



TARIFA

2023



LA EMPRESA

ATUSA, situada en el Norte de España, enclave de gran influencia siderometalúrgica, ha conseguido un desarrollo que le sitúa al frente de los fabricantes de Accesorios de Hierro Maleable.

Nuestra larga tradición, que se remonta en alguna de nuestras plantas de fabricación a casi un siglo de existencia, ha servido para sentar las bases de una empresa moderna, ágil, actual y con futuro.

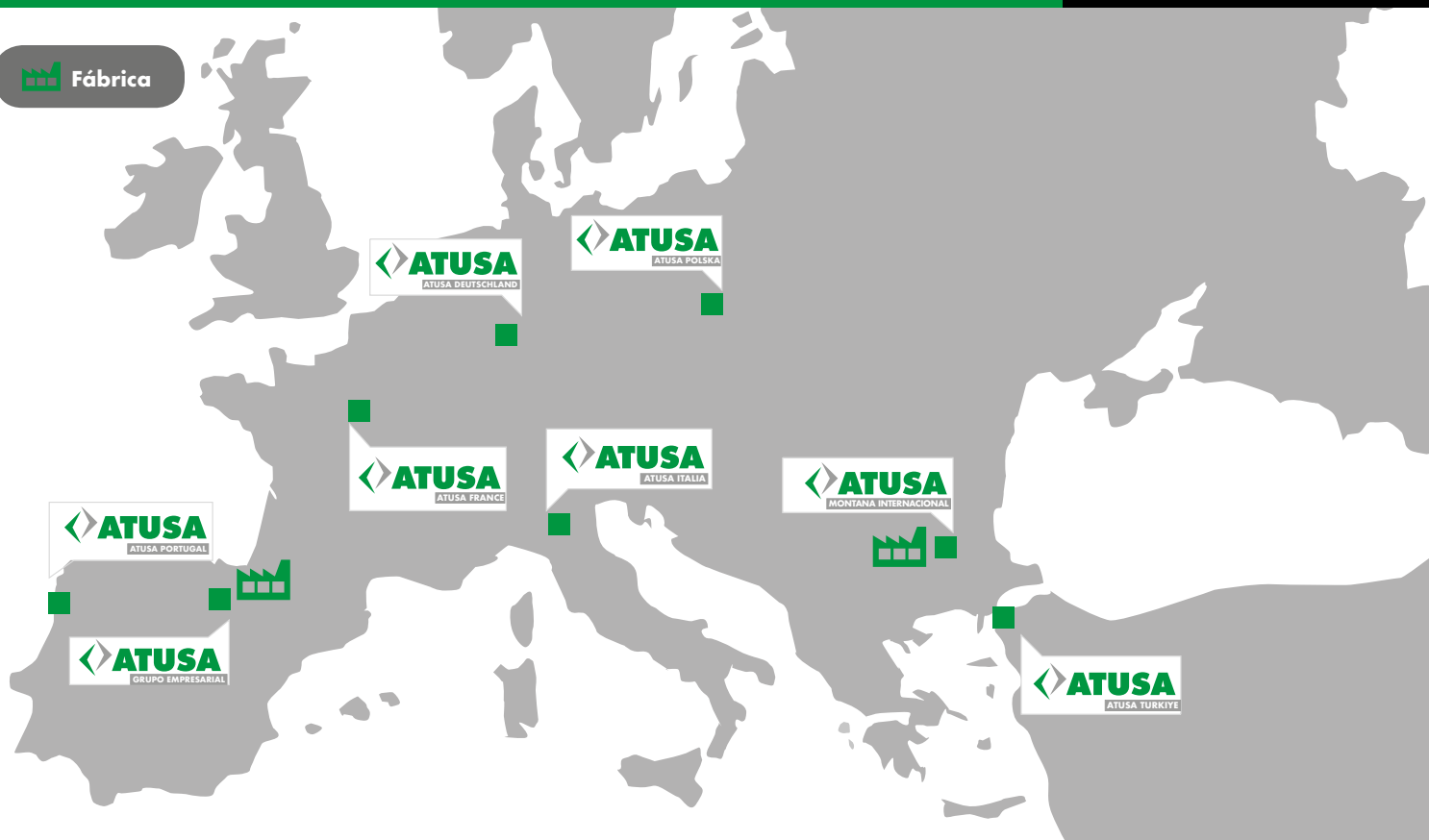
En su afán por satisfacer las exigencias de los diferentes mercados, ATUSA mantiene un constante crecimiento incorporando nuevos productos destinados a diferentes sectores, tales como el sanitario, calefacción, conducción de fluidos, construcción y eléctrico.

Esta combinación del proceso productivo y de la comercialización de productos hace de ATUSA un referente en los mercados internacionales.

La sede central de ATUSA se ubica en Salvatierra, provincia de Álava, donde se encuentra también una de las tres plantas productivas, situándose otra en Mondragón (Guipúzcoa), ambas en España y una tercera en la ciudad de Montana en Bulgaria.



Fábrica



ATUSA dispone en la actualidad de cinco almacenes logísticos propios, uno en la misma sede central, otro en la planta productiva de Bulgaria y otros cuatro en sus filiales de:

Ratingen (Alemania) ATUSA DEUTSCHLAND
Milán (Italia) ATUSA ITALIA
Maia (Portugal) ATUSA PORTUGAL

Asimismo, cuenta con Oficinas Comerciales en:

Radom (Polonia) ATUSA POLSKA
París (Francia) ATUSA FRANCE
Estambul (Turquía) ATUSA TÜRKIYE

Esta completa red de distribución permite llegar a los clientes en un plazo de entrega inmediato con un nivel de servicio óptimo.



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ACCESORIOS DE HIERRO MALEABLE

ATUSA fabrica accesorios de hierro maleable de corazón blanco, marca EO. Un cuidado proceso productivo permite obtener los mejores productos en fundición maleable para los mercados más exigentes.

Su gran número de referencias conlleva un proceso de fabricación riguroso cuyo resultado es un producto de gran calidad. A pesar de la presencia en el mercado de materiales alternativos, el accesorio de hierro maleable continúa siendo una referencia incuestionable cuando se trata de buscar un producto duradero y de categoría contrastada.

Los campos de aplicación son diversos, destacando: Industria, sistemas contraincendios, canalización y toda aquella conducción general de fluidos con una presión de trabajo estándar de 25 bar y temperaturas entre -20° C y 300° C.





ACCESORIOS
DE
HIERRO
MALEABLE

INDICACIONES GENERALES

1. NORMATIVA E IDENTIFICACIÓN

- Norma de fabricación y de uso EN 10242: 1994.
- Identificación: De acuerdo con el material escogido para la fabricación y el tipo de rosca, los accesorios EO son identificados como de clase "A", es decir:
 - Son fabricados generalmente en fundición maleable de corazón blanco de alta calidad EN-GJMW 400 - 5.
 - Son roscados según ISO 7/1 con roscas internas cilíndricas (Rp) y roscas externas cónicas (R).

2. ASEGURAMIENTO DE LA CALIDAD

Esta norma EN 10242: 1994 exige que el fabricante establezca y mantenga un Sistema de Calidad documentado y conforme a la norma ISO 9001, certificado por un tercer Organismo de Certificación que actúe de acuerdo a los criterios rigurosos de la EN ISO/IEC 17021, como medio para asegurar que los accesorios son conformes a los requisitos especificados en la norma de producto EN 10242:1994.

Cumpliendo con estas exigencias ATUSA tiene establecido un Sistema de Aseguramiento de la Calidad conforme a ISO 9001 según certificado de Registro de Empresa AENOR/ER 076/2/95 y Atestación de la prestigiosa **IQNet** (Red Internacional para la Evaluación y Certificación de los Sistemas de Calidad) que opera de acuerdo a los criterios de la EN ISO/IEC.

3. GALVANIZADO

Los accesorios EO, de acuerdo con las especificaciones del pedido, se suministran en acabado negro y galvanizado en caliente.

Tal como prescribe la norma EN 10242:1994, la masa del recubrimiento del zinc es superior a 500 gr/m², lo que supone un espesor medio mínimo de 70 µm.

Ambos acabados son protegidos por un barniz antioxidante.

Las superficies de los accesorios EO están exentas de hidrocarburos aromáticos policíclicos.

4. ENSAYO DE LA ESTANQUEIDAD

En aplicación de la norma EN 10242:1994, se comprueba unitariamente la estanquidad de todos los accesorios EO mediante presión hidrostática no inferior a 20 bar, equivalente a una presión neumática no inferior a 5 bar.

5. CONDICIONES DE SUMINISTRO

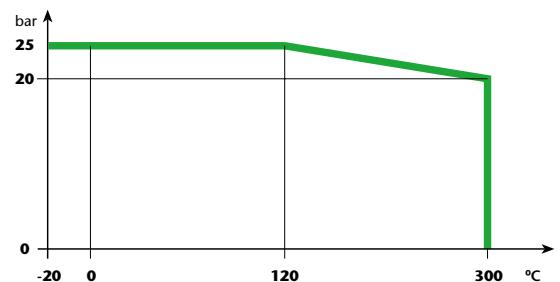
Los aspectos técnicos, de diseño y otras características de los accesorios pueden ser modificadas por mejoras técnicas o cambios en la normalización.

DIÁMETRO NOMINAL Y MEDIDA DE CONEXIONES

| | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|----|-------|-------|----|-------|----|-----|-----|-----|
| DN | 6 | 8 | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| " | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 |

RELACIÓN PRESIÓN / TEMPERATURA

| Temperatura de servicio (°C) | Presión Trabajo máxima (*) (bar) |
|------------------------------|----------------------------------|
| -20 a 120 | 25 |
| entre 120 y 300 | valores interpolados |
| 300 | 20 |



(*) Para usos superiores se ruega consultar.

| | | | | | | |
|---|---|---|---|--|---|---|
|  1 |  1A |  2 |  2A |  3 |  40 |  41 |
|  60 |  85 |  90 |  90R |  92 |  92R |  94 |
|  95 |  96 |  97 |  98 |  120 |  121 |  130 |
|  130R |  131 |  132 |  133 |  134 |  135 |  165 |
|  180 |  220 |  221 |  223 |  240 |  241 |  245 |
|  246 |  270 |  271 |  280 |  281 |  290 |  291 |
|  294 |  300 |  310 |  312 |  320 |  321 |  330 |
|  331 |  334 |  340 |  341 |  344 |  370 |  371 |
|  372 |  374 |  471 |  526 |  529 |  531 |  596 |



1 CURVA 90° M/H

ISO/EN **G4**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/8" | 200 10 | 01001000 | 5,29 | 01005000 | 6,61 |
| 1/4" | 250 10 | 01001001 | 2,89 | 01005001 | 3,51 |
| 3/8" | 170 10 | 01001002 | 3,23 | 01005002 | 3,90 |
| 1/2" | 110 10 | 01001003 | 3,17 | 01005003 | 3,83 |
| 3/4" | 60 10 | 01001004 | 5,45 | 01005004 | 6,54 |
| 1" | 35 1 | 01001005 | 7,26 | 01005005 | 8,86 |
| 1 1/4" | 17 1 | 01001006 | 12,96 | 01005006 | 15,67 |
| 1 1/2" | 12 1 | 01001007 | 16,99 | 01005007 | 20,49 |
| 2" | 6 1 | 01001008 | 27,75 | 01005008 | 35,09 |
| 2 1/2" | 3 1 | 01001009 | 58,93 | 01005009 | 71,55 |
| 3" | 4 1 | 0100100A | 76,34 | 0100500A | 97,03 |
| 4" | 2 1 | 0100100C | 138,26 | 0100500C | 168,21 |



1A CURVA CORTA 90° M/H

ISO/EN **D4**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 250 10 | 01A01001 | 3,69 | 01A05001 | 4,55 |
| 3/8" | 130 10 | 01A01002 | 3,76 | 01A05002 | 4,80 |
| 1/2" | 100 10 | 01A01003 | 2,86 | 01A05003 | 3,52 |
| 3/4" | 60 10 | 01A01004 | 4,03 | 01A05004 | 5,29 |
| 1" | 40 1 | 01A01005 | 5,89 | 01A05005 | 7,39 |
| 1 1/4" | 20 1 | 01A01006 | 8,94 | 01A05006 | 11,14 |
| 1 1/2" | 15 1 | 01A01007 | 12,44 | 01A05007 | 15,49 |
| 2" | 8 1 | 01A01008 | 19,95 | 01A05008 | 27,42 |
| 2 1/2" | 3 1 | 01A01009 | 49,82 | 01A05009 | 62,87 |
| 3" | 4 1 | 01A0100A | 75,73 | 01A0500A | 95,61 |
| 4" | 2 1 | 01A0100C | 176,31 | 01A0500C | 225,57 |



2 CURVA 90° H/H

ISO/EN **G1**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 200 10 | 02001001 | 2,98 | 02005001 | 3,58 |
| 3/8" | 140 10 | 02001002 | 3,44 | 02005002 | 4,15 |
| 1/2" | 90 10 | 02001003 | 3,44 | 02005003 | 4,15 |
| 3/4" | 50 10 | 02001004 | 5,45 | 02005004 | 6,54 |
| 1" | 28 1 | 02001005 | 7,45 | 02005005 | 8,94 |
| 1 1/4" | 14 1 | 02001006 | 13,09 | 02005006 | 15,80 |
| 1 1/2" | 10 1 | 02001007 | 16,01 | 02005007 | 19,37 |
| 2" | 5 1 | 02001008 | 24,82 | 02005008 | 30,13 |
| 2 1/2" | 2 1 | 02001009 | 59,89 | 02005009 | 75,98 |
| 3" | 4 1 | 0200100A | 75,13 | 0200500A | 95,61 |
| 4" | 2 1 | 0200100C | 142,62 | 0200500C | 172,67 |



2A CURVA CORTA 90° H/H

ISO/EN **D1**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 3/8" | 50 10 | 02A01002 | 3,71 | 02A05002 | 4,51 |
| 1/2" | 90 10 | 02A01003 | 2,74 | 02A05003 | 3,37 |
| 3/4" | 50 10 | 02A01004 | 4,03 | 02A05004 | 4,89 |
| 1" | 35 1 | 02A01005 | 5,89 | 02A05005 | 7,33 |
| 1 1/4" | 20 1 | 02A01006 | 8,99 | 02A05006 | 11,14 |
| 1 1/2" | 14 1 | 02A01007 | 12,20 | 02A05007 | 14,90 |
| 2" | 8 1 | 02A01008 | 18,02 | 02A05008 | 23,90 |
| 2 1/2" | 4 1 | 02A01009 | 43,34 | 02A05009 | 54,43 |
| 3" | 4 1 | 02A0100A | 75,14 | 02A0500A | 79,94 |
| 4" | 2 1 | 02A0100C | 158,64 | 02A0500C | 168,80 |



3 CURVA 90° M/M

ISO/EN **G8**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 300 10 | 03001001 | 7,90 | 03005001 | 9,73 |
| 3/8" | 200 10 | 03001002 | 4,47 | 03005002 | 5,57 |
| 1/2" | 120 10 | 03001003 | 4,96 | 03005003 | 6,16 |
| 3/4" | 70 10 | 03001004 | 6,03 | 03005004 | 7,45 |
| 1" | 40 1 | 03001005 | 8,94 | 03005005 | 11,25 |
| 1 1/4" | 20 1 | 03001006 | 18,60 | 03005006 | 22,29 |
| 1 1/2" | 14 1 | 03001007 | 23,84 | 03005007 | 29,31 |
| 2" | 7 1 | 03001008 | 31,90 | 03005008 | 39,30 |
| 2 1/2" | 3 1 | 03001009 | 80,37 | 03005009 | 98,91 |
| 3" | 5 1 | 0300100A | 94,25 | 0300500A | 112,91 |



40 CURVA 45° M/H

ISO/EN **G4/45°**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 300 10 | 04001001 | 4,21 | 04005001 | 5,22 |
| 3/8" | 200 10 | 04001002 | 3,83 | 04005002 | 4,63 |
| 1/2" | 120 10 | 04001003 | 3,34 | 04005003 | 4,17 |
| 3/4" | 80 10 | 04001004 | 4,59 | 04005004 | 5,62 |
| 1" | 50 1 | 04001005 | 6,80 | 04005005 | 8,11 |
| 1 1/4" | 25 1 | 04001006 | 11,14 | 04005006 | 13,09 |
| 1 1/2" | 18 1 | 04001007 | 14,10 | 04005007 | 16,99 |
| 2" | 10 1 | 04001008 | 22,23 | 04005008 | 28,12 |
| 2 1/2" | 6 1 | 04001009 | 47,12 | 04005009 | 57,03 |
| 3" | 3 1 | 0400100A | 53,14 | 0400500A | 70,79 |
| 4" | 4 1 | 0400100C | 116,01 | 0400500C | 140,71 |



41 CURVA 45° H/H

ISO/EN G1/45°

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 220 10 | 04101001 | 4,80 | 04105001 | 6,03 |
| 3/8" | 150 10 | 04101002 | 4,40 | 04105002 | 5,29 |
| 1/2" | 100 10 | 04101003 | 4,24 | 04105003 | 4,97 |
| 3/4" | 60 10 | 04101004 | 5,18 | 04105004 | 6,27 |
| 1" | 40 1 | 04101005 | 6,80 | 04105005 | 8,19 |
| 1 1/4" | 22 1 | 04101006 | 11,66 | 04105006 | 13,93 |
| 1 1/2" | 15 1 | 04101007 | 15,88 | 04105007 | 20,29 |
| 2" | 9 1 | 04101008 | 22,48 | 04105008 | 28,58 |
| 2 1/2" | 4 1 | 04101009 | 43,08 | 04105009 | 57,37 |
| 3" | 2 1 | 0410100A | 55,03 | 0410500A | 73,04 |
| 4" | 2 1 | 0410100C | 123,41 | 0410500C | 148,45 |



90 CODO 90° H/H

ISO/EN A1

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/8" | 400 10 | 09001000 | 3,58 | 09005000 | 4,36 |
| 1/4" | 350 10 | 09001001 | 1,87 | 09005001 | 2,25 |
| 3/8" | 250 10 | 09001002 | 1,59 | 09005002 | 1,92 |
| 1/2" | 120 10 | 09001003 | 1,25 | 09005003 | 1,25 |
| 3/4" | 90 10 | 09001004 | 1,73 | 09005004 | 1,73 |
| 1" | 50 10 | 09001005 | 2,65 | 09005005 | 2,65 |
| 1 1/4" | 30 1 | 09001006 | 4,54 | 09005006 | 4,54 |
| 1 1/2" | 22 1 | 09001007 | 5,90 | 09005007 | 5,90 |
| 2" | 12 1 | 09001008 | 8,87 | 09005008 | 9,28 |
| 2 1/2" | 7 1 | 09001009 | 26,63 | 09005009 | 32,20 |
| 3" | 4 1 | 0900100A | 36,95 | 0900500A | 46,91 |
| 4" | 2 1 | 0900100C | 64,10 | 0900500C | 77,77 |
| 5" | 2 1 | | | 0900500D | 297,76 |
| 6" | 1 | | | 0900500E | 443,52 |



92 CODO 90° M/H

ISO/EN A4

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/8" | 500 10 | 09201000 | 4,28 | 09205000 | 5,22 |
| 1/4" | 350 10 | 09201001 | 2,07 | 09205001 | 2,51 |
| 3/8" | 250 10 | 09201002 | 1,87 | 09205002 | 2,19 |
| 1/2" | 150 10 | 09201003 | 1,45 | 09205003 | 1,45 |
| 3/4" | 90 10 | 09201004 | 1,86 | 09205004 | 1,86 |
| 1" | 50 10 | 09201005 | 3,12 | 09205005 | 3,12 |
| 1 1/4" | 30 1 | 09201006 | 5,64 | 09205006 | 5,64 |
| 1 1/2" | 22 1 | 09201007 | 7,51 | 09205007 | 7,87 |
| 2" | 12 1 | 09201008 | 11,02 | 09205008 | 11,02 |
| 2 1/2" | 7 1 | 09201009 | 28,39 | 09205009 | 36,00 |
| 3" | 4 1 | 0920100A | 42,41 | 0920500A | 53,79 |
| 4" | 2 1 | 0920100C | 60,65 | 0920500C | 73,51 |



60 CURVA DOBLE

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/2" | 90 1 | 06001003 | 18,85 | 06005003 | 22,94 |
| 3/4" | 90 1 | 06001004 | 28,64 | 06005004 | 35,14 |
| 1" | 20 1 | 06001005 | 36,27 | 06005005 | 44,59 |
| 1 1/4" | 15 1 | 06001006 | 50,12 | 06005006 | 61,58 |
| 1 1/2" | 10 1 | 06001007 | 59,00 | 06005007 | 72,78 |
| 2" | 6 1 | | | 06005008 | 111,09 |



85 CURVA PUENTE

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 100 10 | 08501002 | 4,47 | 08505002 | 5,82 |
| 1/2" | 60 10 | 08501003 | 4,67 | 08505003 | 5,62 |
| 3/4" | 30 10 | 08501004 | 6,96 | 08505004 | 8,34 |
| 1" | 20 1 | 08501005 | 13,49 | 08505005 | 16,65 |
| 1 1/4" | 10 1 | 08501006 | 41,24 | 08505006 | 51,34 |



90R CODO REDUCIDO 90° H/H

ISO/EN A1

| Ø | Caja | NEGRO | | GALVANIZADO | |
|---------------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8"-1/4" | 120 10 | 09001021 | 3,23 | 09005021 | 3,94 |
| 1/2"-1/4" | 120 10 | 09001031 | 4,62 | 09005031 | 5,65 |
| 1/2"-3/8" | 120 10 | 09001032 | 1,94 | 09005032 | 2,39 |
| 3/4"-3/8" | 90 10 | 09001042 | 2,81 | 09005042 | 3,44 |
| 3/4"-1/2" | 90 10 | 09001043 | 2,32 | 09005043 | 2,32 |
| 1"-1/2" | 50 10 | 09001053 | 3,30 | 09005053 | 4,05 |
| 1"-3/4" | 50 10 | 09001054 | 3,65 | 09005054 | 4,43 |
| 1 1/4"-1/2" | 50 10 | 09001063 | 7,22 | 09005063 | 8,68 |
| 1 1/4"-3/4" | 50 10 | 09001064 | 7,28 | 09005064 | 8,80 |
| 1 1/4"-1" | 40 1 | 09001065 | 5,82 | 09005065 | 7,00 |
| 1 1/2"-3/4" | 30 1 | 09001074 | 7,72 | 09005074 | 9,27 |
| 1 1/2"-1" | 35 1 | 09001075 | 8,56 | 09005075 | 10,30 |
| 1 1/2"-1 1/4" | 25 1 | 09001076 | 9,34 | 09005076 | 11,33 |
| 2"-1" | 15 1 | 09001085 | 23,28 | 09005085 | 28,57 |
| 2"-1 1/4" | 15 1 | 09001086 | 15,76 | 09005086 | 19,12 |
| 2"-1 1/2" | 15 1 | 09001087 | 15,16 | 09005087 | 18,29 |
| 2 1/2"-2" | 8 1 | | | 09005098 | 68,39 |



92R CODO REDUCIDO 90°

ISO/EN A4

| Ø | Caja | NEGRO | | GALVANIZADO | |
|-----------------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" x 3/8" | 150 10 | 09201032 | 7,16 | 09205032 | 8,74 |
| 3/4" x 1/2" | 90 10 | 09201043 | 7,96 | 09205043 | 9,86 |
| 1" x 3/4" | 60 10 | 09201054 | 5,98 | 09205054 | 7,33 |
| 1 1/4" x 1" | 30 1 | 09201065 | 15,31 | 09205065 | 18,85 |
| 1 1/2" x 1" | 20 1 | 09201075 | 31,69 | 09205075 | 39,30 |
| 1 1/2" x 1 1/4" | 20 1 | 09201076 | 23,35 | 09205076 | 28,87 |
| 3/8" x 1/2" | 150 10 | 09201023 | 5,26 | 09205023 | 6,34 |
| 1/2" x 3/4" | 90 10 | 09201034 | 10,10 | 09205034 | 12,82 |
| 3/4" x 1" | 60 10 | 09201045 | 14,46 | 09205045 | 17,92 |
| 1" x 1 1/4" | 30 1 | 09201056 | 22,61 | 09205056 | 27,88 |



94 CODO M/M 90°

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 200 10 | 09401002 | 7,65 | 09405002 | 9,27 |
| 1/2" | 150 10 | 09401003 | 7,90 | 09405003 | 9,86 |
| 3/4" | 90 10 | 09401004 | 8,80 | 09405004 | 10,95 |
| 1" | 60 10 | 09401005 | 13,73 | 09405005 | 16,72 |
| 1 1/4" | 20 1 | 09401006 | 19,47 | 09405006 | 24,01 |
| 1 1/2" | 25 1 | 09401007 | 35,66 | 09405007 | 44,09 |
| 2" | 10 1 | 09401008 | 36,70 | 09405008 | 45,45 |



95 CODO UNIÓN, ASIENTO PLANO H/H

ISO/EN UA1

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 70 10 | 09501002 | 15,10 | 09505002 | 18,58 |
| 1/2" | 50 10 | 09501003 | 7,27 | 09505003 | 8,45 |
| 3/4" | 40 10 | 09501004 | 8,29 | 09505004 | 10,33 |
| 1" | 28 1 | 09501005 | 10,70 | 09505005 | 13,67 |
| 1 1/4" | 14 1 | 09501006 | 19,47 | 09505006 | 25,01 |
| 1 1/2" | 10 1 | 09501007 | 26,98 | 09505007 | 34,60 |
| 2" | 6 1 | 09501008 | 40,07 | 09505008 | 51,53 |



96 CODO UNIÓN, ASIENTO CÓNICO H/H

ISO/EN UA11

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 120 10 | 09601001 | 16,86 | 09605001 | 20,82 |
| 3/8" | 80 10 | 09601002 | 9,15 | 09605002 | 11,37 |
| 1/2" | 50 10 | 09601003 | 7,39 | 09605003 | 8,94 |
| 3/4" | 40 10 | 09601004 | 8,51 | 09605004 | 10,33 |
| 1" | 28 1 | 09601005 | 12,36 | 09605005 | 14,95 |
| 1 1/4" | 14 1 | 09601006 | 20,69 | 09605006 | 24,87 |
| 1 1/2" | 10 1 | 09601007 | 28,64 | 09605007 | 33,01 |
| 2" | 6 1 | 09601008 | 42,65 | 09605008 | 49,39 |
| 2 1/2" | 4 1 | 09601009 | 92,20 | 09605009 | 110,65 |
| 3" | 2 1 | 0960100A | 117,19 | 0960500A | 138,85 |



97 CODO UNIÓN, ASIENTO PLANO M/H

ISO/EN UA2

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 70 10 | 09701002 | 15,10 | 09705002 | 18,60 |
| 1/2" | 50 10 | 09701003 | 7,83 | 09705003 | 9,60 |
| 3/4" | 30 10 | 09701004 | 10,24 | 09705004 | 12,63 |
| 1" | 23 1 | 09701005 | 13,03 | 09705005 | 16,00 |
| 1 1/4" | 12 1 | 09701006 | 21,24 | 09705006 | 26,11 |
| 1 1/2" | 10 1 | 09701007 | 29,22 | 09705007 | 34,80 |
| 2" | 6 1 | 09701008 | 44,21 | 09705008 | 54,26 |



98 CODO UNIÓN, ASIENTO CÓNICO M/H

ISO/EN UA12

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 120 10 | 09801001 | 15,67 | 09805001 | 19,25 |
| 3/8" | 80 10 | 09801002 | 8,34 | 09805002 | 9,91 |
| 1/2" | 50 10 | 09801003 | 7,61 | 09805003 | 9,06 |
| 3/4" | 30 10 | 09801004 | 9,97 | 09805004 | 11,58 |
| 1" | 23 1 | 09801005 | 13,03 | 09805005 | 15,74 |
| 1 1/4" | 12 1 | 09801006 | 21,71 | 09805006 | 26,30 |
| 1 1/2" | 10 1 | 09801007 | 28,76 | 09805007 | 33,26 |
| 2" | 6 1 | 09801008 | 43,36 | 09805008 | 52,57 |
| 2 1/2" | 3 1 | 09801009 | 96,80 | 09805009 | 116,82 |
| 3" | 2 1 | 0980100A | 127,04 | 0980500A | 156,60 |



120 CODO 45° H/H

ISO/EN A1/45°

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 150 10 | 12001002 | 3,89 | 12005002 | 4,67 |
| 1/2" | 150 10 | 12001003 | 3,96 | 12005003 | 4,69 |
| 3/4" | 90 10 | 12001004 | 4,97 | 12005004 | 6,08 |
| 1" | 60 10 | 12001005 | 7,21 | 12005005 | 8,51 |
| 1 1/4" | 30 1 | 12001006 | 18,48 | 12005006 | 23,35 |
| 1 1/2" | 25 1 | 12001007 | 22,89 | 12005007 | 28,51 |
| 2" | 10 1 | 12001008 | 29,80 | 12005008 | 37,19 |
| 2 1/2" | 8 1 | 12001009 | 41,49 | 12005009 | 51,09 |
| 3" | 5 1 | 1200100A | 54,97 | 1200500A | 70,32 |



121 CODO 45° M/H

ISO/EN A4/45°

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 200 10 | 12101002 | 5,31 | 12105002 | 6,68 |
| 1/2" | 150 10 | 12101003 | 4,03 | 12105003 | 4,98 |
| 3/4" | 100 10 | 12101004 | 4,74 | 12105004 | 6,03 |
| 1" | 50 10 | 12101005 | 7,45 | 12105005 | 8,99 |
| 1 1/4" | 30 1 | 12101006 | 19,18 | 12105006 | 23,90 |
| 1 1/2" | 25 1 | 12101007 | 20,75 | 12105007 | 25,92 |
| 2" | 12 1 | 12101008 | 26,42 | 12105008 | 32,80 |
| 2 1/2" | 8 1 | 12101009 | 50,81 | 12105009 | 62,30 |
| 3" | 5 1 | 1210100A | 62,24 | 1210500A | 79,06 |



130 TE 90°

ISO/EN B1

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/8" | 200 10 | 13001000 | 4,60 | 13005000 | 5,62 |
| 1/4" | 220 10 | 13001001 | 2,71 | 13005001 | 3,65 |
| 3/8" | 120 10 | 13001002 | 2,32 | 13005002 | 2,76 |
| 1/2" | 70 10 | 13001003 | 1,73 | 13005003 | 1,73 |
| 3/4" | 60 10 | 13001004 | 2,51 | 13005004 | 2,51 |
| 1" | 30 10 | 13001005 | 3,77 | 13005005 | 3,77 |
| 1 1/4" | 20 1 | 13001006 | 6,61 | 13005006 | 6,93 |
| 1 1/2" | 14 1 | 13001007 | 8,63 | 13005007 | 8,63 |
| 2" | 10 1 | 13001008 | 13,03 | 13005008 | 13,03 |
| 2 1/2" | 5 1 | 13001009 | 36,09 | 13005009 | 45,75 |
| 3" | 4 1 | 1300100A | 43,29 | 1300500A | 55,06 |
| 4" | 2 1 | 1300100C | 83,50 | 1300500C | 101,29 |
| 5" | 2 1 | | | 1300500D | 371,45 |
| 6" | 1 | | | 1300500E | 501,46 |

3



130R TE 90° REDUCIDA

ISO/EN B1

| Ø | 150 10 | NEGRO | | GALVANIZADO | |
|----------------------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8"-1/4"-3/8" | 150 10 | 13001212 | 7,39 | 13005212 | 9,13 |
| 3/8"-1/2"-3/8" | 120 10 | 13001232 | 3,47 | 13005232 | 4,36 |
| 3/8"-3/4"-3/8" | 90 10 | 13001242 | 4,67 | 13005242 | 5,89 |
| 1/2"-1/4"-1/2" | 110 10 | 13001313 | 5,76 | 13005313 | 7,27 |
| 1/2"-3/8"-3/8" | 110 10 | 13001322 | 3,34 | 13005322 | 4,24 |
| 1/2"-3/8"-1/2" | 110 10 | 13001323 | 2,98 | 13005323 | 3,65 |
| 1/2"-1/2"-3/8" | 110 10 | 13001332 | 3,34 | 13005332 | 4,24 |
| 1/2"-3/4"-3/8" | 70 10 | 13001342 | 5,96 | 13005342 | 6,89 |
| 1/2"-3/4"-1/2" | 70 10 | 13001343 | 3,29 | 13005343 | 4,11 |
| 1/2"-1"-1/2" | 60 10 | 13001353 | 7,33 | 13005353 | 9,19 |
| 3/4"-1/4"-3/4" | 70 10 | 13001414 | 7,83 | 13005414 | 9,73 |
| 3/4"-3/8"-1/2" | 70 10 | 13001423 | 4,49 | 13005423 | 5,62 |
| 3/4"-3/8"-3/4" | 70 10 | 13001424 | 3,68 | 13005424 | 4,57 |
| 3/4"-1/2"-3/8" | 70 10 | 13001432 | 8,05 | 13005432 | 9,86 |
| 3/4"-1/2"-1/2" | 70 10 | 13001433 | 2,86 | 13005433 | 2,92 |
| 3/4"-1/2"-3/4" | 60 10 | 13001434 | 2,86 | 13005434 | 2,92 |
| 3/4"-3/4"-3/8" | 60 10 | 13001442 | 4,97 | 13005442 | 6,14 |
| 3/4"-3/4"-1/2" | 60 10 | 13001443 | 3,42 | 13005443 | 4,30 |
| 3/4"-1"-1/2" | 50 10 | 13001453 | 6,61 | 13005453 | 8,13 |
| 3/4"-1"-3/4" | 40 10 | 13001454 | 5,31 | 13005454 | 6,68 |
| 3/4"-1 1/4"-3/4" | 35 1 | 13001464 | 11,20 | 13005464 | 13,97 |
| 1"-1/4"-1" | 40 10 | 13001515 | 14,71 | 13005515 | 18,35 |
| 1"-3/8"-3/4" | 50 10 | 13001524 | 6,22 | 13005524 | 7,80 |
| 1"-3/8"-1" | 50 10 | 13001525 | 5,82 | 13005525 | 7,21 |
| 1"-1/2"-1/2" | 50 10 | 13001533 | 6,22 | 13005533 | 7,74 |
| 1"-1/2"-3/4" | 50 10 | 13001534 | 4,40 | 13005534 | 5,41 |
| 1"-1/2"-1" | 40 10 | 13001535 | 3,82 | 13005535 | 4,24 |
| 1"-3/4"-1/2" | 40 10 | 13001543 | 5,52 | 13005543 | 6,87 |
| 1"-3/4"-3/4" | 40 10 | 13001544 | 4,49 | 13005544 | 5,54 |
| 1"-3/4"-1" | 40 10 | 13001545 | 4,17 | 13005545 | 4,55 |
| 1"-1"-3/8" | 40 10 | 13001552 | 7,39 | 13005552 | 9,25 |
| 1"-1"-1/2" | 40 10 | 13001553 | 4,85 | 13005553 | 5,95 |
| 1"-1"-3/4" | 30 10 | 13001554 | 5,18 | 13005554 | 6,95 |
| 1"-1 1/4"-3/4" | 30 1 | 13001564 | 16,39 | 13005564 | 20,26 |
| 1"-1 1/4"-1" | 30 1 | 13001565 | 8,94 | 13005565 | 11,14 |
| 1"-1 1/2"-1" | 22 1 | 13001575 | 11,52 | 13005575 | 14,52 |
| 1 1/4"-3/8"-1 1/4" | 30 1 | 13001626 | 9,21 | 13005626 | 11,14 |
| 1 1/4"-1/2"-1" | 35 1 | 13001635 | 7,06 | 13005635 | 8,63 |
| 1 1/4"-1/2"-1 1/4" | 30 1 | 13001636 | 6,16 | 13005636 | 7,31 |
| 1 1/4"-3/4"-3/4" | 35 1 | 13001644 | 8,94 | 13005644 | 11,02 |
| 1 1/4"-3/4"-1" | 32 1 | 13001645 | 8,22 | 13005645 | 10,04 |
| 1 1/4"-3/4"-1 1/4" | 30 1 | 13001646 | 6,61 | 13005646 | 7,90 |
| 1 1/4"-1"-3/8" | 30 1 | 13001652 | 11,58 | 13005652 | 14,26 |
| 1 1/4"-1"-1/2" | 32 1 | 13001653 | 9,86 | 13005653 | 12,44 |
| 1 1/4"-1"-3/4" | 30 1 | 13001654 | 9,60 | 13005654 | 11,33 |
| 1 1/4"-1"-1" | 28 1 | 13001655 | 8,02 | 13005655 | 9,73 |
| 1 1/4"-1"-1 1/4" | 25 1 | 13001656 | 7,26 | 13005656 | 8,74 |
| 1 1/4"-1 1/4"-1/2" | 30 1 | 13001663 | 8,94 | 13005663 | 11,14 |
| 1 1/4"-1 1/4"-3/4" | 25 1 | 13001664 | 11,02 | 13005664 | 13,14 |
| 1 1/4"-1 1/4"-1" | 25 1 | 13001665 | 8,94 | 13005665 | 11,14 |
| 1 1/4"-1 1/2"-1" | 20 1 | 13001675 | 13,49 | 13005675 | 16,72 |
| 1 1/4"-1 1/2"-1 1/4" | 18 1 | 13001676 | 13,49 | 13005676 | 16,72 |
| 1 1/4"-2"-1 1/4" | 10 1 | 13001686 | 26,05 | 13005686 | 32,45 |
| 1 1/2"-3/8"-1 1/2" | 28 1 | 13001727 | 11,52 | 13005727 | 14,40 |
| 1 1/2"-1/2"-1 1/4" | 28 1 | 13001736 | 8,94 | 13005736 | 11,14 |
| 1 1/2"-1/2"-1 1/2" | 25 1 | 13001737 | 8,29 | 13005737 | 10,18 |
| 1 1/2"-3/4"-1 1/4" | 25 1 | 13001746 | 11,74 | 13005746 | 14,52 |
| 1 1/2"-3/4"-1 1/2" | 22 1 | 13001747 | 8,63 | 13005747 | 10,42 |

| Ø | 25 1 | NEGRO | | GALVANIZADO | |
|----------------------|------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1 1/2"-1"-1" | 25 1 | 13001755 | 10,76 | 13005755 | 13,21 |
| 1 1/2"-1"-1 1/4" | 22 1 | 13001756 | 10,76 | 13005756 | 13,21 |
| 1 1/2"-1"-1 1/2" | 20 1 | 13001757 | 9,67 | 13005757 | 11,20 |
| 1 1/2"-1 1/4"-1" | 15 1 | 13001765 | 22,83 | 13005765 | 28,57 |
| 1 1/2"-1 1/4"-1 1/4" | 18 1 | 13001766 | 12,56 | 13005766 | 16,13 |
| 1 1/2"-1 1/4"-1 1/2" | 17 1 | 13001767 | 12,82 | 13005767 | 15,49 |
| 1 1/2"-1 1/2"-1/2" | 17 1 | 13001773 | 14,96 | 13005773 | 18,40 |
| 1 1/2"-1 1/2"-3/4" | 17 1 | 13001774 | 14,65 | 13005774 | 18,20 |
| 1 1/2"-1 1/2"-1" | 17 1 | 13001775 | 14,52 | 13005775 | 17,80 |
| 1 1/2"-1 1/2"-1 1/4" | 15 1 | 13001776 | 15,43 | 13005776 | 19,06 |
| 1 1/2"-2"-1 1/4" | 10 1 | 13001786 | 24,00 | 13005786 | 21,99 |
| 1 1/2"-2"-1 1/2" | 10 1 | 13001787 | 17,48 | 13005787 | 21,57 |
| 2"-1/2"-1 1/2" | 18 1 | 13001837 | 17,12 | 13005837 | 18,46 |
| 2"-1/2"-2" | 15 1 | 13001838 | 11,80 | 13005838 | 14,26 |
| 2"-3/4"-1 1/2" | 16 1 | 13001847 | 15,62 | 13005847 | 19,35 |
| 2"-3/4"-2" | 15 1 | 13001848 | 15,49 | 13005848 | 18,72 |
| 2"-1"-1 1/2" | 15 1 | 13001857 | 16,33 | 13005857 | 20,21 |
| 2"-1"-2" | 12 1 | 13001858 | 12,06 | 13005858 | 14,51 |
| 2"-1 1/4"-1" | 12 1 | 13001865 | 22,89 | 13005865 | 30,22 |
| 2"-1 1/4"-1 1/4" | 12 1 | 13001866 | 17,18 | 13005866 | 21,24 |
| 2"-1 1/4"-1 1/2" | 12 1 | 13001867 | 16,25 | 13005867 | 20,01 |
| 2"-1 1/4"-2" | 12 1 | 13001868 | 15,62 | 13005868 | 18,72 |
| 2"-1 1/2"-1" | 12 1 | 13001875 | 21,98 | 13005875 | 27,08 |
| 2"-1 1/2"-1 1/2" | 10 1 | 13001877 | 18,60 | 13005877 | 22,86 |
| 2"-1 1/2"-2" | 10 1 | 13001878 | 17,80 | 13005878 | 21,56 |
| 2"-2"-1/2" | 10 1 | 13001883 | 45,75 | 13005883 | 56,88 |
| 2"-2"-3/4" | 10 1 | 13001884 | 29,04 | 13005884 | 36,42 |
| 2"-2"-1" | 10 1 | 13001885 | 18,15 | 13005885 | 22,29 |
| 2"-2"-1 1/4" | 10 1 | 13001886 | 22,17 | 13005886 | 27,42 |
| 2"-2"-1 1/2" | 10 1 | 13001887 | 19,07 | 13005887 | 23,71 |
| 2"-2 1/2"-2" | 6 1 | 13001898 | 44,99 | 13005898 | 57,37 |
| 2 1/2"-1/2"-2 1/2" | 8 1 | 13001939 | 66,13 | 13005939 | 82,96 |
| 2 1/2"-3/4"-2 1/2" | 8 1 | 13001949 | 47,98 | 13005949 | 56,52 |
| 2 1/2"-1"-2 1/2" | 8 1 | 13001959 | 38,49 | 13005959 | 45,86 |
| 2 1/2"-1 1/4"-2 1/2" | 8 1 | 13001969 | 41,66 | 13005969 | 49,39 |
| 2 1/2"-1 1/2"-2 1/2" | 8 1 | 13001979 | 39,19 | 13005979 | 46,78 |
| 2 1/2"-2"-2" | 6 1 | 13001988 | 44,86 | 13005988 | 50,09 |
| 2 1/2"-2"-2 1/2" | 6 1 | 13001989 | 44,86 | 13005989 | 53,45 |
| 2 1/2"-2 1/2"-1 1/2" | 6 1 | | | 13005997 | 116,01 |
| 2 1/2"-2 1/2"-2 | 6 1 | | | 13005998 | 93,98 |
| 3"-1/2"-3" | 5 1 | | | 13005A3A | 73,65 |
| 3"-3/4"-3" | 6 1 | | | 13005A4A | 79,32 |
| 3"-1"-3" | 5 1 | 13001A5A | 49,27 | 13005A5A | 60,42 |
| 3"-1 1/4"-3" | 4 1 | 13001A6A | 54,19 | 13005A6A | 60,59 |
| 3"-1 1/2"-3" | 4 1 | 13001A7A | 54,19 | 13005A7A | 64,55 |
| 3"-2"-2" | 4 1 | | | 13005A88 | 51,47 |
| 3"-2"-3" | 4 1 | 13001A8A | 49,21 | 13005A8A | 66,26 |
| 3"-2 1/2"-3" | 3 1 | 13001A9A | 54,19 | 13005A9A | 64,55 |
| 3"-3"-2" | 2 1 | | | 13005AA8 | 97,24 |
| 4"-1/2"-4" | 2 1 | 13001C3C | 94,96 | | |
| 4"-3/4"-4" | 2 1 | 13001C4C | 94,96 | 13005C4C | 115,66 |
| 4"-1"-4" | 2 1 | 13001C5C | 94,96 | 13005C5C | 115,66 |
| 4"-1 1/2"-4" | 2 1 | 13001C7C | 94,96 | 13005C7C | 115,66 |
| 4"-2"-4" | 2 1 | 13001C8C | 94,96 | 13005C8C | 115,66 |
| 4"-2 1/2"-4" | 2 1 | 13001C9C | 94,96 | 13005C9C | 115,66 |
| 4"-3"-4" | 2 1 | 13001CAC | 94,96 | 13005CAC | 115,66 |
| 5"-4"-5" | 2 1 | | | 13005DCD | 548,50 |


131 TE 90° EMPALME CURVADO

 ISO/EN **E1**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/2" | 50 10 | 13101003 | 8,99 | 13105003 | 11,52 |
| 3/4" | 40 10 | 13101004 | 11,45 | 13105004 | 14,59 |
| 1" | 20 10 | 13101005 | 17,37 | 13105005 | 22,10 |
| 1 1/4" | 14 1 | 13101006 | 23,64 | 13105006 | 29,93 |
| 1 1/2" | 8 1 | 13101007 | 35,14 | 13105007 | 43,84 |
| 2" | 4 1 | 13101008 | 49,65 | 13105008 | 63,19 |
| 2 1/2" | 2 1 | 13101009 | 96,98 | 13105009 | 121,47 |
| 3" | 2 1 | 1310100A | 115,77 | 1310500A | 145,34 |
| 4" | 2 1 | 1310100C | 182,82 | 1310500C | 230,79 |


132 TE DE 2 CURVAS

 ISO/EN **E2**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 40 1 | 13201003 | 13,73 | 13205003 | 16,72 |
| 3/4" | 25 1 | 13201004 | 15,16 | 13205004 | 18,40 |
| 1" | 15 1 | 13201005 | 24,01 | 13205005 | 29,38 |
| 1 1/4" | 10 1 | 13201006 | 41,49 | 13205006 | 50,68 |
| 1 1/2" | 8 1 | 13201007 | 52,50 | 13205007 | 63,99 |
| 2" | 3 1 | 13201008 | 66,88 | 13205008 | 81,82 |


133 TE

| Ø | | NEGRO | | GALVANIZADO | |
|------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 150 10 | 13301002 | 9,45 | 13305002 | 11,52 |
| 1/2" | 80 10 | 13301003 | 7,57 | 13305003 | 9,21 |
| 3/4" | 50 10 | 13301004 | 11,45 | 13305004 | 13,98 |
| 1" | 15 1 | 13301005 | 19,25 | 13305005 | 23,64 |


134 TE

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 80 10 | 13401003 | 8,63 | 13405003 | 10,63 |
| 3/4" | 50 10 | 13401004 | 11,67 | 13405004 | 14,40 |
| 1" | 30 1 | 13401005 | 16,66 | 13405005 | 20,32 |
| 1 1/4" | 20 1 | 13401006 | 26,42 | 13405006 | 32,14 |
| 1 1/2" | 15 1 | 13401007 | 32,03 | 13405007 | 39,30 |
| 2" | 8 1 | 13401008 | 50,44 | 13405008 | 62,02 |


135 TE

| Ø | | NEGRO | | GALVANIZADO | |
|------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 100 10 | 13501003 | 13,49 | 13505003 | 16,50 |
| 3/4" | 60 1 | 13501004 | 16,45 | 13505004 | 20,21 |
| 1" | 40 1 | 13501005 | 21,71 | 13505005 | 26,36 |


165 TE 45°

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 50 10 | 16501003 | 13,98 | 16505003 | 17,46 |
| 3/4" | 30 10 | 16501004 | 16,19 | 16505004 | 20,06 |
| 1" | 20 1 | 16501005 | 24,01 | 16505005 | 29,97 |
| 1 1/4" | 10 1 | 16501006 | 29,68 | 16505006 | 37,13 |
| 1 1/2" | 6 1 | 16501007 | 39,91 | 16505007 | 49,92 |
| 2" | 4 1 | 16501008 | 59,62 | 16505008 | 74,49 |


180 CRUZ

 ISO/EN **C1**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 120 10 | 18001001 | 7,77 | 18005001 | 9,73 |
| 3/8" | 100 10 | 18001002 | 5,35 | 18005002 | 6,68 |
| 1/2" | 70 10 | 18001003 | 5,29 | 18005003 | 6,28 |
| 3/4" | 40 10 | 18001004 | 8,11 | 18005004 | 9,60 |
| 1" | 28 1 | 18001005 | 9,86 | 18005005 | 11,86 |
| 1 1/4" | 16 1 | 18001006 | 13,03 | 18005006 | 15,76 |
| 1 1/2" | 10 1 | 18001007 | 17,37 | 18005007 | 21,00 |
| 2" | 7 1 | 18001008 | 25,81 | 18005008 | 31,35 |
| 2 1/2" | 3 1 | 18001009 | 56,78 | 18005009 | 75,54 |
| 3" | 2 1 | 1800100A | 65,40 | 1800500A | 79,42 |
| 4" | 1 | 1800100C | 109,73 | 1800500C | 131,09 |


220 DISTRIBUIDOR EN Y

| Ø | | NEGRO | | GALVANIZADO | |
|------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 100 10 | 22001002 | 11,20 | 22005002 | 13,90 |
| 1/2" | 60 10 | 22001003 | 9,67 | 22005003 | 11,88 |
| 3/4" | 40 10 | 22001004 | 15,10 | 22005004 | 18,78 |
| 1" | 20 1 | 22001005 | 24,94 | 22005005 | 31,07 |



221 DISTRIBUIDOR EN CODO

ISO/EN **Za1**

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 120 10 | 22101002 | 8,38 | 22105002 | 7,06 |
| 1/2" | 80 10 | 22101003 | 4,92 | 22105003 | 5,96 |
| 3/4" | 50 10 | 22101004 | 5,89 | 22105004 | 7,08 |
| 1" | 40 10 | 22101005 | 10,42 | 22105005 | 12,70 |
| 1 1/4" | 20 1 | 22101006 | 18,40 | 22105006 | 22,89 |
| 1 1/2" | 13 1 | 22101007 | 24,87 | 22105007 | 32,52 |
| 2" | 8 1 | 22101008 | 40,71 | 22105008 | 49,92 |



223 DISTRIBUIDOR EN TE

ISO/EN **Za2**

| Ø | Caja | NEGRO | | GALVANIZADO | |
|------|------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 60 1 | 22301003 | 10,83 | 22305003 | 13,29 |
| 3/4" | 40 1 | 22301004 | 13,49 | 22305004 | 16,66 |
| 1" | 25 1 | 22301005 | 19,83 | 22305005 | 24,74 |

2



240 MANGUITO REDUCIDO

ISO/EN **M2**

| Ø | Caja | NEGRO | | GALVANIZADO | |
|-----------------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/4" - 1/8" | 400 10 | 24011010 | 5,12 | 24015010 | 5,08 |
| 3/8" - 1/8" | 400 10 | 24011020 | 4,57 | 24015020 | 4,55 |
| 3/8" - 1/4" | 400 10 | 24011021 | 4,36 | 24015021 | 4,55 |
| 1/2" - 1/4" | 150 10 | 24001031 | 3,53 | 24005031 | 4,43 |
| 1/2" - 3/8" | 200 10 | 24001032 | 1,89 | 24005032 | 2,32 |
| 3/4" - 1/4" | 140 10 | 24001041 | 4,74 | 24005041 | 5,81 |
| 3/4" - 3/8" | 140 10 | 24001042 | 2,55 | 24005042 | 3,12 |
| 3/4" - 1/2" | 140 10 | 24001043 | 2,07 | 24005043 | 2,51 |
| 1" - 3/8" | 100 10 | 24001052 | 3,66 | 24005052 | 4,57 |
| 1" - 1/2" | 90 10 | 24001053 | 2,86 | 24005053 | 3,37 |
| 1" - 3/4" | 80 10 | 24001054 | 2,54 | 24005054 | 3,12 |
| 1 1/4" - 3/8" | 60 10 | 24001062 | 6,41 | 24005062 | 8,02 |
| 1 1/4" - 1/2" | 60 10 | 24001063 | 5,31 | 24005063 | 6,41 |
| 1 1/4" - 3/4" | 60 10 | 24001064 | 4,74 | 24005064 | 5,70 |
| 1 1/4" - 1" | 50 10 | 24001065 | 4,74 | 24005065 | 5,70 |
| 1 1/2" - 1/2" | 50 1 | 24001073 | 8,22 | 24005073 | 9,91 |
| 1 1/2" - 3/4" | 50 1 | 24001074 | 7,31 | 24005074 | 8,80 |
| 1 1/2" - 1" | 45 1 | 24001075 | 5,64 | 24005075 | 6,81 |
| 1 1/2" - 1 1/4" | 40 1 | 24001076 | 5,97 | 24005076 | 7,26 |
| 2" - 1/2" | 30 1 | 24001083 | 11,40 | 24005083 | 13,85 |
| 2" - 3/4" | 30 1 | 24001084 | 11,80 | 24005084 | 14,40 |
| 2" - 1" | 25 1 | 24001085 | 11,91 | 24005085 | 14,52 |
| 2" - 1 1/4" | 22 1 | 24001086 | 12,20 | 24005086 | 14,84 |
| 2" - 1 1/2" | 22 1 | 24001087 | 12,56 | 24005087 | 15,38 |
| 2 1/2" - 1" | 16 1 | 24001095 | 32,92 | 24005095 | 41,08 |
| 2 1/2" - 1 1/4" | 14 1 | 24001096 | 36,43 | 24005096 | 45,57 |
| 2 1/2" - 1 1/2" | 14 1 | 24001097 | 28,27 | 24005097 | 34,10 |
| 2 1/2" - 2" | 10 1 | 24001098 | 24,50 | 24005098 | 29,38 |
| 3" - 1 1/4" | 10 1 | 240010A6 | 26,05 | 240050A6 | 35,59 |
| 3" - 1 1/2" | 10 1 | 240010A7 | 25,75 | 240050A7 | 31,22 |
| 3" - 2" | 10 1 | 240010A8 | 37,73 | 240050A8 | 45,51 |
| 3" - 2 1/2" | 8 1 | 240010A9 | 39,35 | 240050A9 | 47,46 |
| 4" - 2" | 6 1 | 240010C8 | 57,82 | 240050C8 | 68,98 |
| 4" - 2 1/2" | 6 1 | 240010C9 | 56,78 | 240050C9 | 74,14 |
| 4" - 3" | 6 1 | 240010CA | 66,75 | 240050CA | 79,61 |



TIPO I



TIPO II



TIPO III

241 TUERCA REDUCIDA M/H

ISO/EN **N4**

| Ø | TIPO | Caja | NEGRO | | GALVANIZADO | |
|---------------|------|--------|----------|-------|-------------|--------|
| | | | COD. | € | COD. | € |
| 1/4"-1/8" | I | 400 10 | 24111010 | 1,86 | 24115010 | 2,25 |
| 3/8"-1/8" | II | 400 10 | 24111020 | 1,74 | 24115020 | 2,19 |
| 3/8"-1/4" | I | 400 10 | 24111021 | 1,74 | 24115021 | 1,86 |
| 1/2"-1/8" | II | 400 10 | 24111030 | 2,52 | 24115030 | 2,65 |
| 1/2"-1/4" | II | 350 10 | 24101031 | 1,14 | 24105031 | 1,33 |
| 1/2"-3/8" | I | 350 10 | 24101032 | 1,14 | 24105032 | 1,33 |
| 3/4"-1/4" | II | 200 10 | 24101041 | 1,98 | 24105041 | 2,39 |
| 3/4"-3/8" | II | 200 10 | 24101042 | 1,60 | 24105042 | 1,78 |
| 3/4"-1/2" | I | 200 10 | 24101043 | 1,20 | 24105043 | 1,39 |
| 1"-1/4" | II | 140 10 | 24101051 | 4,67 | 24105051 | 5,75 |
| 1"-3/8" | II | 140 10 | 24101052 | 2,55 | 24105052 | 3,12 |
| 1"-1/2" | II | 140 10 | 24101053 | 1,92 | 24105053 | 2,06 |
| 1"-3/4" | I | 140 10 | 24101054 | 1,92 | 24105054 | 2,06 |
| 1 1/4"-3/8" | II | 80 10 | 24101062 | 4,49 | 24105062 | 5,58 |
| 1 1/4"-1/2" | II | 80 10 | 24101063 | 2,98 | 24105063 | 3,51 |
| 1 1/4"-3/4" | II | 80 10 | 24101064 | 2,79 | 24105064 | 3,17 |
| 1 1/4"-1" | I | 80 10 | 24101065 | 2,35 | 24105065 | 2,79 |
| 1 1/2"-3/8" | II | 80 10 | 24101072 | 8,94 | 24105072 | 11,14 |
| 1 1/2"-1/2" | II | 70 10 | 24101073 | 3,77 | 24105073 | 4,54 |
| 1 1/2"-3/4" | II | 70 10 | 24101074 | 4,17 | 24105074 | 4,99 |
| 1 1/2"-1" | II | 70 10 | 24101075 | 3,06 | 24105075 | 3,51 |
| 1 1/2"-1 1/4" | I | 70 10 | 24101076 | 2,92 | 24105076 | 3,44 |
| 2"-1/2" | III | 30 1 | 24101083 | 7,65 | 24105083 | 9,27 |
| 2"-3/4" | III | 30 1 | 24101084 | 7,57 | 24105084 | 9,15 |
| 2"-1" | II | 30 1 | 24101085 | 6,16 | 24105085 | 7,45 |
| 2"-1 1/4" | II | 30 1 | 24101086 | 5,82 | 24105086 | 7,44 |
| 2"-1 1/2" | II | 30 1 | 24101087 | 5,46 | 24105087 | 6,61 |
| 2 1/2"-1" | III | 20 1 | 24101095 | 14,90 | 24105095 | 18,87 |
| 2 1/2"-1 1/4" | III | 20 1 | 24101096 | 14,96 | 24105096 | 18,87 |
| 2 1/2"-1 1/2" | II | 20 1 | 24101097 | 14,58 | 24105097 | 18,58 |
| 2 1/2"-2" | II | 20 1 | 24101098 | 14,04 | 24105098 | 17,66 |
| 3"-1" | III | 10 1 | 241010A5 | 18,34 | 241050A5 | 22,17 |
| 3"-1 1/4" | III | 10 1 | 241010A6 | 18,34 | 241050A6 | 22,17 |
| 3"-1 1/2" | III | 10 1 | 241010A7 | 16,99 | 241050A7 | 20,55 |
| 3"-2" | II | 15 1 | 241010A8 | 17,37 | 241050A8 | 22,00 |
| 3"-2 1/2" | II | 15 1 | 241010A9 | 17,48 | 241050A9 | 22,13 |
| 4"-2" | III | 8 1 | 241010C8 | 35,08 | 241050C8 | 41,94 |
| 4"-2 1/2" | III | 8 1 | 241010C9 | 31,10 | 241050C9 | 38,31 |
| 4"-3" | II | 8 1 | 241010CA | 31,10 | 241050CA | 38,96 |
| 5"-4" | II | 11 1 | | | 241050DC | 227,27 |
| 6"-4" | III | 6 1 | | | 241050EC | 305,57 |
| 6"-5" | II | 6 1 | | | 241050ED | 329,20 |



245 ROSCA DOBLE REDUCIDA

ISO/EN **N8**

| Ø | | NEGRO | | GALVANIZADO | |
|---------------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4"-1/8" | 400 10 | 24511010 | 4,67 | 24515010 | 5,89 |
| 3/8"-1/8" | 400 10 | 24511020 | 4,30 | 24515020 | 4,43 |
| 3/8"-1/4" | 400 10 | 24511021 | 2,55 | 24515021 | 3,12 |
| 1/2"-1/4" | 250 10 | 24511031 | 2,92 | 24515031 | 3,52 |
| 1/2"-3/8" | 230 10 | 24501032 | 2,51 | 24505032 | 2,92 |
| 3/4"-1/4" | 150 10 | 24501041 | 3,80 | 24505041 | 4,63 |
| 3/4"-3/8" | 140 10 | 24501042 | 3,80 | 24505042 | 4,63 |
| 3/4"-1/2" | 150 10 | 24501043 | 2,39 | 24505043 | 2,39 |
| 1"-1/2" | 100 10 | 24501053 | 4,40 | 24505053 | 5,35 |
| 1"-3/4" | 100 10 | 24501054 | 2,71 | 24505054 | 2,98 |
| 1 1/4"-1/2" | 60 10 | 24501063 | 7,06 | 24505063 | 8,56 |
| 1 1/4"-3/4" | 60 10 | 24501064 | 5,98 | 24505064 | 7,26 |
| 1 1/4"-1" | 50 10 | 24501065 | 4,24 | 24505065 | 5,05 |
| 1 1/2"-3/4" | 50 1 | 24501074 | 5,98 | 24505074 | 7,33 |
| 1 1/2"-1" | 50 1 | 24501075 | 9,15 | 24505075 | 11,14 |
| 1 1/2"-1 1/4" | 45 1 | 24501076 | 5,98 | 24505076 | 7,33 |
| 2"-1" | 25 1 | 24501085 | 8,63 | 24505085 | 10,42 |
| 2"-1 1/4" | 25 1 | 24501086 | 11,03 | 24505086 | 13,29 |
| 2"-1 1/2" | 25 1 | 24501087 | 10,10 | 24505087 | 12,12 |
| 2 1/2"-1 1/2" | 15 1 | 24501097 | 21,92 | 24505097 | 27,15 |
| 2 1/2"-2" | 14 1 | 24501098 | 23,46 | 24505098 | 27,47 |
| 3"-2" | 8 1 | 245010A8 | 44,52 | 245050A8 | 55,80 |
| 3"-2 1/2" | 8 1 | 245010A9 | 34,04 | 245050A9 | 43,61 |
| 4"-3" | 4 1 | 245010CA | 102,79 | 245050CA | 124,78 |



246 MANGUITO REDUCIDO H/M

ISO/EN **M4**

| Ø | | NEGRO | | GALVANIZADO | |
|---------------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/4"-1/8" | 400 10 | 24611010 | 2,92 | 24615010 | 3,37 |
| 3/8"-1/4" | 400 10 | 24611021 | 2,79 | 24615021 | 3,30 |
| 1/2"-1/4" | 220 10 | 24601031 | 2,73 | 24605031 | 3,37 |
| 1/2"-3/8" | 220 10 | 24601032 | 2,71 | 24605032 | 3,30 |
| 3/4"-3/8" | 150 10 | 24601042 | 3,32 | 24605042 | 4,11 |
| 3/4"-1/2" | 140 10 | 24601043 | 2,39 | 24605043 | 2,92 |
| 1"-1/2" | 80 10 | 24601053 | 3,45 | 24605053 | 4,24 |
| 1"-3/4" | 80 10 | 24601054 | 3,70 | 24605054 | 4,50 |
| 1 1/4"-1/2" | 60 10 | 24601063 | 8,68 | 24605063 | 10,63 |
| 1 1/4"-3/4" | 50 10 | 24601064 | 7,06 | 24605064 | 8,43 |
| 1 1/4"-1" | 50 10 | 24601065 | 5,98 | 24605065 | 7,14 |
| 1 1/2"-3/4" | 45 1 | 24601074 | 7,39 | 24605074 | 9,15 |
| 1 1/2"-1" | 45 1 | 24601075 | 8,17 | 24605075 | 9,80 |
| 1 1/2"-1 1/4" | 40 1 | 24601076 | 7,06 | 24605076 | 10,43 |
| 2"-1" | 30 1 | 24601085 | 12,97 | 24605085 | 15,67 |
| 2"-1 1/4" | 25 1 | 24601086 | 11,33 | 24605086 | 13,60 |
| 2"-1 1/2" | 20 1 | 24601087 | 11,80 | 24605087 | 14,26 |
| 2 1/2"-1 1/2" | 12 1 | 24601097 | 36,75 | 24605097 | 46,01 |
| 2 1/2"-2" | 12 1 | 24601098 | 29,16 | 24605098 | 36,21 |
| 3"-2" | 12 1 | 246010A8 | 42,00 | 246050A8 | 52,90 |
| 3"-2 1/2" | 12 1 | 246010A9 | 51,35 | 246050A9 | 64,76 |



270 MANGUITO

ISO/EN **M2**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/8" | 400 10 | 27011000 | 1,73 | 27015000 | 2,06 |
| 1/4" | 400 10 | 27011001 | 1,73 | 27015001 | 2,06 |
| 3/8" | 250 10 | 27001002 | 1,60 | 27005002 | 1,87 |
| 1/2" | 180 10 | 27001003 | 1,20 | 27005003 | 1,20 |
| 3/4" | 110 10 | 27001004 | 1,46 | 27005004 | 1,46 |
| 1" | 80 10 | 27001005 | 1,92 | 27005005 | 1,92 |
| 1 1/4" | 45 1 | 27001006 | 3,37 | 27005006 | 3,37 |
| 1 1/2" | 35 1 | 27001007 | 4,54 | 27005007 | 4,54 |
| 2" | 20 1 | 27001008 | 7,26 | 27005008 | 7,26 |
| 2 1/2" | 12 1 | 27001009 | 20,55 | 27005009 | 24,87 |
| 3" | 9 1 | 2700100A | 25,92 | 2700500A | 32,72 |
| 4" | 4 1 | 2700100C | 56,53 | 2700500C | 68,64 |
| 5" | 3 1 | | | 2700500D | 282,11 |
| 6" | 3 1 | | | 2700500E | 385,00 |



271 MANGUITO DERECHA/IZQUIERDA

ISO/EN **M2 R-L**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 250 10 | 27101002 | 2,00 | 27105002 | 2,51 |
| 1/2" | 180 10 | 27101003 | 1,92 | 27105003 | 2,32 |
| 3/4" | 110 10 | 27101004 | 2,55 | 27105004 | 3,17 |
| 1" | 80 10 | 27101005 | 3,32 | 27105005 | 4,11 |
| 1 1/4" | 45 1 | 27101006 | 6,34 | 27105006 | 7,65 |
| 1 1/2" | 35 1 | 27101007 | 7,06 | 27105007 | 8,74 |
| 2" | 20 1 | 27101008 | 12,71 | 27105008 | 15,67 |





280 ROSCA DOBLE

ISO/EN N8

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/8" | 400 10 | 28011000 | 2,00 | 28015000 | 2,51 |
| 1/4" | 400 10 | 28011001 | 2,00 | 28015001 | 2,51 |
| 3/8" | 300 10 | 28001002 | 2,08 | 28005002 | 2,51 |
| 1/2" | 200 10 | 28001003 | 1,24 | 28005003 | 1,24 |
| 3/4" | 130 10 | 28001004 | 1,44 | 28005004 | 1,44 |
| 1" | 80 10 | 28001005 | 1,93 | 28005005 | 1,93 |
| 1 1/4" | 40 10 | 28001006 | 3,51 | 28005006 | 3,51 |
| 1 1/2" | 40 1 | 28001007 | 4,40 | 28005007 | 4,62 |
| 2" | 20 1 | 28001008 | 7,00 | 28005008 | 7,34 |
| 2 1/2" | 10 1 | 28001009 | 17,31 | 28005009 | 21,87 |
| 3" | 8 1 | 2800100A | 26,90 | 2800500A | 33,94 |
| 4" | 4 1 | 2800100C | 56,59 | 2800500C | 68,64 |
| 5" | 3 1 | | | 2800500D | 266,44 |
| 6" | 3 1 | | | 2800500E | 391,78 |



281 ROSCA DOBLE DERECHA/IZQUIERDA

ISO/EN N8 R-L

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 300 10 | 28101002 | 4,00 | 28105002 | 4,89 |
| 1/2" | 200 10 | 28101003 | 2,46 | 28105003 | 3,06 |
| 3/4" | 130 10 | 28101004 | 2,81 | 28105004 | 3,52 |
| 1" | 80 10 | 28101005 | 3,99 | 28105005 | 5,57 |
| 1 1/4" | 40 10 | 28101006 | 6,16 | 28105006 | 7,77 |
| 1 1/2" | 40 1 | 28101007 | 8,29 | 28105007 | 9,91 |
| 2" | 20 1 | 28101008 | 13,36 | 28105008 | 16,45 |



290 TAPÓN M

ISO/EN T9

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/8" | 400 10 | 29011000 | 1,35 | 29015000 | 1,67 |
| 1/4" | 400 10 | 29011001 | 1,20 | 29015001 | 1,44 |
| 3/8" | 400 10 | 29001002 | 1,14 | 29005002 | 1,31 |
| 1/2" | 300 10 | 29001003 | 0,91 | 29005003 | 0,91 |
| 3/4" | 200 10 | 29001004 | 1,24 | 29005004 | 1,24 |
| 1" | 120 10 | 29001005 | 1,61 | 29005005 | 1,61 |
| 1 1/4" | 80 10 | 29001006 | 2,55 | 29005006 | 3,06 |
| 1 1/2" | 60 10 | 29001007 | 3,30 | 29005007 | 4,03 |
| 2" | 40 1 | 29001008 | 5,18 | 29005008 | 6,04 |
| 2 1/2" | 20 1 | 29001009 | 11,86 | 29005009 | 14,51 |
| 3" | 15 1 | 2900100A | 15,02 | 2900500A | 18,52 |
| 4" | 8 1 | 2900100C | 26,52 | 2900500C | 31,22 |



291 TAPÓN SIN REBORDE M

ISO/EN T8

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/8" | 400 10 | 29111000 | 1,33 | 29115000 | 1,61 |
| 1/4" | 400 10 | 29111001 | 1,33 | 29115001 | 1,61 |
| 3/8" | 400 10 | 29101002 | 1,33 | 29105002 | 1,61 |
| 1/2" | 300 10 | 29101003 | 1,14 | 29105003 | 1,33 |
| 3/4" | 200 10 | 29101004 | 1,40 | 29105004 | 1,78 |
| 1" | 120 10 | 29101005 | 1,79 | 29105005 | 2,32 |
| 1 1/4" | 80 10 | 29101006 | 2,67 | 29105006 | 3,30 |
| 1 1/2" | 60 10 | 29101007 | 3,58 | 29105007 | 4,80 |
| 2" | 40 1 | 29101008 | 5,52 | 29105008 | 7,39 |
| 2 1/2" | 20 1 | 29101009 | 16,99 | 29105009 | 21,24 |
| 3" | 15 1 | 2910100A | 20,75 | 2910500A | 25,92 |
| 4" | 8 1 | 2910100C | 71,81 | 2910500C | 90,62 |



294 TAPÓN CON ORIFICIO EN EL DADO

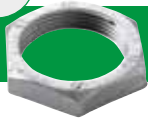
| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 300 10 | 29401003 | 3,06 | 29405003 | 3,59 |
| 3/4" | 200 10 | 29401004 | 3,83 | 29405004 | 4,57 |
| 1" | 120 10 | 29401005 | 5,42 | 29405005 | 6,34 |
| 1 1/4" | 80 10 | 29401006 | 6,16 | 29405006 | 7,39 |
| 1 1/2" | 60 10 | 29401007 | 6,81 | 29405007 | 8,17 |
| 2" | 40 1 | 29401008 | 9,40 | 29405008 | 11,33 |



300 TAPÓN H

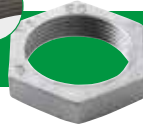
ISO/EN T1

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/8" | 400 10 | 30011000 | 1,46 | 30015000 | 1,73 |
| 1/4" | 400 10 | 30011001 | 1,67 | 30015001 | 1,73 |
| 3/8" | 400 10 | 30011002 | 1,27 | 30015002 | 1,60 |
| 1/2" | 280 10 | 30001003 | 1,33 | 30005003 | 1,52 |
| 3/4" | 180 10 | 30001004 | 1,60 | 30005004 | 1,92 |
| 1" | 130 10 | 30001005 | 2,00 | 30005005 | 2,51 |
| 1 1/4" | 80 10 | 30001006 | 3,63 | 30005006 | 4,49 |
| 1 1/2" | 60 10 | 30001007 | 4,28 | 30005007 | 5,18 |
| 2" | 40 1 | 30001008 | 7,06 | 30005008 | 8,56 |
| 2 1/2" | 25 1 | 30001009 | 14,40 | 30005009 | 18,32 |
| 3" | 15 1 | 3000100A | 16,39 | 3000500A | 20,77 |
| 4" | 8 1 | 3000100C | 29,50 | 3000500C | 36,21 |


310 CONTRATUERCA

ISO/EN P4

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/4" | 400 10 | 31011001 | 2,66 | 31015001 | 3,54 |
| 3/8" | 400 10 | 31011002 | 2,86 | 31015002 | 2,86 |
| 1/2" | 400 10 | 31001003 | 1,46 | 31005003 | 1,78 |
| 3/4" | 300 10 | 31001004 | 1,61 | 31005004 | 1,92 |
| 1" | 200 10 | 31001005 | 1,79 | 31005005 | 2,39 |
| 1 1/4" | 80 1 | 31001006 | 4,15 | 31005006 | 4,92 |
| 1 1/2" | 70 1 | 31001007 | 4,54 | 31005007 | 5,58 |
| 2" | 50 1 | 31001008 | 8,94 | 31005008 | 11,03 |
| 2 1/2" | 25 1 | 31001009 | 18,09 | 31005009 | 22,83 |
| 3" | 25 1 | 3100100A | 21,18 | 3100500A | 26,77 |


312 CONTRATUERCA CON REBAJE

ISO/EN P4

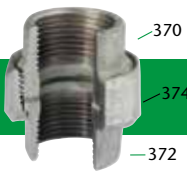
| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/4" | 400 10 | 31211001 | 2,08 | 31215001 | 2,59 |
| 3/8" | 400 10 | 31211002 | 2,08 | 31215002 | 2,59 |
| 1/2" | 400 10 | 31201003 | 1,40 | 31205003 | 1,78 |
| 3/4" | 300 10 | 31201004 | 2,76 | 31205004 | 2,76 |
| 1" | 200 10 | 31201005 | 1,98 | 31205005 | 2,39 |
| 1 1/4" | 120 10 | 31201006 | 2,92 | 31205006 | 3,44 |
| 1 1/2" | 90 10 | 31201007 | 3,37 | 31205007 | 4,15 |
| 2" | 60 10 | 31201008 | 6,93 | 31205008 | 8,23 |
| 2 1/2" | 35 1 | 31201009 | 13,49 | 31205009 | 18,34 |
| 3" | 25 1 | 3120100A | 16,39 | 3120500A | 20,26 |
| 4" | 12 1 | 3120100C | 21,65 | 3120500C | 29,22 |


320 BRIDA OVALADA

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 140 1 | 32001003 | 6,01 | 32005003 | 8,45 |
| 3/4" | 110 1 | 32001004 | 7,28 | 32005004 | 10,24 |
| 1" | 70 1 | 32001005 | 8,43 | 32005005 | 11,82 |
| 1 1/4" | 50 1 | 32001006 | 11,91 | 32005006 | 15,21 |
| 1 1/2" | 35 1 | 32001007 | 15,31 | 32005007 | 19,58 |
| 2" | 30 1 | 32001008 | 18,54 | 32005008 | 23,59 |
| 2 1/2" | 15 1 | 32001009 | 31,64 | 32005009 | 45,06 |
| 3" | 10 1 | 3200100A | 39,41 | 3200500A | 48,93 |
| 4" | 6 1 | 3200100C | 42,93 | 3200500C | 56,90 |

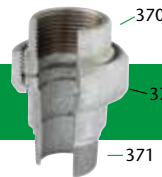

321 BRIDA

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 110 1 | | | 32105002 | 14,78 |
| 1/2" | 90 1 | 32101003 | 10,48 | 32105003 | 12,56 |
| 3/4" | 70 1 | 32101004 | 11,58 | 32105004 | 12,56 |
| 1" | 50 1 | 32101005 | 12,31 | 32105005 | 13,90 |
| 1 1/4" | 30 1 | 32101006 | 14,71 | 32105006 | 16,66 |
| 1 1/2" | 20 1 | 32101007 | 17,56 | 32105007 | 19,83 |
| 2" | 15 1 | 32101008 | 20,49 | 32105008 | 23,00 |
| 2 1/2" | 12 1 | 32101009 | 29,68 | 32105009 | 33,94 |
| 3" | 9 1 | 3210100A | 35,66 | 3210500A | 40,71 |
| 4" | 5 1 | 3210100C | 59,24 | 3210500C | 69,69 |


330 UNIÓN ASIENTO PLANO H/H

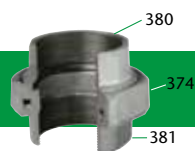
ISO/EN U1

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/2" | 80 10 | 33001003 | 5,64 | 33005003 | 6,81 |
| 3/4" | 50 10 | 33001004 | 7,00 | 33005004 | 8,34 |
| 1" | 30 10 | 33001005 | 8,43 | 33005005 | 9,97 |
| 1 1/4" | 20 1 | 33001006 | 11,52 | 33005006 | 13,67 |
| 1 1/2" | 18 1 | 33001007 | 14,96 | 33005007 | 17,73 |
| 2" | 10 1 | 33001008 | 22,17 | 33005008 | 27,47 |
| 2 1/2" | 7 1 | 33001009 | 48,75 | 33005009 | 60,16 |
| 3" | 4 1 | 3300100A | 72,21 | 3300500A | 88,56 |
| 4" | 2 1 | 3300100C | 139,36 | 3300500C | 187,74 |


331 UNIÓN ASIENTO PLANO M/H

ISO/EN U2

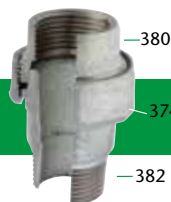
| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 3/8" | 100 10 | 33101002 | 11,52 | 33105002 | 14,15 |
| 1/2" | 60 10 | 33101003 | 6,54 | 33105003 | 7,67 |
| 3/4" | 40 10 | 33101004 | 8,17 | 33105004 | 9,80 |
| 1" | 35 1 | 33101005 | 10,04 | 33105005 | 11,88 |
| 1 1/4" | 18 1 | 33101006 | 13,09 | 33105006 | 16,08 |
| 1 1/2" | 15 1 | 33101007 | 17,73 | 33105007 | 21,00 |
| 2" | 10 1 | 33101008 | 24,87 | 33105008 | 30,41 |
| 2 1/2" | 4 1 | 33101009 | 59,89 | 33105009 | 71,68 |
| 3" | 2 1 | 3310100A | 100,42 | 3310500A | 115,95 |



340 UNIÓN ASIENTO CÓNICO H/H

ISO/EN U11

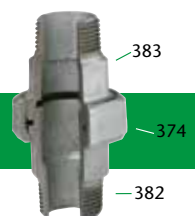
| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/8" | 160 10 | 34001000 | 26,52 | 34005000 | 32,92 |
| 1/4" | 140 10 | 34001001 | 7,62 | 34005001 | 9,40 |
| 3/8" | 100 10 | 34001002 | 7,20 | 34005002 | 8,25 |
| 1/2" | 80 10 | 34001003 | 6,22 | 34005003 | 7,20 |
| 3/4" | 50 10 | 34001004 | 7,65 | 34005004 | 9,06 |
| 1" | 30 10 | 34001005 | 9,15 | 34005005 | 10,65 |
| 1 1/4" | 20 1 | 34001006 | 12,71 | 34005006 | 15,21 |
| 1 1/2" | 18 1 | 34001007 | 16,45 | 34005007 | 18,91 |
| 2" | 10 1 | 34001008 | 24,18 | 34005008 | 29,16 |
| 2 1/2" | 7 1 | 34001009 | 51,35 | 34005009 | 61,47 |
| 3" | 4 1 | 3400100A | 75,57 | 3400500A | 92,23 |
| 4" | 2 1 | 3400100C | 147,48 | 3400500C | 172,96 |



341 UNIÓN ASIENTO CÓNICO M/H

ISO/EN U12

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|--------|-------------|--------|
| | | COD. | € | COD. | € |
| 1/4" | 120 10 | 34101001 | 7,89 | 34105001 | 9,67 |
| 3/8" | 100 10 | 34101002 | 7,45 | 34105002 | 8,23 |
| 1/2" | 60 10 | 34101003 | 7,15 | 34105003 | 8,06 |
| 3/4" | 40 10 | 34101004 | 8,87 | 34105004 | 10,33 |
| 1" | 35 1 | 34101005 | 10,96 | 34105005 | 12,82 |
| 1 1/4" | 18 1 | 34101006 | 14,26 | 34105006 | 16,66 |
| 1 1/2" | 15 1 | 34101007 | 19,31 | 34105007 | 22,48 |
| 2" | 10 1 | 34101008 | 27,34 | 34105008 | 32,27 |
| 2 1/2" | 4 1 | 34101009 | 65,77 | 34105009 | 80,33 |
| 3" | 2 1 | 3410100A | 106,17 | 3410500A | 129,86 |
| 4" | 1 | 3410100C | 166,59 | 3410500C | 192,45 |



344 UNIÓN ASIENTO CÓNICO M/M

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/4" | 120 10 | 34401001 | 21,24 | 34405001 | 26,24 |
| 3/8" | 100 10 | 34401002 | 17,68 | 34405002 | 21,68 |
| 1/2" | 50 10 | 34401003 | 16,19 | 34405003 | 20,30 |
| 3/4" | 40 10 | 34401004 | 18,60 | 34405004 | 23,46 |
| 1" | 30 1 | 34401005 | 21,59 | 34405005 | 27,46 |
| 1 1/4" | 15 1 | 34401006 | 38,18 | 34405006 | 47,71 |
| 1 1/2" | 10 1 | 34401007 | 42,93 | 34405007 | 53,58 |
| 2" | 6 1 | 34401008 | 78,19 | 34405008 | 97,77 |



370 HEMBRA UNIÓN PLANA

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 250 1 | 37001003 | 2,67 | 37005003 | 3,30 |
| 3/4" | 200 1 | 37001004 | 3,27 | 37005004 | 4,11 |
| 1" | 120 1 | 37001005 | 3,86 | 37005005 | 4,82 |
| 1 1/4" | 70 1 | 37001006 | 4,99 | 37005006 | 6,28 |
| 1 1/2" | 50 1 | 37001007 | 7,00 | 37005007 | 8,23 |
| 2" | 25 1 | 37001008 | 9,86 | 37005008 | 12,06 |
| 2 1/2" | 15 1 | 37001009 | 12,82 | 37005009 | 15,95 |
| 3" | 10 1 | 3700100A | 16,99 | 3700500A | 21,77 |
| 4" | 6 1 | 3700100C | 23,46 | 3700500C | 29,44 |



371 MACHO LOCO PLANO

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 225 1 | 37101003 | 3,34 | 37105003 | 4,24 |
| 3/4" | 125 1 | 37101004 | 3,76 | 37105004 | 5,15 |
| 1" | 80 1 | 37101005 | 4,99 | 37105005 | 6,34 |
| 1 1/4" | 45 1 | 37101006 | 6,54 | 37105006 | 8,23 |
| 1 1/2" | 35 1 | 37101007 | 9,15 | 37105007 | 11,40 |
| 2" | 20 1 | 37101008 | 12,90 | 37105008 | 15,89 |
| 2 1/2" | 10 1 | 37101009 | 33,07 | 37105009 | 40,71 |
| 3" | 6 1 | 3710100A | 58,88 | 3710500A | 72,61 |



372 HEMBRA LOCA PLANA

| Ø | Caja | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 325 1 | 37201003 | 2,14 | 37205003 | 2,70 |
| 3/4" | 210 1 | 37201004 | 2,66 | 37205004 | 3,30 |
| 1" | 150 1 | 37201005 | 3,14 | 37205005 | 3,96 |
| 1 1/4" | 80 1 | 37201006 | 4,67 | 37205006 | 5,70 |
| 1 1/2" | 55 1 | 37201007 | 5,76 | 37205007 | 7,14 |
| 2" | 30 1 | 37201008 | 7,96 | 37205008 | 9,86 |
| 2 1/2" | 16 1 | 37201009 | 17,05 | 37205009 | 21,84 |
| 3" | 10 1 | 3720100A | 26,90 | 3720500A | 33,07 |


374 TUERCA

| Ø | | NEGRO | | GALVANIZADO | |
|--------|-------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 300 1 | 37401002 | 2,00 | 37405002 | 2,51 |
| 1/2" | 175 1 | 37401003 | 1,87 | 37405003 | 2,32 |
| 3/4" | 140 1 | 37401004 | 2,35 | 37405004 | 2,86 |
| 1" | 100 1 | 37401005 | 2,79 | 37405005 | 3,44 |
| 1 1/4" | 55 1 | 37401006 | 3,76 | 37405006 | 4,54 |
| 1 1/2" | 45 1 | 37401007 | 4,54 | 37405007 | 5,64 |
| 2" | 30 1 | 37401008 | 6,41 | 37405008 | 7,90 |
| 2 1/2" | 15 1 | 37401009 | 15,49 | 37405009 | 19,95 |
| 3" | 12 1 | 3740100A | 21,53 | 3740500A | 26,42 |
| 4" | 8 1 | 3740100C | 28,00 | 3740500C | 34,93 |


526 ALARGADERA

| Ø | | NEGRO | | GALVANIZADO | |
|-----------|--------|----------|------|-------------|------|
| | | COD. | € | COD. | € |
| 30 x 3/8" | 350 10 | 52601302 | 2,42 | 52605302 | 3,12 |
| 30 x 1/2" | 220 10 | 52601303 | 2,42 | 52605303 | 3,12 |
| 40 x 3/8" | 250 10 | 52601402 | 2,55 | 52605402 | 3,12 |
| 40 x 1/2" | 200 10 | 52601403 | 2,55 | 52605403 | 3,12 |
| 40 x 3/4" | 120 10 | 52601404 | 3,32 | 52605404 | 4,11 |
| 50 x 1/2" | 120 10 | 52601503 | 4,09 | 52605503 | 5,15 |


531 MANGUITO INTERIOR

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/8" | 100 10 | | | 53115000 | 2,23 |
| 1/4" | 500 10 | 53111001 | 1,07 | 53115001 | 2,39 |
| 3/8" | 400 10 | 53101002 | 1,53 | 53105002 | 1,86 |
| 1/2" | 380 10 | 53101003 | 1,61 | 53105003 | 1,98 |
| 3/4" | 240 10 | 53101004 | 2,08 | 53105004 | 2,70 |
| 1" | 140 10 | 53101005 | 2,35 | 53105005 | 2,92 |
| 1 1/4" | 80 10 | 53101006 | 3,76 | 53105006 | 4,53 |
| 1 1/2" | 60 10 | 53101007 | 4,85 | 53105007 | 5,98 |
| 2" | 35 1 | 53101008 | 7,33 | 53105008 | 8,94 |
| 2 1/2" | 18 1 | 53101009 | 14,52 | 53105009 | 17,89 |
| 3" | 12 1 | 5310100A | 19,12 | 5310500A | 26,58 |
| 4" | 8 1 | 5310100C | 35,40 | 5310500C | 43,11 |

JUNTAS DE ESTANQUEIDAD


Juntas aptas para gases, agua, aceite e hidrocarburos. Óptima calidad en ratio P (0-50Bar) - Tª (0 - 220° C). Certificadas para agua potable (TZW) y gas (DVGW - VP 401 y DVGW DIN 3535-6).

| Ø | Ø Int. mm. | Ø Ext. mm. | ESPESOR | COD. | € |
|--------|------------|------------|---------|----------|------|
| 1/2" | 24 | 34 | 2 | 90000003 | 0,23 |
| 3/4" | 27 | 38 | 2 | 90000004 | 0,32 |
| 1" | 32 | 44 | 2 | 90000005 | 0,45 |
| 1 1/4" | 42 | 55 | 2 | 90000006 | 0,67 |
| 1 1/2" | 46 | 62 | 2 | 90000007 | 0,72 |
| 2" | 60 | 78 | 2 | 90000008 | 1,00 |
| 2 1/2" | 75 | 96 | 3 | 90000009 | 2,92 |
| 3" | 88 | 109 | 3 | 9000000A | 3,75 |
| 4" | 113 | 134 | 3 | 9000000C | 5,27 |


334 UNIÓN DE COMPENSACIÓN

| Ø | | NEGRO | | GALVANIZADO | |
|--------------|------|-------|---|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" x 88 | 50 1 | | | 33405003 | 10,75 |
| 3/4" x 96 | 30 1 | | | 33405004 | 12,10 |
| 1" x 106 | 20 1 | | | 33405005 | 13,65 |
| 1 1/4" x 118 | 15 1 | | | 33405006 | 19,95 |
| 1 1/2" x 122 | 10 1 | | | 33405007 | 24,55 |
| 2" x 134 | 8 1 | | | 33405008 | 35,05 |


471 CODO PLACA HEMBRA

| Ø | | NEGRO | | GALVANIZADO | |
|------|-------|-------|---|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 40 10 | | | 47105003 | 14,52 |
| 3/4" | 30 10 | | | 47105004 | 28,00 |
| 1" | 20 10 | | | 47105005 | 42,00 |


529 ALARGADERA

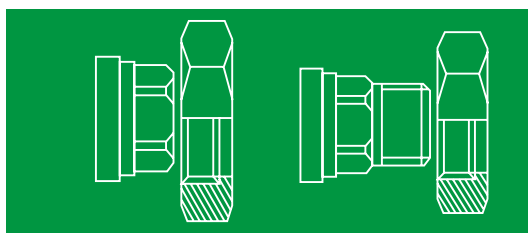
 ISO/EN **M4**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 3/8" | 300 10 | 52901002 | 2,27 | 52905002 | 2,79 |
| 1/2" | 200 10 | 52901003 | 2,27 | 52905003 | 2,86 |
| 3/4" | 120 10 | 52901004 | 3,32 | 52905004 | 4,11 |
| 1" | 60 10 | 52901005 | 5,34 | 52905005 | 6,41 |
| 1 1/4" | 40 1 | 52901006 | 10,70 | 52905006 | 13,03 |
| 1 1/2" | 35 1 | 52901007 | 15,38 | 52905007 | 18,91 |
| 2" | 20 1 | 52901008 | 25,35 | 52905008 | 31,64 |


596 TAPÓN CUADRADILLO INTERIOR

 ISO/EN **T11**

| Ø | | NEGRO | | GALVANIZADO | |
|--------|--------|----------|-------|-------------|-------|
| | | COD. | € | COD. | € |
| 1/2" | 200 10 | | | 59605003 | 3,23 |
| 3/4" | 150 10 | 59601004 | 3,23 | | |
| 1" | 150 10 | 59601005 | 3,89 | | |
| 1 1/4" | 140 1 | 59601006 | 5,90 | | |
| 1 1/2" | 125 1 | 59601007 | 11,27 | 59605007 | 13,73 |
| 2" | 60 1 | 59601008 | 15,95 | | |



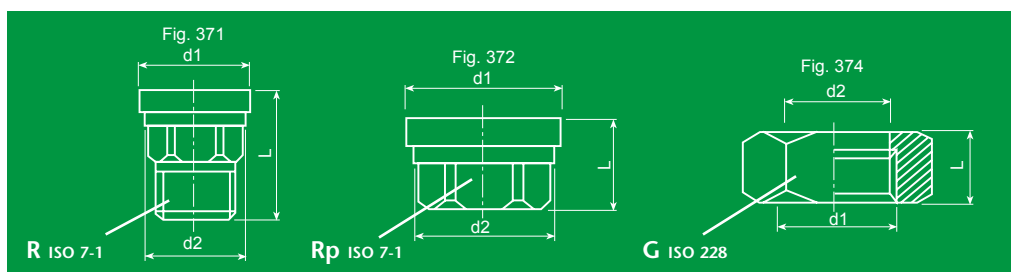
JUEGOS DE CONEXIÓN PARA BOMBAS

■ 1 Juego se compone de:

- 2 Tuercas Ref. 374 (P1)
Rosca de sujeción EN-ISO 228-1.
- 2 Piezas locas Ref. 372 ó 371
Roscas de unión DIN 2999 / ISO 7-1 / EN 10226-1
- 2 Juntas de fibras sin amianto:
 - Temperatura máx 300° C.
 - Temperatura máx con vapor 200° C.
 - Certificado DVGW para gases industriales.
 - Certificado KTW para alimentación y agua potable.

■ Los juegos se fabrican en acabado negro (sin galvanizar), si no se especifica lo contrario.

■ Cada juego se suministra en bolsita de plástico y caja de cartón, debidamente etiquetadas.



**3/4" (372 Reducido)
JUEGO
C4201047**

| FIG | € | mm. | | | Caja | (grs.) |
|--------------|-------|-------|------|------|------|--------|
| | | d1 | d2 | L | | |
| 372 Rp 3/4" | 13,58 | 44,2 | 40,9 | 26,0 | 20 | 464 |
| 374 G 1 1/2" | | 45,15 | 41,8 | 22,0 | | |

**1"
JUEGO
C4201057**

| FIG | € | mm. | | | Caja | (grs.) |
|--------------|-------|-------|------|------|------|--------|
| | | d1 | d2 | L | | |
| 372 Rp 1" | 10,88 | 44,2 | 40,9 | 26,5 | 20 | 474 |
| 374 G 1 1/2" | | 45,15 | 41,8 | 22,0 | | |

**1" (372 Reducido)
JUEGO
C4201058**

| FIG | € | mm. | | | Caja | (grs.) |
|-----------|-------|------|------|------|------|--------|
| | | d1 | d2 | L | | |
| 372 Rp 1" | 19,49 | 56,0 | 52,2 | 31,0 | 15 | 854 |
| 374 G 2" | | 56,9 | 52,9 | 24,0 | | |

**1"
JUEGO
C4101057**

| FIG | € | mm. | | | Caja | (grs.) |
|--------------|-------|-------|------|------|------|--------|
| | | d1 | d2 | L | | |
| 371 R 1" | 20,71 | 44,2 | 40,9 | 49,0 | 18 | 620 |
| 374 G 1 1/2" | | 45,15 | 41,8 | 22,0 | | |

**1 1/4" (371 Ampliado)
JUEGO
C4101067**

| FIG | € | mm. | | | Caja | (grs.) |
|--------------|-------|-------|------|------|------|--------|
| | | d1 | d2 | L | | |
| 371 R 1 1/4" | 22,90 | 44,2 | 40,9 | 48,0 | 15 | 624 |
| 374 G 1 1/2" | | 45,15 | 41,8 | 22,0 | | |

**1 1/4"
JUEGO
C4201068**

| FIG | € | mm. | | | Caja | (grs.) |
|---------------|-------|------|------|------|------|--------|
| | | d1 | d2 | L | | |
| 372 Rp 1 1/4" | 16,50 | 56,0 | 52,2 | 31,0 | 15 | 878 |
| 374 G 2" | | 56,9 | 52,9 | 24,0 | | |

JUNTAS RÁPIDAS

Las Juntas Rápidas EO comparten características y proceso de fabricación con el accesorio de hierro maleable de corazón blanco. Diseñadas para la unión de tubos mediante el ajuste a compresión, este sistema simplifica y optimiza tanto el montaje de nuevas instalaciones como el mantenimiento y modificación de instalaciones ya existentes. Los parámetros de diseño de este producto permiten unas condiciones de servicio óptimas, garantizando la estanqueidad de la instalación tanto en líquidos como en gases. En sus tres versiones de diseño – juntas rápidas, collarines de derivación y tapaporos – esta gama de producto EO se ha convertido en un referente en el mercado, con unos resultados altamente satisfactorios en sus diferentes ámbitos de aplicación: agua, gas, combustibles, aire comprimido, aceites.





ATUSA

JUNTAS
RÁPIDAS

JUNTAS
RÁPIDAS



740
3/8" a 2 1/2"



740
3" y 4"



746
3/8" a 2 1/2"



746
3" y 4"



770
1/2" a 2 1/2"



770
3" y 4"



790
1/2" a 2"



790
2 1/2" y 3"



730
1/2" a 2"



730
2 1/2" y 3"



730R
varias



730R
varias



710
1/2" a 4"




715
1/2" a 2"



720
varias


740 JUNTA HEMBRA



| Ø |  | | COD. | € |
|--------|--|---|----------|--------|
| 3/8" | 75 | 5 | 740A5002 | 11,91 |
| 1/2" | 60 | 5 | 740A5003 | 11,91 |
| 3/4" | 30 | 5 | 740A5004 | 13,44 |
| 1" | 20 | 4 | 740A5005 | 15,18 |
| 1 1/4" | 16 | 4 | 740A5006 | 22,17 |
| 1 1/2" | 12 | 3 | 740A5007 | 27,29 |
| 2" | 6 | 2 | 740A5008 | 38,93 |
| 2 1/2" | 6 | 2 | 740A5009 | 70,54 |
| * 3" | 2 | 1 | 740A500A | 101,82 |
| * 4" | 1 | | 740A500C | 233,78 |


746 JUNTA MACHO



| Ø |  | | COD. | € |
|--------|--|---|----------|--------|
| 3/8" | 75 | 5 | 746A5002 | 11,85 |
| 1/2" | 55 | 5 | 746A5003 | 11,85 |
| 3/4" | 30 | 5 | 746A5004 | 13,11 |
| 1" | 20 | 4 | 746A5005 | 14,97 |
| 1 1/4" | 16 | 4 | 746A5006 | 21,56 |
| 1 1/2" | 12 | 3 | 746A5007 | 26,68 |
| 2" | 6 | 2 | 746A5008 | 37,87 |
| 2 1/2" | 6 | 2 | 746A5009 | 69,08 |
| * 3" | 2 | 1 | 746A500A | 97,30 |
| * 4" | 1 | | 746A500C | 228,13 |

770 JUNTA DOBLE



| Ø |  | | COD. | € |
|--------|--|---|----------|--------|
| 1/2" | 50 | 5 | 770A5003 | 16,70 |
| 3/4" | 25 | 5 | 770A5004 | 19,57 |
| 1" | 16 | 4 | 770A5005 | 23,24 |
| 1 1/4" | 12 | 3 | 770A5006 | 30,22 |
| 1 1/2" | 9 | 3 | 770A5007 | 39,87 |
| 2" | 6 | 2 | 770A5008 | 57,03 |
| 2 1/2" | 4 | 2 | 770A5009 | 107,94 |
| * 3" | 2 | 1 | 770A500A | 138,49 |
| * 4" | 1 | | 770A500C | 342,07 |

 Galvanizado

* Bridada

790 JUNTA CODO DOBLE



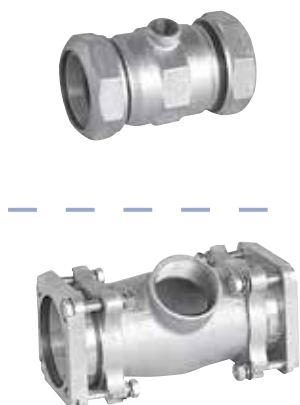
| Ø | | | COD. | € |
|----------|----|---|----------|--------|
| 1/2" | 40 | 1 | 790A5003 | 36,09 |
| 3/4" | 20 | 1 | 790A5004 | 48,02 |
| 1" | 15 | 1 | 790A5005 | 57,87 |
| 1 1/4" | 10 | 1 | 790A5006 | 76,67 |
| 1 1/2" | 6 | 1 | 790A5007 | 98,93 |
| 2" | 4 | 1 | 790A5008 | 125,26 |
| * 2 1/2" | 2 | 1 | 790A5009 | 298,53 |
| * 3" | 2 | 1 | 790A500A | 335,69 |

730 JUNTA TE



| Ø | | | COD. | € |
|----------|----|---|----------|--------|
| 1/2" | 30 | 1 | 730A5003 | 40,27 |
| 3/4" | 20 | 1 | 730A5004 | 51,67 |
| 1" | 15 | 1 | 730A5005 | 61,18 |
| 1 1/4" | 10 | 1 | 730A5006 | 80,33 |
| 1 1/2" | 6 | 1 | 730A5007 | 103,59 |
| 2" | 4 | 1 | 730A5008 | 127,58 |
| * 2 1/2" | 2 | 1 | 730A5009 | 292,72 |
| * 3" | 2 | 1 | 730A500A | 323,31 |

730R JUNTA TE REDUCIDA




| Ø | | | COD. | € |
|-----------------|----|---|----------|--------|
| 3/4" x 1/2" | 20 | 1 | 730A5434 | 51,46 |
| 1" x 1/2" | 15 | 1 | 730A5535 | 60,44 |
| 1" x 3/4" | 15 | 1 | 730A5545 | 60,84 |
| 1 1/4" x 1/2" | 10 | 1 | 730A5636 | 79,63 |
| 1 1/4" x 3/4" | 10 | 1 | 730A5646 | 79,99 |
| 1 1/4" x 1" | 10 | 1 | 730A5656 | 80,24 |
| 1 1/2" x 1/2" | 6 | 1 | 730A5737 | 103,04 |
| 1 1/2" x 3/4" | 6 | 1 | 730A5747 | 103,26 |
| 1 1/2" x 1" | 6 | 1 | 730A5757 | 103,26 |
| 1 1/2" x 1 1/4" | 6 | 1 | 730A5767 | 103,50 |
| 2" x 1/2" | 4 | 1 | 730A5838 | 124,72 |
| 2" x 3/4" | 4 | 1 | 730A5848 | 124,72 |
| 2" x 1" | 4 | 1 | 730A5858 | 125,02 |
| 2" x 1 1/4" | 4 | 1 | 730A5868 | 125,32 |
| 2" x 1 1/2" | 4 | 1 | 730A5878 | 125,64 |
| * 2 1/2" x 2" | 2 | 1 | 730A5989 | 274,57 |
| * 3" x 2" | 2 | 1 | 730A5A8A | 308,43 |

Galvanizado

* Bridada


710 TAPAPOROS LARGO



| Ø |  | | COD. | € |
|--------|--|---|----------|-------|
| 1/2" | 17 | 1 | 71005003 | 16,24 |
| 3/4" | 13 | 1 | 71005004 | 17,64 |
| 1" | 11 | 1 | 71005005 | 20,83 |
| 1 1/4" | 9 | 1 | 71005006 | 26,14 |
| 1 1/2" | 7 | 1 | 71005007 | 28,74 |
| 2" | 5 | 1 | 71005008 | 34,87 |
| 2 1/2" | 4 | 1 | 71005009 | 44,78 |
| 3" | 2 | 1 | 7100500A | 48,97 |
| 4" | 1 | | 7100500C | 76,00 |


715 TAPAPOROS CORTO



| Ø |  | | COD. | € |
|--------|--|---|----------|-------|
| 1/2" | 40 | 1 | 71505003 | 7,19 |
| 3/4" | 30 | 1 | 71505004 | 7,92 |
| 1" | 20 | 1 | 71505005 | 10,58 |
| 1 1/4" | 16 | 1 | 71505006 | 13,56 |
| 1 1/2" | 11 | 1 | 71505007 | 16,50 |
| 2" | 8 | 1 | 71505008 | 20,83 |

720 TOMA DE DERIVACIÓN



| Ø |  | | COD. | € |
|---------------|--|---|----------|-------|
| 1/2" x 1/2" | 35 | 1 | 72005033 | 8,80 |
| 3/4" x 1/2" | 30 | 1 | 72005043 | 10,19 |
| 1" x 1/2" | 23 | 1 | 72005053 | 12,85 |
| 1 1/4" x 3/4" | 14 | 1 | 72005064 | 14,77 |
| 1 1/2" x 3/4" | 10 | 1 | 72005074 | 17,30 |
| 2" x 1" | 8 | 1 | 72005085 | 23,48 |

 Galvanizado

SISTEMA **RANURADO**

Fabricados en hierro dúctil según ASTM A-536 grado 65-45-12, con junta de estanqueidad (EPDM grado E según ASTM D-2000) y sus correspondientes elementos de apriete (tornillos y tuercas de acero electrozincados). Se presentan galvanizados en caliente o pintados en rojo.

Aptos para el transporte de fluidos tales como agua, aire exento de aceite y una amplia gama de productos químicos, están certificados para instalaciones contra incendios según los estándares FM Approvals 1920, UL 213 y VdS 2100-06 / 2344.

Las válvulas están certificadas para Servicios Contra incendios de acuerdo a los estándares de FM, UL y VdS.



FM (Factory Mutual Research Corp.)



VdS (Vertrauen durch Sicherheit)



UL (Underwriter's Laboratories, Inc.)



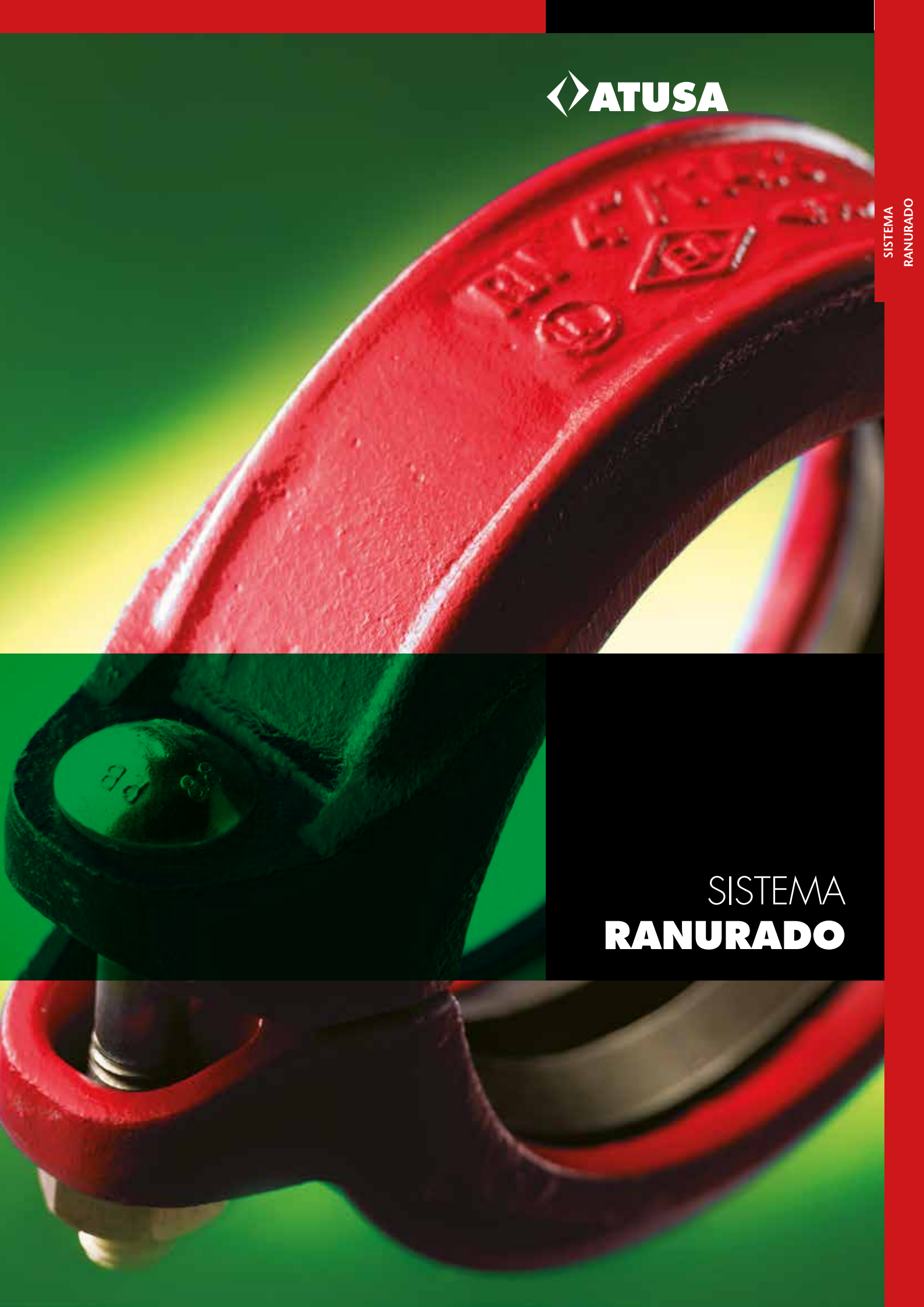
WRAS (Water Regulations Advisory Scheme Ltd.)

EPDM Rubber Approval

 **ATUSA**

SISTEMA
RANURADO

SISTEMA
RANURADO



RN ACOPLAMIENTO RÍGIDO



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|-------|------------------|--------|
| 1" | 33,7 | 25 | 32 | 6RN2G205 | 6,60 | 6RN2G505 | 7,75 |
| 1 1/4" | 42,4 | 32 | 27 | 6RN2G206 | 6,75 | 6RN2G506 | 8,10 |
| 1 1/2" | 48,3 | 40 | 24 | 6RN2G207 | 7,00 | 6RN2G507 | 8,40 |
| 2" | 60,3 | 50 | 16 | 6RN2G208 | 7,40 | 6RN2G508 | 8,95 |
| 2 1/2" | 76,1 | 65 | 12 | 6RN2G20B | 7,55 | 6RN2G50B | 9,25 |
| 3" | 88,9 | 80 | 20 | 6RN2G20A | 11,95 | 6RN2G50A | 14,40 |
| 4" | 114,3 | 100 | 10 | 6RN2G20C | 18,40 | 6RN2G50C | 21,90 |
| 5" | 139,7 | 125 | 8 | 6RN2G20H | 20,75 | 6RN2G50H | 24,45 |
| 6 1/2" O.D | 165,1 | 150 | 5 | 6RN2G20K | 26,15 | 6RN2G50K | 31,75 |
| 6" | 168,3 | 150 | 5 | 6RN2G20E | 26,00 | 6RN2G50E | 31,45 |
| 8" | 219,1 | 200 | 3 | 6RN2G20M | 47,20 | 6RN2G50M | 57,35 |
| 10" | 273,0 | 250 | 3 | 6RN2G20N | 97,30 | 6RN2G50N | 117,70 |
| 12" | 323,9 | 300 | 3 | 6RN2G20Q | 98,15 | 6RN2G50Q | 120,80 |

RS ACOPLAMIENTO RÍGIDO "S" STANDARD



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|-------|------------------|--------|
| 2 1/2" | 76,1 | 65 | 12 | 6RN2G20B | 7,55 | 6RN2G50B | 9,25 |
| 3" | 88,9 | 80 | 20 | 6RS2G20A | 9,35 | 6RS2G50A | 11,40 |
| 4" | 114,3 | 100 | 11 | 6RS2G20C | 14,15 | 6RS2G50C | 17,15 |
| 5" | 139,7 | 125 | 8 | 6RS2G20H | 16,00 | 6RS2G50H | 19,65 |
| 6 1/2" O.D | 165,1 | 150 | 7 | 6RS2G20K | 20,00 | 6RS2G50K | 24,20 |
| 6" | 168,3 | 150 | 7 | 6RS2G20E | 19,85 | 6RS2G50E | 23,85 |
| 8" | 219,1 | 200 | 3 | 6RS2G20M | 37,65 | 6RS2G50M | 45,35 |
| 10" | 273,0 | 250 | 3 | 6RS2G20N | 92,00 | 6RS2G50N | 110,30 |


FN ACOPLAMIENTO FLEXIBLE



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|-------|------------------|--------|
| 1" | 33,7 | 25 | 32 | 6FN2G205 | 6,05 | 6FN2G505 | 6,95 |
| 1 1/4" | 42,4 | 32 | 27 | 6FN2G206 | 6,25 | 6FN2G506 | 7,20 |
| 1 1/2" | 48,3 | 40 | 24 | 6FN2G207 | 6,65 | 6FN2G507 | 7,50 |
| 2" | 60,3 | 50 | 16 | 6FN2G208 | 6,80 | 6FN2G508 | 7,90 |
| 2 1/2" | 76,1 | 65 | 12 | 6FN2G20B | 8,80 | 6FN2G50B | 10,10 |
| 3" | 88,9 | 80 | 20 | 6FN2G20A | 10,75 | 6FN2G50A | 12,35 |
| 4" | 114,3 | 100 | 10 | 6FN2G20C | 16,60 | 6FN2G50C | 19,40 |
| 5" | 139,7 | 125 | 8 | 6FN2G20H | 21,20 | 6FN2G50H | 25,30 |
| 6 1/2" O.D | 165,1 | 150 | 5 | 6FN2G20K | 25,70 | 6FN2G50K | 30,15 |
| 6" | 168,3 | 150 | 5 | 6FN2G20E | 25,55 | 6FN2G50E | 29,95 |
| 8" | 219,1 | 200 | 3 | 6FN2G20M | 45,35 | 6FN2G50M | 51,40 |
| 10" | 273,0 | 250 | 3 | 6FN2G20N | 87,55 | 6FN2G50N | 99,20 |
| 12" | 323,9 | 300 | 3 | 6FN2G20Q | 95,15 | 6FN2G50Q | 109,50 |


FR ACOPLAMIENTO REDUCIDO



| Ø | Ø EXT. mm. | DN |  | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-----------|------------|--------|---|----------------------|-------|------------------|-------|
| 2"x1 1/2" | 60,3x48,3 | 50x40 | 16 | 6FR2G287 | 26,15 | 6FR2G587 | 31,40 |
| 2 1/2"x2" | 76,1x60,3 | 65x50 | 12 | 6FR2G2B8 | 31,40 | 6FR2G5B8 | 37,50 |
| 3"x2" | 88,9x60,3 | 80x50 | 16 | 6FR2G2A8 | 34,85 | 6FR2G5A8 | 41,75 |
| 3"x2 1/2" | 88,9x76,1 | 80x65 | 16 | 6FR2G2AB | 34,85 | 6FR2G5AB | 41,75 |
| 4"x2" | 114,3x60,3 | 100x50 | 8 | 6FR2G2C8 | 46,25 | 6FR2G5C8 | 55,90 |
| 4"x2 1/2" | 114,3x76,1 | 100x65 | 8 | 6FR2G2CB | 46,25 | 6FR2G5CB | 55,90 |
| 4"x3" | 114,3x88,9 | 100x80 | 8 | 6FR2G2CA | 46,25 | 6FR2G5CA | 55,90 |

DS1 DERIVACIÓN SIMPLE ROSCADA



| Ø | Ø EXT. mm. | DN |  | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-------------------|------------|--------|---|----------------------|-------|------------------|-------|
| 1 1/4"x1" | 42,4x33,7 | 32x25 | 30 | 6DS2T265 | 8,40 | 6DS2T565 | 10,10 |
| 1 1/2"x1" | 48,3x33,7 | 40x25 | 30 | 6DS2T275 | 9,25 | 6DS2T575 | 11,15 |
| 2"x1/2" | 60,3x21,3 | 50x15 | 18 | 6DS2T283 | 13,65 | 6DS2T583 | 16,40 |
| 2"x3/4" | 60,3x26,9 | 50x20 | 18 | 6DS2T284 | 13,65 | 6DS2T584 | 16,40 |
| 2"x1" | 60,3x33,7 | 50x25 | 18 | 6DS2T285 | 13,65 | 6DS2T585 | 16,40 |
| 2"x1 1/4" | 60,3x42,4 | 50x32 | 12 | 6DS2T286 | 13,65 | 6DS2T586 | 16,40 |
| 2"x1 1/2" | 60,3x48,3 | 50x40 | 15 | 6DS2T287 | 13,65 | 6DS2T587 | 16,40 |
| 2 1/2"x1/2" | 76,1x21,3 | 65x15 | 10 | 6DS2T2B3 | 17,70 | 6DS2T5B3 | 20,70 |
| 2 1/2"x3/4" | 76,1x26,9 | 65x20 | 10 | 6DS2T2B4 | 17,70 | 6DS2T5B4 | 20,70 |
| 2 1/2"x1" | 76,1x33,7 | 65x25 | 10 | 6DS2T2B5 | 17,70 | 6DS2T5B5 | 20,70 |
| 2 1/2"x1 1/4" | 76,1x42,4 | 65x32 | 8 | 6DS2T2B6 | 17,70 | 6DS2T5B6 | 20,70 |
| 2 1/2"x1 1/2" | 76,1x48,3 | 65x40 | 8 | 6DS2T2B7 | 17,70 | 6DS2T5B7 | 20,70 |
| 3"x1/2" | 88,9x21,3 | 80x15 | 6 | 6DS2T2A3 | 18,25 | 6DS2T5A3 | 21,45 |
| 3"x3/4" | 88,9x26,9 | 80x20 | 6 | 6DS2T2A4 | 18,25 | 6DS2T5A4 | 21,45 |
| 3"x1" | 88,9x33,7 | 80x25 | 6 | 6DS2T2A5 | 18,25 | 6DS2T5A5 | 21,45 |
| 3"x1 1/4" | 88,9x42,4 | 80x32 | 8 | 6DS2T2A6 | 18,25 | 6DS2T5A6 | 21,45 |
| 3"x1 1/2" | 88,9x48,3 | 80x40 | 8 | 6DS2T2A7 | 18,25 | 6DS2T5A7 | 21,45 |
| 3"x2" | 88,9x60,3 | 80x50 | 5 | 6DS2T2A8 | 18,25 | 6DS2T5A8 | 21,45 |
| 4"x1/2" | 114,3x21,3 | 100x15 | 12 | 6DS2T2C3 | 23,25 | 6DS2T5C3 | 26,75 |
| 4"x3/4" | 114,3x26,9 | 100x20 | 12 | 6DS2T2C4 | 23,25 | 6DS2T5C4 | 26,75 |
| 4"x1" | 114,3x33,7 | 100x25 | 12 | 6DS2T2C5 | 23,25 | 6DS2T5C5 | 26,75 |
| 4"x1 1/4" | 114,3x42,4 | 100x32 | 10 | 6DS2T2C6 | 23,65 | 6DS2T5C6 | 27,10 |
| 4"x1 1/2" | 114,3x48,3 | 100x40 | 10 | 6DS2T2C7 | 23,65 | 6DS2T5C7 | 27,10 |
| 4"x2" | 114,3x60,3 | 100x50 | 10 | 6DS2T2C8 | 23,65 | 6DS2T5C8 | 27,10 |
| 4"x2 1/2" | 114,3x76,1 | 100x65 | 8 | 6DS2T2CB | 23,65 | 6DS2T5CB | 27,10 |
| 4"x3" | 114,3x88,9 | 100x80 | 6 | 6DS2T2CA | 23,65 | 6DS2T5CA | 27,10 |
| 5"x1" | 139,7x33,7 | 125x25 | 6 | 6DS2T2H5 | 28,50 | 6DS2T5H5 | 33,85 |
| 5"x2" | 139,7x60,3 | 125x50 | 4 | 6DS2T2H8 | 28,50 | 6DS2T5H8 | 33,85 |
| 6 1/2" O.Dx1 1/2" | 165,1x48,3 | 150x40 | 5 | 6DS2T2K7 | 33,65 | 6DS2T5K7 | 39,55 |
| 6 1/2" O.Dx2" | 165,1x60,3 | 150x50 | 5 | 6DS2T2K8 | 33,65 | 6DS2T5K8 | 39,55 |
| 6 1/2" O.Dx2 1/2" | 165,1x76,1 | 150x65 | 5 | 6DS2T2KB | 33,65 | 6DS2T5KB | 39,55 |
| 6"x1 1/4" | 168,3x42,4 | 150x32 | 5 | 6DS2T2E6 | 34,40 | 6DS2T5E6 | 39,40 |
| 6"x1 1/2" | 168,3x48,3 | 150x40 | 5 | 6DS2T2E7 | 34,40 | 6DS2T5E7 | 39,40 |
| 6"x2" | 168,3x60,3 | 150x50 | 5 | 6DS2T2E8 | 34,40 | 6DS2T5E8 | 39,40 |
| 6"x3" | 168,3x88,9 | 150x80 | 4 | 6DS2T2EA | 34,40 | 6DS2T5EA | 39,40 |
| 8"x2" | 219,1x60,3 | 200x50 | 3 | 6DS2T2M8 | 55,65 | 6DS2T5M8 | 65,95 |
| 10"x2" | 273,0x60,3 | 250x50 | 4 | 6DS2T2N8 | 72,75 | 6DS2T5N8 | 83,30 |
| 10"x2 1/2" | 273,0x76,1 | 250x65 | 4 | 6DS2T2NB | 72,75 | 6DS2T5NB | 83,30 |
| 10"x3" | 273,0x88,9 | 250x80 | 3 | 6DS2T2NA | 72,75 | 6DS2T5NA | 83,30 |

DS2 DERIVACIÓN SIMPLE RANURADA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-------------------|-------------|---------|----|----------------------|-------|------------------|--------|
| 2"x1 1/4" | 60,3x42,4 | 50x32 | 15 | 6DS2G286 | 14,45 | 6DS2G586 | 17,30 |
| 2"x1 1/2" | 60,3x48,3 | 50x40 | 15 | 6DS2G287 | 14,45 | 6DS2G587 | 17,30 |
| 2 1/2"x1" | 76,1x33,7 | 65x25 | 8 | 6DS2G2B5 | 18,65 | 6DS2G5B5 | 21,80 |
| 2 1/2"x1 1/4" | 76,1x42,4 | 65x32 | 8 | 6DS2G2B6 | 18,65 | 6DS2G5B6 | 21,80 |
| 2 1/2"x1 1/2" | 76,1x48,3 | 65x40 | 8 | 6DS2G2B7 | 18,65 | 6DS2G5B7 | 21,80 |
| 3"x1" | 88,9x33,7 | 80x25 | 8 | 6DS2G2A5 | 21,70 | 6DS2G5A5 | 26,45 |
| 3"x1 1/4" | 88,9x42,4 | 80x32 | 8 | 6DS2G2A6 | 21,70 | 6DS2G5A6 | 26,45 |
| 3"x1 1/2" | 88,9x48,3 | 80x40 | 8 | 6DS2G2A7 | 21,70 | 6DS2G5A7 | 26,45 |
| 3"x2" | 88,9x60,3 | 80x50 | 5 | 6DS2G2A8 | 21,70 | 6DS2G5A8 | 26,45 |
| 4"x1 1/4" | 114,3x42,4 | 100x32 | 12 | 6DS2G2C6 | 24,00 | 6DS2G5C6 | 28,60 |
| 4"x1 1/2" | 114,3x48,3 | 100x40 | 10 | 6DS2G2C7 | 24,00 | 6DS2G5C7 | 28,60 |
| 4"x2" | 114,3x60,3 | 100x50 | 10 | 6DS2G2C8 | 24,00 | 6DS2G5C8 | 28,60 |
| 4"x2 1/2" | 114,3x76,1 | 100x65 | 8 | 6DS2G2CB | 24,00 | 6DS2G5CB | 28,60 |
| 4"x3" | 114,3x88,9 | 100x80 | 8 | 6DS2G2CA | 24,00 | 6DS2G5CA | 28,60 |
| 5"x1 1/4" | 139,7x42,4 | 125x32 | 6 | 6DS2G2H6 | 30,00 | 6DS2G5H6 | 36,05 |
| 5"x2" | 139,7x60,3 | 125x50 | 4 | 6DS2G2H8 | 30,00 | 6DS2G5H8 | 36,05 |
| 5"x2 1/2" | 139,7x76,1 | 125x65 | 4 | 6DS2G2HB | 30,00 | 6DS2G5HB | 36,05 |
| 5"x3" | 139,7x88,9 | 125x80 | 4 | 6DS2G2HA | 30,00 | 6DS2G5HA | 36,05 |
| 6 1/2" O.Dx2" | 165,1x60,3 | 150x50 | 5 | 6DS2G2K8 | 40,60 | 6DS2G5K8 | 48,05 |
| 6 1/2" O.Dx2 1/2" | 165,1x76,1 | 150x65 | 5 | 6DS2G2KB | 40,60 | 6DS2G5KB | 48,05 |
| 6"x1 1/4" | 168,3x42,4 | 150x32 | 5 | 6DS2G2E6 | 39,00 | 6DS2G5E6 | 46,85 |
| 6"x1 1/2" | 168,3x48,3 | 150x40 | 5 | 6DS2G2E7 | 39,00 | 6DS2G5E7 | 46,85 |
| 6"x2" | 168,3x60,3 | 150x50 | 5 | 6DS2G2E8 | 39,00 | 6DS2G5E8 | 46,85 |
| 6"x2 1/2" | 168,3x76,1 | 150x65 | 4 | 6DS2G2EB | 39,00 | 6DS2G5EB | 46,85 |
| 6"x3" | 168,3x88,9 | 150x80 | 4 | 6DS2G2EA | 39,00 | 6DS2G5EA | 46,85 |
| 6"x4" | 168,3x114,3 | 150x100 | 4 | 6DS2G2EC | 39,00 | 6DS2G5EC | 46,85 |
| 8"x2" | 219,1x60,3 | 200x50 | 3 | 6DS2G2M8 | 64,50 | 6DS2G5M8 | 78,95 |
| 8"x2 1/2" | 219,1x76,1 | 200x65 | 3 | 6DS2G2MB | 64,50 | 6DS2G5MB | 78,95 |
| 8"x3" | 219,1x88,9 | 200x80 | 3 | 6DS2G2MA | 64,50 | 6DS2G5MA | 78,95 |
| 8"x4" | 219,1x114,3 | 200x100 | 3 | 6DS2G2MC | 64,50 | 6DS2G5MC | 78,95 |
| 10"x4" | 273,0x114,3 | 250x100 | 3 | 6DS2G2NC | 99,20 | 6DS2G5NC | 120,90 |


DA1 DERIVACIÓN ATORNILLADA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-------------|------------|-------|----|----------------------|-------|------------------|-------|
| 1 1/4"x1/2" | 42,4x21,3 | 32x15 | 32 | 6DA2T263 | 7,15 | 6DA2T563 | 8,45 |
| 1 1/4"x3/4" | 42,4x26,9 | 32x20 | 32 | 6DA2T264 | 7,15 | 6DA2T564 | 8,45 |
| 1 1/4"x1" | 42,4x33,7 | 32x25 | 32 | 6DA2T265 | 7,15 | 6DA2T565 | 8,45 |
| 1 1/2"x1/2" | 48,3x21,3 | 40x15 | 32 | 6DA2T273 | 7,60 | 6DA2T573 | 8,80 |
| 1 1/2"x3/4" | 48,3x26,9 | 40x20 | 32 | 6DA2T274 | 7,60 | 6DA2T574 | 8,80 |
| 1 1/2"x1" | 48,3x33,7 | 40x25 | 24 | 6DA2T275 | 7,60 | 6DA2T575 | 8,80 |
| 2"x1/2" | 60,3x21,3 | 50x15 | 30 | 6DA2T283 | 7,75 | 6DA2T583 | 8,90 |
| 2"x3/4" | 60,3x26,9 | 50x20 | 30 | 6DA2T284 | 7,75 | 6DA2T584 | 8,90 |
| 2"x1" | 60,3x33,7 | 50x25 | 20 | 6DA2T285 | 7,75 | 6DA2T585 | 8,90 |
| 2 1/2"x1/2" | 76,1x21,3 | 65x15 | 20 | 6DA2T2B3 | 10,25 | 6DA2T5B3 | 12,10 |
| 2 1/2"x3/4" | 76,1x26,9 | 65x20 | 20 | 6DA2T2B4 | 10,25 | 6DA2T5B4 | 12,10 |
| 2 1/2"x1" | 76,1x33,7 | 65x25 | 20 | 6DA2T2B5 | 10,25 | 6DA2T5B5 | 12,10 |


90 CODO 90°



| Ø | Ø EXT. mm. | DN |  | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|---|----------------------|--------|------------------|--------|
| 1" | 33,7 | 25 | 40 | 60900205 | 3,60 | 60900505 | 4,45 |
| 1 1/4" | 42,4 | 32 | 32 | 60900206 | 4,50 | 60900506 | 5,30 |
| 1 1/2" | 48,3 | 40 | 24 | 60900207 | 5,20 | 60900507 | 6,25 |
| 2" | 60,3 | 50 | 14 | 60900208 | 8,55 | 60900508 | 10,10 |
| 2 1/2" | 76,1 | 65 | 6 | 6090020B | 11,15 | 6090050B | 13,05 |
| 3" | 88,9 | 80 | 4 | 6090020A | 13,15 | 6090050A | 15,65 |
| 4" | 114,3 | 100 | 4 | 6090020C | 20,35 | 6090050C | 24,10 |
| 5" | 139,7 | 125 | 2 | 6090020H | 30,25 | 6090050H | 36,10 |
| 6 1/2" O.D | 165,1 | 150 | 1 | 6090020K | 42,80 | 6090050K | 50,55 |
| 6" | 168,3 | 150 | 1 | 6090020E | 42,50 | 6090050E | 50,30 |
| 8" | 219,1 | 200 | 1 | 6090020M | 86,65 | 6090050M | 102,60 |
| 10" | 273,0 | 250 | 1 | 6090020N | 151,70 | 6090050N | 179,15 |
| 12" | 323,9 | 300 | 1 | 6090020Q | 209,35 | 6090050Q | 248,40 |


90S CODO 90° "S" STANDARD



| Ø | Ø EXT. mm. | DN |  | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|---|----------------------|-------|------------------|-------|
| 2" | 60,3 | 50 | 30 | 6090S208 | 6,65 | 6090S508 | 7,70 |
| 2 1/2" | 76,1 | 65 | 14 | 6090S20B | 8,55 | 6090S50B | 10,10 |
| 3" | 88,9 | 80 | 10 | 6090S20A | 10,60 | 6090S50A | 12,15 |
| 4" | 114,3 | 100 | 10 | 6090S20C | 16,40 | 6090S50C | 19,05 |
| 5" | 139,7 | 125 | 6 | 6090S20H | 24,20 | 6090S50H | 28,35 |
| 6 1/2" O.D | 165,1 | 150 | 4 | 6090S20K | 33,25 | 6090S50K | 39,15 |
| 6" | 168,3 | 150 | 4 | 6090S20E | 32,90 | 6090S50E | 39,05 |
| 8" | 219,1 | 200 | 1 | 6090S20M | 67,85 | 6090S50M | 78,05 |


105 CODO 11,25°



| Ø | Ø EXT. mm. | DN |  | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|---|----------------------|--------|------------------|--------|
| 1 1/4" | 42,4 | 32 | 48 | 61050206 | 4,95 | 61050506 | 5,75 |
| 1 1/2" | 48,3 | 40 | 40 | 61050207 | 5,75 | 61050507 | 6,55 |
| 2" | 60,3 | 50 | 27 | 61050208 | 8,15 | 61050508 | 9,50 |
| 2 1/2" | 76,1 | 65 | 12 | 6105020B | 11,20 | 6105050B | 13,05 |
| 3" | 88,9 | 80 | 12 | 6105020A | 15,95 | 6105050A | 18,70 |
| 4" | 114,3 | 100 | 12 | 6105020C | 27,75 | 6105050C | 32,30 |
| 5" | 139,7 | 125 | 5 | 6105020H | 40,65 | 6105050H | 47,25 |
| 6 1/2" O.D | 165,1 | 150 | 4 | 6105020K | 55,50 | 6105050K | 64,35 |
| 6" | 168,3 | 150 | 4 | 6105020E | 55,50 | 6105050E | 64,35 |
| 8" | 219,1 | 200 | 1 | 6105020M | 110,75 | 6105050M | 128,65 |

110 CODO 22,5°



| Ø | Ø EXT. mm. | DN |  | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|---|----------------------|--------|------------------|--------|
| 1 1/4" | 42,4 | 32 | 40 | 61100206 | 4,95 | 61100506 | 5,75 |
| 1 1/2" | 48,3 | 40 | 40 | 61100207 | 5,75 | 61100507 | 6,55 |
| 2" | 60,3 | 50 | 18 | 61100208 | 8,15 | 61100508 | 9,50 |
| 2 1/2" | 76,1 | 65 | 10 | 6110020B | 11,20 | 6110050B | 13,05 |
| 3" | 88,9 | 80 | 8 | 6110020A | 15,95 | 6110050A | 18,70 |
| 4" | 114,3 | 100 | 6 | 6110020C | 27,75 | 6110050C | 32,30 |
| 5" | 139,7 | 125 | 3 | 6110020H | 40,65 | 6110050H | 47,25 |
| 6 1/2" O.D | 165,1 | 150 | 2 | 6110020K | 55,50 | 6110050K | 64,35 |
| 6" | 168,3 | 150 | 2 | 6110020E | 55,50 | 6110050E | 64,35 |
| 8" | 219,1 | 200 | 1 | 6110020M | 110,75 | 6110050M | 128,65 |

120 CODO 45°



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|--------|------------------|--------|
| 1" | 33,7 | 25 | 40 | 61200205 | 3,90 | 61200505 | 4,75 |
| 1 1/4" | 42,4 | 32 | 36 | 61200206 | 4,35 | 61200506 | 5,05 |
| 1 1/2" | 48,3 | 40 | 36 | 61200207 | 4,85 | 61200507 | 5,80 |
| 2" | 60,3 | 50 | 18 | 61200208 | 6,25 | 61200508 | 7,15 |
| 2 1/2" | 76,1 | 65 | 10 | 6120020B | 8,30 | 6120050B | 9,65 |
| 3" | 88,9 | 80 | 6 | 6120020A | 9,95 | 6120050A | 11,75 |
| 4" | 114,3 | 100 | 6 | 6120020C | 15,20 | 6120050C | 17,85 |
| 5" | 139,7 | 125 | 3 | 6120020H | 25,05 | 6120050H | 28,85 |
| 6 1/2" O.D | 165,1 | 150 | 2 | 6120020K | 31,00 | 6120050K | 36,10 |
| 6" | 168,3 | 150 | 2 | 6120020E | 30,90 | 6120050E | 35,75 |
| 8" | 219,1 | 200 | 1 | 6120020M | 67,85 | 6120050M | 78,05 |
| 10" | 273,0 | 250 | 1 | 6120020N | 140,20 | 6120050N | 162,15 |
| 12" | 323,9 | 300 | 1 | 6120020Q | 236,95 | 6120050Q | 279,45 |

240 REDUCCIÓN CONCÉNTRICA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-------------------|-------------|---------|----|----------------------|--------|------------------|--------|
| 1 1/4"x1" | 42,4x33,7 | 32x25 | 60 | 62400265 | 6,90 | 62400565 | 9,45 |
| 1 1/2"x1" | 48,3x33,7 | 40x25 | 50 | 62400275 | 7,70 | 62400575 | 10,05 |
| 1 1/2"x1 1/4" | 48,3x42,4 | 40x32 | 50 | 62400276 | 7,70 | 62400576 | 10,05 |
| 2"x1" | 60,3x33,7 | 50x25 | 36 | 62400285 | 8,55 | 62400585 | 10,85 |
| 2"x1 1/4" | 60,3x42,4 | 50x32 | 36 | 62400286 | 8,55 | 62400586 | 10,85 |
| 2"x1 1/2" | 60,3x48,3 | 50x40 | 36 | 62400287 | 8,55 | 62400587 | 10,85 |
| 2 1/2"x1" | 76,1x33,7 | 65x25 | 18 | 624002B5 | 11,25 | 624005B5 | 14,30 |
| 2 1/2"x1 1/4" | 76,1x42,4 | 65x32 | 18 | 624002B6 | 11,25 | 624005B6 | 14,30 |
| 2 1/2"x1 1/2" | 76,1x48,3 | 65x40 | 18 | 624002B7 | 11,25 | 624005B7 | 14,30 |
| 2 1/2"x2" | 76,1x60,3 | 65x50 | 18 | 624002B8 | 11,25 | 624005B8 | 14,30 |
| 3"x1" | 88,9x33,7 | 80x25 | 21 | 624002A5 | 12,60 | 624005A5 | 15,40 |
| 3"x1 1/4" | 88,9x42,4 | 80x32 | 21 | 624002A6 | 12,60 | 624005A6 | 15,40 |
| 3"x1 1/2" | 88,9x48,3 | 80x40 | 21 | 624002A7 | 12,60 | 624005A7 | 15,40 |
| 3"x2" | 88,9x60,3 | 80x50 | 21 | 624002A8 | 12,60 | 624005A8 | 15,40 |
| 3"x 2 1/2" | 88,9x76,1 | 80x65 | 18 | 624002AB | 12,60 | 624005AB | 15,40 |
| 4"x1 1/4" | 114,3x42,4 | 100x32 | 24 | 624002C6 | 15,80 | 624005C6 | 19,20 |
| 4"x1 1/2" | 114,3x48,3 | 100x40 | 24 | 624002C7 | 15,80 | 624005C7 | 19,20 |
| 4"x2" | 114,3x60,3 | 100x50 | 24 | 624002C8 | 15,80 | 624005C8 | 19,20 |
| 4"x 2 1/2" | 114,3x76,1 | 100x65 | 24 | 624002CB | 15,80 | 624005CB | 19,20 |
| 4"x3" | 114,3x88,9 | 100x80 | 18 | 624002CA | 15,80 | 624005CA | 19,20 |
| 5"x4" | 139,7x114,3 | 125x100 | 4 | 624002HC | 23,85 | 624005HC | 28,45 |
| 6 1/2" O.Dx2 1/2" | 165,1x76,1 | 150x65 | 7 | 624002KB | 30,55 | 624005KB | 36,40 |
| 6 1/2" O.Dx3" | 165,1x88,9 | 150x80 | 7 | 624002KA | 30,55 | 624005KA | 36,40 |
| 6 1/2" O.Dx4" | 165,1x114,3 | 150x100 | 7 | 624002KC | 30,55 | 624005KC | 36,40 |
| 6 1/2" O.Dx5" | 165,1x139,7 | 150x125 | 4 | 624002KH | 30,55 | 624005KH | 36,40 |
| 6"x2" | 168,3x60,3 | 150x50 | 7 | 624002E8 | 30,55 | 624005E8 | 36,40 |
| 6"x2 1/2" | 168,3x76,1 | 150x65 | 7 | 624002EB | 30,55 | 624005EB | 36,40 |
| 6"x3" | 168,3x88,9 | 150x80 | 7 | 624002EA | 30,55 | 624005EA | 36,40 |
| 6"x4" | 168,3x114,3 | 150x100 | 7 | 624002EC | 30,55 | 624005EC | 36,40 |
| 6"x5" | 168,3x139,7 | 150x125 | 4 | 624002EH | 30,55 | 624005EH | 36,40 |
| 8"x3" | 219,1x88,9 | 200x80 | 4 | 624002MA | 46,10 | 624005MA | 55,15 |
| 8"x4" | 219,1x114,3 | 200x100 | 4 | 624002MC | 46,10 | 624005MC | 55,15 |
| 8"x5" | 219,1x139,7 | 200x125 | 3 | 624002MH | 46,10 | 624005MH | 55,15 |
| 8"x6 1/2" O.D | 219,1x165,1 | 200x150 | 3 | 624002MK | 46,10 | 624005MK | 55,15 |
| 8"x6" | 219,1x168,3 | 200x150 | 4 | 624002ME | 46,10 | 624005ME | 55,15 |
| 10"x6" | 273,0x168,3 | 250x150 | 1 | 624002NE | 88,25 | 624005NE | 106,45 |
| 10"x8" | 273,0x219,1 | 250x200 | 1 | 624002NM | 88,25 | 624005NM | 106,45 |
| 12"x8" | 323,9x219,1 | 300x200 | 1 | 624002QM | 183,65 | 624005QM | 264,25 |
| 12"x10" | 323,9x273,0 | 300x250 | 1 | 624002QN | 189,70 | 624005QN | 271,05 |

130 TE



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|--------|------------------|--------|
| 1" | 33,7 | 25 | 42 | 61300205 | 5,40 | 61300505 | 6,50 |
| 1 1/4" | 42,4 | 32 | 22 | 61300206 | 6,35 | 61300506 | 7,35 |
| 1 1/2" | 48,3 | 40 | 18 | 61300207 | 8,00 | 61300507 | 9,55 |
| 2" | 60,3 | 50 | 8 | 61300208 | 12,40 | 61300508 | 14,90 |
| 2 1/2" | 76,1 | 65 | 7 | 6130020B | 16,50 | 6130050B | 19,45 |
| 3" | 88,9 | 80 | 5 | 6130020A | 20,00 | 6130050A | 23,85 |
| 4" | 114,3 | 100 | 3 | 6130020C | 30,90 | 6130050C | 37,05 |
| 5" | 139,7 | 125 | 1 | 6130020H | 49,90 | 6130050H | 59,95 |
| 6 1/2" O.D | 165,1 | 150 | 1 | 6130020K | 71,80 | 6130050K | 86,00 |
| 6" | 168,3 | 150 | 2 | 6130020E | 71,45 | 6130050E | 85,75 |
| 8" | 219,1 | 200 | 1 | 6130020M | 129,80 | 6130050M | 153,10 |
| 10" | 273,0 | 250 | 1 | 6130020N | 252,85 | 6130050N | 303,30 |
| 12" | 323,9 | 300 | 1 | 6130020Q | 346,75 | 6130050Q | 411,70 |

SISTEMA
RANURADO

130S TE "S" STANDARD



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|--------|------------------|--------|
| 2" | 60,3 | 50 | 18 | 6130S208 | 9,65 | 6130S508 | 11,45 |
| 2 1/2" | 76,1 | 65 | 10 | 6130S20B | 12,90 | 6130S50B | 15,20 |
| 3" | 88,9 | 80 | 6 | 6130S20A | 15,85 | 6130S50A | 18,80 |
| 4" | 114,3 | 100 | 6 | 6130S20C | 24,45 | 6130S50C | 28,85 |
| 5" | 139,7 | 125 | 4 | 6130S20H | 39,70 | 6130S50H | 47,60 |
| 6 1/2" O.D | 165,1 | 150 | 2 | 6130S20K | 56,30 | 6130S50K | 66,75 |
| 6" | 168,3 | 150 | 2 | 6130S20E | 56,05 | 6130S50E | 66,45 |
| 8" | 219,1 | 200 | 1 | 6130S20M | 101,15 | 6130S50M | 119,30 |

130R TE REDUCIDA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-------------------|-------------|---------|---|----------------------|--------|------------------|--------|
| 2"x1" | 60,3x33,7 | 50x25 | 8 | 61300285 | 17,90 | 61300585 | 21,10 |
| 2"x1 1/2" | 60,3x48,3 | 50x40 | 8 | 61300287 | 17,90 | 61300587 | 21,10 |
| 2 1/2"x1 1/4" | 76,1x42,4 | 65x32 | 7 | 613002B6 | 22,55 | 613005B6 | 26,75 |
| 2 1/2"x1 1/2" | 76,1x48,3 | 65x40 | 7 | 613002B7 | 22,55 | 613005B7 | 26,75 |
| 2 1/2"x2" | 76,1x60,3 | 65x50 | 7 | 613002B8 | 22,55 | 613005B8 | 26,75 |
| 3"x1" | 88,9x33,7 | 80x25 | 5 | 613002A5 | 27,20 | 613005A5 | 32,85 |
| 3"x1 1/4" | 88,9x42,4 | 80x32 | 5 | 613002A6 | 27,20 | 613005A6 | 32,85 |
| 3"x1 1/2" | 88,9x48,3 | 80x40 | 5 | 613002A7 | 27,20 | 613005A7 | 32,85 |
| 3"x2" | 88,9x60,3 | 80x50 | 5 | 613002A8 | 27,20 | 613005A8 | 32,85 |
| 3"x2 1/2" | 88,9x76,1 | 80x65 | 5 | 613002AB | 27,20 | 613005AB | 32,85 |
| 4"x1 1/2" | 114,3x48,3 | 100x40 | 3 | 613002C7 | 46,30 | 613005C7 | 55,20 |
| 4"x2" | 114,3x60,3 | 100x50 | 3 | 613002C8 | 46,30 | 613005C8 | 55,20 |
| 4"x2 1/2" | 114,3x76,1 | 100x65 | 3 | 613002CB | 46,30 | 613005CB | 55,20 |
| 4"x3" | 114,3x88,9 | 100x80 | 2 | 613002CA | 46,30 | 613005CA | 55,20 |
| 5"x4" | 139,7x114,3 | 125x100 | 1 | 613002HC | 61,75 | 613005HC | 73,60 |
| 6 1/2" O.Dx2" | 165,1x60,3 | 150x50 | 1 | 613002K8 | 90,40 | 613005K8 | 107,65 |
| 6 1/2" O.Dx2 1/2" | 165,1x76,1 | 150x65 | 1 | 613002KB | 90,40 | 613005KB | 107,65 |
| 6 1/2" O.Dx3" | 165,1x88,9 | 150x80 | 1 | 613002KA | 90,40 | 613005KA | 107,65 |
| 6 1/2" O.Dx4" | 165,1x114,3 | 150x100 | 1 | 613002KC | 90,40 | 613005KC | 107,65 |
| 6 1/2" O.Dx5" | 165,1x139,7 | 150x125 | 1 | 613002KH | 90,40 | 613005KH | 107,65 |
| 6"x2" | 168,3x60,3 | 150x50 | 1 | 613002E8 | 90,40 | 613005E8 | 107,65 |
| 6"x2 1/2" | 168,1x76,1 | 150x65 | 1 | 613002EB | 90,40 | 613005EB | 107,65 |
| 6"x3" | 168,3x88,9 | 150x80 | 1 | 613002EA | 90,40 | 613005EA | 107,65 |
| 6"x4" | 168,3x114,3 | 150x100 | 1 | 613002EC | 90,40 | 613005EC | 107,65 |
| 6"x5" | 168,3x139,7 | 150x125 | 1 | 613002EH | 90,40 | 613005EH | 107,65 |
| 8"x3" | 219,1x88,9 | 200x80 | 1 | 613002MA | 183,15 | 613005MA | 217,40 |
| 8"x4" | 219,1x114,3 | 200x100 | 1 | 613002MC | 183,15 | 613005MC | 217,40 |
| 8"x5" | 219,1x139,7 | 200x125 | 1 | 613002MH | 183,15 | 613005MH | 217,40 |
| 10"x6" | 273,0x168,3 | 250x150 | 1 | 613002NE | 350,40 | 613005NE | 421,95 |

180 CRUZ



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|--------|------------|-----|---|----------------------|--------|------------------|--------|
| 1 1/2" | 48,3 | 40 | 8 | 61800207 | 17,40 | 61800507 | 19,65 |
| 2" | 60,3 | 50 | 4 | 61800208 | 25,20 | 61800508 | 28,40 |
| 2 1/2" | 76,1 | 65 | 2 | 6180020B | 31,65 | 6180050B | 35,65 |
| 3" | 88,9 | 80 | 2 | 6180020A | 41,45 | 6180050A | 46,90 |
| 4" | 114,3 | 100 | 1 | 6180020C | 66,20 | 6180050C | 75,50 |
| 5" | 139,7 | 125 | 1 | 6180020H | 101,20 | 6180050H | 116,40 |
| 6" | 168,3 | 150 | 1 | 6180020E | 135,35 | 6180050E | 155,60 |

300 TAPA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|-----|----------------------|--------|------------------|--------|
| 1" | 33,7 | 25 | 165 | 63000205 | 2,30 | 63000505 | 2,65 |
| 1 1/4" | 42,4 | 32 | 160 | 63000206 | 2,40 | 63000506 | 2,90 |
| 1 1/2" | 48,3 | 40 | 160 | 63000207 | 2,60 | 63000507 | 3,10 |
| 2" | 60,3 | 50 | 96 | 63000208 | 4,05 | 63000508 | 4,75 |
| 2 1/2" | 76,1 | 65 | 52 | 6300020B | 5,40 | 6300050B | 6,35 |
| 3" | 88,9 | 80 | 36 | 6300020A | 6,20 | 6300050A | 7,30 |
| 4" | 114,3 | 100 | 20 | 6300020C | 9,90 | 6300050C | 11,50 |
| 5" | 139,7 | 125 | 12 | 6300020H | 13,35 | 6300050H | 15,95 |
| 6 1/2" O.D | 165,1 | 150 | 10 | 6300020K | 19,95 | 6300050K | 23,75 |
| 6" | 168,3 | 150 | 10 | 6300020E | 19,65 | 6300050E | 23,45 |
| 8" | 219,1 | 200 | 1 | 6300020M | 30,95 | 6300050M | 36,85 |
| 10" | 273,0 | 250 | 1 | 6300020N | 63,60 | 6300050N | 74,80 |
| 12" | 323,9 | 300 | 1 | 6300020Q | 108,05 | 6300050Q | 127,65 |

315 TAPA ROSCA (2") CONCÉNTRICA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|---------------|------------|--------|----|----------------------|-------|------------------|-------|
| 2 1/2"x2" | 76,1x60,3 | 65x50 | 52 | 631502B8 | 6,90 | 631505B8 | 8,00 |
| 3"x2" | 88,9x60,3 | 80x50 | 36 | 631502A8 | 8,10 | 631505A8 | 9,30 |
| 4"x2" | 114,3x60,3 | 100x50 | 20 | 631502C8 | 12,50 | 631505C8 | 14,95 |
| 5"x2" | 139,7x60,3 | 125x50 | 12 | 631502H8 | 18,80 | 631505H8 | 21,75 |
| 6 1/2" O.Dx2" | 165,1x60,3 | 150x50 | 10 | 631502K8 | 27,95 | 631505K8 | 32,05 |
| 6"x2" | 168,3x60,3 | 150x50 | 10 | 631502E8 | 27,30 | 631505E8 | 31,40 |

316 TAPA ROSCA (2") EXCÉNTRICA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|-------|------------|--------|----|----------------------|-------|------------------|-------|
| 3"x2" | 88,9x60,3 | 80x50 | 36 | 631602A8 | 8,45 | 631605A8 | 9,65 |
| 4"x2" | 114,3x60,3 | 100x50 | 20 | 631602C8 | 13,45 | 631605C8 | 15,35 |
| 5"x2" | 139,7x60,3 | 125x50 | 12 | 631602H8 | 19,95 | 631605H8 | 22,75 |
| 6"x2" | 168,3x60,3 | 150x50 | 10 | 631602E8 | 25,35 | 631605E8 | 29,95 |
| 8"x2" | 219,1x60,3 | 200x50 | 3 | 631602M8 | 37,80 | 631605M8 | 43,00 |

321 BRIDA ADAPTADORA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|--------|------------------|--------|
| 1" | 33,7 | 25 | 12 | 63210205 | 20,20 | 63210505 | 24,10 |
| 1 1/4" | 42,4 | 32 | 10 | 63210206 | 21,60 | 63210506 | 25,80 |
| 1 1/2" | 48,3 | 40 | 8 | 63210207 | 22,35 | 63210507 | 26,50 |
| 2" | 60,3 | 50 | 4 | 63210208 | 23,85 | 63210508 | 28,25 |
| 2 1/2" | 76,1 | 65 | 4 | 6321020B | 27,10 | 6321050B | 32,05 |
| 3" | 88,9 | 80 | 5 | 6321020A | 29,50 | 6321050A | 34,85 |
| 4" | 114,3 | 100 | 4 | 6321020C | 37,30 | 6321050C | 44,15 |
| 5" | 139,7 | 125 | 2 | 6321020H | 50,20 | 6321050H | 59,50 |
| 6 1/2" O.D | 165,1 | 150 | 4 | 6321020K | 59,90 | 6321050K | 70,20 |
| 6" | 168,3 | 150 | 4 | 6321020E | 59,55 | 6321050E | 70,00 |
| 8" | 219,1 | 200 | 1 | 6321020M | 91,70 | 6321050M | 108,25 |
| 10" | 273,0 | 250 | 1 | 6321020N | 148,65 | 6321050N | 176,20 |
| 12" | 323,9 | 300 | 1 | 6321020Q | 315,50 | 6321050Q | 374,05 |
| 8" PN10 | 219,1 | 200 | 1 | 6321120M | 88,10 | 6321150M | 101,65 |
| 10" PN10 | 273,0 | 250 | 1 | 6321120N | 142,30 | 6321150N | 162,60 |
| 12" PN10 | 323,9 | 300 | 1 | 6321120Q | 308,90 | 6321150Q | 349,60 |

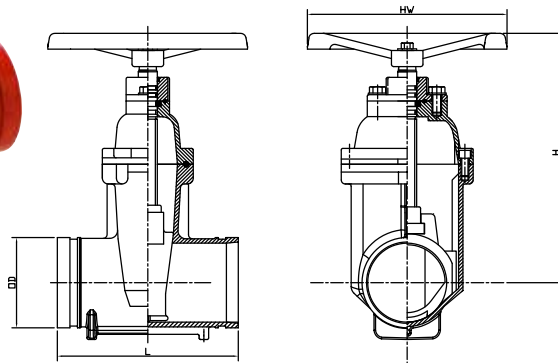
322 BRIDA PARTIDA



| Ø | Ø EXT. mm. | DN | | COD. ROJO (RAL 3000) | € | COD. GALVANIZADO | € |
|------------|------------|-----|----|----------------------|--------|------------------|--------|
| 1 1/2" | 48,3 | 40 | 16 | 63220207 | 19,00 | 63220507 | 21,85 |
| 2" | 60,3 | 50 | 14 | 63220208 | 23,10 | 63220508 | 26,50 |
| 2 1/2" | 76,1 | 65 | 12 | 6322020B | 24,75 | 6322050B | 28,45 |
| 3" | 88,9 | 80 | 12 | 6322020A | 28,30 | 6322050A | 32,50 |
| 4" | 114,3 | 100 | 10 | 6322020C | 35,95 | 6322050C | 41,30 |
| 5" | 139,7 | 125 | 7 | 6322020H | 48,40 | 6322050H | 55,65 |
| 6 1/2" O.D | 165,1 | 150 | 7 | 6322020K | 55,60 | 6322050K | 63,90 |
| 6" | 168,3 | 150 | 7 | 6322020E | 60,30 | 6322050E | 69,40 |
| 8" | 219,1 | 200 | 2 | 6322020M | 105,70 | 6322050M | 121,55 |
| 10" | 273,0 | 250 | 2 | 6322020N | 176,20 | 6322050N | 202,55 |
| 12" | 323,9 | 300 | 2 | 6322020Q | 298,10 | 6322050Q | 342,80 |

600 VÁLVULA COMPUERTA RANURADA (Volante, NRS)


| TUBO DE ACERO | | | DIMENSIONES | | | COD. | € |
|---------------|---------|-----|-------------|-------|----------|----------|----------|
| Ø | Ø D mm. | DN | L mm. | H mm. | Ø HW mm. | | |
| 2" | 60,3 | 50 | 178 | 218 | 180 | 6V600208 | 151,95 |
| 2 1/2" | 76,1 | 65 | 190 | 230 | 180 | 6V60020B | 181,25 |
| 3" | 88,9 | 80 | 203 | 281 | 200 | 6V60020A | 265,40 |
| 4" | 114,3 | 100 | 229 | 316 | 254 | 6V60020C | 358,15 |
| 5" | 139,7 | 125 | 254 | 393 | 280 | 6V60020H | 787,25 |
| 6" | 168,3 | 150 | 267 | 420 | 305 | 6V60020E | 817,70 |
| 8" | 219,1 | 200 | 292 | 490 | 350 | 6V60020M | 1.121,00 |


CARACTERÍSTICAS TÉCNICAS

Fabricación s/ BS 5163.
 Ranuras s/ ISO 6182.
 Presiones de servicio: PN16 (230 PSI; 1.6 MPa).
 Temperaturas de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por UL y FM.

COMPONENTES

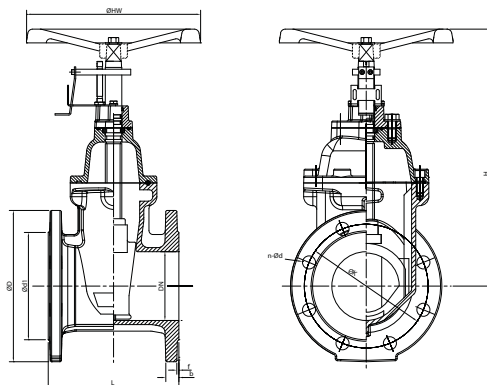
Cuerpo y tapa: fundición dúctil EN-GJS-450-10
Cuña compuerta: fundición dúctil EN-GJS-450-10
Recubrimiento cuña: EPDM
Eje: acero inoxidable 2Cr13
O-Ring: NBR
Volante: fundición dúctil EN-GJS-450-10
Prensaestopa: fundición dúctil EN-GJS-450-10


660 VÁLVULA COMPUERTA BRIDADA (Volante, NRS)


(Ref. 6VSWITC1), ver página 44.

* Posibilidad de incorporar dispositivo electrónico de control de apertura.

| TUBO DE ACERO | | | DIMENSIONES | | | | | | | | | COD. | € |
|---------------|---------|-----|-------------|-------|-------|--------|-------|--------|-------|-------|----------|----------|----------|
| Ø | Ø D mm. | DN | L (F4) mm. | D mm. | K mm. | d1 mm. | H mm. | HW mm. | b mm. | f mm. | n-Ød mm. | | |
| 2" | 60,3 | 50 | 150 | 165 | 125 | 99 | 282 | 180 | 19,0 | 3 | 4x19 | 6V660208 | 352,60 |
| 2 1/2" | 76,1 | 65 | 170 | 185 | 145 | 118 | 290 | 180 | 19,0 | 3 | 4x19 | 6V66020B | 391,55 |
| 3" | 88,9 | 80 | 180 | 200 | 160 | 132 | 331 | 200 | 19,0 | 3 | 8x19 | 6V66020A | 437,35 |
| 4" | 114,3 | 100 | 190 | 220 | 180 | 156 | 366 | 254 | 19,0 | 3 | 8x19 | 6V66020C | 569,05 |
| 5" | 139,7 | 125 | 200 | 250 | 210 | 184 | 447 | 280 | 19,0 | 3 | 8x19 | 6V66020H | 921,65 |
| 6" | 168,3 | 150 | 210 | 285 | 240 | 211 | 490 | 305 | 19,0 | 3 | 8x23 | 6V66020E | 1.059,05 |
| 8" | 219,1 | 200 | 230 | 340 | 295 | 266 | 560 | 350 | 20,0 | 3 | 12x23 | 6V66020M | 1.396,80 |
| 10" | 273,0 | 250 | 250 | 405 | 355 | 319 | 706 | 450 | 22,0 | 3 | 12x28 | 6V66020N | 2.518,80 |
| 12" | 329,9 | 300 | 270 | 460 | 410 | 370 | 802 | 450 | 24,5 | 4 | 12x28 | 6V66020Q | 3.892,65 |


CARACTERÍSTICAS TÉCNICAS

Conexiones bridadas según EN 1092-2.
 Presión de servicio: PN10/16 (150/230 PSI; 1.0/1.6 MPa).
 Temperatura de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por VdS, UL y FM.

COMPONENTES

Cuerpo y tapa: fundición dúctil EN-GJS-450-10
Cuña compuerta: fundición dúctil EN-GJS-450-10
Recubrimiento cuña: EPDM
Eje*: acero inoxidable 2Cr13
O-Ring: NBR
Volante: fundición dúctil EN-GJS-450-10
Prensaestopa: fundición dúctil EN-GJS-450-10



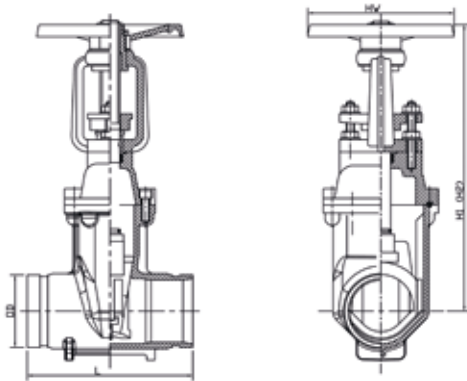
610 VÁLVULA COMPUERTA RANURADA (Volante, RS - Husillo Ascendente pre-Ranurado)



(Ref. 6VSWITC2), ver página 44.

* Posibilidad de incorporar dispositivo electrónico de control de apertura.

| TUBO DE ACERO | | | DIMENSIONES | | | | COD. | € |
|---------------|---------|-----|-------------|----------------|----------------|----------|----------|--------|
| Ø | Ø D mm. | DN | L mm. | H1 CERRADA mm. | H2 ABIERTA mm. | Ø HW mm. | | |
| 2" | 60,3 | 50 | 178 | 323 | 373 | 180 | 6V610208 | 195,20 |
| 2 1/2" | 76,1 | 65 | 190 | 343 | 408 | 180 | 6V61020B | 231,85 |
| 3" | 88,9 | 80 | 203 | 370 | 450 | 200 | 6V61020A | 266,60 |
| 4" | 114,3 | 100 | 229 | 442 | 542 | 254 | 6V61020C | 357,55 |
| 5" | 139,7 | 125 | 254 | 540 | 665 | 280 | 6V61020H | 679,95 |
| 6" | 168,3 | 150 | 267 | 608 | 758 | 305 | 6V61020E | 706,30 |
| 8" | 219,1 | 200 | 292 | 720 | 920 | 350 | 6V61020M | 972,35 |



CARACTERÍSTICAS TÉCNICAS

Fabricación s/ BS 5163.
 Ranuras s/ ISO 6182.
 Presiones de servicio: PN16 (230 PSI; 1.6 MPa).
 Temperaturas de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por UL y FM.

COMPONENTES

Cuerpo, tapa y balancín: fundición dúctil EN-GJS-450-10
Cuña compuerta: fundición dúctil EN-GJS-450-10
Recubrimiento cuña: EPDM
Eje*: acero inoxidable 2Cr13
O-Ring: NBR
Volante: fundición dúctil EN-GJS-450-10
Prensaestopa: fundición dúctil EN-GJS-450-10

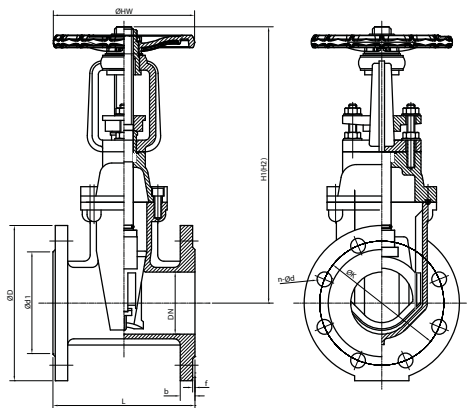
670 VÁLVULA COMPUERTA BRIDADA (Volante, RS, Husillo Ascendente pre-Ranurado)



(Ref. 6VSWITC2), ver página 44.

* Posibilidad de incorporar dispositivo electrónico de control de apertura.

| TUBO DE ACERO | | | | | | | DIMENSIONES | | | | | | | COD. | € |
|---------------|---------|-----|------------|-------|-------|--------|----------------|----------------|--------|-------|-------|----------|----------|----------|---|
| Ø | Ø D mm. | DN | L (F4) mm. | D mm. | K mm. | d1 mm. | H1 CERRADA mm. | H2 ABIERTA mm. | HW mm. | b mm. | f mm. | n-Ød mm. | | | |
| 2" | 60,3 | 50 | 150 | 165 | 125 | 99 | 323 | 373 | 180 | 19,0 | 3 | 4x19 | 6V670208 | 429,35 | |
| 2 1/2" | 76,1 | 65 | 170 | 185 | 145 | 118 | 343 | 408 | 180 | 19,0 | 3 | 4x19 | 6V67020B | 480,85 | |
| 3" | 88,9 | 80 | 180 | 200 | 160 | 132 | 370 | 450 | 200 | 19,0 | 3 | 8x19 | 6V67020A | 520,95 | |
| 4" | 114,3 | 100 | 190 | 220 | 180 | 156 | 442 | 542 | 254 | 19,0 | 3 | 8x19 | 6V67020C | 652,60 | |
| 5" | 139,7 | 125 | 200 | 250 | 210 | 184 | 540 | 665 | 280 | 19,0 | 3 | 8x19 | 6V67020H | 1.104,85 | |
| 6" | 168,3 | 150 | 210 | 285 | 240 | 211 | 608 | 758 | 305 | 19,0 | 3 | 8x23 | 6V67020E | 1.259,40 | |
| 8" | 219,1 | 200 | 230 | 340 | 295 | 266 | 720 | 920 | 350 | 20,0 | 3 | 12x23 | 6V67020M | 1.660,10 | |
| 10" | 273,0 | 250 | 250 | 405 | 355 | 319 | 940 | 1190 | 450 | 22,0 | 3 | 12x28 | 6V67020N | 3.262,95 | |
| 12" | 329,9 | 300 | 270 | 460 | 410 | 370 | 1065 | 1365 | 450 | 24,5 | 4 | 12x28 | 6V67020Q | 4.694,10 | |



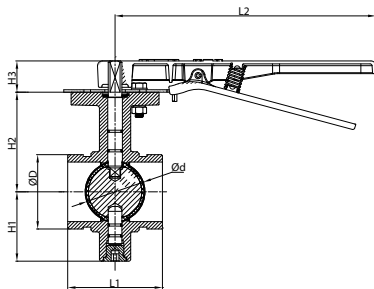
CARACTERÍSTICAS TÉCNICAS

Conexiones bridadas según EN 1092-2.
 Presión de servicio: PN10/16 (150/230 PSI; 1.0/1.6 MPa).
 Temperatura de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por VdS, UL y FM.

COMPONENTES

Cuerpo, tapa y balancín: fundición dúctil EN-GJS-450-10
Cuña compuerta: fundición dúctil EN-GJS-450-10
Recubrimiento cuña: EPDM
Eje*: acero inoxidable 2Cr13
O-Ring: NBR
Volante: fundición dúctil EN-GJS-450-10
Prensaestopa: fundición dúctil EN-GJS-450-10

620 VÁLVULA MARIPOSA RANURADA (MANETA)



| TUBO DE ACERO | | | DIMENSIONES | | | | | | COD. | € |
|---------------|---------|-----|-------------|--------|--------|--------|--------|--------|----------|--------|
| Ø | Ø D mm. | DN | Ø d mm. | H1 mm. | H2 mm. | H3 mm. | L1 mm. | L2 mm. | | |
| 2" | 60,3 | 50 | 50,3 | 65 | 89 | 32 | 81 | 267 | 6V620208 | 70,20 |
| 2 1/2" | 76,1 | 65 | 60,8 | 71 | 102 | 32 | 97 | 267 | 6V62020B | 90,90 |
| 3" | 88,9 | 80 | 76,0 | 81 | 109 | 32 | 97 | 267 | 6V62020A | 98,25 |
| 4" | 114,3 | 100 | 98,5 | 95 | 128 | 32 | 116 | 267 | 6V62020C | 133,60 |
| 5" | 139,7 | 125 | 122,6 | 111 | 141 | 32 | 148 | 267 | 6V62020H | 179,95 |
| 6" | 168,3 | 150 | 148,0 | 133 | 153 | 32 | 148 | 267 | 6V62020E | 248,35 |
| 8" | 219,1 | 200 | 199,0 | 164 | 184 | 45 | 133 | 356 | 6V62020M | 488,80 |

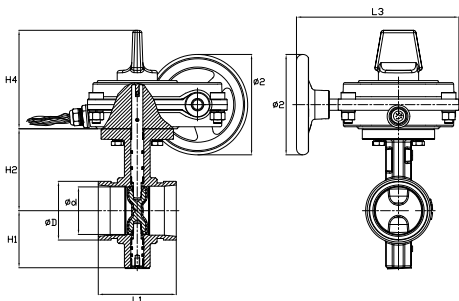
CARACTERÍSTICAS TÉCNICAS

Fabricación s/ MSS SP-67.
 Ranuras s/ ISO 6182.
 Brida montaje actuador: ISO 5211.
 Presiones de servicio: PN16 (230 PSI; 1.6 MPa).
 Temperaturas de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.

COMPONENTES

Cuerpo: fundición dúctil EN-GJS-450-10
Disco: fundición dúctil EN-GJS-450-10
Recubrimiento disco: EPDM
Maneta: fundición dúctil EN-GJS-450-10
O-Ring: NBR
Eje: acero inoxidable SS431

630 VÁLVULA MARIPOSA RANURADA (VOLANTE)



| TUBO DE ACERO | | | DIMENSIONES | | | | | | | COD. | € |
|---------------|---------|-----|-------------|---------|--------|--------|--------|--------|--------|----------|----------|
| Ø | Ø D mm. | DN | Ø d mm. | Ø 2 mm. | H1 mm. | H2 mm. | H4 mm. | L1 mm. | L3 mm. | | |
| 2" | 60,3 | 50 | 50,3 | 125 | 65 | 89 | 123 | 81 | 202 | 6V630208 | 191,80 |
| 2 1/2" | 76,1 | 65 | 60,8 | 125 | 71 | 102 | 123 | 97 | 202 | 6V63020B | 206,60 |
| 3" | 88,9 | 80 | 76,0 | 125 | 81 | 109 | 123 | 97 | 202 | 6V63020A | 216,25 |
| 4" | 114,3 | 100 | 98,5 | 125 | 95 | 128 | 123 | 116 | 202 | 6V63020C | 245,85 |
| 5" | 139,7 | 125 | 122,6 | 125 | 111 | 141 | 123 | 148 | 202 | 6V63020H | 284,15 |
| 6" | 168,3 | 150 | 148,0 | 225 | 133 | 153 | 123 | 148 | 202 | 6V63020E | 358,15 |
| 8" | 219,1 | 200 | 199,0 | 225 | 164 | 184 | 123 | 133 | 260 | 6V63020M | 724,30 |
| 10" | 273,0 | 250 | 252,0 | 225 | 196 | 216 | 123 | 159 | 260 | 6V63020N | 1.058,95 |

CARACTERÍSTICAS TÉCNICAS

Fabricación s/ MSS SP-67.
 Ranuras s/ ISO 6182.
 Brida montaje actuador: ISO 5211.
 Presiones de servicio: PN16 (230 PSI; 1.6 MPa).
 Temperaturas de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por VdS, UL y FM.

COMPONENTES

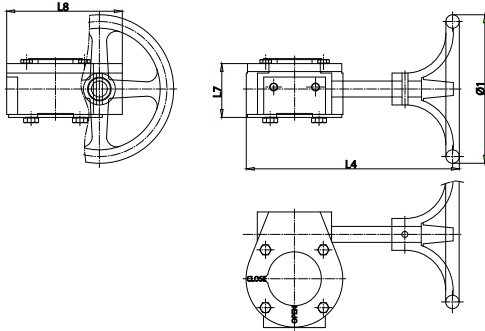
Cuerpo: fundición dúctil EN-GJS-450-10
Disco: fundición dúctil EN-GJS-450-10
Recubrimiento disco: EPDM
Volante: fundición dúctil ASTM A536
O-Ring: NBR
Eje: acero inoxidable SS431



VOL VOLANTE (REPUESTO)



| TUBO DE ACERO | | | DIMENSIONES | | | | COD. | € |
|------------------|--------------------|--------------|-------------|--------|--------|--------|----------|--------|
| Ø | Ø D mm. | DN | Ø 1 mm. | L4 mm. | L7 mm. | L8 mm. | | |
| 2" - 2 1/2" - 3" | 60,3 - 76,1 - 88,9 | 50 - 65 - 80 | 150 | 210 | 54 | 114 | 6VVOL8BA | 91,60 |
| 4" | 114,3 | 100 | 150 | 210 | 54 | 114 | 6VVOL00C | 94,05 |
| 5" - 6" | 139,7 - 168,3 | 125 - 150 | 150 | 210 | 54 | 114 | 6VVOLHKE | 97,80 |
| 8" | 219,1 | 200 | 300 | 305 | 69 | 167 | 6VVOL00M | 190,70 |
| 10" | 273,0 | 250 | 300 | 305 | 69 | 167 | 6VVOL00N | 196,35 |



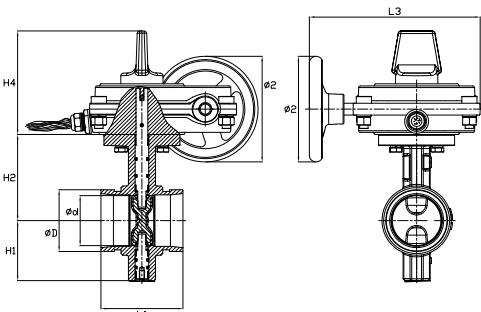
COMPONENTES

Cuerpo: fundición dúctil EN-GJS-450-10
Volante: fundición dúctil EN-GJS-450-10
Eje: acero inoxidable UNS S43100 (SS431)

635 VÁLVULA MARIPOSA RANURADA CON FINAL DE CARRERA (VOLANTE)



| TUBO DE ACERO | | | DIMENSIONES | | | | | | | COD. | € |
|---------------|---------|-----|-------------|---------|--------|--------|--------|--------|--------|----------|----------|
| Ø | Ø D mm. | DN | Ø d mm. | Ø 2 mm. | H1 mm. | H2 mm. | H4 mm. | L1 mm. | L3 mm. | | |
| 2" | 60,3 | 50 | 50,3 | 125 | 65 | 89 | 123 | 81 | 202 | 6V635208 | 280,60 |
| 2 1/2" | 76,1 | 65 | 60,8 | 125 | 71 | 102 | 123 | 97 | 202 | 6V63520B | 298,95 |
| 3" | 88,9 | 80 | 76,0 | 125 | 81 | 109 | 123 | 97 | 202 | 6V63520A | 311,20 |
| 4" | 114,3 | 100 | 98,5 | 125 | 95 | 128 | 123 | 116 | 202 | 6V63520C | 347,80 |
| 5" | 139,7 | 125 | 122,6 | 125 | 111 | 141 | 123 | 148 | 202 | 6V63520H | 402,80 |
| 6" | 168,3 | 150 | 148,0 | 225 | 133 | 153 | 123 | 148 | 202 | 6V63520E | 518,65 |
| 8" | 219,1 | 200 | 199,0 | 225 | 164 | 184 | 123 | 133 | 260 | 6V63520M | 884,80 |
| 10" | 273,0 | 250 | 252,0 | 225 | 196 | 216 | 123 | 159 | 260 | 6V63520N | 1.216,80 |

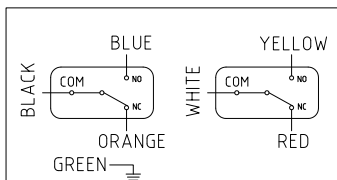


CARACTERÍSTICAS TÉCNICAS

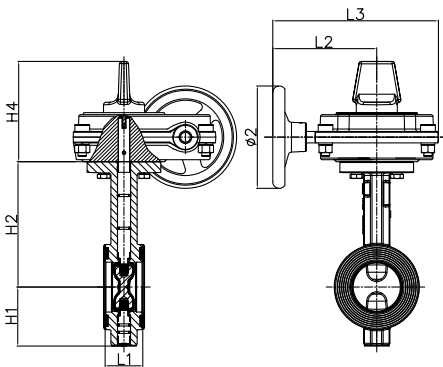
Fabricación s/ MSS SP-67.
 Ranuras s/ ISO 6182.
 Brida montaje actuador: ISO 5211.
 Presiones de servicio: PN16 (230 PSI; 1.6 MPa).
 Temperaturas de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por VdS, UL y FM.

COMPONENTES

Cuerpo: fundición dúctil EN-GJS-450-10
Disco: fundición dúctil EN-GJS-450-10
Recubrimiento disco: EPDM
Volante: fundición dúctil ASTM A536
O-Ring: NBR
Eje: acero inoxidable SS431



636 VÁLVULA MARIPOSA TIPO WAFER (VOLANTE)



| TUBO DE ACERO | | | DIMENSIONES | | | | | | | COD. | € |
|---------------|---------|-----|-------------|--------|--------|--------|-------------|--------|--------|----------|----------|
| Ø | Ø D mm. | DN | Ø 2 mm. | H1 mm. | H2 mm. | H4 mm. | L1 (±2) mm. | L2 mm. | L3 mm. | | |
| 2" | 60,3 | 50 | 125 | 65 | 140,5 | 122,5 | 43 | 127,0 | 202 | 6V636208 | 247,55 |
| 2 1/2" | 76,1 | 65 | 125 | 71 | 153,0 | 122,5 | 46 | 127,0 | 202 | 6V63620B | 259,05 |
| 3" | 88,9 | 80 | 125 | 81 | 157,5 | 122,5 | 46 | 127,0 | 202 | 6V63620A | 269,65 |
| 4" | 114,3 | 100 | 125 | 95 | 176,0 | 122,5 | 52 | 127,0 | 202 | 6V63620C | 305,50 |
| 5" | 139,7 | 125 | 125 | 111 | 191,0 | 122,5 | 56 | 127,0 | 202 | 6V63620H | 347,60 |
| 6" | 168,3 | 150 | 225 | 133 | 202,5 | 122,5 | 56 | 139,5 | 215 | 6V63620E | 449,40 |
| 8" | 219,1 | 200 | 225 | 164 | 243,5 | 122,5 | 60 | 198,5 | 274 | 6V63620M | 766,65 |
| 10" | 273,0 | 250 | 225 | 196 | 273,0 | 122,5 | 68 | 198,5 | 274 | 6V63620N | 842,65 |
| 12" | 323,9 | 300 | 225 | 226 | 311,0 | 132,0 | 78 | 202,0 | 293 | 6V63620Q | 1.116,50 |

CARACTERÍSTICAS TÉCNICAS

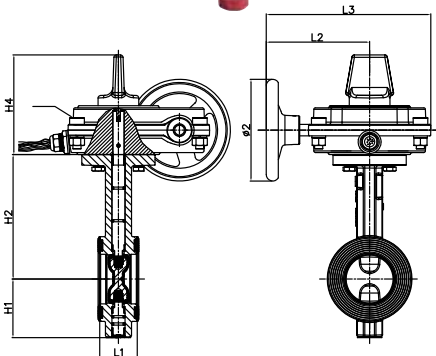
Fabricación s/ EN 593.
 Brida montaje actuador: ISO 5211.
 Presiones de servicio: PN10/16/25
 (150/230/360 PSI; 1.0/1.6/2.5 MPa).
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por UL y FM.

COMPONENTES

Cuerpo: fundición dúctil EN-GJS-450-10
Disco: fundición dúctil EN-GJS-450-10
Recubrimiento disco: EPDM
Volante: fundición dúctil EN-GJS-450-10
O-Ring: NBR
Eje: acero inoxidable UNS S43100 (SS431)



637 VÁLVULA MARIPOSA TIPO WAFER CON FINAL DE CARRERA (VOLANTE)



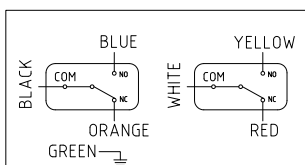
| TUBO DE ACERO | | | DIMENSIONES | | | | | | | COD. | € |
|---------------|---------|-----|-------------|--------|--------|--------|-------------|--------|--------|----------|----------|
| Ø | Ø D mm. | DN | Ø 2 mm. | H1 mm. | H2 mm. | H4 mm. | L1 (±2) mm. | L2 mm. | L3 mm. | | |
| 2" | 60,3 | 50 | 125 | 65 | 140,5 | 122,5 | 43 | 127,0 | 202 | 6V637208 | 269,05 |
| 2 1/2" | 76,1 | 65 | 125 | 71 | 153,0 | 122,5 | 46 | 127,0 | 202 | 6V63720B | 281,55 |
| 3" | 88,9 | 80 | 125 | 81 | 157,5 | 122,5 | 46 | 127,0 | 202 | 6V63720A | 293,05 |
| 4" | 114,3 | 100 | 125 | 95 | 176,0 | 122,5 | 52 | 127,0 | 202 | 6V63720C | 332,00 |
| 5" | 139,7 | 125 | 125 | 111 | 191,0 | 122,5 | 56 | 127,0 | 202 | 6V63720H | 377,80 |
| 6" | 168,3 | 150 | 225 | 133 | 202,5 | 122,5 | 56 | 139,5 | 215 | 6V63720E | 488,45 |
| 8" | 219,1 | 200 | 225 | 164 | 243,5 | 122,5 | 60 | 198,5 | 274 | 6V63720M | 833,30 |
| 10" | 273,0 | 250 | 225 | 196 | 273,0 | 122,5 | 68 | 198,5 | 274 | 6V63720N | 915,90 |
| 12" | 323,9 | 300 | 225 | 226 | 311,0 | 132,0 | 78 | 202,0 | 293 | 6V63720Q | 1.213,60 |

CARACTERÍSTICAS TÉCNICAS

Fabricación s/ EN 593.
 Brida montaje actuador: ISO 5211.
 Presiones de servicio: PN10/16/25
 (150/230/360 PSI; 1.0/1.6/2.5 MPa).
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por UL y FM.

COMPONENTES

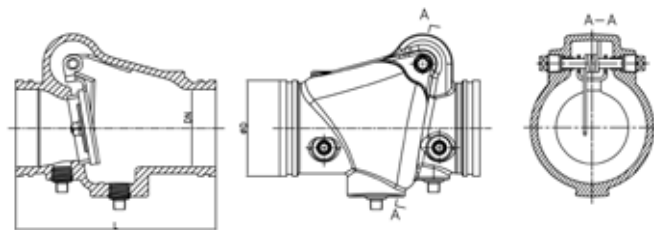
Cuerpo: fundición dúctil EN-GJS-450-10
Disco: fundición dúctil EN-GJS-450-10
Recubrimiento disco: EPDM
Volante: fundición dúctil EN-GJS-450-10
O-Ring: NBR
Eje: acero inoxidable UNS S43100 (SS431)



640 VÁLVULA RETENCIÓN RANURADA A CLAPETA



| TUBO DE ACERO | | | DIMENSIONES | | COD. | € |
|---------------|---------|-----|-------------|--|----------|----------|
| Ø | Ø D mm. | DN | L mm. | | | |
| 2" | 60,3 | 50 | 172 | | 6V640208 | 108,30 |
| 2 1/2" | 76,1 | 65 | 184 | | 6V64020B | 112,65 |
| 3" | 88,9 | 80 | 197 | | 6V64020A | 154,35 |
| 4" | 114,3 | 100 | 210 | | 6V64020C | 242,85 |
| 5" | 139,7 | 125 | 248 | | 6V64020H | 427,75 |
| 6" | 168,3 | 150 | 325 | | 6V64020E | 469,90 |
| 8" | 219,1 | 200 | 372 | | 6V64020M | 754,25 |
| 10" | 273,0 | 250 | 457 | | 6V64020N | 1.202,15 |
| 12" | 323,9 | 300 | 535 | | 6V64020Q | 1.717,35 |



CARACTERÍSTICAS TÉCNICAS

Ranuras s/ ISO 6182.
 Presiones de servicio: PN16 (230 PSI; 1.6 MPa).
 Temperaturas de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por VdS, UL y FM.

COMPONENTES

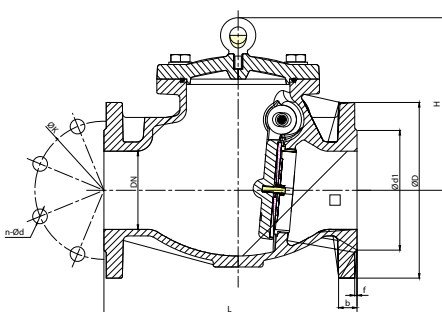
Cuerpo: fundición dúctil EN-GJS-450-10
Muelle: acero inoxidable UNS S30400 (SS304)
Disco (DN50-DN100): acero inoxidable UNS S30400 (SS304)
Disco (DN150-DN300): fundición dúctil EN-GJS-450-10
Anillo sellante: EPDM
Asiento: bronce s/ASTM B62 UNS C83600



645 VÁLVULA RETENCIÓN BRIDADA A CLAPETA



| TUBO DE ACERO | | | DIMENSIONES | | | | | | | COD. | € | |
|---------------|---------|-----|-------------|-------|-------|--------|-------|-------|-------|-------|----------|----------|
| Ø | Ø D mm. | DN | L (F4) mm. | D mm. | K mm. | d1 mm. | H mm. | b mm. | f mm. | | | n-Ød mm. |
| 2" | 60,3 | 50 | 203 | 165 | 125 | 99 | 133 | 19,0 | 3 | 4x19 | 6V645208 | 314,85 |
| 2 1/2" | 76,1 | 65 | 216 | 185 | 145 | 118 | 150 | 19,0 | 3 | 4x19 | 6V64520B | 343,45 |
| 3" | 88,9 | 80 | 241 | 200 | 160 | 132 | 150 | 19,0 | 3 | 8x19 | 6V64520A | 417,90 |
| 4" | 114,3 | 100 | 292 | 220 | 180 | 156 | 218 | 19,0 | 3 | 8x19 | 6V64520C | 563,30 |
| 5" | 139,7 | 125 | 330 | 250 | 210 | 184 | 245 | 19,0 | 3 | 8x19 | 6V64520H | 770,50 |
| 6" | 168,3 | 150 | 356 | 285 | 240 | 211 | 290 | 19,0 | 3 | 8x23 | 6V64520E | 1.001,80 |
| 8" | 219,1 | 200 | 495 | 340 | 295 | 266 | 330 | 20,0 | 3 | 12x23 | 6V64520M | 1.688,75 |
| 10" | 273,0 | 250 | 622 | 405 | 355 | 319 | 350 | 22,0 | 3 | 12x28 | 6V64520N | 2.655,05 |
| 12" | 329,9 | 300 | 698 | 460 | 410 | 370 | 376 | 24,5 | 4 | 12x28 | 6V64520Q | 3.751,85 |



CARACTERÍSTICAS TÉCNICAS

Conexiones bridadas según EN 1092-2.
 Presión de servicio: PN10/16 (150/230 PSI; 1.0/1.6 MPa).
 Temperatura de servicio: 0° C a 80° C.
 Aplicaciones: servicio de aguas, riego, anti-incendios.
 Aprobadas por UL y FM.

COMPONENTES

Cuerpo y tapa: fundición dúctil EN-GJS-450-10
Clapeta: fundición dúctil EN-GJS-450-10
Disco: fundición dúctil EN-GJS-450-10
O-Ring: EPDM
Anillo sellante: EPDM
Asiento: bronce s/ASTM B62 UNS C83600



SW1 FIN DE CARRERA



| DN | DESCRIPCIÓN | COD. | € |
|----------|--|----------|-------|
| 50 a 300 | Final de carrera para Válvulas de Compuerta NRS tipo 660 | 6VSWITC1 | 85,60 |

SW2 FIN DE CARRERA



| DN | DESCRIPCIÓN | COD. | € |
|----------|---|----------|--------|
| 50 a 300 | Final de carrera para Válvulas de Compuerta RS tipo 610 y 670 | 6VSWITC2 | 320,50 |

BOBINAS RANURADAS

Ver en página 67



LATIGUILLOS FLEXIBLES PARA CONEXIÓN SPRINKLERS



- 1 - (1 pc) Bobina de entrada (rosca R1xM33).
- 2 - (1 pc) Manguera DN25 (trenzada o corrugada) de longitud variable (rosca M33xM33).
- 3 - (1 pc) Bobina reductora de salida (rosca M33x1/2"NPT o M33x3/4"NPT).
- 4 - (1 pc) Barra soporte de longitud 635 mm.
- 5 - (1pc central y 2 pcs laterales) Anclaje tipo Mariposa altura 70 mm.

KIT LATIGUILLOS TRENZADOS



| SALIDA 1/2" NPT | | | |
|-----------------|--------------|-----------|-------|
| COD. | LONGITUD mm. | KITS/CAJA | €/KIT |
| LFB30700 | 700 | 10 | 50,70 |
| LFB31000 | 1000 | 10 | 56,15 |
| LFB31200 | 1200 | 10 | 60,00 |
| LFB31500 | 1500 | 10 | 65,55 |
| LFB31800 | 1800 | 10 | 71,90 |

| SALIDA 3/4" NPT | | | |
|-----------------|--------------|-----------|-------|
| COD. | LONGITUD mm. | KITS/CAJA | €/KIT |
| LFB40700 | 700 | 10 | 50,70 |
| LFB41000 | 1000 | 10 | 56,15 |
| LFB41200 | 1200 | 10 | 60,00 |
| LFB41500 | 1500 | 10 | 65,55 |
| LFB41800 | 1800 | 10 | 71,90 |

KIT LATIGUILLOS CORRUGADOS



| SALIDA 1/2" NPT | | | |
|-----------------|--------------|-----------|-------|
| COD. | LONGITUD mm. | KITS/CAJA | €/KIT |
| LFU30700 | 700 | 10 | 36,40 |
| LFU31000 | 1000 | 10 | 39,05 |
| LFU31200 | 1200 | 10 | 40,65 |
| LFU31500 | 1500 | 10 | 43,20 |
| LFU31800 | 1800 | 10 | 46,25 |

| SALIDA 3/4" NPT | | | |
|-----------------|--------------|-----------|-------|
| COD. | LONGITUD mm. | KITS/CAJA | €/KIT |
| LFU40700 | 700 | 10 | 36,40 |
| LFU41000 | 1000 | 10 | 39,05 |
| LFU41200 | 1200 | 10 | 40,65 |
| LFU41500 | 1500 | 10 | 43,20 |
| LFU41800 | 1800 | 10 | 46,25 |

ACCESORIOS



| COD. | DESCRIPCIÓN | | €/KIT |
|----------|--|------|-------|
| LFAT0070 | KIT ANCLAJE TORNILLO (1 CENTRAL + 2 LATERALES) 70 mm. | 70 1 | 10,60 |
| LFAT0102 | KIT ANCLAJE TORNILLO (1 CENTRAL + 2 LATERALES) 102 mm. | 50 1 | 15,05 |
| LFAM0070 | KIT ANCLAJE MARIPOSA (1 CENTRAL + 2 LATERALES) 70 mm. | 70 1 | 11,50 |
| LFAM0102 | KIT ANCLAJE MARIPOSA (1 CENTRAL + 2 LATERALES) 102 mm. | 50 1 | 15,75 |

| COD. | DESCRIPCIÓN | | € |
|-----------|--|-------|-------|
| LFRCR0385 | CODO REDUCCIÓN MxH (M33/DN25 x 1/2" NPT) 85 mm. | 128 1 | 14,45 |
| LFRCR3115 | CODO REDUCCIÓN MxH (M33/DN25 x 1/2" NPT) 115 mm. | 96 1 | 17,25 |
| LFRCR0485 | CODO REDUCCIÓN MxH (M33/DN25 x 3/4" NPT) 85 mm. | 128 1 | 14,20 |
| LFRCR4115 | CODO REDUCCIÓN MxH (M33/DN25 x 3/4" NPT) 115 mm. | 96 1 | 17,10 |

| COD. | DESCRIPCIÓN | | € |
|----------|------------------------------|--------|------|
| LFBS0635 | BARRA SOPORTE GALV. 635 mm. | 100 10 | 4,40 |
| LFBS1270 | BARRA SOPORTE GALV. 1270 mm. | 50 10 | 9,15 |

Para otros accesorios se ruega consultar.

ACCESORIOS DE **ACERO**

ATUSA se ha convertido también en un proveedor de referencia en la familia del acero.

Entendemos que hierro y acero son productos afines y, por tanto, deben ir de la mano. Estamos presentes en el mundo del acero con una gama de producto en constante crecimiento.



ACCESORIOS
ACERO

ACCESORIOS
ACERO

ACCESORIOS PARA SOLDAR - NORMA EN

CURVA 3D EN 10253-1 - ACERO S235

| DIMENSIONES | | 45° | | 90° | | 90° GALVA. | | 90° CON SOLDADURA | | 180° | |
|-------------|----------------------|----------|--------|----------|----------|------------|--------|-------------------|-------|----------|--------|
| Ø | Ø EXT. x ESPESOR mm. | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € |
| 1/2" | 21,3 x 2,0 | C3450021 | 1,45 | C3XXXX21 | 1,45 | C3GXXX21 | 1,65 | | | C3180021 | 3,60 |
| 3/4" | 26,9 x 2,3 | C3450027 | 1,45 | C3XXXX27 | 1,45 | C3GXXX27 | 1,80 | C3HXXX27 | 1,30 | C3180027 | 3,60 |
| 1" | 33,7 x 2,6 | C3450033 | 1,75 | C3XXXX33 | 1,85 | C3GXXX33 | 2,15 | C3HXXX33 | 1,45 | C3180033 | 4,15 |
| | 38,0 x 2,6 | | | C3XXXX38 | 3,45 | | | | | | |
| 1 1/4" | 42,4 x 2,6 | C3450042 | 2,25 | C3XXXX42 | 2,35 | C3GXXX42 | 3,05 | C3HXXX42 | 1,85 | C3180042 | 5,70 |
| | 44,5 x 2,6 | | | C3XXXX44 | 3,80 | | | | | | |
| 1 1/2" | 48,3 x 2,6 | C3450048 | 2,80 | C3XXXX48 | 2,90 | C3GXXX48 | 3,95 | C3HXXX48 | 2,30 | C3180048 | 7,00 |
| | * 51,0 x 2,6 | | | C3XXXX51 | 4,70 | | | | | | |
| | 54,0 x 2,6 | | | C3XXXX54 | 6,80 | | | | | | |
| | 57,0 x 2,9 | | | C3XXXX57 | 5,30 | | | | | | |
| 2" | 60,3 x 2,9 | C3450060 | 4,50 | C3XXXX60 | 4,50 | C3GXXX60 | 6,60 | C3HXXX60 | 3,70 | C3180060 | 11,15 |
| | 70,0 x 2,9 | | | C3XXXX70 | 8,45 | C3GXXX70 | 10,45 | | | | |
| 2 1/2" | 76,1 x 2,9 | C3450076 | 6,60 | C3XXXX76 | 7,00 | C3GXXX76 | 10,50 | C3HXXX76 | 5,80 | C3180076 | 16,35 |
| 3" | 88,9 x 3,2 | C3450089 | 9,55 | C3XXXX89 | 10,20 | C3GXXX89 | 15,75 | C3HXXX89 | 8,45 | C3180089 | 24,10 |
| 3 1/2" | 101,6 x 3,6 | C3450101 | 16,75 | C3XXX101 | 19,90 | C3GXX101 | 25,55 | C3HXX101 | 17,60 | C3180101 | 46,45 |
| | 108,0 x 3,6 | | | C3XXX108 | 22,60 | C3GXX108 | 28,90 | | | | |
| 4" | 114,3 x 3,6 | C3450114 | 17,25 | C3XXX114 | 19,10 | C3GXX114 | 29,90 | C3HXX114 | 15,75 | C3180114 | 47,65 |
| | 133,0 x 4,0 | | | C3XXX133 | 38,20 | C3GXX133 | 49,95 | | | | |
| 5" | 139,7 x 4,0 | C3450139 | 29,45 | C3XXX139 | 32,60 | C3GXX139 | 51,70 | C3HXX139 | 26,55 | C3180139 | 81,40 |
| | 159,0 x 4,5 | | | C3XXX159 | 55,15 | C3GXX159 | 75,55 | | | | |
| 6" | 168,3 x 4,5 | C3450168 | 42,45 | C3XXX168 | 47,30 | C3GXX168 | 78,30 | C3HXX168 | 38,75 | C3180168 | 118,35 |
| 7" | 193,7 x 5,6 | | | C3XXX193 | 158,55 | | | | | | |
| 8" | 219,1 x 6,3 | C3450219 | 89,95 | C3XXX219 | 111,70 | C3GXX219 | 181,20 | | | | |
| | 244,5 x 6,3 | | | C3XXX244 | 388,70 | | | | | | |
| 10" | 273,0 x 6,3 | C3450273 | 159,85 | C3XXX273 | 190,45 | C3GXX273 | 306,35 | | | | |
| 12" | 323,9 x 7,1 | C3450324 | 260,15 | C3XXX324 | 287,45 | | | | | | |
| 14" | 355,6 x 8,0 | C3450355 | 384,05 | C3XXX355 | 442,75 | | | | | | |
| 16" | 406,4 x 8,8 | C3450406 | 543,05 | C3XXX406 | 615,25 | | | | | | |
| 18" | * 457,2 x 9,53 | | | C3XXX457 | 1.183,65 | | | | | | |
| 20" | * 508,0 x 9,53 | | | C3XXX508 | 1.666,35 | | | | | | |
| 24" | * 609,6 x 9,53 | | | C3XXX609 | 2.949,20 | | | | | | |

* No corresponden a la Norma EN 10253



CURVA 5D EN 10253-1 - ACERO S235

| DIMENSIONES | | 45° | | 90° | | 90° GALVA. | | 180° | |
|-------------|----------------------|----------|-------|----------|----------|------------|--------|----------|--------|
| Ø | Ø EXT. x ESPESOR mm. | COD. | € | COD. | € | COD. | € | COD. | € |
| 1/2" | 21,3 x 2,0 | C5450021 | 3,85 | C5XXXX21 | 3,85 | | | | |
| 3/4" | 26,9 x 2,3 | C5450027 | 4,70 | C5XXXX27 | 4,70 | C5GXXX27 | 4,60 | C5180027 | 12,00 |
| 1" | 33,7 x 2,6 | C5450033 | 4,70 | C5XXXX33 | 4,70 | C5GXXX33 | 5,45 | C5180033 | 12,00 |
| 1 1/4" | 42,4 x 2,6 | C5450042 | 6,20 | C5XXXX42 | 6,20 | C5GXXX42 | 7,50 | C5180042 | 16,25 |
| 1 1/2" | 48,3 x 2,6 | C5450048 | 7,95 | C5XXXX48 | 7,95 | C5GXXX48 | 9,70 | C5180048 | 20,25 |
| 2" | 60,3 x 2,9 | C5450060 | 11,15 | C5XXXX60 | 11,15 | C5GXXX60 | 13,95 | C5180060 | 28,60 |
| | 70,0 x 2,9 | | | C5XXXX70 | 38,20 | | | | |
| 2 1/2" | 76,1 x 2,9 | C5450076 | 16,50 | C5XXXX76 | 16,50 | C5GXXX76 | 22,50 | C5180076 | 41,50 |
| 3" | 88,9 x 3,2 | C5450089 | 23,85 | C5XXXX89 | 25,65 | C5GXXX89 | 34,55 | C5180089 | 66,25 |
| 3 1/2" | 101,6 x 3,6 | C5450101 | 52,45 | C5XXX101 | 57,50 | | | | |
| | 108,0 x 3,6 | | | C5XXX108 | 57,60 | | | | |
| 4" | 114,3 x 3,6 | C5450114 | 46,40 | C5XXX114 | 49,85 | C5GXX114 | 64,10 | C5180114 | 128,55 |
| | 133,0 x 4,0 | | | C5XXX133 | 109,30 | | | | |
| 5" | 139,7 x 4,0 | | | C5XXX139 | 85,10 | C5GXX139 | 116,25 | | |
| | 159,0 x 4,5 | | | C5XXX159 | 169,80 | | | | |
| 6" | 168,3 x 4,5 | | | C5XXX168 | 140,75 | C5GXX168 | 179,05 | | |
| 8" | 219,1 x 6,3 | | | C5XXX219 | 352,95 | C5GXX219 | 438,25 | | |
| 10" | 273,0 x 6,3 | | | C5XXX273 | 724,75 | C5GXX273 | 797,35 | | |
| 12" | 323,9 x 7,1 | | | C5XXX324 | 1.218,95 | | | | |


CAP EN 10253-1 - ACERO S235

| Ø | Ø EXT. mm. | ESPEJOR mm. | COD. | € |
|--------|------------|-------------|----------|------|
| 3/4" | * 26,9 | 2,3 | CCXXXX27 | 0,85 |
| 1" | 33,7 | 2,6 | CCXXXX34 | 0,85 |
| 1 1/4" | 42,4 | 2,6 | CCXXXX42 | 0,90 |
| 1 1/2" | 48,3 | 2,6 | CCXXXX48 | 0,95 |
| 2" | 60,3 | 2,9 | CCXXXX60 | 1,25 |
| | 70,0 | 2,9 | CCXXXX70 | 1,75 |
| 2 1/2" | 76,1 | 2,9 | CCXXXX76 | 1,80 |
| 3" | 88,9 | 3,2 | CCXXXX89 | 2,15 |
| 3 1/2" | 101,6 | 3,6 | CCXXX101 | 6,05 |
| | 108,0 | 3,6 | CCXXX108 | 6,45 |
| 4" | 114,3 | 3,6 | CCXXX114 | 6,05 |
| | 133,0 | 4,0 | CCXXX133 | 8,40 |

| Ø | Ø EXT. mm. | ESPEJOR mm. | COD. | € |
|-----|------------|-------------|----------|--------|
| 5" | 139,7 | 4,0 | CCXXX140 | 9,25 |
| | 159,0 | 4,5 | CCXXX159 | 16,05 |
| 6" | 168,3 | 4,5 | CCXXX168 | 16,70 |
| 7" | 193,7 | 5,6 | CCXXX193 | 28,45 |
| 8" | 219,1 | 6,3 | CCXXX219 | 31,10 |
| | 244,5 | 6,3 | CCXXX245 | 39,05 |
| 10" | 273,0 | 6,3 | CCXXX273 | 45,55 |
| 12" | 323,9 | 7,1 | CCXXX324 | 63,70 |
| 14" | 355,6 | 8,0 | CCXXX356 | 110,55 |
| 16" | 406,4 | 8,8 | CCXXX406 | 149,10 |
| 18" | * 457,0 | 8,0 | CCXXX457 | 261,20 |
| 20" | * 508,0 | 8,0 | CCXXX508 | 290,30 |
| 24" | * 610,0 | 8,0 | CCXXX610 | 521,15 |

* No corresponden a la Norma EN 10253


TE EN 10253-1 - ACERO S235

| Ø | Ø EXT. mm. | ESPEJOR mm. | COD. | € |
|--------|------------|-------------|----------|-------|
| 1/2" | 21,3 | 2,0 | CTDXXX21 | 4,90 |
| 3/4" | 26,9 | 2,3 | CTDXXX27 | 5,55 |
| 1" | 33,7 | 2,6 | CTDXXX33 | 5,95 |
| 1 1/4" | 42,4 | 2,6 | CTDXXX42 | 7,20 |
| 1 1/2" | 48,3 | 2,6 | CTDXXX48 | 9,15 |
| 2" | 60,3 | 2,9 | CTDXXX60 | 11,70 |
| 2 1/2" | 76,1 | 2,9 | CTDXXX76 | 18,70 |
| 3" | 88,9 | 3,2 | CTDXXX89 | 26,15 |
| 3 1/2" | 101,6 | 3,6 | CTDXX101 | 55,75 |

| Ø | Ø EXT. mm. | ESPEJOR mm. | COD. | € |
|-----|------------|-------------|----------|----------|
| 4" | 114,3 | 3,6 | CTDXX114 | 38,65 |
| 5" | 139,7 | 4,0 | CTDXX139 | 61,00 |
| 6" | 168,3 | 4,5 | CTDXX168 | 85,85 |
| 8" | 219,1 | 6,3 | CTDXX219 | 197,60 |
| 10" | 273,0 | 6,3 | CTDXX273 | 403,30 |
| 12" | 323,9 | 7,1 | CTDXX323 | 621,15 |
| 14" | 355,6 | 8,0 | CTDXX355 | 779,65 |
| 16" | 406,4 | 8,8 | CTDXX406 | 1.113,75 |



REDUCCIÓN CONCÉNTRICA EN 10253-1 FORMA 2 - ACERO S235

| Ø | Ø EXT. mm. | ESPESOR mm. | COD. | € |
|-----------------|-----------------|-------------|----------|-------|
| 3/4" x 1/2" | 26,9 x 21,3 | 2,3 - 2,0 | CRXX2721 | 3,40 |
| 1" x 1/2" | 33,7 x 21,3 | 2,6 - 2,0 | CRXX3321 | 3,40 |
| 1" x 3/4" | 33,7 x 26,9 | 2,6 - 2,3 | CRXX3327 | 3,05 |
| 1 1/4" x 1/2" | 42,4 x 21,3 | 2,6 - 2,0 | CRXX4221 | 5,65 |
| 1 1/4" x 3/4" | 42,4 x 26,9 | 2,6 - 2,3 | CRXX4227 | 3,80 |
| 1 1/4" x 1" | 42,4 x 33,7 | 2,6 - 2,6 | CRXX4233 | 3,30 |
| 1 1/2" x 1/2" | * 48,3 x 21,3 | 2,6 - 2,0 | CRXX4821 | 7,60 |
| 1 1/2" x 3/4" | 48,3 x 26,9 | 2,6 - 2,3 | CRXX4827 | 4,90 |
| 1 1/2" x 1" | 48,3 x 33,7 | 2,6 - 2,6 | CRXX4833 | 4,05 |
| 1 1/2" x 1 1/4" | 48,3 x 42,4 | 2,6 - 2,6 | CRXX4842 | 3,50 |
| 2" x 3/4" | * 60,3 x 26,9 | 2,9 - 2,3 | CRXX6027 | 8,30 |
| 2" x 1" | 60,3 x 33,7 | 2,9 - 2,6 | CRXX6033 | 5,50 |
| 2" x 1 1/4" | 60,3 x 42,4 | 2,9 - 2,6 | CRXX6042 | 5,05 |
| 2" x 1 1/2" | 60,3 x 48,3 | 2,9 - 2,6 | CRXX6048 | 4,50 |
| 2 1/2" x 1" | * 76,1 x 33,7 | 2,9 - 2,6 | CRXX7633 | 13,55 |
| 2 1/2" x 1 1/4" | 76,1 x 42,4 | 2,9 - 2,6 | CRXX7642 | 8,30 |
| 2 1/2" x 1 1/2" | 76,1 x 48,3 | 2,9 - 2,6 | CRXX7648 | 6,40 |
| 2 1/2" x 2" | 76,1 x 60,3 | 2,9 - 2,9 | CRXX7660 | 5,90 |
| 3" x 1 1/4" | * 88,9 x 42,4 | 3,2 - 2,6 | CRXX8942 | 13,15 |
| 3" x 1 1/2" | 88,9 x 48,3 | 3,2 - 2,6 | CRXX8948 | 10,30 |
| 3" x 2" | 88,9 x 60,3 | 3,2 - 2,9 | CRXX8960 | 8,35 |
| 3" x 2 1/2" | 88,9 x 76,1 | 3,2 - 2,9 | CRXX8976 | 7,70 |
| 3 1/2" x 2" | * 101,6 x 60,3 | 3,6 - 2,9 | CRX10160 | 16,70 |
| 3 1/2" x 2 1/2" | * 101,6 x 76,1 | 3,6 - 2,9 | CRX10176 | 14,10 |
| 3 1/2" x 3" | * 101,6 x 88,9 | 3,6 - 3,2 | CRX10189 | 12,30 |
| | * 108,0 x 60,3 | 3,6 - 2,9 | CRX10860 | 16,85 |
| | * 108,0 x 76,1 | 3,6 - 2,9 | CRX10876 | 14,20 |
| | * 108,0 x 88,9 | 3,6 - 3,2 | CRX10889 | 12,70 |
| 4" x 1 1/2" | * 114,3 x 48,3 | 3,6 - 2,6 | CRX11448 | 18,55 |
| 4" x 2" | 114,3 x 60,3 | 3,6 - 2,9 | CRX11460 | 13,60 |
| 4" x 2 1/2" | 114,3 x 76,1 | 3,6 - 2,9 | CRX11476 | 12,25 |
| 4" x 3" | 114,3 x 88,9 | 3,6 - 3,2 | CRX11489 | 11,70 |
| 4" x 3 1/2" | * 114,3 x 101,6 | 3,6 - 3,6 | CR114101 | 15,55 |
| | * 133,0 x 76,1 | 4,0 - 2,9 | CRX13376 | 29,70 |
| | * 133,0 x 88,9 | 4,0 - 3,2 | CRX13389 | 24,75 |
| | * 133,0 x 101,6 | 4,0 - 3,6 | CR133101 | 26,60 |
| | * 133,0 x 108,0 | 4,0 - 3,6 | CR133108 | 24,90 |
| | * 133,0 x 114,3 | 4,0 - 3,6 | CR133114 | 22,00 |

| Ø | Ø EXT. mm. | ESPESOR mm. | COD. | € |
|-------------|-----------------|-------------|----------|--------|
| 5" x 2" | * 139,7 x 60,3 | 4,0 - 2,9 | CRX13960 | 35,05 |
| 5" x 2 1/2" | 139,7 x 76,1 | 4,0 - 2,9 | CRX13976 | 27,10 |
| 5" x 3" | 139,7 x 88,9 | 4,0 - 3,2 | CRX13989 | 22,35 |
| 5" x 3 1/2" | * 139,7 x 101,6 | 4,0 - 3,6 | CR139101 | 29,05 |
| | * 139,7 x 108,0 | 4,0 - 3,6 | CR139108 | 24,80 |
| 5" x 4" | 139,7 x 114,3 | 4,0 - 3,6 | CR139114 | 20,65 |
| | * 159,0 x 88,9 | 4,5 - 3,2 | CRX15989 | 38,35 |
| | * 159,0 x 108,0 | 4,5 - 3,6 | CR159108 | 35,35 |
| | * 159,0 x 114,3 | 4,5 - 3,6 | CR159114 | 34,15 |
| | * 159,0 x 133,0 | 4,5 - 4,0 | CR159133 | 30,10 |
| | * 159,0 x 139,7 | 4,5 - 4,0 | CR159139 | 30,10 |
| 6" x 2 1/2" | * 168,3 x 76,1 | 4,5 - 2,9 | CRX16876 | 43,90 |
| 6" x 3" | 168,3 x 88,9 | 4,5 - 3,2 | CRX16889 | 35,80 |
| 6" x 4" | 168,3 x 114,3 | 4,5 - 3,6 | CR168114 | 28,60 |
| 6" x 5" | 168,3 x 139,7 | 4,5 - 4,0 | CR168139 | 26,25 |
| | * 193,7 x 114,3 | 5,6 - 3,6 | CR193114 | 131,45 |
| | * 193,7 x 133,0 | 5,6 - 4,0 | CR193133 | 124,90 |
| | * 193,7 x 159,0 | 5,6 - 4,5 | CR193159 | 105,50 |
| | * 193,7 x 168,3 | 5,6 - 4,5 | CR193168 | 100,85 |
| 8" x 4" | 219,1 x 114,3 | 6,3 - 3,6 | CR219114 | 65,05 |
| | * 219,1 x 133,0 | 6,3 - 4,0 | CR219133 | 75,55 |
| 8" x 5" | 219,1 x 139,7 | 6,3 - 4,0 | CR219139 | 59,75 |
| | * 219,1 x 159,0 | 6,3 - 4,5 | CR219159 | 69,40 |
| 8" x 6" | 219,1 x 168,3 | 6,3 - 4,5 | CR219168 | 49,40 |
| 10" x 5" | 273,0 x 139,7 | 6,3 - 4,0 | CR273139 | 113,75 |
| 10" x 6" | 273,0 x 168,3 | 6,3 - 4,5 | CR273168 | 96,00 |
| 10" x 8" | 273,0 x 219,1 | 6,3 - 6,3 | CR273219 | 76,80 |
| 12" x 6" | 323,9 x 168,3 | 7,1 - 4,5 | CR323168 | 176,65 |
| 12" x 8" | 323,9 x 219,1 | 7,1 - 6,3 | CR323219 | 151,35 |
| 12" x 10" | 323,9 x 273,0 | 7,1 - 6,3 | CR323273 | 141,55 |
| 14" x 8" | 355,6 x 219,1 | 8,0 - 6,3 | CR355219 | 414,00 |
| 14" x 10" | 355,6 x 273,0 | 8,0 - 6,3 | CR355273 | 386,40 |
| 14" x 12" | 355,6 x 323,9 | 8,0 - 7,1 | CR355323 | 358,80 |
| 16" x 10" | 406,4 x 273,0 | 8,8 - 6,3 | CR406273 | 546,50 |
| 16" x 12" | 406,4 x 323,9 | 8,8 - 7,1 | CR406323 | 538,20 |
| 16" x 14" | 406,4 x 355,6 | 8,8 - 8,0 | CR406355 | 524,40 |

* No corresponden a la Norma EN 10253

**ACCESORIOS PARA SOLDAR - NORMA ASTM
CURVA ASTM A-234 WPB - ASME B 16.9**


| DIMENSIONES | | STD | | | | | | | | XS | | | | | |
|-------------|------------|-------------|----------|----------|----------|----------|--------|-------------|--------|-------------|----------|----------|--------|-------------|----------|
| | | RADIO LARGO | | | | | | RADIO CORTO | | RADIO LARGO | | | | RADIO CORTO | |
| | | 90° | | 45° | | 180° | | 90° | 90° | 90° | | 45° | | 90° | |
| Ø | Ø EXT. mm. | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € |
| 1/2" | 21,3 | CSTL900M | 2,20 | CSTL450M | 1,40 | | | | | CXSL900M | 3,50 | CXSL450M | 1,95 | | |
| 3/4" | 26,7 | CSTL900T | 2,45 | CSTL450T | 1,60 | | | | | CXSL900T | 3,60 | CXSL450T | 2,00 | | |
| 1" | 33,4 | CSTL9001 | 3,10 | CSTL4501 | 2,05 | | | CSTS9001 | 3,45 | CXSL9001 | 4,60 | CXSL4501 | 2,20 | CXSS9001 | 6,25 |
| 1 1/4" | 42,2 | CSTL901C | 3,45 | CSTL451C | 2,30 | | | CSTS901C | 5,75 | CXSL901C | 5,65 | CXSL451C | 3,40 | CXSS901C | 7,95 |
| 1 1/2" | 48,3 | CSTL901M | 4,25 | CSTL451M | 2,35 | CSTL181M | 8,80 | CSTS901M | 5,80 | CXSL901M | 6,35 | CXSL451M | 4,10 | CXSS901M | 8,35 |
| 2" | 60,3 | CSTL9002 | 6,80 | CSTL4502 | 3,90 | CSTL1802 | 19,90 | CSTS9002 | 6,80 | CXSL9002 | 9,45 | CXSL4502 | 6,00 | CXSS9002 | 10,80 |
| 2 1/2" | 73,0 | CSTL902M | 12,80 | CSTL452M | 7,35 | CSTL182M | 35,15 | CSTS902M | 12,90 | CXSL902M | 17,25 | CXSL452M | 11,15 | CXSS902M | 19,80 |
| 3" | 88,9 | CSTL9003 | 19,45 | CSTL4503 | 11,25 | CSTL1803 | 51,40 | CSTS9003 | 20,65 | CXSL9003 | 25,05 | CXSL4503 | 16,10 | CXSS9003 | 28,80 |
| 3 1/2" | 101,6 | CSTL903M | 27,30 | CSTL453M | 16,75 | | | | | CXSL903M | 42,85 | CXSL453M | 28,10 | | |
| 4" | 114,3 | CSTL9004 | 33,95 | CSTL4504 | 20,00 | CSTL1804 | 82,85 | CSTS9004 | 34,50 | CXSL9004 | 49,10 | CXSL4504 | 30,55 | CXSS9004 | 49,35 |
| 5" | 141,3 | CSTL9005 | 58,30 | CSTL4505 | 34,45 | CSTL1805 | 140,35 | CSTS9005 | 59,50 | CXSL9005 | 88,15 | CXSL4505 | 55,45 | CXSS9005 | 94,45 |
| 6" | 168,3 | CSTL9006 | 90,05 | CSTL4506 | 58,35 | CSTL1806 | 243,00 | CSTS9006 | 96,55 | CXSL9006 | 148,70 | CXSL4506 | 96,65 | CXSS9006 | 157,25 |
| 8" | 219,1 | CSTL9008 | 170,20 | CSTL4508 | 110,35 | | | CSTS9008 | 182,75 | CXSL9008 | 321,10 | CXSL4508 | 207,80 | CXSS9008 | 284,90 |
| 10" | 273,0 | CSTL9010 | 308,70 | CSTL4510 | 200,15 | | | CSTS9010 | 376,95 | CXSL9010 | 474,90 | CXSL4510 | 307,40 | CXSS9010 | 445,55 |
| 12" | 323,8 | CSTL9012 | 444,65 | CSTL4512 | 288,30 | | | CSTS9012 | 557,05 | CXSL9012 | 692,95 | CXSL4512 | 446,45 | CXSS9012 | 677,60 |
| 14" | 355,6 | CSTL9014 | 607,95 | CSTL4514 | 362,25 | | | CSTS9014 | 696,05 | CXSL9014 | 1.015,95 | CXSL4514 | 646,80 | CXSS9014 | 969,80 |
| 16" | 406,4 | CSTL9016 | 780,15 | CSTL4516 | 483,00 | | | CSTS9016 | 910,55 | CXSL9016 | 1.384,30 | CXSL4516 | 879,80 | CXSS9016 | 1.415,10 |
| 18" | 457,0 | CSTL9018 | 1.070,80 | CSTL4518 | 661,40 | | | | | | | | | | |
| 20" | 508,0 | CSTL9020 | 1.344,80 | CSTL4520 | 838,30 | | | | | | | | | | |
| 24" | 610,0 | CSTL9024 | 2.310,10 | CSTL4524 | 1.415,10 | | | | | | | | | | |


CAP ASTM A-234 WPB - ASME B 16.9

| DIMENSIONES | | STD | | XS | |
|-------------|------------|----------|--------|----------|--------|
| Ø | Ø EXT. mm. | COD. | € | COD. | € |
| 1/2" | 21,3 | CCSTXX0M | 3,95 | CCXSXX0M | 4,25 |
| 3/4" | 26,7 | CCSTXX0T | 4,25 | CCXSXX0T | 4,65 |
| 1" | 33,4 | CCSTXX01 | 4,75 | CCXSXX01 | 5,75 |
| 1 1/4" | 42,2 | CCSTXX1C | 4,85 | CCXSXX1C | 5,80 |
| 1 1/2" | 48,3 | CCSTXX1M | 4,90 | CCXSXX1M | 5,90 |
| 2" | 60,3 | CCSTXX02 | 5,05 | CCXSXX02 | 6,00 |
| 2 1/2" | 73,0 | CCSTXX2M | 5,65 | CCXSXX2M | 7,05 |
| 3" | 88,9 | CCSTXX03 | 8,05 | CCXSXX03 | 11,00 |
| 3 1/2" | 101,6 | CCSTXX3M | 10,95 | CCXSXX3M | 14,25 |
| 4" | 114,3 | CCSTXX04 | 12,55 | CCXSXX04 | 16,45 |
| 5" | 141,3 | CCSTXX05 | 19,30 | CCXSXX05 | 27,90 |
| 6" | 168,3 | CCSTXX06 | 33,05 | CCXSXX06 | 42,00 |
| 8" | 219,1 | CCSTXX08 | 60,85 | CCXSXX08 | 69,00 |
| 10" | 273,0 | CCSTXX10 | 108,60 | CCXSXX10 | 123,30 |
| 12" | 323,8 | CCSTXX12 | 144,65 | CCXSXX12 | 200,35 |
| 14" | 355,6 | CCSTXX14 | 174,00 | CCXSXX14 | 262,25 |
| 16" | 406,4 | CCSTXX16 | 213,95 | CCXSXX16 | 384,55 |
| 18" | 457,0 | CCSTXX18 | 338,40 | CCXSXX18 | 541,40 |
| 20" | 508,0 | CCSTXX20 | 406,10 | CCXSXX20 | 689,10 |
| 24" | 610,0 | CCSTXX24 | 584,50 | CCXSXX24 | 879,80 |


TE ASTM A-234 WPB - ASME B 16.9

| STD | | XS | |
|----------|----------|----------|----------|
| COD. | € | COD. | € |
| CTXXXX21 | 4,85 | CTXSXX0M | 6,10 |
| CTXXXX27 | 5,25 | CTXSXX0T | 6,60 |
| CTXXXX33 | 7,70 | CTXSXX01 | 9,55 |
| CTXXXX42 | 8,90 | CTXSXX1C | 11,40 |
| CTXXXX48 | 11,25 | CTXSXX1M | 12,15 |
| CTXXXX60 | 17,00 | CTXSXX02 | 23,25 |
| CTXXXX76 | 26,25 | CTXSXX2M | 27,85 |
| CTXXXX89 | 38,60 | CTXSXX03 | 42,05 |
| CTXXX101 | 53,00 | CTXSXX3M | 59,30 |
| CTXXX114 | 66,45 | CTXSXX04 | 80,20 |
| CTXXX140 | 107,00 | CTXSXX05 | 126,25 |
| CTXXX168 | 148,70 | CTXSXX06 | 215,35 |
| CTXXX219 | 275,00 | CTXSXX08 | 370,00 |
| CTXXX273 | 505,60 | CTXSXX10 | 677,95 |
| CTXXX324 | 715,00 | CTXSXX12 | 1.024,10 |
| CTXXX355 | 1.234,40 | CTXSXX14 | 1.261,25 |
| CTXXX406 | 1.391,40 | CTXSXX16 | 2.018,00 |
| CTXXX457 | 2.313,40 | | |
| CTXXX508 | 3.010,95 | | |
| CTXXX610 | 3.791,50 | | |

TE REDUCIDA Y REDUCCIONES CONCÉNTRICA Y EXCÉNTRICA ASTM A-234 WPB - ASME B 16.9



| DIMENSIONES | | TE REDUCIDA | | REDUCC. CONCÉNTRICA | | | | REDUCC. EXCÉNTRICA | |
|-----------------|---------------|-------------|----------|---------------------|----------|----------|--------|--------------------|--------|
| Ø | Ø EXT. mm. | STD | | STD | | XS | | STD | |
| | | COD. | € | COD. | € | COD. | € | COD. | € |
| 3/4" x 1/2" | 26,7 x 21,3 | CTST0T0M | 3,70 | CRST0T0M | 2,90 | CRXS0T0M | 3,90 | CREX0T0M | 3,10 |
| 1" x 1/2" | 33,4 x 21,3 | CTST010M | 6,10 | CRST010M | 3,20 | CRXS010M | 5,40 | CREX010M | 4,05 |
| 1" x 3/4" | 33,4 x 26,7 | CTST010T | 5,20 | CRST010T | 3,10 | CRXS010T | 4,90 | CREX010T | 3,95 |
| 1 1/4" x 1/2" | 42,2 x 21,3 | CTST1C0M | 8,10 | CRST1C0M | 3,60 | CRXS1C0M | 5,65 | CREX1C0M | 11,65 |
| 1 1/4" x 3/4" | 42,2 x 26,7 | CTST1C0T | 7,80 | CRST1C0T | 3,35 | CRXS1C0T | 5,10 | CREX1C0T | 6,55 |
| 1 1/4" x 1" | 42,2 x 33,4 | CTST1C01 | 7,65 | CRST1C01 | 3,15 | CRXS1C01 | 4,65 | CREX1C01 | 4,05 |
| 1 1/2" x 1/2" | 48,3 x 21,3 | CTST1M0M | 11,85 | CRST1M0M | 4,25 | CRXS1M0M | 5,45 | CREX1M0M | 13,70 |
| 1 1/2" x 3/4" | 48,3 x 26,7 | CTST1M0T | 11,55 | CRST1M0T | 3,90 | CRXS1M0T | 4,85 | CREX1M0T | 13,55 |
| 1 1/2" x 1" | 48,3 x 33,4 | CTST1M01 | 11,10 | CRST1M01 | 3,60 | CRXS1M01 | 4,60 | CREX1M01 | 4,50 |
| 1 1/2" x 1 1/4" | 48,3 x 42,2 | CTST1M1C | 10,80 | CRST1M1C | 3,45 | CRXS1M1C | 4,30 | CREX1M1C | 3,50 |
| 2" x 1/2" | 60,3 x 21,3 | | | CRST020M | 10,85 | | | | |
| 2" x 3/4" | 60,3 x 26,7 | | | CRST020T | 5,45 | | | CREX020T | 13,15 |
| 2" x 1" | 60,3 x 33,4 | CTST0201 | 21,85 | CRST0201 | 4,90 | CRXS0201 | 6,50 | CREX0201 | 7,55 |
| 2" x 1 1/4" | 60,3 x 42,2 | CTST021C | 20,95 | CRST021C | 4,50 | CRXS021C | 6,20 | CREX021C | 5,65 |
| 2" x 1 1/2" | 60,3 x 48,3 | CTST021M | 20,45 | CRST021M | 4,30 | CRXS021M | 5,75 | CREX021M | 5,40 |
| 2 1/2" x 1" | 73,0 x 33,4 | CTST2M01 | 26,05 | CRST2M01 | 9,20 | | | CREX2M01 | 29,55 |
| 2 1/2" x 1 1/4" | 73,0 x 42,2 | CTST2M1C | 25,65 | CRST2M1C | 8,10 | CRXS2M1C | 11,55 | CREX2M1C | 21,75 |
| 2 1/2" x 1 1/2" | 73,0 x 48,3 | CTST2M1M | 25,45 | CRST2M1M | 7,65 | CRXS2M1M | 10,70 | CREX2M1M | 9,45 |
| 2 1/2" x 2" | 73,0 x 60,3 | CTST2M02 | 25,35 | CRST2M02 | 7,05 | CRXS2M02 | 9,95 | CREX2M02 | 8,55 |
| 3" x 1" | 88,9 x 33,4 | CTST0301 | 39,25 | CRST0301 | 17,50 | | | | |
| 3" x 1 1/4" | 88,9 x 42,2 | CTST031C | 38,45 | CRST031C | 10,60 | CRXS031C | 14,25 | CREX031C | 24,10 |
| 3" x 1 1/2" | 88,9 x 48,3 | CTST031M | 38,20 | CRST031M | 9,85 | CRXS031M | 13,80 | CREX031M | 16,60 |
| 3" x 2" | 88,9 x 60,3 | CTST0302 | 37,85 | CRST0302 | 9,15 | CRXS0302 | 12,40 | CREX0302 | 11,55 |
| 3" x 2 1/2" | 88,9 x 73,0 | CTST032M | 37,70 | CRST032M | 8,55 | CRXS032M | 12,10 | CREX032M | 10,70 |
| 4" x 1 1/4" | 114,3 x 42,2 | | | CRST041C | 21,35 | | | | |
| 4" x 1 1/2" | 114,3 x 48,3 | CTST041M | 70,95 | CRST041M | 18,45 | CRXS041M | 27,50 | CREX041M | 25,90 |
| 4" x 2" | 114,3 x 60,3 | CTST0402 | 67,85 | CRST0402 | 17,15 | CRXS0402 | 24,50 | CREX0402 | 21,35 |
| 4" x 2 1/2" | 114,3 x 73,0 | CTST042M | 66,15 | CRST042M | 15,30 | CRXS042M | 21,90 | CREX042M | 19,25 |
| 4" x 3" | 114,3 x 88,9 | CTST0403 | 63,55 | CRST0403 | 14,15 | CRXS0403 | 21,05 | CREX0403 | 17,15 |
| 5" x 2" | 141,3 x 60,3 | CTST0502 | 116,45 | CRST0502 | 30,65 | | | CREX0502 | 57,75 |
| 5" x 2 1/2" | 141,3 x 73,0 | CTST052M | 115,30 | CRST052M | 27,85 | CRXS052M | 39,90 | CREX052M | 54,50 |
| 5" x 3" | 141,3 x 88,9 | CTST0503 | 113,55 | CRST0503 | 25,65 | CRXS0503 | 40,75 | CREX0503 | 31,95 |
| 5" x 4" | 141,3 x 114,3 | CTST0504 | 112,70 | CRST0504 | 23,25 | CRXS0504 | 36,85 | CREX0504 | 29,05 |
| 6" x 2" | 168,3 x 60,3 | CTST0602 | 163,80 | CRST0602 | 50,05 | | | | |
| 6" x 2 1/2" | 168,3 x 73,0 | CTST062M | 160,00 | CRST062M | 47,05 | CRXS062M | 62,85 | CREX062M | 73,85 |
| 6" x 3" | 168,3 x 88,9 | CTST0603 | 158,85 | CRST0603 | 41,90 | CRXS0603 | 58,40 | CREX0603 | 52,55 |
| 6" x 4" | 168,3 x 114,3 | CTST0604 | 157,05 | CRST0604 | 37,65 | CRXS0604 | 55,65 | CREX0604 | 47,05 |
| 6" x 5" | 168,3 x 141,3 | CTST0605 | 153,80 | CRST0605 | 35,55 | CRXS0605 | 53,05 | CREX0605 | 45,30 |
| 8" x 3" | 219,1 x 88,9 | CTST0803 | 291,60 | CRST0803 | 67,60 | | | | |
| 8" x 4" | 219,1 x 114,3 | CTST0804 | 288,40 | CRST0804 | 60,05 | CRXS0804 | 100,10 | CREX0804 | 79,05 |
| 8" x 5" | 219,1 x 141,3 | CTST0805 | 286,30 | CRST0805 | 57,45 | CRXS0805 | 94,25 | CREX0805 | 71,80 |
| 8" x 6" | 219,1 x 168,3 | CTST0806 | 284,35 | CRST0806 | 57,20 | CRXS0806 | 88,15 | CREX0806 | 69,35 |
| 10" x 4" | 273,0 x 114,3 | CTST1004 | 517,55 | CRST1004 | 135,35 | | | CREX1004 | 280,75 |
| 10" x 5" | 273,0 x 141,3 | CTST1005 | 516,25 | CRST1005 | 117,65 | CRXS1005 | 178,40 | CREX1005 | 226,15 |
| 10" x 6" | 273,0 x 168,3 | CTST1006 | 511,25 | CRST1006 | 108,75 | CRXS1006 | 145,95 | CREX1006 | 203,05 |
| 10" x 8" | 273,0 x 219,1 | CTST1008 | 507,95 | CRST1008 | 102,00 | CRXS1008 | 140,20 | CREX1008 | 127,40 |
| 12" x 6" | 323,8 x 168,3 | CTST1206 | 846,00 | CRST1206 | 184,60 | CRXS1206 | 240,35 | CREX1206 | 353,80 |
| 12" x 8" | 323,8 x 219,1 | CTST1208 | 757,55 | CRST1208 | 156,65 | CRXS1208 | 223,85 | CREX1208 | 195,65 |
| 12" x 10" | 323,8 x 273,0 | CTST1210 | 753,50 | CRST1210 | 138,80 | CRXS1210 | 216,15 | CREX1210 | 171,05 |
| 14" x 8" | 355,6 x 219,1 | | | CRST1408 | 324,90 | | | CREX1408 | 622,95 |
| 14" x 10" | 355,6 x 273,0 | CTST1410 | 1.461,25 | CRST1410 | 270,70 | CRXS1410 | 457,85 | CREX1410 | 381,45 |
| 14" x 12" | 355,6 x 323,8 | CTST1412 | 1.453,55 | CRST1412 | 250,15 | CRXS1412 | 414,45 | CREX1412 | 338,40 |
| 16" x 8" | 406,4 x 219,1 | | | CRST1608 | 393,75 | | | CREX1608 | 907,50 |
| 16" x 10" | 406,4 x 273,0 | CTST1610 | 1.994,95 | CRST1610 | 365,20 | CRXS1610 | 573,05 | CREX1610 | 535,25 |
| 16" x 12" | 406,4 x 323,8 | CTST1612 | 1.987,25 | CRST1612 | 347,35 | CRXS1612 | 554,00 | CREX1612 | 479,90 |
| 16" x 14" | 406,4 x 355,6 | CTST1614 | 1.975,00 | CRST1614 | 338,40 | CRXS1614 | 548,20 | CREX1614 | 436,90 |
| 18" x 16" | 457,0 x 406,4 | CTST1816 | 2.573,30 | CRST1816 | 765,95 | | | | |
| 20" x 16" | 508,0 x 406,4 | CTST2016 | 3.363,90 | CRST2016 | 1.322,80 | | | | |
| 20" x 18" | 508,0 x 457,0 | CTST2018 | 3.330,05 | CRST2018 | 1.228,35 | | | | |
| 24" x 18" | 610,0 x 457,0 | CTST2418 | 4.606,65 | CRST2418 | 1.535,00 | | | | |
| 24" x 20" | 610,0 x 508,0 | CTST2420 | 4.592,80 | CRST2420 | 1.376,60 | | | | |


ACCESORIOS PARA SOLDAR - NORMA ASME

**CURVA ASTM A-420 WPL6
ASME B 16.9**

| DIMENSIONES | | STD - RADIO LARGO | |
|-------------|--------|-------------------|--------|
| Ø | Ø EXT. | COD. | € |
| 1/2" | 21,3 | CL90460M | 5,33 |
| 3/4" | 26,9 | CL90460T | 5,67 |
| 1" | 33,7 | CL904601 | 6,01 |
| 1 1/4" | 42,4 | CL90461C | 6,83 |
| 1 1/2" | 48,3 | CL90461M | 8,06 |
| 2" | 60,3 | CL904602 | 10,45 |
| 2 1/2" | 73,0 | CL90462M | 16,87 |
| 3" | 88,9 | CL904603 | 24,73 |
| 4" | 114,3 | CL904604 | 43,51 |
| 5" | 141,3 | CL904605 | 75,00 |
| 6" | 168,3 | CL904606 | 110,05 |
| 8" | 219,1 | CL904608 | 219,82 |
| 10" | 273,0 | CL904610 | 402,82 |


**CAP ASTM A-420 WPL6
ASME B 16.9**

| DIMENSIONES | | STD | |
|-------------|--------|----------|--------|
| Ø | Ø EXT. | COD. | € |
| 2" | 60,3 | CCX40602 | 9,15 |
| 2 1/2" | 73,0 | CCX4062M | 11,41 |
| 3" | 88,9 | CCX40603 | 13,05 |
| 4" | 114,3 | CCX40604 | 21,59 |
| 5" | 141,3 | CCX40605 | 30,26 |
| 6" | 168,3 | CCX40606 | 43,17 |
| 8" | 219,1 | CCX40608 | 72,89 |
| 10" | 273,0 | CCX40610 | 129,79 |


**TE ASTM A-420 WPL6
ASME B 16.9**

| DIMENSIONES | | STD | |
|-------------|--------|----------|--------|
| Ø | Ø EXT. | COD. | € |
| 1/2" | 21,3 | CTX4060M | 10,52 |
| 3/4" | 26,9 | CTX4060T | 10,59 |
| 1" | 33,7 | CTX40601 | 12,36 |
| 1 1/4" | 42,4 | CTX4061C | 12,98 |
| 1 1/2" | 48,3 | CTX4061M | 16,39 |
| 2" | 60,3 | CTX40602 | 21,52 |
| 2 1/2" | 73,0 | CTX4062M | 37,02 |
| 3" | 88,9 | CTX40603 | 47,68 |
| 4" | 114,3 | CTX40604 | 74,05 |
| 5" | 141,3 | CTX40605 | 118,59 |
| 6" | 168,3 | CTX40606 | 161,69 |
| 8" | 219,1 | CTX40608 | 273,38 |
| 10" | 273,0 | CTX40610 | 500,51 |


**REDUCCIÓN CONCÉNTRICA ASTM A-420 WPL6
ASME B 16.9**

| DIMENSIONES | | STD | |
|-----------------|---------------|----------|---------|
| Ø | Ø EXT. | COD. | € |
| 1" x 3/4" | 33,4 x 26,7 | CR46010T | 15,78 |
| 1 1/4" x 1" | 42,2 x 33,4 | CR461C01 | 17,35 |
| 1 1/2" x 1 1/4" | 48,3 x 42,2 | CR461M1C | 19,47 |
| 2" x 1" | 60,3 x 33,4 | CR460201 | 13,80 |
| 2" x 1 1/2" | 60,3 x 48,3 | CR46021M | 11,41 |
| 2 1/2" x 2" | 73,0 x 60,3 | CR462M02 | 24,59 |
| 3" x 2" | 88,9 x 60,3 | CR460302 | 17,35 |
| 3" x 2 1/2" | 88,9 x 73,0 | CR46032M | 16,80 |
| 4" x 2" | 114,3 x 60,3 | CR460402 | 26,03 |
| 4" x 3" | 114,3 x 88,9 | CR460403 | 22,41 |
| 5" x 3" | 141,3 x 88,9 | CR460503 | 41,40 |
| 5" x 4" | 141,3 x 114,3 | CR460504 | 37,02 |
| 6" x 4" | 168,3 x 114,3 | CR460604 | 54,37 |
| 6" x 5" | 168,3 x 141,3 | CR460605 | 49,66 |
| 8" x 6" | 219,1 x 168,3 | CR460806 | 78,76 |
| 10" x 6" | 273,0 x 168,3 | CR461006 | 140,92 |
| 12" x 10" | 323,8 x 273,0 | CR461210 | 184,10 |
| 14" x 10" | 355,6 x 273,0 | CR461410 | 614,24 |
| 14" x 12" | 355,6 x 323,8 | CR461412 | 555,43 |
| 16" x 10" | 406,4 x 273,0 | CR461610 | 1198,02 |
| 16" x 12" | 406,4 x 323,8 | CR461612 | 936,60 |
| 16" x 14" | 406,4 x 355,6 | CR461614 | 875,67 |

BRIDAS ACERO CARBONO



BRIDA SEGÚN NORMA ASTM ANSI B 16.5 (A105)

| DIMENSIONES | | | WELDING NECK 150 Lbs. | | WELDING NECK 300 Lbs. | | SLIP - ON 150 Lbs. | | SLIP - ON 300 Lbs. | |
|-------------|--------|-------|-----------------------|----------|-----------------------|----------|--------------------|--------|--------------------|----------|
| DN | Ø | mm. | COD. | € | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | FN150015 | 6,25 | FN300015 | 9,95 | FO150015 | 4,05 | FO300015 | 7,15 |
| 20 | 3/4" | 26,9 | FN150020 | 8,80 | FN300020 | 16,25 | FO150020 | 7,15 | FO300020 | 11,30 |
| 25 | 1" | 33,7 | FN150025 | 13,80 | FN300025 | 21,35 | FO150025 | 8,20 | FO300025 | 14,35 |
| 32 | 1 1/4" | 42,4 | FN150032 | 17,80 | FN300032 | 27,55 | FO150032 | 10,65 | FO300032 | 18,50 |
| 40 | 1 1/2" | 48,3 | FN150040 | 21,40 | FN300040 | 40,15 | FO150040 | 13,65 | FO300040 | 26,70 |
| 50 | 2" | 60,3 | FN150050 | 32,05 | FN300050 | 45,25 | FO150050 | 21,35 | FO300050 | 34,95 |
| 65 | 2 1/2" | 76,2 | FN150065 | 52,25 | FN300065 | 67,80 | FO150065 | 34,95 | FO300065 | 45,25 |
| 80 | 3" | 88,9 | FN150080 | 61,75 | FN300080 | 92,90 | FO150080 | 39,80 | FO300080 | 62,65 |
| 100 | 4" | 114,3 | FN150100 | 89,05 | FN300100 | 149,50 | FO150100 | 54,40 | FO300100 | 103,75 |
| 125 | 5" | 139,7 | FN150125 | 109,25 | FN300125 | 200,95 | FO150125 | 61,20 | FO300125 | 128,45 |
| 150 | 6" | 168,3 | FN150150 | 130,65 | FN300150 | 253,70 | FO150150 | 72,90 | FO300150 | 166,45 |
| 200 | 8" | 219,1 | FN150200 | 217,30 | FN300200 | 389,35 | FO150200 | 122,40 | FO300200 | 254,80 |
| 250 | 10" | 273,0 | FN150250 | 296,90 | FN300250 | 556,40 | FO150250 | 179,75 | FO300250 | 381,20 |
| 300 | 12" | 323,9 | FN150300 | 463,10 | FN300300 | 803,75 | FO150300 | 272,00 | FO300300 | 513,65 |
| 350 | 14" | 355,6 | FN150350 | 640,50 | FN300350 | 1.105,25 | FO150350 | 369,90 | FO300350 | 719,35 |
| 400 | 16" | 406,4 | FN150400 | 802,60 | FN300400 | 1.419,30 | FO150400 | 472,60 | FO300400 | 996,80 |
| 450 | 18" | 457,0 | FN150450 | 940,80 | FN300450 | 1.682,95 | FO150450 | 513,85 | FO300450 | 1.263,95 |
| 500 | 20" | 508,0 | FN150500 | 1.174,30 | FN300500 | 2.147,75 | FO150500 | 657,70 | FO300500 | 1.366,75 |
| 600 | 24" | 610,0 | FN150600 | 1.507,20 | FN300600 | 2.888,80 | FO150600 | 953,85 | FO300600 | 2.065,60 |

| DIMENSIONES | | | BLIND 150 Lbs. | | BLIND 300 Lbs. | | SOCKET WELDING 150 Lbs. | | WELDING NECK XS 150 Lbs. | |
|-------------|--------|-------|----------------|----------|----------------|----------|-------------------------|-------|--------------------------|--------|
| DN | Ø | mm. | COD. | € | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | FB150015 | 3,35 | FB300015 | 5,85 | FW150015 | 5,00 | FNX15015 | 6,80 |
| 20 | 3/4" | 26,9 | FB150020 | 5,85 | FB300020 | 10,05 | FW150020 | 8,80 | FNX15020 | 9,70 |
| 25 | 1" | 33,7 | FB150025 | 7,50 | FB300025 | 12,60 | FW150025 | 11,30 | FNX15025 | 15,35 |
| 32 | 1 1/4" | 42,4 | FB150032 | 10,90 | FB300032 | 16,70 | FW150032 | 15,05 | FNX15032 | 18,30 |
| 40 | 1 1/2" | 48,3 | FB150040 | 13,35 | FB300040 | 24,25 | FW150040 | 18,75 | FNX15040 | 22,00 |
| 50 | 2" | 60,3 | FB150050 | 20,55 | FB300050 | 28,50 | FW150050 | 28,90 | FNX15050 | 33,00 |
| 65 | 2 1/2" | 76,2 | FB150065 | 32,40 | FB300065 | 42,70 | | | FNX15065 | 53,25 |
| 80 | 3" | 88,9 | FB150080 | 39,50 | FB300080 | 58,65 | | | FNX15080 | 63,45 |
| 100 | 4" | 114,3 | FB150100 | 56,25 | FB300100 | 98,75 | | | FNX15100 | 89,80 |
| 125 | 5" | 139,7 | FB150125 | 71,25 | FB300125 | 129,80 | | | FNX15125 | 109,65 |
| 150 | 6" | 168,3 | FB150150 | 93,40 | FB300150 | 180,85 | | | FNX15150 | 132,35 |
| 200 | 8" | 219,1 | FB150200 | 166,30 | FB300200 | 294,70 | | | FNX15200 | 218,70 |
| 250 | 10" | 273,0 | FB150250 | 237,50 | FB300250 | 477,20 | | | | |
| 300 | 12" | 323,9 | FB150300 | 356,20 | FB300300 | 686,55 | | | | |
| 350 | 14" | 355,6 | FB150350 | 493,95 | FB300350 | 887,60 | | | | |
| 400 | 16" | 406,4 | FB150400 | 661,45 | FB300400 | 1.172,25 | | | | |
| 450 | 18" | 457,0 | FB150450 | 812,25 | FB300450 | 1.490,45 | | | | |
| 500 | 20" | 508,0 | FB150500 | 1.038,35 | FB300500 | 1.867,25 | | | | |
| 600 | 24" | 610,0 | FB150600 | 1.285,65 | FB300600 | 2.838,55 | | | | |


BRIDA PLANA SEGÚN NORMA EN 1092-1 01

| DIMENSIONES | | | BRIDA PLANA SEGÚN NORMA EN 1092-1 01 | | | | | | |
|-------------|--------|---------|--------------------------------------|--------|----------|-------|----------|--------|--|
| | | | PN 6 | | PN 10 | | | | |
| DN | " | mm. | COD. | € | COD. | € | COD. | € | |
| 15 | 1/2" | 21,3 | FC010015 | 2,55 | | | FC014015 | 4,20 | |
| 20 | 3/4" | 26,9 | FC010020 | 3,85 | | | FC014020 | 5,65 | |
| 25 | 1" | 33,7 | FC010025 | 4,60 | | | FC014025 | 6,75 | |
| 32 | 1 1/4" | 42,4 | FC010032 | 7,35 | | | FC014032 | 9,30 | |
| 40 | 1 1/2" | 48,3 | FC010040 | 8,45 | | | FC014040 | 10,65 | |
| 50 | 2" | 60,3 | FC010050 | 8,60 | | | FC016050 | 13,15 | |
| 65 | 2 1/2" | 76,1 | | | | | F2576065 | 16,55 | |
| | 2 1/2" | 76,1 | FC010065 | 10,50 | | | FC016065 | 16,55 | |
| 80 | 3" | 88,9 | FC010080 | 17,25 | F2576080 | 20,85 | FC016080 | 20,95 | |
| 90 | 3 1/2" | 101,6 | | | F2576101 | 31,15 | | | |
| 100 | 4" | 108,0 | | | F2576108 | 23,10 | | | |
| | 4" | 114,3 | FC010100 | 20,15 | | | FC016100 | 22,20 | |
| 125 | 5" | 133,0 | | | F2576133 | 33,55 | | | |
| | 5" | 139,7 | FC010125 | 26,75 | | | FC016125 | 28,95 | |
| 150 | 6" | 159,0 | | | F2576159 | 34,80 | | | |
| | 6" | 168,3 | FC010150 | 30,30 | | | FC016150 | 36,75 | |
| 175 | 7" | 193,7 | | | F2576175 | 51,90 | | | |
| 200 | 8" | 219,1 | FC010200 | 39,95 | | | FC011200 | 51,90 | |
| 250 | 10" | 273,0 | FC010250 | 57,90 | | | FC011250 | 63,00 | |
| 300 | 12" | 323,9 | FC010300 | 75,90 | | | FC011300 | 73,05 | |
| 350 | 14" | 355,6 | FC010350 | 97,40 | | | FC011350 | 117,70 | |
| 400 | 16" | 406,4 | FC010400 | 115,00 | | | FC011400 | 159,45 | |
| 450 | 18" | 457,0 | FC010450 | 133,80 | | | FC011450 | 214,45 | |
| 500 | 20" | 508,0 | FC010500 | 153,75 | | | FC011500 | 234,80 | |
| 600 | 24" | 610,0 | | | | | FC011600 | 314,00 | |
| | 24" | 610,0 | | | | | F2576600 | 281,20 | |
| 700 | 28" | 711,0 | | | | | F2576700 | 356,75 | |
| 800 | 32" | 813,0 | | | | | F2576800 | 497,70 | |
| 900 | 36" | 914,0 | | | | | F2576900 | 598,75 | |
| 1000 | 40" | 1.016,0 | | | | | F2576999 | 738,30 | |

Bridas no normalizadas
 4 Agujeros
 Según DIN 2576
 Según DIN 2502

BRIDA PLANA SEGÚN NORMA EN 1092-1 01

| PN 16 | | PN 25 | | PN 40 | | | |
|-----------|--------|----------|----------|----------|--------|----------|--------|
| COD. | € | COD. | € | COD. DIN | € | COD. DIN | € |
| | | FC014015 | 4,20 | FC014015 | 4,20 | FC014015 | 4,20 |
| | | FC014020 | 5,65 | FC014020 | 5,65 | FC014020 | 5,65 |
| | | FC014025 | 6,75 | FC014025 | 6,75 | FC014025 | 6,75 |
| | | FC014032 | 9,30 | FC014032 | 9,30 | FC014032 | 9,30 |
| | | FC014040 | 10,65 | FC014040 | 10,65 | FC014040 | 10,65 |
| | | FC016050 | 13,15 | FC016050 | 13,15 | FC016050 | 13,15 |
| | | F2576065 | 16,55 | | | | |
| | | FC016065 | 16,55 | FC014065 | 18,75 | FC014065 | 18,75 |
| | | FC016080 | 20,95 | FC014080 | 25,35 | FC014080 | 25,35 |
| | | | | | | | |
| | | FC016100 | 22,20 | FC014100 | 33,60 | FC014100 | 33,60 |
| | | | | | | | |
| | | FC016125 | 28,95 | FC014125 | 45,85 | FC014125 | 45,85 |
| | | | | | | | |
| | | FC016150 | 36,75 | FC014150 | 58,85 | FC014150 | 58,85 |
| | | | | | | | |
| F2502200* | 54,50 | FC016200 | 75,70 | FC012200 | 79,20 | FC014200 | 98,95 |
| | | FC016250 | 110,50 | FC012250 | 112,95 | FC014250 | 156,95 |
| F2502300* | 92,00 | FC016300 | 147,90 | FC012300 | 160,55 | FC014300 | 214,85 |
| | | FC016350 | 232,05 | FC012350 | 280,70 | FC014350 | 389,40 |
| | | FC016400 | 295,50 | FC012400 | 300,45 | FC014400 | 463,10 |
| F2502450* | 305,30 | FC016450 | 379,45 | | | | |
| | | FC016500 | 470,15 | FC012500 | 485,15 | FC014500 | 542,45 |
| | | FC016600 | 521,55 | | | | |
| | | F2502600 | 401,00 | | | | |
| | | F2502700 | 458,90 | | | | |
| | | F2502800 | 576,70 | | | | |
| | | F2502900 | 726,85 | | | | |
| | | F2502999 | 1.046,65 | | | | |

* Hasta fin de existencias


BRIDA CIEGA SEGÚN NORMA EN 1092-1 05

| DIMENSIONES | | | BRIDA CIEGA SEGÚN NORMA EN 1092-1 05 | | | |
|-------------|--------|---------|--------------------------------------|--------|----------|----------|
| | | | PN 6 | | PN 10 | |
| DN | " | mm. | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | FC050015 | 4,40 | FC054015 | 4,55 |
| 20 | 3/4" | 26,9 | FC050020 | 5,95 | FC054020 | 6,10 |
| 25 | 1" | 33,7 | FC050025 | 7,35 | FC054025 | 7,45 |
| 32 | 1 1/4" | 42,4 | FC050032 | 10,05 | FC054032 | 10,25 |
| 40 | 1 1/2" | 48,3 | FC050040 | 11,75 | FC054040 | 12,00 |
| 50 | 2" | 60,3 | FC050050 | 16,10 | FC056050 | 16,25 |
| 65 | 2 1/2" | 76,1 | | | F2527065 | 20,55 |
| | 2 1/2" | 76,1 | FC050065 | 20,35 | FC056065 | 20,55 |
| 80 | 3" | 88,9 | FC050080 | 26,60 | FC056080 | 26,85 |
| 100 | 4" | 114,3 | FC050100 | 31,40 | FC056100 | 31,70 |
| 125 | 5" | 139,7 | FC050125 | 47,05 | FC056125 | 47,20 |
| 150 | 6" | 168,3 | FC050150 | 57,40 | FC056150 | 58,35 |
| 200 | 8" | 219,1 | FC050200 | 91,10 | FC051200 | 91,20 |
| 250 | 10" | 273,0 | FC050250 | 134,55 | FC051250 | 141,80 |
| 300 | 12" | 323,9 | FC050300 | 173,20 | FC051300 | 199,85 |
| 350 | 14" | 355,6 | | | FC051350 | 273,65 |
| 400 | 16" | 406,4 | | | FC051400 | 297,60 |
| 450 | 18" | 457,0 | | | FC051450 | 480,85 |
| 500 | 20" | 508,0 | | | FC051500 | 487,25 |
| 600 | 24" | 610,0 | | | FC051600 | 626,50 |
| | 24" | 610,0 | | | F5271600 | 592,10 |
| 700 | 28" | 711,0 | | | F5271700 | 839,60 |
| 800 | 32" | 813,0 | | | F5271800 | 1.230,55 |
| 900 | 36" | 914,0 | | | F5271900 | 1.859,15 |
| 1000 | 40" | 1.016,0 | | | F5271999 | 2.390,90 |

Bridas no normalizadas
 4 Agujeros
 Según DIN 2527

BRIDA CIEGA SEGÚN NORMA EN 1092-1 05

| PN 16 | | PN 25 | | PN 40 | | | |
|----------|----------|----------|--------|-----------|----------|----------|----------|
| COD. | € | COD. | € | COD. DIN | € | COD. | € |
| FC054015 | 4,55 | FC054015 | 4,55 | | | FC054015 | 4,55 |
| FC054020 | 6,10 | FC054020 | 6,10 | | | FC054020 | 6,10 |
| FC054025 | 7,45 | FC054025 | 7,45 | | | FC054025 | 7,45 |
| FC054032 | 10,25 | FC054032 | 10,25 | | | FC054032 | 10,25 |
| FC054040 | 12,00 | FC054040 | 12,00 | | | FC054040 | 12,00 |
| FC056050 | 16,25 | FC054050 | 17,80 | | | FC054050 | 17,80 |
| F2527065 | 20,55 | | | | | | |
| FC056065 | 20,55 | FC054065 | 23,85 | | | FC054065 | 23,85 |
| FC056080 | 26,85 | FC054080 | 32,90 | | | FC054080 | 32,90 |
| FC056100 | 31,70 | FC054100 | 42,10 | | | FC054100 | 42,10 |
| FC056125 | 47,20 | FC054125 | 60,40 | | | FC054125 | 60,40 |
| FC056150 | 58,35 | FC054150 | 80,80 | | | FC054150 | 80,80 |
| FC056200 | 92,00 | FC052200 | 131,90 | | | FC054200 | 162,95 |
| FC056250 | 142,25 | FC052250 | 198,15 | | | FC054250 | 265,80 |
| FC056300 | 200,50 | FC052300 | 273,55 | | | FC054300 | 379,80 |
| FC056350 | 305,60 | FC052350 | 402,00 | | | FC054350 | 539,70 |
| FC056400 | 382,55 | FC052400 | 540,30 | | | FC054400 | 783,95 |
| FC056450 | 567,60 | | | | | | |
| FC056500 | 614,40 | FC052500 | 831,35 | F5274500* | 1.036,20 | FC054500 | 1.072,85 |
| FC056600 | 969,95 | | | | | | |
| F2527600 | 909,65 | | | | | | |
| F2527700 | 1.072,40 | | | | | | |
| F2527800 | 1.470,05 | | | | | | |
| F2527900 | 2.099,55 | | | | | | |
| F2527999 | 2.817,60 | | | | | | |

* Hasta fin de existencias


BRIDA CUELLO SEGÚN NORMA EN 1092-1 11

| DIMENSIONES | | | BRIDA CUELLO SEGÚN NORMAS EN 1092-1 11 | | | | | |
|-------------|--------|---------|--|--------|-----------------|--------|-----------------|--------|
| | | | PN 6 | | PN 10 | | | |
| DN | " | mm. | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | F2631015 | 4,20 | F2633015 | 8,30 | FC114015 | 9,15 |
| 20 | 3/4" | 26,9 | F2631020 | 6,35 | F2633020 | 10,10 | FC114020 | 12,05 |
| 25 | 1" | 33,7 | F2631025 | 8,00 | F2633025 | 11,55 | FC114025 | 14,30 |
| 32 | 1 1/4" | 42,4 | F2631032 | 11,60 | F2633032 | 17,00 | FC114032 | 17,55 |
| 40 | 1 1/2" | 48,3 | F2631040 | 12,60 | F2633040 | 18,75 | FC114040 | 21,65 |
| 50 | 2" | 60,3 | F2631050 | 14,25 | F2633050 | 25,50 | FC116050 | 22,30 |
| 65 | 2 1/2" | 76,1 | F2631065 | 16,00 | F2633065 | 27,95 | FC116065 | 24,40 |
| 80 | 3" | 88,9 | F2631080 | 26,05 | F2633080 | 33,60 | FC116080 | 29,45 |
| 90 | 3 1/2" | 108,0 | | | F2633108 | 48,85 | | |
| 100 | 4" | 114,3 | F2631100 | 31,15 | F2633100 | 42,10 | FC116100 | 36,80 |
| 125 | 5" | 133,0 | | | F2633133 | 66,55 | | |
| 125 | 5" | 139,7 | F2631125 | 43,10 | F2633125 | 66,55 | FC116125 | 58,20 |
| 150 | 6" | 159,0 | | | F2633159 | 81,90 | | |
| 150 | 6" | 168,3 | F2631150 | 54,80 | F2633150 | 70,70 | FC116150 | 61,75 |
| 200 | 8" | 219,1 | F2631200 | 98,65 | F2632200 | 103,00 | FC111200 | 85,95 |
| 250 | 10" | 273,0 | F2631250 | 136,95 | F2632250 | 148,30 | FC111250 | 129,60 |
| 300 | 12" | 323,9 | F2631300 | 148,95 | F2632300 | 175,50 | FC111300 | 153,40 |
| 350 | 14" | 355,6 | F2631350 | 196,80 | F2632350 | 250,85 | FC111350 | 219,25 |
| 400 | 16" | 406,4 | F2631400 | 225,45 | F2632400 | 288,40 | FC111400 | 252,05 |
| 450 | 18" | 457,0 | | | F2632450 | 489,55 | | |
| 500 | 20" | 508,0 | F2631500 | 362,60 | F2632500 | 441,65 | FC111500 | 426,45 |
| 600 | 24" | 609,0 | | | | | | |
| 700 | 28" | 711,0 | | | | | | |
| 800 | 32" | 813,0 | | | | | | |
| 900 | 36" | 914,0 | | | | | | |
| 1000 | 40" | 1.016,0 | | | | | | |
| | | | MATERIAL P250GH | | MATERIAL P250GH | | MATERIAL P245GH | |

 Bridas no normalizadas

 4 Agujeros

 Según DIN 2633

 Según DIN 2635

BRIDA CUELLO SEGÚN NORMAS EN 1092-1 11

| PN 16 | | PN 25 | | | | PN 40 | | | | | |
|-----------------|----------|-----------------|--------|-----------------|----------|-----------------|-------|-----------------|----------|-----------------|--------|
| COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € |
| F2633015 | 8,30 | FC114015 | 9,15 | F2635015 | 9,50 | FC114015 | 9,15 | F2635015 | 9,50 | FC114015 | 9,15 |
| F2633020 | 10,10 | FC114020 | 12,05 | F2635020 | 12,85 | FC114020 | 12,05 | F2635020 | 12,85 | FC114020 | 12,05 |
| F2633025 | 11,55 | FC114025 | 14,30 | F2635025 | 16,40 | FC114025 | 14,30 | F2635025 | 16,40 | FC114025 | 14,30 |
| F2633032 | 17,00 | FC114032 | 17,55 | F2635032 | 19,95 | FC114032 | 17,55 | F2635032 | 19,95 | FC114032 | 17,55 |
| F2633040 | 18,75 | FC114040 | 21,65 | F2635040 | 24,80 | FC114040 | 21,65 | F2635040 | 24,80 | FC114040 | 21,65 |
| F2633050 | 25,50 | FC116050 | 22,30 | F2635050 | 28,40 | FC114050 | 25,45 | F2635050 | 28,40 | FC114050 | 25,45 |
| F2633065 | 27,95 | FC116065 | 24,40 | F2635065 | 34,05 | FC114065 | 30,60 | F2635065 | 34,05 | FC114065 | 30,60 |
| F2633080 | 33,60 | FC116080 | 29,45 | F2635080 | 43,25 | FC114080 | 40,85 | F2635080 | 43,25 | FC114080 | 40,85 |
| F2633108 | 48,85 | | | | | | | | | | |
| F2633100 | 42,10 | FC116100 | 36,80 | F2635100 | 59,40 | FC114100 | 51,35 | F2635100 | 59,40 | FC114100 | 51,35 |
| F2633133 | 66,55 | | | | | | | | | | |
| F2633125 | 66,55 | FC116125 | 58,20 | F2635125 | 82,55 | FC114125 | 80,05 | F2635125 | 82,55 | FC114125 | 80,05 |
| F2633159 | 81,90 | | | | | | | | | | |
| F2633150 | 70,70 | FC116150 | 61,75 | F2635150 | 107,45 | FC114150 | 93,80 | F2635150 | 107,45 | FC114150 | 93,80 |
| F2633200 | 105,55 | FC116200 | 87,60 | F2634200 | 180,75 | | | F2635200 | 195,95 | FC114200 | 178,55 |
| F2633250 | 157,30 | FC116250 | 137,45 | F2634250 | 259,35 | | | F2635250 | 351,95 | FC114250 | 291,70 |
| F2633300 | 221,85 | FC116300 | 193,80 | F2634300 | 331,70 | | | F2635300 | 501,10 | FC114300 | 475,10 |
| F2633350 | 314,60 | FC116350 | 274,95 | F2634350 | 501,95 | | | F2635350 | 796,60 | | |
| F2633400 | 396,30 | FC116400 | 346,25 | F2634400 | 656,10 | | | F2635400 | 973,00 | | |
| F2633450 | 591,95 | | | F2634450 | 820,60 | | | F2635450 | 1.017,70 | | |
| F2633500 | 773,30 | FC116500 | 470,55 | F2634500 | 1.135,80 | | | F2635500 | 1.179,80 | | |
| F2633600 | 956,35 | FC116600 | 539,10 | | | | | | | | |
| F2633700 | 976,15 | | | | | | | | | | |
| F2633800 | 1.280,35 | | | | | | | | | | |
| F2633900 | 1.546,60 | | | | | | | | | | |
| F2633999 | 2.053,70 | | | | | | | | | | |
| MATERIAL P250GH | | MATERIAL P245GH | | MATERIAL P250GH | | MATERIAL P245GH | | MATERIAL P250GH | | MATERIAL P245GH | |

| DIMENSIONES | | | BRIDA RIEGO | | BRIDA DIN 2642 | | BRIDA 2573 ROSC. | | BRIDA 2576 ROSC. | |
|-------------|--------|-------|-------------|-------|----------------|-------|------------------|-------|------------------|-------|
| | | | | | PN 10 ZINCADA | | PN 6 ZINCADA | | PN 10/16 ZINCADA | |
| DN | " | mm. | COD. | € | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | | | | | F573O015 | 4,45 | F576O015 | 7,85 |
| 20 | 3/4" | 26,9 | | | | | F573O020 | 6,50 | F576O020 | 11,20 |
| 25 | 1" | 33,7 | | | F2642025 | 7,85 | F573O025 | 8,00 | F576O025 | 13,20 |
| 32 | 1 1/4" | 42,4 | | | F2642032 | 10,50 | F573O032 | 12,80 | F576O032 | 19,20 |
| 40 | 1 1/2" | 48,3 | F576R040 | 8,95 | F2642040 | 12,10 | F573O040 | 15,05 | F576O040 | 22,05 |
| 50 | 2" | 60,3 | F576R050 | 9,40 | F2642050 | 13,80 | F573O050 | 16,55 | F576O050 | 29,35 |
| 65 | 2 1/2" | 76,1 | F576R065 | 11,45 | F2642065 | 16,45 | F573O065 | 20,50 | F576O065 | 32,50 |
| 80 | 3" | 88,9 | F576R080 | 13,55 | F2642080 | 20,90 | F573O080 | 32,25 | F576O080 PN 10 | 41,15 |
| 80 | 3" | 88,9 | F576R816 | 13,55 | | | | | F576O086 PN 16 | 41,15 |
| 100 | 4" | 114,3 | F576R100 | 13,70 | F2642100 | 23,10 | F573O100 | 37,45 | F576O100 | 43,65 |
| 125 | 5" | 139,7 | F576R125 | 16,95 | F2642125 | 28,60 | F573O125 | 49,85 | F576O125 | 59,05 |
| 150 | 6" | 168,3 | F576R150 | 23,80 | F2642150 | 35,25 | F573O150 | 38,95 | F576O150 | 71,15 |
| 200 | 8" | 219,1 | F576R200 | 31,10 | F2642200 | 46,95 | | | | |
| 200 | 8" | 219,1 | F576R216 | 31,10 | | | | | | |
| 250 | 10" | 273,0 | F576R250 | 39,25 | F2642250 | 64,80 | | | | |
| 300 | 12" | 323,9 | F576R300 | 43,75 | F2642300 | 87,95 | | | | |

Con 8 agujeros PN 16

Con 12 agujeros PN 16

| DIMENSIONES | | | BRIDA ZINCADA PARA PORTABRIDAS DE PE | | | | | | | |
|-------------|---------------|----------------|--------------------------------------|--------|--------------------|--------|--------------------|--------|--------------------|--------|
| | | | SERIE NORMAL PN 10 | | SERIE LIGERA PN 10 | | SERIE NORMAL PN 16 | | SERIE LIGERA PN 16 | |
| DN | PE Ø EXT (mm) | PVC Ø EXT (mm) | COD. | € | COD. | € | COD. | € | COD. | € |
| 15 | 20 | | FPE10015 | 5,15 | | | FPE10015 | 5,15 | | |
| 20 | 25 | | FPE10020 | 7,10 | | | FPE10020 | 7,10 | | |
| 25 | 32 | | FPE10025 | 8,30 | | | FPE10025 | 8,30 | | |
| 32 | 40 | | FPE10032 | 11,20 | | | FPE10032 | 11,20 | | |
| 40 | 50 | | FPE10040 | 14,80 | FPR10040 | 8,55 | FPE10040 | 14,80 | FPR10040 | 8,55 |
| 50 | | 50 | | | | | | | | |
| 50 | 63 | 63 | FPE10050 | 15,85 | FPR10050 | 11,70 | FPE10050 | 15,85 | FPR10050 | 11,70 |
| 65 | | 63 | | | | | | | | |
| 65 | 75 | 75 | FPE10065 | 20,50 | FPR10065 | 14,45 | FPE10065 | 20,50 | FPR10065 | 14,45 |
| 80 | 90 | 90 | FPE10080 | 22,35 | FPR10080 | 14,90 | FPE10080 | 22,35 | FPR10080 | 14,90 |
| 100 | 110 | 110 | FPE10100 | 27,40 | FPR10100 | 20,15 | FPE10100 | 27,40 | FPR10100 | 20,15 |
| 100 | 125 | | FPE10101 | 23,70 | FPR10101 | 18,85 | FPE10101 | 23,70 | FPR10101 | 18,85 |
| 125 | 125 | 125 | FPE10125 | 39,55 | FPR10125 | 28,35 | FPE10125 | 39,55 | FPR10125 | 28,35 |
| 125 | 140 | 140 | FPE10126 | 33,15 | FPR10126 | 23,95 | FPE10126 | 33,15 | FPR10126 | 23,95 |
| 150 | 160 | 160 | FPE10150 | 43,40 | FPR10150 | 31,25 | FPE10150 | 43,40 | FPR10150 | 31,25 |
| 150 | 180 | | FPE10151 | 39,80 | FPR10151 | 28,75 | FPE10151 | 39,80 | FPR10151 | 28,75 |
| 200 | 200 | 200 | FPE10200 | 58,25 | FPR10200 | 41,80 | FPE16200 | 59,85 | FPR16200 | 42,35 |
| 200 | 225 | | | | | | FPE16201 | 54,90 | FPR16201 | 40,65 |
| 250 | 250 | 250 | FPE10250 | 75,30 | FPR10250 | 64,35 | FPE16250 | 81,45 | FPR16250 | 70,00 |
| 300 | 315 | 315 | FPE10300 | 89,10 | FPR10300 | 82,15 | FPE16300 | 109,80 | FPR16300 | 93,95 |
| 350 | 355 | | FPE10350 | 130,30 | FPR10350 | 121,70 | FPE16350 | 171,80 | FPR16350 | 135,80 |
| 400 | 400 | | FPE10400 | 174,10 | FPR10400 | 151,95 | FPE16400 | 192,85 | FPR16400 | 157,50 |
| 450 | 450 | | | | FPR10450 | 165,55 | | | FPR16450 | 173,85 |
| 500 | 500 | | | | FPR10500 | 176,45 | | | FPR16500 | 207,35 |
| 600 | 560 | | | | FPR10600 | 253,70 | | | | |
| 600 | 630 | | | | FPR10601 | 221,95 | | | | |
| 700 | 710 | | | | FPR10700 | 269,40 | | | | |
| 800 | 800 | | | | FPR10800 | 398,40 | | | | |

| BRIDA CUELLO ROSCADA DIN 2566 | | | | | BRIDA CUELLO ROSCADA EN 1092-1 TIPO 13 | | | | | | | |
|-------------------------------|-------|-------------|-------|------------|--|-------------|-------|-------------|-------|-------------|-------|--|
| PN 16 NEGRA | | PN 16 GALVA | | PN 6 NEGRA | | PN 16 NEGRA | | PN 16 GALVA | | PN 40 NEGRA | | |
| COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | |
| F5660015 | 6,50 | F566G015 | 7,70 | FC130015 | 3,80 | FC134015 | 7,65 | | | FC134015 | 7,65 | |
| F5660020 | 9,70 | F566G020 | 11,45 | FC130020 | 5,85 | FC134020 | 10,35 | | | FC134020 | 10,35 | |
| F5660025 | 12,25 | F566G025 | 13,80 | FC130025 | 7,30 | FC134025 | 12,45 | | | FC134025 | 12,45 | |
| F5660032 | 17,00 | F566G032 | 20,15 | FC130032 | 10,35 | FC134032 | 18,05 | | | FC134032 | 18,05 | |
| F5660040 | 19,00 | F566G040 | 22,35 | FC130040 | 12,00 | FC134040 | 20,50 | | | FC134040 | 20,50 | |
| F5660050 | 25,85 | F566G050 | 30,55 | FC130050 | 13,40 | FC136050 | 23,80 | F566G050 | 30,55 | | | |
| F5660065 | 30,55 | F566G065 | 36,75 | FC130065 | 18,30 | FC136065 | 29,65 | F566G065 | 36,75 | | | |
| F5660080 | 39,60 | F566G080 | 47,50 | FC130080 | 27,40 | FC136080 | 37,60 | F566G080 | 47,50 | | | |
| | | | | | | | | | | | | |
| F5660100 | 42,90 | F566G100 | 51,65 | | | FC136100 | 43,60 | F566G100 | 51,65 | | | |
| F5660125 | 62,90 | F566G125 | 70,85 | | | FC136125 | 60,45 | F566G125 | 70,85 | | | |
| F5660150 | 81,60 | F566G150 | 91,45 | | | FC136150 | 72,10 | F566G150 | 91,45 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| BRIDA ZINCADA PARA PORTABRIDAS DE PVC | | | | |
|---------------------------------------|-------|----------|-------|--|
| PN 10 | | PN 16 | | |
| COD. | € | COD. | € | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| FPVC0050 | 11,20 | FPVC0050 | 11,20 | |
| FPR10050 | 11,70 | FPR10050 | 11,70 | |
| FPVC0063 | 13,55 | FPVC0063 | 13,55 | |
| FPVC0075 | 13,55 | FPVC0075 | 13,55 | |
| FPVC0090 | 15,40 | FPVC0090 | 15,40 | |
| FPVC0110 | 16,40 | FPVC0110 | 16,40 | |
| | | | | |
| FPVC0125 | 20,10 | FPVC0125 | 20,10 | |
| FPVC0140 | 20,10 | FPVC0140 | 20,10 | |
| FPVC0160 | 24,25 | FPVC0160 | 24,25 | |
| | | | | |
| FPVC0200 | 36,85 | FPVC6200 | 36,85 | |
| | | | | |
| FPVC0250 | 44,20 | FPVC6250 | 44,20 | |
| FPVC0315 | 51,30 | FPVC6315 | 51,30 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |



JUNTA DE GOMA


Tipo 1

Tipo 2

Según Norma EN 1514-1 (Tipo 1) y DIN 2690 (Tipo 2).
 Juntas de 3 mm. de espesor.
 Conservan sus propiedades:
 SBR: entre -10° C y 100° C.
 NBR: entre -10° C y 80° C.

■ PN 10
 ■ PN 10/16
 ■ PN 16

| DN | TIPO 1 | | TIPO 1 SBR | | TIPO 1 NBR | | TIPO 2 SBR | |
|-----|-------------|----|------------|-------|------------|------|------------|------|
| | Nº TALADROS | | COD. | € | COD. | € | COD. | € |
| 25 | 4 | 10 | JBG10025 | 0,52 | JBG1N025 | 0,78 | JBG20025 | 0,28 |
| 32 | 4 | 10 | JBG10032 | 0,62 | JBG1N032 | 1,00 | JBG20032 | 0,34 |
| 40 | 4 | 10 | JBG10040 | 0,77 | JBG1N040 | 1,20 | JBG20040 | 0,36 |
| 50 | 4 | 10 | JBG10050 | 0,89 | JBG1N050 | 1,50 | JBG20050 | 0,48 |
| 65 | 8 | 10 | JBG10065 | 1,10 | JBG1N065 | 1,60 | JBG20065 | 0,60 |
| 80 | 8 | 10 | JBG10080 | 1,20 | JBG1N080 | 1,85 | JBG20080 | 0,67 |
| 80 | | 10 | | | | | JBG20086 | 0,67 |
| 100 | 8 | 10 | JBG10100 | 1,30 | JBG1N100 | 2,15 | JBG20100 | 0,73 |
| 125 | 8 | 10 | JBG10125 | 1,60 | JBG1N125 | 2,40 | JBG20125 | 1,00 |
| 150 | 8 | 10 | JBG10150 | 2,05 | JBG1N150 | 3,35 | JBG20150 | 1,15 |
| 175 | 8 | 10 | JBG10175 | 2,45 | | | JBG20175 | 1,30 |
| 200 | 8 | 10 | JBG10200 | 2,65 | JBG1N200 | 4,25 | JBG20200 | 1,50 |
| 200 | 12 | 10 | JBG10216 | 2,65 | | | JBG20206 | 1,50 |
| 250 | 12 | 10 | JBG10250 | 3,55 | | | JBG20250 | 2,00 |
| 250 | 12 | 10 | JBG10256 | 3,55 | | | JBG20256 | 2,00 |
| 300 | 12 | 10 | JBG10300 | 4,55 | | | JBG20300 | 2,95 |
| 300 | 12 | 10 | JBG10306 | 4,55 | | | JBG20306 | 2,95 |
| 350 | 16 | 5 | JBG10350 | 6,00 | | | JBG20350 | 4,70 |
| 350 | 16 | 5 | JBG10356 | 6,00 | | | JBG20356 | 4,70 |
| 400 | 16 | 5 | JBG10400 | 7,05 | | | JBG20400 | 5,10 |
| 400 | 16 | 5 | JBG10406 | 7,05 | | | JBG20406 | 5,10 |
| 450 | 20 | 5 | JBG10450 | 8,40 | | | JBG20450 | 6,10 |
| 450 | 20 | 5 | JBG10456 | 8,40 | | | JBG20456 | 6,10 |
| 500 | 20 | 5 | JBG10500 | 12,40 | | | JBG20500 | 7,35 |
| 500 | 20 | 5 | JBG10506 | 12,40 | | | JBG20506 | 7,35 |

JUNTA EN CARTÓN COMPRIMIDO


Fabricadas con fibras orgánicas y fibras minerales. **SIN AMIANTO.**
 Espesor 1,5 mm.
 Temperatura máxima de uso 150° C.
 Presión máxima 35 kgs./cm².
 Aplicaciones: agua, aire, aceites y grasas, disolventes.

| JUNTAS PARA BRIDAS SIN TALADROS DIN 2690 | | | | | |
|--|--------|--------|----|----------|-------|
| DN | Ø EXT. | Ø INT. | | COD. | € |
| 15 | 50 | 20 | 25 | JBKSA015 | 0,24 |
| 20 | 60 | 25 | 25 | JBKSA020 | 0,24 |
| 25 | 70 | 30 | 25 | JBKSA025 | 0,30 |
| 32 | 82 | 40 | 25 | JBKSA032 | 0,33 |
| 40 | 92 | 50 | 25 | JBKSA040 | 0,44 |
| 50 | 107 | 60 | 25 | JBKSA050 | 0,50 |
| 65 | 127 | 77 | 25 | JBKSA065 | 0,69 |
| 80 | 142 | 90 | 25 | JBKSA080 | 0,78 |
| 100 | 162 | 114 | 25 | JBKSA100 | 1,00 |
| 125 | 192 | 140 | 25 | JBKSA125 | 1,25 |
| 150 | 218 | 168 | 25 | JBKSA150 | 1,70 |
| 200 | 273 | 220 | 25 | JBKSA200 | 2,35 |
| 250 | 328 | 273 | 10 | JBKSA250 | 3,40 |
| 300 | 378 | 325 | 10 | JBKSA300 | 4,75 |
| 350 | 438 | 368 | 10 | JBKSA350 | 7,30 |
| 400 | 490 | 420 | 5 | JBKSA400 | 8,75 |
| 500 | 595 | 520 | 5 | JBKSA500 | 13,95 |
| 600 | 680 | 620 | 1 | JBKSA600 | 27,00 |

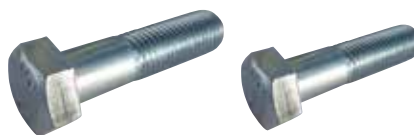
JUNTA SINTÉTICA


Su **DISEÑO EXCLUSIVO** permite realizar un centrado exacto en los diferentes modelos de Bridas.
 Fabricadas en Polietileno.
 Temperatura máxima de uso 40° C. Presión máxima 16 kgs./cm².
 Resistentes a ácidos diluidos, álcalis, soluciones salinas, agua, alcohol, esteres, aceites.
 Son impermeables, imputrescibles y anticorrosivas.

| DN | Ø | COD. | € |
|-----|--------|----------|-------|
| 40 | 1 1/2" | JBP00040 | 2,20 |
| 50 | 2" | JBP00050 | 2,25 |
| 65 | 2 1/2" | JBP00065 | 2,45 |
| 80 | 3" | JBP00080 | 2,85 |
| 100 | 4" | JBP00100 | 3,00 |
| 125 | 5" | JBP00125 | 3,30 |
| 150 | 6" | JBP00150 | 3,50 |
| 200 | 8" | JBP00200 | 5,35 |
| 250 | 10" | JBP00250 | 12,10 |
| 300 | 12" | JBP00300 | 19,00 |
| 400 | 16" | JBP00400 | 30,40 |
| 500 | 20" | JBP00500 | 54,35 |

TORNILLO HEXAGONAL DIN 931 - 8.8 - Zincado

NEW



| MEDIDA | LONGITUD | | COD. | € 100 UNID. |
|--------|----------|-----|------------|----------------|
| M8 | 60 | 200 | T8310860 * | 22,40 |
| M10 | 50 | 100 | T8311050 | 33,60 |
| M10 | 60 | 100 | T8311060 * | 37,80 |
| M10 | 70 | 100 | T8311070 | 43,40 |
| M10 | 80 | 100 | T8311080 | 49,00 |
| M10 | 90 | 100 | T8311090 | 53,20 |
| M10 | 100 | 50 | T8311010 * | 58,80 |
| M10 | 120 | 50 | T8311012 * | 70,00 |
| M12 | 40 | 100 | T8311240 * | 40,60 |
| M12 | 50 | 100 | T8311250 | 47,60 |
| M12 | 55 | 100 | T8311255 * | 51,80 |
| M12 | 60 | 100 | T8311260 * | 54,60 |
| M12 | 70 | 50 | T8311270 | 61,60 |
| M12 | 80 | 50 | T8311280 | 68,60 |
| M12 | 90 | 50 | T8311290 * | 75,60 |
| M12 | 100 | 50 | T8311210 * | 82,60 |
| M12 | 110 | 50 | T8311211 * | 89,60 |
| M12 | 120 | 50 | T8311212 * | 95,20 |
| M12 | 140 | 50 | T8311214 | 109,20 |
| M14 | 50 | 50 | T8311450 * | 67,20 |
| M14 | 55 | 50 | T8311455 * | 72,80 |
| M14 | 60 | 50 | T8311460 * | 77,00 |
| M14 | 70 | 50 | T8311470 * | 86,80 |
| M14 | 80 | 50 | T8311480 * | 95,20 |
| M14 | 90 | 50 | T8311490 * | 103,60 |
| M14 | 100 | 50 | T8311410 * | 113,40 |
| M14 | 120 | 50 | T8311412 * | 134,40 |
| M14 | 130 | 50 | T8311413 * | 140,00 |
| M14 | 140 | 50 | T8311414 * | 154,00 |
| M16 | 50 | 50 | T8311650 | 88,20 |
| M16 | 55 | 50 | T8311655 * | 93,80 |
| M16 | 60 | 50 | T8311660 | 100,80 |
| M16 | 65 | 50 | T8311665 | 107,80 |
| M16 | 70 | 50 | T8311670 | 113,40 |
| M16 | 75 | 50 | T8311675 * | 120,40 |
| M16 | 80 | 25 | T8311680 | 127,40 |
| M16 | 90 | 25 | T8311690 | 140,00 |
| M16 | 100 | 25 | T8311610 | 154,00 |
| M16 | 110 | 25 | T8311611 | 168,00 |
| M16 | 120 | 25 | T8311612 | 175,00 |
| M16 | 130 | 25 | T8311613 | 189,00 |
| M16 | 140 | 25 | T8311614 | 203,00 |
| M16 | 150 | 25 | T8311615 | 217,00 |
| M16 | 160 | 25 | T8311616 | 238,00 |
| M16 | 180 | 25 | T8311618 | 266,00 |
| M16 | 200 | 25 | T8311620 * | 308,00 |
| M18 | 60 | 25 | T8311860 | 131,60 |
| M18 | 70 | 25 | T8311870 | 147,00 |
| M18 | 80 | 25 | T8311880 | 161,00 |
| M18 | 90 | 25 | T8311890 | 182,00 |
| M18 | 100 | 25 | T8311810 * | 196,00 |
| M18 | 110 | 25 | T8311811 * | 210,00 |
| M18 | 120 | 25 | T8311812 | 231,00 |
| M18 | 130 | 25 | T8311813 | 245,00 |
| M18 | 140 | 25 | T8311814 * | 259,00 |
| M18 | 150 | 25 | T8311815 * | 273,00 |
| M18 | 160 | 25 | T8311816 * | 301,00 |
| M18 | 180 | 25 | T8311818 | 336,00 |
| M18 | 200 | 20 | T8311820 | 399,00 |

| MEDIDA | LONGITUD | | COD. | € 100 UNID. |
|--------|----------|----|------------|----------------|
| M20 | 60 | 25 | T8312060 | 161,00 |
| M20 | 70 | 25 | T8312070 | 189,00 |
| M20 | 80 | 25 | T8312080 | 210,00 |
| M20 | 90 | 25 | T8312090 | 252,00 |
| M20 | 100 | 25 | T8312010 | 273,00 |
| M20 | 110 | 25 | T8312011 | 294,00 |
| M20 | 120 | 25 | T8312012 | 315,00 |
| M20 | 130 | 25 | T8312013 | 336,00 |
| M20 | 140 | 25 | T8312014 | 336,00 |
| M20 | 150 | 25 | T8312015 | 343,00 |
| M20 | 160 | 25 | T8312016 | 378,00 |
| M20 | 180 | 20 | T8312018 | 420,00 |
| M20 | 200 | 20 | T8312020 * | 462,00 |
| M22 | 70 | 50 | T8312270 * | 245,00 |
| M22 | 80 | 50 | T8312280 | 273,00 |
| M22 | 90 | 25 | T8312290 * | 301,00 |
| M22 | 100 | 20 | T8312210 * | 329,00 |
| M22 | 110 | 30 | T8312211 * | 350,00 |
| M24 | 100 | 30 | T8312410 | 413,00 |
| M24 | 110 | 30 | T8312411 | 448,00 |
| M24 | 120 | 30 | T8312412 | 483,00 |
| M24 | 130 | 30 | T8312413 * | 504,00 |
| M24 | 140 | 25 | T8312414 * | 532,00 |
| M24 | 150 | 25 | T8312415 | 574,00 |
| M24 | 160 | 25 | T8312416 * | 616,00 |
| M24 | 180 | 20 | T8312418 * | 679,00 |
| M24 | 200 | 20 | T8312420 * | 742,00 |
| M27 | 120 | 10 | T8312712 * | 672,00 |
| M30 | 130 | 25 | T8313013 | 896,00 |
| M33 | 140 | 5 | T8313314 * | 1.253,00 |



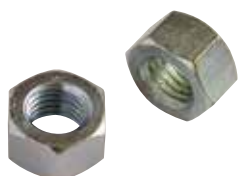
TORNILLO HEXAGONAL DIN 933 - 8.8 - Zincado

NEW



| MEDIDA | LONGITUD | | COD. | € 100 UNID. |
|--------|----------|----|----------|----------------|
| M16 | 30 | 50 | T8331630 | 67,20 |
| M16 | 35 | 50 | T8331635 | 70,15 |
| M16 | 40 | 50 | T8331640 | 77,20 |
| M16 | 45 | 50 | T8331645 | 83,30 |
| M16 | 60 | 50 | T8331660 | 95,75 |
| M16 | 70 | 50 | T8331670 | 107,75 |
| M16 | 80 | 25 | T8331680 | 121,05 |
| M16 | 90 | 25 | T8331690 | 133,55 |
| M16 | 100 | 25 | T8331610 | 146,30 |
| M18 | 50 | 50 | T8331850 | 109,20 |
| M20 | 50 | 25 | T8332050 | 131,60 |
| M20 | 60 | 25 | T8332060 | 152,95 |
| M20 | 70 | 25 | T8332070 | 179,55 |
| M20 | 80 | 25 | T8332080 | 199,50 |
| M20 | 90 | 25 | T8332090 | 239,40 |
| M20 | 100 | 25 | T8332010 | 259,35 |
| M24 | 60 | 60 | T8332460 | 270,60 |
| M24 | 70 | 50 | T8332470 | 305,40 |
| M24 | 100 | 30 | T8332410 | 392,35 |

* Se suministrarán tornillos de grado 6.8 hasta fin de existencias.

**TUERCA HEXAGONAL
DIN 934 - 8 - Zincado**


| MEDIDA | | COD. | € 100 UNID. |
|--------|-----|----------|----------------|
| M4 | 250 | T9340004 | 1,15 |
| M5 | 250 | T9340005 | 1,15 |
| M6 | 150 | T9340006 | 1,15 |
| M8 | 125 | T9340008 | 3,45 |
| M10 | 100 | T9340010 | 5,75 |
| M12 | 100 | T9340012 | 10,35 |
| M14 | 50 | T9340014 | 12,65 |
| M16 | 50 | T9340016 | 17,25 |
| M18 | 25 | T9340018 | 26,45 |
| M20 | 25 | T9340020 | 31,05 |
| M22 | 20 | T9340022 | 43,70 |
| M24 | 10 | T9340024 | 60,95 |
| M27 | 10 | T9340027 | 98,90 |
| M30 | 10 | T9340030 | 132,25 |
| M33 | 5 | T9340033 | 178,25 |

**ARANDELA PLANA
DIN 125 - Zincado**


| MEDIDA | | COD. | € 100 UNID. |
|--------|-----|----------|----------------|
| M4 | 300 | T1250004 | 1,60 |
| M5 | 300 | T1250005 | 1,60 |
| M6 | 150 | T1250006 | 1,60 |
| M8 | 125 | T1250008 | 1,60 |
| M10 | 100 | T1250010 | 4,80 |
| M12 | 100 | T1250012 | 6,40 |
| M14 | 70 | T1250014 | 9,60 |
| M16 | 70 | T1250016 | 11,20 |
| M18 | 50 | T1250018 | 16,00 |
| M20 | 50 | T1250020 | 17,60 |
| M22 | 50 | T1250022 | 19,20 |
| M24 | 50 | T1250024 | 35,20 |
| M27 | 50 | T1250027 | 46,40 |
| M30 | 50 | T1250030 | 57,60 |
| M33 | 30 | T1250033 | 81,60 |

**VARILLA ROSCADA
1.000 mm. - DIN 975 - 4.8 - Zincado**


| MEDIDA | | COD. | € 100 UNID. |
|--------|-----|----------|----------------|
| M4 | 100 | T9750004 | 59,80 |
| M5 | 100 | T9750005 | 60,95 |
| M6 | 50 | T9750006 | 72,45 |
| M8 | 25 | T9750008 | 126,50 |
| M10 | 25 | T9750010 | 201,25 |
| M12 | 20 | T9750012 | 276,00 |
| M14 | 15 | T9750014 | 402,50 |
| M16 | 10 | T9750016 | 523,25 |
| M18 | 5 | T9750018 | 644,00 |
| M20 | 5 | T9750020 | 816,50 |
| M22 | 5 | T9750022 | 1.017,75 |
| M24 | 5 | T9750024 | 1.224,75 |
| M27 | 4 | T9750027 | 1.713,50 |
| M30 | 2 | T9750030 | 1.753,75 |

**ARANDELA ALA ANCHA
DIN 9021 - Zincado**


| MEDIDA | | COD. | € 100 UNID. |
|--------|-----|----------|----------------|
| M6 | 100 | T9021006 | 3,20 |
| M8 | 100 | T9021008 | 8,00 |
| M10 | 50 | T9021010 | 14,40 |
| M12 | 40 | T9021012 | 32,00 |
| M14 | 40 | T9021014 | 46,40 |
| M16 | 30 | T9021016 | 52,80 |
| M18 | 30 | T9021018 | 97,60 |
| M20 | 30 | T9021020 | 107,20 |

**BOBINA RANURADA,
ROSCADA, SOLDAR
ACERO EN 10255 (M/S195T)**



| Ø | L mm. | | | TIPO | COD. | € |
|--------|-------|-----|----|------|----------|-------|
| 1 1/2" | 70 | 50 | 10 | RR-G | BRRG0770 | 3,90 |
| 2" | 70 | 33 | 3 | RR-G | BRRG0870 | 5,75 |
| 2 1/2" | 70 | 12 | 2 | RR-G | BRRG0B70 | 8,35 |
| 3" | 70 | 12 | 2 | RR-G | BRRG0A70 | 10,10 |
| 1" | 80 | 100 | 10 | RR-G | BRRG0580 | 2,65 |
| 1 1/4" | 80 | 60 | 10 | RR-G | BRRG0680 | 3,50 |
| 1 1/2" | 80 | 50 | 10 | RR-G | BRRG0780 | 4,00 |
| 2" | 80 | 30 | 3 | RR-G | BRRG0880 | 5,55 |
| 2 1/2" | 80 | 12 | 2 | RR-G | BRRG0B80 | 8,60 |
| 3" | 80 | 12 | 2 | RR-G | BRRG0A80 | 10,20 |
| 3" | 110 | 9 | 1 | RR-G | BRRGA110 | 12,80 |
| 4" | 150 | 4 | 1 | RR-G | BRRGC150 | 21,60 |
| 2" | 100 | 24 | 3 | RS-N | BRSN8100 | 7,00 |
| 2 1/2" | 100 | 12 | 2 | RS-N | BRSNB100 | 10,30 |
| 3" | 100 | 10 | 1 | RS-N | BRSNA100 | 12,50 |
| 4" | 100 | 4 | 1 | RS-N | BRSNC100 | 15,80 |

RR-G = RANURA ROSCA GALVANIZADA
RS-N = RANURA SOLDAR NEGRO

**BOBINA DE PROLONGACIÓN
ROSCA CÓNICA DIN 2981
GALVANIZADO ACERO ST 37,2**



| Ø | LONGITUD | | | COD. | € |
|--------|----------|-----|----|----------|------|
| 3/8" | 100 | 230 | 10 | B5322100 | 2,60 |
| 1/2" | 100 | 140 | 10 | B5323100 | 2,75 |
| 3/4" | 120 | 70 | 10 | B5324120 | 3,15 |
| 1" | 140 | 50 | 10 | B5325140 | 4,35 |
| 1 1/4" | 150 | 25 | 5 | B5326150 | 5,95 |
| 1 1/2" | 150 | 20 | 5 | B5327150 | 6,95 |
| 2" | 170 | 12 | 4 | B5328170 | 9,70 |

**BOBINA ROSCADA POR UN EXTREMO
ROSCA CÓNICA ISO 7/1 (EN 10226-1) DIN 2982 (EN 10241)
ACERO NEGRO ST 37,2**



| Ø | LONGITUD | | | COD. | € |
|--------|----------|-----|----|----------|------|
| 1/4" | 40 | 500 | 20 | B6000140 | 1,25 |
| 3/8" | 40 | 450 | 10 | B6000240 | 0,85 |
| 3/8" | 100 | 230 | 10 | B6002100 | 1,20 |
| 3/8" | 150 | 120 | 10 | B6002150 | 1,35 |
| 3/8" | 200 | 80 | 10 | B6002200 | 1,80 |
| 3/8" | 250 | 60 | 10 | B6002250 | 2,35 |
| 3/8" | 300 | 80 | 10 | B6002300 | 2,45 |
| 1/2" | 40 | 370 | 10 | B6000340 | 1,00 |
| 1/2" | 100 | 140 | 10 | B6003100 | 1,05 |
| 1/2" | 150 | 100 | 10 | B6003150 | 1,30 |
| 1/2" | 200 | 70 | 10 | B6003200 | 1,75 |
| 1/2" | 250 | 70 | 10 | B6003250 | 2,20 |
| 1/2" | 300 | 70 | 10 | B6003300 | 2,45 |
| 3/4" | 40 | 220 | 10 | B6000440 | 1,10 |
| 3/4" | 50 | 220 | 10 | B6000450 | 1,10 |
| 3/4" | 100 | 100 | 10 | B6004100 | 1,25 |
| 3/4" | 150 | 60 | 10 | B6004150 | 1,60 |
| 3/4" | 200 | 50 | 10 | B6004200 | 2,45 |
| 3/4" | 250 | 40 | 10 | B6004250 | 2,90 |
| 3/4" | 300 | 50 | 10 | B6004300 | 3,25 |
| 1" | 40 | 140 | 10 | B6000540 | 1,40 |
| 1" | 50 | 140 | 10 | B6000550 | 1,40 |
| 1" | 100 | 60 | 10 | B6005100 | 1,70 |
| 1" | 150 | 40 | 10 | B6005150 | 2,30 |
| 1" | 200 | 30 | 10 | B6005200 | 3,10 |
| 1" | 250 | 30 | 10 | B6005250 | 3,75 |
| 1" | 300 | 30 | 10 | B6005300 | 4,35 |
| 1 1/4" | 50 | 60 | 10 | B6000650 | 1,70 |
| 1 1/4" | 100 | 40 | 10 | B6006100 | 2,25 |
| 1 1/4" | 150 | 25 | 5 | B6006150 | 3,10 |
| 1 1/4" | 200 | 20 | 5 | B6006200 | 4,05 |
| 1 1/4" | 250 | 15 | 5 | B6006250 | 5,05 |
| 1 1/4" | 300 | 20 | 5 | B6006300 | 5,60 |

| Ø | LONGITUD | | | COD. | € |
|--------|----------|----|----|----------|-------|
| 1 1/2" | 50 | 40 | 10 | B6000750 | 1,60 |
| 1 1/2" | 100 | 30 | 5 | B6007100 | 2,80 |
| 1 1/2" | 150 | 20 | 5 | B6007150 | 3,65 |
| 1 1/2" | 200 | 15 | 5 | B6007200 | 4,90 |
| 1 1/2" | 250 | 10 | 5 | B6007250 | 5,80 |
| 1 1/2" | 300 | 20 | 5 | B6007300 | 7,10 |
| 2" | 60 | 30 | 5 | B6000860 | 2,60 |
| 2" | 100 | 20 | 5 | B6008100 | 3,50 |
| 2" | 150 | 12 | 4 | B6008150 | 4,85 |
| 2" | 200 | 12 | 4 | B6008200 | 6,10 |
| 2" | 250 | 9 | 3 | B6008250 | 7,35 |
| 2" | 300 | 12 | 4 | B6008300 | 8,65 |
| 2 1/2" | 60 | 18 | 6 | B6000A60 | 3,75 |
| 2 1/2" | 100 | 12 | 4 | B600A100 | 5,45 |
| 2 1/2" | 150 | 6 | 3 | B600A150 | 7,50 |
| 2 1/2" | 200 | 6 | 3 | B600A200 | 9,60 |
| 2 1/2" | 250 | 4 | 4 | B600A250 | 11,85 |
| 2 1/2" | 300 | 8 | 4 | B600A300 | 13,70 |
| 3" | 60 | 12 | 4 | B6000B60 | 4,70 |
| 3" | 80 | 12 | 4 | B6000B80 | 5,80 |
| 3" | 100 | 8 | 2 | B600B100 | 6,60 |
| 3" | 150 | 6 | 2 | B600B150 | 8,95 |
| 3" | 200 | 4 | 2 | B600B200 | 12,05 |
| 3" | 250 | 4 | 2 | B600B250 | 13,70 |
| 3" | 300 | 6 | 2 | B600B300 | 16,10 |
| 4" | 80 | 5 | 1 | B6000C80 | 7,20 |
| 4" | 100 | 4 | 2 | B600C100 | 9,55 |
| 4" | 150 | 3 | 1 | B600C150 | 13,65 |
| 4" | 200 | 6 | 2 | B600C200 | 15,10 |
| 4" | 250 | 4 | 2 | B600C250 | 18,70 |
| 4" | 300 | 3 | 1 | B600C300 | 22,05 |

**MANGUITO Y MEDIO MANGUITO
 ROSCA CILÍNDRICA ISO 7/1 (EN 10226-1)
 DIN 2986 (EN 10241) ACERO ST 37,2**


| MANGUITO | | | | | | |
|----------|----------|---------|------------|-------|--------------|-------|
| Ø | LONGITUD | | COD. NEGRO | € | COD. ZINCADO | € |
| 1/8" | 17 | 1000 10 | M1100000 | 0,48 | M5100000 | 0,66 |
| 1/4" | 25 | 500 10 | M1100001 | 0,57 | M5100001 | 0,66 |
| 3/8" | 26 | 400 10 | M1100002 | 0,57 | M5100002 | 0,74 |
| 1/2" | 34 | 200 10 | M1100003 | 0,66 | M5100003 | 0,84 |
| 1/2" | 50 | 170 10 | M1100350 | 1,20 | | |
| 1/2" | 60 | 170 10 | M1100063 | 1,30 | | |
| 3/4" | 36 | 160 10 | M1100004 | 0,89 | M5100004 | 1,10 |
| 3/4" | 48 | 120 10 | | | M5100484 | 1,35 |
| 1" | 43 | 100 10 | M1100005 | 1,10 | M5100005 | 1,75 |
| 1 1/4" | 48 | 60 10 | M1100006 | 1,75 | M5100006 | 2,15 |
| 1 1/2" | 48 | 50 10 | M1100007 | 2,15 | M5100007 | 2,80 |
| 2" | 56 | 24 4 | M1100008 | 3,15 | M5100008 | 3,90 |
| 2 1/2" | 65 | 18 3 | M110000A | 6,25 | M510000A | 7,00 |
| 3" | 71 | 24 1 | M110000B | 7,30 | M510000B | 9,35 |
| 4" | 83 | 12 1 | M110000D | 13,60 | M510000D | 17,80 |
| 5" | 92 | 6 1 | M110000F | 19,90 | M510000F | 27,05 |
| 6" | 92 | 4 1 | M110000G | 40,65 | M510000G | 51,25 |

| MEDIO MANGUITO | | | | | |
|----------------|----------|--------|------------|-------|--|
| Ø | LONGITUD | | COD. NEGRO | € | |
| 1/4" | 11 | 800 10 | M1400001 | 0,48 | |
| 3/8" | 12 | 800 10 | M1400002 | 0,48 | |
| 1/2" | 15 | 400 10 | M1400003 | 0,57 | |
| 3/4" | 17 | 300 10 | M1400004 | 0,82 | |
| 1" | 19,5 | 180 10 | M1400005 | 1,10 | |
| 1 1/4" | 22 | 120 10 | M1400006 | 1,60 | |
| 1 1/2" | 22 | 90 10 | M1400007 | 1,90 | |
| 2" | 26 | 48 8 | M1400008 | 2,70 | |
| 2 1/2" | 30,5 | 36 12 | M140000A | 5,55 | |
| 3" | 34 | 24 12 | M140000B | 5,55 | |
| 4" | 40 | 10 2 | M140000D | 10,45 | |

**BOBINA ROSCADA AMBOS EXTREMOS
 ROSCA CÓNICA ISO 7/1 (EN 10226-1) DIN 2982 (EN 10241)**


| Ø | LONGITUD | | COD. NEGRO | € | COD. ZINCADO | € |
|------|----------|--------|------------|------|--------------|-------|
| 1/8" | 50 | 500 20 | | | B5100050 | 0,65 |
| 1/8" | 60 | 500 20 | | | B5100060 | 0,70 |
| 1/4" | 40 | 500 20 | B1100140 | 1,30 | | |
| 1/4" | 50 | 500 20 | B1100150 | 1,35 | B5100150 | 1,50 |
| 1/4" | 60 | 500 20 | B1100160 | 1,45 | B5100160 | 1,55 |
| 1/4" | 80 | 200 20 | B1100180 | 1,60 | B5100180 | 1,75 |
| 1/4" | 100 | 200 20 | B1101100 | 1,80 | B5101100 | 1,95 |
| 1/4" | 120 | 200 20 | B1101120 | 1,95 | B5101120 | 2,05 |
| 1/4" | 150 | 120 20 | B1101150 | 2,20 | B5101150 | 2,35 |
| 1/4" | 200 | 90 10 | B1101200 | 2,60 | B5101200 | 2,90 |
| 1/4" | 250 | 90 10 | B1101250 | 3,10 | | |
| 1/4" | 300 | 90 10 | B1101300 | 3,80 | | |
| 3/8" | 40 | 450 10 | B1100240 | 0,85 | B5100240 | 0,95 |
| 3/8" | 50 | 250 10 | B1100250 | 0,85 | B5100250 | 1,10 |
| 3/8" | 60 | 320 10 | B1100260 | 1,20 | B5100260 | 1,30 |
| 3/8" | 70 | 230 10 | B1100270 | 1,20 | B5100270 | 1,30 |
| 3/8" | 80 | 280 10 | B1100280 | 1,20 | B5100280 | 1,30 |
| 3/8" | 90 | 210 10 | B1100290 | 1,30 | B5100290 | 1,45 |
| 3/8" | 100 | 230 10 | B1102100 | 1,30 | B5102100 | 1,45 |
| 3/8" | 120 | 200 10 | B1102120 | 1,35 | B5102120 | 1,55 |
| 3/8" | 140 | 180 10 | B1102140 | 1,45 | B5102140 | 1,75 |
| 3/8" | 150 | 120 10 | B1102150 | 1,55 | B5102150 | 2,05 |
| 3/8" | 160 | 90 10 | B1102160 | 1,95 | B5102160 | 2,20 |
| 3/8" | 180 | 90 10 | B1102180 | 2,20 | B5102180 | 2,20 |
| 3/8" | 200 | 80 10 | B1102200 | 2,20 | B5102200 | 2,30 |
| 3/8" | 250 | 60 10 | B1102250 | 2,30 | B5102250 | 3,00 |
| 3/8" | 300 | 80 10 | B1102300 | 2,65 | B5102300 | 3,40 |
| 3/8" | 400 | 60 10 | B1102400 | 3,55 | B5102400 | 4,60 |
| 3/8" | 500 | 60 10 | B1102500 | 4,15 | B5102500 | 6,35 |
| 3/8" | 1000 | 1 | | | B5121000 | Cons. |
| 1/2" | 30 | 520 10 | B1100330 | 0,75 | B5100330 | 0,90 |
| 1/2" | 40 | 370 10 | B1100340 | 0,90 | B5100340 | 0,95 |
| 1/2" | 50 | 300 10 | B1100350 | 0,90 | B5100350 | 1,05 |
| 1/2" | 60 | 250 10 | B1100360 | 0,95 | B5100360 | 1,05 |
| 1/2" | 70 | 240 10 | B1100370 | 1,00 | B5100370 | 1,15 |
| 1/2" | 80 | 210 10 | B1100380 | 1,05 | B5100380 | 1,30 |
| 1/2" | 90 | 150 10 | B1100390 | 1,10 | B5100390 | 1,30 |
| 1/2" | 100 | 140 10 | B1103100 | 1,10 | B5103100 | 1,30 |

| Ø | LONGITUD | | COD. NEGRO | € | COD. ZINCADO | € |
|------|----------|--------|------------|-------|--------------|-------|
| 1/2" | 110 | 140 10 | B1103110 | 1,20 | | |
| 1/2" | 120 | 120 10 | B1103120 | 1,30 | B5103120 | 1,50 |
| 1/2" | 140 | 80 10 | B1103140 | 1,45 | B5103140 | 1,75 |
| 1/2" | 150 | 110 10 | B1103150 | 1,45 | B5103150 | 1,75 |
| 1/2" | 160 | 100 10 | B1103160 | 1,50 | B5103160 | 1,85 |
| 1/2" | 180 | 100 10 | B1103180 | 1,60 | B5103180 | 2,05 |
| 1/2" | 200 | 70 10 | B1103200 | 1,70 | B5103200 | 2,10 |
| 1/2" | 220 | 70 10 | B1103220 | 2,10 | | |
| 1/2" | 250 | 70 10 | B1103250 | 2,35 | B5103250 | 2,80 |
| 1/2" | 300 | 70 10 | B1103300 | 2,60 | B5103300 | 3,25 |
| 1/2" | 400 | 50 5 | B1103400 | 3,65 | B5103400 | 4,65 |
| 1/2" | 500 | 40 5 | B1103500 | 4,10 | B5103500 | 5,35 |
| 1/2" | 600 | 1 | | | B5103600 | Cons. |
| 1/2" | 800 | 1 | | | B5103800 | Cons. |
| 1/2" | 1000 | 1 | B1131000 | Cons. | B5131000 | Cons. |
| 1/2" | 1500 | 1 | | | B5131500 | Cons. |
| 1/2" | 2000 | 1 | | | B5132000 | Cons. |
| 3/4" | 30 | 230 10 | | | B5100430 | 0,90 |
| 3/4" | 40 | 220 10 | B1100440 | 0,90 | B5100440 | 1,10 |
| 3/4" | 50 | 180 10 | B1100450 | 0,90 | B5100450 | 1,10 |
| 3/4" | 60 | 150 10 | B1100460 | 1,05 | B5100460 | 1,30 |
| 3/4" | 70 | 130 10 | | | B5100470 | 1,30 |
| 3/4" | 80 | 120 10 | B1100480 | 1,20 | B5100480 | 1,35 |
| 3/4" | 90 | 120 10 | | | B5100490 | 1,50 |
| 3/4" | 100 | 100 10 | B1104100 | 1,30 | B5104100 | 1,75 |
| 3/4" | 110 | 100 10 | | | B5104110 | 1,75 |
| 3/4" | 120 | 70 10 | B1104120 | 1,50 | B5104120 | 1,80 |
| 3/4" | 140 | 70 10 | B1104140 | 1,70 | B5104140 | 2,20 |
| 3/4" | 150 | 60 10 | B1104150 | 1,70 | B5104150 | 2,30 |
| 3/4" | 160 | 60 10 | B1104160 | 1,80 | B5104160 | 2,30 |
| 3/4" | 180 | 60 10 | B1104180 | 2,00 | B5104180 | 2,50 |
| 3/4" | 200 | 50 10 | B1104200 | 2,05 | B5104200 | 2,65 |
| 3/4" | 250 | 40 10 | B1104250 | 2,85 | B5104250 | 3,60 |
| 3/4" | 300 | 50 10 | B1104300 | 3,30 | B5104300 | 4,10 |
| 3/4" | 400 | 30 5 | B1104400 | 4,40 | B5104400 | 5,55 |
| 3/4" | 500 | 30 5 | B1104500 | 5,30 | B5104500 | 6,45 |
| 3/4" | 600 | 1 | | | B5104600 | Cons. |
| 3/4" | 800 | 1 | | | B5104800 | Cons. |
| 3/4" | 1000 | 1 | | | B5141000 | Cons. |
| 3/4" | 1500 | 1 | | | B5141500 | Cons. |
| 3/4" | 2000 | 1 | | | B5142000 | Cons. |

BOBINA ROSCADA AMBOS EXTREMOS ROSCA CÓNICA ISO 7/1 (EN 10226-1) DIN 2982 (EN 10241)



| Ø | LONGITUD | | COD. NEGRO | € | COD. ZINCADO | € |
|--------|----------|--------|------------|-------|--------------|-------|
| 1" | 40 | 140 10 | B1100540 | 1,45 | B5100540 | 1,45 |
| 1" | 50 | 140 10 | B1100550 | 1,45 | B5100550 | 1,45 |
| 1" | 60 | 120 10 | B1100560 | 1,45 | B5100560 | 1,60 |
| 1" | 70 | 100 10 | | | B5100570 | 1,85 |
| 1" | 80 | 80 10 | B1100580 | 1,55 | B5100580 | 1,85 |
| 1" | 90 | 80 10 | | | B5100590 | 2,20 |
| 1" | 100 | 60 10 | B1105100 | 1,80 | B5105100 | 2,30 |
| 1" | 120 | 60 10 | B1105120 | 2,00 | B5105120 | 2,35 |
| 1" | 140 | 50 10 | B1105140 | 2,30 | B5105140 | 2,75 |
| 1" | 150 | 40 10 | B1105150 | 2,35 | B5105150 | 2,75 |
| 1" | 160 | 40 10 | B1105160 | 2,60 | B5105160 | 3,00 |
| 1" | 180 | 40 10 | B1105180 | 2,75 | B5105180 | 3,10 |
| 1" | 200 | 30 10 | B1105200 | 3,00 | B5105200 | 3,50 |
| 1" | 250 | 30 10 | B1105250 | 3,90 | B5105250 | 4,40 |
| 1" | 300 | 30 10 | B1105300 | 4,65 | B5105300 | 5,35 |
| 1" | 400 | 25 5 | B1105400 | 6,20 | B5105400 | 7,20 |
| 1" | 500 | 20 5 | B1105500 | 7,50 | B5105500 | 8,50 |
| 1" | 600 | 1 | | | B5105600 | Cons. |
| 1" | 800 | 1 | | | B5105800 | Cons. |
| 1" | 1000 | 1 | | | B5151000 | Cons. |
| 1" | 1500 | 1 | | | B5151500 | Cons. |
| 1" | 2000 | 1 | | | B5152000 | Cons. |
| 1 1/4" | 40 | 80 10 | B1100640 | 1,75 | B5100640 | 1,95 |
| 1 1/4" | 50 | 60 10 | B1100650 | 1,95 | B5100650 | 1,95 |
| 1 1/4" | 60 | 60 10 | B1100660 | 1,95 | B5100660 | 2,20 |
| 1 1/4" | 70 | 40 10 | B1100670 | 2,20 | B5100670 | 2,20 |
| 1 1/4" | 80 | 50 10 | B1100680 | 2,20 | B5100680 | 2,20 |
| 1 1/4" | 100 | 40 10 | B1106100 | 2,25 | B5106100 | 2,65 |
| 1 1/4" | 120 | 30 10 | B1106120 | 2,60 | B5106120 | 3,10 |
| 1 1/4" | 140 | 25 5 | B1106140 | 3,05 | B5106140 | 3,65 |
| 1 1/4" | 150 | 25 5 | B1106150 | 3,10 | B5106150 | 3,65 |
| 1 1/4" | 160 | 25 5 | B1106160 | 3,30 | B5106160 | 4,00 |
| 1 1/4" | 180 | 25 5 | B1106180 | 3,60 | B5106180 | 4,10 |
| 1 1/4" | 200 | 20 5 | B1106200 | 3,75 | B5106200 | 4,45 |
| 1 1/4" | 250 | 15 5 | B1106250 | 5,10 | B5106250 | 5,90 |
| 1 1/4" | 300 | 20 5 | B1106300 | 5,85 | B5106300 | 6,75 |
| 1 1/4" | 400 | 16 2 | B1106400 | 8,45 | B5106400 | 9,95 |
| 1 1/4" | 500 | 16 2 | B1106500 | 10,30 | B5106500 | 12,00 |
| 1 1/4" | 600 | 1 | | | B5106600 | Cons. |
| 1 1/4" | 800 | 1 | | | B5106800 | Cons. |
| 1 1/4" | 1000 | 1 | | | B5161000 | Cons. |
| 1 1/2" | 40 | 80 10 | B1100740 | 2,10 | B5100740 | 2,20 |
| 1 1/2" | 50 | 40 10 | B1100750 | 2,20 | B5100750 | 2,30 |
| 1 1/2" | 60 | 50 10 | B1100760 | 2,20 | B5100760 | 2,35 |
| 1 1/2" | 70 | 40 10 | | | B5100770 | 2,75 |
| 1 1/2" | 80 | 40 10 | B1100780 | 2,35 | B5100780 | 2,75 |
| 1 1/2" | 100 | 30 5 | B1107100 | 2,65 | B5107100 | 3,05 |
| 1 1/2" | 120 | 25 5 | B1107120 | 3,05 | B5107120 | 3,50 |
| 1 1/2" | 140 | 20 5 | B1107140 | 3,40 | B5107140 | 4,05 |
| 1 1/2" | 150 | 20 5 | B1107150 | 3,50 | B5107150 | 4,40 |
| 1 1/2" | 160 | 20 5 | B1107160 | 4,00 | B5107160 | 4,55 |
| 1 1/2" | 180 | 20 5 | B1107180 | 4,55 | B5107180 | 5,10 |
| 1 1/2" | 200 | 15 5 | B1107200 | 4,55 | B5107200 | 5,35 |
| 1 1/2" | 250 | 10 5 | B1107250 | 5,65 | B5107250 | 6,50 |
| 1 1/2" | 300 | 20 5 | B1107300 | 6,85 | B5107300 | 7,80 |
| 1 1/2" | 400 | 12 2 | B1107400 | 9,80 | B5107400 | 11,25 |
| 1 1/2" | 500 | 12 2 | B1107500 | 11,60 | B5107500 | 13,70 |
| 1 1/2" | 600 | 1 | | | B5107600 | Cons. |
| 1 1/2" | 700 | 1 | | | B5107700 | Cons. |
| 1 1/2" | 800 | 1 | | | B5107800 | Cons. |
| 1 1/2" | 1000 | 1 | | | B5171000 | Cons. |

| Ø | LONGITUD | | COD. NEGRO | € | COD. ZINCADO | € |
|--------|----------|------|------------|-------|--------------|-------|
| 2" | 40 | 40 5 | | | B5100840 | 2,90 |
| 2" | 50 | 40 5 | | | B5100850 | 3,35 |
| 2" | 60 | 30 5 | B1100860 | 2,90 | B5100860 | 3,40 |
| 2" | 80 | 24 6 | B1100880 | 3,10 | B5100880 | 3,40 |
| 2" | 90 | 20 5 | | | B5100890 | 3,40 |
| 2" | 100 | 20 5 | B1108100 | 3,15 | B5108100 | 4,10 |
| 2" | 120 | 16 4 | B1108120 | 3,90 | B5108120 | 4,95 |
| 2" | 140 | 12 4 | B1108140 | 4,95 | B5108140 | 5,65 |
| 2" | 150 | 12 4 | B1108150 | 5,05 | B5108150 | 5,70 |
| 2" | 160 | 12 4 | B1108160 | 5,35 | B5108160 | 6,40 |
| 2" | 180 | 12 4 | B1108180 | 5,80 | B5108180 | 6,75 |
| 2" | 200 | 12 4 | B1108200 | 6,15 | B5108200 | 7,00 |
| 2" | 250 | 9 3 | B1108250 | 8,05 | B5108250 | 8,95 |
| 2" | 300 | 12 4 | B1108300 | 8,95 | B5108300 | 11,00 |
| 2" | 400 | 10 2 | B1108400 | 13,05 | B5108400 | 15,35 |
| 2" | 500 | 12 2 | B1108500 | 15,60 | B5108500 | 18,25 |
| 2" | 600 | 1 | | | B5108600 | Cons. |
| 2" | 800 | 1 | | | B5108800 | Cons. |
| 2" | 1000 | 1 | | | B5181000 | Cons. |
| 2 1/2" | 80 | 12 4 | B1100A80 | 5,60 | B5100A80 | 5,95 |
| 2 1/2" | 100 | 12 4 | B110A100 | 5,85 | B510A100 | 6,50 |
| 2 1/2" | 120 | 8 4 | B110A120 | 7,40 | B510A120 | 7,25 |
| 2 1/2" | 140 | 6 3 | B110A140 | 7,45 | B510A140 | 7,95 |
| 2 1/2" | 150 | 6 3 | B110A150 | 7,60 | B510A150 | 8,45 |
| 2 1/2" | 160 | 6 3 | B110A160 | 8,05 | B510A160 | 9,00 |
| 2 1/2" | 180 | 6 3 | B110A180 | 9,40 | B510A180 | 10,55 |
| 2 1/2" | 200 | 6 3 | B110A200 | 9,80 | B510A200 | 11,30 |
| 2 1/2" | 250 | 4 4 | B110A250 | 11,85 | B510A250 | 12,80 |
| 2 1/2" | 300 | 8 2 | B110A300 | 13,60 | B510A300 | 15,15 |
| 2 1/2" | 400 | 6 2 | | | B510A400 | 20,35 |
| 2 1/2" | 500 | 5 1 | | | B510A500 | 24,65 |
| 2 1/2" | 600 | 1 | | | B510A600 | Cons. |
| 2 1/2" | 800 | 1 | | | B510A800 | Cons. |
| 2 1/2" | 1000 | 1 | | | B51A1000 | Cons. |
| 3" | 80 | 12 4 | B1100B80 | 6,50 | B5100B80 | 7,45 |
| 3" | 100 | 8 2 | B1100B100 | 7,15 | B5100B100 | 7,75 |
| 3" | 120 | 8 2 | B1100B120 | 8,00 | B5100B120 | 8,70 |
| 3" | 140 | 4 2 | B1100B140 | 8,65 | B5100B140 | 9,70 |
| 3" | 150 | 6 2 | B1100B150 | 8,90 | B5100B150 | 10,00 |
| 3" | 160 | 4 2 | | | B5100B160 | 10,55 |
| 3" | 180 | 4 2 | B1100B180 | 10,45 | B5100B180 | 11,85 |
| 3" | 200 | 4 2 | B1100B200 | 12,35 | B5100B200 | 14,35 |
| 3" | 250 | 4 2 | B1100B250 | 15,25 | B5100B250 | 16,65 |
| 3" | 300 | 6 2 | B1100B300 | 16,75 | B5100B300 | 18,80 |
| 3" | 400 | 4 2 | | | B5100B400 | 33,10 |
| 3" | 500 | 4 2 | | | B5100B500 | 41,85 |
| 4" | 80 | 5 1 | B1100C80 | 11,35 | B5100C80 | 11,85 |
| 4" | 100 | 4 2 | B1100C100 | 12,25 | B5100C100 | 13,05 |
| 4" | 120 | 3 1 | B1100C120 | 13,90 | B5100C120 | 14,70 |
| 4" | 140 | 3 1 | B1100C140 | 14,10 | B5100C140 | 14,70 |
| 4" | 150 | 3 1 | B1100C150 | 14,40 | B5100C150 | 15,40 |
| 4" | 160 | 3 1 | B1100C160 | 14,90 | B5100C160 | 15,40 |
| 4" | 180 | 2 1 | B1100C180 | 15,65 | B5100C180 | 16,65 |
| 4" | 200 | 6 2 | B1100C200 | 16,45 | B5100C200 | 20,40 |
| 4" | 250 | 4 2 | B1100C250 | 20,60 | B5100C250 | 22,55 |
| 4" | 300 | 3 1 | B1100C300 | 25,25 | B5100C300 | 27,70 |
| 4" | 400 | 3 1 | | | B5100C400 | 56,20 |
| 4" | 500 | 3 1 | | | B5100C500 | 65,20 |

ACCESORIOS DE **ACERO INOXIDABLE**

Los aceros inoxidableables son aleaciones ferríticas con un contenido de Carbono (C) inferior al 2%.

La característica principal de los aceros inoxidableables es la de tener una óptima resistencia a la corrosión, debido al hecho de que uno de sus principales componentes, el Cromo (Cr), está presente en la aleación en un porcentaje nunca inferior al 12%.

Principales grupos de aceros inoxidableables

- Aceros Ferríticos: Fe + Cr (12-30%) + C (0.02-0.1%)
- Aceros Martensíticos: Fe + Cr (12-19%) + C (0.08-1.2%)
- Aceros Austeníticos: Fe + Cr (16-28%) + C (0.02-0.1%) + Ni (6-32%)

ATUSA únicamente trabaja con Aceros Austeníticos cuyos aspectos más destacados son su óptima resistencia a la oxidación y sus notables propiedades mecánicas a altas temperaturas.

Los aceros inoxidableables austeníticos son normalmente utilizados en todas aquellas aplicaciones en las cuáles se requieren materiales capaces de soportar exigentes condiciones de servicio.

Los principales son:

AISI 304 (EN 1.4301): Presenta características de elevada resistencia a la fatiga con baja sensibilidad a los golpes y está particularmente indicado para ser utilizado a bajas temperaturas.

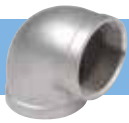
AISI 316 (EN 1.4401): El AISI 316 se distingue del 304 por la presencia del Molibdeno (Mo) en una relación del 2-3%, confiriéndole unas buenas características de resistencia a la corrosión y mejores características mecánicas a las elevadas temperaturas.

El AISI 304L (EN 1.4307) y el 316L (EN 1.4404), se diferencian de los anteriores por el menor contenido de Carbono (C) en la aleación, esto permite efectuar soldaduras a temperaturas más altas. Las otras características son similares para el 304 y el 316 para utilizar a temperatura ambiente, mientras son levemente inferiores para temperaturas elevadas.



ACCESORIOS
INOXIDABLES

ACCESORIOS
ACERO
INOXIDABLE

ACCESORIOS ROSCADOS AISI 316

90 CODO H/H 90°

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 1/8" | 400 | 10 | I0906000 | 1,45 |
| 1/4" | 400 | 10 | I0906001 | 1,80 |
| 3/8" | 290 | 10 | I0906002 | 2,15 |
| 1/2" | 160 | 10 | I0906003 | 2,35 |
| 3/4" | 80 | 10 | I0906004 | 3,80 |
| 1" | 50 | 10 | I0906005 | 6,50 |
| 1 1/4" | 24 | 4 | I0906006 | 9,75 |
| 1 1/2" | 18 | 2 | I0906007 | 14,10 |
| 2" | 10 | 1 | I0906008 | 19,90 |
| 2 1/2" | 6 | 1 | I0906009 | 37,10 |
| 3" | 3 | 1 | I090600A | 54,60 |
| 4" | 1 | | I090600C | 96,85 |


92 CODO M/H 90°

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/8" | 500 | 10 | I0926000 | 1,10 |
| 1/4" | 350 | 10 | I0926001 | 2,35 |
| 3/8" | 260 | 10 | I0926002 | 2,45 |
| 1/2" | 160 | 10 | I0926003 | 2,90 |
| 3/4" | 100 | 10 | I0926004 | 4,05 |
| 1" | 50 | 10 | I0926005 | 7,00 |
| 1 1/4" | 25 | 5 | I0926006 | 10,10 |
| 1 1/2" | 18 | 2 | I0926007 | 12,95 |
| 2" | 10 | 1 | I0926008 | 22,10 |
| 2 1/2" | 4 | 1 | I0926009 | 42,15 |
| 3" | 3 | 1 | I092600A | 58,45 |
| 4" | 1 | | I092600C | 109,60 |


96 CODO UNIÓN ASIENTO CÓNICO H/H

| Ø | | | COD. | € |
|--------|----|---|----------|-------|
| 1/2" | 50 | 5 | I0966003 | 9,35 |
| 3/4" | 40 | 5 | I0966004 | 14,35 |
| 1" | 20 | 2 | I0966005 | 20,40 |
| 1 1/4" | 15 | 1 | I0966006 | 30,05 |
| 1 1/2" | 12 | 1 | I0966007 | 40,65 |
| 2" | 6 | 1 | I0966008 | 59,55 |


98 CODO UNIÓN ASIENTO CÓNICO M/H

| Ø | | | COD. | € |
|--------|----|---|----------|-------|
| 1/2" | 50 | 5 | I0986003 | 11,20 |
| 3/4" | 30 | 5 | I0986004 | 16,30 |
| 1" | 14 | 2 | I0986005 | 21,80 |
| 1 1/4" | 12 | 1 | I0986006 | 33,90 |
| 1 1/2" | 8 | 1 | I0986007 | 46,95 |
| 2" | 6 | 1 | I0986008 | 66,30 |


120 CODO H/H 45°

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 1/4" | 400 | 10 | I1206001 | 1,50 |
| 3/8" | 300 | 10 | I1206002 | 2,15 |
| 1/2" | 150 | 5 | I1206003 | 2,50 |
| 3/4" | 90 | 5 | I1206004 | 3,50 |
| 1" | 60 | 5 | I1206005 | 5,95 |
| 1 1/4" | 30 | 1 | I1206006 | 9,40 |
| 1 1/2" | 20 | 1 | I1206007 | 12,15 |
| 2" | 12 | 1 | I1206008 | 18,05 |
| 2 1/2" | 8 | 1 | I1206009 | 47,90 |
| 3" | 4 | 1 | I120600A | 62,85 |


121 CODO M/H 45°

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 1/4" | 400 | 10 | I1216001 | 1,50 |
| 3/8" | 200 | 10 | I1216002 | 2,10 |
| 1/2" | 150 | 5 | I1216003 | 2,70 |
| 3/4" | 90 | 5 | I1216004 | 3,95 |
| 1" | 60 | 5 | I1216005 | 6,85 |
| 1 1/4" | 30 | 1 | I1216006 | 9,60 |
| 1 1/2" | 20 | 1 | I1216007 | 12,60 |
| 2" | 12 | 1 | I1216008 | 20,40 |
| 2 1/2" | 8 | 1 | I1216009 | 48,85 |
| 3" | 4 | 1 | I121600A | 63,30 |



130 TE



130R TE REDUCIDA

| Ø | | COD. | € |
|--------|--------|----------|--------|
| 1/8" | 380 10 | I1306000 | 1,60 |
| 1/4" | 250 10 | I1306001 | 2,35 |
| 3/8" | 160 10 | I1306002 | 3,05 |
| 1/2" | 100 5 | I1306003 | 3,55 |
| 3/4" | 50 5 | I1306004 | 5,55 |
| 1" | 30 5 | I1306005 | 9,00 |
| 1 1/4" | 18 2 | I1306006 | 13,20 |
| 1 1/2" | 14 2 | I1306007 | 18,05 |
| 2" | 10 1 | I1306008 | 25,40 |
| 2 1/2" | 4 1 | I1306009 | 46,40 |
| 3" | 2 1 | I130600A | 72,10 |
| 4" | 1 | I130600C | 128,75 |

| Ø | | COD. | € |
|--------------------|-------|----------|------|
| 1/2" x 3/8" x 1/2" | 120 5 | I1306323 | 5,50 |
| 3/4" x 1/2" x 3/4" | 60 5 | I1306434 | 6,55 |
| 1" x 1/2" x 1" | 40 5 | I1306535 | 7,20 |
| 1" x 3/4" x 1" | 30 5 | I1306545 | 8,35 |
| 1" x 1" x 1/2" | 30 5 | I1306553 | 8,60 |



180 CRUZ

| Ø | | COD. | € |
|--------|--------|----------|--------|
| 1/8" | 250 10 | I1806000 | 3,90 |
| 1/4" | 160 10 | I1806001 | 4,90 |
| 3/8" | 120 10 | I1806002 | 5,00 |
| 1/2" | 60 10 | I1806003 | 5,15 |
| 3/4" | 36 6 | I1806004 | 7,20 |
| 1" | 20 5 | I1806005 | 11,60 |
| 1 1/4" | 16 4 | I1806006 | 20,50 |
| 1 1/2" | 12 4 | I1806007 | 23,35 |
| 2" | 6 2 | I1806008 | 34,95 |
| 2 1/2" | 3 1 | I1806009 | 61,30 |
| 3" | 2 1 | I180600A | 103,55 |
| 4" | 1 | I180600C | 202,80 |



241 TUERCA REDUCIDA

| Ø | | COD. | € |
|-----------------|--------|----------|-------|
| 1/4" x 1/8" | 650 10 | I2416010 | 1,25 |
| 3/8" x 1/8" | 580 10 | I2416020 | 1,25 |
| 3/8" x 1/4" | 580 10 | I2416021 | 1,60 |
| 1/2" x 1/8" | 500 10 | I2416030 | 2,25 |
| 1/2" x 1/4" | 380 10 | I2416031 | 2,10 |
| 1/2" x 3/8" | 400 10 | I2416032 | 1,80 |
| 3/4" x 1/4" | 240 5 | I2416041 | 3,20 |
| 3/4" x 3/8" | 250 5 | I2416042 | 3,05 |
| 3/4" x 1/2" | 240 5 | I2416043 | 2,70 |
| 1" x 3/8" | 120 10 | I2416052 | 3,50 |
| 1" x 1/2" | 140 5 | I2416053 | 3,35 |
| 1" x 3/4" | 140 5 | I2416054 | 3,50 |
| 1 1/4" x 1/2" | 100 5 | I2416063 | 5,70 |
| 1 1/4" x 3/4" | 80 5 | I2416064 | 5,55 |
| 1 1/4" x 1" | 100 5 | I2416065 | 4,90 |
| 1 1/2" x 1/2" | 60 5 | I2416073 | 7,60 |
| 1 1/2" x 3/4" | 60 5 | I2416074 | 7,40 |
| 1 1/2" x 1" | 70 2 | I2416075 | 7,10 |
| 1 1/2" x 1 1/4" | 70 2 | I2416076 | 5,60 |
| 2" x 1/2" | 35 5 | I2416083 | 12,35 |
| 2" x 3/4" | 35 5 | I2416084 | 12,35 |
| 2" x 1" | 30 5 | I2416085 | 12,25 |
| 2" x 1 1/4" | 30 5 | I2416086 | 11,90 |
| 2" x 1 1/2" | 30 2 | I2416087 | 10,55 |
| 2 1/2" x 1" | 24 2 | I2416095 | 25,05 |
| 2 1/2" x 1 1/4" | 24 4 | I2416096 | 21,05 |
| 2 1/2" x 1 1/2" | 24 2 | I2416097 | 21,70 |
| 2 1/2" x 2" | 24 2 | I2416098 | 17,85 |
| 3" x 2" | 16 1 | I24160A8 | 34,25 |
| 3" x 2 1/2" | 16 1 | I24160A9 | 31,75 |
| 4" x 2" | 8 1 | I24160C8 | 71,70 |
| 4" x 2 1/2" | 8 1 | I24160C9 | 73,40 |
| 4" x 3" | 8 1 | I24160CA | 64,10 |



240 MANGUITO REDUCIDO

| Ø | | COD. | € |
|-----------------|--------|----------|-------|
| 1/4" x 1/8" | 300 10 | I2406010 | 2,35 |
| 3/8" x 1/4" | 300 10 | I2406021 | 2,50 |
| 1/2" x 1/4" | 150 10 | I2406031 | 2,50 |
| 1/2" x 3/8" | 200 10 | I2406032 | 2,50 |
| 3/4" x 1/4" | 140 10 | I2406041 | 4,80 |
| 3/4" x 1/2" | 120 5 | I2406043 | 3,80 |
| 1" x 1/2" | 90 5 | I2406053 | 4,90 |
| 1" x 3/4" | 70 5 | I2406054 | 4,90 |
| 1 1/4 x 3/4" | 60 5 | I2406064 | 7,80 |
| 1 1/4" x 1" | 40 5 | I2406065 | 7,80 |
| 1 1/2" x 1" | 40 5 | I2406075 | 8,75 |
| 1 1/2" x 1 1/4" | 30 5 | I2406076 | 10,25 |
| 2" x 1" | 30 5 | I2406085 | 14,60 |
| 2" x 1 1/4" | 25 5 | I2406086 | 14,60 |
| 2" x 1 1/2" | 25 5 | I2406087 | 15,45 |
| 2 1/2" x 2" | 12 2 | I2406098 | 23,10 |
| 3" x 2" | 12 2 | I24060A8 | 41,65 |



245 ROSCA DOBLE REDUCIDA



270 MANGUITO

| Ø | | COD. | € |
|-----------------|--------|----------|-------|
| 1/4" x 1/8" | 520 10 | I2456010 | 1,15 |
| 3/8" x 1/8" | 400 10 | I2456020 | 1,95 |
| 3/8" x 1/4" | 400 10 | I2456021 | 1,80 |
| 1/2" x 1/4" | 280 10 | I2456031 | 3,50 |
| 1/2" x 3/8" | 200 10 | I2456032 | 3,35 |
| 3/4" x 1/4" | 200 10 | I2456041 | 3,55 |
| 3/4" x 3/8" | 100 10 | I2456042 | 3,95 |
| 3/4" x 1/2" | 180 10 | I2456043 | 4,05 |
| 1" x 1/2" | 100 5 | I2456053 | 4,05 |
| 1" x 3/4" | 100 5 | I2456054 | 5,90 |
| 1 1/4" x 1/2" | 60 5 | I2456063 | 7,00 |
| 1 1/4" x 3/4" | 70 5 | I2456064 | 7,00 |
| 1 1/4" x 1" | 60 5 | I2456065 | 7,00 |
| 1 1/2" x 1/2" | 45 3 | I2456073 | 8,55 |
| 1 1/2" x 3/4" | 54 3 | I2456074 | 8,55 |
| 1 1/2" x 1" | 40 2 | I2456075 | 8,55 |
| 1 1/2" x 1 1/4" | 36 2 | I2456076 | 8,55 |
| 2" x 1" | 28 2 | I2456085 | 13,35 |
| 2" x 1 1/4" | 30 2 | I2456086 | 13,35 |
| 2" x 1 1/2" | 26 2 | I2456087 | 13,35 |
| 2 1/2" x 1" | 12 2 | I2456095 | 31,75 |
| 2 1/2" x 1 1/4" | 12 2 | I2456096 | 30,50 |
| 2 1/2" x 1 1/2" | 12 2 | I2456097 | 28,65 |
| 2 1/2" x 2" | 20 1 | I2456098 | 28,05 |
| 3" x 2" | 10 1 | I24560A8 | 39,10 |
| 3" x 2 1/2" | 10 1 | I24560A9 | 36,75 |

| Ø | | COD. | € |
|--------|--------|----------|-------|
| 1/8" | 800 10 | I2706000 | 1,35 |
| 1/4" | 450 10 | I2706001 | 1,50 |
| 3/8" | 400 10 | I2706002 | 1,95 |
| 1/2" | 240 10 | I2706003 | 2,75 |
| 3/4" | 180 5 | I2706004 | 3,90 |
| 1" | 80 5 | I2706005 | 4,95 |
| 1 1/4" | 50 2 | I2706006 | 7,20 |
| 1 1/2" | 40 2 | I2706007 | 8,35 |
| 2" | 24 1 | I2706008 | 12,00 |
| 2 1/2" | 12 1 | I2706009 | 19,20 |
| 3" | 8 1 | I270600A | 26,50 |
| 4" | 4 1 | I270600C | 45,20 |



280 ROSCA DOBLE

| Ø | | COD. | € |
|--------|--------|----------|-------|
| 1/8" | 700 10 | I2806000 | 1,30 |
| 1/4" | 500 10 | I2806001 | 1,95 |
| 3/8" | 400 10 | I2806002 | 2,25 |
| 1/2" | 240 10 | I2806003 | 2,35 |
| 3/4" | 120 5 | I2806004 | 3,30 |
| 1" | 80 5 | I2806005 | 4,90 |
| 1 1/4" | 45 3 | I2806006 | 7,35 |
| 1 1/2" | 30 2 | I2806007 | 10,10 |
| 2" | 20 1 | I2806008 | 13,25 |
| 2 1/2" | 12 1 | I2806009 | 28,20 |
| 3" | 8 1 | I280600A | 38,50 |
| 4" | 4 1 | I280600C | 58,35 |



285 RACOR PASAMUROS

| Ø | | COD. | € |
|--------|-------|----------|-------|
| 3/8" | 100 5 | I2856002 | 17,35 |
| 1/2" | 100 5 | I2856003 | 19,50 |
| 3/4" | 60 5 | I2856004 | 23,10 |
| 1" | 40 5 | I2856005 | 26,40 |
| 1 1/4" | 20 2 | I2856006 | 35,80 |
| 1 1/2" | 16 2 | I2856007 | 43,00 |
| 2" | 16 2 | I2856008 | 62,10 |



290 TAPÓN

| Ø | | COD. | € |
|--------|--------|----------|-------|
| 1/8" | 800 10 | I2906000 | 1,20 |
| 1/4" | 600 10 | I2906001 | 1,20 |
| 3/8" | 500 10 | I2906002 | 1,35 |
| 1/2" | 300 10 | I2906003 | 1,95 |
| 3/4" | 200 5 | I2906004 | 2,35 |
| 1" | 140 5 | I2906005 | 3,55 |
| 1 1/4" | 81 3 | I2906006 | 5,65 |
| 1 1/2" | 60 3 | I2906007 | 6,85 |
| 2" | 30 1 | I2906008 | 10,50 |
| 2 1/2" | 24 1 | I2906009 | 20,05 |
| 3" | 16 1 | I290600A | 28,10 |
| 4" | 8 1 | I290600C | 43,00 |



300 TAPA

| Ø | | COD. | € |
|--------|--------|----------|-------|
| 1/8" | 600 10 | I3006000 | 1,10 |
| 1/4" | 600 10 | I3006001 | 1,20 |
| 3/8" | 400 10 | I3006002 | 1,30 |
| 1/2" | 250 5 | I3006003 | 2,10 |
| 3/4" | 180 5 | I3006004 | 2,40 |
| 1" | 120 5 | I3006005 | 4,10 |
| 1 1/4" | 60 3 | I3006006 | 6,10 |
| 1 1/2" | 46 2 | I3006007 | 8,15 |
| 2" | 30 1 | I3006008 | 13,25 |
| 2 1/2" | 20 1 | I3006009 | 26,05 |
| 3" | 12 1 | I300600A | 31,50 |
| 4" | 8 1 | I300600C | 48,55 |



312 CONTRATUERA



315 PORTAGOMA

| Ø | | | COD. | € |
|--------|------|----|----------|-------|
| 1/8" | 1000 | 10 | I3106000 | 1,05 |
| 1/4" | 800 | 10 | I3106001 | 1,05 |
| 3/8" | 600 | 10 | I3106002 | 1,05 |
| 1/2" | 400 | 5 | I3106003 | 1,60 |
| 3/4" | 300 | 5 | I3106004 | 2,05 |
| 1" | 200 | 5 | I3106005 | 3,30 |
| 1 1/4" | 120 | 3 | I3106006 | 4,90 |
| 1 1/2" | 100 | 2 | I3106007 | 6,90 |
| 2" | 10 | 1 | I3106008 | 10,10 |
| 2 1/2" | 25 | 1 | I3106009 | 16,05 |
| 3" | 20 | 1 | I310600A | 21,70 |
| 4" | 10 | 1 | I310600C | 38,60 |

| Ø | | | COD. | € |
|-----------------|-----|----|----------|-------|
| 1/8" x 8 mm. | 500 | 10 | I3156000 | 2,05 |
| 1/4" x 9 mm. | 500 | 10 | I3156001 | 2,25 |
| 3/8" x 11 mm. | 350 | 10 | I3156002 | 2,80 |
| 1/2" x 15 mm. | 200 | 10 | I3156003 | 3,50 |
| 3/4" x 20 mm. | 120 | 5 | I3156004 | 5,55 |
| 1" x 27 mm. | 60 | 5 | I3156005 | 7,50 |
| 1 1/4" x 33 mm. | 40 | 2 | I3156006 | 11,55 |
| 1 1/2" x 40 mm. | 35 | 1 | I3156007 | 15,65 |
| 2" x 53 mm. | 15 | 1 | I3156008 | 22,85 |
| 2 1/2" x 66 mm. | 10 | 1 | I3156009 | 33,15 |
| 3" x 80 mm. | 8 | 1 | I315600A | 47,05 |
| 4" x 105 mm. | 2 | 1 | I315600C | 82,35 |



330 UNIÓN ASIENTO PLANO H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/4" | 120 | 10 | I3306001 | 6,55 |
| 3/8" | 100 | 10 | I3306002 | 8,10 |
| 1/2" | 100 | 10 | I3306003 | 8,30 |
| 3/4" | 60 | 10 | I3306004 | 11,25 |
| 1" | 40 | 10 | I3306005 | 15,65 |
| 1 1/4" | 20 | 5 | I3306006 | 25,05 |
| 1 1/2" | 18 | 3 | I3306007 | 29,70 |
| 2" | 16 | 2 | I3306008 | 47,65 |
| 2 1/2" | 6 | 2 | I3306009 | 79,15 |
| 3" | 4 | 1 | I330600A | 107,35 |
| 4" | 2 | 1 | I330600C | 163,85 |



331 UNIÓN ASIENTO PLANO M/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/4" | 200 | 10 | I3316001 | 6,55 |
| 3/8" | 150 | 10 | I3316002 | 8,85 |
| 1/2" | 100 | 10 | I3316003 | 9,00 |
| 3/4" | 60 | 5 | I3316004 | 13,15 |
| 1" | 42 | 3 | I3316005 | 18,05 |
| 1 1/4" | 21 | 3 | I3316006 | 28,20 |
| 1 1/2" | 16 | 2 | I3316007 | 32,95 |
| 2" | 10 | 1 | I3316008 | 52,05 |
| 2 1/2" | 6 | 1 | I3316009 | 85,65 |
| 3" | 4 | 1 | I331600A | 119,60 |
| 4" | 2 | 1 | I331600C | 181,60 |



340 UNIÓN ASIENTO CÓNICO H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/8" | 250 | 10 | I3406000 | 4,80 |
| 1/4" | 200 | 10 | I3406001 | 6,50 |
| 3/8" | 150 | 10 | I3406002 | 7,95 |
| 1/2" | 100 | 10 | I3406003 | 8,05 |
| 3/4" | 60 | 5 | I3406004 | 9,55 |
| 1" | 42 | 3 | I3406005 | 14,25 |
| 1 1/4" | 21 | 3 | I3406006 | 22,50 |
| 1 1/2" | 16 | 2 | I3406007 | 28,60 |
| 2" | 16 | 1 | I3406008 | 37,05 |
| 2 1/2" | 6 | 1 | I3406009 | 65,35 |
| 3" | 4 | 1 | I340600A | 86,40 |
| 4" | 2 | 1 | I340600C | 125,30 |



341 UNIÓN ASIENTO CÓNICO M/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/8" | 250 | 10 | I3416000 | 7,20 |
| 1/4" | 200 | 10 | I3416001 | 8,40 |
| 3/8" | 120 | 10 | I3416002 | 8,95 |
| 1/2" | 100 | 10 | I3416003 | 9,40 |
| 3/4" | 50 | 5 | I3416004 | 11,20 |
| 1" | 30 | 3 | I3416005 | 16,95 |
| 1 1/4" | 21 | 3 | I3416006 | 26,40 |
| 1 1/2" | 16 | 2 | I3416007 | 34,40 |
| 2" | 10 | 1 | I3416008 | 44,30 |
| 2 1/2" | 5 | 1 | I3416009 | 74,50 |
| 3" | 2 | 1 | I341600A | 93,80 |
| 4" | 1 | | I341600C | 148,35 |


**JUNTA PTFE PLANA
PARA 330 Y 331**

531 CASQUILLO INTERIOR

| Ø | | COD. | € |
|--------|--------|----------|------|
| 1/4" | 100 10 | I33J0001 | 0,55 |
| 3/8" | 100 10 | I33J0002 | 0,55 |
| 1/2" | 100 10 | I33J0003 | 0,70 |
| 3/4" | 100 10 | I33J0004 | 0,75 |
| 1" | 100 10 | I33J0005 | 1,05 |
| 1 1/4" | 100 10 | I33J0006 | 1,45 |
| 1 1/2" | 100 10 | I33J0007 | 2,55 |
| 2" | 100 10 | I33J0008 | 3,50 |
| 2 1/2" | 100 10 | I33J0009 | 5,00 |
| 3" | 100 10 | I33J000A | 5,00 |
| 4" | 100 10 | I33J000C | 6,90 |



| Ø | | COD. | € |
|--------|---------|----------|------|
| 1/4" | 1000 10 | I5316001 | 1,75 |
| 3/8" | 600 10 | I5316002 | 2,15 |
| 1/2" | 350 5 | I5316003 | 2,75 |
| 3/4" | 200 5 | I5316004 | 2,85 |
| 1" | 140 5 | I5316005 | 4,20 |
| 1 1/4" | 80 2 | I5316006 | 5,95 |
| 1 1/2" | 60 2 | I5316007 | 6,15 |
| 2" | 18 1 | I5316008 | 8,40 |


530 BOBINA ROSCADA

| Ø | | COD. | € |
|------------------|--------|----------|-------|
| 1/8" x 40 mm. | 800 10 | I5306000 | 1,95 |
| 1/4" x 40 mm. | 500 10 | I5306001 | 2,00 |
| 3/8" x 40 mm. | 400 10 | I5306002 | 2,05 |
| 3/8" x 80 mm. | 280 10 | I5362080 | 4,00 |
| 3/8" x 150 mm. | 120 10 | I5362150 | 4,35 |
| 1/2" x 60 mm. | 180 10 | I5306003 | 2,85 |
| 1/2" x 80 mm. | 210 10 | I5363080 | 4,00 |
| 1/2" x 120 mm. | 120 10 | I5363120 | 4,65 |
| 1/2" x 150 mm. | 110 10 | I5363150 | 5,40 |
| 3/4" x 60 mm. | 120 10 | I5306004 | 4,15 |
| 3/4" x 100 mm. | 60 10 | I5364100 | 4,90 |
| 3/4" x 120 mm. | 70 10 | I5364120 | 5,70 |
| 3/4" x 150 mm. | 60 10 | I5364150 | 6,50 |
| 3/4" x 200 mm. | 50 10 | I5364200 | 8,40 |
| 1" x 40 mm. | 140 10 | I5365040 | 4,00 |
| 1" x 60 mm. | 120 5 | I5306005 | 4,75 |
| 1" x 80 mm. | 70 10 | I5365080 | 5,95 |
| 1" x 100 mm. | 60 10 | I5365100 | 6,40 |
| 1" x 150 mm. | 40 10 | I5365150 | 9,40 |
| 1" x 200 mm. | 30 10 | I5365200 | 11,20 |
| 1 1/4" x 80 mm. | 40 2 | I5306006 | 8,50 |
| 1 1/4" x 100 mm. | 40 10 | I5366100 | 7,40 |
| 1 1/4" x 150 mm. | 25 1 | I5366150 | 10,80 |
| 1 1/2" x 80 mm. | 25 1 | I5306007 | 8,95 |
| 1 1/2" x 150 mm. | 20 1 | I5367150 | 23,50 |
| 2" x 60 mm. | 30 10 | I5368060 | 11,95 |
| 2" x 100 mm. | 18 1 | I5306008 | 14,50 |
| 2" x 150 mm. | 12 1 | I5368150 | 25,10 |
| 2 1/2" x 100 mm. | 10 1 | I5306009 | 24,20 |
| 3" x 120 mm. | 5 1 | I530600A | 34,15 |
| 4" x 120 mm. | 2 1 | I530600C | 68,35 |


**600 BOBINA ROSCADA
A UN LADO**

| Ø | | COD. | € |
|-----------------|---------|----------|-------|
| 1/8" x 30 mm. | 1200 10 | I6006000 | 1,25 |
| 1/4" x 30 mm. | 500 10 | I6006001 | 1,35 |
| 3/8" x 30 mm. | 500 10 | I6006002 | 1,45 |
| 1/2" x 35 mm. | 300 5 | I6006003 | 1,95 |
| 3/4" x 40 mm. | 180 5 | I6006004 | 2,55 |
| 1" x 40 mm. | 120 5 | I6006005 | 3,75 |
| 1 1/4" x 50 mm. | 60 3 | I6006006 | 5,55 |
| 1 1/2" x 50 mm. | 40 2 | I6006007 | 6,35 |
| 2" x 50 mm. | 30 1 | I6006008 | 8,80 |
| 2 1/2" x 60 mm. | 18 1 | I6006009 | 16,60 |
| 3" x 70 mm. | 12 1 | I600600A | 25,00 |
| 4" x 80mm. | 4 1 | I600600C | 40,15 |


**700 ENTRONQUE
ROSCA - MANGUERA**

| Ø | | COD. | € |
|------------------|--------|----------|-------|
| 1/4" x 70 mm. | 400 10 | I7001070 | 2,50 |
| 3/8" x 70 mm. | 250 10 | I7002070 | 3,10 |
| 1/2" x 70 mm. | 180 10 | I7003070 | 3,90 |
| 3/4" x 70 mm. | 120 10 | I7004070 | 4,80 |
| 1" x 70 mm. | 90 5 | I7005070 | 6,40 |
| 1 1/4" x 70 mm. | 40 5 | I7006070 | 8,40 |
| 1 1/2" x 100 mm. | 25 5 | I7007100 | 12,35 |
| 2" x 100 mm. | 20 1 | I7008100 | 16,40 |


**800 ENTRONQUE
MANGUERA - MANGUERA**

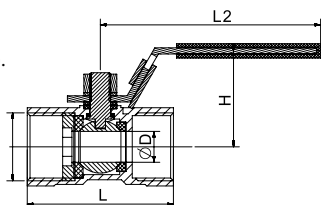
| Ø | | COD. | € |
|------------------|--------|----------|-------|
| 1/4" x 66 mm. | 300 10 | I8001066 | 2,50 |
| 3/8" x 76 mm. | 250 10 | I8002076 | 3,25 |
| 1/2" x 86 mm. | 160 10 | I8003086 | 4,40 |
| 3/4" x 100 mm. | 80 10 | I8004100 | 6,00 |
| 1" x 114 mm. | 50 5 | I8005114 | 8,95 |
| 1 1/4" x 114 mm. | 30 5 | I8006114 | 11,75 |
| 1 1/2" x 122 mm. | 25 5 | I8007122 | 14,85 |
| 2" x 130 mm. | 15 1 | I8008130 | 20,10 |

VÁLVULAS INOXIDABLES AISI 316



VÁLVULA DE ESFERA UNA PIEZA

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Extremos rosca ISO 7/1 (roscas R-Rp).
Temperatura de trabajo: -20° C a 180° C.
Presión de trabajo: 1000 WOG/PN 63.
Sistema de bloqueo.

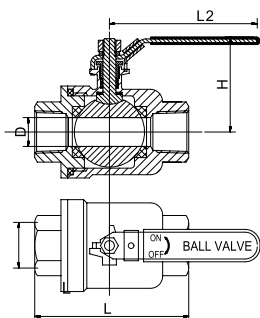


| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|-------|----------|-------|
| 1/4" | 5,0 | 40 | 62,5 | 30,7 | 200 1 | IVB10061 | 9,70 |
| 3/8" | 7,0 | 44 | 74,5 | 34,7 | 120 1 | IVB10062 | 9,70 |
| 1/2" | 9,2 | 56 | 86,5 | 40,7 | 70 1 | IVB10063 | 11,15 |
| 3/4" | 12,5 | 59 | 88,5 | 43,2 | 50 1 | IVB10064 | 14,15 |
| 1" | 15,0 | 71 | 107,0 | 49,2 | 30 1 | IVB10065 | 19,00 |
| 1 1/4" | 20,0 | 78 | 107,0 | 52,8 | 24 1 | IVB10066 | 32,95 |
| 1 1/2" | 25,0 | 83 | 132,0 | 66,4 | 16 1 | IVB10067 | 36,35 |
| 2" | 32,0 | 95 | 132,0 | 72,2 | 12 1 | IVB10068 | 57,05 |



VÁLVULA DE ESFERA DOS PIEZAS PASO TOTAL

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Extremos rosca ISO 7/1 (roscas R-Rp).
Temperatura de trabajo: -20° C a 180° C.
Presión de trabajo: 1000 WOG/PN 63.
Sistema de bloqueo.

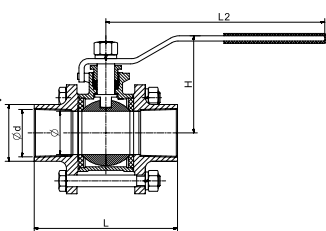


| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|------|----------|--------|
| 1/4" | 12,5 | 49,0 | 100 | 47 | 60 1 | IVB20061 | 13,40 |
| 3/8" | 12,5 | 49,0 | 100 | 47 | 60 1 | IVB20062 | 13,40 |
| 1/2" | 15,0 | 56,0 | 102 | 48 | 45 1 | IVB20063 | 13,55 |
| 3/4" | 20,0 | 64,5 | 112 | 59 | 25 1 | IVB20064 | 18,25 |
| 1" | 25,0 | 78,0 | 120 | 56 | 16 1 | IVB20065 | 27,05 |
| 1 1/4" | 32,0 | 88,0 | 135 | 68 | 10 1 | IVB20066 | 40,20 |
| 1 1/2" | 38,0 | 96,5 | 148 | 83 | 6 1 | IVB20067 | 55,05 |
| 2" | 50,0 | 116,5 | 165 | 99 | 4 1 | IVB20068 | 89,80 |
| 2 1/2" | 65,0 | 146,5 | 235 | 128 | 4 1 | IVB20069 | 211,35 |
| 3" | 76,0 | 168,0 | 235 | 135 | 2 1 | IVB2006A | 306,30 |
| 4" | 94,0 | 214,0 | 308 | 172 | 2 1 | IVB2006C | 580,15 |



VÁLVULA DE ESFERA TRES PIEZAS PASO TOTAL - ROSCADA

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Extremos rosca ISO 7/1 (roscas R-Rp).
Temperatura de trabajo: -20° C a 180° C.
Presión de trabajo: 1000 WOG/PN 63.
Sistema de bloqueo.

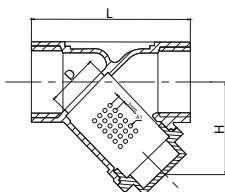


| Ø | d mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|------|----------|--------|
| 1/4" | 12,50 | 51 | 100 | 45 | 40 1 | IVB30061 | 22,30 |
| 3/8" | 12,50 | 51 | 100 | 45 | 36 1 | IVB30062 | 22,30 |
| 1/2" | 15,00 | 62 | 100 | 49 | 30 1 | IVB30063 | 22,30 |
| 3/4" | 20,00 | 69 | 112 | 60 | 16 1 | IVB30064 | 35,45 |
| 1" | 25,00 | 79 | 112 | 64 | 11 1 | IVB30065 | 40,20 |
| 1 1/4" | 32,00 | 96 | 145 | 80 | 6 1 | IVB30066 | 63,75 |
| 1 1/2" | 38,00 | 102 | 145 | 83 | 4 1 | IVB30067 | 80,40 |
| 2" | 50,00 | 124 | 165 | 97 | 2 1 | IVB30068 | 130,05 |
| 2 1/2" | 65,00 | 159 | 230 | 118 | 2 1 | IVB30069 | 258,10 |
| 3" | 76,00 | 179 | 230 | 125 | 1 1 | IVB3006A | 373,05 |
| 4" | 94,00 | 220 | 300 | 169 | 1 1 | IVB3006C | 678,55 |



FILTRO EN "Y"

Cuerpo en acero inoxidable CF8M (AISI 316).
Temperatura de trabajo: -20° C a 160° C.
Extremos rosca ISO 7/1 (roscas R-Rp).
Presión de trabajo: PN 50.
Junta en PTFE.

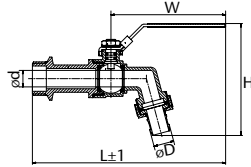


| Ø | D mm. | L mm. | H mm. | | COD. | € |
|--------|-------|-------|-------|------|----------|-------|
| 1/2" | 10 | 63 | 38 | 70 1 | IVF00063 | 14,85 |
| 3/4" | 20 | 80 | 55 | 45 1 | IVF00064 | 19,00 |
| 1" | 25 | 90 | 56 | 25 1 | IVF00065 | 32,70 |
| 1 1/4" | 32 | 108 | 60 | 14 1 | IVF00066 | 43,05 |
| 1 1/2" | 40 | 120 | 70 | 12 1 | IVF00067 | 54,55 |
| 2" | 50 | 142 | 82 | 6 1 | IVF00068 | 82,45 |



GRIFO MANGUERA

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en SS 301 recubierta en PVC azul.
Junta conexión en viton.
Extremos rosca BSP.
Temperatura de trabajo: -20° C a 160° C.
Presión de trabajo: PN 16.

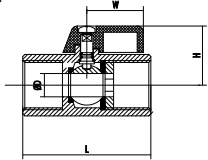


| Ø | D mm. | L mm. | H mm. | W mm. | | COD. | € |
|------|-------|-------|-------|-------|------|----------|-------|
| 1/2" | 13,0 | 145,0 | 87 | 92 | 40 1 | IVG06003 | 21,40 |
| 3/4" | 16,0 | 154,0 | 92 | 105 | 30 1 | IVG06004 | 28,25 |
| 1" | 27,5 | 183,5 | 115 | 105 | 20 1 | IVG06005 | 32,55 |



VÁLVULA ESFERA MINI H/H

Cuerpo en acero inoxidable CF8M (AISI 316).
Maneta en aluminio.
Bola en acero inoxidable CF8M.
O-ring en viton.
Extremos rosca ISO 7/1 (rosca R-Rp).

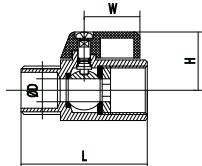


| Ø | D mm. | L mm. | H mm. | W mm. | | COD. | € |
|------|-------|-------|-------|-------|-------|----------|-------|
| 1/4" | 7,0 | 42 | 25,0 | 22,8 | 160 1 | IVBHH061 | 14,00 |
| 3/8" | 7,0 | 42 | 25,0 | 22,8 | 160 1 | IVBHH062 | 14,00 |
| 1/2" | 9,2 | 47 | 28,3 | 22,8 | 80 1 | IVBHH063 | 17,75 |



VÁLVULA ESFERA MINI M/H

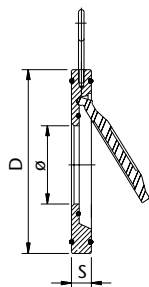
Cuerpo en acero inoxidable CF8M (AISI 316).
Maneta en aluminio.
Bola en acero inoxidable CF8M.
O-ring en viton.
Extremos rosca ISO 7/1 (rosca R-Rp).



| Ø | D mm. | L mm. | H mm. | W mm. | | COD. | € |
|------|-------|-------|-------|-------|-------|----------|-------|
| 1/4" | 7,0 | 42 | 25,0 | 22,8 | 160 1 | IVBMH061 | 14,00 |
| 3/8" | 7,0 | 42 | 25,0 | 22,8 | 160 1 | IVBMH062 | 14,00 |
| 1/2" | 9,2 | 47 | 28,3 | 22,8 | 80 1 | IVBMH063 | 17,75 |



VÁLVULA DE RETENCIÓN CON CLAPETA - SERIE LIGERA



| DN | S mm. | D mm. | Ø mm. | PESO Kg. | COD. | € |
|-----|-------|-------|-------|----------|----------|----------|
| 40 | 14 | 94 | 22 | 0,8 | VF540040 | 69,55 |
| 50 | 14 | 107 | 32 | 1,0 | VF540050 | 73,15 |
| 65 | 14 | 127 | 40 | 1,5 | VF540065 | 90,05 |
| 80 | 14 | 142 | 54 | 2,0 | VF540080 | 116,65 |
| 100 | 18 | 162 | 70 | 2,5 | VF540100 | 165,25 |
| 125 | 18 | 192 | 92 | 3,5 | VF540125 | 212,25 |
| 150 | 20 | 218 | 114 | 4,5 | VF540150 | 277,45 |
| 200 | 22 | 273 | 154 | 7,5 | VF540200 | 515,90 |
| 250 | 26 | 329 | 200 | 12,0 | VF540250 | 772,05 |
| 300 | 28 | 384 | 235 | 17,5 | VF540300 | 1.057,75 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
Temperatura de trabajo: -10° C a 150° C.
Para bridas DIN EN 1092 PN 16.

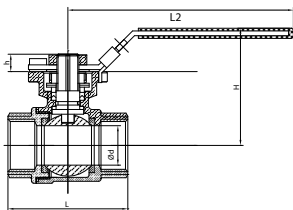
COMPONENTES

Cuerpo: Acero Inoxidable AISI 316
Disco: Acero Inoxidable AISI 316
Asiento Cuerpo: Viton
Asiento Disco: Viton
Sujeción: Acero Inoxidable AISI 316



VÁLVULA DE ESFERA DOS PIEZAS PASO TOTAL CON PLACA - ROSCADA

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Extremos rosca ISO 7/1 (roscas R-Rp).
Temperatura de trabajo: -10° C a 150° C.
Presión de trabajo: 1000 WOG/PN 63.
Sistema de bloqueo.
Montador actuador directo según ISO 5211

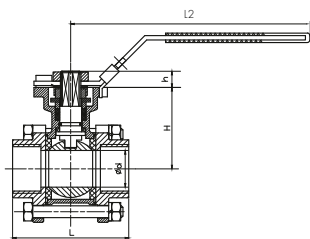


| Ø | d mm. | L mm. | L2 mm. | H mm. | h mm. | | COD. | € |
|--------|-------|-------|--------|-------|-------|------|----------|--------|
| 1/4" | 9,0 | 48,0 | 120,5 | 37,0 | 9 | 60 1 | IVB2P061 | 19,60 |
| 3/8" | 12,5 | 48,0 | 120,5 | 39,0 | 9 | 60 1 | IVB2P062 | 19,60 |
| 1/2" | 15,0 | 56,0 | 120,5 | 39,0 | 9 | 45 1 | IVB2P063 | 22,20 |
| 3/4" | 20,0 | 64,0 | 120,5 | 41,5 | 9 | 25 1 | IVB2P064 | 31,70 |
| 1" | 25,0 | 76,0 | 140,0 | 47,0 | 11 | 16 1 | IVB2P065 | 42,00 |
| 1 1/4" | 32,0 | 86,5 | 140,0 | 52,0 | 11 | 10 1 | IVB2P066 | 62,10 |
| 1 1/2" | 38,0 | 97,5 | 170,0 | 62,0 | 14 | 6 1 | IVB2P067 | 79,35 |
| 2" | 50,0 | 117,5 | 170,0 | 71,0 | 14 | 4 1 | IVB2P068 | 122,80 |



VÁLVULA DE ESFERA TRES PIEZAS PASO TOTAL CON PLACA - ROSCADA

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Extremos rosca ISO 7/1 (roscas R-Rp).
Temperatura de trabajo: -20° C a 180° C.
Presión de trabajo:
1000 WOG/PN 63 de 1/2" a 1 1/2".
600 WOG/PN 40 de 2" a 4".
Sistema de bloqueo.
Montaje actuador directo según ISO 5211.

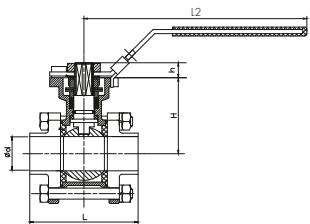


| Ø | d mm. | L mm. | L2 mm. | H mm. | h mm. | | COD. | € |
|--------|-------|-------|--------|-------|-------|------|----------|--------|
| 1/2" | 15 | 61 | 120,5 | 39,0 | 9 | 30 1 | IVB3P063 | 30,55 |
| 3/4" | 20 | 69 | 120,5 | 41,5 | 9 | 16 1 | IVB3P064 | 41,75 |
| 1" | 25 | 79 | 140,0 | 47,0 | 11 | 11 1 | IVB3P065 | 50,30 |
| 1 1/4" | 32 | 96 | 140,0 | 52,0 | 11 | 6 1 | IVB3P066 | 83,40 |
| 1 1/2" | 38 | 102 | 170,0 | 62,0 | 14 | 4 1 | IVB3P067 | 107,10 |
| 2" | 50 | 124 | 170,0 | 71,0 | 14 | 2 1 | IVB3P068 | 154,15 |
| 2 1/2" | 65 | 158 | 230,0 | 89,0 | 18 | 2 1 | IVB3P069 | 375,90 |
| 3" | 76 | 179 | 230,0 | 98,0 | 18 | 1 1 | IVB3P06A | 538,20 |
| 4" | 94 | 220 | 300,0 | 129,0 | 22 | 1 1 | IVB3P06C | 815,20 |



VÁLVULA DE ESFERA TRES PIEZAS PASO TOTAL CON PLACA - BUTT WELD

Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Temperatura de trabajo: -20° C a 180° C.
Presión de trabajo:
1000 WOG/PN 63 de 1/2" a 1 1/2".
600 WOG/PN 40 de 2" a 4".
Sistema de bloqueo.
Montaje actuador directo según ISO 5211.
Extremos para soldar Butt Weld ANSI B 16.25.

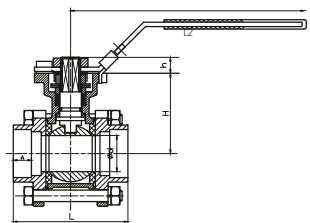


| Ø | d mm. | L mm. | L2 mm. | H mm. | h mm. | | COD. | € |
|--------|-------|-------|--------|-------|-------|------|----------|--------|
| 1/2" | 15 | 61 | 120,5 | 39,0 | 9 | 30 1 | IVB3PB63 | 30,55 |
| 3/4" | 20 | 69 | 120,5 | 41,5 | 9 | 16 1 | IVB3PB64 | 41,75 |
| 1" | 25 | 79 | 140,0 | 47,0 | 11 | 11 1 | IVB3PB65 | 50,30 |
| 1 1/4" | 32 | 96 | 140,0 | 52,0 | 11 | 6 1 | IVB3PB66 | 83,40 |
| 1 1/2" | 38 | 102 | 170,0 | 62,0 | 14 | 4 1 | IVB3PB67 | 107,10 |
| 2" | 50 | 124 | 170,0 | 71,0 | 14 | 2 1 | IVB3PB68 | 154,15 |
| 2 1/2" | 65 | 158 | 230,0 | 89,0 | 18 | 2 1 | IVB3PB69 | 375,90 |
| 3" | 76 | 179 | 230,0 | 98,0 | 18 | 1 1 | IVB3PB6A | 538,20 |
| 4" | 94 | 220 | 300,0 | 129,0 | 22 | 1 1 | IVB3PB6C | 815,20 |



VÁLVULA DE ESFERA TRES PIEZAS PASO TOTAL CON PLACA - SOCKET WELD

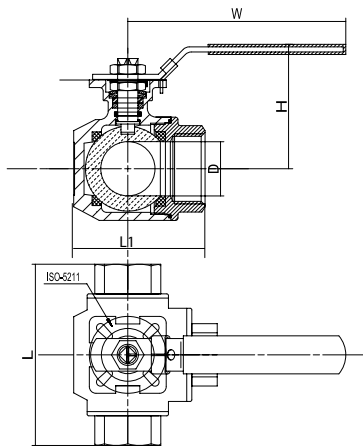
Cuerpo en acero inoxidable CF8M (AISI 316).
Eje en AISI 316.
Maneta en AISI 304 recubierta en PVC azul.
Asiento de la bola PTFE + 15% GF.
Temperatura de trabajo: -20° C a 180° C.
Presión de trabajo:
1000 WOG/PN 63 de 1/2" a 1 1/2".
600 WOG/PN 40 de 2" a 4".
Sistema de bloqueo.
Montaje actuador directo según ISO 5211.
Extremos para soldar Socket Weld ANSI B 16.11.



| Ø | d mm. | L mm. | L2 mm. | H mm. | h mm. | | COD. | € |
|--------|-------|-------|--------|-------|-------|------|----------|--------|
| 1/2" | 15 | 61 | 120,5 | 39,0 | 9 | 30 1 | IVB3PS63 | 30,55 |
| 3/4" | 20 | 69 | 120,5 | 41,5 | 9 | 16 1 | IVB3PS64 | 41,75 |
| 1" | 25 | 79 | 140,0 | 47,0 | 11 | 11 1 | IVB3PS65 | 50,30 |
| 1 1/4" | 32 | 96 | 140,0 | 52,0 | 11 | 6 1 | IVB3PS66 | 83,40 |
| 1 1/2" | 38 | 102 | 170,0 | 62,0 | 14 | 4 1 | IVB3PS67 | 107,10 |
| 2" | 50 | 124 | 170,0 | 71,0 | 14 | 2 1 | IVB3PS68 | 154,15 |
| 2 1/2" | 65 | 158 | 230,0 | 89,0 | 18 | 2 1 | IVB3PS69 | 375,90 |
| 3" | 76 | 179 | 230,0 | 98,0 | 18 | 1 1 | IVB3PS6A | 538,20 |
| 4" | 94 | 220 | 300,0 | 129,0 | 22 | 1 1 | IVB3PS6C | 815,20 |

VÁLVULA DE ESFERA TRES VÍAS PASO TIPO "T" O TIPO "L"


| Ø | DN | L1 ±2 mm. | Ø D mm. | H mm. | W mm. | ISO 5211 | | COD. TIPO "T" | COD. TIPO "L" | € |
|--------|----|-----------|---------|-------|-------|----------|------|---------------|---------------|--------|
| 1/4" | 8 | 64 | 9,0 | 76 | 143 | F04/03 | 15 1 | IVBT0061 | IVBL0061 | 68,70 |
| 3/8" | 10 | 64 | 11,0 | 76 | 143 | F04/03 | 15 1 | IVBT0062 | IVBL0062 | 68,70 |
| 1/2" | 15 | 64 | 12,5 | 76 | 143 | F04/03 | 13 1 | IVBT0063 | IVBL0063 | 69,90 |
| 3/4" | 20 | 68 | 16,0 | 80 | 143 | F04/03 | 7 1 | IVBT0064 | IVBL0064 | 83,50 |
| 1" | 25 | 82 | 20,0 | 95 | 163 | F05/04 | 5 1 | IVBT0065 | IVBL0065 | 117,55 |
| 1 1/4" | 32 | 90 | 25,0 | 98 | 163 | F05/04 | 4 1 | IVBT0066 | IVBL0066 | 180,75 |
| 1 1/2" | 40 | 107 | 32,0 | 110 | 188 | F07/05 | 3 1 | IVBT0067 | IVBL0067 | 249,45 |
| 2" | 50 | 124 | 38,0 | 119 | 188 | F07/05 | 2 1 | IVBT0068 | IVBL0068 | 392,20 |


CARACTERÍSTICAS TÉCNICAS

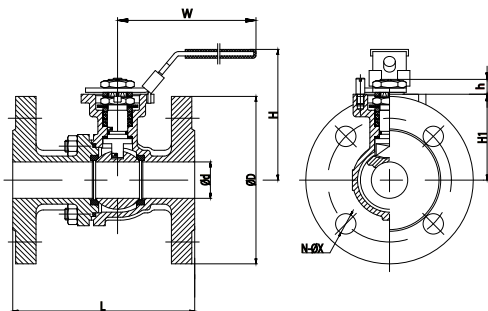
Presión de trabajo: PN 63.
 Temperatura de trabajo: -20° C a 180° C.
 Montaje actuador directo según ISO 5211.
 Extremos roscas ISO 7/1 (roscas R-Rp).

COMPONENTES

Cuerpo: Acero inoxidable CF8M (AISI 316)
Juntas: PTFE+15%GF
Junta del Eje: Vitón
Eje: AISI 316
Maneta: AISI 304 recubierta en PVC azul
Bola: AISI 316

VÁLVULA DE ESFERA PASO TOTAL DOS PIEZAS CON BRIDAS


| Ø | DN | L mm. | Ø d mm. | Ø D mm. | H mm. | W mm. | ISO 5211 | | COD. | € |
|--------|-----|-------|---------|---------|-------|-------|----------|---|----------|----------|
| 1/2" | 15 | 115 | 15 | 95 | 76 | 110 | F03-F04 | 1 | IVB20015 | 130,50 |
| 3/4" | 20 | 120 | 20 | 105 | 81 | 110 | F03-F04 | 1 | IVB20020 | 166,70 |
| 1" | 25 | 125 | 25 | 115 | 90 | 140 | F04-F05 | 1 | IVB20025 | 201,60 |
| 1 1/4" | 32 | 130 | 32 | 140 | 102 | 140 | F04-F05 | 1 | IVB20032 | 288,55 |
| 1 1/2" | 40 | 140 | 38 | 150 | 114 | 185 | F05-F07 | 1 | IVB20040 | 329,60 |
| 2" | 50 | 150 | 50 | 165 | 122 | 185 | F05-F07 | 1 | IVB20050 | 434,00 |
| 2 1/2" | 65 | 170 | 65 | 185 | 168 | 305 | F07-F10 | 1 | IVB20B65 | 627,55 |
| 3" | 80 | 180 | 78 | 200 | 178 | 305 | F07-F10 | 1 | IVB20080 | 994,65 |
| 4" | 100 | 190 | 100 | 220 | 198 | 305 | F07-F10 | 1 | IVB20100 | 1.457,50 |
| 5" | 125 | 325 | 125 | 250 | 234 | 500 | F10-F12 | 1 | IVB20125 | 2.312,80 |
| 6" | 150 | 350 | 150 | 285 | 250 | 645 | F10-F12 | 1 | IVB20150 | 3.233,05 |

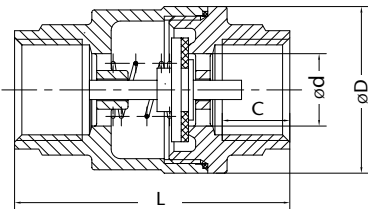

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 40 de DN 15 a DN 40; PN 16 de DN 50 a DN 150.
 Temperatura de trabajo: -30° C a 180° C.
 Bridas DIN 2635 de DN 15 a DN 40; DIN 2633 de DN 50 a DN 150.
 Longitud entre caras según DIN 3202-F4.
 Fire Safe API607.
 Dispositivo antiestático.
 Montaje actuador directo según ISO 5211.
 Certificado ATEX según la Directiva 2014/34/EU.

COMPONENTES

Cuerpo: Acero inoxidable CF8M (AISI 316)
Juntas: PTFE+15%GF
Junta del Eje: Vitón
Eje: AISI 316
Maneta: A276 201 recubierta en PVC azul
Bola: AISI 316

VÁLVULA INOX RETENCIÓN ROSCADA PN 63



| Ø | Ø d mm. | Ø D mm. | C mm. | L mm. | COD. | € |
|--------|---------|---------|-------|-------|----------|-------|
| 1/4" | 10,5 | 30,0 | 12 | 54 | IV130601 | 17,75 |
| 3/8" | 13,0 | 30,0 | 12 | 54 | IV130602 | 17,75 |
| 1/2" | 15,0 | 34,5 | 14 | 57 | IV130603 | 18,00 |
| 3/4" | 20,0 | 41,5 | 15 | 64 | IV130604 | 24,40 |
| 1" | 25,0 | 48,6 | 18 | 80 | IV130605 | 31,70 |
| 1 1/4" | 32,0 | 60,5 | 17 | 82 | IV130606 | 46,75 |
| 1 1/2" | 40,0 | 71,0 | 18 | 93 | IV130607 | 59,60 |
| 2" | 50,0 | 87,0 | 17 | 100 | IV130608 | 84,80 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 63.

Extremos roscados según ISO 7/1.

Temperatura de trabajo: -20° C a 150° C.

Instalación en cualquier posición siempre respetando la dirección del fluido indicada por la flecha.

COMPONENTES

Cuerpo: CF8M (AISI 316)

Muelle: AISI 316

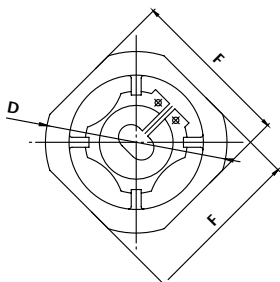
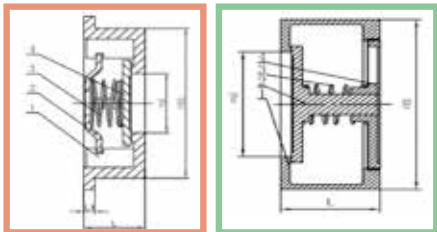
Disco: CF8M (AISI 316)

Junta disco: Viton

Tapa: CF8M (AISI 316)

Junta: PTFE

VÁLVULA INOX RETENCIÓN A DISCO TIPO WAFER PN 63



| Ø | DN | Ø D mm. | F mm. | Ø D1 mm. | L1 | L mm. | COD. | € |
|--------|-----|---------|-------|----------|----|-------|----------|--------|
| 1/2" | 15 | 53 | 46 | 43 | 4 | 16,5 | IV566015 | 13,60 |
| 3/4" | 20 | 63 | 55 | 53 | 5 | 19,5 | IV566020 | 15,60 |
| 1" | 25 | 73 | 65 | 63 | 4 | 22,0 | IV566025 | 19,85 |
| 1 1/4" | 32 | 84 | 78 | 75 | 6 | 28,0 | IV566032 | 31,00 |
| 1 1/2" | 40 | 94 | 88 | 86 | 6 | 32,0 | IV566040 | 43,30 |
| 2" | 50 | 107 | 98 | 94 | 7 | 40,0 | IV566050 | 59,10 |
| 2 1/2" | 65 | 126 | 118 | 115 | 7 | 46,0 | IV566065 | 88,20 |
| 3" | 80 | 144 | 134 | 130 | 8 | 50,0 | IV566080 | 127,10 |
| 4" | 100 | 164 | 154 | 152 | 9 | 60,0 | IV566100 | 190,85 |
| 5" | 125 | 190 | | | | 82,0 | IV566125 | 381,75 |
| 6" | 150 | 217 | | | | 102,0 | IV566150 | 536,05 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 63.

Temperatura de trabajo: -20° C a 425° C.

Válidas para agua, gas, vapor, condensados, aceites y ácidos.

Instalación en cualquier posición siempre respetando la dirección del fluido indicada por la flecha.

Longitud entre caras según EN 558 serie 49 (salvo DN 125 y 150).

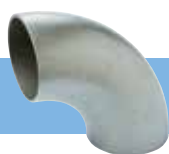
COMPONENTES

Cuerpo: CF8M (AISI 316)

SopORTE de muelle: AISI 304

Muelle: AISI 304

Disco: CF8M (AISI 316)

ACCESORIOS PARA SOLDAR - ISO

CODO 90° 3D DE TUBO SOLDADO

| Ø | Ø mm. | DN | AISI 304L ESP. 2 mm. | | AISI 316L ESP. 2 mm. | | AISI 316L ESP. 3 mm. | |
|--------|-------|-----|-------------------------|--------|-------------------------|--------|-------------------------|--------|
| | | | COD. | € | COD. | € | COD. | € |
| 1/2" | 21,3 | 15 | IC934203 | 4,00 | IC936203 | 4,30 | | |
| 3/4" | 26,9 | 20 | IC934204 | 4,00 | IC936204 | 4,30 | | |
| 1" | 33,7 | 25 | IC934205 | 4,15 | IC936205 | 5,30 | IC936305 | 8,05 |
| 1 1/4" | 42,4 | 32 | IC934206 | 5,30 | IC936206 | 6,55 | IC936306 | 9,15 |
| 1 1/2" | 48,3 | 40 | IC934207 | 6,20 | IC936207 | 7,80 | IC936307 | 10,80 |
| 2" | 60,3 | 50 | IC934208 | 8,70 | IC936208 | 11,30 | IC936308 | 14,85 |
| 2 1/2" | 76,1 | 65 | IC934209 | 16,60 | IC936209 | 20,15 | IC936309 | 26,85 |
| 3" | 88,9 | 80 | IC93420A | 19,00 | IC93620A | 28,25 | IC93630A | 34,50 |
| 4" | 114,3 | 100 | IC93420C | 28,15 | IC93620C | 37,30 | IC93630C | 55,15 |
| 5" | 139,7 | 125 | IC93420D | 64,15 | IC93620D | 89,50 | IC93630D | 115,55 |
| 6" | 168,3 | 150 | IC93420E | 75,50 | IC93620E | 101,45 | IC93630E | 130,15 |
| 8" | 219,1 | 200 | IC93420F | 133,35 | IC93620F | 171,85 | | |
| 10" | 273,0 | 250 | IC93420G | 289,90 | IC93620G | 393,10 | | |
| 12" | 323,9 | 300 | IC93420H | 426,20 | IC93620H | 693,15 | | |


TE

| Ø | Ø mm. | DN | AISI 304L ESP. 2 mm. | | AISI 316L ESP. 2 mm. | |
|--------|-------|-----|-------------------------|--------|-------------------------|--------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 15 | IT104203 | 9,35 | IT106203 | 11,20 |
| 3/4" | 26,9 | 20 | IT104204 | 10,00 | IT106204 | 11,90 |
| 1" | 33,7 | 25 | IT104205 | 10,85 | IT106205 | 12,75 |
| 1 1/4" | 42,4 | 32 | IT104206 | 12,40 | IT106206 | 14,10 |
| 1 1/2" | 48,3 | 40 | IT104207 | 13,30 | IT106207 | 15,35 |
| 2" | 60,3 | 50 | IT104208 | 21,65 | IT106208 | 23,50 |
| 2 1/2" | 76,1 | 65 | IT104209 | 27,60 | IT106209 | 30,50 |
| 3" | 88,9 | 80 | IT10420A | 40,45 | IT10620A | 46,05 |
| 4" | 114,3 | 100 | IT10420C | 82,45 | IT10620C | 57,55 |
| 5" | 139,7 | 125 | IT10420D | 96,10 | IT10620D | 118,05 |
| 6" | 168,3 | 150 | IT10420E | 125,55 | IT10620E | 149,30 |
| 8" | 219,1 | 200 | IT10420F | 211,30 | IT10620F | 255,60 |
| 10" | 273,0 | 250 | IT10420G | 417,05 | IT10620G | 534,20 |
| 12" | 323,9 | 300 | IT10420H | 752,75 | IT10620H | 943,80 |


CAP

| Ø | Ø mm. | DN | AISI 304L ESP. 2 mm. | | AISI 316L ESP. 2 mm. | |
|--------|-------|-----|-------------------------|-------|-------------------------|-------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 15 | ICA04203 | 2,05 | ICA06203 | 2,40 |
| 3/4" | 26,9 | 20 | ICA04204 | 2,10 | ICA06204 | 2,55 |
| 1" | 33,7 | 25 | ICA04205 | 2,45 | ICA06205 | 2,95 |
| 1 1/4" | 42,4 | 32 | ICA04206 | 3,25 | ICA06206 | 4,15 |
| 1 1/2" | 48,3 | 40 | ICA04207 | 3,70 | ICA06207 | 4,90 |
| 2" | 60,3 | 50 | ICA04208 | 4,40 | ICA06208 | 7,40 |
| 2 1/2" | 76,1 | 65 | ICA04209 | 6,50 | ICA06209 | 9,35 |
| 3" | 88,9 | 80 | ICA0420A | 8,20 | ICA0620A | 12,15 |
| 4" | 114,3 | 100 | ICA0420C | 11,65 | ICA0620C | 16,20 |
| 5" | 139,7 | 125 | ICA0420D | 16,00 | ICA0620D | 24,05 |
| 6" | 168,3 | 150 | ICA0420E | 22,50 | ICA0620E | 34,75 |
| 8" | 219,1 | 200 | ICA0420F | 28,80 | ICA0620F | 43,65 |
| 10" | 273,0 | 250 | ICA0420G | 37,60 | ICA0620G | 62,05 |
| 12" | 323,9 | 300 | ICA0420H | 45,15 | ICA0620H | 74,45 |


VALONA

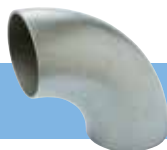
| Ø | Ø mm. | DN | AISI 304L ESP. 2 mm. | | AISI 316L ESP. 2 mm. | |
|--------|-------|-----|-------------------------|-------|-------------------------|-------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 15 | ICT04203 | 1,10 | ICT06203 | 1,60 |
| 3/4" | 26,9 | 20 | ICT04204 | 1,60 | ICT06204 | 1,95 |
| 1" | 33,7 | 25 | ICT04205 | 2,10 | ICT06205 | 2,30 |
| 1 1/4" | 42,4 | 32 | ICT04206 | 2,70 | ICT06206 | 4,05 |
| 1 1/2" | 48,3 | 40 | ICT04207 | 3,35 | ICT06207 | 4,45 |
| 2" | 60,3 | 50 | ICT04208 | 4,15 | ICT06208 | 6,15 |
| 2 1/2" | 76,1 | 65 | ICT04209 | 5,60 | ICT06209 | 8,15 |
| 3" | 88,9 | 80 | ICT0420A | 6,40 | ICT0620A | 8,55 |
| 4" | 114,3 | 100 | ICT0420C | 8,15 | ICT0620C | 11,20 |
| 5" | 139,7 | 125 | ICT0420D | 10,15 | ICT0620D | 14,95 |
| 6" | 168,3 | 150 | ICT0420E | 11,65 | ICT0620E | 17,20 |
| 8" | 219,1 | 200 | ICT0420F | 18,60 | ICT0620F | 28,05 |
| 10" | 273,0 | 250 | ICT0420G | 19,05 | ICT0620G | 31,70 |
| 12" | 323,9 | 300 | ICT0420H | 21,60 | ICT0620H | 32,50 |

DISPONIBLE EN 3 mm. CONSULTAR



REDUCCIÓN CONCÉNTRICA

| Ø | Ø mm. | DN | ALTURA mm. | AISI 304L ESP. 2 mm. | | AISI 316L ESP. 2 mm. | |
|-----------------|---------------|-----------|------------|-------------------------|--------|-------------------------|--------|
| | | | | COD. | € | COD. | € |
| 3/4" x 1/2" | 26,9 x 21,3 | 20 x 15 | 38 | IRC04243 | 4,50 | IRC06243 | 5,60 |
| 1" x 1/2" | 33,7 x 21,3 | 25 x 15 | 51 | IRC04253 | 5,10 | IRC06253 | 6,20 |
| 1" x 3/4" | 33,7 x 26,9 | 25 x 20 | 51 | IRC04254 | 4,50 | IRC06254 | 6,55 |
| 1 1/4" x 1" | 42,4 x 33,7 | 32 x 25 | 51 | IRC04265 | 6,15 | IRC06265 | 6,50 |
| 1 1/2" x 1/2" | 48,3 x 21,3 | 40 x 15 | 64 | IRC04273 | 13,95 | IRC06273 | 18,05 |
| 1 1/2" x 1" | 48,3 x 33,7 | 40 x 25 | 64 | IRC04275 | 8,05 | IRC06275 | 10,55 |
| 1 1/2" x 1 1/4" | 48,3 x 42,4 | 40 x 32 | 64 | IRC04276 | 7,00 | IRC06276 | 8,60 |
| 2" x 1/2" | 60,3 x 21,3 | 50 x 15 | 76 | IRC04283 | 22,85 | IRC06283 | 29,15 |
| 2" x 3/4" | 60,3 x 26,9 | 50 x 20 | 76 | IRC04284 | 19,25 | NEW IRC06284 | 22,25 |
| 2" x 1" | 60,3 x 33,7 | 50 x 25 | 76 | IRC04285 | 10,95 | IRC06285 | 12,60 |
| 2" x 1 1/4" | 60,3 x 42,4 | 50 x 32 | 76 | IRC04286 | 10,55 | IRC06286 | 10,95 |
| 2" x 1 1/2" | 60,3 x 48,3 | 50 x 40 | 76 | IRC04287 | 10,15 | IRC06287 | 10,40 |
| 2 1/2" x 1 1/2" | 76,1 x 48,3 | 65 x 40 | 89 | IRC04297 | 11,15 | IRC06297 | 16,60 |
| 2 1/2" x 2" | 76,1 x 60,3 | 65 x 50 | 89 | IRC04298 | 10,70 | IRC06298 | 13,00 |
| 3" x 1" | 88,9 x 33,7 | 80 x 25 | 89 | IRC042A5 | 24,30 | IRC062A5 | 45,40 |
| 3" x 1 1/2" | 88,9 x 48,3 | 80 x 40 | 89 | IRC042A7 | 18,25 | IRC062A7 | 21,00 |
| 3" x 2" | 88,9 x 60,3 | 80 x 50 | 89 | IRC042A8 | 17,70 | IRC062A8 | 17,95 |
| 3" x 2 1/2" | 88,9 x 76,1 | 80 x 65 | 89 | IRC042A9 | 14,35 | IRC062A9 | 20,35 |
| 4" x 1 1/2" | 114,3 x 48,3 | 100 x 40 | 102 | IRC042C7 | 19,80 | IRC062C7 | 45,30 |
| 4" x 2" | 114,3 x 60,3 | 100 x 50 | 102 | IRC042C8 | 18,40 | IRC062C8 | 23,20 |
| 4" x 2 1/2" | 114,3 x 76,1 | 100 x 65 | 102 | IRC042C9 | 17,00 | IRC062C9 | 37,15 |
| 4" x 3" | 114,3 x 88,9 | 100 x 80 | 102 | IRC042CA | 16,50 | IRC062CA | 18,65 |
| 5" x 3" | 139,7 x 88,9 | 125 x 80 | 127 | IRC042DA | 33,35 | IRC062DA | 51,80 |
| 5" x 4" | 139,7 x 114,3 | 125 x 100 | 127 | IRC042DC | 32,65 | IRC062DC | 40,75 |
| 6" x 4" | 168,3 x 114,3 | 150 x 100 | 140 | IRC042EC | 44,85 | IRC062EC | 53,05 |
| 6" x 5" | 168,3 x 139,7 | 150 x 125 | 140 | IRC042ED | 42,95 | NEW IRC062ED | 47,80 |
| 8" x 3" | 219,1 x 88,9 | 200 x 80 | 152 | | | IRC062FA | 155,15 |
| 8" x 4" | 219,1 x 114,3 | 200 x 100 | 152 | IRC042FC | 88,60 | NEW IRC062FC | 121,55 |
| 8" x 5" | 219,1 x 139,7 | 200 x 125 | 152 | IRC042FD | 71,95 | IRC062FD | 110,30 |
| 8" x 6" | 219,1 x 168,3 | 200 x 150 | 152 | IRC042FE | 64,00 | NEW IRC062FE | 83,10 |
| 10" x 6" | 273,0 x 168,3 | 250 x 150 | 178 | IRC042GE | 186,30 | NEW IRC062GE | 199,50 |
| 10" x 8" | 273,0 x 219,1 | 250 x 200 | 178 | IRC042GF | 150,25 | NEW IRC062GF | 169,25 |
| 12" x 8" | 323,9 x 219,1 | 300 x 200 | 203 | IRC042HF | 289,15 | NEW IRC062HF | 314,25 |
| 12" x 10" | 323,9 x 273,0 | 300 x 250 | 203 | IRC042HG | 194,40 | NEW IRC062HG | 298,55 |

ACCESORIOS PARA SOLDAR - MILIMÉTRICO

CODO 90° 3D DE TUBO SOLDADO

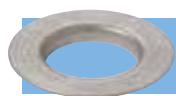
| Ø | Ø mm. | DN | R mm. | ESP. mm. | AISI 304L | | AISI 316L | |
|--------|-------|-----|-------|----------|-----------|--------|-----------|--------|
| | | | | | COD. | € | COD. | € |
| 1/2" | 18,0 | 15 | 25,0 | 1,5 | IC341018 | 3,55 | IC361018 | 4,15 |
| 1/2" | 20,0 | 15 | 30,0 | 1,5 | IC341020 | 3,90 | IC361020 | 4,30 |
| 3/4" | 23,0 | 20 | 35,0 | 1,5 | IC341023 | 3,90 | | |
| 3/4" | 25,0 | 20 | 37,0 | 1,5 | IC341025 | 3,95 | IC361025 | 6,20 |
| 3/4" | 28,0 | 20 | 40,0 | 1,5 | IC341028 | 4,20 | IC361028 | 6,45 |
| 3/4" | 30,0 | 20 | 45,0 | 1,5 | IC341030 | 4,50 | IC361030 | 6,55 |
| 1" | 33,0 | 25 | 50,0 | 1,5 | IC341033 | 4,55 | IC361033 | 6,70 |
| 1 1/4" | 35,0 | 32 | 52,5 | 1,5 | IC341035 | 4,75 | | |
| 1 1/4" | 38,0 | 32 | 55,0 | 1,5 | IC341038 | 5,00 | | |
| 1 1/2" | 40,0 | 40 | 60,0 | 1,5 | IC341040 | 5,65 | IC361040 | 8,70 |
| 1 1/2" | 43,0 | 40 | 65,0 | 1,5 | IC341043 | 5,80 | IC361043 | 8,75 |
| 2" | 50,8 | 50 | 76,0 | 1,5 | IC341051 | 7,00 | IC361050 | 11,70 |
| 2" | 53,0 | 50 | 80,0 | 1,5 | IC341053 | 7,60 | IC361053 | 12,35 |
| 2" | 63,5 | 50 | 95,0 | 1,5 | IC341063 | 13,00 | IC361063 | 16,05 |
| 2" | 54,0 | 50 | 80,0 | 2,0 | IC342054 | 9,55 | | |
| 2" | 57,0 | 50 | 85,5 | 2,0 | IC342057 | 11,15 | | |
| 2 1/2" | 70,0 | 65 | 92,0 | 2,0 | IC342070 | 13,70 | IC362070 | 22,30 |
| 2 1/2" | 73,0 | 65 | 110,0 | 1,5 | IC341073 | 17,70 | IC361073 | 26,25 |
| 2 1/2" | 76,0 | 65 | 115,0 | 1,5 | IC341076 | 17,70 | IC361076 | 26,45 |
| 3" | 84,0 | 80 | 125,0 | 2,0 | IC342084 | 20,50 | IC362084 | 36,05 |
| 4" | 104,0 | 100 | 155,0 | 2,0 | IC342104 | 29,50 | IC362104 | 44,95 |
| 5" | 129,0 | 125 | 190,0 | 2,0 | IC342129 | 56,10 | IC362129 | 87,05 |
| 6" | 154,0 | 150 | 225,0 | 2,0 | IC342154 | 87,00 | IC362154 | 95,35 |
| 8" | 204,0 | 200 | 300,0 | 2,0 | IC342204 | 133,35 | IC362204 | 189,10 |
| 10" | 254,0 | 250 | 380,0 | 2,0 | IC342254 | 305,05 | | |


TE

| Ø mm. | DN | ESP. mm. | AISI 304L | | AISI 316L | |
|-------|-----|----------|-----------|--------|-----------|----------|
| | | | COD. | € | COD. | € |
| 25,0 | 20 | 1,5 | ITM41025 | 12,15 | ITM61025 | 14,00 |
| 28,0 | 20 | 1,5 | ITM41028 | 12,15 | ITM61028 | 14,25 |
| 33,0 | 25 | 1,5 | ITM41033 | 13,55 | ITM61033 | 16,10 |
| 43,0 | 40 | 1,5 | ITM41043 | 16,75 | ITM61043 | 19,25 |
| 50,8 | 50 | 1,5 | ITM41050 | 18,40 | ITM61050 | 21,05 |
| 53,0 | 50 | 1,5 | ITM41053 | 18,70 | ITM61053 | 23,75 |
| 63,5 | 50 | 1,5 | ITM41063 | 30,55 | ITM61063 | 34,60 |
| 73,0 | 65 | 1,5 | ITM41073 | 38,00 | ITM61073 | 43,05 |
| 84,0 | 80 | 2,0 | ITM42084 | 38,40 | ITM62084 | 53,10 |
| 104,0 | 100 | 2,0 | ITM42104 | 55,95 | ITM62104 | 75,60 |
| 129,0 | 125 | 2,0 | ITM42129 | 113,00 | ITM62129 | 135,35 |
| 154,0 | 150 | 2,0 | ITM42154 | 153,70 | ITM62154 | 189,90 |
| 204,0 | 200 | 2,0 | ITM42204 | 280,45 | ITM62204 | 331,80 |
| 254,0 | 250 | 2,0 | ITM42254 | 516,00 | ITM62254 | 653,50 |
| 304,0 | 300 | 2,0 | | | ITM62304 | 984,40 |
| 354,0 | 300 | 2,0 | | | ITM62354 | 1.374,80 |


CAP

| Ø mm. | DN | ESP. mm. | AISI 304L | | AISI 316L | |
|-------|-----|----------|-----------|--------|-----------|--------|
| | | | COD. | € | COD. | € |
| 25,0 | 20 | 1,5 | ICAM4025 | 2,25 | ICAM6025 | 3,10 |
| 28,0 | 20 | 1,5 | ICAM4028 | 2,35 | ICAM6028 | 3,30 |
| 33,0 | 25 | 1,5 | ICAM4033 | 2,55 | ICAM6033 | 3,45 |
| 43,0 | 40 | 1,5 | ICAM4043 | 3,25 | ICAM6043 | 4,75 |
| 50,8 | 50 | 1,5 | ICAM4050 | 4,00 | ICAM6050 | 5,80 |
| 53,0 | 50 | 1,5 | ICAM4053 | 4,05 | ICAM6053 | 5,90 |
| 63,5 | 50 | 1,5 | ICAM4063 | 5,20 | ICAM6063 | 7,60 |
| 70,0 | 65 | 2,0 | ICAM4070 | 5,50 | ICAM6070 | 7,80 |
| 73,0 | 65 | 1,5 | ICAM4073 | 5,80 | ICAM6073 | 8,75 |
| 84,0 | 80 | 2,0 | ICAM4084 | 6,95 | ICAM6084 | 9,55 |
| 104,0 | 100 | 2,0 | ICAM4104 | 10,10 | ICAM6104 | 11,95 |
| 129,0 | 125 | 2,0 | ICAM4129 | 12,75 | ICAM6129 | 17,20 |
| 154,0 | 150 | 2,0 | ICAM4154 | 20,10 | ICAM6154 | 24,10 |
| 204,0 | 200 | 2,0 | ICAM4204 | 32,25 | ICAM6204 | 41,20 |
| 254,0 | 250 | 2,0 | ICAM4254 | 48,15 | ICAM6254 | 65,75 |
| 304,0 | 300 | 2,0 | ICAM4304 | 64,80 | ICAM6304 | 82,50 |
| 354,0 | 300 | 2,0 | ICAM4354 | 112,45 | ICAM6354 | 145,60 |



VALONA

| Ø | DN | ESP. mm. | AISI 304L | | AISI 316L | |
|-------|-----|----------|-----------|-------|-----------|-------|
| | | | COD. | € | COD. | € |
| 25,0 | 20 | 1,5 | ICM41025 | 1,65 | ICM61025 | 2,15 |
| 28,0 | 20 | 1,5 | ICM41028 | 1,90 | ICM61028 | 2,70 |
| 33,0 | 25 | 1,5 | ICM41033 | 2,15 | ICM61033 | 3,10 |
| 43,0 | 40 | 1,5 | ICM41043 | 2,95 | ICM61043 | 4,30 |
| 50,8 | 50 | 1,5 | ICM41050 | 4,00 | ICM61050 | 5,35 |
| 53,0 | 50 | 1,5 | ICM41053 | 4,05 | ICM61053 | 5,35 |
| 63,5 | 50 | 1,5 | ICM41063 | 4,50 | ICM61063 | 6,55 |
| 70,0 | 65 | 2,0 | ICM42070 | 5,10 | ICM62070 | 7,10 |
| 73,0 | 65 | 1,5 | ICM41073 | 5,25 | ICM61073 | 7,55 |
| 84,0 | 80 | 2,0 | ICM42084 | 6,40 | ICM62084 | 9,00 |
| 104,0 | 100 | 2,0 | ICM42104 | 8,10 | ICM62104 | 11,95 |
| 129,0 | 125 | 2,0 | ICM42129 | 10,75 | ICM62129 | 14,05 |
| 154,0 | 150 | 2,0 | ICM42154 | 12,00 | ICM62154 | 17,00 |
| 204,0 | 200 | 2,0 | ICM42204 | 18,80 | ICM62204 | 26,95 |
| 254,0 | 250 | 2,0 | ICM42254 | 25,65 | ICM62254 | 33,75 |
| 304,0 | 300 | 2,0 | ICM42304 | 30,55 | ICM62304 | 41,75 |
| 354,0 | 300 | 2,0 | ICM42354 | 42,20 | ICM62354 | 58,00 |



REDUCCIÓN CONCÉNTRICA

| Ø mm. | DN | ESP. mm. | AISI 304L | | AISI 316L | |
|---------------|-----------|----------|-----------|--------|-----------|--------|
| | | | COD. | € | COD. | € |
| 53,0 x 43,0 | 50 x 40 | 1,5 | IRM45343 | 10,70 | IRM65343 | 19,65 |
| 63,5 x 43,0 | 50 x 40 | 1,5 | IRM46343 | 15,80 | IRM66343 | 16,80 |
| 63,5 x 53,0 | 50 x 50 | 1,5 | IRM46353 | 13,75 | IRM66353 | 14,55 |
| 73,0 x 43,0 | 65 x 40 | 2,0 | IRM47343 | 17,70 | IRM67343 | 28,05 |
| 73,0 x 53,0 | 65 x 50 | 2,0 | IRM47353 | 17,00 | IRM67353 | 24,10 |
| 73,0 x 63,5 | 65 x 50 | 2,0 | IRM47363 | 17,05 | IRM67363 | 21,00 |
| 84,0 x 43,0 | 80 x 40 | 2,0 | IRM48443 | 30,75 | IRM68443 | 26,60 |
| 84,0 x 53,0 | 80 x 50 | 2,0 | IRM48453 | 18,80 | IRM68453 | 24,60 |
| 84,0 x 63,5 | 80 x 50 | 2,0 | IRM48463 | 18,55 | IRM68463 | 22,40 |
| 84,0 x 73,0 | 80 x 65 | 2,0 | IRM48473 | 18,55 | IRM68473 | 19,65 |
| 104,0 x 43,0 | 100 x 40 | 2,0 | IRM41043 | 60,55 | IRM61043 | 47,55 |
| 104,0 x 53,0 | 100 x 50 | 2,0 | IRM41053 | 33,40 | IRM61053 | 38,60 |
| 104,0 x 63,5 | 100 x 50 | 2,0 | IRM41063 | 32,20 | IRM61063 | 34,50 |
| 104,0 x 73,0 | 100 x 65 | 2,0 | IRM41073 | 26,70 | IRM61073 | 31,30 |
| 104,0 x 84,0 | 100 x 80 | 2,0 | IRM41084 | 26,85 | IRM61084 | 28,65 |
| 129,0 x 73,0 | 125 x 65 | 2,0 | IRM41273 | 43,35 | IRM61273 | 51,30 |
| 129,0 x 84,0 | 125 x 80 | 2,0 | IRM41284 | 63,15 | IRM61284 | 62,25 |
| 129,0 x 104,0 | 125 x 100 | 2,0 | IRM41210 | 44,40 | IRM61210 | 51,55 |
| 154,0 x 73,0 | 150 x 65 | 2,0 | IRM41573 | 84,40 | IRM61573 | 111,20 |
| 154,0 x 84,0 | 150 x 80 | 2,0 | IRM41584 | 80,50 | IRM61584 | 83,40 |
| 154,0 x 104,0 | 150 x 100 | 2,0 | IRM41510 | 47,40 | IRM61510 | 65,90 |
| 154,0 x 129,0 | 150 x 125 | 2,0 | IRM41512 | 46,75 | IRM61512 | 63,60 |
| 204,0 x 104,0 | 200 x 100 | 2,0 | IRM42010 | 115,30 | IRM62010 | 139,60 |
| 204,0 x 129,0 | 200 x 125 | 2,0 | IRM42012 | 87,75 | IRM62012 | 120,35 |
| 204,0 x 154,0 | 200 x 150 | 2,0 | IRM42015 | 76,15 | IRM62015 | 102,40 |

ACCESORIOS PARA SOLDAR - NORMA ASTM - SCH 10S FABRICADO TUBO SOLDADO

CURVA 90° LONG RADIUS

| Ø | Ø EXT mm. | ESPE-SOR | AISI 304L | | AISI 316L | |
|--------|-----------|----------|-----------|--------|-----------|--------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 2,11 | I1CL940M | 3,90 | I1CL960M | 4,75 |
| 3/4" | 26,7 | 2,11 | I1CL940T | 5,00 | I1CL960T | 6,20 |
| 1" | 33,4 | 2,77 | I1CL9401 | 5,40 | I1CL9601 | 6,75 |
| 1 1/4" | 42,2 | 2,77 | I1CL941C | 6,55 | I1CL961C | 8,05 |
| 1 1/2" | 48,3 | 2,77 | I1CL941M | 9,30 | I1CL961M | 11,55 |
| 2" | 60,3 | 2,77 | I1CL9402 | 12,35 | I1CL9602 | 15,60 |
| 2 1/2" | 73,0 | 3,05 | I1CL942M | 17,50 | I1CL962M | 21,90 |
| 3" | 88,9 | 3,05 | I1CL9403 | 27,20 | I1CL9603 | 35,35 |
| 4" | 114,3 | 3,05 | I1CL9404 | 47,05 | I1CL9604 | 60,35 |
| 5" | 141,3 | 3,40 | I1CL9405 | 87,10 | I1CL9605 | 112,05 |
| 6" | 168,3 | 3,40 | I1CL9406 | 120,80 | I1CL9606 | 155,65 |
| 8" | 219,1 | 3,76 | I1CL9408 | 217,65 | I1CL9608 | 276,30 |
| 10" | 273,0 | 4,19 | I1CL9410 | 469,50 | I1CL9610 | 601,75 |


TE

| Ø | Ø EXT mm. | ESPE-SOR | AISI 304L | | AISI 316L | |
|--------|-----------|----------|-----------|--------|-----------|--------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 2,11 | I1T4000M | 9,25 | I1T6000M | 12,40 |
| 3/4" | 26,7 | 2,11 | I1T4000T | 9,75 | I1T6000T | 12,70 |
| 1" | 33,4 | 2,77 | I1T40001 | 10,30 | I1T60001 | 12,90 |
| 1 1/4" | 42,2 | 2,77 | I1T4001C | 14,05 | I1T6001C | 17,60 |
| 1 1/2" | 48,3 | 2,77 | I1T4001M | 20,35 | I1T6001M | 25,30 |
| 2" | 60,3 | 2,77 | I1T40002 | 24,15 | I1T60002 | 30,05 |
| 2 1/2" | 73,0 | 3,05 | I1T4002M | 41,75 | I1T6002M | 51,60 |
| 3" | 88,9 | 3,05 | I1T40003 | 48,75 | I1T60003 | 61,25 |
| 4" | 114,3 | 3,05 | I1T40004 | 78,95 | I1T60004 | 98,00 |
| 5" | 141,3 | 3,40 | I1T40005 | 142,70 | I1T60005 | 174,15 |
| 6" | 168,3 | 3,40 | I1T40006 | 176,80 | I1T60006 | 219,20 |
| 8" | 219,1 | 3,76 | I1T40008 | 394,90 | I1T60008 | 484,95 |


CAP

| Ø | Ø EXT mm. | ESPE-SOR | AISI 304L | | AISI 316L | |
|--------|-----------|----------|-----------|-------|-----------|--------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 2,11 | I1CC400M | 4,45 | I1CC600M | 6,20 |
| 3/4" | 26,7 | 2,11 | I1CC400T | 5,35 | I1CC600T | 7,45 |
| 1" | 33,4 | 2,77 | I1CC4001 | 6,65 | I1CC6001 | 9,20 |
| 1 1/4" | 42,2 | 2,77 | I1CC401C | 7,55 | I1CC601C | 10,60 |
| 1 1/2" | 48,3 | 2,77 | I1CC401M | 8,45 | I1CC601M | 12,05 |
| 2" | 60,3 | 2,77 | I1CC4002 | 8,80 | I1CC6002 | 12,50 |
| 2 1/2" | 73,0 | 3,05 | I1CC402M | 11,85 | I1CC602M | 16,25 |
| 3" | 88,9 | 3,05 | I1CC4003 | 17,75 | I1CC6003 | 24,40 |
| 4" | 114,3 | 3,05 | I1CC4004 | 25,95 | I1CC6004 | 36,90 |
| 5" | 141,3 | 3,40 | I1CC4005 | 43,60 | I1CC6005 | 61,20 |
| 6" | 168,3 | 3,40 | I1CC4006 | 54,50 | I1CC6006 | 77,35 |
| 8" | 219,1 | 3,76 | I1CC4008 | 88,55 | I1CC6008 | 129,45 |


STUB END

| Ø | Ø EXT mm. | ESPE-SOR | AISI 304L | | AISI 316L | |
|--------|-----------|----------|-----------|--------|-----------|--------|
| | | | COD. | € | COD. | € |
| 1/2" | 21,3 | 2,11 | I1SE400M | 9,70 | I1SE600M | 13,85 |
| 3/4" | 26,7 | 2,11 | I1SE400T | 10,40 | I1SE600T | 14,85 |
| 1" | 33,4 | 2,77 | I1SE4001 | 12,55 | I1SE6001 | 15,95 |
| 1 1/4" | 42,2 | 2,77 | I1SE401C | 13,35 | I1SE601C | 18,15 |
| 1 1/2" | 48,3 | 2,77 | I1SE401M | 14,55 | I1SE601M | 20,35 |
| 2" | 60,3 | 2,77 | I1SE4002 | 21,10 | I1SE6002 | 29,40 |
| 2 1/2" | 73,0 | 3,05 | I1SE402M | 23,40 | I1SE602M | 32,15 |
| 3" | 88,9 | 3,05 | I1SE4003 | 31,55 | I1SE6003 | 43,45 |
| 4" | 114,3 | 3,05 | I1SE4004 | 47,15 | I1SE6004 | 64,45 |
| 5" | 141,3 | 3,40 | I1SE4005 | 68,00 | I1SE6005 | 94,85 |
| 6" | 168,3 | 3,40 | I1SE4006 | 104,75 | I1SE6006 | 142,70 |
| 8" | 219,1 | 3,76 | I1SE4008 | 170,65 | I1SE6008 | 242,20 |
| 10" | 273,0 | 4,19 | I1SE4010 | 337,65 | I1SE6010 | 472,65 |



REDUCCIÓN CONCÉNTRICA

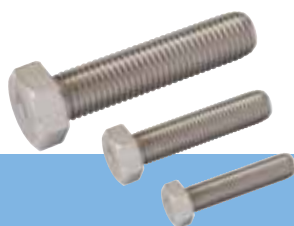
| Ø | Ø EXT mm. | AISI 304L | | AISI 316L | |
|-----------------|---------------|-----------|--------|-----------|--------|
| | | COD. | € | COD. | € |
| 3/4" x 1/2" | 26,7 x 21,3 | I1R40T0M | 3,80 | I1R60T0M | 4,85 |
| 1" x 1/2" | 33,4 x 21,3 | I1R4010M | 4,25 | I1R6010M | 5,40 |
| 1" x 3/4" | 33,4 x 26,7 | I1R4010T | 3,90 | I1R6010T | 4,95 |
| 1 1/4" x 3/4" | 42,2 x 26,7 | I1R41C0T | 6,75 | I1R61C0T | 8,75 |
| 1 1/4" x 1" | 42,2 x 33,4 | I1R41C01 | 6,10 | I1R61C01 | 7,80 |
| 1 1/2" x 3/4" | 48,3 x 26,7 | I1R41M0T | 8,30 | I1R61M0T | 10,50 |
| 1 1/2" x 1" | 48,3 x 33,4 | I1R41M01 | 7,45 | I1R61M01 | 9,70 |
| 1 1/2" x 1 1/4" | 48,3 x 42,2 | I1R41M1C | 7,40 | I1R61M1C | 9,35 |
| 2" x 1" | 60,3 x 33,4 | I1R40201 | 8,95 | I1R60201 | 11,55 |
| 2" x 1 1/4" | 60,3 x 42,2 | I1R4021C | 8,30 | I1R6021C | 10,50 |
| 2" x 1 1/2" | 60,3 x 48,3 | I1R4021M | 8,00 | I1R6021M | 10,25 |
| 2 1/2" x 1 1/2" | 73,0 x 48,3 | I1R42M1M | 16,75 | I1R62M1M | 21,20 |
| 2 1/2" x 2" | 73,0 x 60,3 | I1R42M02 | 16,15 | I1R62M02 | 20,80 |
| 3" x 1 1/2" | 88,9 x 48,3 | I1R4031M | 14,25 | I1R6031M | 18,80 |
| 3" x 2" | 88,9 x 60,3 | I1R40302 | 15,75 | I1R60302 | 20,30 |
| 3" x 2 1/2" | 88,9 x 73,0 | I1R4032M | 13,55 | I1R6032M | 18,00 |
| 4" x 2" | 114,3 x 60,3 | I1R40402 | 24,00 | I1R60402 | 30,90 |
| 4" x 2 1/2" | 114,3 x 73,0 | I1R4042M | 21,00 | I1R6042M | 27,90 |
| 4" x 3" | 114,3 x 88,9 | I1R40403 | 22,30 | I1R60403 | 28,80 |
| 5" x 3" | 141,3 x 88,9 | I1R40503 | 54,85 | I1R60503 | 69,35 |
| 5" x 4" | 141,3 x 114,3 | I1R40504 | 52,85 | I1R60504 | 67,25 |
| 6" x 3" | 168,3 x 88,9 | I1R40603 | 74,85 | I1R60603 | 97,00 |
| 6" x 4" | 168,3 x 114,3 | I1R40604 | 66,75 | I1R60604 | 84,35 |
| 6" x 5" | 168,3 x 141,3 | I1R40605 | 63,90 | I1R60605 | 80,20 |
| 8" x 6" | 219,1 x 168,3 | I1R40806 | 109,35 | I1R60806 | 140,70 |

ACCESORIOS PARA SOLDAR - NORMA ASTM - SCH 40S FABRICADO TUBO SOLDADO



CURVA 90° LONG RADIUS

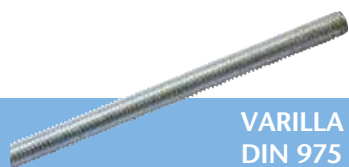
| Ø | Ø EXT mm. | ESPESOR | AISI 316L | |
|--------|-----------|---------|-----------|----------|
| | | | COD. | € |
| 1/2" | 21,3 | 2,77 | I4CL960M | 6,20 |
| 3/4" | 26,7 | 2,87 | I4CL960T | 8,35 |
| 1" | 33,4 | 3,38 | I4CL9601 | 9,75 |
| 1 1/4" | 42,2 | 3,56 | I4CL961C | 11,10 |
| 1 1/2" | 48,3 | 3,68 | I4CL961M | 14,00 |
| 2" | 60,3 | 3,91 | I4CL9602 | 21,35 |
| 2 1/2" | 73,0 | 5,16 | I4CL962M | 41,70 |
| 3" | 88,9 | 5,46 | I4CL9603 | 61,85 |
| 4" | 114,3 | 6,02 | I4CL9604 | 115,15 |
| 5" | 141,3 | 6,55 | I4CL9605 | 204,65 |
| 6" | 168,3 | 7,11 | I4CL9606 | 293,60 |
| 8" | 219,1 | 8,18 | I4CL9608 | 601,85 |
| 10" | 273,0 | 9,27 | I4CL9610 | 1.396,25 |

TORNILLERÍA INOXIDABLE

**TORNILLO HEXAGONAL
DIN 933 - INOX A2**

| MEDIDA | LONGITUD | | COD. | € 100 UNID. |
|--------|----------|--------|----------|----------------|
| M12 | 50 | 300 50 | TI331250 | 63,00 |
| M12 | 60 | 300 50 | TI331260 | 72,45 |
| M14 | 60 | 200 50 | TI331460 | 110,25 |
| M14 | 70 | 150 50 | TI331470 | 126,00 |
| M14 | 80 | 150 50 | TI331480 | 131,25 |
| M16 | 40 | 200 25 | TI331640 | 110,25 |
| M16 | 50 | 150 25 | TI331650 | 126,00 |
| M16 | 60 | 150 25 | TI331660 | 141,75 |
| M16 | 70 | 150 25 | TI331670 | 157,50 |
| M16 | 80 | 100 25 | TI331680 | 173,25 |
| M16 | 90 | 100 25 | TI331690 | 189,00 |
| M16 | 100 | 100 25 | TI331610 | 210,00 |
| M16 | 110 | 100 25 | TI331611 | 225,75 |
| M16 | 120 | 75 25 | TI331612 | 241,50 |
| M20 | 70 | 75 25 | TI332070 | 267,75 |
| M20 | 80 | 75 25 | TI332080 | 294,00 |
| M20 | 90 | 50 25 | TI332090 | 315,00 |
| M20 | 100 | 50 25 | TI332010 | 346,50 |
| M20 | 110 | 50 25 | TI332011 | 372,75 |
| M20 | 120 | 50 25 | TI332012 | 399,00 |
| M24 | 90 | 40 20 | TI332490 | 546,00 |
| M27 | 120 | 20 10 | TI332712 | 966,00 |
| M30 | 130 | 20 10 | TI333013 | 1.333,50 |
| M33 | 140 | 15 5 | TI333314 | 1.701,00 |


**TUERCA HEXAGONAL
DIN 934 - INOX A2**

| MEDIDA | | COD. | € 100 UNID. |
|--------|-----------|----------|----------------|
| M6 | 7.200 150 | TI934006 | 3,15 |
| M8 | 3.750 125 | TI934008 | 6,30 |
| M10 | 1.600 100 | TI934010 | 13,65 |
| M12 | 1.200 100 | TI934012 | 19,95 |
| M14 | 800 50 | TI934014 | 29,40 |
| M16 | 600 50 | TI934016 | 40,95 |
| M18 | 400 25 | TI934018 | 60,90 |
| M20 | 300 25 | TI934020 | 75,60 |
| M24 | 160 10 | TI934024 | 141,75 |
| M27 | 100 10 | TI934027 | 273,00 |
| M30 | 80 10 | TI934030 | 367,50 |
| M33 | 50 5 | TI934033 | 493,50 |


**VARILLA ROSCADA 1.000 mm.
DIN 975 - INOX A2**

| MEDIDA | | COD. | € 100 UNID. |
|--------|----|----------|----------------|
| M6 | 50 | TI975006 | 204,75 |
| M8 | 25 | TI975008 | 357,00 |
| M10 | 25 | TI975010 | 556,50 |
| M12 | 20 | TI975012 | 813,75 |
| M14 | 15 | TI975014 | 1.102,50 |
| M16 | 10 | TI975016 | 1.485,75 |
| M18 | 5 | TI975018 | 1.895,25 |
| M20 | 5 | TI975020 | 2.383,50 |


**ARANDELA PLANA
DIN 125 - INOX A2**

| MEDIDA | | COD. | € 100 UNID. |
|--------|-----------|----------|----------------|
| M6 | 7.200 150 | TI125006 | 1,05 |
| M8 | 6.000 125 | TI125008 | 2,10 |
| M10 | 4.800 100 | TI125010 | 4,20 |
| M12 | 3.000 100 | TI125012 | 9,45 |
| M14 | 2.100 70 | TI125014 | 13,65 |
| M16 | 1.680 70 | TI125016 | 13,65 |
| M18 | 1.200 50 | TI125018 | 16,80 |
| M20 | 1.200 50 | TI125020 | 19,95 |
| M24 | 600 50 | TI125024 | 39,90 |
| M27 | 400 50 | TI125027 | 50,40 |
| M30 | 300 50 | TI125030 | 66,15 |
| M33 | 240 30 | TI125033 | 92,40 |

ABRAZADERAS



ABRAZADERA INOX AISI 304
M8/M10

Esesor de banda 2,5 mm.

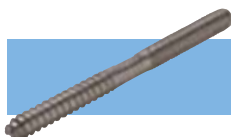
| PULGADAS | mm. | TUERCA | | COD. | € |
|----------|---------|--------|-------|----------|------|
| 3/8" | 16-18 | M8 | 150 2 | IRAF5102 | 2,35 |
| 1/2" | 20-22 | M8 | 100 2 | IRAF5103 | 2,45 |
| 3/4" | 25-28 | M8 | 100 2 | IRAF5104 | 2,65 |
| 1" | 31-34 | M8 | 100 2 | IRAF5105 | 2,75 |
| 1 1/4" | 39-43 | M8 | 100 2 | IRAF5106 | 2,90 |
| 1 1/2" | 45-48.5 | M8 | 100 2 | IRAF5107 | 3,00 |
| 2" | 58-61 | M8 | 100 2 | IRAF5108 | 3,35 |
| 2 1/2" | 73-76.5 | M10 | 50 2 | IRAF5109 | 5,50 |
| 3" | 86-89 | M10 | 50 2 | IRAF510A | 6,20 |
| 4" | 110-115 | M10 | 50 2 | IRAF510C | 6,50 |



ABRAZADERA INOX AISI 304
M8/M10 CON TACO Y TORNILLO

Esesor de banda 2,5 mm.

| PULG. | mm. | TORNILLO | TACO | | COD. | € |
|--------|---------|----------|-------|-------|----------|------|
| 3/8" | 16-18 | M8x100 | 10x50 | 100 2 | IRAF5502 | 3,55 |
| 1/2" | 20-22 | M8x100 | 10x50 | 100 2 | IRAF5503 | 3,70 |
| 3/4" | 25-28 | M8x100 | 10x50 | 100 2 | IRAF5504 | 3,95 |
| 1" | 31-34 | M8x100 | 10x50 | 100 2 | IRAF5505 | 4,05 |
| 1 1/4" | 39-43 | M8x100 | 10x50 | 100 2 | IRAF5506 | 4,25 |
| 1 1/2" | 45-48.5 | M8x100 | 10x50 | 50 2 | IRAF5507 | 4,40 |
| 2" | 58-61 | M8x100 | 10x50 | 50 2 | IRAF5508 | 5,05 |
| 2 1/2" | 73-76.5 | M10x120 | 12x60 | 20 2 | IRAF5509 | 7,40 |
| 3" | 86-89 | M10x120 | 12x60 | 20 2 | IRAF550A | 8,30 |
| 4" | 110-115 | M10x120 | 12x60 | 20 2 | IRAF550C | 9,55 |



TORNILLO DOBLE ROSCA
INOX AISI 304

| ROSCA | mm. | | COD. | € |
|-------|-----|--------|----------|------|
| M8 | 90 | 500 10 | IRAFTD08 | 1,20 |
| M10 | 120 | 500 10 | IRAFTD10 | 2,35 |

ABARCONES



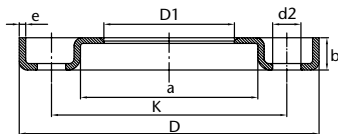
ABARCÓN INOXIDABLE AISI 304

Se suministran con tuercas y arandelas. Para medidas M6 y M8 las tuercas y arandelas están colocadas.

| Ø TUBO | PULG. | ROSCA | | COD. | € 100 UDS. |
|--------|--------|-------|--------|----------|---------------|
| 17,1 | 3/8" | M6 | 100 10 | RFABI202 | 73,00 |
| 21,3 | 1/2" | M6 | 100 10 | RFABI203 | 80,00 |
| 26,9 | 3/4" | M6 | 100 10 | RFABI204 | 85,00 |
| 33,7 | 1" | M6 | 100 10 | RFABI205 | 98,00 |
| 38,0 | - | M6 | 100 10 | RFABI238 | 100,00 |
| 42,2 | 1 1/4" | M6 | 100 5 | RFABI206 | 101,00 |
| 48,3 | 1 1/2" | M8 | 50 5 | RFABI207 | 205,00 |
| 54,0 | - | M8 | 50 5 | RFABI254 | 215,00 |
| 60,3 | 2" | M8 | 50 5 | RFABI208 | 226,00 |
| 65,0 | - | M8 | 50 5 | RFABI265 | 235,00 |
| 76,1 | 2 1/2" | M8 | 25 5 | RFABI20A | 273,00 |
| 84,0 | - | M8 | 25 5 | RFABI284 | 284,00 |
| 88,9 | 3" | M8 | 25 5 | RFABI20B | 305,00 |
| 104,0 | - | M10 | 20 2 | RFABI210 | 536,00 |
| 114,4 | 4" | M10 | 20 2 | RFABI20D | 604,00 |
| 129,0 | - | M10 | 20 2 | RFABI213 | 667,00 |
| 139,7 | 5" | M10 | 20 2 | RFABI20E | 714,00 |
| 154,0 | - | M10 | 16 2 | RFABI215 | 809,00 |
| 168,3 | 6" | M10 | 16 2 | RFABI20F | 893,00 |
| 204,0 | - | M10 | 10 2 | RFABI220 | 1.015,00 |
| 219,1 | 8" | M10 | 10 2 | RFABI20H | 1.100,00 |
| 254,0 | - | M10 | 6 2 | RFABI225 | 1.310,00 |
| 273,0 | 10" | M10 | 6 2 | RFABI20N | 1.400,00 |
| 304,0 | - | M10 | 6 2 | RFABI230 | 1.490,00 |



BRIDA PRENSADA



El montaje de las 2 bridas prensadas se hace con sus correspondientes valonas y juntas.
Con el adecuado par de apriete se consigue una perfecta estanqueidad a través de la junta correspondiente.

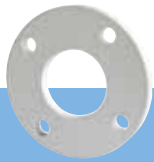
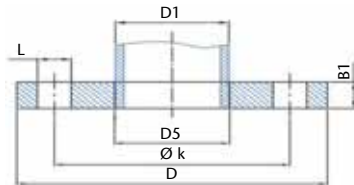
| DN | Ø mm. | DIMENSIONES (mm.) | | | | | | | | AISI 304L | | AISI 316L | |
|-----|-------|-------------------|-----|-----|-----|---|------|------|---------|-----------|--------|-----------|--------|
| | | D1 | D | K | a | e | b | d2 | Nº Tal. | COD. | € | COD. | € |
| 15 | 21,3 | 24 | 95 | 65 | 38 | 3 | 11,5 | 13,5 | 4 | I4642015 | 9,15 | I6642015 | 12,40 |
| 20 | 26,9 | 30 | 105 | 75 | 48 | 3 | 14,0 | 13,5 | 4 | I4642020 | 10,45 | I6642020 | 15,20 |
| 25 | 33,7 | 37 | 115 | 85 | 53 | 3 | 16,0 | 13,5 | 4 | I4642025 | 13,10 | I6642025 | 15,70 |
| 32 | 42,4 | 46 | 140 | 100 | 68 | 3 | 16,5 | 17,5 | 4 | I4642032 | 16,40 | I6642032 | 20,10 |
| 40 | 48,3 | 54 | 150 | 110 | 77 | 3 | 17,5 | 17,5 | 4 | I4642040 | 18,10 | I6642040 | 25,30 |
| 50 | 60,3 | 65 | 165 | 125 | 91 | 3 | 19,5 | 17,5 | 4 | I4642050 | 20,15 | I6642050 | 29,70 |
| 50 | 53,0 | 58 | 165 | 125 | 91 | 3 | 19,5 | 17,5 | 4 | I4642053 | 19,15 | | |
| 65 | 76,1 | 81 | 185 | 145 | 108 | 4 | 21,0 | 17,5 | 4 | I4642065 | 25,30 | I6642065 | 43,25 |
| 65 | 73,0 | 78 | 185 | 145 | 108 | 4 | 21,0 | 17,5 | 4 | I4642073 | 25,25 | | |
| 80 | 88,9 | 94 | 200 | 160 | 123 | 4 | 22,0 | 17,5 | 8 | I4642080 | 33,55 | I6642080 | 53,80 |
| 80 | 84,0 | 89 | 200 | 160 | 123 | 4 | 22,0 | 17,5 | 8 | I4642084 | 32,40 | | |
| 100 | 114,3 | 119 | 220 | 180 | 141 | 4 | 23,0 | 17,5 | 8 | I4642100 | 38,45 | I6642100 | 69,05 |
| 100 | 104,0 | 110 | 220 | 180 | 141 | 4 | 23,0 | 17,5 | 8 | I4642104 | 34,60 | | |
| 125 | 139,7 | 145 | 250 | 210 | 168 | 5 | 25,0 | 17,5 | 8 | I4642125 | 64,30 | I6642125 | 78,65 |
| 125 | 129,0 | 135 | 250 | 210 | 168 | 5 | 25,0 | 17,5 | 8 | I4642129 | 59,30 | | |
| 150 | 168,3 | 173 | 285 | 240 | 192 | 5 | 27,0 | 21,5 | 8 | I4642150 | 72,50 | I6642150 | 107,20 |
| 150 | 154,0 | 160 | 285 | 240 | 192 | 5 | 27,0 | 21,5 | 8 | I4642154 | 66,70 | | |
| 200 | 219,1 | 225 | 340 | 295 | 245 | 6 | 31,0 | 21,5 | 8 | I4642200 | 116,95 | I6642200 | 168,20 |
| 200 | 204,0 | 212 | 340 | 295 | 245 | 6 | 31,0 | 21,5 | 8 | I4642204 | 116,75 | | |
| 250 | 273,1 | 279 | 395 | 350 | 295 | 6 | 31,0 | 22,0 | 12 | I4642250 | 177,45 | I6642250 | 230,60 |
| 250 | 254,0 | 262 | 395 | 350 | 295 | 6 | 31,0 | 22,0 | 12 | I4642254 | 147,00 | | |
| 300 | 323,9 | 329 | 445 | 400 | 345 | 6 | 34,0 | 22,0 | 12 | I4642300 | 199,80 | I6642300 | 266,80 |

BRIDAS ALUMINIO



BRIDA ALUMINIO ISO SEGÚN DIN 2642

| DN | Ø | D1 | PN | DIMENSIONES (mm) | | | TORNILLO | | B1 | COD. | € |
|-----|--------|-------|----|------------------|-----|----------|----------|----|----|----------|-------|
| | | | | D | K | D5 (ISO) | NR | L | | | |
| 40 | 1 1/2" | 48,3 | 10 | 150 | 110 | 54 | 4 | 18 | 16 | FPA10040 | 8,95 |
| 50 | 2" | 60,3 | 10 | 165 | 125 | 65 | 4 | 18 | 16 | FPA10050 | 9,95 |
| 65 | 2 1/2" | 76,1 | 10 | 185 | 145 | 81 | 4 | 18 | 16 | FPA10065 | 12,30 |
| 80 | 3" | 88,9 | 10 | 200 | 160 | 94 | 8 | 18 | 18 | FPA10080 | 14,85 |
| 100 | 4" | 114,3 | 10 | 220 | 180 | 119 | 8 | 18 | 18 | FPA10100 | 16,15 |
| 125 | 5" | 139,7 | 10 | 250 | 210 | 145 | 8 | 18 | 18 | FPA10125 | 19,95 |
| 150 | 6" | 168,3 | 10 | 285 | 240 | 173 | 8 | 22 | 18 | FPA10150 | 24,80 |
| 200 | 8" | 219,1 | 10 | 340 | 295 | 225 | 8 | 22 | 20 | FPA10200 | 35,00 |
| 250 | 10" | 273,0 | 10 | 395 | 350 | 279 | 12 | 22 | 22 | FPA10250 | 46,25 |
| 300 | 12" | 323,9 | 10 | 445 | 400 | 329 | 12 | 22 | 22 | FPA10300 | 59,55 |



BRIDA ALUMINIO PLANA BLANCA DIN 2642

| DN | Ø | D1 | PN | NORMA | DIMENSIONES (mm) | | | TORNILLO | | B1 | COD. | € |
|-----|--------|-------|----|---------|------------------|-----|----------|----------|-----|----|----------|-------|
| | | | | | D | K | D5 (ISO) | NR | L | | | |
| 25 | 1" | 33,7 | 10 | ISO | 115 | 85 | 36 | 4 | M12 | 12 | FPAB0025 | 5,75 |
| 32 | 1 1/4" | 42,4 | 10 | ISO | 140 | 100 | 46 | 4 | M16 | 16 | FPAB0032 | 9,15 |
| 40 | 1 1/2" | 43,0 | 10 | MÉTRICO | 150 | 110 | 48 | 4 | M16 | 16 | FPABM043 | 10,50 |
| 40 | 1 1/2" | 48,3 | 10 | ISO | 150 | 110 | 54 | 4 | M16 | 16 | FPAB0040 | 12,50 |
| 50 | 2" | 53,0 | 10 | MÉTRICO | 165 | 125 | 60 | 4 | M16 | 16 | FPABM053 | 14,70 |
| 50 | 2" | 60,3 | 10 | ISO | 165 | 125 | 65 | 4 | M16 | 16 | FPAB0050 | 14,50 |
| 65 | 2 1/2" | 73,0 | 10 | MÉTRICO | 185 | 145 | 75 | 4 | M16 | 16 | FPABM073 | 15,25 |
| 65 | 2 1/2" | 76,1 | 10 | ISO | 185 | 145 | 81 | 4 | M16 | 16 | FPAB0065 | 16,45 |
| 80 | 3" | 84,0 | 10 | MÉTRICO | 200 | 160 | 90 | 8 | M16 | 18 | FPABM084 | 16,90 |
| 80 | 3" | 88,9 | 10 | ISO | 200 | 160 | 94 | 8 | M16 | 18 | FPAB0080 | 18,50 |
| 100 | 4" | 104,0 | 10 | MÉTRICO | 220 | 180 | 111 | 8 | M16 | 18 | FPABM104 | 21,05 |
| 100 | 4" | 114,3 | 10 | ISO | 220 | 180 | 119 | 8 | M16 | 18 | FPAB0100 | 18,95 |
| 125 | 5" | 129,0 | 10 | MÉTRICO | 250 | 210 | 136 | 8 | M16 | 18 | FPABM129 | 27,55 |
| 125 | 5" | 139,7 | 10 | ISO | 250 | 210 | 145 | 8 | M16 | 18 | FPAB0125 | 21,90 |
| 150 | 6" | 154,0 | 10 | MÉTRICO | 285 | 240 | 161 | 8 | M20 | 18 | FPABM154 | 32,60 |
| 150 | 6" | 168,3 | 10 | ISO | 285 | 240 | 173 | 8 | M20 | 18 | FPAB0150 | 26,85 |
| 200 | 8" | 204,0 | 10 | MÉTRICO | 340 | 295 | 212 | 8 | M20 | 20 | FPABM204 | 48,40 |
| 200 | 8" | 219,1 | 10 | ISO | 340 | 295 | 225 | 8 | M20 | 20 | FPAB0200 | 41,95 |
| 250 | 10" | 254,0 | 10 | MÉTRICO | 395 | 350 | 264 | 12 | M20 | 22 | FPABM254 | 54,50 |
| 250 | 10" | 273,0 | 10 | ISO | 395 | 350 | 279 | 12 | M20 | 22 | FPAB0250 | 48,50 |
| 300 | 12" | 304,0 | 10 | MÉTRICO | 445 | 400 | 315 | 12 | M20 | 22 | FPABM304 | 58,60 |
| 300 | 12" | 323,9 | 10 | ISO | 445 | 400 | 329 | 12 | M20 | 22 | FPAB0300 | 54,50 |



BRIDAS INOXIDABLES FORJADAS

| DIMENSIONES | | | BRIDA PLANA SEGÚN NORMA EN 1092-1 01 | | | | | | | | | |
|-------------|--------|-------|--------------------------------------|----------|-----------|----------|----------|----------|----------|--------|----------|--------|
| | | | AISI 304L | | | | | | | | | |
| | | | PN 10 | | PN 16 | | | | PN 25 | | PN 40 | |
| DN | PULG. | mm. | COD. | € | COD. | € | COD. EN | € | | | COD. | € |
| 15 | 1/2" | 21,3 | IF414015 | 14,75 | | | IF414015 | 14,75 | IF414015 | 14,75 | IF414015 | 14,75 |
| 20 | 3/4" | 26,9 | IF414020 | 20,95 | | | IF414020 | 20,95 | IF414020 | 20,95 | IF414020 | 20,95 |
| 25 | 1" | 33,7 | IF414025 | 25,85 | | | IF414025 | 25,85 | IF414025 | 25,85 | IF414025 | 25,85 |
| 32 | 1 1/4" | 42,4 | IF414032 | 36,90 | | | IF414032 | 36,90 | IF414032 | 36,90 | IF414032 | 36,90 |
| 40 | 1 1/2" | 48,3 | IF414040 | 39,20 | | | IF414040 | 39,20 | IF414040 | 39,20 | IF414040 | 39,20 |
| 50 | 2" | 60,3 | IF416050 | 53,70 | | | IF416050 | 53,70 | IF416050 | 53,70 | IF416050 | 53,70 |
| 65 | 2 1/2" | 76,1 | I4576065 | 65,25 | | | I4576065 | 65,25 | | | | |
| 65 | 2 1/2" | 76,1 | IF416065 | 65,25 | | | IF416065 | 65,25 | IF416065 | 71,70 | IF416065 | 71,70 |
| 80 | 3" | 88,9 | IF416080 | 72,10 | | | IF416080 | 72,10 | IF416080 | 79,35 | IF416080 | 79,35 |
| 100 | 4" | 114,3 | IF416100 | 76,25 | | | IF416100 | 76,25 | IF416100 | 83,80 | IF416100 | 83,80 |
| 125 | 5" | 139,7 | IF416125 | 111,55 | | | IF416125 | 111,55 | IF416125 | 134,70 | IF416125 | 134,70 |
| 150 | 6" | 168,3 | IF416150 | 145,10 | | | IF416150 | 145,10 | IF416150 | 169,40 | IF416150 | 169,40 |
| 200 | 8" | 219,1 | IF411200 | 217,30 | | | IF416200 | 220,05 | IF412200 | 242,15 | IF414200 | 294,30 |
| 250 | 10" | 273,0 | IF411250 | 251,95 | | | IF416250 | 277,70 | IF412250 | 330,50 | IF414250 | 481,75 |
| 300 | 12" | 323,9 | IF411300 | 305,30 | | | IF416300 | 386,70 | IF412300 | 437,30 | IF414300 | 741,55 |
| 350 | 14" | 355,6 | IF411350 | 666,10 | I4502350* | 675,20 | IF416350 | 702,30 | | | | |
| 400 | 16" | 406,4 | IF411400 | 701,75 | | | IF416400 | 722,20 | | | | |
| 450 | 18" | 457,0 | IF411450 | 916,25 | | | | | | | | |
| 500 | 20" | 508,0 | IF411500 | 1.037,45 | I4502500* | 1.148,00 | IF416500 | 1.152,30 | | | | |
| 600 | 24" | 610,0 | IF411600 | 1.222,00 | IF416600 | 2.060,75 | | | | | | |
| 700 | 28" | 711,0 | IF411700 | 1.399,15 | IF416700 | 2.086,35 | | | | | | |
| 800 | 32" | 813,0 | IF411800 | 2.228,60 | IF416800 | 2.228,60 | | | | | | |

* Hasta fin de existencias Bridas no normalizadas 4 Agujeros Según DIN 2502

| DIMENSIONES | | | BRIDA CIEGA SEGÚN NORMA EN 1092-1 05 | | | | | |
|-------------|--------|-------|--------------------------------------|----------|-----------|----------|----------|-------|
| | | | AISI 304L | | | | | |
| | | | PN 10 | | PN 16 | | PN 40 | |
| DN | PULG. | mm. | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | IF454015 | 17,50 | IF454015 | 17,50 | IF454015 | 17,50 |
| 20 | 3/4" | 26,9 | I4527020* | 19,80 | I4527020* | 19,80 | | |
| | 3/4" | 26,9 | IF454020 | 25,45 | IF454020 | 25,45 | IF454020 | 25,45 |
| 25 | 1" | 33,7 | IF454025 | 28,25 | IF454025 | 28,25 | IF454025 | 28,25 |
| 32 | 1 1/4" | 42,4 | | | | | | |
| | 1 1/4" | 42,4 | IF454032 | 41,80 | IF454032 | 41,80 | IF454032 | 41,80 |
| 40 | 1 1/2" | 48,3 | IF454040 | 49,10 | IF454040 | 49,10 | IF454040 | 49,10 |
| 50 | 2" | 60,3 | IF456050 | 59,05 | IF456050 | 59,05 | IF456050 | 59,05 |
| 65 | 2 1/2" | 76,1 | IF456065 | 82,10 | IF456065 | 82,10 | | |
| 80 | 3" | 88,9 | IF456080 | 92,40 | IF456080 | 92,40 | | |
| 100 | 4" | 114,3 | IF456100 | 108,90 | IF456100 | 108,90 | | |
| 125 | 5" | 139,7 | IF456125 | 156,70 | IF456125 | 156,70 | | |
| 150 | 6" | 168,3 | IF456150 | 207,25 | IF456150 | 207,25 | | |
| 200 | 8" | 219,1 | IF451200 | 322,65 | IF456200 | 337,85 | | |
| 250 | 10" | 273,0 | IF451250 | 528,60 | IF456250 | 548,40 | | |
| 300 | 12" | 323,9 | IF451300 | 645,70 | IF456300 | 706,65 | | |
| 350 | 14" | 355,6 | IF451350 | 745,40 | IF456350 | 767,20 | | |
| 400 | 16" | 406,4 | IF451400 | 1.089,85 | IF456400 | 1.096,50 | | |
| 500 | 20" | 508,0 | IF451500 | 1.615,55 | IF456500 | 2.125,80 | | |

* Hasta fin de existencias Según DIN 2527

BRIDA PLANA SEGÚN NORMA EN 1092-1 01

| AISI 316L | | | | | | | | | |
|-----------|----------|-----------|----------|----------|----------|----------|--------|----------|----------|
| PN 10 | | PN 16 | | | | PN 25 | | PN40 | |
| COD. DIN | € | COD. | € | COD. EN | € | COD. | € | COD. | € |
| IF614015 | 21,05 | | | IF614015 | 21,05 | IF614015 | 21,05 | IF614015 | 21,05 |
| IF614020 | 25,80 | | | IF614020 | 25,80 | IF614020 | 25,80 | IF614020 | 25,80 |
| IF614025 | 34,55 | | | IF614025 | 34,55 | IF614025 | 34,55 | IF614025 | 34,55 |
| IF614032 | 52,00 | | | IF614032 | 52,00 | IF614032 | 52,00 | IF614032 | 52,00 |
| IF614040 | 53,50 | | | IF614040 | 53,50 | IF614040 | 53,50 | IF614040 | 53,50 |
| IF616050 | 69,50 | | | IF616050 | 69,50 | IF616050 | 69,50 | IF616050 | 69,50 |
| I6576065 | 76,10 | | | I6576065 | 76,10 | | | | |
| IF616065 | 76,10 | | | IF616065 | 76,10 | IF614065 | 83,65 | IF614065 | 83,65 |
| IF616080 | 90,80 | | | IF616080 | 90,80 | IF614080 | 99,90 | IF614080 | 99,90 |
| IF616100 | 104,30 | | | IF616100 | 104,30 | IF614100 | 136,40 | IF614100 | 136,40 |
| IF616125 | 154,55 | | | IF616125 | 154,55 | IF614125 | 184,05 | IF614125 | 184,05 |
| IF616150 | 175,75 | | | IF616150 | 175,75 | IF614150 | 231,50 | IF614150 | 231,50 |
| IF611200 | 262,35 | | | IF616200 | 262,35 | IF612200 | 321,35 | IF614200 | 402,25 |
| IF611250 | 335,30 | | | IF616250 | 335,30 | IF612250 | 451,70 | IF614250 | 658,40 |
| IF611300 | 364,80 | | | IF616300 | 490,00 | IF612300 | 597,80 | IF614300 | 1.013,45 |
| IF611350 | 674,25 | I6502350* | 793,00 | IF616350 | 801,50 | | | | |
| IF611400 | 798,40 | | | IF616400 | 874,30 | | | | |
| IF611450 | 1.019,90 | | | | | | | | |
| IF611500 | 1.277,15 | | | IF616500 | 1.555,75 | | | | |
| IF611600 | 1.382,50 | IF616600 | 1.841,85 | | | | | | |
| IF611700 | 2.047,30 | IF616700 | 2.818,80 | | | | | | |
| IF611800 | 2.490,15 | IF616800 | 2.864,50 | | | | | | |

BRIDA CIEGA SEGÚN NORMA EN 1092-1 05

| AISI 316L | | | | | |
|-----------|----------|-----------|----------|----------|-------|
| PN 10 | | PN 16 | | PN40 | |
| COD. | € | COD. | € | COD. | € |
| IF654015 | 20,55 | IF654015 | 20,55 | IF654015 | 20,55 |
| IF654020 | 28,25 | IF654020 | 28,25 | IF654020 | 28,25 |
| IF654025 | 32,45 | IF654025 | 32,45 | IF654025 | 32,45 |
| I6527032* | 40,10 | I6527032* | 40,10 | | |
| IF654032 | 52,60 | IF654032 | 52,60 | IF654032 | 52,60 |
| IF654040 | 55,45 | IF654040 | 55,45 | IF654040 | 55,45 |
| IF656050 | 73,10 | IF656050 | 73,10 | IF656050 | 73,10 |
| IF656065 | 90,00 | IF656065 | 90,00 | | |
| IF656080 | 110,90 | IF656080 | 110,90 | | |
| IF656100 | 158,40 | IF656100 | 158,40 | | |
| IF656125 | 212,65 | IF656125 | 212,65 | | |
| IF656150 | 247,40 | IF656150 | 247,40 | | |
| IF651200 | 443,25 | IF656200 | 446,05 | | |
| IF651250 | 613,05 | IF656250 | 621,15 | | |
| IF651300 | 825,90 | IF656300 | 953,10 | | |
| IF651350 | 1.034,55 | IF656350 | 1.258,30 | | |
| IF651400 | 1.268,10 | IF656400 | 1.697,35 | | |
| IF651500 | 2.375,80 | IF656500 | 3.370,70 | | |

| DIMENSIONES | | | BRIDA CUELLO SEGÚN NORMA EN 1092-1 11 | | | | | |
|-------------|--------|-------|---------------------------------------|--------|-----------|----------|----------|-------|
| | | | AISI 304L | | | | | |
| | | | PN 10 | | PN 16 | | PN 40 | |
| DN | PULG. | mm. | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 21,3 | I4633015* | 11,70 | I4633015* | 11,70 | | |
| | 1/2" | 21,3 | IF424015 | 15,70 | IF424015 | 15,70 | IF424015 | 15,70 |
| 20 | 3/4" | 26,9 | I4633020* | 17,80 | I4633020* | 17,80 | | |
| | 3/4" | 26,9 | IF424020 | 22,70 | IF424020 | 22,70 | IF424020 | 22,70 |
| 25 | 1" | 33,7 | IF424025 | 26,00 | IF424025 | 26,00 | IF424025 | 26,00 |
| 32 | 1 1/4" | 42,4 | I4633032* | 34,60 | I4633032* | 34,60 | | |
| | 1 1/4" | 42,4 | IF424032 | 41,15 | IF424032 | 41,15 | IF424032 | 41,15 |
| 40 | 1 1/2" | 48,3 | IF424040 | 46,65 | IF424040 | 46,65 | IF424040 | 46,65 |
| 50 | 2" | 60,3 | IF426050 | 54,95 | IF426050 | 54,95 | IF426050 | 54,95 |
| 65 | 2 1/2" | 76,1 | I4633065 | 73,30 | I4633065 | 73,30 | | |
| | 2 1/2" | 76,1 | IF426065 | 73,30 | IF426065 | 73,30 | | |
| 80 | 3" | 88,9 | IF426080 | 87,50 | IF426080 | 87,50 | | |
| 100 | 4" | 114,3 | IF426100 | 99,15 | IF426100 | 99,15 | | |
| 125 | 5" | 139,7 | IF426125 | 140,95 | IF426125 | 140,95 | | |
| 150 | 6" | 168,3 | IF426150 | 185,95 | IF426150 | 185,95 | | |
| 200 | 8" | 219,1 | | | IF426200 | 280,15 | | |
| 250 | 10" | 273,0 | | | IF426250 | 372,90 | | |
| 300 | 12" | 323,9 | | | IF426300 | 521,55 | | |
| 350 | 14" | 355,6 | | | IF426350 | 729,35 | | |
| 400 | 16" | 406,4 | | | IF426400 | 1.119,05 | | |
| 500 | 20" | 508,0 | | | IF426500 | 1.538,70 | | |

* Hasta fin de existencias

4 Agujeros Según DIN 2633



| DIMENSIONES | | | BRIDA PLANA MM SEGÚN NORMA EN 1092-1 01 / DIN 2576 | | | | | | | | | | | |
|-------------|--------|-----|--|--------|----------|--------|----------|-------|-----------|--------|----------|--------|----------|-------|
| | | | AISI 304L | | | | | | AISI 316L | | | | | |
| | | | PN 10 | | PN 16 | | PN 40 | | PN 10 | | PN 16 | | PN 40 | |
| DN | PULG. | mm. | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € |
| 15 | 1/2" | 18 | IM414015 | 17,20 | IM414015 | 17,20 | IM414015 | 17,20 | IM614015 | 21,95 | IM614015 | 21,95 | IM614015 | 21,95 |
| 20 | 3/4" | 23 | IM414020 | 25,10 | IM414020 | 25,10 | IM414020 | 25,10 | IM614020 | 28,20 | IM614020 | 28,20 | IM614020 | 28,20 |
| 25 | 1" | 28 | IM414025 | 26,95 | IM414025 | 26,95 | IM414025 | 26,95 | IM614025 | 32,05 | IM614025 | 32,05 | IM614025 | 32,05 |
| 32 | 1 1/4" | 38 | IM414032 | 41,85 | IM414032 | 41,85 | | | IM614032 | 50,20 | IM614032 | 50,20 | | |
| 40 | 1 1/2" | 43 | IM414040 | 46,80 | IM414040 | 46,80 | | | IM614040 | 58,75 | IM614040 | 58,75 | | |
| 50 | 2" | 53 | IM416050 | 61,05 | IM416050 | 61,05 | | | IM616050 | 75,90 | IM616050 | 75,90 | | |
| 65 | 2 1/2" | 73 | IM416065 | 72,95 | IM416065 | 72,95 | | | IM616065 | 83,95 | IM616065 | 83,95 | | |
| 80 | 3" | 84 | IM416080 | 81,05 | IM416080 | 81,05 | | | IM616080 | 101,55 | IM616080 | 101,55 | | |
| 100 | 4" | 104 | IM416100 | 93,85 | IM416100 | 93,85 | | | IM616100 | 119,35 | IM616100 | 119,35 | | |
| 125 | 5" | 129 | IM416125 | 131,90 | IM416125 | 131,90 | | | IM616125 | 162,00 | IM616125 | 162,00 | | |
| 150 | 6" | 154 | IM416150 | 170,55 | IM416150 | 170,55 | | | IM616150 | 209,30 | IM616150 | 209,30 | | |
| 200 | 8" | 204 | IM411200 | 224,70 | IM416200 | 227,35 | | | IM611200 | 272,95 | IM616200 | 290,70 | | |
| 250 | 10" | 254 | IM411250 | 300,05 | IM416250 | 311,10 | | | IM611250 | 387,35 | IM616250 | 430,65 | | |
| 300 | 12" | 304 | IM411300 | 377,50 | IM416300 | 458,30 | | | IM611300 | 435,25 | IM616300 | 555,00 | | |

BRIDA CUELLO SEGÚN NORMA EN 1092-1 11

| AISI 316L | | | | | |
|-----------|--------|----------|----------|----------|-------|
| PN 10 | | PN 16 | | PN40 | |
| COD. | € | COD. | € | COD. | € |
| IF624015 | 19,05 | IF624015 | 19,05 | IF624015 | 19,05 |
| IF624020 | 33,3 | IF624020 | 33,3 | IF624020 | 33,3 |
| IF624025 | 32,95 | IF624025 | 32,95 | IF624025 | 32,95 |
| IF624032 | 45,8 | IF624032 | 45,8 | IF624032 | 45,8 |
| IF624040 | 55,6 | IF624040 | 55,6 | IF624040 | 55,6 |
| IF626050 | 65,8 | IF626050 | 65,8 | IF626050 | 65,8 |
| I6633065 | 75,55 | I6633065 | 75,55 | | |
| IF626065 | 75,55 | IF626065 | 75,55 | | |
| IF626080 | 104,3 | IF626080 | 104,3 | | |
| IF626100 | 125,95 | IF626100 | 125,95 | | |
| IF626125 | 187,7 | IF626125 | 187,7 | | |
| IF626150 | 224,45 | IF626150 | 224,45 | | |
| | | IF626200 | 334,95 | | |
| | | IF626250 | 468 | | |
| | | IF626300 | 618,5 | | |
| | | IF626350 | 951,65 | | |
| | | IF626400 | 1.189,65 | | |
| | | IF626500 | 1.982,65 | | |

BRIDA ROSCADA SEGÚN DIMENSIONES EN 1092-1 01

| DIMENSIONES | | | AISI 304L | | | | | | | | AISI 316L | | | | | | | |
|-------------|--------|-------|-----------|-------|----------|-------|----------|--------|----------|----------|-----------|---------|---|--|-------|--|--|--|
| | | | PN 10-16 | | | | PN 40 | | | | PN 10-16 | | | | PN 40 | | | |
| | | | DN | PULG. | mm. | COD. | € | COD. | € | COD. DIN | € | COD. EN | € | | | | | |
| 15 | 1/2" | 21,3 | IR416015 | 17,35 | IR416015 | 17,35 | IR616015 | 20,25 | IR616015 | 20,25 | | | | | | | | |
| 20 | 3/4" | 26,9 | IR416020 | 23,30 | IR416020 | 23,30 | IR616020 | 27,80 | IR616020 | 27,80 | | | | | | | | |
| 25 | 1" | 33,7 | IR416025 | 28,25 | IR416025 | 28,25 | IR616025 | 34,05 | IR616025 | 34,05 | | | | | | | | |
| 32 | 1 1/4" | 42,4 | IR416032 | 38,85 | IR416032 | 38,85 | IR616032 | 47,90 | IR616032 | 47,90 | | | | | | | | |
| 40 | 1 1/2" | 48,3 | IR416040 | 43,80 | IR416040 | 43,80 | IR616040 | 52,75 | IR616040 | 52,75 | | | | | | | | |
| 50 | 2" | 60,3 | IR416050 | 53,25 | IR416050 | 53,25 | IR616050 | 69,60 | IR616050 | 69,60 | | | | | | | | |
| 65 | 2 1/2" | 76,1 | IR416065 | 65,35 | | | IR616065 | 92,75 | | | | | | | | | | |
| 80 | 3" | 88,9 | IR416080 | 76,20 | | | IR616080 | 109,35 | | | | | | | | | | |
| 100 | 4" | 114,3 | IR416100 | 90,55 | | | IR616100 | 119,85 | | | | | | | | | | |

BRIDA SEGÚN NORMA ASME B 16.5 ASTM A182 - 150 LBS.

| DIMENSIONES | | | AISI 316L | | | | | | | | | | | |
|-------------|--------|-------|--------------|--------|----------|--------|----------|--------|---|------|-------|--|--|--|
| | | | WELDING NECK | | | | SLIP ON | | | | BLIND | | | |
| | | | DN | PULG. | mm. | COD. | € | COD. | € | COD. | € | | | |
| 15 | 1/2" | 21,3 | IN150015 | 16,40 | IO150015 | 12,95 | IB150015 | 12,30 | | | | | | |
| 20 | 3/4" | 26,9 | IN150020 | 23,95 | IO150020 | 20,90 | IB150020 | 17,10 | | | | | | |
| 25 | 1" | 33,7 | IN150025 | 34,60 | IO150025 | 25,05 | IB150025 | 25,30 | | | | | | |
| 32 | 1 1/4" | 42,4 | IN150032 | 44,70 | IO150032 | 33,70 | IB150032 | 32,45 | | | | | | |
| 40 | 1 1/2" | 48,3 | IN150040 | 57,65 | IO150040 | 54,20 | IB150040 | 42,55 | | | | | | |
| 50 | 2" | 60,3 | IN150050 | 84,10 | IO150050 | 64,15 | IB150050 | 65,35 | | | | | | |
| 65 | 2 1/2" | 76,1 | IN150065 | 134,25 | IO150065 | 103,70 | IB150065 | 107,05 | | | | | | |
| 80 | 3" | 88,9 | IN150080 | 161,75 | IO150080 | 119,40 | IB150080 | 133,80 | | | | | | |
| 100 | 4" | 114,3 | IN150100 | 220,90 | IO150100 | 160,00 | IB150100 | 184,20 | | | | | | |
| 125 | 5" | 139,7 | IN150125 | 277,15 | IO150125 | 182,25 | IB150125 | 226,05 | | | | | | |
| 150 | 6" | 168,3 | IN150150 | 338,60 | IO150150 | 221,00 | IB150150 | 293,90 | | | | | | |
| 200 | 8" | 219,1 | IN150200 | 561,05 | IO150200 | 360,20 | IB150200 | 545,60 | | | | | | |
| 250 | 10" | 273,0 | IN150250 | 766,15 | IO150250 | 492,20 | IB150250 | 745,55 | | | | | | |

ACCESORIOS

**JUEGO JUNTA PTFE
VALV. INOX 2 PZS. BRIDADA**

| Ø | COD. | €/Juego |
|--------|----------|---------|
| 1/2" | IVB2J015 | 1,15 |
| 3/4" | IVB2J020 | 1,55 |
| 1" | IVB2J025 | 1,85 |
| 1 1/4" | IVB2J032 | 3,35 |
| 1 1/2" | IVB2J040 | 4,50 |
| 2" | IVB2J050 | 7,90 |
| 2 1/2" | IVB2J065 | 9,75 |
| 3" | IVB2J080 | 12,95 |
| 4" | IVB2J100 | 22,50 |
| 5" | IVB2J125 | 34,95 |
| 6" | IVB2J150 | 51,15 |


**JUEGO JUNTA PTFE
VALV. INOX 3 PZS.**

| Ø | COD. | €/Juego |
|--------|----------|---------|
| 1/2" | IVB3PJ3 | 2,90 |
| 3/4" | IVB3PJ4 | 3,85 |
| 1" | IVB3PJ5 | 5,55 |
| 1 1/4" | IVB3PJ6 | 7,90 |
| 1 1/2" | IVB3PJ7 | 11,65 |
| 2" | IVB3PJ8 | 17,35 |
| 2 1/2" | IVB3PJ9 | 33,20 |
| 3" | IVB3PJPA | 49,80 |
| 4" | IVB3PJPC | 82,25 |


**PLÁSTICO MANETA
ROJA VALV. INOX 1 PZ.**

| Ø | COD. | € |
|-------------|----------|------|
| 1/4" | IVB1PMR1 | 0,25 |
| 3/8" | IVB1PMR2 | 0,25 |
| 1/2" - 3/4" | IVB1PMR3 | 0,25 |
| 1" - 1 1/4" | IVB1PMR5 | 0,40 |
| 1 1/2" | IVB1PMR7 | 0,55 |
| 2" | IVB1PMR8 | 0,55 |


**PLÁSTICO MANETA
ROJA VALV. INOX 2 PZS.**

| Ø | COD. | € |
|-------------|----------|------|
| 1/4" - 1/2" | IVB2PMR1 | 0,25 |
| 3/4" | IVB2PMR4 | 0,25 |
| 1" | IVB2PMR5 | 0,40 |
| 1 1/4" | IVB2PMR6 | 0,40 |
| 1 1/2" | IVB2PMR7 | 0,55 |
| 2" | IVB2PMR8 | 0,55 |
| 2 1/2" - 3" | IVB2PMR9 | 0,95 |
| 4" | IVB2PMRC | 1,50 |


**PLÁSTICO MANETA
ROJA VALV. INOX 3 PZS.**

| Ø | COD. | € |
|-----------------|----------|------|
| 1/4" - 1/2" | IVB3PMR1 | 0,25 |
| 3/4" - 1" | IVB3PMR4 | 0,30 |
| 1 1/4" - 1 1/2" | IVB3PMR6 | 0,55 |
| 2" | IVB3PMR8 | 0,75 |
| 2 1/2" - 3" | IVB3PMR9 | 0,95 |
| 4" | IVB3PMRC | 1,50 |



**MALLA FILTRO "Y"
AISI 316**

| Ø | COD. | € |
|--------|----------|------|
| 1/2" | IVFM0063 | 1,95 |
| 3/4" | IVFM0064 | 2,65 |
| 1" | IVFM0065 | 2,75 |
| 1 1/4" | IVFM0066 | 3,30 |
| 1 1/2" | IVFM0067 | 5,00 |
| 2" | IVFM0068 | 5,65 |


ACCESORIOS INOXIDABLE ALIMENTARIO

RACORES NW - DIN 11851

CASQUILLO

| Ø |  | SERIE 1 | | | | SERIE 2 | | | | MANDRINAR | | |
|-----|---|---------------|-------|---------------|-------|---------------|-------|---------------|----------|---------------|----------|------|
| | | COD. AISI 304 | € | COD. AISI 316 | € | COD. AISI 304 | € | COD. AISI 316 | € | COD. AISI 316 | € | |
| 10 | 700 10 | | | | | | | | | I3816M02 | 4,00 | |
| 15 | 700 10 | | | I3816003 | 3,85 | | | | I3816203 | 3,85 | I3816M03 | 4,00 |
| 20 | 400 10 | | | I3816004 | 5,65 | | | | I3816204 | 5,65 | I3816M04 | 5,70 |
| 25 | 225 5 | I3814005 | 4,80 | I3816005 | 6,15 | I3814205 | 4,80 | I3816205 | 6,15 | I3816M05 | 6,40 | |
| 32 | 180 5 | I3814006 | 5,45 | I3816006 | 7,10 | I3814206 | 5,45 | I3816206 | 7,10 | I3816M06 | 7,35 | |
| 40 | 150 5 | I3814007 | 5,75 | I3816007 | 7,60 | I3814207 | 5,75 | I3816207 | 7,60 | I3816M07 | 7,95 | |
| 50 | 90 5 | I3814008 | 7,05 | I3816008 | 9,65 | I3814208 | 7,05 | I3816208 | 9,65 | I3816M08 | 10,45 | |
| 65 | 48 2 | I3814009 | 11,00 | I3816009 | 15,20 | I3814209 | 11,00 | I3816209 | 15,20 | I3816M09 | 16,70 | |
| 80 | 28 2 | I381400A | 15,30 | I381600A | 21,45 | I381420A | 15,30 | I381620A | 21,45 | I3816M0A | 22,85 | |
| 100 | 20 2 | I381400C | 23,15 | I381600C | 33,35 | I381420C | 23,15 | I381620C | 33,35 | I3816M0C | 38,80 | |
| 125 | 10 1 | | | I381600D | 49,75 | | | | I381620D | 49,75 | | |
| 150 | 5 1 | | | I381600E | 77,85 | | | | I381620E | 77,85 | | |

CONEXIÓN MACHO

| Ø |  | SERIE 1 | | | | SERIE 2 | | | | MANDRINAR | | |
|-----|---|---------------|-------|---------------|--------|---------------|-------|---------------|----------|---------------|----------|------|
| | | COD. AISI 304 | € | COD. AISI 316 | € | COD. AISI 304 | € | COD. AISI 316 | € | COD. AISI 316 | € | |
| 10 | 500 10 | | | | | | | | | I3806M02 | 4,30 | |
| 15 | 500 10 | | | I3806003 | 5,30 | | | | I3806203 | 5,30 | I3806M03 | 5,35 |
| 20 | 300 10 | | | I3806004 | 6,95 | | | | I3806204 | 6,95 | I3806M04 | 7,05 |
| 25 | 160 5 | I3804005 | 5,90 | I3806005 | 7,60 | I3804205 | 5,90 | I3806205 | 7,60 | I3806M05 | 7,95 | |
| 32 | 120 5 | I3804006 | 6,80 | I3806006 | 8,95 | I3804206 | 6,80 | I3806206 | 8,95 | I3806M06 | 9,50 | |
| 40 | 75 5 | I3804007 | 7,50 | I3806007 | 10,10 | I3804207 | 7,50 | I3806207 | 10,10 | I3806M07 | 10,80 | |
| 50 | 60 5 | I3804008 | 9,60 | I3806008 | 13,35 | I3804208 | 9,60 | I3806208 | 13,35 | I3806M08 | 14,25 | |
| 65 | 36 2 | I3804009 | 13,75 | I3806009 | 19,40 | I3804209 | 13,75 | I3806209 | 19,40 | I3806M09 | 21,85 | |
| 80 | 24 2 | I380400A | 21,35 | I380600A | 30,20 | I380420A | 21,35 | I380620A | 30,20 | I3806M0A | 32,45 | |
| 100 | 12 2 | I380400C | 28,95 | I380600C | 41,10 | I380420C | 28,95 | I380620C | 41,10 | I3806M0C | 49,45 | |
| 125 | 10 1 | | | I380600D | 73,00 | | | | I380620D | 73,00 | | |
| 150 | 5 1 | | | I380600E | 113,40 | | | | I380620E | 113,40 | | |



TUERCA AISI 304 ROSCADA

| Ø | | | COD. | € |
|-----|-----|----|----------|-------|
| 15 | 300 | 10 | I3744003 | 6,15 |
| 20 | 180 | 10 | I3744004 | 7,35 |
| 25 | 150 | 5 | I3744005 | 7,35 |
| 32 | 125 | 5 | I3744006 | 7,55 |
| 40 | 80 | 5 | I3744007 | 8,20 |
| 50 | 55 | 5 | I3744008 | 9,25 |
| 65 | 30 | 2 | I3744009 | 14,40 |
| 80 | 16 | 2 | I374400A | 21,80 |
| 100 | 14 | 2 | I374400C | 25,40 |
| 125 | 12 | 1 | I374400D | 43,20 |
| 150 | 10 | 1 | I374400E | 66,45 |



TUERCA CIEGA AISI 304 CON JUNTA EPDM Y CADENA

| Ø | | | COD. | € |
|-----|----|---|----------|-------|
| 25 | 85 | 5 | I3834005 | 17,20 |
| 32 | 60 | 5 | I3834006 | 21,35 |
| 40 | 60 | 5 | I3834007 | 24,10 |
| 50 | 50 | 5 | I3834008 | 29,70 |
| 65 | 36 | 2 | I3834009 | 42,60 |
| 80 | 20 | 2 | I383400A | 54,25 |
| 100 | 12 | 2 | I383400C | 68,55 |



JUNTA RACOR

| Ø | | | COD. EPDM | € | COD. NBR | € |
|-----|-----|----|-----------|------|----------|------|
| 15 | 300 | 10 | IJAL0003 | 0,50 | IJALN003 | 0,50 |
| 20 | 300 | 10 | IJAL0004 | 0,50 | IJALN004 | 0,50 |
| 25 | 680 | 10 | IJAL0005 | 0,60 | IJALN005 | 0,60 |
| 32 | 900 | 10 | IJAL0006 | 0,60 | IJALN006 | 0,60 |
| 40 | 700 | 10 | IJAL0007 | 0,60 | IJALN007 | 0,60 |
| 50 | 700 | 10 | IJAL0008 | 0,65 | IJALN008 | 0,70 |
| 65 | 600 | 10 | IJAL0009 | 1,10 | IJALN009 | 1,10 |
| 80 | 600 | 10 | IJAL000A | 1,15 | IJALN00A | 1,20 |
| 100 | 500 | 10 | IJAL000C | 1,65 | IJALN00C | 2,50 |
| 125 | - | 6 | IJAL000D | 1,95 | IJALN00D | 2,55 |
| 150 | - | 5 | IJAL000E | 3,95 | IJALN00E | 4,15 |



JUNTA EPDM PARA TUERCA CIEGA

| Ø | | | COD. | € |
|-----|-----|----|----------|------|
| 25 | 680 | 10 | IJALCE05 | 1,95 |
| 32 | 900 | 10 | IJALCE06 | 2,00 |
| 40 | 700 | 10 | IJALCE07 | 2,15 |
| 50 | 700 | 10 | IJALCE08 | 2,70 |
| 65 | 300 | 10 | IJALCE09 | 3,15 |
| 80 | 300 | 10 | IJALCE0A | 3,55 |
| 100 | 250 | 10 | IJALCE0C | 4,50 |

RACORES SMS 1146



CASQUILLO AISI 316L

| Ø | | | COD. | € |
|-------|-----|---|----------|-------|
| 25 | 225 | 5 | I3816S05 | 4,50 |
| 38 | 150 | 5 | I3816S06 | 5,95 |
| 51 | 90 | 5 | I3816S07 | 7,30 |
| 63,5 | 48 | 2 | I3816S08 | 10,95 |
| 76 | 40 | 2 | I3816S09 | 12,30 |
| 101,6 | 20 | 2 | I3816S0A | 19,45 |
| 104 | 16 | 2 | I3816S0C | 19,45 |



TUERCA AISI 304 ROSCADA

| Ø | | | COD. | € |
|-------|-----|---|----------|-------|
| 25 | 150 | 5 | I3744S05 | 4,95 |
| 38 | 60 | 5 | I3744S06 | 7,80 |
| 51 | 40 | 5 | I3744S07 | 9,45 |
| 63,5 | 30 | 2 | I3744S08 | 13,05 |
| 76 | 16 | 2 | I3744S09 | 17,10 |
| 101,6 | 14 | 2 | I3744S0A | 29,35 |
| 104 | 14 | 2 | I3744S0C | 23,10 |



CONEXIÓN MACHO AISI 316L

| Ø | | | COD. | € |
|-------|-----|---|----------|-------|
| 25 | 160 | 5 | I3806S05 | 5,55 |
| 38 | 120 | 5 | I3806S06 | 8,55 |
| 51 | 60 | 5 | I3806S07 | 9,50 |
| 63,5 | 36 | 2 | I3806S08 | 15,45 |
| 76 | 24 | 2 | I3806S09 | 18,55 |
| 101,6 | 12 | 2 | I3806S0A | 36,35 |
| 104 | 12 | 2 | I3806S0C | 26,50 |



JUNTA RACOR



| Ø | | | COD. EPDM | € | COD. SILICONA | € |
|-------|-----|----|-----------|------|---------------|------|
| 25 | 680 | 10 | IJASE005 | 0,55 | IJASS005 | 0,67 |
| 38 | 900 | 10 | IJASE006 | 0,58 | IJASS006 | 0,70 |
| 51 | 700 | 10 | IJASE007 | 0,73 | IJASS007 | 0,90 |
| 63,5 | 700 | 10 | IJASE008 | 1,10 | IJASS008 | 1,30 |
| 76 | 600 | 10 | IJASE009 | 1,20 | IJASS009 | 1,45 |
| 101,6 | 600 | 10 | IJASE00A | 1,55 | IJASS00A | 1,85 |
| 104 | 500 | 10 | IJASE00C | 1,55 | IJASS00C | 1,85 |

ACCESORIOS CLAMP



ABRAZADERA CLAMP AISI 304

| Ø | PULG. | CASQUILLO CLAMP mm. | | COD. | € |
|----------|-------------|---------------------|-------|----------|-------|
| | 1/2" - 3/4" | 25,0 | 150 1 | IRFC4008 | 7,60 |
| 10-15-20 | | 34,0 | 100 1 | IRFC4010 | 8,35 |
| 25-32-40 | 1" - 1.5" | 50,5 | 80 1 | IRFC4025 | 9,95 |
| 50 | 2" | 64,0 | 70 1 | IRFC4050 | 11,80 |
| | 2 1/2" | 77,5 | 60 1 | IRFC4060 | 13,00 |
| 65 | 3" | 91,0 | 50 1 | IRFC4065 | 14,45 |
| 80 | 3.5" | 106,0 | 40 1 | IRFC4080 | 16,15 |
| 100 | 4" | 119,0 | 40 1 | IRFC4100 | 17,40 |



CASQUILLO CLAMP CIEGO AISI 316L

| Ø | ESTÁNDAR | DIÁM. EXT TUBO | | COD. | € |
|--------------|----------|----------------|--------|----------|-------|
| 1/2" - 3/4" | 3A | 25,4 | 800 20 | IRCB6009 | 4,45 |
| 10 - 15 - 20 | DIN | 34,0 | 800 20 | IRCB6010 | 5,00 |
| 25 - 32 - 40 | DIN | 50,5 | 300 20 | IRCB6025 | 5,60 |
| 50 | DIN | 64,0 | 200 10 | IRCB6050 | 8,10 |
| 2 1/2" | 3A | 77,5 | 100 5 | IRCB6060 | 9,95 |
| 65 | DIN | 91,0 | 60 5 | IRCB6065 | 12,45 |
| 80 | DIN | 106,0 | 60 5 | IRCB6080 | 16,80 |
| 100 | DIN | 119,0 | 40 5 | IRCB6100 | 24,25 |



CASQUILLO CLAMP SOLDAR AISI 316L

| Ø | ESTÁNDAR | DIÁM. EXT TUBO | DIÁM. EXT. CLAMP | LONGITUD | | COD. | € |
|--------|----------|----------------|------------------|----------|--------|----------|-------|
| 1/2" | 3A | 12,7 | 25,4 | 28,6 | 350 10 | IRCC6009 | 5,25 |
| 10 | DIN | 12,0 | 34,0 | 21,5 | 350 10 | IRCC6010 | 5,25 |
| 15 | DIN | 18,0 | 34,0 | 21,5 | 350 10 | IRCC6015 | 5,25 |
| 3/4" | 3A | 19,0 | 25,4 | 28,6 | 350 10 | IRCC6016 | 5,10 |
| 20 | DIN | 22,0 | 34,0 | 21,5 | 250 10 | IRCC6020 | 4,95 |
| 1" | 3A | 25,4 | 50,5 | 28,6 | 150 10 | IRCC6022 | 6,45 |
| 25 | DIN | 28,0 | 50,5 | 21,5 | 180 10 | IRCC6025 | 4,90 |
| 32 | DIN | 34,0 | 50,5 | 21,5 | 180 10 | IRCC6032 | 4,85 |
| 1 1/2" | 3A | 38,1 | 50,5 | 28,6 | 150 10 | IRCC6035 | 6,35 |
| 40 | DIN | 40,0 | 50,5 | 21,5 | 180 10 | IRCC6040 | 4,80 |
| 2" | 3A | 50,8 | 64,0 | 28,6 | 120 10 | IRCC6048 | 7,70 |
| 50 | DIN | 52,0 | 64,0 | 21,5 | 150 10 | IRCC6050 | 6,35 |
| 2 1/2" | 3A | 63,5 | 77,5 | 28,6 | 70 10 | IRCC6060 | 8,70 |
| 65 | DIN | 70,0 | 91,0 | 21,5 | 70 5 | IRCC6065 | 10,10 |
| 3" | 3A | 76,2 | 91,0 | 28,6 | 40 5 | IRCC6073 | 12,65 |
| 80 | DIN | 85,0 | 106,0 | 21,5 | 60 5 | IRCC6080 | 12,45 |
| 4" | 3A | 101,6 | 119,0 | 28,6 | 25 5 | IRCC6097 | 19,00 |
| 100 | DIN | 104,0 | 119,0 | 21,5 | 30 5 | IRCC6100 | 14,90 |



JUNTA CASQUILLO CLAMP

| Ø | ESTÁNDAR | DIÁM. INT. | DIÁM. EXT. | | COD. EPDM | € | COD. NBR | € |
|--------|----------|------------|------------|--------|-----------|------|----------|------|
| 1/2" | 3A | 9,9 | 25,4 | 800 10 | IRCJE009 | 0,65 | IRCJN009 | 0,75 |
| 10 | DIN | 10,2 | 34,0 | 800 10 | IRCJE010 | 0,65 | IRCJN010 | 0,75 |
| 15 | DIN | 16,2 | 34,0 | 800 10 | IRCJE015 | 0,65 | IRCJN015 | 0,75 |
| 3/4" | 3A | 16,2 | 25,4 | 800 10 | IRCJE016 | 0,65 | IRCJN016 | 0,75 |
| 20 | DIN | 20,2 | 34,0 | 600 10 | IRCJE020 | 0,65 | IRCJN020 | 0,75 |
| 1" | 3A | 22,8 | 50,5 | 600 10 | IRCJE022 | 1,00 | IRCJN022 | 1,25 |
| 25 | DIN | 26,2 | 50,5 | 500 10 | IRCJE025 | 1,00 | IRCJN025 | 1,25 |
| 32 | DIN | 32,2 | 50,5 | 500 10 | IRCJE032 | 1,00 | IRCJN032 | 1,25 |
| 1 1/2" | 3A | 35,8 | 50,5 | 500 10 | IRCJE035 | 1,00 | IRCJN035 | 1,25 |
| 40 | DIN | 38,2 | 50,5 | 500 10 | IRCJE040 | 1,00 | IRCJN040 | 1,25 |
| 2" | 3A | 48,8 | 64,0 | 400 10 | IRCJE048 | 1,25 | IRCJN048 | 1,65 |
| 50 | DIN | 50,2 | 64,0 | 400 10 | IRCJE050 | 1,25 | IRCJN050 | 1,65 |
| 2 1/2" | 3A | 60,5 | 77,5 | 350 10 | IRCJE060 | 1,75 | IRCJN060 | 2,25 |
| 65 | DIN | 66,2 | 91,0 | 350 5 | IRCJE065 | 2,00 | IRCJN065 | 2,45 |
| 3" | 3A | 73,1 | 91,0 | 150 5 | IRCJE073 | 2,00 | IRCJN073 | 2,45 |
| 80 | DIN | 81,2 | 106,0 | 150 5 | IRCJE080 | 2,45 | IRCJN080 | 3,15 |
| 4" | 3A | 97,8 | 119,0 | 125 5 | IRCJE097 | 2,95 | IRCJN097 | 3,75 |
| 100 | DIN | 100,2 | 119,0 | 125 5 | IRCJE100 | 2,95 | IRCJN100 | 3,75 |

ACCESORIOS PARA SOLDAR - DIN 11852

CODO 90°


| DN | ESPES. mm. | R mm. | | SERIE 1 | | | | | SERIE 2 | | | | |
|-----|---------------|----------|----|-------------------|----------|-------|-----------|--------|-------------------|----------|-------|-----------|-------|
| | | | | DIAM. EXT. mm. | AISI 304 | | AISI 316L | | DIAM. EXT. mm. | AISI 304 | | AISI 316L | |
| | | | | | COD. | € | COD. | € | | COD. | € | COD. | € |
| 10 | 1,5 | 26,0 | 10 | 12 | | | IAC96010 | 7,30 | | | | | |
| 15 | 1,5 | 35,0 | 10 | 18 | | | IAC96015 | 6,00 | 19 | | | I2C96015 | 6,00 |
| 20 | 1,5 | 40,0 | 9 | 22 | | | IAC96020 | 6,80 | 23 | | | I2C96020 | 6,80 |
| 25 | 1,5 | 50,0 | 7 | 28 | IAC94025 | 7,15 | IAC96025 | 8,20 | 29 | I2C94025 | 7,15 | I2C96025 | 8,20 |
| 32 | 1,5 | 55,0 | 5 | 34 | IAC94032 | 7,85 | IAC96032 | 9,20 | 35 | I2C94032 | 7,85 | I2C96032 | 9,20 |
| 40 | 1,5 | 60,0 | 5 | 40 | IAC94040 | 8,65 | IAC96040 | 10,40 | 41 | I2C94040 | 8,65 | I2C96040 | 10,40 |
| 50 | 1,5 | 70,0 | 4 | 52 | IAC94050 | 10,75 | IAC96050 | 13,75 | 53 | I2C94050 | 10,75 | I2C96050 | 13,75 |
| 65 | 2,0 | 80,0 | 3 | 70 | IAC94065 | 18,85 | IAC96065 | 24,65 | | | | | |
| 80 | 2,0 | 90,0 | 2 | 85 | IAC94080 | 23,05 | IAC96080 | 30,70 | | | | | |
| 100 | 2,0 | 100,0 | 1 | 104 | IAC94100 | 32,50 | IAC96100 | 41,70 | | | | | |
| 125 | 2,0 | 187,5 | 1 | 129 | | | IAC96125 | 104,00 | | | | | |
| 150 | 2,0 | 225,0 | 1 | 154 | | | IAC96150 | 154,05 | | | | | |


TE

| DN | ESPES. mm. | R mm. | | SERIE 1 | | | | | SERIE 2 | | | | |
|-----|---------------|----------|---|-------------------|----------|-------|-----------|--------|-------------------|----------|-------|-----------|-------|
| | | | | DIAM. EXT. mm. | AISI 304 | | AISI 316L | | DIAM. EXT. mm. | AISI 304 | | AISI 316L | |
| | | | | | COD. | € | COD. | € | | COD. | € | COD. | € |
| 10 | 1,5 | 26,0 | 4 | 12 | | | IATL6010 | 11,70 | | | | | |
| 15 | 1,5 | 35,0 | 4 | 18 | | | IATL6015 | 11,70 | 19 | | | I2TL6015 | 11,70 |
| 20 | 1,5 | 40,0 | 4 | 22 | | | IATL6020 | 11,90 | 23 | | | I2TL6020 | 11,90 |
| 25 | 1,5 | 50,0 | 4 | 28 | IATL4025 | 13,10 | IATL6025 | 14,10 | 29 | I2TL4025 | 13,10 | I2TL6025 | 14,10 |
| 32 | 1,5 | 55,0 | 4 | 34 | IATL4032 | 14,25 | IATL6032 | 15,75 | 35 | I2TL4032 | 14,25 | I2TL6032 | 15,75 |
| 40 | 1,5 | 60,0 | 4 | 40 | IATL4040 | 15,10 | IATL6040 | 18,10 | 41 | I2TL4040 | 15,10 | I2TL6040 | 18,10 |
| 50 | 1,5 | 70,0 | 3 | 52 | IATL4050 | 17,25 | IATL6050 | 22,75 | 53 | I2TL4050 | 17,25 | I2TL6050 | 22,75 |
| 65 | 2,0 | 80,0 | 3 | 70 | IATL4065 | 30,00 | IATL6065 | 39,30 | | | | | |
| 80 | 2,0 | 90,0 | 2 | 85 | IATL4080 | 35,85 | IATL6080 | 47,75 | | | | | |
| 100 | 2,0 | 100,0 | 1 | 104 | IATL4100 | 49,30 | IATL6100 | 65,45 | | | | | |
| 125 | 2,0 | 187,5 | 1 | 129 | | | IATL6125 | 141,20 | | | | | |
| 150 | 2,0 | 225,0 | 1 | 154 | | | IATL6150 | 196,40 | | | | | |



REDUCCIÓN CONCÉNTRICA AISI 316L

| DN | ESPESES. mm. |  | SERIE 1 | | | SERIE 2 | | |
|----------------|-----------------|---|-------------------|----------|-------|-------------------|----------|-------|
| | | | DIAM. EXT. mm. | COD. | € | DIAM. EXT. mm. | COD. | € |
| DN 15 - DN 10 | 1,5 | 10 | 18 x 12 | IARC6032 | 6,15 | | | |
| DN 20 - DN 10 | 1,5 | 10 | 22 x 12 | IARC6042 | 6,95 | | | |
| DN 20 - DN 15 | 1,5 | 10 | 22 x 18 | IARC6043 | 6,15 | 23 x 19 | I2RC6043 | 6,15 |
| DN 25 - DN 10 | 1,5 | 10 | 28 x 12 | IARC6052 | 8,10 | | | |
| DN 25 - DN 15 | 1,5 | 10 | 28 x 18 | IARC6053 | 7,30 | | | |
| DN 25 - DN 20 | 1,5 | 10 | 28 x 22 | IARC6054 | 6,95 | 29 x 23 | I2RC6054 | 6,95 |
| DN 32 - DN 15 | 1,5 | 10 | 34 x 18 | IARC6063 | 9,00 | | | |
| DN 32 - DN 20 | 1,5 | 10 | 34 x 22 | IARC6064 | 7,70 | 35 x 23 | I2RC6064 | 7,70 |
| DN 32 - DN 25 | 1,5 | 10 | 34 x 28 | IARC6065 | 7,30 | 35 x 29 | I2RC6065 | 7,30 |
| DN 40 - DN 20 | 1,5 | 10 | 40 x 22 | IARC6074 | 9,70 | 41 x 23 | I2RC6074 | 9,70 |
| DN 40 - DN 25 | 1,5 | 10 | 40 x 28 | IARC6075 | 8,90 | 41 x 29 | I2RC6075 | 8,90 |
| DN 40 - DN 32 | 1,5 | 10 | 40 x 34 | IARC6076 | 8,25 | 41 x 35 | I2RC6076 | 8,25 |
| DN 50 - DN 25 | 1,5 | 10 | 52 x 28 | IARC6085 | 11,15 | 53 x 29 | I2RC6085 | 11,15 |
| DN 50 - DN 32 | 1,5 | 10 | 52 x 34 | IARC6086 | 10,00 | 53 x 35 | I2RC6086 | 10,00 |
| DN 50 - DN 40 | 1,5 | 10 | 52 x 40 | IARC6087 | 8,25 | 53 x 41 | I2RC6087 | 8,25 |
| DN 65 - DN 32 | 2,0 | 1 | 70 x 34 | IARC6096 | 19,40 | 70 x 35 | I2RC6096 | 19,40 |
| DN 65 - DN 40 | 2,0 | 1 | 70 x 40 | IARC6097 | 19,25 | 70 x 41 | I2RC6097 | 19,25 |
| DN 65 - DN 50 | 2,0 | 1 | 70 x 52 | IARC6098 | 16,95 | 70 x 53 | I2RC6098 | 16,95 |
| DN 80 - DN 40 | 2,0 | 1 | 85 x 40 | IARC60A7 | 25,40 | 85 x 41 | I2RC60A7 | 25,40 |
| DN 80 - DN 50 | 2,0 | 1 | 85 x 52 | IARC60A8 | 21,20 | 85 x 53 | I2RC60A8 | 21,20 |
| DN 80 - DN 65 | 2,0 | 1 | 85 x 70 | IARC60A9 | 16,95 | | | |
| DN 100 - DN 50 | 2,0 | 1 | 104 x 52 | IARC60C8 | 35,45 | 104 x 53 | I2RC60C8 | 35,45 |
| DN 100 - DN 65 | 2,0 | 1 | 104 x 70 | IARC60C9 | 28,50 | | | |
| DN 100 - DN 80 | 2,0 | 1 | 104 x 85 | IARC60CA | 23,85 | | | |

ACCESORIOS PARA SOLDAR - SMS 1146

CODO 90°

| DN | ESPESES. mm. | DIAM. EXT. mm. | R mm. | | AISI 304 | | AISI 316L | |
|-----|--------------|----------------|-------|---|----------|-------|-----------|-------|
| | | | | | COD. | € | COD. | € |
| 25 | 1,5 | 25,4 | 38,1 | 7 | ISC94025 | 5,85 | ISC96025 | 6,60 |
| 38 | 1,5 | 38,1 | 57,2 | 5 | ISC94038 | 8,05 | ISC96038 | 9,50 |
| 51 | 1,5 | 50,8 | 76,1 | 4 | ISC94051 | 10,60 | ISC96051 | 13,55 |
| 63 | 1,5 | 63,5 | 95,2 | 3 | ISC94063 | 15,00 | ISC96063 | 19,15 |
| 76 | 2,0 | 76,1 | 114,0 | 2 | ISC94076 | 23,80 | ISC96076 | 32,20 |
| 101 | 2,0 | 101,6 | 110,0 | 1 | ISC94101 | 40,85 | ISC96101 | 54,10 |


TE AISI 316L

| DN | ESPESES. mm. | DIAM. EXT. mm. | | COD. | € |
|-----|--------------|----------------|---|----------|-------|
| 25 | 1,5 | 25,4 | 4 | ISTL6025 | 13,90 |
| 38 | 1,5 | 38,1 | 4 | ISTL6038 | 18,90 |
| 51 | 1,5 | 50,8 | 2 | ISTL6051 | 24,85 |
| 63 | 1,5 | 63,5 | 1 | ISTL6063 | 35,85 |
| 76 | 2,0 | 76,1 | 1 | ISTL6076 | 51,90 |
| 101 | 2,0 | 101,6 | 1 | ISTL6101 | 87,75 |


REDUCCIÓN CONCÉNTRICA AISI 316L

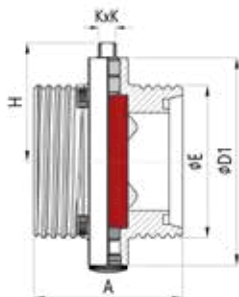
| DN | DIAM. EXT. mm. | | COD. | € |
|----------------|----------------|----|----------|-------|
| DN 38 - DN 25 | 38,1 x 25,4 | 10 | ISR63825 | 9,50 |
| DN 51 - DN 25 | 50,8 x 25,4 | 10 | ISR65125 | 14,25 |
| DN 51 - DN 38 | 50,8 x 38,1 | 10 | ISR65138 | 11,10 |
| DN 63 - DN 38 | 63,5 x 38,1 | 1 | ISR66338 | 16,80 |
| DN 63 - DN 51 | 63,5 x 50,8 | 1 | ISR66351 | 14,25 |
| DN 76 - DN 51 | 76,1 x 50,8 | 1 | ISR67651 | 31,45 |
| DN 76 - DN 63 | 76,1 x 63,5 | 1 | ISR67663 | 25,10 |
| DN 101 - DN 63 | 101,6 x 63,5 | 1 | ISR61063 | 22,45 |
| DN 101 - DN 76 | 101,6 x 76,1 | 1 | ISR61076 | 20,80 |

VÁLVULAS



VÁLVULA DE MARIPOSA ALIMENTARIO DIN 11851 - ROSCAR / ROSCAR

Fabricada en acero inoxidable AISI 304.
Elastómero en EPDM.
Extremos roscados según DIN 11851.
Presión máxima de trabajo: PN 10.
Rango de temperaturas: -20° C a 130° C.

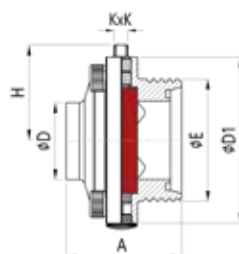


| Ø | H | Ø E | KxK | A | Ø D1 | | COD. | € |
|-----|------|------------|---------|-----|------|------|----------|--------|
| 25 | 50,5 | RD52x1/6" | 8 x 8 | 66 | 78 | 16 1 | IV90E025 | 61,45 |
| 32 | 54,5 | RD58x1/6" | 8 x 8 | 70 | 86 | 16 1 | IV90E032 | 66,90 |
| 40 | 56,0 | RD65x1/6" | 8 x 8 | 74 | 95 | 16 1 | IV90E040 | 75,35 |
| 50 | 64,0 | RD78x1/6" | 8 x 8 | 76 | 108 | 8 1 | IV90E050 | 93,80 |
| 65 | 74,0 | RD95x1/6" | 8 x 8 | 84 | 125 | 8 1 | IV90E065 | 126,40 |
| 80 | 81,5 | RD110x1/4" | 10 x 10 | 90 | 140 | 6 1 | IV90E080 | 164,65 |
| 100 | 91,5 | RD130x1/4" | 10 x 10 | 104 | 160 | 4 1 | IV90E100 | 271,00 |



VÁLVULA DE MARIPOSA ALIMENTARIO DIN 11851 - ROSCAR / SOLDAR

Fabricada en acero inoxidable AISI 304.
Elastómero en EPDM.
Extremos roscados según DIN 11851/soldar.
Presión máxima de trabajo: PN 10.
Rango de temperaturas: -20° C a 130° C.

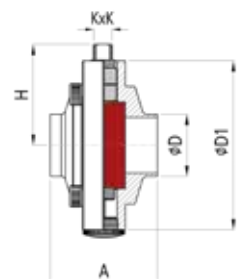


| Ø | H | Ø D | Ø E | KxK | A | Ø D1 | | COD. | € |
|-----|------|-----|------------|---------|----|------|------|----------|--------|
| 25 | 50,5 | 28 | RD52x1/6" | 8 x 8 | 58 | 78 | 16 1 | IV91E025 | 54,45 |
| 32 | 54,5 | 34 | RD58x1/6" | 8 x 8 | 58 | 86 | 16 1 | IV91E032 | 61,55 |
| 40 | 56,0 | 40 | RD65x1/6" | 8 x 8 | 60 | 95 | 16 1 | IV91E040 | 70,05 |
| 50 | 64,0 | 52 | RD78x1/6" | 8 x 8 | 64 | 108 | 12 1 | IV91E050 | 85,35 |
| 65 | 74,0 | 70 | RD95x1/6" | 8 x 8 | 68 | 125 | 8 1 | IV91E065 | 113,75 |
| 80 | 81,5 | 85 | RD110x1/4" | 10 x 10 | 71 | 140 | 8 1 | IV91E080 | 150,30 |
| 100 | 91,5 | 104 | RD130x1/4" | 10 x 10 | 84 | 160 | 4 1 | IV91E100 | 220,65 |



VÁLVULA DE MARIPOSA ALIMENTARIO DIN 11851 - SOLDAR / SOLDAR

Fabricada en acero inoxidable AISI 304.
Elastómero en EPDM.
Extremos soldar / soldar.
Presión máxima de trabajo: PN 10.
Rango de temperaturas: -20° C a 130° C.

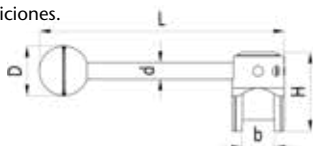


| Ø | H | Ø D | KxK | A | Ø D1 | | COD. | € |
|-----|------|-----|---------|----|------|------|----------|--------|
| 25 | 50,5 | 28 | 8 x 8 | 50 | 78 | 16 1 | IV92E025 | 45,35 |
| 32 | 54,5 | 34 | 8 x 8 | 50 | 86 | 16 1 | IV92E032 | 61,30 |
| 40 | 56,0 | 40 | 8 x 8 | 50 | 95 | 16 1 | IV92E040 | 65,20 |
| 50 | 64,0 | 52 | 8 x 8 | 52 | 108 | 12 1 | IV92E050 | 74,20 |
| 65 | 74,0 | 70 | 8 x 8 | 56 | 125 | 8 1 | IV92E065 | 95,10 |
| 80 | 81,5 | 85 | 10 x 10 | 60 | 140 | 8 1 | IV92E080 | 131,55 |
| 100 | 91,5 | 104 | 10 x 10 | 64 | 160 | 4 1 | IV92E100 | 163,55 |



MANETA PARA VÁLVULA MARIPOSA DIN 11851

Fabricada en acero inoxidable AISI 304.
Accionamiento manual en 3 posiciones.



| Ø | D | d | b | H | L | | COD. | € |
|--------|----|------|------|----|-----|------|----------|-------|
| 25-65 | 32 | 10,5 | 20,2 | 50 | 153 | 60 1 | IV9P0025 | 21,80 |
| 80-100 | 40 | 12,0 | 22,1 | 56 | 203 | 40 1 | IV9P0080 | 26,95 |



JUNTA PARA VÁLVULA MARIPOSA DIN 11851



| Ø | | COD. EPDM | € | COD. NBR | € | COD. SILICONA | € |
|-----|-------|-----------|-------|----------|-------|---------------|-------|
| 25 | 384 2 | IV9GE025 | 4,90 | IV9GN025 | 5,40 | IV9GS025 | 4,90 |
| 32 | 210 2 | IV9GE032 | 5,40 | IV9GN032 | 6,05 | IV9GS032 | 5,40 |
| 40 | 148 2 | IV9GE040 | 6,05 | IV9GN040 | 6,55 | IV9GS040 | 6,05 |
| 50 | 160 2 | IV9GE050 | 7,10 | IV9GN050 | 7,70 | IV9GS050 | 7,10 |
| 65 | 84 2 | IV9GE065 | 8,10 | IV9GN065 | 8,60 | IV9GS065 | 8,10 |
| 80 | 30 2 | IV9GE080 | 10,80 | IV9GN080 | 11,80 | IV9GS080 | 10,80 |
| 100 | 36 2 | IV9GE100 | 15,05 | IV9GN100 | 16,40 | IV9GS100 | 15,05 |



DISCO PARA VÁLVULA MARIPOSA DIN 11851

| Ø | | COD. | € |
|-----|---|----------|-------|
| 25 | 1 | IV9D0025 | 12,65 |
| 32 | 1 | IV9D0032 | 13,40 |
| 40 | 1 | IV9D0040 | 14,35 |
| 50 | 1 | IV9D0050 | 16,80 |
| 65 | 1 | IV9D0065 | 24,75 |
| 80 | 1 | IV9D0080 | 32,65 |
| 100 | 1 | IV9D0100 | 44,60 |

PRESS **FITTING** - PERFIL M

El prensado mecánico es un sistema de montaje de racores a presión muy sencillo y rápido. Encuentra aplicación en los sectores civil, industrial y naval.

Las ventajas del sistema prensado son:

- Confiabilidad y seguridad
- Sin riesgo de incendio durante la instalación
- Alta resistencia a la corrosión.

Los diámetros disponibles de la gama ATUSA comprenden desde 15 mm. a 108 mm., tanto en acero inoxidable 316 como en acero al carbono.





PRESS
FITTING

PRESS
FITTING

ACCESORIO PRESS EN ACERO INOXIDABLE

CURVA 45° H/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|--------|
| 15 | 350 | 10 | P0410015 | 5,20 |
| 18 | 300 | 10 | P0410018 | 6,35 |
| 22 | 150 | 10 | P0410022 | 7,40 |
| 28 | 120 | 5 | P0410028 | 9,05 |
| 35 | 120 | 5 | P0410035 | 10,85 |
| 42 | 80 | 2 | P0410042 | 16,85 |
| 54 | 40 | 2 | P0410054 | 22,20 |
| 76,1 | 12 | 1 | P0410076 | 65,95 |
| 88,9 | 5 | 1 | P0410088 | 77,70 |
| 108 | 2 | 1 | P04100A0 | 102,60 |


CURVA 45° M/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 400 | 10 | P40W0015 | 6,80 |
| 18 | 350 | 10 | P40W0018 | 6,80 |
| 22 | 150 | 10 | P40W0022 | 7,10 |
| 28 | 120 | 5 | P40W0028 | 8,55 |
| 35 | 120 | 5 | P40W0035 | 10,65 |
| 42 | 80 | 2 | P40W0042 | 16,55 |
| 54 | 40 | 2 | P40W0054 | 21,10 |
| 76,1 | 12 | 1 | P40W0076 | 57,00 |
| 88,9 | 5 | 1 | P40W0088 | 72,40 |
| 108 | 2 | 1 | P40W00A0 | 97,85 |


CURVA 90° H/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|--------|
| 15 | 300 | 10 | P0020015 | 4,90 |
| 18 | 250 | 10 | P0020018 | 5,60 |
| 22 | 150 | 10 | P0020022 | 6,25 |
| 28 | 175 | 5 | P0020028 | 8,10 |
| 35 | 100 | 5 | P0020035 | 12,85 |
| 42 | 50 | 2 | P0020042 | 19,95 |
| 54 | 30 | 2 | P0020054 | 27,65 |
| 76,1 | 10 | 1 | P0020076 | 64,90 |
| 88,9 | 5 | 1 | P0020088 | 81,45 |
| 108 | 2 | 1 | P00200A0 | 103,35 |


CURVA 90° M/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|--------|
| 15 | 300 | 10 | P01W0015 | 5,15 |
| 18 | 250 | 10 | P01W0018 | 5,70 |
| 22 | 150 | 10 | P01W0022 | 6,60 |
| 28 | 175 | 5 | P01W0028 | 8,45 |
| 35 | 100 | 5 | P01W0035 | 12,35 |
| 42 | 50 | 2 | P01W0042 | 19,55 |
| 54 | 30 | 2 | P01W0054 | 27,50 |
| 76,1 | 10 | 1 | P01W0076 | 62,65 |
| 88,9 | 5 | 1 | P01W0088 | 76,60 |
| 108 | 2 | 1 | P01W00A0 | 107,25 |


CODO 90° ROSCA MACHO

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 220 | 10 | P92M0153 | 9,75 |
| 18 x 1/2" | 200 | 10 | P92M0183 | 12,50 |
| 22 x 3/4" | 150 | 10 | P92M0224 | 15,75 |
| 28 x 1" | 100 | 5 | P92M0285 | 17,15 |
| 35 x 1 1/4" | 60 | 5 | P92M0356 | 23,95 |


CODO 90° SOLDADO ROSCA MACHO

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 220 | 10 | P93M0153 | 9,75 |
| 18 x 1/2" | 200 | 10 | P93M0183 | 12,50 |
| 22 x 3/4" | 150 | 10 | P93M0224 | 15,75 |
| 28 x 1" | 100 | 5 | P93M0285 | 17,15 |
| 35 x 1 1/4" | 60 | 5 | P93M0356 | 23,95 |
| 42 x 1 1/2" | 30 | 2 | P93M0427 | 34,65 |
| 54 x 2" | 12 | 2 | P93M0548 | 44,00 |


CODO 90° ROSCA HEMBRA


| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 220 | 10 | P92F0153 | 9,75 |
| 18 x 1/2" | 200 | 10 | P92F0183 | 10,85 |
| 22 x 3/4" | 150 | 10 | P92F0224 | 14,75 |
| 35 x 1 1/4" | 60 | 5 | P92F0356 | 28,40 |


CODO 90° SOLDADO ROSCA HEMBRA

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 220 | 10 | P93F0153 | 9,75 |
| 18 x 1/2" | 200 | 10 | P93F0183 | 10,85 |
| 22 x 3/4" | 150 | 10 | P93F0224 | 14,75 |
| 28 x 1/2" | 100 | 5 | P93F0283 | 19,45 |
| 28 x 1" | 80 | 5 | P93F0285 | 17,35 |
| 35 x 1 1/4" | 50 | 5 | P93F0356 | 28,40 |




TE

| Ø mm |  | COD. | € |
|------|---|----------|-------|
| 15 | 250 10 | P130M015 | 8,35 |
| 18 | 200 10 | P130M018 | 9,20 |
| 22 | 120 10 | P130M022 | 10,65 |
| 28 | 75 5 | P130M028 | 12,25 |
| 35 | 75 5 | P130M035 | 15,70 |




TE SOLDADA

| Ø mm |  | COD. | € |
|------|---|----------|--------|
| 15 | 250 10 | P1300015 | 8,35 |
| 18 | 200 10 | P1300018 | 9,20 |
| 22 | 150 10 | P1300022 | 10,65 |
| 28 | 75 5 | P1300028 | 13,05 |
| 35 | 75 5 | P1300035 | 15,70 |
| 42 | 50 2 | P1300042 | 20,65 |
| 54 | 30 2 | P1300054 | 26,40 |
| 76,1 | 10 1 | P1300076 | 112,30 |
| 88,9 | 10 1 | P1300088 | 123,35 |
| 108 | 4 1 | P13000A0 | 149,70 |




TE REDUCIDA

| Ø mm |  | COD. | € |
|--------------------|---|----------|--------|
| 18 x 15 x 18 | 180 10 | P13R1815 | 9,75 |
| 22 x 15 x 22 | 150 10 | P13R2215 | 9,90 |
| 22 x 18 x 22 | 150 10 | P13R2218 | 10,45 |
| 28 x 15 x 28 | 100 5 | P13R2815 | 10,65 |
| 28 x 18 x 28 | 100 5 | P13R2818 | 12,30 |
| 28 x 22 x 28 | 100 5 | P13R2822 | 12,50 |
| 35 x 15 x 35 | 100 5 | P13R3515 | 13,50 |
| 35 x 18 x 35 | 90 5 | P13R3518 | 14,45 |
| 35 x 22 x 35 | 85 5 | P13R3522 | 13,80 |
| 35 x 28 x 35 | 80 5 | P13R3528 | 15,85 |
| 42 x 22 x 42 | 70 2 | P13R4222 | 18,65 |
| 42 x 28 x 42 | 70 2 | P13R4228 | 18,80 |
| 42 x 35 x 42 | 70 2 | P13R4235 | 20,65 |
| 54 x 22 x 54 | 36 2 | P13R5422 | 23,85 |
| 54 x 28 x 54 | 36 2 | P13R5428 | 24,30 |
| 54 x 35 x 54 | 36 2 | P13R5435 | 25,85 |
| 54 x 42 x 54 | 36 2 | P13R5442 | 25,30 |
| 76,1 x 22 x 76,1 | 8 1 | P13R7622 | 87,20 |
| 76,1 x 28 x 76,1 | 8 1 | P13R7628 | 92,70 |
| 76,1 x 35 x 76,1 | 8 1 | P13R7635 | 100,45 |
| 76,1 x 42 x 76,1 | 8 1 | P13R7642 | 105,80 |
| 76,1 x 54 x 76,1 | 8 1 | P13R7654 | 115,95 |
| 88,9 x 22 x 88,9 | 5 1 | P13R8822 | 100,10 |
| 88,9 x 28 x 88,9 | 5 1 | P13R8828 | 105,45 |
| 88,9 x 35 x 88,9 | 5 1 | P13R8835 | 105,45 |
| 88,9 x 42 x 88,9 | 5 1 | P13R8842 | 117,15 |
| 88,9 x 54 x 88,9 | 5 1 | P13R8854 | 117,90 |
| 88,9 x 76,1 x 88,9 | 6 1 | P13R8876 | 127,30 |
| 108 x 22 x 108 | 6 1 | P13RA022 | 112,15 |
| 108 x 28 x 108 | 6 1 | P13RA028 | 113,40 |
| 108 x 35 x 108 | 6 1 | P13RA035 | 112,15 |
| 108 x 42 x 108 | 6 1 | P13RA042 | 136,55 |
| 108 x 54 x 108 | 6 1 | P13RA054 | 142,15 |
| 108 x 76,1 x 108 | 6 1 | P13RA076 | 142,60 |
| 108 x 88,9 x 108 | 5 1 | P13RA088 | 164,85 |




TE ROSCA HEMBRA

| Ø mm |  | COD. | € |
|----------------|---|----------|-------|
| 15 x 1/2" x 15 | 250 10 | P136M153 | 11,60 |
| 22 x 1/2" x 22 | 150 10 | P136M223 | 11,20 |
| 22 x 3/4" x 22 | 150 10 | P136M224 | 14,25 |
| 28 x 1/2" x 28 | 75 5 | P136M283 | 13,75 |
| 28 x 3/4" x 28 | 75 5 | P136M284 | 18,35 |
| 35 x 1/2" x 35 | 75 5 | P136M353 | 20,70 |
| 35 x 3/4" x 35 | 75 5 | P136M354 | 19,85 |



TE SOLDADA ROSCA HEMBRA

| Ø mm |  | COD. | € |
|--------------------|---|----------|--------|
| 15 x 1/2" x 15 | 250 10 | P1360153 | 11,60 |
| 18 x 1/2" x 18 | 200 10 | P1360183 | 11,80 |
| 18 x 3/4" x 18 | 200 10 | P1360184 | 12,75 |
| 22 x 1/2" x 22 | 150 10 | P1360223 | 11,20 |
| 22 x 3/4" x 22 | 150 10 | P1360224 | 14,25 |
| 28 x 1/2" x 28 | 75 5 | P1360283 | 13,75 |
| 28 x 3/4" x 28 | 75 5 | P1360284 | 18,35 |
| 35 x 1/2" x 35 | 75 5 | P1360353 | 20,70 |
| 35 x 3/4" x 35 | 75 5 | P1360354 | 19,85 |
| 42 x 1/2" x 42 | 50 2 | P1360423 | 21,40 |
| 42 x 3/4" x 42 | 50 2 | P1360424 | 20,55 |
| 54 x 1/2" x 54 | 30 2 | P1360543 | 24,70 |
| 54 x 3/4" x 54 | 30 2 | P1360544 | 25,65 |
| 54 x 2" x 54 | 30 2 | P1360548 | 43,75 |
| 76,1 x 3/4" x 76,1 | 10 1 | P1360764 | 95,50 |
| 76,1 x 2" x 76,1 | 10 1 | P1360768 | 105,35 |
| 88,9 x 3/4" x 88,9 | 10 1 | P1360884 | 104,40 |
| 88,9 x 2" x 88,9 | 10 1 | P1360888 | 109,90 |
| 108 x 3/4" x 108 | 6 1 | P1360A04 | 135,15 |
| 108 x 2" x 108 | 4 1 | P1360A08 | 140,70 |


MANGUITO REDUCIDO

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 18 x 15 | 500 | 10 | P2401815 | 4,25 |
| 22 x 15 | 350 | 10 | P2402215 | 5,85 |
| 22 x 18 | 300 | 10 | P2402218 | 5,10 |
| 28 x 15 | 250 | 5 | P2402815 | 7,45 |
| 28 x 18 | 250 | 5 | P2402818 | 7,45 |
| 28 x 22 | 250 | 5 | P2402822 | 6,05 |
| 35 x 15 | 150 | 5 | P2403515 | 17,45 |
| 35 x 18 | 150 | 5 | P2403518 | 17,45 |
| 35 x 22 | 150 | 5 | P2403522 | 7,55 |
| 35 x 28 | 125 | 5 | P2403528 | 7,55 |
| 42 x 15 | 100 | 2 | P2404215 | 25,65 |
| 42 x 18 | 100 | 2 | P2404218 | 19,45 |
| 42 x 22 | 100 | 2 | P2404222 | 17,00 |
| 42 x 28 | 100 | 2 | P2404228 | 18,05 |
| 42 x 35 | 100 | 2 | P2404235 | 10,40 |
| 54 x 15 | 100 | 2 | P2405415 | 24,35 |
| 54 x 18 | 100 | 2 | P2405418 | 27,95 |
| 54 x 22 | 100 | 2 | P2405422 | 19,55 |
| 54 x 28 | 100 | 2 | P2405428 | 20,65 |
| 54 x 35 | 100 | 2 | P2405435 | 25,90 |
| 54 x 42 | 100 | 2 | P2405442 | 13,25 |
| 76,1 x 42 | 25 | 1 | P2407642 | 43,15 |
| 76,1 x 54 | 25 | 1 | P2407654 | 38,45 |
| 88,9 x 54 | 15 | 1 | P2408854 | 42,65 |
| 88,9 x 76,1 | 15 | 1 | P2408876 | 49,35 |
| 108 x 54 | 10 | 1 | P240A054 | 57,95 |
| 108 x 76,1 | 10 | 1 | P240A076 | 75,85 |
| 108 x 88,9 | 10 | 1 | P240A088 | 63,45 |


MANGUITO

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 500 | 10 | P2700015 | 4,00 |
| 18 | 400 | 10 | P2700018 | 4,00 |
| 22 | 300 | 10 | P2700022 | 4,35 |
| 28 | 300 | 5 | P2700028 | 4,85 |
| 35 | 100 | 5 | P2700035 | 6,65 |
| 42 | 70 | 2 | P2700042 | 8,75 |
| 54 | 70 | 2 | P2700054 | 10,85 |
| 76,1 | 22 | 1 | P2700076 | 38,95 |
| 88,9 | 12 | 1 | P2700088 | 44,10 |
| 108 | 5 | 1 | P27000A0 | 61,65 |


MANGUITO PASANTE

| Ø mm | | | COD. | € |
|------|-----|----|----------|--------|
| 15 | 350 | 10 | P27L0015 | 5,95 |
| 18 | 300 | 10 | P27L0018 | 6,50 |
| 22 | 180 | 10 | P27L0022 | 8,30 |
| 28 | 250 | 5 | P27L0028 | 10,05 |
| 35 | 120 | 5 | P27L0035 | 12,00 |
| 42 | 70 | 2 | P27L0042 | 13,25 |
| 54 | 60 | 2 | P27L0054 | 19,40 |
| 76,1 | 12 | 1 | P27L0076 | 103,35 |
| 88,9 | 9 | 1 | P27L0088 | 117,00 |
| 108 | 5 | 1 | P27L00A0 | 141,90 |


RACOR 2 PZ. CON JUNTA PLANA

| Ø mm | | | COD. | € |
|---------------|-----|----|----------|-------|
| 15 x 1/2" | 300 | 10 | P27N0153 | 12,50 |
| 15 x 3/4" | 300 | 10 | P27N0154 | 16,20 |
| 18 x 1/2" | 200 | 10 | P27N0183 | 13,95 |
| 18 x 3/4" | 200 | 10 | P27N0184 | 11,00 |
| 22 x 1" | 150 | 10 | P27N0225 | 14,75 |
| 28 x 1 1/4" | 100 | 5 | P27N0286 | 14,65 |
| 35 x 1 1/2" | 80 | 5 | P27N0357 | 38,00 |
| 76,1 x 2 1/2" | 15 | 1 | P27N0769 | 75,85 |


UNION 3 PZ. CON ASIENTO CÓNICO

| Ø mm | | | COD. | € |
|------|-----|---|----------|-------|
| 15 | 200 | 5 | P3300015 | 23,25 |
| 18 | 150 | 5 | P3300018 | 23,25 |
| 22 | 100 | 5 | P3300022 | 29,65 |
| 28 | 75 | 2 | P3300028 | 37,75 |
| 35 | 50 | 2 | P3300035 | 50,15 |
| 42 | 30 | 2 | P3300042 | 92,25 |
| 54 | 20 | 2 | P3300054 | 92,25 |


CODO PLACA SOLDADO ROSCA HEMBRA

| Ø mm | | | COD. | € |
|-----------|-----|----|----------|-------|
| 15 x 1/2" | 200 | 10 | P92E0153 | 10,50 |
| 18 x 1/2" | 150 | 10 | P92E0183 | 12,20 |
| 22 x 3/4" | 120 | 10 | P92E0224 | 15,80 |
| 28 x 1" | 75 | 5 | P92E0285 | 15,60 |


TAPÓN

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 500 | 10 | P3000015 | 7,55 |
| 18 | 400 | 10 | P3000018 | 8,55 |
| 22 | 300 | 10 | P3000022 | 9,30 |
| 28 | 200 | 5 | P3000028 | 11,45 |
| 35 | 100 | 5 | P3000035 | 13,00 |
| 42 | 80 | 2 | P3000042 | 17,15 |
| 54 | 60 | 2 | P3000054 | 22,50 |
| 76,1 | 25 | 1 | P3000076 | 43,75 |
| 88,9 | 15 | 1 | P3000088 | 49,70 |
| 108 | 10 | 1 | P30000A0 | 68,70 |



RACOR 3 PZ. ROSCA MACHO

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 200 | 10 | P33M0153 | 20,20 |
| 15 x 3/4" | 200 | 10 | P33M0154 | 24,65 |
| 18 x 1/2" | 150 | 10 | P33M0183 | 21,55 |
| 18 x 3/4" | 150 | 10 | P33M0184 | 30,75 |
| 22 x 1/2" | 100 | 5 | P33M0223 | 31,25 |
| 22 x 3/4" | 100 | 5 | P33M0224 | 30,00 |
| 22 x 1" | 100 | 5 | P33M0225 | 33,20 |
| 28 x 1" | 75 | 5 | P33M0285 | 36,35 |
| 35 x 1 1/4" | 50 | 5 | P33M0356 | 46,65 |
| 42 x 1 1/2" | 30 | 2 | P33M0427 | 48,65 |
| 54 x 2" | 20 | 2 | P33M0548 | 83,80 |



RACOR 3 PZ. ROSCA HEMBRA

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 200 | 10 | P33F0153 | 20,10 |
| 18 x 1/2" | 150 | 10 | P33F0183 | 25,70 |
| 22 x 3/4" | 100 | 5 | P33F0224 | 31,60 |
| 28 x 1" | 75 | 5 | P33F0285 | 33,35 |
| 35 x 1 1/4" | 50 | 5 | P33F0356 | 44,60 |
| 42 x 1 1/2" | 30 | 2 | P33F0427 | 46,90 |
| 54 x 2" | 20 | 2 | P33F0548 | 84,85 |



UNION ROSCA MACHO

| Ø mm | | | COD. | € |
|---------------|-----|----|----------|--------|
| 15 x 3/8" | 300 | 10 | P27M0152 | 7,40 |
| 15 x 1/2" | 300 | 10 | P27M0153 | 6,65 |
| 15 x 3/4" | 300 | 10 | P27M0154 | 7,85 |
| 18 x 1/2" | 250 | 10 | P27M0183 | 8,15 |
| 18 x 3/4" | 250 | 10 | P27M0184 | 8,50 |
| 22 x 1/2" | 250 | 10 | P27M0223 | 7,65 |
| 22 x 3/4" | 200 | 10 | P27M0224 | 9,75 |
| 22 x 1" | 200 | 10 | P27M0225 | 10,70 |
| 28 x 3/4" | 150 | 5 | P27M0284 | 12,15 |
| 28 x 1" | 120 | 5 | P27M0285 | 13,60 |
| 28 x 1 1/4" | 100 | 5 | P27M0286 | 16,85 |
| 35 x 1" | 100 | 5 | P27M0355 | 15,45 |
| 35 x 1 1/4" | 100 | 5 | P27M0356 | 16,75 |
| 35 x 1 1/2" | 100 | 5 | P27M0357 | 22,05 |
| 42 x 1 1/4" | 60 | 2 | P27M0426 | 21,50 |
| 42 x 1 1/2" | 50 | 2 | P27M0427 | 22,05 |
| 54 x 1 1/2" | 40 | 2 | P27M0547 | 26,70 |
| 54 x 2" | 30 | 2 | P27M0548 | 29,05 |
| 76,1 x 2 1/2" | 12 | 1 | P27M0769 | 96,90 |
| 88,9 x 3" | 10 | 1 | P27M099B | 108,60 |



UNION ROSCA HEMBRA

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 300 | 10 | P27F0153 | 8,15 |
| 15 x 3/4" | 300 | 10 | P27F0154 | 8,70 |
| 18 x 1/2" | 250 | 10 | P27F0183 | 8,60 |
| 18 x 3/4" | 250 | 10 | P27F0184 | 8,85 |
| 22 x 1/2" | 200 | 10 | P27F0223 | 9,00 |
| 22 x 3/4" | 200 | 10 | P27F0224 | 10,50 |
| 22 x 1" | 200 | 10 | P27F0225 | 12,30 |
| 28 x 3/4" | 125 | 5 | P27F0284 | 11,90 |
| 28 x 1" | 120 | 5 | P27F0285 | 15,75 |
| 28 x 1 1/4" | 100 | 5 | P27F0286 | 19,05 |
| 35 x 1" | 100 | 5 | P27F0355 | 16,50 |
| 35 x 1 1/4" | 100 | 5 | P27F0356 | 17,45 |
| 35 x 1 1/2" | 100 | 5 | P27F0357 | 22,80 |
| 42 x 1 1/4" | 60 | 2 | P27F0426 | 19,10 |
| 42 x 1 1/2" | 50 | 2 | P27F0427 | 24,80 |
| 54 x 1 1/2" | 40 | 2 | P27F0547 | 28,10 |
| 54 x 2" | 30 | 2 | P27F0548 | 37,65 |


CURVA DESVIO

| Ø mm | | COD. | € |
|------|--------|----------|-------|
| 15 | 250 10 | P0860015 | 13,50 |
| 18 | 200 10 | P0860018 | 13,80 |
| 22 | 150 10 | P0860022 | 15,90 |


CURVA DE AJUSTE 15°

| Ø mm | | COD. | € |
|------|------|----------|-------|
| 28 | 90 5 | PE150028 | 12,20 |
| 35 | 65 5 | PE150035 | 15,15 |
| 42 | 30 2 | PE150042 | 26,00 |
| 54 | 26 2 | PE150054 | 31,55 |


CURVA DE AJUSTE 30°

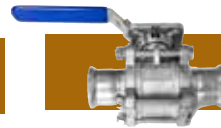
| Ø mm | | COD. | € |
|------|------|----------|-------|
| 28 | 80 5 | PE300028 | 10,95 |
| 35 | 60 5 | PE300035 | 20,80 |
| 42 | 28 2 | PE300042 | 27,50 |
| 54 | 24 2 | PE300054 | 34,20 |


CURVA DE AJUSTE 60°

| Ø mm | | COD. | € |
|------|------|----------|-------|
| 28 | 80 5 | PE600028 | 12,20 |
| 35 | 55 5 | PE600035 | 22,10 |
| 42 | 26 2 | PE600042 | 28,30 |
| 54 | 22 2 | PE600054 | 37,15 |


CURVA DE AJUSTE 90°

| Ø mm | | COD. | € |
|------|--------|----------|-------|
| 15 | 150 10 | PE900015 | 8,45 |
| 18 | 120 10 | PE900018 | 9,05 |
| 22 | 100 10 | PE900022 | 9,55 |
| 28 | 75 5 | PE900028 | 11,15 |
| 35 | 50 5 | PE900035 | 17,60 |
| 42 | 24 2 | PE900042 | 22,90 |
| 54 | 20 2 | PE900054 | 29,20 |


VÁLVULA ESFERA PASO TOTAL

| Ø mm | | COD. | € |
|------|-----|----------|-----------|
| 35 | 1 1 | PV300035 | Consultar |
| 42 | 1 1 | PV300042 | Consultar |
| 54 | 1 1 | PV300054 | Consultar |
| 76,1 | 1 1 | PV300076 | Consultar |
| 88,9 | 1 1 | PV300088 | Consultar |
| 108 | 1 1 | PV3000A0 | Consultar |


BRIDA PN 16

| Ø mm | | COD. | € |
|------|-----|----------|--------|
| 15 | 1 1 | P3200015 | 42,85 |
| 18 | 1 1 | P3200018 | 44,85 |
| 22 | 1 1 | P3200022 | 50,20 |
| 28 | 1 1 | P3200028 | 67,00 |
| 35 | 1 1 | P3200035 | 89,20 |
| 42 | 1 1 | P3200042 | 79,75 |
| 54 | 1 1 | P3200054 | 105,20 |
| 76,1 | 1 1 | P3200076 | 153,35 |
| 88,9 | 1 1 | P3200088 | 178,50 |
| 108 | 1 1 | P32000A0 | 207,30 |

ACCESORIO PRESS EN ACERO CARBONO

CURVA 45° H/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 350 | 10 | Q0410015 | 3,95 |
| 18 | 300 | 10 | Q0410018 | 4,15 |
| 22 | 150 | 10 | Q0410022 | 4,25 |
| 28 | 120 | 5 | Q0410028 | 5,65 |
| 35 | 120 | 5 | Q0410035 | 10,60 |
| 42 | 80 | 2 | Q0410042 | 13,25 |
| 54 | 40 | 2 | Q0410054 | 15,25 |
| 76,1 | 12 | 1 | Q0410076 | 31,50 |
| 88,9 | 5 | 1 | Q0410088 | 43,80 |
| 108 | 2 | 1 | Q04100A0 | 57,80 |


CURVA 45° M/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 400 | 10 | Q40W0015 | 3,70 |
| 18 | 350 | 10 | Q40W0018 | 3,90 |
| 22 | 150 | 10 | Q40W0022 | 4,00 |
| 28 | 120 | 5 | Q40W0028 | 5,50 |
| 35 | 120 | 5 | Q40W0035 | 10,20 |
| 42 | 80 | 2 | Q40W0042 | 13,30 |
| 54 | 40 | 2 | Q40W0054 | 16,05 |
| 76,1 | 12 | 1 | Q40W0076 | 29,85 |
| 88,9 | 5 | 1 | Q40W0088 | 44,85 |
| 108 | 2 | 1 | Q40W00A0 | 58,10 |


CURVA 90° H/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 300 | 10 | Q0020015 | 3,60 |
| 18 | 250 | 10 | Q0020018 | 3,95 |
| 22 | 150 | 10 | Q0020022 | 4,40 |
| 28 | 175 | 5 | Q0020028 | 5,45 |
| 35 | 100 | 5 | Q0020035 | 11,95 |
| 42 | 50 | 2 | Q0020042 | 18,30 |
| 54 | 30 | 2 | Q0020054 | 21,00 |
| 76,1 | 10 | 1 | Q0020076 | 33,70 |
| 88,9 | 5 | 1 | Q0020088 | 46,50 |
| 108 | 2 | 1 | Q00200A0 | 68,75 |


CURVA 90° M/H

| Ø mm | | | COD. | € |
|------|-----|----|----------|-------|
| 15 | 300 | 10 | Q01W0015 | 3,45 |
| 18 | 250 | 10 | Q01W0018 | 3,90 |
| 22 | 150 | 10 | Q01W0022 | 4,20 |
| 28 | 175 | 5 | Q01W0028 | 5,25 |
| 35 | 100 | 5 | Q01W0035 | 11,05 |
| 42 | 50 | 2 | Q01W0042 | 18,60 |
| 54 | 30 | 2 | Q01W0054 | 21,90 |
| 76,1 | 10 | 1 | Q01W0076 | 34,05 |
| 88,9 | 5 | 1 | Q01W0088 | 53,40 |
| 108 | 2 | 1 | Q01W00A0 | 68,80 |


CURVA 90° ROSCA MACHO

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 3/8" | 250 | 10 | Q0010152 | 10,20 |
| 15 x 1/2" | 250 | 10 | Q0010153 | 10,35 |
| 18 x 1/2" | 200 | 10 | Q0010183 | 11,40 |
| 22 x 3/4" | 100 | 10 | Q0010224 | 13,15 |
| 28 x 1" | 75 | 5 | Q0010285 | 16,35 |
| 35 x 1 1/4" | 30 | 5 | Q0010356 | 25,05 |
| 42 x 1 1/2" | 20 | 2 | Q0010427 | 39,15 |
| 54 x 2" | 12 | 2 | Q0010548 | 51,25 |


TE

| Ø mm | | | COD. | € |
|------|-----|----|----------|--------|
| 15 | 250 | 10 | Q1300015 | 7,05 |
| 18 | 180 | 10 | Q1300018 | 7,30 |
| 22 | 120 | 10 | Q1300022 | 7,75 |
| 28 | 100 | 5 | Q1300028 | 9,15 |
| 35 | 75 | 5 | Q1300035 | 15,45 |
| 42 | 50 | 2 | Q1300042 | 22,75 |
| 54 | 30 | 2 | Q1300054 | 25,60 |
| 76,1 | 8 | 1 | Q1300076 | 69,30 |
| 88,9 | 5 | 1 | Q1300088 | 79,50 |
| 108 | 4 | 1 | Q13000A0 | 102,20 |


TE ROSCA HEMBRA

| Ø mm | | COD. | € |
|--------------------|--------|----------|--------|
| 15 x 1/2" x 15 | 250 10 | Q1360153 | 11,15 |
| 18 x 1/2" x 18 | 200 10 | Q1360183 | 11,30 |
| 18 x 3/4" x 18 | 200 10 | Q1360184 | 8,70 |
| 22 x 1/2" x 22 | 150 10 | Q1360223 | 10,75 |
| 22 x 3/4" x 22 | 150 10 | Q1360224 | 13,95 |
| 28 x 1/2" x 28 | 75 5 | Q1360283 | 12,65 |
| 28 x 3/4" x 28 | 75 5 | Q1360284 | 12,80 |
| 35 x 1/2" x 35 | 75 5 | Q1360353 | 14,30 |
| 35 x 3/4" x 35 | 75 5 | Q1360354 | 18,70 |
| 42 x 1/2" x 42 | 50 2 | Q1360423 | 21,85 |
| 42 x 3/4" x 42 | 50 2 | Q1360424 | 24,10 |
| 54 x 1/2" x 54 | 30 2 | Q1360543 | 24,05 |
| 54 x 3/4" x 54 | 30 2 | Q1360544 | 25,35 |
| 76,1 x 3/4" x 76,1 | 10 1 | Q1360764 | 74,20 |
| 88,9 x 3/4" x 88,9 | 10 1 | Q1360884 | 89,25 |
| 108 x 3/4" x 108 | 6 1 | Q1360A04 | 115,80 |


TE REDUCIDA

| Ø mm | | COD. | € |
|--------------------|--------|----------|--------|
| 18 x 15 x 18 | 180 10 | Q13R1815 | 8,10 |
| 22 x 15 x 22 | 150 10 | Q13R2215 | 8,25 |
| 22 x 18 x 22 | 150 10 | Q13R2218 | 8,90 |
| 28 x 15 x 28 | 100 5 | Q13R2815 | 11,20 |
| 28 x 18 x 28 | 100 5 | Q13R2818 | 10,90 |
| 28 x 22 x 28 | 100 5 | Q13R2822 | 12,20 |
| 35 x 15 x 35 | 100 5 | Q13R3515 | 15,50 |
| 35 x 18 x 35 | 90 5 | Q13R3518 | 16,80 |
| 35 x 22 x 35 | 85 5 | Q13R3522 | 16,90 |
| 35 x 28 x 35 | 80 5 | Q13R3528 | 17,20 |
| 42 x 22 x 42 | 70 2 | Q13R4222 | 21,45 |
| 42 x 28 x 42 | 70 2 | Q13R4228 | 22,00 |
| 42 x 35 x 42 | 70 2 | Q13R4235 | 23,30 |
| 54 x 22 x 54 | 36 2 | Q13R5422 | 25,30 |
| 54 x 28 x 54 | 36 2 | Q13R5428 | 26,20 |
| 54 x 35 x 54 | 36 2 | Q13R5435 | 26,45 |
| 54 x 42 x 54 | 36 2 | Q13R5442 | 27,90 |
| 76,1 x 22 x 76,1 | 8 1 | Q13R7622 | 61,60 |
| 76,1 x 28 x 76,1 | 8 1 | Q13R7628 | 62,75 |
| 76,1 x 35 x 76,1 | 8 1 | Q13R7635 | 62,75 |
| 76,1 x 42 x 76,1 | 8 1 | Q13R7642 | 63,85 |
| 76,1 x 54 x 76,1 | 8 1 | Q13R7654 | 68,05 |
| 88,9 x 28 x 88,9 | 5 1 | Q13R8828 | 82,45 |
| 88,9 x 35 x 88,9 | 5 1 | Q13R8835 | 84,00 |
| 88,9 x 42 x 88,9 | 5 1 | Q13R8842 | 78,55 |
| 88,9 x 54 x 88,9 | 5 1 | Q13R8854 | 76,60 |
| 88,9 x 76,1 x 88,9 | 5 1 | Q13R8876 | 88,15 |
| 108 x 28 x 108 | 6 1 | Q13RA028 | 103,55 |
| 108 x 35 x 108 | 6 1 | Q13RA035 | 106,25 |
| 108 x 42 x 108 | 6 1 | Q13RA042 | 105,40 |
| 108 x 54 x 108 | 6 1 | Q13RA054 | 103,20 |
| 108 x 76,1 x 108 | 6 1 | Q13RA076 | 102,85 |
| 108 x 88,9 x 108 | 5 1 | Q13RA088 | 98,90 |


RACOR 2 PZ. CON JUNTA PLANA

| Ø mm | | COD. | € |
|-------------|--------|----------|-------|
| 15 x 3/4" | 300 10 | Q27N0154 | 8,60 |
| 18 x 3/4" | 200 10 | Q27N0184 | 8,85 |
| 22 x 1" | 150 10 | Q27N0225 | 9,85 |
| 28 x 1 1/4" | 100 5 | Q27N0286 | 12,25 |
| 35 x 1 1/2" | 80 5 | Q27N0357 | 17,40 |
| 42 x 1 3/4" | 50 2 | Q27N042U | 36,50 |
| 54 x 2 3/8" | 30 2 | Q27N054T | 41,10 |


MANGUITO


| Ø mm | | COD. | € |
|------|--------|----------|-------|
| 15 | 500 10 | Q2700015 | 3,05 |
| 18 | 400 10 | Q2700018 | 3,40 |
| 22 | 300 10 | Q2700022 | 3,35 |
| 28 | 300 5 | Q2700028 | 3,80 |
| 35 | 100 5 | Q2700035 | 6,75 |
| 42 | 70 2 | Q2700042 | 8,00 |
| 54 | 70 2 | Q2700054 | 8,95 |
| 76,1 | 22 1 | Q2700076 | 23,50 |
| 88,9 | 12 1 | Q2700088 | 25,60 |
| 108 | 8 1 | Q27000A0 | 42,40 |


MANGUITO PASANTE

| Ø mm | | COD. | € |
|------|--------|----------|-------|
| 15 | 350 10 | Q27L0015 | 3,30 |
| 18 | 300 10 | Q27L0018 | 3,80 |
| 22 | 180 10 | Q27L0022 | 3,95 |
| 28 | 250 5 | Q27L0028 | 5,00 |
| 35 | 120 5 | Q27L0035 | 9,20 |
| 42 | 70 2 | Q27L0042 | 10,60 |
| 54 | 60 2 | Q27L0054 | 11,70 |
| 76,1 | 12 1 | Q27L0076 | 36,25 |
| 88,9 | 9 1 | Q27L0088 | 43,20 |
| 108 | 5 1 | Q27L00A0 | 48,20 |




MANGUITO REDUCIDO

| Ø mm |  | | COD. | € |
|-------------|---|----|----------|-------|
| 18 x 15 | 500 | 10 | Q2401815 | 3,35 |
| 22 x 15 | 350 | 10 | Q2402215 | 3,50 |
| 22 x 18 | 300 | 10 | Q2402218 | 3,60 |
| 28 x 15 | 250 | 5 | Q2402815 | 4,80 |
| 28 x 18 | 250 | 5 | Q2402818 | 4,70 |
| 28 x 22 | 250 | 5 | Q2402822 | 4,00 |
| 35 x 15 | 150 | 5 | Q2403515 | 9,85 |
| 35 x 18 | 150 | 5 | Q2403518 | 10,05 |
| 35 x 22 | 150 | 5 | Q2403522 | 6,15 |
| 35 x 28 | 125 | 5 | Q2403528 | 4,55 |
| 42 x 18 | 100 | 5 | Q2404218 | 12,80 |
| 42 x 22 | 100 | 5 | Q2404222 | 12,45 |
| 42 x 28 | 100 | 2 | Q2404228 | 10,30 |
| 42 x 35 | 100 | 2 | Q2404235 | 8,35 |
| 54 x 18 | 100 | 2 | Q2405418 | 19,70 |
| 54 x 22 | 100 | 2 | Q2405422 | 24,65 |
| 54 x 28 | 100 | 2 | Q2405428 | 20,35 |
| 54 x 35 | 100 | 2 | Q2405435 | 21,35 |
| 54 x 42 | 100 | 2 | Q2405442 | 13,75 |
| 76,1 x 42 | 25 | 1 | Q2407642 | 34,55 |
| 76,1 x 54 | 25 | 1 | Q2407654 | 28,40 |
| 88,9 x 54 | 15 | 1 | Q2408854 | 33,95 |
| 88,9 x 76,1 | 15 | 1 | Q2408876 | 38,85 |
| 108 x 54 | 10 | 1 | Q240A054 | 70,75 |
| 108 x 76,1 | 10 | 1 | Q240A076 | 42,95 |
| 108 x 88,9 | 10 | 1 | Q240A088 | 52,60 |




TAPÓN

| Ø mm |  | | COD. | € |
|---------|---|----|----------|-------|
| 15 | 500 | 10 | Q3000015 | 4,80 |
| 18 | 400 | 10 | Q3000018 | 5,25 |
| 22 | 300 | 10 | Q3000022 | 5,50 |
| 28 | 200 | 5 | Q3000028 | 6,65 |
| 35 | 100 | 5 | Q3000035 | 7,90 |
| 42 | 80 | 2 | Q3000042 | 11,95 |
| 54 | 60 | 2 | Q3000054 | 14,65 |
| 76,1 | 25 | 1 | Q3000076 | 25,20 |
| 88,9 | 15 | 1 | Q3000088 | 30,80 |
| 108 | 10 | 1 | Q3000A0 | 48,95 |




BRIDA PN 16

| Ø mm |  | | COD. | € |
|---------|---|---|----------|--------|
| 22 | 1 | 1 | Q3200022 | 37,55 |
| 28 | 1 | 1 | Q3200028 | 41,95 |
| 35 | 1 | 1 | Q3200035 | 53,05 |
| 42 | 1 | 1 | Q3200042 | 63,50 |
| 54 | 1 | 1 | Q3200054 | 69,25 |
| 76,1 | 1 | 1 | Q3200076 | 85,45 |
| 88,9 | 1 | 1 | Q3200088 | 90,70 |
| 108 | 1 | 1 | Q3200A0 | 130,10 |




RACOR 3 PZ. ROSCA MACHO

| Ø mm |  | | COD. | € |
|-------------|---|----|----------|--------|
| 15 x 1/2" | 200 | 10 | Q33M0153 | 16,40 |
| 15 x 3/4" | 200 | 10 | Q33M0154 | 18,65 |
| 18 x 1/2" | 150 | 10 | Q33M0183 | 18,55 |
| 18 x 3/4" | 150 | 10 | Q33M0184 | 20,95 |
| 22 x 1/2" | 100 | 10 | Q33M0223 | 21,35 |
| 22 x 3/4" | 100 | 10 | Q33M0224 | 20,95 |
| 22 x 1" | 100 | 10 | Q33M0225 | 25,70 |
| 28 x 1" | 75 | 5 | Q33M0285 | 24,65 |
| 35 x 1 1/4" | 50 | 5 | Q33M0356 | 32,40 |
| 42 x 1 1/2" | 30 | 2 | Q33M0427 | 50,50 |
| 54 x 2" | 20 | 2 | Q33M0548 | 115,85 |



RACOR 3 PZ. ROSCA HEMBRA

| Ø mm |  | | COD. | € |
|-------------|---|----|----------|-------|
| 15 x 1/2" | 200 | 10 | Q33F0153 | 17,35 |
| 18 x 1/2" | 150 | 10 | Q33F0183 | 18,05 |
| 22 x 3/4" | 100 | 10 | Q33F0224 | 21,75 |
| 22 x 1" | 100 | 10 | Q33F0225 | 25,80 |
| 28 x 1" | 75 | 5 | Q33F0285 | 31,55 |
| 35 x 1 1/4" | 50 | 5 | Q33F0356 | 40,60 |
| 42 x 1 1/2" | 30 | 2 | Q33F0427 | 68,05 |
| 54 x 2" | 20 | 2 | Q33F0548 | 80,50 |


ENTRONQUE ROSCA MACHO

| Ø mm | | | COD. | € |
|---------------|-----|----|----------|--------|
| 15 x 3/8" | 300 | 10 | Q27M0152 | 6,35 |
| 15 x 1/2" | 300 | 10 | Q27M0153 | 6,35 |
| 15 x 3/4" | 300 | 10 | Q27M0154 | 7,90 |
| 18 x 1/2" | 250 | 10 | Q27M0183 | 7,05 |
| 18 x 3/4" | 250 | 10 | Q27M0184 | 7,95 |
| 22 x 1/2" | 250 | 10 | Q27M0223 | 6,90 |
| 22 x 3/4" | 200 | 10 | Q27M0224 | 7,80 |
| 22 x 1" | 200 | 10 | Q27M0225 | 9,70 |
| 28 x 3/4" | 150 | 5 | Q27M0284 | 9,40 |
| 28 x 1" | 120 | 5 | Q27M0285 | 9,75 |
| 35 x 1" | 100 | 5 | Q27M0355 | 12,80 |
| 35 x 1 1/4" | 100 | 5 | Q27M0356 | 13,25 |
| 35 x 1 1/2" | 100 | 5 | Q27M0357 | 14,50 |
| 42 x 1 1/4" | 60 | 2 | Q27M0426 | 20,30 |
| 42 x 1 1/2" | 50 | 2 | Q27M0427 | 15,50 |
| 54 x 2" | 30 | 2 | Q27M0548 | 21,65 |
| 76,1 x 2 1/2" | 12 | 1 | Q27M0769 | 67,45 |
| 88,9 x 3" | 10 | 1 | Q27M099B | 99,35 |
| 108 x 4" | 5 | 1 | Q27MA00D | 100,70 |


ENTRONQUE ROSCA HEMBRA

| Ø mm | | | COD. | € |
|-------------|-----|----|----------|-------|
| 15 x 1/2" | 350 | 10 | Q27F0153 | 7,30 |
| 18 x 1/2" | 300 | 10 | Q27F0183 | 7,25 |
| 18 x 3/4" | 250 | 10 | Q27F0184 | 8,60 |
| 22 x 1/2" | 200 | 10 | Q27F0223 | 8,75 |
| 22 x 3/4" | 200 | 10 | Q27F0224 | 8,85 |
| 22 x 1" | 200 | 10 | Q27F0225 | 10,50 |
| 28 x 3/4" | 125 | 5 | Q27F0284 | 11,15 |
| 28 x 1" | 150 | 5 | Q27F0285 | 10,65 |
| 35 x 1" | 60 | 5 | Q27F0355 | 12,30 |
| 35 x 1 1/4" | 75 | 5 | Q27F0356 | 10,90 |
| 42 x 1 1/2" | 50 | 2 | Q27F0427 | 18,20 |
| 54 x 2" | 30 | 2 | Q27F0548 | 21,65 |


ADAPTADOR HEMBRA

| Ø mm | | | COD. | € |
|-----------|-----|----|----------|------|
| 15 x 1/2" | 350 | 10 | Q60F0153 | 4,55 |
| 18 x 1/2" | 300 | 10 | Q60F0183 | 4,85 |
| 22 x 1/2" | 200 | 10 | Q60F0223 | 5,40 |
| 18 x 3/4" | 300 | 10 | Q60F0184 | 5,45 |
| 22 x 3/4" | 200 | 10 | Q60F0224 | 6,60 |


ADAPTADOR MACHO

| Ø mm | | | COD. | € |
|-----------|-----|----|----------|------|
| 15 x 1/2" | 350 | 10 | Q60M0153 | 5,30 |
| 18 x 1/2" | 300 | 10 | Q60M0183 | 5,60 |
| 15 x 3/4" | 350 | 10 | Q60M0154 | 6,55 |
| 18 x 3/4" | 300 | 10 | Q60M0184 | 6,25 |
| 22 x 3/4" | 200 | 10 | Q60M0224 | 7,80 |


SALTATUBOS ASIMÉTRICO

| Ø mm | | | COD. | € |
|------|-----|----|----------|------|
| 15 | 200 | 10 | Q0850015 | 5,25 |
| 18 | 150 | 10 | Q0850018 | 5,05 |
| 22 | 100 | 10 | Q0850022 | 6,55 |
| 28 | 80 | 5 | Q0850028 | 7,15 |



CURVA DE AJUSTE 90°

| Ø mm | | | COD. | € |
|------|-----|----|----------|-----------|
| 15 | 150 | 10 | QE900015 | Consultar |
| 18 | 120 | 10 | QE900018 | Consultar |
| 22 | 100 | 10 | QE900022 | Consultar |
| 28 | 75 | 5 | QE900028 | Consultar |
| 35 | 50 | 5 | QE900035 | Consultar |
| 42 | 24 | 2 | QE900042 | Consultar |
| 54 | 20 | 2 | QE900054 | Consultar |

ACCESORIOS



JUNTA EPDM

| Ø mm |  | COD. | € |
|------|---|----------|-----------|
| 15 | 10 | 9000N015 | Consultar |
| 18 | 10 | 9000N018 | Consultar |
| 22 | 10 | 9000N022 | Consultar |
| 28 | 10 | 9000N028 | Consultar |
| 35 | 10 | 9000N035 | Consultar |
| 42 | 10 | 9000N042 | Consultar |
| 54 | 10 | 9000N054 | Consultar |
| 76,1 | 1 | 9000N076 | Consultar |
| 88,9 | 1 | 9000N088 | Consultar |
| 108 | 1 | 9000N0A0 | Consultar |

CARACTERÍSTICAS TÉCNICAS


Temperaturas de servicio: -10° C a 110° C (120° C).
Diámetro: Ø12 - Ø108 mm.

APLICACIONES

- Agua potable.
- Agua de lluvia.
- Instalaciones de calefacción.
- Conducciones de circulación.
- Sistemas Protección contra incendios.



JUNTA VITON VERDE FPM

| Ø mm |  | COD. | € |
|------|---|----------|-----------|
| 15 | 10 | 9000V015 | Consultar |
| 18 | 10 | 9000V018 | Consultar |
| 22 | 10 | 9000V022 | Consultar |
| 28 | 10 | 9000V028 | Consultar |
| 35 | 10 | 9000V035 | Consultar |
| 42 | 10 | 9000V042 | Consultar |
| 54 | 10 | 9000V054 | Consultar |
| 76,1 | 1 | 9000V076 | Consultar |
| 88,9 | 1 | 9000V088 | Consultar |
| 108 | 1 | 9000V0A0 | Consultar |

CARACTERÍSTICAS TÉCNICAS


Temperaturas de servicio: -30° C a 160° C (200° C).
Diámetro: Ø15 - Ø108 mm.

APLICACIONES

- Sistemas de aire a presión.
- Instalaciones de vapor y condensados.
- Instalaciones solares.
- Instalaciones refrigeración.
- Hidrocarburos, excepto gasoil.
- Aceite mineral, vegetal y sintético.



JUNTA VITON ROJA FPM

| Ø mm |  | COD. | € |
|------|---|----------|-----------|
| 15 | 10 | 9000R015 | Consultar |
| 18 | 10 | 9000R018 | Consultar |
| 22 | 10 | 9000R022 | Consultar |
| 28 | 10 | 9000R028 | Consultar |
| 35 | 10 | 9000R035 | Consultar |
| 42 | 10 | 9000R042 | Consultar |
| 54 | 10 | 9000R054 | Consultar |
| 76,1 | 1 | 9000R076 | Consultar |
| 88,9 | 1 | 9000R088 | Consultar |
| 108 | 1 | 9000R0A0 | Consultar |

CARACTERÍSTICAS TÉCNICAS

Temperaturas de servicio: -30° C a 160° C (200° C).
Diámetro: Ø15 - Ø108 mm.

APLICACIONES

- Sistemas de aire a presión.
- Aceite mineral, vegetal y sintético.
- Grasas y aplicaciones industriales.
- Hidrocarburos, excepto gasoil pesado.
- Gases licuados (GLP).

TUBERÍA

Tubería AISI 304L:

Tubería Inoxidable E.N.10312, en su variante de Acero AISI 304L. Con juntas de EPDM es adecuado para instalaciones de aire comprimido, agua potable fría, calefacción y climatización (hasta temperaturas de 110° C). No compatible con agua de POZO.

Tubería AISI 316L:

Tubería Inoxidable E.N.10312, en su variante de Acero AISI 316L. Con juntas de EPDM es adecuado para instalaciones de aire comprimido, calefacción y climatización, condensados y vapor, agua potable y agua caliente sanitaria (hasta temperaturas de 110° C), según normativa DVGW. No compatible con agua de POZO.

En instalaciones de ACS, la cantidad de cloro combinado residual no debe nunca superar los 2 mg/l, mientras que el cloro libre residual no debe superar 1 mg/l. La máxima concentración permisible de cloruros es de 250 ppm.



TUBERÍA EN ACERO INOXIDABLE

| Ø (mm) | INOX 304L (1.4307) EN-10312-1 | | | INOX 316L (1.4404) EN-10312-1 | | | INOX 316L (1.4404) DVGW | | |
|-----------|----------------------------------|-----------------|-----------------|----------------------------------|-----------------|-----------------|----------------------------|-----------------|-----------------|
| | COD. | Espesor (mm) | Longitud (m) | COD. | Espesor (mm) | Longitud (m) | COD. | Espesor (mm) | Longitud (m) |
| 15 | S0934015 | 0,6 | 5 | S0931015 | 0,6 | 5 | S0930015 | 1,0 | 6 |
| 18 | S0934018 | 0,7 | 5 | S0931018 | 0,7 | 5 | S0930018 | 1,0 | 6 |
| 22 | S0934022 | 0,7 | 5 | S0931022 | 0,7 | 5 | S0930022 | 1,2 | 6 |
| 28 | S0934028 | 0,8 | 5 | S0931028 | 0,8 | 5 | S0930028 | 1,2 | 6 |
| 35 | S0934035 | 1,0 | 5 | S0931035 | 1,0 | 5 | S0930035 | 1,5 | 6 |
| 42 | S0934042 | 1,2 | 5 | S0931042 | 1,2 | 5 | S0930042 | 1,5 | 6 |
| 54 | S0934054 | 1,2 | 5 | S0931054 | 1,2 | 5 | S0930054 | 1,5 | 6 |
| 76,1 | S0934076 | 2,0 | 6 | | | | S0930076 | 2,0 | 6 |
| 88,9 | S0934088 | 2,0 | 6 | | | | S0930088 | 2,0 | 6 |
| 108 | S09340A0 | 2,0 | 6 | | | | S09300A0 | 2,0 | 6 |



TUBERÍA EN ACERO CARBONO GALVANIZADO - EN 10305-3

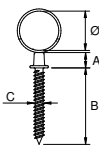
| Ø (mm) | GALVANIZADO EXTERIOR | | | GALVANIZADO INTERIOR/EXTERIOR | | |
|-----------|----------------------|-----------------|-----------------|-------------------------------|-----------------|-----------------|
| | COD. | Espesor (mm) | Longitud (m) | COD. | Espesor (mm) | Longitud (m) |
| 15 | Q0930015 | 1,2 | 6 | Q0932015 | 1,2 | 6 |
| 18 | Q0930018 | 1,2 | 6 | Q0932018 | 1,2 | 6 |
| 22 | Q0930022 | 1,2 | 6 | Q0932022 | 1,2 | 6 |
| 28 | Q0930028 | 1,5 | 6 | Q0932028 | 1,5 | 6 |
| 35 | Q0930035 | 1,5 | 6 | Q0932035 | 1,5 | 6 |
| 42 | Q0930042 | 1,5 | 6 | Q0932042 | 1,5 | 6 |
| 54 | Q0930054 | 1,5 | 6 | Q0932054 | 1,5 | 6 |
| 76,1 | Q0930076 | 2,0 | 6 | Q0932076 | 2,0 | 6 |
| 88,9 | Q0930088 | 2,0 | 6 | Q0932088 | 2,0 | 6 |
| 108 | Q09300A0 | 2,0 | 6 | Q09320A0 | 2,0 | 6 |


CONSULTAR PRECIOS Y DISPONIBILIDAD.

FIJACIONES



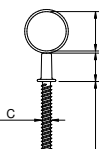
ABRAZADERA SIMPLE INOX AISI 304




| Ø mm | A mm | B mm | C mm |  | COD. | € |
|------|------|------|------|--|----------|------|
| 15 | 7 | 35 | 4,8 | 90 | PF4S0015 | 0,80 |
| 18 | 7 | 35 | 4,8 | 60 | PF4S0018 | 0,90 |
| 22 | 7 | 35 | 4,8 | 40 | PF4S0022 | 1,05 |
| 28 | 7 | 35 | 4,8 | 20 | PF4S0028 | 1,75 |



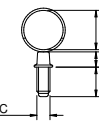
ABRAZADERA PLUS INOX AISI 304




| Ø mm | A mm | B mm | C mm |  | COD. | € |
|------|------|------|------|--|----------|------|
| 15 | 13 | 35 | 4,8 | 75 | PF4P0015 | 0,95 |
| 18 | 13 | 35 | 4,8 | 50 | PF4P0018 | 1,00 |



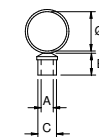
ABRAZADERA ROSCA MACHO INOX AISI 304




| Ø mm | A mm | B mm | C mm |  | COD. | € |
|------|------|------|------|--|----------|------|
| 15 | 6 | 12 | 6 | 90 | PF4M0015 | 0,95 |
| 18 | 6 | 12 | 6 | 60 | PF4M0018 | 1,20 |
| 22 | 6 | 12 | 6 | 40 | PF4M0022 | 1,35 |
| 28 | 6 | 12 | 6 | 20 | PF4M0028 | 2,10 |



ABRAZADERA ROSCA HEMBRA INOX AISI 304



| Ø mm | A mm | B mm | C mm |  | COD. | € |
|------|------|------|------|--|----------|------|
| 15 | 6 | 10 | 12 | 90 | PF4F0015 | 1,40 |
| 18 | 6 | 10 | 12 | 60 | PF4F0018 | 1,55 |
| 22 | 6 | 10 | 12 | 40 | PF4F0022 | 1,75 |
| 28 | 6 | 10 | 12 | 20 | PF4F0028 | 2,35 |

MÁQUINAS PRENSAR


COD.
PRG0000K



COD.
PRG0002K

| CARACTERÍSTICAS | PRG0000K | PRG0002K |
|--------------------------------|----------|--------------------------|
| Bluetooth | NO | SI |
| Pantalla OLED | NO | SI |
| Reloj en tiempo real (RTC) | NO | SI |
| Sensor de presión (HPC) | NO | SI |
| Fuerza de apriete | 32KN | 32KN |
| Batería | 230V | 18V 4,0 Ah Li-Ion Makita |
| Nº Prensados / Tiempo carga | - | 400 (NS20)* / 22 Min |
| Peso con batería / Sin mordaza | 7,6 kg. | 7,98 kg. |
| Giro del cabezal | 350° | 350° |

MORDAZAS, ADAPTADORES Y CADENAS

| DIMENSIÓN (mm) | COD. | DESCRIPCIÓN | MÁQUINA |
|--------------------|----------|---|--------------------|
| Ø 15 | PRP00015 | MORDAZA ESTÁNDAR PRESS 32KN Ø 15 mm. | PRG0000K, PRG0002K |
| Ø 18 | PRP00018 | MORDAZA ESTÁNDAR PRESS 32KN Ø 18 mm. | PRG0000K, PRG0002K |
| Ø 22 | PRP00022 | MORDAZA ESTÁNDAR PRESS 32KN Ø 22 mm. | PRG0000K, PRG0002K |
| Ø 28 | PRP00028 | MORDAZA ESTÁNDAR PRESS 32KN Ø 28 mm. | PRG0000K, PRG0002K |
| Ø 35 | PRP00035 | MORDAZA ESTÁNDAR PRESS 32KN Ø 35 mm. | PRG0000K, PRG0002K |
| Ø 42 y 54 | PRP04254 | KIT MORDAZAS 3 SEGMENTOS PRESS 32KN Ø 42 Y 54 mm. + ADAPTADOR | PRG0000K, PRG0002K |
| Ø 76.1 | PRP00076 | CADENA PRESS 4 SEGMENTOS Ø 76.1 mm. | PRG0002K |
| Ø 88.9 | PRP00088 | CADENA PRESS 4 SEGMENTOS Ø 88.9 mm. | PRG0002K |
| Ø 108 | PRP00108 | CADENA PRESS 4 SEGMENTOS Ø 108 mm. | PRG0002K |
| Ø 76.1, 88.9 y 108 | PRPADCAD | ADAPTADOR PARA CADENAS PRESS Ø 76.1, 88.9 Y 108 mm. | - |



COD.
PRP00015
PRP00018
PRP00022
PRP00028
PRP00035



COD.
PRPADCAD



COD.
PRP00076
PRP00088
PRP00108



COD.
PRP04254

CONSULTAR PRECIOS Y DISPONIBILIDAD

CARACTERÍSTICAS TÉCNICAS

| Campos de aplicación | Calidad Tubería | Junta | Comentarios | Acero Inoxidable | Acero Carbono |
|--------------------------------|-----------------|-------------|---|--|--|
| Agua Potable | A-316L | EPDM | A-304 cloruros <200mg/l A-316 cloruros <250 mg/l | Adecuado | No adecuado |
| Calefacción | A-304 A-316L | EPDM | Disoluciones Glicol <25%. Para mayor porcentaje usar Juntas FKM/FPM. | Adecuado | Adecuado Tubo Zinc (Ext.) |
| Solar | A-316L | FKM | Temp. Máx. 160°C, con puntas de 180°C. Circuito Primario según DB HE del CTE siempre en Acero Inoxidable. | Adecuado con anillo de FKM (Verde). | Adecuado para circuito secundario anillo FKM (Verde). Tubo Zinc (Ext.) |
| Combustible (Gasoil) | A-304 A-316L | FKM | Instalaciones Oleohidráulicas, incluyendo Hidrocarburos excepto gasoil pesado. | Adecuado con anillo FKM (Rojo). | Adecuado con anillo FKM (Rojo). Tubo Zinc (Ext.) |
| Aire a presión (Gases Inertes) | A-304 A-316L | EPDM FKM | El sistema no es SILICON-FREE. El sistema es apto para instalaciones de gases inertes, no explosivos ni tóxicos (Nitrógeno, Dióxido de Carbono, Argón). | Adecuado con EPDM Inst. Clase 1-4 (ISO 8573-1). Inst. Clase 5 usar anillo FKM (Verde). | Tubo Zinc 2 caras (Ext./Int.). Adecuado con EPDM Inst. Clase 1-4 (ISO 8573-1). Inst. Clase 5, usar anillo FKM (Verde). |
| Agua de lluvia | A-304 A-316L | EPDM | Seleccionar A-304 / A-316L dependiendo de la ubicación y condiciones externas de la instalación. | Adecuado | No adecuado |
| Condensado de Vapor | A-304 A-316L | FKM | Temp. Máx. 160°C, con puntas de 180°C. | Adecuado con anillo de FKM (Verde). | No adecuado |
| Industria | A-316L | EPDM FKM | Consultar aplicación | Por pedido | Por pedido |
| PCI (Bies/Rociador) | A-304 A-316L | EPDM | Sistema certificado PCI de riesgos ligeros y ordinarios 1 a 4 (Cines, Teatros, Salas de Concierto, Parkings). | Adecuado | Adecuado con Tubo Zinc 2 caras (Int./Ext.) |
| Vacío | A-304 A-316L | EPDM | El sistema es apto para reducción de vacío a 200 mbar de valor relativo (reducción presión atmosférica a -0,8 bar). | Adecuado | Adecuado con Tubo Zinc 2 caras (Int./Ext.) |
| Agua de pozo | A-304 A-316L | EPDM | Nunca utilizar agua de pozo, ni de manantial, ni aguas sin tratar. | No adecuado | No adecuado |

ACCESORIOS DE **LATÓN**

La excelente resistencia del latón frente a la corrosión y a las altas temperaturas, convierten a esta aleación en un material ideal para su uso en la distribución y suministro del agua.

ATUSA, siguiendo la política de ofrecer productos de acuerdo a los más exigentes estándares de calidad, presenta un amplio abanico de racores de latón y soluciones para la conexión de diferentes tipos de tuberías.



A close-up photograph of a brass fitting, likely a valve or connector, showing its internal threads and the outer flange. The background is a vibrant green gradient. The ATUSA logo is positioned in the upper right corner.

◀▶ **ATUSA**

ACCESORIOS
LATÓN

ACCESORIOS DE
LATÓN

ACCESORIOS TUBO POLIETILENO SERIE "GORBEA"

Accesorios a compresión para tubo de polietileno, fabricados en latón CW617N cumpliendo la norma EN 12165.

Sistema de compresión mediante ROSCA EXTERNA.

Accesorios fabricados según ESTÁNDAR EN 1254.4.

Rosca ISO 7-1.

Se aconseja para su instalación la utilización de la vaina de refuerzo, para evitar problemas de estanqueidad originados por deformaciones en el tubo. Presión máxima de trabajo: PN 25.

Máxima temperatura de trabajo: 60° C.

Producto certificado DVGW para agua potable.



RACOR RECTO DOBLE

| Ø | | | COD. | € |
|----|----|----|----------|-------|
| 20 | 50 | 10 | LPGRD020 | 6,70 |
| 25 | 30 | 10 | LPGRD025 | 10,20 |
| 32 | 20 | 5 | LPGRD032 | 14,10 |
| 40 | 12 | 4 | LPGRD040 | 23,85 |
| 50 | 8 | 4 | LPGRD050 | 34,60 |
| 63 | 3 | | LPGRD063 | 58,20 |



RACOR RECTO MACHO

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 90 | 10 | LPGRM320 | 3,85 |
| 3/4" x 25 | 60 | 10 | LPGRM425 | 5,70 |
| 1" x 32 | 35 | 5 | LPGRM532 | 8,80 |
| 1 1/4" x 40 | 20 | 5 | LPGRM640 | 14,65 |
| 1 1/2" x 50 | 12 | 4 | LPGRM750 | 21,60 |
| 2" x 63 | 6 | 3 | LPGRM863 | 34,45 |



RACOR RECTO HEMBRA

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 80 | 10 | LPGRH320 | 4,25 |
| 3/4" x 25 | 60 | 10 | LPGRH425 | 6,60 |
| 1" x 32 | 30 | 5 | LPGRH532 | 9,20 |
| 1 1/4" x 40 | 20 | 5 | LPGRH640 | 15,70 |
| 1 1/2" x 50 | 8 | 4 | LPGRH750 | 23,70 |
| 2" x 63 | 6 | 3 | LPGRH863 | 41,00 |



RACOR CODO DOBLE

| Ø | | | COD. | € |
|----|----|----|----------|-------|
| 20 | 40 | 10 | LPGCD020 | 7,60 |
| 25 | 20 | 10 | LPGCD025 | 11,95 |
| 32 | 15 | 5 | LPGCD032 | 17,20 |
| 40 | 10 | 5 | LPGCD040 | 29,55 |
| 50 | 5 | | LPGCD050 | 45,00 |
| 63 | 3 | | LPGCD063 | 73,00 |



RACOR CODO MACHO

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 70 | 10 | LPGCM320 | 5,35 |
| 3/4" x 25 | 40 | 10 | LPGCM425 | 8,10 |
| 1" x 32 | 25 | 5 | LPGCM532 | 11,95 |
| 1 1/4" x 40 | 10 | 5 | LPGCM640 | 20,25 |
| 1 1/2" x 50 | 10 | 5 | LPGCM750 | 30,20 |
| 2" x 63 | 4 | | LPGCM863 | 52,05 |



RACOR CODO HEMBRA

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 70 | 10 | LPGCH320 | 5,60 |
| 3/4" x 25 | 40 | 10 | LPGCH425 | 8,60 |
| 1" x 32 | 25 | 5 | LPGCH532 | 13,00 |
| 1 1/4" x 40 | 10 | 5 | LPGCH640 | 21,85 |
| 1 1/2" x 50 | 8 | 4 | LPGCH750 | 32,20 |
| 2" x 63 | 4 | | LPGCH863 | 54,80 |



RACOR EN T

| Ø | | | COD. | € |
|----|----|----|----------|--------|
| 20 | 30 | 10 | LPGTD020 | 10,85 |
| 25 | 20 | 5 | LPGTD025 | 16,50 |
| 32 | 10 | 5 | LPGTD032 | 24,50 |
| 40 | 6 | | LPGTD040 | 41,75 |
| 50 | 4 | | LPGTD050 | 64,00 |
| 63 | 3 | | LPGTD063 | 105,00 |



RACOR EN T HEMBRA

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 30 | 10 | LPGTH320 | 8,55 |
| 3/4" x 25 | 20 | 5 | LPGTH425 | 13,25 |
| 1" x 32 | 15 | 5 | LPGTH532 | 19,60 |
| 1 1/4" x 40 | 6 | | LPGTH640 | 33,30 |
| 1 1/2" x 50 | 4 | | LPGTH750 | 55,00 |
| 2" x 63 | 3 | | LPGTH863 | 85,05 |



RACOR CODO PLACA HEMBRA

| Ø | | | COD. | € |
|-----------|----|----|----------|-------|
| 1/2" x 20 | 40 | 10 | LPGCP320 | 7,50 |
| 3/4" x 25 | 20 | 5 | LPGCP425 | 11,50 |
| 1" x 32 | 15 | 5 | LPGCP532 | 16,90 |



RACOR CODO MACHO 45°

| Ø | | | COD. | € |
|-------------|----|---|----------|-------|
| 1" x 32 | 25 | 5 | LPGC4532 | 15,20 |
| 1 1/4" x 40 | 10 | 5 | LPGC4540 | 26,90 |
| 1 1/2" x 50 | 10 | 5 | LPGC4550 | 42,65 |



MANGUITO DE PROLONGACIÓN

| Ø | 📦 | | COD. | € |
|----|----|---|----------|-------|
| 32 | 18 | 1 | LPGRR032 | 25,70 |
| 40 | 10 | 1 | LPGRR040 | 36,15 |
| 50 | 5 | 1 | LPGRR050 | 54,35 |
| 63 | 3 | 1 | LPGRR063 | 87,10 |



VAINA DE REFUERZO

| Ø | 📦 | | COD. | € |
|----|-----|----|----------|-------|
| 20 | 250 | 10 | LPGVR020 | 1,65 |
| 25 | 150 | 10 | LPGVR025 | 2,35 |
| 32 | 100 | 10 | LPGVR032 | 4,60 |
| 40 | 50 | 10 | LPGVR040 | 5,00 |
| 50 | 40 | 10 | LPGVR050 | 7,55 |
| 63 | 20 | 1 | LPGVR063 | 22,35 |

ACCESORIOS TUBO POLIETILENO SERIE "URBASA" **DVGW**

Accesorios de latón a compresión de alta calidad para tubo de polietileno fabricados en latón CW617N cumpliendo la norma EN 12165.

Certificación DVGW (agua PN 16 – gas PN 10).

Se aconseja para su instalación la utilización de la vaina de refuerzo. De esta manera podríamos evitar problemas de estanqueidad originados por deformaciones del tubo.



Sistema de compresión mediante rosca externa.

Máxima temperatura de trabajo: 60° C.

Aplicaciones: válidos para la distribución a presión de fluidos alimenticios y no alimenticios con temperatura no superior a 60° C, así como para la conducción de aguas potables y no potables de acuerdo a las prescripciones higiénico-sanitarias.



RACOR RECTO DOBLE

| Ø | 📦 | | COD. | € |
|----|----|----|----------|-------|
| 20 | 40 | 10 | LPERD020 | 8,85 |
| 25 | 20 | 10 | LPERD025 | 11,25 |
| 32 | 15 | 5 | LPERD032 | 16,10 |
| 40 | 12 | | LPERD040 | 25,65 |
| 50 | 8 | | LPERD050 | 40,00 |
| 63 | 3 | | LPERD063 | 60,45 |



RACOR RECTO MACHO

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 60 | 10 | LPERM320 | 5,30 |
| 3/4" x 25 | 40 | 10 | LPERM425 | 6,55 |
| 1" x 32 | 30 | 5 | LPERM532 | 10,55 |
| 1 1/4" x 40 | 20 | | LPERM640 | 15,95 |
| 1 1/2" x 50 | 10 | | LPERM750 | 23,90 |
| 2" x 63 | 6 | | LPERM863 | 35,25 |



RACOR RECTO HEMBRA

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 60 | 10 | LPERH320 | 5,30 |
| 3/4" x 25 | 40 | 10 | LPERH425 | 7,00 |
| 1" x 32 | 20 | 5 | LPERH532 | 10,60 |
| 1 1/4" x 40 | 20 | | LPERH640 | 17,05 |
| 1 1/2" x 50 | 10 | | LPERH750 | 24,80 |
| 2" x 63 | 6 | | LPERH863 | 39,30 |



RACOR CODO DOBLE

| Ø | 📦 | | COD. | € |
|----|----|----|----------|-------|
| 20 | 40 | 10 | LPECD020 | 10,40 |
| 25 | 20 | 10 | LPECD025 | 12,35 |
| 32 | 15 | | LPECD032 | 19,80 |
| 40 | 10 | | LPECD040 | 32,80 |
| 50 | 5 | | LPECD050 | 52,40 |
| 63 | 3 | | LPECD063 | 79,00 |



RACOR CODO MACHO

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 60 | 10 | LPECM320 | 7,15 |
| 3/4" x 25 | 30 | 10 | LPECM425 | 9,45 |
| 1" x 32 | 25 | | LPECM532 | 14,75 |
| 1 1/4" x 40 | 10 | | LPECM640 | 24,15 |
| 1 1/2" x 50 | 6 | | LPECM750 | 38,85 |
| 2" x 63 | 3 | | LPECM863 | 58,50 |



RACOR CODO HEMBRA

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 60 | 10 | LPECH320 | 8,65 |
| 3/4" x 25 | 30 | 10 | LPECH425 | 9,05 |
| 1" x 32 | 25 | | LPECH532 | 15,30 |
| 1 1/4" x 40 | 10 | | LPECH640 | 24,15 |
| 1 1/2" x 50 | 6 | | LPECH750 | 40,45 |
| 2" x 63 | 3 | | LPECH863 | 60,35 |



RACOR EN T

| Ø | | | COD. | € |
|----|----|----|----------|--------|
| 20 | 30 | 10 | LPETD020 | 13,55 |
| 25 | 15 | 5 | LPETD025 | 16,80 |
| 32 | 10 | | LPETD032 | 25,75 |
| 40 | 6 | | LPETD040 | 44,60 |
| 50 | 4 | | LPETD050 | 72,90 |
| 63 | 2 | | LPETD063 | 113,15 |



RACOR EN T HEMBRA

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 30 | 10 | LPETH320 | 10,65 |
| 3/4" x 25 | 20 | 5 | LPETH425 | 13,65 |
| 1" x 32 | 15 | | LPETH532 | 21,55 |
| 1 1/4" x 40 | 6 | | LPETH640 | 37,20 |
| 1 1/2" x 50 | 4 | | LPETH750 | 58,25 |
| 2" x 63 | 3 | | LPETH863 | 91,25 |



RACOR CODO PLACA HEMBRA

| Ø | | | COD. | € |
|-----------|----|----|----------|-------|
| 1/2" x 20 | 30 | 10 | LPECP320 | 8,75 |
| 3/4" x 25 | 20 | 5 | LPECP425 | 11,05 |
| 1" x 32 | 15 | | LPECP532 | 18,35 |



ACCESORIOS TUBO POLIETILENO SERIE "RONCAL"

Accesorios de latón a compresión para tubo de polietileno fabricados en CW617N.

Se aconseja para su instalación la utilización de la vaina de refuerzo. De esta manera podríamos evitar problemas de estanqueidad originados por deformaciones del tubo.

Sistema de compresión mediante ROSCA INTERNA.

Máxima temperatura de trabajo: 60° C.

Aplicaciones: válidos para la distribución a presión de fluidos alimenticios y no alimenticios con temperatura no superior a 60° C, así como para la conducción de aguas potables y no potables de acuerdo a las prescripciones higiénico-sanitarias.

Suministro con etiqueta unitaria.

Certificación ACS.



RACOR RECTO DOBLE

| Ø | | | COD. | € |
|----|----|----|----------|-------|
| 20 | 40 | 10 | LPORD020 | 8,05 |
| 25 | 30 | 10 | LPORD025 | 10,40 |
| 32 | 20 | 5 | LPORD032 | 15,20 |
| 40 | 15 | 5 | LPORD040 | 23,75 |
| 50 | 9 | 3 | LPORD050 | 35,05 |
| 63 | 4 | 2 | LPORD063 | 62,00 |



RACOR RECTO MACHO

| Ø | | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 70 | 10 | LPORM320 | 4,80 |
| 3/4" x 25 | 50 | 10 | LPORM425 | 6,05 |
| 1" x 32 | 30 | 5 | LPORM532 | 9,20 |
| 1 1/4" x 40 | 20 | 5 | LPORM640 | 14,20 |
| 1 1/2" x 50 | 10 | 5 | LPORM750 | 21,25 |
| 2" x 63 | 6 | 3 | LPORM863 | 37,45 |



RACOR RECTO HEMBRA

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 70 | 10 | LPORH320 | 5,00 |
| 3/4" x 25 | 50 | 10 | LPORH425 | 6,50 |
| 1" x 32 | 30 | 5 | LPORH532 | 9,30 |
| 1 1/4" x 40 | 20 | 5 | LPORH640 | 14,90 |
| 1 1/2" x 50 | 10 | 5 | LPORH750 | 21,25 |
| 2" x 63 | 6 | 3 | LPORH863 | 38,00 |



RACOR CODO DOBLE

| Ø | 📦 | | COD. | € |
|----|----|----|----------|-------|
| 20 | 40 | 10 | LPOCD020 | 9,25 |
| 25 | 20 | 10 | LPOCD025 | 11,85 |
| 32 | 15 | 5 | LPOCD032 | 17,90 |
| 40 | 8 | 4 | LPOCD040 | 27,75 |
| 50 | 4 | | LPOCD050 | 43,00 |
| 63 | 3 | | LPOCD063 | 71,70 |



RACOR CODO MACHO

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 50 | 10 | LPOCM320 | 6,25 |
| 3/4" x 25 | 40 | 10 | LPOCM425 | 8,40 |
| 1" x 32 | 20 | 5 | LPOCM532 | 12,70 |
| 1 1/4" x 40 | 12 | 4 | LPOCM640 | 20,65 |
| 1 1/2" x 50 | 9 | 3 | LPOCM750 | 29,90 |
| 2" x 63 | 4 | 2 | LPOCM863 | 47,90 |



RACOR CODO HEMBRA

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 50 | 10 | LPOCH320 | 5,65 |
| 3/4" x 25 | 40 | 10 | LPOCH425 | 8,05 |
| 1" x 32 | 20 | 5 | LPOCH532 | 12,10 |
| 1 1/4" x 40 | 15 | 5 | LPOCH640 | 19,00 |
| 1 1/2" x 50 | 10 | 5 | LPOCH750 | 29,25 |
| 2" x 63 | 4 | | LPOCH863 | 48,25 |



RACOR EN T

| Ø | 📦 | | COD. | € |
|----|----|----|----------|--------|
| 20 | 20 | 10 | LPOTD020 | 13,35 |
| 25 | 15 | 5 | LPOTD025 | 16,90 |
| 32 | 15 | 5 | LPOTD032 | 25,65 |
| 40 | 8 | 4 | LPOTD040 | 40,10 |
| 50 | 4 | | LPOTD050 | 59,95 |
| 63 | 2 | | LPOTD063 | 101,00 |



RACOR EN T HEMBRA

| Ø | 📦 | | COD. | € |
|-------------|----|----|----------|-------|
| 1/2" x 20 | 30 | 10 | LPOTH320 | 10,55 |
| 3/4" x 25 | 20 | 5 | LPOTH425 | 13,65 |
| 1" x 32 | 15 | 5 | LPOTH532 | 19,85 |
| 1 1/4" x 40 | 8 | 4 | LPOTH640 | 32,20 |
| 1 1/2" x 50 | 4 | | LPOTH750 | 49,05 |
| 2" x 63 | 3 | | LPOTH863 | 73,65 |



MANGUITO DE PROLONGACIÓN

| Ø | 📦 | | COD. | € |
|----|----|---|----------|-------|
| 25 | 24 | 1 | LPORR025 | 16,35 |
| 32 | 20 | 1 | LPORR032 | 24,20 |
| 40 | 12 | 1 | LPORR040 | 34,10 |
| 50 | 7 | 1 | LPORR050 | 51,35 |



RACOR CODO PLACA HEMBRA

| Ø | 📦 | | COD. | € |
|-----------|----|----|----------|-------|
| 1/2" x 20 | 40 | 10 | LPOCP320 | 8,00 |
| 3/4" x 25 | 20 | 5 | LPOCP425 | 10,25 |
| 1" x 32 | 15 | 5 | LPOCP532 | 15,95 |

ACCESORIOS TUBO POLIETILENO "PIEZAS BRIDADAS"

RACOR RECTO DOBLE

| Ø | | COD. | € |
|-----|-----|----------|--------|
| 75 | 4 1 | LPGRD075 | 119,00 |
| 90 | 4 1 | LPGRD090 | 176,00 |
| 110 | 2 1 | LPGRD110 | 261,00 |


RACOR RECTO MACHO

| Ø | | COD. | € |
|-------------|-----|----------|--------|
| 2 1/2" x 75 | 6 1 | LPGRMA75 | 70,00 |
| 3" x 90 | 5 1 | LPGRMB90 | 102,50 |
| 4" x 110 | 3 1 | LPGRM110 | 164,05 |


RACOR RECTO HEMBRA

| Ø | | COD. | € |
|-------------|-----|----------|--------|
| 2 1/2" x 75 | 6 1 | LPGRHA75 | 70,50 |
| 3" x 90 | 5 1 | LPGRHB90 | 106,25 |
| 4" x 110 | 3 1 | LPGRH110 | 157,60 |


RACOR CODO DOBLE

| Ø | | COD. | € |
|-----|-----|----------|--------|
| 75 | 3 1 | LPGCD075 | 149,00 |
| 90 | 1 | LPGCD090 | 243,00 |
| 110 | 1 | LPGCD110 | 372,00 |


RACOR CODO MACHO

| Ø | | COD. | € |
|-------------|-----|----------|--------|
| 2 1/2" x 75 | 4 1 | LPGCMA75 | 97,00 |
| 3" x 90 | 2 1 | LPGCMB90 | 161,10 |
| 4" x 110 | 1 | LPGCM110 | 239,10 |


RACOR CODO HEMBRA

| Ø | | COD. | € |
|-------------|-----|----------|--------|
| 2 1/2" x 75 | 4 1 | LPGCHA75 | 95,50 |
| 3" x 90 | 2 1 | LPGCHB90 | 151,00 |
| 4" x 110 | 1 | LPGCH110 | 232,00 |


RACOR EN T

| Ø | | COD. | € |
|-----|-----|----------|--------|
| 75 | 2 1 | LPGTD075 | 227,15 |
| 90 | 1 | LPGTD090 | 350,00 |
| 110 | 1 | LPGTD110 | 536,00 |


RACOR EN T HEMBRA

| Ø | | COD. | € |
|-------------|-----|----------|--------|
| 2 1/2" x 75 | 2 1 | LPGTHA75 | 163,35 |
| 3" x 90 | 1 | LPGTHB90 | 253,70 |
| 4" x 110 | 1 | LPGTH110 | 439,65 |

ACCESORIOS ROSCADOS



2 CURVA 90° H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 1/2" | 120 | 10 | LS002003 | 4,00 |
| 3/4" | 80 | 10 | LS002004 | 7,00 |
| 1" | 40 | 10 | LS002005 | 12,50 |
| 1 1/4" | 40 | 5 | LS002006 | 18,50 |
| 1 1/2" | 25 | 5 | LS002007 | 26,45 |
| 2" | 18 | 1 | LS002008 | 43,00 |



90 CODO 90° H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 3/8" | 350 | 10 | LS090002 | 2,05 |
| 1/2" | 200 | 10 | LS090003 | 2,40 |
| 3/4" | 100 | 10 | LS090004 | 3,70 |
| 1" | 60 | 10 | LS090005 | 5,85 |
| 1 1/4" | 80 | 5 | LS090006 | 9,20 |
| 1 1/2" | 55 | 5 | LS090007 | 12,10 |
| 2" | 30 | 5 | LS090008 | 20,10 |
| 2 1/2" | 16 | 1 | LS09000A | 43,85 |
| 3" | 8 | 1 | LS09000B | 66,95 |
| 4" | 4 | 1 | LS09000D | 119,50 |



90R CODO REDUCIDO 90° H/H

| Ø | | | COD. | € |
|-----------------|-----|----|----------|-------|
| 1/2" x 3/8" | 250 | 10 | LS090032 | 1,85 |
| 3/4" x 1/2" | 150 | 10 | LS090043 | 3,20 |
| 1" x 1/2" | 100 | 10 | LS090053 | 4,20 |
| 1" x 3/4" | 80 | 10 | LS090054 | 5,05 |
| 1 1/4" x 1" | 80 | 5 | LS090065 | 9,20 |
| 1 1/2" x 1" | 80 | 5 | LS090075 | 10,85 |
| 1 1/2" x 1 1/4" | 60 | 5 | LS090076 | 13,95 |



92 CODO 90° M/H

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 3/8" | 350 | 10 | LS092002 | 1,85 |
| 1/2" | 200 | 10 | LS092003 | 2,60 |
| 3/4" | 100 | 10 | LS092004 | 3,95 |
| 1" | 60 | 10 | LS092005 | 6,45 |
| 1 1/4" | 35 | 5 | LS092006 | 9,15 |
| 1 1/2" | 25 | 5 | LS092007 | 12,30 |
| 2" | 25 | 5 | LS092008 | 22,45 |
| 2 1/2" | 14 | 1 | LS09200A | 45,70 |
| 3" | 10 | 1 | LS09200B | 62,05 |



130 TE 90°

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 3/8" | 250 | 10 | LS130002 | 2,20 |
| 1/2" | 150 | 10 | LS130003 | 2,70 |
| 3/4" | 60 | 10 | LS130004 | 5,50 |
| 1" | 40 | 10 | LS130005 | 7,65 |
| 1 1/4" | 50 | 5 | LS130006 | 11,40 |
| 1 1/2" | 40 | 5 | LS130007 | 14,80 |
| 2" | 20 | 5 | LS130008 | 26,05 |
| 2 1/2" | 11 | 1 | LS13000A | 56,25 |
| 3" | 8 | 1 | LS13000B | 89,00 |
| 4" | 4 | 1 | LS13000D | 150,90 |



130R TE 90° REDUCIDA



| Ø | | | COD. | € |
|--------------------------|----|----|----------|-------|
| 3/4" x 1/2" x 3/4" | 80 | 10 | LS130434 | 4,15 |
| 1" x 1/2" x 1" | 60 | 10 | LS130535 | 5,35 |
| 1" x 3/4" x 1" | 50 | 10 | LS130545 | 7,15 |
| 1 1/4" x 1/2" x 1 1/4" | 40 | 5 | LS130636 | 9,30 |
| 1 1/4" x 3/4" x 1 1/4" | 35 | 5 | LS130646 | 10,00 |
| 1 1/4" x 1" x 1 1/4" | 60 | 5 | LS130656 | 10,40 |
| 1 1/2" x 1/2" x 1 1/2" | 60 | 5 | LS130737 | 10,10 |
| 1 1/2" x 3/4" x 1 1/2" | 30 | 5 | LS130747 | 11,05 |
| 1 1/2" x 1" x 1 1/2" | 25 | 5 | LS130757 | 12,10 |
| 1 1/2" x 1 1/4" x 1 1/2" | 40 | 5 | LS130767 | 13,80 |
| 2" x 1/2" x 2" | 15 | 5 | LS130838 | 16,15 |
| 2" x 3/4" x 2" | 15 | 5 | LS130848 | 16,15 |
| 2" x 1" x 2" | 25 | 5 | LS130858 | 18,30 |
| 2" x 1 1/4" x 2" | 15 | 5 | LS130868 | 20,20 |
| 2" x 1 1/2" x 2" | 10 | 5 | LS130878 | 22,95 |



180 CRUZ

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 3/8" | 200 | 10 | LS180002 | 2,65 |
| 1/2" | 110 | 10 | LS180003 | 4,20 |
| 3/4" | 60 | 10 | LS180004 | 6,15 |
| 1" | 30 | 10 | LS180005 | 9,70 |
| 1 1/4" | 40 | 5 | LS180006 | 14,75 |
| 1 1/2" | 30 | 5 | LS180007 | 19,70 |
| 2" | 16 | 1 | LS180008 | 34,55 |



240 MANGUITO REDUCIDO H/H

| Ø | | | COD. | € |
|-----------------|-----|----|----------|-------|
| 1/2" x 3/8" | 350 | 10 | LS240032 | 1,30 |
| 3/4" x 1/2" | 200 | 10 | LS240043 | 2,20 |
| 1" x 1/2" | 160 | 10 | LS240053 | 2,85 |
| 1" x 3/4" | 140 | 10 | LS240054 | 2,90 |
| 1 1/4" x 1" | 80 | 10 | LS240065 | 4,55 |
| 1 1/2" x 1" | 120 | 10 | LS240075 | 5,50 |
| 1 1/2" x 1 1/4" | 100 | 10 | LS240076 | 6,00 |
| 2" x 1" | 40 | 5 | LS240085 | 8,80 |
| 2" x 1 1/4" | 40 | 5 | LS240086 | 9,20 |
| 2" x 1 1/2" | 30 | 5 | LS240087 | 10,10 |



245 CASQUILLO ROSCA DOBLE REDUCIDO M/M

| Ø | | | COD. | € |
|-----------------|------|----|----------|-------|
| 1/4" x 1/8" | 1100 | 10 | LS245010 | 0,57 |
| 3/8" x 1/8" | 900 | 10 | LS245020 | 0,77 |
| 3/8" x 1/4" | 900 | 10 | LS245021 | 0,89 |
| 1/2" x 1/4" | 750 | 10 | LS245031 | 1,10 |
| 1/2" x 3/8" | 700 | 10 | LS245032 | 1,10 |
| 3/4" x 1/2" | 400 | 10 | LS245043 | 1,70 |
| 1" x 1/2" | 280 | 10 | LS245053 | 2,50 |
| 1" x 3/4" | 250 | 10 | LS245054 | 2,55 |
| 1 1/4" x 3/4" | 110 | 10 | LS245064 | 3,95 |
| 1 1/4" x 1" | 100 | 10 | LS245065 | 4,05 |
| 1 1/2" x 3/4" | 80 | 10 | LS245074 | 6,35 |
| 1 1/2" x 1" | 120 | 10 | LS245075 | 5,60 |
| 1 1/2" x 1 1/4" | 100 | 10 | LS245076 | 5,65 |
| 2" x 1" | 100 | 5 | LS245085 | 8,00 |
| 2" x 1 1/4" | 100 | 5 | LS245086 | 8,10 |
| 2" x 1 1/2" | 100 | 5 | LS245087 | 8,45 |
| 2 1/2" x 2" | 30 | 1 | LS2450A8 | 17,15 |
| 3" x 2" | 20 | 1 | LS2450B8 | 24,75 |
| 3" x 2 1/2" | 20 | 1 | LS2450BA | 22,95 |



246 RACOR MARSELLA REDUCIDO M/H

| Ø | | | COD. | € |
|---------------------|-----|----|----------|-------|
| 3/8" M x 1/2" H | 400 | 10 | LS246023 | 1,50 |
| 1/2" M x 3/8" H | 400 | 10 | LS246032 | 1,25 |
| 1/2" M x 3/4" H | 300 | 10 | LS246034 | 2,15 |
| 1/2" M x 1" H | 180 | 10 | LS246035 | 3,35 |
| 1/2" M x 1 1/4" H | 110 | 10 | LS246036 | 5,00 |
| 3/4" M x 1/2" H | 300 | 10 | LS246043 | 1,90 |
| 3/4" M x 1" H | 150 | 10 | LS246045 | 3,35 |
| 1" M x 3/4" H | 170 | 10 | LS246054 | 3,35 |
| 1" M x 1 1/4" H | 110 | 10 | LS246056 | 4,95 |
| 1" M x 1 1/2" H | 90 | 10 | LS246057 | 5,90 |
| 1" M x 2" H | 50 | 10 | LS246058 | 9,75 |
| 1 1/4" M x 1 1/2" H | 80 | 10 | LS246067 | 7,65 |
| 1 1/4" M x 2" H | 40 | 5 | LS246068 | 10,30 |
| 1 1/2" M x 2" H | 40 | 5 | LS246078 | 9,65 |
| 2" M x 2 1/2" H | 40 | 1 | LS24608A | 18,25 |



241 REDUCCIÓN HEXAGONAL

| Ø | | | COD. | € |
|---------------------|------|----|----------|-------|
| 1/4" M x 1/8" H | 1400 | 10 | LS241010 | 0,31 |
| 3/8" M x 1/8" H | 1200 | 10 | LS241020 | 0,58 |
| 3/8" M x 1/4" H | 1200 | 10 | LS241021 | 0,52 |
| 1/2" M x 1/4" H | 500 | 10 | LS241031 | 1,10 |
| 1/2" M x 3/8" H | 500 | 10 | LS241032 | 0,76 |
| 3/4" M x 3/8" H | 300 | 10 | LS241042 | 1,55 |
| 3/4" M x 1/2" H | 300 | 10 | LS241043 | 1,30 |
| 1" M x 1/2" H | 250 | 10 | LS241053 | 2,55 |
| 1" M x 3/4" H | 250 | 10 | LS241054 | 2,15 |
| 1 1/4" M x 1/2" H | 150 | 10 | LS241063 | 5,60 |
| 1 1/4" M x 3/4" H | 150 | 10 | LS241064 | 4,05 |
| 1 1/4" M x 1" H | 150 | 10 | LS241065 | 3,05 |
| 1 1/2" M x 1/2" H | 140 | 10 | LS241073 | 5,60 |
| 1 1/2" M x 3/4" H | 140 | 10 | LS241074 | 6,75 |
| 1 1/2" M x 1" H | 140 | 10 | LS241075 | 5,10 |
| 1 1/2" M x 1 1/4" H | 140 | 10 | LS241076 | 3,40 |
| 2" M x 1/2" H | 60 | 5 | LS241083 | 9,50 |
| 2" M x 3/4" H | 60 | 5 | LS241084 | 9,50 |
| 2" M x 1" H | 60 | 5 | LS241085 | 10,25 |
| 2" M x 1 1/4" H | 60 | 5 | LS241086 | 9,25 |
| 2" M x 1" 1/2H | 60 | 5 | LS241087 | 8,00 |
| 2 1/2" M x 1 1/4" H | 40 | 1 | LS2410A6 | 15,80 |
| 2 1/2" M x 1 1/2" H | 40 | 1 | LS2410A7 | 17,20 |
| 2 1/2" M x 2" H | 40 | 1 | LS2410A8 | 14,10 |
| 3" M x 2" H | 20 | 1 | LS2410B8 | 28,75 |
| 3" M x 2 1/2" H | 20 | 1 | LS2410BA | 19,10 |
| 4" M x 2" H | 20 | 1 | LS2410D8 | 47,95 |
| 4" M x 2 1/2" H | 20 | 1 | LS2410DA | 49,85 |
| 4" M x 3" H | 20 | 1 | LS2410DB | 46,05 |



270 MANGUITO H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 3/8" | 350 | 10 | LS270002 | 1,30 |
| 1/2" | 250 | 10 | LS270003 | 1,75 |
| 3/4" | 150 | 10 | LS270004 | 2,70 |
| 1" | 100 | 10 | LS270005 | 4,20 |
| 1 1/4" | 50 | 10 | LS270006 | 5,80 |
| 1 1/2" | 70 | 10 | LS270007 | 8,35 |
| 2" | 40 | 5 | LS270008 | 15,45 |
| 2 1/2" | 30 | 1 | LS27000A | 24,00 |
| 3" | 22 | 1 | LS27000B | 31,15 |
| 4" | 10 | 1 | LS27000D | 62,85 |



280 CASQUILLO ROSCA DOBLE M/M

| Ø | | | COD. | € |
|--------|------|----|----------|-------|
| 1/8" | 1200 | 10 | LS280000 | 0,34 |
| 1/4" | 1000 | 10 | LS280001 | 0,57 |
| 3/8" | 800 | 10 | LS280002 | 0,96 |
| 1/2" | 350 | 10 | LS280003 | 1,35 |
| 3/4" | 200 | 10 | LS280004 | 1,85 |
| 1" | 150 | 10 | LS280005 | 2,95 |
| 1 1/4" | 80 | 10 | LS280006 | 4,50 |
| 1 1/2" | 60 | 10 | LS280007 | 6,05 |
| 2" | 30 | 5 | LS280008 | 9,35 |
| 2 1/2" | 20 | 1 | LS28000A | 21,05 |
| 3" | 25 | 1 | LS28000B | 32,45 |
| 4" | 12 | 1 | LS28000D | 70,50 |



290 TAPÓN MACHO CON REBORDE

| Ø | 📦 | | COD. | € |
|--------|------|----|----------|-------|
| 1/8" | 1500 | 10 | LS290000 | 0,48 |
| 1/4" | 1300 | 10 | LS290001 | 0,58 |
| 3/8" | 1000 | 10 | LS290002 | 0,69 |
| 1/2" | 600 | 10 | LS290003 | 0,93 |
| 3/4" | 350 | 10 | LS290004 | 1,45 |
| 1" | 200 | 10 | LS290005 | 2,25 |
| 1 1/4" | 130 | 10 | LS290006 | 3,50 |
| 1 1/2" | 100 | 10 | LS290007 | 5,05 |
| 2" | 60 | 5 | LS290008 | 8,45 |
| 2 1/2" | 40 | 1 | LS29000A | 18,10 |
| 3" | 24 | 1 | LS29000B | 24,40 |
| 4" | 12 | 1 | LS29000D | 40,20 |



300 TAPÓN HEMBRA

| Ø | 📦 | | COD. | € |
|--------|------|----|----------|------|
| 1/4" | 1200 | 10 | LS300001 | 0,48 |
| 3/8" | 1000 | 10 | LS300002 | 0,74 |
| 1/2" | 450 | 10 | LS300003 | 1,00 |
| 3/4" | 300 | 10 | LS300004 | 1,55 |
| 1" | 200 | 10 | LS300005 | 2,35 |
| 1 1/4" | 150 | 10 | LS300006 | 2,90 |
| 1 1/2" | 120 | 10 | LS300007 | 4,35 |
| 2" | 70 | 5 | LS300008 | 6,75 |



315 CONEXIÓN A MANGUERA

| Ø | 📦 | | COD. | € |
|-----------------|-----|----|----------|-------|
| 3/8" x 12 mm. | 400 | 10 | LS315002 | 1,30 |
| 1/2" x 14 mm. | 250 | 10 | LS315003 | 2,10 |
| 1/2" x 20 mm. | 190 | 10 | LS315203 | 2,65 |
| 3/4" x 20 mm. | 150 | 10 | LS315004 | 2,90 |
| 3/4" x 25 mm. | 120 | 10 | LS315254 | 3,85 |
| 1" x 20 mm. | 100 | 10 | LS315205 | 4,50 |
| 1" x 25 mm. | 90 | 10 | LS315255 | 4,80 |
| 1" x 30 mm. | 80 | 10 | LS315005 | 5,15 |
| 1 1/4" x 35 mm. | 50 | 5 | LS315006 | 9,65 |
| 1 1/4" x 40 mm. | 40 | 5 | LS315406 | 11,70 |
| 1 1/2" x 45 mm. | 20 | 5 | LS315007 | 12,20 |
| 2" x 50 mm. | 40 | 5 | LS315508 | 19,40 |
| 2" x 60 mm. | 30 | 5 | LS315008 | 21,60 |



318 TE 5 VIAS

| Ø | 📦 | | COD. | € |
|-------------------|----|---|----------|-------|
| 1"x1"x1"x 92 mm. | 60 | 5 | LS318005 | 11,40 |
| 1"x1"x1"x 110 mm. | 50 | 5 | LS318L05 | 13,30 |



ARO DOBLE ROSCA

| Ø | 📦 | | COD. | € |
|-----------------|-------|----|----------|------|
| 1" M x 3/4" H | 500 | 10 | LS317A05 | 1,45 |
| 7/8" M x 3/4" H | 1.000 | 10 | LS317A78 | 0,59 |



529 RACOR MARSELLA

| Ø | 📦 | | COD. | € |
|--------|-----|----|----------|-------|
| 3/8" | 650 | 10 | LS529002 | 0,83 |
| 1/2" | 300 | 10 | LS529003 | 1,30 |
| 3/4" | 250 | 10 | LS529004 | 2,15 |
| 1" | 120 | 10 | LS529005 | 3,45 |
| 1 1/4" | 80 | 10 | LS529006 | 5,15 |
| 1 1/2" | 60 | 10 | LS529007 | 7,15 |
| 2" | 60 | 5 | LS529008 | 11,10 |



RACOR PARA CONTADOR M/H

| Ø | 📦 | | COD. | € |
|-----------------|-----|---|----------|-------|
| 1/2" M x 3/4" H | 180 | 2 | LS317034 | 3,65 |
| 1/2" M x 7/8" H | 140 | 2 | LS31703S | 4,15 |
| 3/4" M x 1" H | 110 | 2 | LS317045 | 5,60 |
| 1" M x 1 1/4" H | 50 | 2 | LS317056 | 10,50 |



529H RACOR MARSELLA HEXÁGONO LLAVE 12 MM.

| Ø | 📦 | | COD. | € |
|------|-----|----|----------|------|
| 1/2" | 300 | 10 | LS529H03 | 1,85 |



529L RACOR MARSELLA LARGO

| Ø | 📦 | | COD. | € |
|------|-----|----|----------|------|
| 1/2" | 270 | 10 | LS529L03 | 2,00 |



330 UNIÓN PLANA CON JUNTA H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 1/2" | 100 | 10 | LS330003 | 6,00 |
| 3/4" | 70 | 10 | LS330004 | 9,25 |
| 1" | 50 | 10 | LS330005 | 11,95 |
| 1 1/4" | 30 | 5 | LS330006 | 18,60 |
| 1 1/2" | 20 | 5 | LS330007 | 23,00 |
| 2" | 20 | 5 | LS330008 | 43,45 |



331 UNIÓN PLANA CON JUNTA M/H

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 1/2" | 100 | 10 | LS331003 | 6,20 |
| 3/4" | 60 | 10 | LS331004 | 9,80 |
| 1" | 40 | 10 | LS331005 | 14,00 |
| 1 1/4" | 25 | 5 | LS331006 | 21,45 |
| 1 1/2" | 20 | 5 | LS331007 | 27,00 |
| 2" | 20 | 5 | LS331008 | 46,00 |



340 UNIÓN CÓNICA H/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/2" | 100 | 10 | LS340003 | 6,00 |
| 3/4" | 70 | 10 | LS340004 | 9,00 |
| 1" | 50 | 10 | LS340005 | 11,55 |
| 1 1/4" | 30 | 5 | LS340006 | 18,20 |
| 1 1/2" | 20 | 5 | LS340007 | 23,70 |
| 2" | 20 | 5 | LS340008 | 37,45 |
| 2 1/2" | 14 | 1 | LS34000A | 80,50 |
| 3" | 12 | 1 | LS34000B | 106,35 |



341 UNIÓN CÓNICA M/H

| Ø | | | COD. | € |
|--------|-----|----|----------|--------|
| 1/2" | 100 | 10 | LS341003 | 6,05 |
| 3/4" | 60 | 10 | LS341004 | 8,90 |
| 1" | 40 | 10 | LS341005 | 13,35 |
| 1 1/4" | 25 | 5 | LS341006 | 19,35 |
| 1 1/2" | 20 | 5 | LS341007 | 26,20 |
| 2" | 20 | 5 | LS341008 | 38,80 |
| 2 1/2" | 10 | 1 | LS34100A | 97,80 |
| 3" | 6 | 1 | LS34100B | 136,55 |



CONEXIÓN MANGUERA / MANGUERA

| Ø | | | COD. | € |
|---------|-----|----|----------|-------|
| 20 x 20 | 120 | 20 | LSHH2020 | 5,00 |
| 25 x 25 | 80 | 20 | LSHH2525 | 8,10 |
| 30 x 30 | 40 | 10 | LSHH3030 | 12,30 |
| 35 x 35 | 20 | 10 | LSHH3535 | 19,10 |
| 40 x 40 | 20 | 5 | LSHH4040 | 32,35 |
| 45 x 45 | 25 | 5 | LSHH4545 | 34,50 |
| 50 x 50 | 20 | 5 | LSHH5050 | 33,05 |
| 60 x 60 | 15 | 5 | LSHH6060 | 56,75 |
| 70 x 70 | 12 | 1 | LSHH7070 | 81,90 |



RACOR PARA DEPÓSITOS

| Ø | | | COD. | € |
|--------|-----|----|----------|-------|
| 3/8" | 180 | 10 | LSTC0002 | 2,55 |
| 1/2" | 120 | 10 | LSTC0003 | 3,50 |
| 3/4" | 80 | 10 | LSTC0004 | 4,80 |
| 1" | 50 | 10 | LSTC0005 | 7,20 |
| 1 1/4" | 30 | 10 | LSTC0006 | 10,05 |
| 1 1/2" | 25 | 5 | LSTC0007 | 15,15 |
| 2" | 25 | 5 | LSTC0008 | 23,75 |
| 2 1/2" | 24 | 1 | LSTC000A | 34,55 |
| 3" | 12 | 1 | LSTC000B | 61,35 |



CONEXIÓN ROSCA / ROSCA

| Ø | | | COD. | € |
|-----------------|-----|----|----------|-------|
| 1/2" x 1/2" | 200 | 20 | LSTT0303 | 3,90 |
| 3/4" x 3/4" | 120 | 20 | LSTT0404 | 6,70 |
| 1" x 1" | 80 | 10 | LSTT0505 | 9,15 |
| 1 1/4" x 1 1/4" | 40 | 10 | LSTT0606 | 16,90 |
| 1 1/2" x 1 1/2" | 50 | 5 | LSTT0707 | 28,65 |
| 2" x 2" | 25 | 5 | LSTT0808 | 47,35 |
| 2 1/2" x 2 1/2" | 20 | 1 | LSTT0A0A | 56,05 |



CONEXIÓN MANGUERA / ROSCA MACHO

| Ø | | | COD. | € |
|-------------|-----|----|----------|-------|
| 1/2" x 20 | 160 | 20 | LSHT2003 | 4,70 |
| 3/4" x 25 | 100 | 20 | LSHT2504 | 7,55 |
| 1" x 30 | 50 | 10 | LSHT3005 | 10,95 |
| 1 1/4" x 35 | 30 | 10 | LSHT3506 | 17,70 |
| 1 1/4" x 40 | 30 | 5 | LSHT4006 | 30,70 |
| 1 1/2" x 45 | 35 | 5 | LSHT4507 | 31,25 |
| 2" x 60 | 20 | 5 | LSHT6008 | 51,20 |
| 2 1/2" x 70 | 16 | 1 | LSHT700A | 69,05 |



ALARGADERA - ACABADO LATÓN

| Ø | | COD. | € |
|---------------------------|--------|----------|------|
| 3/8" M x 3/8" H x 30 mm. | 360 10 | LSB00302 | 2,10 |
| 3/8" M x 3/8" H x 50 mm. | 250 5 | LSB00502 | 2,90 |
| 3/8" M x 3/8" H x 100 mm. | 180 | LSB01002 | 5,25 |
| 1/2" M x 1/2" H x 20 mm. | 450 10 | LSB00103 | 1,30 |
| 1/2" M x 1/2" H x 30 mm. | 380 10 | LSB00203 | 2,05 |
| 1/2" M x 1/2" H x 40 mm. | 240 10 | LSB00303 | 2,65 |
| 1/2" M x 1/2" H x 50 mm. | 200 10 | LSB00403 | 3,40 |
| 1/2" M x 1/2" H x 60 mm. | 160 5 | LSB00503 | 4,05 |
| 1/2" M x 1/2" H x 80 mm. | 140 5 | LSB00603 | 4,80 |
| 1/2" M x 1/2" H x 100 mm. | 130 5 | LSB00703 | 5,55 |
| 1/2" M x 1/2" H x 20 mm. | 140 | LSB00803 | 6,20 |
| 1/2" M x 1/2" H x 100 mm. | 105 | LSB01003 | 7,65 |
| 3/4" M x 3/4" H x 20 mm. | 210 10 | LSB00204 | 2,65 |
| 3/4" M x 3/4" H x 40 mm. | 130 10 | LSB00404 | 4,35 |
| 3/4" M x 3/4" H x 50 mm. | 100 5 | LSB00504 | 5,15 |
| 3/4" M x 3/4" H x 60 mm. | 90 5 | LSB00604 | 6,20 |
| 3/4" M x 3/4" H x 80 mm. | 96 1 | LSB00804 | 8,00 |
| 3/4" M x 3/4" H x 100 mm. | 78 1 | LSB01004 | 9,85 |



ALARGADERA - ACABADO CROMADO

| Ø | | COD. | € |
|---------------------------|--------|----------|-------|
| 3/8" M x 3/8" H x 30 mm. | 360 10 | LSBC0302 | 2,05 |
| 3/8" M x 3/8" H x 50 mm. | 250 5 | LSBC0502 | 3,05 |
| 3/8" M x 3/8" H x 100 mm. | 180 | LSBC1002 | 5,10 |
| 1/2" M x 1/2" H x 20 mm. | 380 10 | LSBC0203 | 2,15 |
| 1/2" M x 1/2" H x 40 mm. | 200 10 | LSBC0403 | 3,75 |
| 1/2" M x 1/2" H x 50 mm. | 160 5 | LSBC0503 | 4,40 |
| 1/2" M x 1/2" H x 60 mm. | 140 5 | LSBC0603 | 5,15 |
| 1/2" M x 1/2" H x 80 mm. | 140 1 | LSBC0803 | 6,90 |
| 1/2" M x 1/2" H x 100 mm. | 105 1 | LSBC1003 | 8,35 |
| 3/4" M x 3/4" H x 40 mm. | 130 10 | LSBC0404 | 4,80 |
| 3/4" M x 3/4" H x 50 mm. | 100 5 | LSBC0504 | 6,20 |
| 3/4" M x 3/4" H x 80 mm. | 96 1 | LSBC0804 | 8,55 |
| 3/4" M x 3/4" H x 100 mm. | 78 1 | LSBC1004 | 10,60 |



BOBINA DE LATÓN

| Ø | | COD. | € |
|------------------|-------|----------|-------|
| 1/2" x 50 mm. | 240 5 | LSN00503 | 2,40 |
| 1/2" x 60 mm. | 160 5 | LSN00603 | 3,35 |
| 1/2" x 70 mm. | 160 5 | LSN00703 | 3,65 |
| 1/2" x 80 mm. | 140 2 | LSN00803 | 4,25 |
| 1/2" x 90 mm. | 140 2 | LSN00903 | 4,75 |
| 1/2" x 100 mm. | 100 2 | LSN01003 | 5,30 |
| 1/2" x 150 mm. | 100 2 | LSN01503 | 8,55 |
| 1/2" x 200 mm. | 70 2 | LSN02003 | 11,65 |
| 1/2" x 250 mm. | 70 2 | LSN02503 | 14,75 |
| 3/4" x 50 mm. | 140 5 | LSN00504 | 3,10 |
| 3/4" x 60 mm. | 120 5 | LSN00604 | 3,90 |
| 3/4" x 70 mm. | 100 5 | LSN00704 | 5,25 |
| 3/4" x 80 mm. | 90 3 | LSN00804 | 5,50 |
| 3/4" x 90 mm. | 90 3 | LSN00904 | 6,90 |
| 3/4" x 100 mm. | 90 2 | LSN01004 | 7,05 |
| 3/4" x 150 mm. | 70 2 | LSN01504 | 10,90 |
| 3/4" x 200 mm. | 50 2 | LSN02004 | 15,70 |
| 3/4" x 250 mm. | 40 2 | LSN02504 | 19,75 |
| 1" x 50 mm. | 90 5 | LSN00505 | 4,30 |
| 1" x 60 mm. | 80 5 | LSN00605 | 6,05 |
| 1" x 70 mm. | 60 5 | LSN00705 | 6,60 |
| 1" x 80 mm. | 90 3 | LSN00805 | 8,45 |
| 1" x 90 mm. | 70 2 | LSN00905 | 10,20 |
| 1" x 100 mm. | 60 2 | LSN01005 | 11,05 |
| 1" x 125 mm. | 50 2 | LSN01255 | 13,65 |
| 1" x 150 mm. | 44 2 | LSN01505 | 16,50 |
| 1" x 200 mm. | 30 2 | LSN02005 | 23,20 |
| 1" x 250 mm. | 30 2 | LSN02505 | 30,40 |
| 1 1/4" x 50 mm. | 45 5 | LSN00506 | 6,05 |
| 1 1/4" x 60 mm. | 45 5 | LSN00606 | 7,45 |
| 1 1/4" x 70 mm. | 40 5 | LSN00706 | 8,90 |
| 1 1/4" x 80 mm. | 40 2 | LSN00806 | 10,35 |
| 1 1/4" x 90 mm. | 36 3 | LSN00906 | 12,10 |
| 1 1/4" x 100 mm. | 30 2 | LSN01006 | 13,75 |
| 1 1/4" x 125 mm. | 26 2 | LSN01256 | 17,45 |
| 1 1/4" x 150 mm. | 20 2 | LSN01506 | 21,10 |
| 1 1/4" x 200 mm. | 26 2 | LSN02006 | 29,70 |
| 1 1/4" x 250 mm. | 26 2 | LSN02506 | 42,55 |
| 1 1/2" x 100 mm. | 76 2 | LSN01007 | 16,85 |
| 1 1/2" x 150 mm. | 50 2 | LSN01507 | 26,80 |
| 1 1/2" x 200 mm. | 34 2 | LSN02007 | 36,85 |



BOBINA DE LATÓN CROMADA

| Ø | | COD. | € |
|----------------|-------|----------|-------|
| 1/2" x 50 mm. | 240 1 | LSNC0503 | 3,65 |
| 1/2" x 60 mm. | 160 1 | LSNC0603 | 4,55 |
| 1/2" x 70 mm. | 130 1 | LSNC0703 | 5,30 |
| 1/2" x 100 mm. | 100 1 | LSNC1003 | 8,25 |
| 1/2" x 150 mm. | 100 1 | LSNC1503 | 12,60 |
| 3/4" x 50 mm. | 140 1 | LSNC0504 | 4,70 |
| 3/4" x 60 mm. | 120 1 | LSNC0604 | 4,80 |
| 3/4" x 70 mm. | 100 1 | LSNC0704 | 6,90 |
| 3/4" x 100 mm. | 90 1 | LSNC1004 | 10,30 |
| 3/4" x 150 mm. | 60 1 | LSNC1504 | 16,00 |
| 1" x 50 mm. | 90 1 | LSNC0505 | 6,35 |
| 1" x 100 mm. | 45 1 | LSNC1005 | 15,40 |
| 1" x 150 mm. | 30 1 | LSNC1505 | 24,00 |



BOBINA DE PROLONGACIÓN LATÓN

| Ø | | COD. | € |
|----------------|-------|----------|-------|
| 1/2" x 100 mm. | 100 2 | LSP01003 | 5,70 |
| 1/2" x 150 mm. | 100 2 | LSP01503 | 9,20 |
| 1/2" x 200 mm. | 70 2 | LSP02003 | 12,75 |
| 3/4" x 100 mm. | 90 2 | LSP01004 | 7,60 |
| 3/4" x 150 mm. | 70 2 | LSP01504 | 11,70 |
| 3/4" x 200 mm. | 50 2 | LSP02004 | 17,00 |
| 1" x 100 mm. | 60 2 | LSP01005 | 12,00 |
| 1" x 150 mm. | 44 2 | LSP01505 | 18,00 |
| 1" x 200 mm. | 30 2 | LSP02005 | 25,30 |
| 1" x 250 mm. | 30 2 | LSP02505 | 33,20 |

ACCESORIOS ROSCADOS - CROMADOS

90 CODO 90° HEMBRA

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 350 1 | LS090P02 | 2,15 |
| 1/2" | 200 1 | LS090P03 | 2,70 |
| 3/4" | 100 1 | LS090P04 | 4,40 |
| 1" | 60 1 | LS090P05 | 6,70 |


92 CODO 90° M/H

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 350 1 | LS092P02 | 2,20 |
| 1/2" | 200 1 | LS092P03 | 3,05 |
| 3/4" | 100 1 | LS092P04 | 4,60 |
| 1" | 60 1 | LS092P05 | 7,50 |


130 TE 90°

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 250 1 | LS130P02 | 2,50 |
| 1/2" | 150 1 | LS130P03 | 3,30 |
| 3/4" | 60 1 | LS130P04 | 6,15 |
| 1" | 40 1 | LS130P05 | 8,75 |


241 REDUCCIÓN HEXAGONAL

| Ø | | COD. | € |
|-----------------|-------|----------|------|
| 1/2" M x 3/8" H | 500 1 | LS241P32 | 0,95 |
| 3/4" M x 1/2" H | 300 1 | LS241P43 | 1,50 |


245 CASQUILLO ROSCA DOBLE REDUCIDO M/M

| Ø | | COD. | € |
|-------------|-------|----------|------|
| 1/2" x 3/8" | 450 1 | LS245P32 | 1,40 |
| 3/4" x 1/2" | 400 1 | LS245P43 | 2,15 |


270 MANGUITO H/H

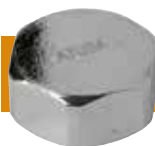
| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 350 1 | LS270P02 | 1,65 |
| 1/2" | 250 1 | LS270P03 | 2,20 |
| 3/4" | 150 1 | LS270P04 | 3,05 |
| 1" | 100 1 | LS270P05 | 4,85 |


280 CASQUILLO ROSCA DOBLE M/M

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 400 1 | LS280P02 | 1,20 |
| 1/2" | 350 1 | LS280P03 | 1,60 |
| 3/4" | 200 1 | LS280P04 | 2,25 |
| 1" | 150 1 | LS280P05 | 3,60 |


290 TAPÓN MACHO CON REBORDE

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 500 1 | LS290P02 | 0,95 |
| 1/2" | 400 1 | LS290P03 | 1,15 |
| 3/4" | 350 1 | LS290P04 | 1,75 |
| 1" | 200 1 | LS290P05 | 2,70 |


300 TAPÓN HEMBRA

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 500 1 | LS300P02 | 1,05 |
| 1/2" | 450 1 | LS300P03 | 1,20 |
| 3/4" | 300 1 | LS300P04 | 1,80 |
| 1" | 200 1 | LS300P05 | 2,70 |


529 RACOR MARSELLA

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/8" | 400 1 | LS529P02 | 1,15 |
| 1/2" | 300 1 | LS529P03 | 1,70 |
| 3/4" | 250 1 | LS529P04 | 2,65 |
| 1" | 120 1 | LS529P05 | 4,20 |

ACCESORIOS ROSCADOS - NIQUELADOS



90 CODO 90° HEMBRA

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/8" | 350 10 | LS090C02 | 2,15 |
| 1/2" | 200 10 | LS090C03 | 2,60 |
| 3/4" | 100 10 | LS090C04 | 4,15 |
| 1" | 60 10 | LS090C05 | 6,25 |



92 CODO 90° M/H

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/4" | 100 10 | LS092C04 | 4,35 |
| 1" | 60 10 | LS092C05 | 7,05 |



130 TE 90°

| Ø | | COD. | € |
|------|-------|----------|------|
| 3/4" | 60 10 | LS130C04 | 5,65 |
| 1" | 40 10 | LS130C05 | 8,20 |



241 REDUCCIÓN HEXAGONAL

| Ø | | COD. | € |
|-----------------|--------|----------|------|
| 1/2" M x 3/8" H | 500 10 | LS241C32 | 0,89 |
| 3/4" M x 1/2" H | 300 10 | LS241C43 | 1,40 |



245 CASQUILLO ROSCA DOBLE REDUCIDO M/M

| Ø | | COD. | € |
|-------------|--------|----------|------|
| 3/4" x 1/2" | 400 10 | LS245C43 | 2,05 |



270 MANGUITO H/H

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/8" | 350 10 | LS270C02 | 1,60 |
| 1/2" | 250 10 | LS270C03 | 2,10 |
| 3/4" | 150 10 | LS270C04 | 2,80 |
| 1" | 100 10 | LS270C05 | 4,55 |



280 CASQUILLO ROSCA DOBLE M/M

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/4" | 200 10 | LS280C04 | 2,15 |
| 1" | 150 10 | LS280C05 | 3,35 |



290 TAPÓN MACHO CON REBORDE

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/8" | 500 10 | LS290C02 | 0,89 |
| 1/2" | 400 10 | LS290C03 | 1,10 |
| 3/4" | 350 10 | LS290C04 | 1,60 |
| 1" | 200 10 | LS290C05 | 2,55 |



300 TAPÓN HEMBRA

| Ø | | COD. | € |
|----|--------|----------|------|
| 1" | 200 10 | LS300C05 | 2,40 |



529 RACOR MARSELLA

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/4" | 250 10 | LS529C04 | 2,55 |
| 1" | 120 10 | LS529C05 | 3,90 |



529H RACOR MARSELLA HEXÁGONO LLAVE 12 MM.

| Ø | | COD. | € |
|------|--------|----------|------|
| 1/2" | 300 10 | LS529HC3 | 1,70 |

HASTA FIN DE EXISTENCIAS

ACCESORIOS DE SOLDAR/ROSCAR

90 CODO 90° HEMBRA

| Ø | | | COD. | € |
|-----------|-----|----|----------|------|
| 1/2" x 12 | 420 | 20 | LSR90123 | 1,70 |
| 1/2" x 15 | 400 | 20 | LSR90153 | 1,80 |
| 1/2" x 18 | 270 | 15 | LSR90183 | 2,20 |
| 1/2" x 22 | 210 | 15 | LSR90223 | 2,65 |
| 3/4" x 18 | 200 | 10 | LSR90184 | 2,80 |
| 3/4" x 22 | 150 | 10 | LSR90224 | 3,20 |
| 3/4" x 28 | 100 | 10 | LSR90284 | 4,35 |
| 1" x 28 | 80 | 10 | LSR90285 | 5,50 |


92 CODO 90° MACHO

| Ø | | | COD. | € |
|-----------|-----|----|----------|------|
| 1/2" x 12 | 340 | 20 | LSR92123 | 1,55 |
| 1/2" x 15 | 320 | 20 | LSR92153 | 1,65 |
| 1/2" x 18 | 270 | 15 | LSR92183 | 2,20 |
| 1/2" x 22 | 210 | 10 | LSR92223 | 2,60 |
| 3/4" x 22 | 160 | 10 | LSR92224 | 3,10 |


243 RECTO MACHO

| Ø | | | COD. | € |
|-------------|-----|----|----------|------|
| 1/2" x 12 | 600 | 20 | LSR43123 | 1,00 |
| 1/2" x 15 | 600 | 20 | LSR43153 | 1,00 |
| 1/2" x 18 | 450 | 15 | LSR43183 | 1,45 |
| 3/4" x 15 | 375 | 15 | LSR43154 | 1,75 |
| 3/4" x 18 | 300 | 10 | LSR43184 | 1,70 |
| 3/4" x 22 | 300 | 10 | LSR43224 | 1,60 |
| 3/4" x 28 | 220 | 10 | LSR43284 | 2,25 |
| 1" x 22 | 200 | 10 | LSR43225 | 2,55 |
| 1" x 28 | 180 | 10 | LSR43285 | 2,40 |
| 1 1/2" x 42 | 60 | 5 | LSR43427 | 6,65 |


270 RECTO HEMBRA

| Ø | | | COD. | € |
|-------------|-----|----|----------|------|
| 1/2" x 12 | 560 | 20 | LSR27123 | 1,10 |
| 1/2" x 15 | 540 | 20 | LSR27153 | 1,15 |
| 1/2" x 18 | 420 | 15 | LSR27183 | 1,45 |
| 1/2" x 22 | 300 | 15 | LSR27223 | 1,60 |
| 3/4" x 15 | 330 | 15 | LSR27154 | 1,70 |
| 3/4" x 18 | 300 | 10 | LSR27184 | 1,85 |
| 3/4" x 22 | 230 | 10 | LSR27224 | 2,20 |
| 3/4" x 28 | 170 | 10 | LSR27284 | 2,35 |
| 1" x 22 | 170 | 10 | LSR27225 | 3,10 |
| 1" x 28 | 130 | 10 | LSR27285 | 3,40 |
| 1 1/4" x 35 | 70 | 5 | LSR27356 | 5,35 |
| 1 1/2" x 42 | 45 | 5 | LSR27427 | 8,00 |


359 RACOR LOCO 2 PIEZAS

| Ø | | | COD. | € |
|-----------|-----|----|----------|------|
| 1/2" x 12 | 420 | 20 | LSR59123 | 1,45 |
| 1/2" x 15 | 380 | 20 | LSR59153 | 2,15 |
| 1/2" x 18 | 330 | 15 | LSR59183 | 2,25 |
| 1/2" x 22 | 255 | 15 | LSR59223 | 2,50 |
| 3/4" x 15 | 255 | 15 | LSR59154 | 2,70 |
| 3/4" x 18 | 230 | 10 | LSR59184 | 3,10 |
| 3/4" x 22 | 180 | 10 | LSR59224 | 3,50 |
| 1" x 18 | 160 | 10 | LSR59185 | 4,50 |
| 1" x 22 | 130 | 10 | LSR59225 | 4,70 |
| 1" x 28 | 110 | 10 | LSR59285 | 5,10 |


130 TE 90° HEMBRA

| Ø | | | COD. | € |
|-----------|-----|----|----------|------|
| 1/2" x 15 | 260 | 20 | LSR13153 | 1,85 |
| 1/2" x 18 | 210 | 15 | LSR13183 | 2,55 |
| 1/2" x 22 | 120 | 15 | LSR13223 | 3,35 |
| 3/4" x 28 | 70 | 10 | LSR13284 | 5,45 |


RACOR CODO PLACA HEMBRA

| Ø | | | COD. | € |
|-----------|-----|----|----------|------|
| 1/2" x 15 | 240 | 20 | LSRCP153 | 2,35 |
| 1/2" x 22 | 135 | 15 | LSRCP223 | 3,35 |
| 3/4" x 18 | 140 | 10 | LSRCP184 | 3,75 |
| 3/4" x 22 | 120 | 10 | LSRCP224 | 4,15 |

ACCESORIOS DE REPARACIÓN

Tapaporos y derivaciones en latón.
Abrazaderas de unión para tubo de cobre.
Tubos según DIN 1786.
Elastómero: EPDM.



TAPAPOROS



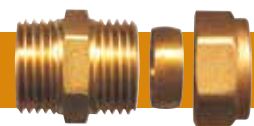
MANGUITO DERIVACIÓN

| Ø | | | COD. | € |
|----|-----|----|----------|-------|
| 10 | 160 | 10 | VS700010 | 6,65 |
| 12 | 140 | 10 | VS700012 | 7,45 |
| 14 | 100 | 10 | VS700014 | 9,55 |
| 15 | 100 | 10 | VS700015 | 10,60 |
| 16 | 90 | 10 | VS700016 | 11,55 |
| 18 | 90 | 10 | VS700018 | 12,60 |
| 20 | 80 | 10 | VS700020 | 13,70 |
| 22 | 60 | 10 | VS700022 | 13,80 |
| 25 | 50 | 5 | VS700025 | 16,05 |
| 28 | 40 | 5 | VS700028 | 18,65 |
| 32 | 35 | 5 | VS700032 | 21,40 |
| 35 | 30 | 5 | VS700035 | 22,85 |
| 42 | 20 | 5 | VS700042 | 32,60 |
| 54 | 10 | 5 | VS700054 | 52,70 |
| 63 | 7 | 1 | VS700063 | 71,40 |

| Ø | | | COD. | € |
|-----------------|-----|----|----------|-------|
| 1/2" x 10 mm. | 120 | 10 | VS701010 | 10,35 |
| 1/2" x 12 mm. | 100 | 10 | VS701012 | 11,35 |
| 1/2" x 14 mm. | 90 | 10 | VS701014 | 14,25 |
| 1/2" x 15 mm. | 90 | 10 | VS701015 | 14,90 |
| 1/2" x 16 mm. | 80 | 10 | VS701016 | 14,90 |
| 1/2" x 18 mm. | 80 | 10 | VS701018 | 15,35 |
| 1/2" x 20 mm. | 70 | 10 | VS701020 | 16,80 |
| 1/2" x 22 mm. | 60 | 10 | VS701022 | 16,80 |
| 3/4" x 25 mm. | 40 | 5 | VS701025 | 21,40 |
| 3/4" x 28 mm. | 30 | 5 | VS701028 | 23,75 |
| 3/4" x 32 mm. | 25 | 5 | VS701032 | 26,15 |
| 3/4" x 35 mm. | 25 | 5 | VS701035 | 29,80 |
| 1" x 42 mm. | 15 | 5 | VS701042 | 41,30 |
| 1 1/4" x 54 mm. | 10 | 5 | VS701054 | 68,10 |

ACCESORIOS DE LATÓN A COMPRESIÓN PARA TUBO DE COBRE

Certificación KIWA.
Certificación GASTEC.
Máxima presión de trabajo: PN 16 a 30° C.
Máxima temperatura de trabajo: 120° C.
Aplicaciones: válidos para la distribución de agua fría y caliente, instalaciones de calefacción, distribución de gas (instalaciones domésticas) y fuel líquido.



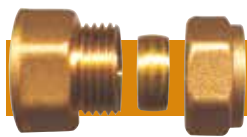
RACOR RECTO MACHO



RACOR RECTO DOBLE

| Ø | | | COD. | € |
|-----------|-----|----|----------|------|
| 3/8" x 12 | 200 | 10 | TAP00022 | 2,45 |
| 3/8" x 15 | 180 | 10 | TAP00052 | 3,10 |
| 1/2" x 12 | 150 | 10 | TAP00023 | 3,35 |
| 1/2" x 15 | 100 | 10 | TAP10053 | 3,50 |
| 1/2" x 16 | 100 | 10 | TAP10063 | 4,90 |
| 1/2" x 18 | 100 | 10 | TAP10073 | 5,20 |
| 1/2" x 22 | 70 | 10 | TAP00093 | 6,90 |
| 3/4" x 15 | 80 | 10 | TAP10054 | 5,25 |
| 3/4" x 18 | 70 | 10 | TAP10074 | 5,60 |
| 3/4" x 22 | 50 | 10 | TAP10094 | 5,45 |
| 1" x 22 | 50 | 10 | TAP10095 | 6,90 |
| 1" x 28 | 30 | 5 | TAP100B5 | 8,45 |

| Ø | | | COD. | € |
|---------|-----|----|----------|-------|
| 12 x 12 | 150 | 10 | TAP00122 | 3,35 |
| 15 x 12 | 100 | 10 | TAP00152 | 3,75 |
| 15 x 15 | 100 | 10 | TAP10155 | 4,45 |
| 16 x 16 | 100 | 10 | TAP10166 | 6,30 |
| 18 x 18 | 100 | 10 | TAP10177 | 7,05 |
| 22 x 15 | 60 | 10 | TAP00195 | 6,55 |
| 22 x 22 | 50 | 10 | TAP00199 | 6,70 |
| 28 x 28 | 30 | 5 | TAP001BB | 10,60 |



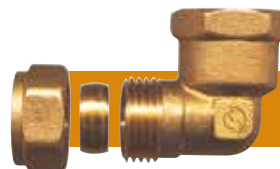
RACOR RECTO HEMBRA

| Ø | | | COD. | € |
|-----------|-----|----|----------|-------|
| 3/8" x 10 | 200 | 10 | TAP00212 | 2,85 |
| 3/8" x 12 | 150 | 10 | TAP00222 | 2,95 |
| 3/8" x 15 | 120 | 10 | TAP00252 | 4,80 |
| 1/2" x 12 | 150 | 10 | TAP00223 | 4,70 |
| 1/2" x 15 | 100 | 10 | TAP10253 | 3,55 |
| 1/2" x 16 | 100 | 10 | TAP10263 | 5,95 |
| 1/2" x 18 | 100 | 10 | TAP10273 | 5,60 |
| 1/2" x 22 | 60 | 10 | TAP00293 | 7,85 |
| 3/4" x 15 | 80 | 10 | TAP00254 | 6,30 |
| 3/4" x 18 | 60 | 10 | TAP10274 | 7,65 |
| 3/4" x 22 | 50 | 10 | TAP00294 | 6,05 |
| 1" x 22 | 50 | 10 | TAP10295 | 9,40 |
| 1" x 28 | 30 | 5 | TAP002B5 | 10,80 |



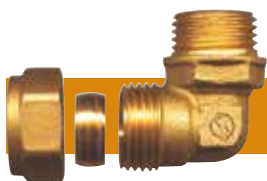
RACOR CODO DOBLE

| Ø | | | COD. | € |
|---------|-----|----|----------|-------|
| 12 x 12 | 100 | 10 | TAP00322 | 4,35 |
| 15 x 15 | 100 | 10 | TAP10355 | 4,60 |
| 16 x 16 | 70 | 10 | TAP10366 | 6,60 |
| 18 x 18 | 60 | 10 | TAP10377 | 7,30 |
| 22 x 22 | 40 | 10 | TAP00399 | 7,85 |
| 28 x 28 | 20 | 5 | TAP003BB | 12,75 |



RACOR CODO HEMBRA

| Ø | | | COD. | € |
|-----------|-----|----|----------|-------|
| 3/8" x 12 | 100 | 10 | TAP00522 | 4,10 |
| 1/2" x 12 | 100 | 10 | TAP00523 | 4,65 |
| 1/2" x 15 | 80 | 10 | TAP00553 | 4,55 |
| 1/2" x 16 | 60 | 10 | TAP10563 | 7,15 |
| 1/2" x 18 | 70 | 10 | TAP10573 | 6,85 |
| 3/4" x 15 | 50 | 10 | TAP00554 | 6,90 |
| 3/4" x 22 | 50 | 10 | TAP00594 | 7,75 |
| 1" x 28 | 30 | 5 | TAP005B5 | 13,95 |



RACOR CODO MACHO

| Ø | | | COD. | € |
|-----------|-----|----|----------|-------|
| 3/8" x 12 | 150 | 10 | TAP00422 | 3,85 |
| 1/2" x 12 | 120 | 10 | TAP00423 | 5,30 |
| 1/2" x 15 | 100 | 10 | TAP10453 | 5,05 |
| 1/2" x 18 | 60 | 10 | TAP10473 | 5,65 |
| 3/4" x 22 | 40 | 10 | TAP10494 | 7,75 |
| 1" x 28 | 30 | 5 | TAP104B5 | 13,85 |



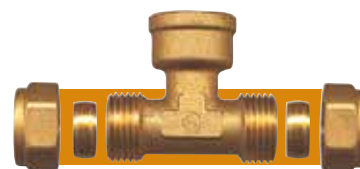
RACOR CODO PLACA HEMBRA

| Ø | | | COD. | € |
|-----------|----|----|----------|------|
| 1/2" x 15 | 40 | 10 | TAP00653 | 7,85 |



RACOR EN T

| Ø | | | COD. | € |
|--------------|-----|----|----------|-------|
| 12 x 12 x 12 | 100 | 10 | TAP07222 | 5,10 |
| 15 x 15 x 15 | 60 | 10 | TAP17555 | 6,20 |
| 16 x 16 x 16 | 40 | 10 | TAP17666 | 9,40 |
| 18 x 18 x 18 | 50 | 10 | TAP17777 | 9,50 |
| 22 x 15 x 22 | 30 | 10 | TAP07959 | 8,65 |
| 22 x 22 x 22 | 20 | 10 | TAP07999 | 9,90 |
| 28 x 28 x 28 | 15 | 5 | TAP07BBB | 16,30 |



RACOR EN T HEMBRA

| Ø | | | COD. | € |
|----------------|----|----|----------|-------|
| 1/2" x 15 x 15 | 50 | 10 | TAP19535 | 7,15 |
| 1/2" x 22 x 22 | 30 | 10 | TAP09939 | 8,45 |
| 3/4" x 22 x 22 | 30 | 10 | TAP19949 | 11,80 |

ACCESORIOS A COMPRESIÓN PARA TUBO PEX

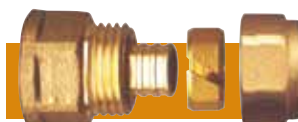
Máxima presión de trabajo: PN 16 a 60° C.

Máxima temperatura de trabajo: 95° C.

Aplicaciones: válidos para la distribución a presión de fluidos no alimenticios con temperatura no superior a 80° C (p.e. instalaciones de calefacción) y de fluidos alimenticios y de uso sanitario (p.e. instalaciones higiénico-sanitarias).



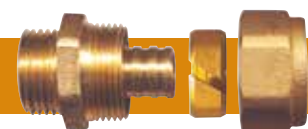
RACOR RECTO DOBLE



RACOR RECTO HEMBRA

| Ø | | COD. | € |
|---------------|--------|----------|-------|
| 12 x 12 x 2.0 | 100 10 | TR8RD012 | 6,85 |
| 15 x 15 x 2.5 | 100 10 | TR8RD015 | 6,65 |
| 16 x 16 x 2.0 | 100 10 | TR9RD016 | 6,70 |
| 16 x 16 x 2.2 | 100 10 | TR8RD016 | 6,35 |
| 18 x 18 x 2.5 | 80 10 | TR8RD018 | 8,55 |
| 20 x 20 x 2.0 | 60 10 | TR9RD020 | 10,90 |
| 20 x 20 x 2.8 | 60 10 | TR8RD020 | 10,60 |
| 22 x 22 x 3.0 | 50 5 | TR8RD022 | 12,00 |
| 25 x 25 x 2.3 | 40 5 | TR9RD025 | 15,45 |
| 25 x 25 x 3.5 | 40 10 | TR8RD025 | 15,60 |
| 32 x 32 x 3.0 | 25 1 | TR9RD032 | 24,15 |

| Ø | | COD. | € |
|-----------------|--------|-------------|-------|
| 3/8" x 12 x 2.0 | 150 10 | TR8RH122 | 3,65 |
| 1/2" x 12 x 2.0 | 150 10 | TR9RH123 | 4,05 |
| 1/2" x 15 x 2.5 | 150 10 | TR8RH153 | 3,65 |
| 1/2" x 16 x 2.0 | 150 10 | TR9RH163 | 3,85 |
| 1/2" x 16 x 2.2 | 150 10 | TR8RH163 | 3,85 |
| 1/2" x 18 x 2.5 | 100 10 | TR8RH183 | 5,25 |
| 1/2" x 20 x 2.0 | 80 10 | TR9RH203 | 6,05 |
| 1/2" x 20 x 2.8 | 80 10 | TR8RH203 | 6,10 |
| 1/2" x 22 x 3.0 | 60 10 | TR8RH223 | 7,55 |
| 3/4" x 16 x 2.0 | 100 10 | TR9RH164 | 4,60 |
| 3/4" x 16 x 2.2 | 100 10 | TR8RH164 | 4,60 |
| 3/4" x 18 x 2.5 | 80 10 | TR8RH184 | 5,40 |
| 3/4" x 20 x 2.0 | 80 10 | TR9RH204 | 6,30 |
| 3/4" x 20 x 2.8 | 80 10 | TR8RH204 | 6,05 |
| 3/4" x 22 x 3.0 | 70 10 | TR8RH224 | 7,95 |
| 3/4" x 25 x 2.3 | 50 10 | TR9RH254 | 11,20 |
| 3/4" x 25 x 3.5 | 50 5 | TR8RH254 | 10,75 |
| 3/4" x 32 x 3.0 | 40 5 | TR9RH324 | 13,95 |
| 1" x 25 x 2.3 | 40 5 | TR9RH255(1) | 11,95 |
| 1" x 25 x 3.5 | 40 5 | TR8RH255 | 13,15 |
| 1" x 32 x 3.0 | 40 1 | TR9RH325 | 15,85 |



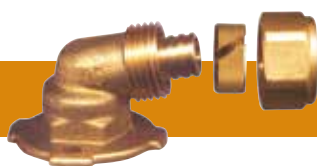
RACOR RECTO MACHO

| Ø | | COD. | € |
|-----------------|--------|----------|-------|
| 3/8" x 12 x 2.0 | 170 10 | TR8RM122 | 3,65 |
| 1/2" x 12 x 2.0 | 170 10 | TR8RM123 | 3,55 |
| 1/2" x 15 x 2.5 | 160 10 | TR8RM153 | 3,55 |
| 1/2" x 16 x 2.0 | 160 10 | TR9RM163 | 3,55 |
| 1/2" x 16 x 2.2 | 160 10 | TR8RM163 | 3,55 |
| 1/2" x 18 x 2.5 | 100 10 | TR8RM183 | 4,80 |
| 1/2" x 20 x 2.0 | 100 10 | TR9RM203 | 5,80 |
| 1/2" x 20 x 2.8 | 100 10 | TR8RM203 | 5,85 |
| 1/2" x 22 x 3.0 | 60 10 | TR8RM223 | 7,75 |
| 3/4" x 16 x 2.0 | 120 10 | TR9RM164 | 4,25 |
| 3/4" x 16 x 2.2 | 120 10 | TR8RM164 | 4,25 |
| 3/4" x 18 x 2.5 | 100 10 | TR8RM184 | 5,20 |
| 3/4" x 20 x 2.0 | 80 10 | TR9RM204 | 5,70 |
| 3/4" x 20 x 2.8 | 80 10 | TR8RM204 | 5,65 |
| 3/4" x 22 x 3.0 | 60 10 | TR8RM224 | 7,00 |
| 3/4" x 25 x 2.3 | 50 10 | TR9RM254 | 10,55 |
| 3/4" x 25 x 3.5 | 50 10 | TR8RM254 | 11,00 |
| 3/4" x 32 x 3.0 | 40 5 | TR9RM324 | 14,50 |
| 1" x 25 x 2.3 | 40 5 | TR9RM255 | 12,70 |
| 1" x 25 x 3.5 | 40 10 | TR8RM255 | 12,55 |
| 1" x 32 x 3.0 | 40 1 | TR9RM325 | 15,30 |



RACOR CODO DOBLE

| Ø | | COD. | € |
|---------------|-------|--------------|-------|
| 12 x 12 x 2.0 | 80 10 | TR9CD012 | 7,60 |
| 15 x 15 x 2.5 | 80 10 | TR8CD015 | 7,20 |
| 16 x 16 x 2.0 | 80 10 | TR9CD016 | 7,15 |
| 16 x 16 x 2.2 | 80 10 | TR8CD016 | 7,40 |
| 18 x 18 x 2.5 | 60 10 | TR8CD018 | 10,75 |
| 20 x 20 x 2.0 | 50 10 | TR9CD020 | 12,00 |
| 20 x 20 x 2.8 | 50 10 | TR8CD020 | 12,20 |
| 22 x 22 x 3.0 | 40 10 | TR8CD022 | 14,50 |
| 25 x 25 x 2.3 | 20 5 | TR9CD025 | 20,05 |
| 25 x 25 x 3.5 | 20 5 | TR8CD025 (1) | 20,75 |
| 32 x 32 x 3.0 | 20 1 | TR9CD032 | 30,00 |



RACOR EN ÁNGULO 100°

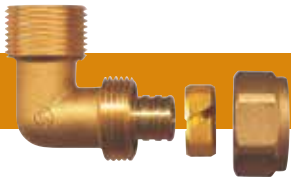


RACOR EN ÁNGULO 105°

| Ø | | COD. | € |
|-----------------|-------|----------|------|
| 1/2" x 16 x 2.0 | 70 10 | TR9A0163 | 5,95 |
| 1/2" x 16 x 2.2 | 70 10 | TR8A0163 | 5,95 |

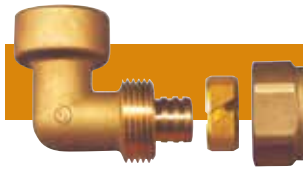
| Ø | | COD. | € |
|-----------------|-------|----------|------|
| 1/2" x 16 x 2.0 | 70 10 | TR9A5163 | 6,55 |

(1) Hasta fin de existencias



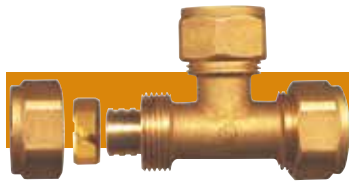
RACOR CODO MACHO

| Ø | | COD. | € |
|-----------------|--------|-------------|-------|
| 1/2" x 15 x 2.5 | 100 10 | TR8CM153 | 6,10 |
| 1/2" x 16 x 2.0 | 100 10 | TR9CM163 | 5,65 |
| 1/2" x 16 x 2.2 | 100 10 | TR8CM163 | 5,65 |
| 1/2" x 18 x 2.5 | 80 10 | TR8CM183 | 7,05 |
| 1/2" x 20 x 2.0 | 60 10 | TR9CM203 | 9,45 |
| 1/2" x 20 x 2.8 | 60 10 | TR8CM203(1) | 9,05 |
| 3/4" x 16 x 2.0 | 70 10 | TR9CM164 | 6,60 |
| 3/4" x 16 x 2.2 | 70 10 | TR8CM164 | 6,60 |
| 3/4" x 18 x 2.5 | 70 10 | TR8CM184 | 7,95 |
| 3/4" x 20 x 2.0 | 50 10 | TR9CM204 | 9,30 |
| 3/4" x 20 x 2.8 | 50 10 | TR8CM204 | 9,30 |
| 3/4" x 22 x 3.0 | 50 10 | TR8CM224 | 11,50 |
| 3/4" x 25 x 2.3 | 30 5 | TR9CM254 | 15,95 |
| 3/4" x 25 x 3.5 | 30 5 | TR8CM254 | 15,30 |
| 3/4" x 32 x 3.0 | 20 5 | TR9CM324 | 19,00 |
| 1" x 25 x 2.3 | 30 5 | TR9CM255 | 18,40 |
| 1" x 25 x 3.5 | 30 5 | TR8CM255 | 18,30 |
| 1" x 32 x 3.0 | 20 1 | TR9CM325 | 21,90 |



RACOR CODO HEMBRA

| Ø | | COD. | € |
|-----------------|-------|-------------|-------|
| 3/8" x 15 x 2.5 | 80 10 | TR8CH152(1) | 5,30 |
| 1/2" x 12 x 2.0 | 80 10 | TR8CH123 | 6,10 |
| 1/2" x 15 x 2.5 | 80 10 | TR8CH153 | 6,10 |
| 1/2" x 16 x 2.0 | 80 10 | TR9CH163 | 6,10 |
| 1/2" x 16 x 2.2 | 80 10 | TR8CH163 | 6,10 |
| 1/2" x 18 x 2.5 | 70 10 | TR8CH183 | 8,35 |
| 1/2" x 20 x 2.0 | 60 10 | TR9CH203 | 8,75 |
| 1/2" x 20 x 2.8 | 60 10 | TR8CH203 | 8,55 |
| 1/2" x 22 x 3.0 | 40 10 | TR8CH223 | 10,00 |
| 3/4" x 16 x 2.0 | 40 10 | TR9CH164 | 6,85 |
| 3/4" x 16 x 2.2 | 40 10 | TR8CH164 | 6,85 |
| 3/4" x 18 x 2.5 | 40 10 | TR8CH184 | 7,95 |
| 3/4" x 20 x 2.0 | 40 10 | TR9CH204 | 9,45 |
| 3/4" x 20 x 2.8 | 40 10 | TR8CH204 | 9,45 |
| 3/4" x 22 x 3.0 | 40 10 | TR8CH224 | 11,55 |
| 3/4" x 25 x 2.3 | 30 5 | TR9CH254 | 16,30 |
| 3/4" x 25 x 3.5 | 30 5 | TR8CH254 | 15,45 |
| 3/4" x 32 x 3.0 | 20 5 | TR9CH324(1) | 23,85 |
| 1" x 25 x 2.3 | 30 5 | TR9CH255 | 18,40 |
| 1" x 25 x 3.5 | 30 5 | TR8CH255 | 18,40 |
| 1" x 32 x 3.0 | 20 1 | TR9CH325 | 22,75 |



RACOR EN T

| Ø | | COD. | € |
|--------------------|-------|-------------|-------|
| 12 x 12 x 12 x 2.0 | 60 10 | TR9TD012(1) | 10,10 |
| 15 x 15 x 15 x 2.5 | 60 10 | TR8TD015 | 10,35 |
| 16 x 16 x 16 x 2.0 | 60 10 | TR9TD016 | 10,05 |
| 16 x 16 x 16 x 2.2 | 60 10 | TR8TD016 | 10,05 |
| 18 x 18 x 18 x 2.5 | 40 10 | TR8TD018 | 15,20 |
| 20 x 20 x 20 x 2.0 | 30 10 | TR9TD020 | 16,05 |
| 22 x 22 x 22 x 3.0 | 20 5 | TR8TD022 | 20,65 |
| 25 x 25 x 25 x 2.3 | 20 5 | TR9TD025 | 27,55 |
| 32 x 32 x 32 x 3.0 | 10 1 | TR9TD032(1) | 41,05 |



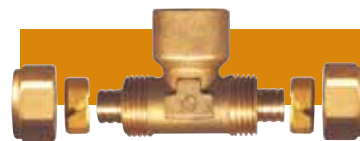
RACOR CODO PLACA HEMBRA

| Ø | | COD. | € |
|-----------------|-------|--------------|------|
| 1/2" x 15 x 2.5 | 50 10 | TR8CP153 (1) | 6,60 |
| 1/2" x 16 x 2.0 | 50 10 | TR9CP163 | 6,95 |
| 1/2" x 16 x 2.2 | 50 10 | TR8CP163 | 6,95 |
| 1/2" x 18 x 2.5 | 50 10 | TR8CP183 | 8,90 |
| 1/2" x 20 x 2.0 | 40 10 | TR9CP203 | 9,90 |
| 1/2" x 20 x 2.8 | 40 10 | TR8CP203 | 9,90 |



RACOR EN T MACHO

| Ø | | COD. | € |
|-----------------|-------|----------|-------|
| 1/2" x 16 x 2.0 | 60 10 | TR9TM163 | 8,40 |
| 1/2" x 20 x 2.0 | 30 10 | TR9TM203 | 13,40 |
| 1/2" x 20 x 2.8 | 30 10 | TR8TM203 | 13,40 |
| 1/2" x 22 x 3.0 | 30 10 | TR8TM223 | 16,05 |
| 3/4" x 16 x 2.2 | 40 10 | TR8TM164 | 11,15 |
| 3/4" x 20 x 2.0 | 30 10 | TR9TM204 | 15,20 |
| 3/4" x 20 x 2.8 | 30 10 | TR8TM204 | 15,20 |
| 3/4" x 25 x 2.3 | 20 10 | TR9TM254 | 23,60 |
| 3/4" x 25 x 3.5 | 20 5 | TR8TM254 | 22,75 |
| 3/4" x 32 x 3.0 | 20 5 | TR9TM324 | 50,10 |
| 1" x 32 x 3.0 | 10 1 | TR9TM325 | 33,70 |



RACOR EN T HEMBRA

| Ø | | COD. | € |
|-----------------|-------|-------------|-------|
| 1/2" x 15 x 2.5 | 50 10 | TR8TH153 | 8,90 |
| 1/2" x 16 x 2.0 | 50 10 | TR9TH163 | 8,90 |
| 1/2" x 16 x 2.2 | 50 10 | TR8TH163 | 8,90 |
| 1/2" x 18 x 2.5 | 40 10 | TR8TH183 | 12,55 |
| 1/2" x 20 x 2.0 | 30 10 | TR9TH203 | 13,60 |
| 1/2" x 22 x 3.0 | 30 10 | TR8TH223 | 16,60 |
| 3/4" x 16 x 2.0 | 30 10 | TR9TH164 | 10,75 |
| 3/4" x 16 x 2.2 | 30 10 | TR8TH164 | 10,75 |
| 3/4" x 20 x 2.0 | 30 10 | TR9TH204 | 14,10 |
| 3/4" x 20 x 2.8 | 30 10 | TR8TH204 | 14,10 |
| 3/4" x 22 x 3.0 | 30 5 | TR8TH224 | 16,25 |
| 3/4" x 25 x 2.3 | 20 5 | TR9TH254 | 24,15 |
| 3/4" x 25 x 3.5 | 20 5 | TR8TH254(1) | 23,15 |
| 3/4" x 32 x 3.0 | 15 5 | TR9TH324 | 49,45 |
| 1" x 25 x 2.3 | 20 5 | TR9TH255 | 24,55 |
| 1" x 25 x 3.5 | 20 5 | TR8TH255 | 24,55 |
| 1" x 32 x 3.0 | 15 1 | TR9TH325 | 34,25 |

(1) Hasta fin de existencias



**CAJA PLASTICO PARA
R. ÁNGULO 100° Y 105°**

| Ø | 📦 | | COD. | € |
|-------|-----|---|----------|------|
| Única | 400 | 1 | TR9PL100 | 2,95 |

ACCESORIOS A COMPRESIÓN PARA TUBO MULTICAPA PEX-AL-PEX

Máxima presión de trabajo: PN 10 a 60° C.

Máxima temperatura de trabajo: 95° C.

Accesorios válidos para tubos PEX-AL-PEX.

Aplicaciones: válidos para la distribución a presión de fluidos no alimenticios con temperatura no superior a 95° C (p.e. instalaciones de calefacción) y de fluidos alimenticios y de uso sanitario (p.e. aguas residuales).



**RACOR RECTO
DOBLE**

| Ø | 📦 | | COD. | € |
|---------|-----|----|----------|-------|
| 16 x 16 | 100 | 10 | TM011616 | 8,70 |
| 18 x 18 | 80 | 10 | TM011818 | 13,05 |
| 20 x 20 | 60 | 10 | TM012020 | 12,50 |
| 26 x 26 | 40 | 5 | TM012626 | 21,25 |
| 32 x 32 | 25 | 5 | TM013232 | 41,40 |



RACOR RECTO HEMBRA

| Ø | 📦 | | COD. | € |
|-----------|-----|----|----------|-------|
| 1/2" x 16 | 150 | 10 | TM021603 | 5,85 |
| 1/2" x 18 | 100 | 10 | TM021803 | 7,05 |
| 1/2" x 20 | 80 | 10 | TM022003 | 7,00 |
| 3/4" x 16 | 100 | 10 | TM021604 | 7,55 |
| 3/4" x 18 | 80 | 10 | TM021804 | 7,65 |
| 3/4" x 20 | 80 | 10 | TM022004 | 7,95 |
| 3/4" x 26 | 50 | 5 | TM022604 | 14,70 |
| 1" x 26 | 40 | 5 | TM022605 | 15,25 |
| 1" x 32 | 40 | 5 | TM023205 | 24,60 |



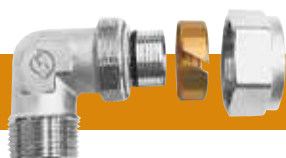
RACOR RECTO MACHO

| Ø | 📦 | | COD. | € |
|-----------|-----|----|----------|-------|
| 1/2" x 16 | 160 | 10 | TM001603 | 5,15 |
| 1/2" x 18 | 100 | 10 | TM001803 | 6,85 |
| 1/2" x 20 | 100 | 10 | TM002003 | 6,85 |
| 3/4" x 16 | 120 | 10 | TM001604 | 7,15 |
| 3/4" x 18 | 100 | 10 | TM001804 | 7,15 |
| 3/4" x 20 | 80 | 10 | TM002004 | 7,15 |
| 3/4" x 26 | 50 | 5 | TM002604 | 12,80 |
| 1" x 26 | 40 | 5 | TM002605 | 12,80 |
| 1" x 32 | 40 | 1 | TM003205 | 24,35 |



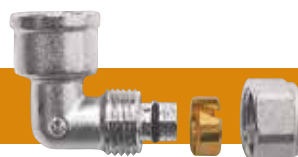
RACOR CODO DOBLE

| Ø | 📦 | | COD. | € |
|---------|----|----|----------|-------|
| 16 x 16 | 80 | 10 | TM031616 | 10,70 |
| 18 x 18 | 50 | 10 | TM031818 | 13,60 |
| 20 x 20 | 50 | 10 | TM032020 | 13,60 |
| 26 x 26 | 20 | 5 | TM032626 | 22,90 |
| 32 x 32 | 20 | 1 | TM033232 | 43,30 |



RACOR CODO MACHO

| Ø | | COD. | € |
|-----------|--------|----------|-------|
| 1/2" x 16 | 100 10 | TM041603 | 7,30 |
| 1/2" x 18 | 80 10 | TM041803 | 10,00 |
| 1/2" x 20 | 60 10 | TM042003 | 10,40 |
| 3/4" x 16 | 70 10 | TM041604 | 9,45 |
| 3/4" x 18 | 70 10 | TM041804 | 9,90 |
| 3/4" x 20 | 50 10 | TM042004 | 10,40 |
| 3/4" x 26 | 30 5 | TM042604 | 18,40 |
| 1" x 26 | 30 5 | TM042605 | 18,55 |
| 1" x 32 | 30 1 | TM043205 | 30,35 |



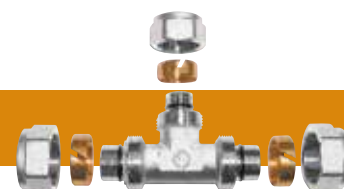
RACOR CODO HEMBRA

| Ø | | COD. | € |
|-----------|-------|----------|-------|
| 1/2" x 16 | 80 10 | TM051603 | 7,75 |
| 1/2" x 18 | 70 10 | TM051803 | 9,75 |
| 1/2" x 20 | 60 10 | TM052003 | 9,90 |
| 3/4" x 16 | 40 10 | TM051604 | 10,35 |
| 3/4" x 18 | 40 10 | TM051804 | 9,90 |
| 3/4" x 20 | 40 10 | TM052004 | 10,40 |
| 3/4" x 26 | 30 5 | TM052604 | 19,40 |
| 1" x 26 | 30 5 | TM052605 | 21,65 |
| 1" x 32 | 20 1 | TM053205 | 31,35 |



RACOR CODO PLACA HEMBRA

| Ø | | COD. | € |
|-----------|-------|----------|-------|
| 1/2" x 16 | 50 10 | TM061603 | 11,60 |
| 1/2" x 18 | 50 10 | TM061803 | 12,00 |



RACOR EN T

| Ø | | COD. | € |
|--------------|-------|----------|-------|
| 16 x 16 x 16 | 60 10 | TM070666 | 15,05 |
| 18 x 18 x 18 | 30 10 | TM070777 | 19,95 |
| 20 x 20 x 20 | 30 10 | TM070888 | 20,10 |
| 26 x 26 x 26 | 20 5 | TM072666 | 32,95 |
| 32 x 32 x 32 | 10 1 | TM070CCC | 56,60 |



RACOR EN T MACHO

| Ø | | COD. | € |
|-----------|-------|----------|-------|
| 1/2" x 16 | 60 10 | TM080636 | 11,40 |
| 1/2" x 18 | 40 10 | TM080737 | 14,60 |
| 1/2" x 20 | 30 10 | TM080838 | 14,60 |
| 3/4" x 16 | 40 10 | TM080646 | 15,85 |
| 3/4" x 18 | 40 10 | TM080747 | 16,30 |
| 3/4" x 20 | 30 10 | TM080848 | 16,40 |
| 3/4" x 26 | 20 5 | TM082646 | 28,40 |
| 1" x 26 | 15 5 | TM082656 | 29,65 |
| 1" x 32 | 10 1 | TM080C5C | 48,70 |



RACOR EN T HEMBRA

| Ø | | COD. | € |
|-----------|-------|----------|-------|
| 1/2" x 16 | 50 10 | TM090636 | 11,90 |
| 1/2" x 18 | 40 10 | TM090737 | 15,20 |
| 1/2" x 20 | 30 10 | TM090838 | 15,15 |
| 3/4" x 16 | 30 10 | TM090646 | 16,05 |
| 3/4" x 18 | 30 10 | TM090747 | 16,55 |
| 3/4" x 20 | 30 10 | TM090848 | 17,55 |
| 3/4" x 26 | 20 5 | TM092646 | 29,65 |
| 1" x 26 | 20 5 | TM092656 | 29,05 |
| 1" x 32 | 10 1 | TM090C5C | 48,20 |



TAPÓN PARA TUBO MULTICAPA

| Ø | | COD. | € |
|----------|--------|----------|------|
| 16 x 2,0 | 300 10 | TMTP1603 | 3,10 |



ACCESORIOS
POLIETILENO

ACCESORIOS
DE
POLIETILENO

Los accesorios electrosoldables ATUSA son utilizados en la unión de tuberías de polietileno para el transporte de gas hasta 10 bares y de agua potable y fluidos hasta 16 bares de presión nominal.

Las principales aplicaciones son conducción de agua y gas, sistemas de riego, instalaciones industriales, acometidas de viviendas.

DATOS TÉCNICOS

Material:

La materia prima cumple con las exigencias de la EN 1555 y la EN 12201.

Tanto los productos de electrofusión como los de soldar a tope están hechos de PE 100-RC.

Especificación técnica de la materia prima:

| Parámetros | Descripción | Unidad | Método test |
|------------------------------------|--------------|-------------------|-------------|
| Densidad | ≥930 | kg/m ³ | ISO 1183 |
| Índice de fluidez | de 0,2 a 1,4 | g/10 min | EN ISO 1133 |
| Tiempo de inducción a la oxidación | ≥20 | min | ISO 11357-1 |
| Color | Negro | | |

Características geométricas:

Determinación de dimensiones según EN ISO 3126.

Todas las dimensiones de los accesorios cumplen los requisitos de la EN 1555 y la EN 12201.

Resistencia a la presión interna:

Gas:

Presión máxima operativa (MOP)

10 bar – SDR 11

6 bar – SDR 17

Agua:

PN 16 para SDR 11

PN 10 para SDR 17

Fusión:

La fusión puede realizarse:

- 1) Automáticamente (con lector de código de barras).
- 2) Manual (Introduciendo los datos de la etiqueta).
- 3) Los accesorios electrosoldables pueden soldar tubos PE 100, PE 100-RC y PE 80.

Marcado:

| Datos | Descripción |
|---------------------------|----------------------|
| Descripción | EN 12201 PN: EN 1555 |
| Diámetro nominal del tubo | P.ej. 110 |
| Material | P.ej. PE 100-RC |
| SDR del accesorio | SDR 11 |
| SDR rango fusión | SDR 11 - SDR 17 |
| Aplicaciones | gas/agua |
| Fecha de la fabricación | P.ej. 01/2021 |

ACCESORIOS ELECTROSOLDABLES

Los accesorios electrosoldables comercializados por ATUSA cuentan con las siguientes características:



1. La flecha indica el mes de fabricación y los dos dígitos a ambos lados indican el año.
2. Conectores de latón con diámetro estándar de 4.0 mm. y posibilidad de adaptadores para diámetro de 4.7 mm.
3. Placa de características: Indica el diámetro del fitting, material, SDR, uso (gas y agua).
4. Indicadores de soldadura: Permiten percibir visualmente si el proceso de soldadura se ha llevado a cabo de manera satisfactoria.
5. Espiral de calentamiento: Cubierto con material de PE que protege de daños durante la instalación del accesorio en una línea de tubería.
6. Etiqueta: Contiene información del tamaño y el diámetro del accesorio (el mismo que en la placa de características del apartado 3); número identificativo, un número único que lo diferencia y hace posible determinar la fecha exacta de fabricación y el lote del material del que ha sido fabricado; presión máxima de trabajo; tiempo de calentamiento y enfriamiento; voltaje (siempre 39.5 Volt.); SDR; código de barras, datos para las máquinas de soldadura equipadas con escáner; estándares con los que cumplen los accesorios.

INSTRUCCIONES DE MONTAJE



1. Medir el diámetro del tubo.



2. Escoger el accesorio adecuado.



3. Cortar el tubo de forma totalmente recta.



4. Medir la zona a rasar.



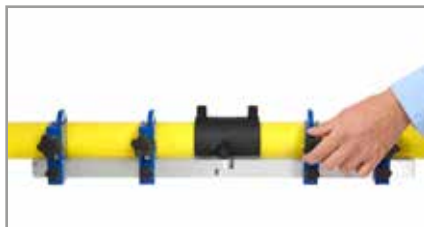
5. Rasar la zona de soldadura del tubo.



6. Limpiar la zona de soldadura con un líquido adecuado.



7. Marcar la profundidad de inserción del tubo.



8. Utilizar el alineador para evitar movimientos del tubo.



9. Leer el código de barras.



10. Seguir las instrucciones indicadas en la máquina.



11. Inicio de la soldadura.



12. Asegurarse de que los testigos de soldadura han subido.

IMPORTANTE: Usar una máquina bien calibrada y aplicar limpiadores recomendados.


MANGUITO

| Ø | | | COD. | € |
|-----|-----|---|----------|--------|
| 20 | 200 | 1 | E2700020 | 4,15 |
| 25 | 200 | 1 | E2700025 | 4,15 |
| 32 | 180 | 1 | E2700032 | 4,40 |
| 40 | 120 | 1 | E2700040 | 5,30 |
| 50 | 90 | 1 | E2700050 | 6,45 |
| 63 | 50 | 1 | E2700063 | 5,65 |
| 75 | 30 | 1 | E2700075 | 10,85 |
| 90 | 20 | 1 | E2700090 | 10,80 |
| 110 | 14 | 1 | E2700110 | 14,10 |
| 125 | 20 | 1 | E2700125 | 21,10 |
| 140 | 14 | 1 | E2700140 | 28,75 |
| 160 | 12 | 1 | E2700160 | 26,80 |
| 180 | 6 | 1 | E2700180 | 52,95 |
| 200 | 6 | 1 | E2710200 | 46,50 |
| 200 | 4 | 1 | E2700200 | 52,20 |
| 225 | 4 | 1 | E2710225 | 68,80 |
| 225 | 2 | 1 | E2700225 | 79,60 |
| 250 | 2 | 1 | E2710250 | 100,10 |
| 250 | 2 | 1 | E2700250 | 109,00 |
| 280 | 2 | 1 | E2710280 | 176,50 |
| 280 | 1 | 1 | E2700280 | 204,65 |
| 315 | 2 | 1 | E2710315 | 153,50 |
| 315 | 1 | 1 | E2700315 | 173,75 |
| 355 | 2 | 1 | E2710355 | 248,35 |
| 400 | 1 | 1 | E2710400 | 286,45 |
| 450 | 1 | 1 | E2710450 | 413,20 |

SDR 11

SDR 17


REDUCCIÓN

| Ø | | | COD. | € |
|---------|-----|---|-----------|--------|
| 25/20 | 180 | 1 | ER002520 | 7,90 |
| 32/20 | 180 | 1 | ER003220 | 8,10 |
| 32/25 | 180 | 1 | ER003225 | 8,50 |
| 40/25 | 120 | 1 | ER004025 | 12,10 |
| 40/32 | 120 | 1 | ER004032 | 10,05 |
| 50/25 | 100 | 1 | ER005025 | 13,55 |
| 50/32 | 100 | 1 | ER005032 | 11,70 |
| 50/40 | 90 | 1 | ER005040 | 11,85 |
| 63/25 | 50 | 1 | ER006325 | 13,40 |
| 63/32 | 50 | 1 | ER006332 | 13,40 |
| 63/40 | 50 | 1 | ER006340 | 13,40 |
| 63/50 | 50 | 1 | ER006350 | 13,40 |
| 75/63 | 30 | 1 | ER007563 | 20,45 |
| 90/63 | 20 | 1 | ER009063 | 21,90 |
| 90/75 | 20 | 1 | ER009075 | 25,30 |
| 110/63 | 12 | 1 | ER011063 | 37,50 |
| 110/75 | 12 | 1 | ER011075 | 31,60 |
| 110/90 | 12 | 1 | ER011090 | 31,60 |
| 125/90 | 20 | 1 | ER012590 | 57,45 |
| 125/110 | 20 | 1 | ER125110 | 59,95 |
| 160/90 | 12 | 1 | ER016090 | 68,05 |
| 160/110 | 12 | 1 | ER160110 | 77,85 |
| 160/125 | 1 | 1 | ER160125* | 90,80 |
| 200/160 | 4 | 1 | ER200160 | 137,15 |

* Reducción soldar a tope + manguitos EF.


CODO 90°

| Ø | | | COD. | € |
|-----|-----|---|----------|--------|
| 20 | 150 | 1 | E0900020 | 10,85 |
| 25 | 150 | 1 | E0900025 | 10,85 |
| 32 | 120 | 1 | E0900032 | 10,85 |
| 40 | 60 | 1 | E0900040 | 12,35 |
| 50 | 40 | 1 | E0900050 | 15,95 |
| 63 | 25 | 1 | E0900063 | 16,05 |
| 75 | 15 | 1 | E0900075 | 23,35 |
| 90 | 12 | 1 | E0900090 | 29,05 |
| 110 | 8 | 1 | E0900110 | 38,75 |
| 125 | 1 | 1 | E0900125 | 73,40 |
| 140 | 1 | 1 | E0900140 | 125,40 |
| 160 | 1 | 1 | E0900160 | 125,40 |


CODO 45°

| Ø | | | COD. | € |
|-----|-----|---|----------|--------|
| 20 | 150 | 1 | E1200020 | 10,85 |
| 25 | 150 | 1 | E1200025 | 10,85 |
| 32 | 120 | 1 | E1200032 | 10,85 |
| 40 | 60 | 1 | E1200040 | 12,85 |
| 50 | 40 | 1 | E1200050 | 15,95 |
| 63 | 25 | 1 | E1200063 | 16,05 |
| 75 | 15 | 1 | E1200075 | 27,85 |
| 90 | 12 | 1 | E1200090 | 29,05 |
| 110 | 8 | 1 | E1200110 | 38,75 |
| 125 | 1 | 1 | E1200125 | 73,40 |
| 140 | 1 | 1 | E1200140 | 125,40 |
| 160 | 1 | 1 | E1200160 | 125,40 |



| Ø | | | COD. | € |
|-----|---|---|----------|----------|
| 200 | 1 | 1 | E0900200 | 288,25 |
| 250 | 1 | 1 | E0900250 | 688,95 |
| 315 | 1 | 1 | E0900315 | 1.131,15 |



| Ø | | | COD. | € |
|-----|---|--|----------|----------|
| 200 | 1 | | E1200200 | 319,20 |
| 250 | 1 | | E1200250 | 723,65 |
| 315 | 1 | | E1200315 | 1.207,75 |

RESTO DE MEDIDAS - CONSULTAR



TE

| Ø | | COD. | € |
|---------|-------|----------|--------|
| 20/20 | 150 1 | ET002020 | 12,10 |
| 25/25 | 140 1 | ET002525 | 12,10 |
| 32/32 | 100 1 | ET003232 | 12,65 |
| 40/40 | 60 1 | ET004040 | 14,70 |
| 50/50 | 30 1 | ET005050 | 18,95 |
| 63/63 | 20 1 | ET006363 | 19,70 |
| 75/75 | 12 1 | ET007575 | 27,75 |
| 90/90 | 12 1 | ET009090 | 41,55 |
| 110/110 | 6 1 | ET110110 | 52,00 |
| 125/125 | 6 1 | ET125125 | 85,85 |
| 160/160 | 1 1 | ET160160 | 135,85 |



| Ø | | COD. | € |
|---------|---|----------|----------|
| 200/200 | 1 | ET200200 | 473,40 |
| 250/250 | 1 | ET250250 | 903,95 |
| 315/315 | 1 | ET315315 | 1.594,80 |



TE REDUCIDA

| Ø | | COD. | € |
|---------|-------|----------|--------|
| 25/20 | 140 1 | ET002520 | 12,10 |
| 32/20 | 100 1 | ET003220 | 12,65 |
| 32/25 | 100 1 | ET003225 | 12,65 |
| 40/25 | 60 1 | ET004025 | 14,70 |
| 40/32 | 60 1 | ET004032 | 14,70 |
| 50/25 | 30 1 | ET005025 | 18,95 |
| 50/32 | 30 1 | ET005032 | 18,95 |
| 50/40 | 30 1 | ET005040 | 18,95 |
| 63/32 | 20 1 | ET006332 | 19,70 |
| 63/40 | 20 1 | ET006340 | 19,70 |
| 63/50 | 20 1 | ET006350 | 19,70 |
| 75/63 | 7 1 | ET007563 | 27,75 |
| 90/63 | 7 1 | ET009063 | 41,55 |
| 90/75 | 8 1 | ET009075 | 51,20 |
| 110/63 | 7 1 | ET011063 | 52,00 |
| 110/75 | 10 1 | ET011075 | 52,00 |
| 110/90 | 10 1 | ET011090 | 52,00 |
| 160/90 | 4 1 | ET016090 | 170,15 |
| 160/110 | 4 1 | ET160110 | 170,15 |



TE DERIVACIÓN

| Ø | | COD. | € |
|--------|------|----------|-------|
| 63/32 | 30 1 | E7016332 | 32,30 |
| 63/40 | 30 1 | E7016340 | 32,35 |
| 63/50 | 20 1 | E7016350 | 32,35 |
| 75/32 | 25 1 | E7017532 | 32,85 |
| 75/63 | 20 1 | E7017563 | 35,40 |
| 90/32 | 20 1 | E7019032 | 33,65 |
| 90/63 | 15 1 | E7019063 | 37,40 |
| 110/32 | 12 1 | E7011132 | 34,55 |
| 110/63 | 10 1 | E7011163 | 37,85 |
| 125/32 | 12 1 | E7011232 | 37,85 |
| 125/63 | 10 1 | E7011263 | 42,10 |
| 160/32 | 8 1 | E7011632 | 50,05 |
| 160/63 | 8 1 | E7011663 | 54,95 |



| Ø | | COD. | € |
|--------|------|----------|--------|
| 200/32 | 20 1 | E7012032 | 71,65 |
| 200/63 | 20 1 | E7012063 | 71,65 |
| 250/25 | 10 1 | E7012525 | 81,75 |
| 250/32 | 10 1 | E7012532 | 81,75 |
| 250/40 | 10 1 | E7012540 | 81,75 |
| 250/50 | 10 1 | E7012550 | 90,50 |
| 250/63 | 10 1 | E7012563 | 90,50 |
| 315/25 | 10 1 | E7013125 | 94,75 |
| 315/32 | 10 1 | E7013132 | 94,75 |
| 315/40 | 10 1 | E7013140 | 94,75 |
| 315/50 | 10 1 | E7013150 | 115,95 |
| 315/63 | 10 1 | E7013163 | 115,95 |



TAPÓN

| Ø | | COD. | € |
|-----|-------|-----------|--------|
| 20 | 200 1 | E3000020 | 8,55 |
| 25 | 200 1 | E3000025 | 8,75 |
| 32 | 150 1 | E3000032 | 9,75 |
| 40 | 120 1 | E3000040 | 10,30 |
| 50 | 80 1 | E3000050 | 12,85 |
| 63 | 50 1 | E3000063 | 16,45 |
| 75 | 30 1 | E3000075 | 25,70 |
| 90 | 20 1 | E3000090 | 30,35 |
| 110 | 14 1 | E3000110 | 40,30 |
| 125 | 20 1 | E3000125 | 57,05 |
| 140 | 14 1 | E3000140 | 60,90 |
| 160 | 12 1 | E3000160 | 74,80 |
| 200 | 4 1 | E3000200* | 166,40 |
| 225 | 1 1 | E3000225* | 205,75 |
| 250 | 1 1 | E3000250* | 310,10 |
| 280 | 1 1 | E3000280* | 497,25 |
| 315 | 1 1 | E3000315* | 554,55 |

* Cap de soldar a tope + manguito EF.

RESTO DE MEDIDAS - CONSULTAR


ABRAZADERA DE REPARACIÓN

| Ø | | COD. | € |
|-----|------|----------|-------|
| 63 | 45 1 | E7000063 | 47,10 |
| 90 | 30 1 | E7000090 | 50,10 |
| 110 | 20 1 | E7000110 | 63,80 |
| 125 | 20 1 | E7000125 | 69,45 |
| 160 | 15 1 | E7000160 | 83,55 |
| 180 | 15 1 | E7000180 | 90,30 |


TOMA EN CARGA

| Ø | | COD. | € |
|--------|------|----------|-------|
| 40/32 | 20 1 | ETC04032 | 51,80 |
| 50/32 | 20 1 | ETC05032 | 37,95 |
| 63/32 | 20 1 | ETC06332 | 38,45 |
| 63/40 | 15 1 | ETC06340 | 52,65 |
| 63/50 | 12 1 | ETC06350 | 55,45 |
| 75/32 | 20 1 | ETC07532 | 44,95 |
| 90/32 | 20 1 | ETC09032 | 42,30 |
| 90/40 | 20 1 | ETC09040 | 55,45 |
| 90/50 | 15 1 | ETC09050 | 55,45 |
| 90/63 | 15 1 | ETC09063 | 55,45 |
| 110/32 | 10 1 | ETC11032 | 45,10 |
| 110/40 | 10 1 | ETC11040 | 66,60 |
| 110/50 | 10 1 | ETC11050 | 58,00 |
| 110/63 | 10 1 | ETC11063 | 58,00 |
| 125/32 | 8 1 | ETC12532 | 47,15 |
| 125/50 | 8 1 | ETC12550 | 61,60 |
| 125/63 | 8 1 | ETC12563 | 61,60 |



| Ø | | COD. | € |
|--------|-----|----------|-------|
| 140/32 | 6 1 | ETC14032 | 49,45 |
| 140/63 | 6 1 | ETC14063 | 65,95 |
| 160/32 | 6 1 | ETC16032 | 52,15 |
| 160/50 | 6 1 | ETC16050 | 68,25 |
| 160/63 | 6 1 | ETC16063 | 68,25 |
| 200/32 | 4 1 | ETC20032 | 61,95 |
| 200/40 | 4 1 | ETC20040 | 61,95 |
| 200/63 | 4 1 | ETC20063 | 83,20 |


**TRANSICIÓN
LATÓN MACHO**


| Ø | | COD. | € |
|-------------|-------|----------|--------|
| 20 x 1/2" | 220 1 | ERM00203 | 22,05 |
| 25 x 3/4" | 200 1 | ERM00254 | 23,00 |
| 32 x 1" | 140 1 | ERM00325 | 26,25 |
| 40 x 1 1/4" | 100 1 | ERM00406 | 39,95 |
| 50 x 1 1/2" | 70 1 | ERM00507 | 45,60 |
| 63 x 2" | 40 1 | ERM00638 | 53,35 |
| 75 x 2 1/2" | 5 1 | ERM0075A | 110,55 |
| 90 x 3" | 18 1 | ERM0090B | 139,30 |
| 110 x 4" | 8 1 | ERM0110D | 233,00 |
| 125 x 4" | 6 1 | ERM0125D | 271,20 |


**TRANSICIÓN
LATÓN HEMBRA**

| Ø | | COD. | € |
|-------------|-------|----------|--------|
| 20 x 1/2" | 60 1 | ERH00203 | 19,70 |
| 25 x 3/4" | 60 1 | ERH00254 | 20,25 |
| 32 x 1" | 200 1 | ERH00325 | 28,30 |
| 40 x 1 1/4" | 100 1 | ERH00406 | 39,80 |
| 50 x 1 1/2" | 84 1 | ERH00507 | 55,10 |
| 63 x 2" | 50 1 | ERH00638 | 75,20 |
| 75 x 2 1/2" | 5 1 | ERH0075A | 125,95 |
| 90 x 3" | 20 1 | ERH0090B | 179,10 |
| 110 x 4" | 8 1 | ERH0110D | 227,55 |
| 125 x 4" | 6 1 | ERH0125D | 257,60 |




TRANSICIÓN PE / METAL

| Ø |  | COD. | € |
|-------|---|----------|-------|
| 25/20 | 1 | ETM02520 | 17,05 |
| 32/25 | 1 | ETM03225 | 25,25 |
| 40/32 | 1 | ETM04032 | 30,90 |
| 50/40 | 1 | ETM05040 | 43,10 |
| 63/50 | 1 | ETM06350 | 58,20 |
| 75/65 | 1 | ETM07565 | 71,65 |




TRANSICIÓN INYECTADA PE / METAL

| Ø |  | COD. | € |
|-------|---|----------|-------|
| 25/20 | 1 | ETA25020 | 17,05 |
| 32/25 | 1 | ETA32025 | 25,20 |
| 63/50 | 1 | ETA63050 | 58,30 |



VÁLVULA PE

| Ø |  | COD. | € |
|-----|---|----------|----------|
| 25 | 1 | EVAL0025 | 122,00 |
| 32 | 1 | EVAL0032 | 122,00 |
| 40 | 1 | EVAL0040 | 122,00 |
| 50 | 1 | EVAL0050 | 228,00 |
| 63 | 1 | EVAL0063 | 233,05 |
| 75 | 1 | EVAL0075 | 289,05 |
| 90 | 1 | EVAL0090 | 309,90 |
| 110 | 1 | EVAL0110 | 412,90 |
| 125 | 1 | EVAL0125 | 509,00 |
| 160 | 1 | EVAL0160 | 1.137,90 |



LLAVE DE MANIOBRA PARA VÁLVULA PE

| COD. | € |
|----------|-------|
| ELLV6011 | 79,10 |

Para la apertura y cierre de
nuestra válvula de PE.
Regulación de 600 a 1100 mm.

ACCESORIOS PARA SOLDAR A TOPE



Los accesorios de soldadura a tope comercializados por ATUSA cuentan con las siguientes características:

Accesorios según la UNE-EN 1555-3 y la UNE-EN 12201-3.

Fabricados en SDR 11 y SDR 17.

Color negro.

Dimensiones según la UNE-EN ISO 3126.

Utilizados en la unión de tuberías de polietileno en conducciones de agua, gas, sistemas de riego, instalaciones industriales, acometidas de viviendas.

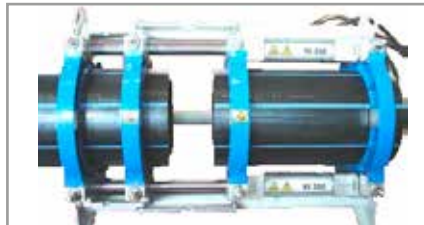
La fusión se puede realizar de manera automática o manual.

Los accesorios para soldar a tope pueden soldarse a tubos PE 100, PE 100-RC y PE 80, de SDR 9 a SDR 17.

INSTRUCCIONES DE MONTAJE



1. Emplazar el equipo de soldar a tope. Caso necesario, por lluvia, frío o viento, montar una tienda o similar.



2. Colocar y alinear en la máquina los tubos o accesorios de PE.



3. Refrentar los tubos hasta que se limpie totalmente su superficie transversal.



4. Eliminar virutas sin tocar con las manos la superficie refrentada.



5. Comprobar alineación, controlando el paralelismo entre los extremos de los tubos a soldar (tolerancia máxima 0,5 mm) y controlando la desalineación (tolerancia máxima 10% del espesor del tubo).



6. Limpiar las caras de la placa de soldar con isopropanol (alcohol). Comprobar con un termómetro de contacto que la temperatura de la placa esté entre 210-225 °C. Comprobar la presión de arrastre y anotar en la ficha de soldadura. Calcular p_1 , la presión para la formación del bordón inicial (presión de soldadura tabulada + presión de arrastre) y anotar en la ficha.



7. Poner la placa entre los tubos a soldar y presionar sus extremos a la placa, a la presión calculada p_1 , hasta formar un bordón inicial uniforme y de altura h . Reducir la presión a $p_2=10\%p_1$, para el calentamiento.



8. Pasado el tiempo de calentamiento t_2 (tabulado en cada máquina), separar los tubos de la placa. Retirar la placa y unir rápidamente los extremos de los tubos en un tiempo máximo t_3 .



9. Aumentar progresivamente la presión (rampa de presión) desde cero a la presión requerida p_1 , en un tiempo t_4 y mantenerla durante un tiempo t_5 . Dejar enfriar la soldadura en esta posición sin quitar la presión p_1 ni aflojar las abrazaderas. Pasado el tiempo de enfriamiento aflojar las abrazaderas y retirar el tubo de la máquina.

Nota: El instalador debe cumplir los parámetros de soldadura indicados en el manual técnico de la máquina.



PORTABRIDAS

| DN | | COD. | € |
|-----|---|----------|--------|
| 25 | 1 | EPB11025 | 4,55 |
| 32 | 1 | EPB11032 | 5,70 |
| 40 | 1 | EPB11040 | 6,50 |
| 50 | 1 | EPB11050 | 7,75 |
| 63 | 1 | EPB17063 | 5,65 |
| 63 | 1 | EPB11063 | 7,75 |
| 75 | 1 | EPB17075 | 8,85 |
| 75 | 1 | EPB11075 | 10,05 |
| 90 | 1 | EPB17090 | 11,70 |
| 90 | 1 | EPB11090 | 12,60 |
| 110 | 1 | EPB17110 | 13,20 |
| 110 | 1 | EPB11110 | 14,40 |
| 125 | 1 | EPB17125 | 19,35 |
| 125 | 1 | EPB11125 | 20,00 |
| 140 | 1 | EPB11140 | 31,25 |
| 160 | 1 | EPB17160 | 26,30 |
| 160 | 1 | EPB11160 | 30,10 |
| 180 | 1 | EPB17180 | 40,15 |
| 180 | 1 | EPB11180 | 66,15 |
| 200 | 1 | EPB17200 | 43,25 |
| 200 | 1 | EPB11200 | 53,55 |
| 225 | 1 | EPB17225 | 48,65 |
| 250 | 1 | EPB17250 | 62,40 |
| 250 | 1 | EPB11250 | 83,70 |
| 280 | 1 | EPB17280 | 111,70 |
| 315 | 1 | EPB17315 | 121,70 |
| 315 | 1 | EPB11315 | 136,50 |

SDR 11

SDR 17



CODO 90°

| DN | | COD. | € |
|-----|---|----------|--------|
| 32 | 1 | W0900032 | 4,35 |
| 40 | 1 | W0900040 | 5,65 |
| 50 | 1 | W0900050 | 7,10 |
| 63 | 1 | W1790063 | 9,40 |
| 63 | 1 | W0900063 | 10,20 |
| 75 | 1 | W1790075 | 13,65 |
| 75 | 1 | W0900075 | 14,05 |
| 90 | 1 | W1790090 | 16,65 |
| 90 | 1 | W0900090 | 20,15 |
| 110 | 1 | W1790110 | 27,45 |
| 110 | 1 | W0900110 | 29,55 |
| 125 | 1 | W1790125 | 48,00 |
| 125 | 1 | W0900125 | 54,70 |
| 140 | 1 | W0900140 | 73,10 |
| 160 | 1 | W1790160 | 61,30 |
| 160 | 1 | W0900160 | 73,10 |
| 180 | 1 | W1790180 | 74,05 |
| 180 | 1 | W0900180 | 84,20 |
| 200 | 1 | W1790200 | 96,05 |
| 200 | 1 | W0900200 | 116,75 |
| 225 | 1 | W1790225 | 113,25 |
| 225 | 1 | W0900225 | 130,95 |
| 250 | 1 | W1790250 | 255,60 |
| 250 | 1 | W0900250 | 284,20 |
| 280 | 1 | W1790280 | 332,00 |
| 280 | 1 | W0900280 | 369,10 |
| 315 | 1 | W1790315 | 375,00 |
| 315 | 1 | W0900315 | 405,15 |

SDR 11

SDR 17



CODO 45°

| DN | | COD. | € |
|-----|---|----------|--------|
| 32 | 1 | W1200032 | 7,00 |
| 40 | 1 | W1200040 | 8,75 |
| 50 | 1 | W1200050 | 9,90 |
| 63 | 1 | W1712063 | 12,50 |
| 63 | 1 | W1200063 | 13,95 |
| 75 | 1 | W1712075 | 16,55 |
| 75 | 1 | W1200075 | 16,55 |
| 90 | 1 | W1712090 | 17,10 |
| 90 | 1 | W1200090 | 20,60 |
| 110 | 1 | W1712110 | 22,20 |
| 110 | 1 | W1200110 | 29,55 |
| 125 | 1 | W1712125 | 43,50 |
| 125 | 1 | W1200125 | 48,35 |
| 160 | 1 | W1712160 | 61,30 |
| 160 | 1 | W1200160 | 77,15 |
| 180 | 1 | W1712180 | 74,30 |
| 180 | 1 | W1200180 | 83,90 |
| 200 | 1 | W1712200 | 89,70 |
| 200 | 1 | W1200200 | 103,35 |
| 225 | 1 | W1712225 | 122,40 |
| 225 | 1 | W1200225 | 136,05 |
| 250 | 1 | W1712250 | 236,95 |
| 250 | 1 | W1200250 | 277,05 |
| 280 | 1 | W1712280 | 332,00 |
| 280 | 1 | W1200280 | 369,10 |
| 315 | 1 | W1712315 | 375,00 |
| 315 | 1 | W1200315 | 405,15 |

SDR 11

SDR 17

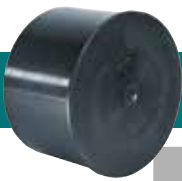


TE

| DN | | COD. | € |
|---------|---|----------|--------|
| 90/90 | 1 | WT170090 | 21,90 |
| 90/90 | 1 | WT090090 | 22,85 |
| 110/110 | 1 | WT170110 | 25,05 |
| 110/110 | 1 | WT110110 | 31,60 |
| 125/125 | 1 | WT170125 | 44,25 |
| 125/125 | 1 | WT125125 | 51,80 |
| 160/160 | 1 | WT170160 | 101,50 |
| 160/160 | 1 | WT160160 | 107,35 |
| 200/200 | 1 | WT170200 | 150,00 |
| 225/225 | 1 | WT170225 | 242,50 |
| 250/250 | 1 | WT170250 | 305,75 |
| 315/315 | 1 | WT170315 | 599,80 |

SDR 11

SDR 17



CAP

| Ø | | COD. | € |
|-----|---|----------|-------|
| 63 | 1 | W3000063 | 4,40 |
| 75 | 1 | W3000075 | 7,80 |
| 90 | 1 | W3000090 | 9,70 |
| 110 | 1 | W3000110 | 16,50 |
| 125 | 1 | W3000125 | 20,00 |
| 140 | 1 | W3000140 | 33,00 |
| 160 | 1 | W3000160 | 36,30 |



REDUCCIÓN CONCÉNTRICA

| Ø | | COD. | € |
|---------|---|----------|--------|
| 75/63 | 1 | WR075063 | 10,95 |
| 90/63 | 1 | WR090063 | 16,40 |
| 90/75 | 1 | WR090075 | 16,40 |
| 110/63 | 1 | WR011063 | 19,15 |
| 110/75 | 1 | WR011075 | 19,15 |
| 110/90 | 1 | WR011090 | 19,15 |
| 125/90 | 1 | WR012590 | 33,35 |
| 125/110 | 1 | WR125110 | 33,35 |
| 140/110 | 1 | WR140110 | 48,30 |
| 140/125 | 1 | WR140125 | 48,30 |
| 160/90 | 1 | WR016090 | 35,50 |
| 160/110 | 1 | WR160110 | 35,50 |
| 160/125 | 1 | WR160125 | 57,40 |
| 160/140 | 1 | WR160140 | 64,60 |
| 200/160 | 1 | WR200160 | 91,30 |
| 250/160 | 1 | WR250160 | 198,45 |
| 250/200 | 1 | WR250200 | 167,80 |

MÁQUINAS SOLDADORAS - ELECTROSOLDABLE

RANGO 20 - 160 mm.



COD.
EMQ20160

RANGO 20 - 315 mm.



COD.
EMQ20315

RANGO 20 - 500 mm.



COD.
EMQ20500

| CARACTERÍSTICAS | EMQ20160 | EMQ20315 | EMQ20500 |
|--|-----------------|-----------------|-----------------|
| Válido para tubos de | 20 - 160 mm. | 20 - 315 mm. | 20 - 500 mm. |
| Rango de voltaje | 8 ± 48V. | 8 ± 48V. | 8 ± 48V. |
| Embalaje | Bolsa | Caja aluminio | Caja aluminio |
| Lector de código de barras | Scanner | Scanner | Scanner |
| Impresora | Bajo demanda | Bajo demanda | Bajo demanda |
| Tensión de red | 230 V 50/60 Hz. | 230 V 50/60 Hz. | 230 V 50/60 Hz. |
| Potencia máxima absorbida | 2.000 W. | 4.000 W. | 6.400 W. |
| Intensidad de corriente eléctrica (Amperios) | 80 A. | 100 A. | 120 A. |
| Puertos exteriores | USB, R232 | USB, R232 | USB, R232 |
| Memoria (Trabajos) | 350 | 500 | 4.000 |
| Tipo de protección | IP 54 | IP 54 | IP 54 |
| Longitud de cable | 3 metros | 3 metros | 3 metros |
| Dimensiones | 200x250x210 mm. | 240x220x240 mm. | 520x435x230 mm. |
| Peso | 7 Kg. | 15 Kg. | 18 Kg. |
| P.V.P. € | 2.522,00 | 3.984,00 | 5.743,00 |

MÁQUINAS SOLDADORAS - SOLDADURA A TOPE
RANGO 40 - 160 mm.


| |
|-------------|
| COD. |
| BASIC 160 |

RANGO 75 - 250 mm.


| |
|-------------|
| COD. |
| BASIC 250 |

RANGO 90 - 315 mm.


| |
|-------------|
| COD. |
| BASIC 315 |

| CARACTERÍSTICAS | BASIC 160 | BASIC 250 | BASIC 315 |
|--|---|---|---|
| Materiales | HDPE, PP, PP-R, PVDF Para otros materiales consultar | HDPE, PP, PP-R, PVDF Para otros materiales consultar | HDPE, PP, PP-R, PVDF Para otros materiales consultar |
| Alimentación | 230 V Monofásica 50/60 Hz | 230 V Monofásica 50/60 Hz | 230 V Monofásica 50/60 Hz |
| Potencia total absorbida | 3000 W | 4200 W | 5050 W |
| Temperatura de ejercicio | 180° C - 280° C | 180° C - 280° C | 180° C - 280° C |
| Temperatura ambiente de uso | -10° C - 40° C | -10° C - 40° C | -10° C - 40° C |
| Tiempo en que se alcanza temperatura de uso | <20 | <20 | <20 |
| Memoria | 4.000 ciclos | 4.000 ciclos | 4.000 ciclos |
| Ajustes personalizados | 50 personalizaciones | 50 personalizaciones | 50 personalizaciones |
| Wi-Fi ready | App "SET & GO PRO" | App "SET & GO PRO" | App "SET & GO PRO" |
| Dimensión cuerpo alineador (A x L x H) | 606 x 365 x 375 mm. | 850 x 470 x 400 mm. | 981 x 586 x 520 mm. |
| Dimensión unidad electrohidráulica (A x L x H) | 585 x 384 x 463 mm. | 585 x 384 x 463 mm. | 585 x 384 x 463 mm. |
| Peso cuerpo alineador | 32 kg. | 63 kg. | 86 kg. |
| Peso composición estándar | 88 kg. | 132 kg. | 174 kg. |

CONSULTAR PRECIOS Y DISPONIBILIDAD.

ACCESORIOS

RASCADOR AUTOMÁTICO



| DIMENSIONES | COD. | € |
|---------------|----------|----------|
| 75 - 180 mm. | ERAAU075 | 1.605,00 |
| 140 - 400 mm. | ERAAU140 | 2.712,00 |

ALINEADOR ELECTROSOLDABLE



| DIMENSIONES | COD. | € |
|---------------|----------|----------|
| 20 - 63 mm. | EALI2063 | 860,00 |
| 63 - 225 mm. | EAL63225 | 927,00 |
| 125 - 500 mm. | EALDO125 | 2.140,00 |
| 125 - 500 mm. | EALTR125 | 2.774,00 |

RASCADOR TURBO



| DIMENSIONES | COD. | € |
|-------------|----------|--------|
| 32 mm. | ERATU032 | 335,90 |
| 40 mm. | ERATU040 | 372,60 |
| 50 mm. | ERATU050 | 404,70 |
| 63 mm. | ERATU063 | 404,70 |

PRENSA MANUAL



| DIMENSIONES | COD. | € |
|-------------|----------|--------|
| 20 - 90 mm. | EPM02090 | 331,30 |

PRENSA HIDRÁULICA



| DIMENSIONES | COD. | € |
|--------------|----------|----------|
| 90 - 225 mm. | EPH90225 | 2.243,00 |

MARCADOR DE TUBO



| COD. | € |
|----------|-------|
| EMARCADO | 14,25 |

RASCADOR DE TUBO



| DIMENSIONES | COD. | € |
|-------------|----------|-------|
| 40 mm. | ERASC037 | 23,55 |
| 62 mm. | ERASC062 | 28,50 |

TOALLITAS LIMPIADORAS (100 unidades)



| COD. | € |
|----------|-------|
| ETISSUE1 | 39,60 |

LLAVE PARA TOMA EN CARGA



| COD. | € |
|----------|-----------|
| ELLAVTOM | Consultar |

LÍQUIDO LIMPIADOR (1 litro)



| COD. | € |
|----------|-------|
| ELIFOXIT | 22,55 |

CORTADOR DE TUBO



| DIMENSIONES | COD. | € |
|---------------|----------|----------|
| 6 - 76 mm. | ECORT006 | 271,70 |
| 50 - 140 mm. | ECORT050 | 349,65 |
| 100 - 160 mm. | ECORT100 | 437,90 |
| 180 - 315 mm. | ECORT180 | 2.371,85 |

VÁLVULAS DE FUNDICIÓN

Los sectores de saneamiento y aguas residuales, riego y climatización son aquellos sobre los que ATUSA orienta el desarrollo de sus productos. En este sentido, a esta familia ya consolidada de productos de fundición en el que se incluyen válvulas de paso, de retención, filtros, válvulas de fondo y de mariposa, hay que añadir novedades orientadas al sector de las conducciones de fluidos. Juntas de expansión metálicas que completan la gama de manguitos anti-vibratorios, y uniones para tuberías de PVC y polietileno hacen de ATUSA un proveedor de garantía para los clientes más exigentes.

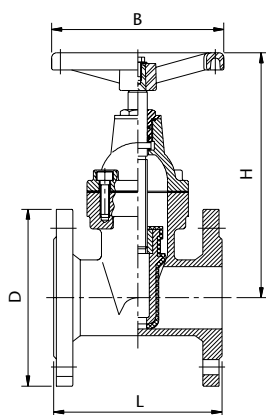




VÁLVULAS
DE
FUNDICIÓN

500

VÁLVULA DE COMPUERTA CIERRE ELÁSTICO - BRIDADA



Bridas:

PN 10

PN 10/16

PN 16

| DN | D mm. | L mm. | B mm. | H mm. | Nº AGUJEROS x d mm. | COD. | € |
|----------------|-------|-------|-------|-------|---------------------|----------|-----------|
| 40 | 150 | 140 | 200 | 220 | 4 x 19 | VF500040 | 95,45 |
| 50 | 165 | 150 | 200 | 220 | 4 x 19 | VF500050 | 99,85 |
| 65 | 185 | 170 | 200 | 255 | 4 x 19 | VF500065 | 122,85 |
| 80 | 200 | 180 | 254 | 280 | 8 x 19 | VF500080 | 154,60 |
| 100 | 220 | 190 | 254 | 320 | 8 x 19 | VF500100 | 190,30 |
| 125 | 250 | 200 | 315 | 355 | 8 x 19 | VF500125 | 264,70 |
| 150 | 285 | 210 | 315 | 400 | 8 x 23 | VF500150 | 349,80 |
| 200 | 340 | 230 | 315 | 510 | 8 x 23 | VF500201 | 524,85 |
| 200 | 340 | 230 | 315 | 510 | 12 x 23 | VF500200 | 524,85 |
| 250 | 395 | 250 | 406 | 600 | 12 x 23 | VF500251 | 785,55 |
| 250 | 405 | 250 | 406 | 600 | 12 x 28 | VF500250 | 785,55 |
| 300 | 445 | 270 | 406 | 680 | 12 x 23 | VF500301 | 1.182,30 |
| 300 | 460 | 270 | 406 | 680 | 12 x 28 | VF500300 | 1.182,30 |
| 350 | 505 | 290 | 500 | 810 | 16 X 23 | VF500351 | 2.217,00 |
| 350 | 520 | 290 | 500 | 810 | 16 x 28 | VF500350 | 2.217,00 |
| 400 | 565 | 310 | 500 | 890 | 16 x 28 | VF500401 | 2.731,80 |
| 400 | 580 | 310 | 500 | 890 | 16 x 31 | VF500400 | 2.731,80 |
| NEW 450 | 615 | 330 | 500 | 990 | 20 x 28 | VF500451 | 4.980,50 |
| NEW 450 | 650 | 330 | 500 | 990 | 20 x 31 | VF500450 | 4.980,50 |
| 500 | 670 | 350 | 650 | 1065 | 20 x 28 | VF500501 | 5.545,35 |
| 500 | 715 | 350 | 650 | 1065 | 20 x 34 | VF500500 | 5.545,35 |
| NEW 600 | 780 | 390 | 650 | 1270 | 20 x 31 | VF500601 | 10.985,00 |
| NEW 600 | 840 | 390 | 650 | 1270 | 20 x 37 | VF500600 | 10.985,00 |

CARACTERÍSTICAS TÉCNICAS

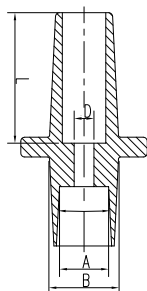
Presión de trabajo: PN 16.
 Temperatura de trabajo: 0° C a 80° C.
 Construidas según: DIN 3352/F4 (EN 1171).
 Bridas según: DIN EN 1092-2 PN 10/16.
 Distancia entre bridas: DIN 3202-1 F4 (EN 558-1 Serie 14).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Nodular GGG 50 (EN-GJS-500-7)
Tapa: Fundición Nodular GGG 50 (EN-GJS-500-7)
Compuerta: Fundición Nodular GGG 50 (EN-GJS-500-7)
Recubrimiento Compuerta: EPDM
Eje: Acero Inoxidable AISI 420
Junta: NBR
Tornillería: Acero Inoxidable A2
Volante: Fundición Nodular GGG 50 (EN-GJS-500-7)

505

CUADRILLO MANIOBRA PARA VÁLVULA DE COMPUERTA Ref. 500



| DN | A mm. | B mm. | D mm. | L mm. | COD. | € |
|-----------------------|-------|-------|-------|-------|----------|------|
| 40 - 50 - 65 | 14 | 30 | 10 | 63 | VF505050 | 5,40 |
| 80 | 17 | 36 | 10 | 63 | VF505080 | 5,40 |
| 100 - 125 - 150 | 19 | 41 | 10 | 63 | VF505125 | 6,45 |
| 200 | 24 | 51 | 10 | 63 | VF505200 | 6,45 |
| 250 - 300 - 350 - 400 | 27 | 58 | 12 | 63 | VF505250 | 9,70 |
| 500 | 32 | 56 | 14 | 75 | VF505500 | 9,70 |

COMPONENTES

Cuerpo: Fundición Nodular GGG 50 (EN-GJS-500-7)

508

EJE DE EXTENSIÓN PARA VÁLVULA DE COMPUERTA Ref. 500



COMPONENTES

Cuerpo: Acero Galvanizado
Enchufe y Cabeza del Eje: Fundición Nodular
Tubo Protector: PVC

| DN | LONGITUD | | | | | |
|-----------------------|----------|--------|----------|--------|----------|--------|
| | 600 mm. | | 1000 mm. | | 1500 mm. | |
| | COD. | € | COD. | € | COD. | € |
| 40 - 50 - 65 | VFE06040 | 113,60 | VFE10040 | 113,60 | VFE15040 | 170,10 |
| 80 | VFE06080 | 113,60 | VFE10080 | 113,60 | VFE15080 | 170,10 |
| 100 - 125 - 150 | VFE06100 | 113,60 | VFE10100 | 113,60 | VFE15100 | 170,10 |
| 200 | VFE06200 | 132,65 | VFE10200 | 132,65 | VFE15200 | 201,40 |
| 250 - 300 - 350 - 400 | VFE06250 | 190,80 | VFE10250 | 190,80 | VFE15250 | 285,75 |

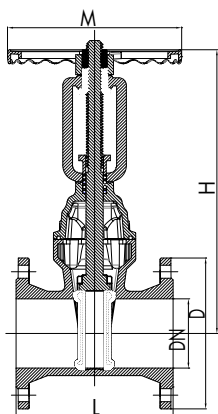
502

VÁLVULA DE COMPUERTA CIERRE ELÁSTICO HUSILLO ASCENDENTE - BRIDADA



| DN | D mm. | L mm. | M mm. | H mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|-------|-------|---------------------|----------|----------|
| 50 | 165 | 150 | 200 | 315 | 4 x 19 | VF502050 | 172,25 |
| 65 | 185 | 170 | 200 | 325 | 4 x 19 | VF502065 | 222,50 |
| 80 | 200 | 180 | 200 | 355 | 8 x 19 | VF502080 | 259,80 |
| 100 | 220 | 190 | 254 | 415 | 8 x 19 | VF502100 | 330,95 |
| 125 | 250 | 200 | 315 | 490 | 8 x 19 | VF502125 | 452,10 |
| 150 | 285 | 210 | 315 | 550 | 8 x 23 | VF502150 | 554,75 |
| 200 | 340 | 230 | 315 | 670 | 12 x 23 | VF502200 | 882,90 |
| 250 | 405 | 250 | 406 | 845 | 12 x 28 | VF502250 | 1.212,75 |
| 300 | 460 | 270 | 406 | 1100 | 12 x 28 | VF502300 | 1.816,85 |

Bridas: ■ PN 10/16 ■ PN 16



CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura de trabajo: 0° C a 80° C.
 Construidas según: DIN 3352/F4 (EN 1171).
 Bridas según: DIN EN 1092-2 PN 10/16.
 Distancia entre bridas: DIN 3202-1 F4 (EN 558-1 Serie 14).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Nodular GGG 50 (EN-GJS-500-7)
Tapa: Fundición Nodular GGG 50 (EN-GJS-500-7)
Compuerta: Fundición Nodular GGG 50 (EN-GJS-500-7)
Recubrimiento Compuerta: EPDM
Puente: Fundición Nodular GGG 50 (EN-GJS-500-7)
Prensa: Fundición Nodular GGG 50 (EN-GJS-500-7)
Eje: Acero Inoxidable AISI 420
Junta: NBR
Empaquetadura: PTFE
Tuerca del Eje: Latón
Arandelas del Volante: Acero Inoxidable AISI 304
Volante: Fundición Nodular GGG 50 (EN-GJS-500-7)

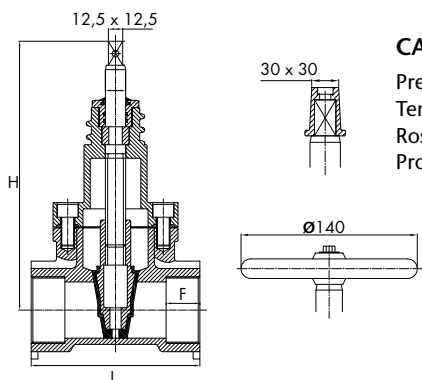
501

VÁLVULA DE COMPUERTA CIERRE ELÁSTICO - ROSCADA



| Ø | L mm. | F mm. | H mm. | COD. | € |
|--------|-------|-------|-------|----------|--------|
| 3/4" | 95 | 16 | 145 | VF501004 | 80,05 |
| 1" | 105 | 20 | 145 | VF501005 | 83,65 |
| 1 1/4" | 120 | 20 | 149 | VF501006 | 93,85 |
| 1 1/2" | 130 | 25 | 172 | VF501007 | 113,25 |
| 2" | 150 | 25 | 190 | VF501008 | 123,75 |

| | COD. | € |
|----------------------|----------|------|
| Ref. 502 Cuadradillo | VF502000 | 4,60 |
| Ref. 503 Volante | VF503000 | 7,45 |



CARACTERÍSTICAS TÉCNICAS

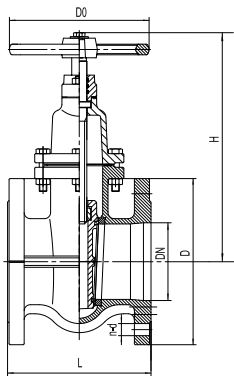
Presión de trabajo: PN 16.
 Temperatura de trabajo: 0° C a 80° C.
 Roscas Hembra cilíndrica.
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Nodular GGG 50 (EN-GJS-500-7)
Tapa: Fundición Nodular GGG 50 (EN-GJS-500-7)
Compuerta: Latón
Recubrimiento Compuerta: EPDM
Eje: Acero Inoxidable AISI 420
Junta: NBR
Volante: Acero Carbono
Cuadradillo: Fundición Nodular GGG 50 (EN-GJS-500-7)

503

VÁLVULA DE COMPUERTA CIERRE METAL - BRIDADA



| DN | D mm. | L mm. | DO mm. | H mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|--------|-------|---------------------|----------|----------|
| 40 | 150 | 140 | 130 | 195 | 4 x 19 | VF503040 | 132,05 |
| 50 | 165 | 150 | 130 | 205 | 4 x 19 | VF503050 | 142,35 |
| 65 | 185 | 170 | 130 | 225 | 4 x 19 | VF503065 | 166,00 |
| 80 | 200 | 180 | 150 | 252 | 8 x 19 | VF503080 | 188,10 |
| 100 | 220 | 190 | 185 | 294 | 8 x 19 | VF503100 | 245,70 |
| 125 | 250 | 200 | 185 | 350 | 8 x 19 | VF503125 | 322,85 |
| 150 | 285 | 210 | 190 | 411 | 8 x 23 | VF503150 | 431,90 |
| 200 | 340 | 230 | 220 | 496 | 8 x 23 | VF503201 | 701,65 |
| 250 | 395 | 250 | 310 | 576 | 12 x 23 | VF503251 | 1.131,40 |
| 300 | 455 | 270 | 310 | 678 | 12 x 23 | VF503301 | 1.575,60 |

Bridas: ■ PN 10 ■ PN 10/16

CARACTERÍSTICAS TÉCNICAS

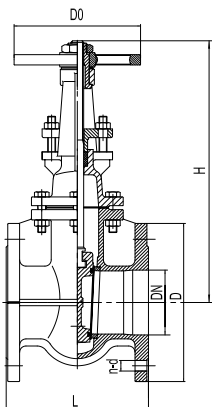
Presión de trabajo: PN 10.
 Temperatura de trabajo: 0° C a 80° C.
 Construidas según: DIN 3352/F4.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Distancia entre bridas: DIN 3202-1 F4 (EN 558-1 Serie 14).

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
Tapa: Fundición Gris GG 25 (EN-GJL-250)
Compuerta: Fundición Gris GG 25 (EN-GJL-250)
Anillo Asiento Cuerpo: Latón
Anillo Asiento Compuerta: Latón
Eje: Acero Inoxidable AISI 420
Volante: Fundición Gris GG 25 (EN-GJL-250)

504

VÁLVULA DE COMPUERTA CIERRE METAL HUSILLO ASCENDENTE - BRIDADA



| DN | D mm. | L mm. | DO mm. | H mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|--------|-------------|---------------------|----------|----------|
| 40 | 150 | 140 | 160 | 244 / 295 | 4 x 19 | VF504040 | 197,55 |
| 50 | 165 | 150 | 160 | 254 / 315 | 4 x 19 | VF504050 | 213,90 |
| 65 | 185 | 170 | 160 | 294 / 371 | 4 x 19 | VF504065 | 241,75 |
| 80 | 200 | 180 | 160 | 331 / 424 | 8 x 19 | VF504080 | 302,40 |
| 100 | 220 | 190 | 200 | 385 / 500 | 8 x 19 | VF504100 | 407,40 |
| 125 | 250 | 200 | 200 | 457 / 598 | 8 x 19 | VF504125 | 549,80 |
| 150 | 285 | 210 | 250 | 545 / 711 | 8 x 23 | VF504150 | 707,35 |
| 200 | 340 | 230 | 250 | 683 / 901 | 8 x 23 | VF504201 | 1.070,90 |
| 200 | 340 | 230 | 250 | 683 / 901 | 12 x 23 | VF504200 | 1.070,90 |
| 250 | 395 | 250 | 320 | 823 / 1.093 | 12 x 23 | VF504251 | 1.697,45 |
| 250 | 405 | 250 | 320 | 823 / 1.093 | 12 x 28 | VF504250 | 1.697,45 |
| 300 | 445 | 270 | 320 | 952 / 1.273 | 12 x 23 | VF504301 | 2.492,60 |
| 300 | 460 | 270 | 320 | 952 / 1.273 | 12 x 28 | VF504300 | 2.492,60 |

Bridas: ■ PN 10 ■ PN 16 ■ PN 10/16

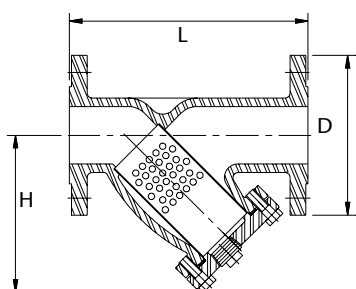
CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura de trabajo: 0° C a 180° C.
 Construidas según: DIN 3352/F4.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Distancia entre bridas: DIN 3202-1 F4 (EN 558-1 Serie 14).

COMPONENTES

Cuerpo: Fundición Nodular GGG 50 (EN-GJS-500-7)
Tapa: Fundición Nodular GGG 50 (EN-GJS-500-7)
Compuerta: Fundición Nodular GGG 50 (EN-GJS-500-7)
Anillo Asiento Cuerpo: Acero inoxidable AISI 304
Anillo Asiento Compuerta: Acero inoxidable AISI 304
Eje: Acero Inoxidable AISI 420
Junta: Grafito
Prensa: Fundición Nodular GGG 50 (EN-GJS-500-7)
Empaquetadura: Grafito
Tuerca del Eje: Latón
Volante: Fundición Gris GG 25 (EN-GJL-250)

510 FILTRO EN "Y" BRIDADO



| DN | D mm. | L mm. | H mm. | Nº AGUJEROS x d mm. | AGUJEROS MALLA d mm. | COD. | € |
|-----|-------|-------|-------|---------------------|----------------------|----------|-----------|
| 32 | 140 | 180 | 111 | 4 x 19 | 1,5 | VF510032 | 43,35 |
| 40 | 150 | 200 | 118 | 4 x 19 | 1,5 | VF510040 | 46,75 |
| 50 | 165 | 230 | 178 | 4 x 19 | 1,5 | VF510050 | 77,20 |
| 65 | 185 | 290 | 211 | 4 x 19 | 1,5 | VF510065 | 110,00 |
| 80 | 200 | 310 | 202 | 8 x 19 | 1,5 | VF510080 | 126,85 |
| 100 | 220 | 350 | 226 | 8 x 19 | 3 | VF510100 | 165,75 |
| 125 | 250 | 400 | 264 | 8 x 19 | 3 | VF510125 | 243,25 |
| 150 | 285 | 480 | 309 | 8 x 23 | 3 | VF510150 | 336,50 |
| 200 | 340 | 600 | 410 | 8 x 23 | 3 | VF510201 | 600,70 |
| 200 | 340 | 600 | 410 | 12 x 23 | 3 | VF510200 | 600,70 |
| 250 | 395 | 730 | 444 | 12 x 23 | 3 | VF510251 | 1.010,60 |
| 250 | 405 | 730 | 444 | 12 x 28 | 3 | VF510250 | 1.010,60 |
| 300 | 445 | 850 | 486 | 12 x 23 | 3 | VF510301 | 1.492,70 |
| 300 | 460 | 850 | 486 | 12 x 28 | 3 | VF510300 | 1.492,70 |
| 350 | 520 | 980 | 595 | 16 x 28 | 3 | VF510350 | 2.599,80 |
| 400 | 580 | 1100 | 673 | 16 x 31 | 3 | VF510400 | 4.506,45 |
| 500 | 715 | 1250 | 910 | 20 x 34 | 3 | VF510500 | 11.581,75 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16

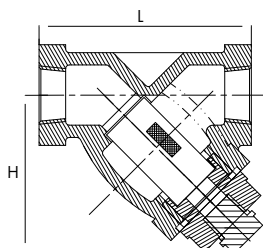
CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura de trabajo: -10° C a 80° C.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Dist. Bridas: DIN 3202-1 F1 (EN 558-1 Serie 1).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
 Tapa: Fundición Gris GG 25 (EN-GJL-250)
 Malla: Acero Inoxidable AISI 304
 Junta: Grafito
 Tapón: Fundición Nodular GGG 40 (EN-GJS-400-15)

511 FILTRO EN "Y" ROSCADO



| Ø | L mm. | H mm. | AGUJEROS MALLA d mm. | COD. | € |
|--------|-------|-------|----------------------|----------|--------|
| 1/2" | 76 | 52 | 1 | VF511003 | 14,65 |
| 3/4" | 102 | 65 | 1 | VF511004 | 18,80 |
| 1" | 124 | 81 | 1 | VF511005 | 25,90 |
| 1 1/4" | 132 | 97 | 1 | VF511006 | 36,80 |
| 1 1/2" | 146 | 103 | 1 | VF511007 | 43,90 |
| 2" | 184 | 117 | 1 | VF511008 | 61,50 |
| 2 1/2" | 229 | 145 | 1 | VF51100A | 91,55 |
| 3" | 254 | 172 | 1 | VF51100B | 112,10 |

CARACTERÍSTICAS TÉCNICAS

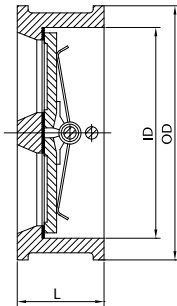
Presión de trabajo: PN 16.
 Temperatura de trabajo: -10° C a 200° C.
 Rosca hembra BSP.

COMPONENTES

Cuerpo: Fundición Nodular GGG 40 (EN-GJS-400-15)
 Tapa: Fundición Nodular GGG 40 (EN-GJS-400-15)
 Malla: Acero Inoxidable AISI 304
 Junta: Grafito

520

VÁLVULA DE RETENCIÓN DE DOBLE PLATO ACERO INOXIDABLE AISI 316



| DN | L mm. | OD mm. | ID mm. | COD. | € |
|----------------|-------|--------|--------|----------|----------|
| 40 | 43 | 92 | 65 | VF520040 | 41,95 |
| 50 | 54 | 109 | 65 | VF520050 | 43,10 |
| 65 | 54 | 129 | 80 | VF520065 | 50,45 |
| 80 | 57 | 144 | 94 | VF520080 | 66,95 |
| 100 | 64 | 164 | 117 | VF520100 | 83,45 |
| 125 | 70 | 194 | 145 | VF520125 | 112,60 |
| 150 | 76 | 220 | 170 | VF520150 | 165,70 |
| 200 | 95 | 275 | 224 | VF520200 | 302,50 |
| 250 | 108 | 328 | 265 | VF520250 | 438,10 |
| 300 | 143 | 378 | 312 | VF520300 | 573,60 |
| 350 | 184 | 438 | 360 | VF520350 | 1.009,70 |
| 400 | 191 | 489 | 410 | VF520400 | 1.477,15 |
| NEW 450 | 203 | 532 | 450 | VF520450 | 2.395,00 |
| NEW 500 | 213 | 585 | 500 | VF520500 | 2.874,20 |
| NEW 600 | 222 | 685 | 624 | VF520600 | 4.890,00 |

CARACTERÍSTICAS TÉCNICAS

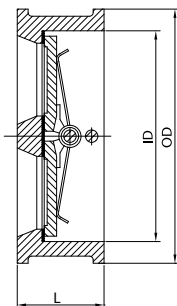
Presión de trabajo: PN 16.
 Temperatura máxima: -10° C a 80° C.
 Adaptable a bridas PN10/16.
 Dist. Bridas: DIN 3202-1 (EN 558-1 Serie 50).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
Plato: Acero Inoxidable AISI 316 (CF8M)
Asiento: Goma vulcanizada NBR
Ejes: Acero Inoxidable AISI 316
Arandela: P.T.F.E.
Muelle: Acero Inoxidable AISI 316

521

VÁLVULA DE RETENCIÓN DE DOBLE PLATO FUNDICIÓN NODULAR



| DN | L mm. | OD mm. | ID mm. | COD. | € |
|----------------|-------|--------|--------|----------|----------|
| 40 | 43 | 92 | 65 | VF521040 | 34,85 |
| 50 | 54 | 109 | 65 | VF521050 | 35,15 |
| 65 | 54 | 129 | 80 | VF521065 | 42,70 |
| 80 | 57 | 144 | 94 | VF521080 | 57,55 |
| 100 | 64 | 164 | 117 | VF521100 | 71,25 |
| 125 | 70 | 194 | 145 | VF521125 | 96,75 |
| 150 | 76 | 220 | 170 | VF521150 | 131,95 |
| 200 | 95 | 275 | 224 | VF521200 | 220,45 |
| 250 | 108 | 328 | 265 | VF521250 | 328,50 |
| 300 | 143 | 378 | 312 | VF521300 | 456,95 |
| 350 | 184 | 438 | 360 | VF521350 | 803,90 |
| 400 | 191 | 489 | 410 | VF521400 | 1.028,65 |
| NEW 450 | 203 | 532 | 450 | VF521450 | 1.625,00 |
| NEW 500 | 213 | 585 | 500 | VF521500 | 1.724,80 |
| NEW 600 | 222 | 685 | 624 | VF521600 | 2.989,00 |

CARACTERÍSTICAS TÉCNICAS

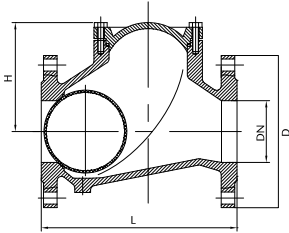
Presión de trabajo: PN 16.
 Temperatura máxima: -10° C a 80° C.
 Adaptable a bridas PN10/16.
 Dist. Bridas: DIN 3202-1 (EN 558-1 Serie 50).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
Plato: Fundición Nodular GGG 40 (EN-GJS-400-15)
Asiento: Goma vulcanizada NBR
Ejes: Acero Inoxidable AISI 304
Arandela: P.T.F.E.
Muelle: Acero Inoxidable AISI 304

550

VÁLVULA DE RETENCIÓN DE BOLA - BRIDADA



Bridas:

- PN 10
- PN 10/16
- PN 16

| DN | D mm. | L mm. | H mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|-------|---------------------|----------|----------|
| 40 | 150 | 180 | 98 | 4 x 19 | VF550040 | 109,35 |
| 50 | 165 | 200 | 106 | 4 x 19 | VF550050 | 113,90 |
| 65 | 185 | 240 | 129 | 4 x 19 | VF550065 | 149,55 |
| 80 | 200 | 260 | 146 | 8 x 19 | VF550080 | 186,55 |
| 100 | 220 | 300 | 194 | 8 x 19 | VF550100 | 244,20 |
| 125 | 250 | 350 | 207 | 8 x 19 | VF550125 | 361,30 |
| 150 | 285 | 400 | 240 | 8 x 23 | VF550150 | 465,10 |
| 200 | 340 | 500 | 322 | 8 x 23 | VF550201 | 920,25 |
| 200 | 340 | 500 | 322 | 12 x 23 | VF550200 | 920,25 |
| 250 | 395 | 600 | 388 | 12 x 23 | VF550251 | 1.590,65 |
| 250 | 405 | 600 | 388 | 12 x 28 | VF550250 | 1.590,65 |
| 300 | 445 | 700 | 458 | 12 x 23 | VF550301 | 2.291,15 |
| 300 | 460 | 700 | 458 | 12 x 28 | VF550300 | 2.291,15 |

CARACTERÍSTICAS TÉCNICAS

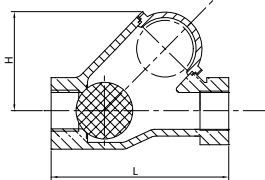
Presión de trabajo: PN 16.
 Temperatura de trabajo: -10° C a 80° C.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Dist. Bridas: DIN 3202-1 F6 (EN 558-1 Serie 48).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Nodular GGG 40 (EN-GJS-400-15)
Tapa: Fundición Nodular GGG 40 (EN-GJS-400-15)
Bola: Metal + NBR
Junta: NBR
Tornillería: Acero Inoxidable A2

555

VÁLVULA DE RETENCIÓN DE BOLA - ROSCADA



| Ø | L mm. | H mm. | COD. | € |
|--------|-------|-------|----------|--------|
| 1" | 125 | 75 | VF555005 | 44,85 |
| 1 1/4" | 132 | 75 | VF555006 | 48,25 |
| 1 1/2" | 145 | 85 | VF555007 | 59,95 |
| 2" | 174 | 116 | VF555008 | 89,05 |
| 2 1/2" | 200 | 140 | VF55500A | 128,00 |
| 3" | 243 | 160 | VF55500B | 174,40 |

CARACTERÍSTICAS TÉCNICAS

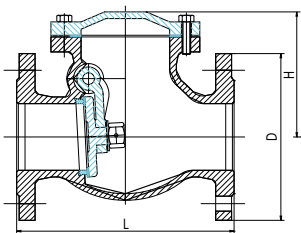
Presión de trabajo: PN 16.
 Temperatura de trabajo: -10° C a 80° C.
 Rosca hembra cilíndrica.
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Nodular GGG 40 (EN-GJS-400-15)
Tapa: Fundición Nodular GGG 40 (EN-GJS-400-15)
Bola: Metal + NBR
Junta: NBR
Tornillería: Acero Inoxidable A2

530

VÁLVULA DE RETENCIÓN CON CLAPETA RECUBIERTA DE GOMA



Bridas:

- PN 10
- PN 10/16
- PN 16

| DN | D mm. | L mm. | H mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|-------|---------------------|----------|----------|
| 50 | 165 | 200 | 127 | 4 x 19 | VF530050 | 96,10 |
| 65 | 185 | 240 | 137 | 4 x 19 | VF530065 | 144,10 |
| 80 | 200 | 260 | 150 | 8 x 19 | VF530080 | 183,45 |
| 100 | 220 | 300 | 164 | 8 x 19 | VF530100 | 220,15 |
| 125 | 250 | 350 | 185 | 8 x 19 | VF530125 | 340,35 |
| 150 | 285 | 400 | 205 | 8 x 23 | VF530150 | 492,10 |
| 200 | 340 | 500 | 249 | 8 x 23 | VF530201 | 654,65 |
| 200 | 340 | 500 | 249 | 12 x 23 | VF530200 | 654,65 |
| 250 | 395 | 600 | 301 | 12 x 23 | VF530251 | 1.071,70 |
| 250 | 405 | 600 | 301 | 12 x 28 | VF530250 | 1.071,70 |
| 300 | 445 | 700 | 333 | 12 x 23 | VF530301 | 1.546,00 |
| 300 | 460 | 700 | 333 | 12 x 28 | VF530300 | 1.546,00 |

CARACTERÍSTICAS TÉCNICAS

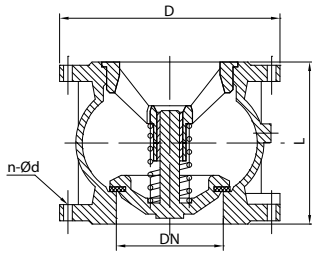
Presión de trabajo: PN 16.
 Temperatura de trabajo: -10° C a 80° C.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Dist. entre Bridas: DIN 3202-1 F6 (EN 558-1 Serie 48).
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
Tapa: Fundición Gris GG 25 (EN-GJL-250)
Disco: Fundición Gris GG 25 (EN-GJL-250)
Anillo de Asiento del cuerpo: Latón
Anillo de Asiento del disco: EPDM
Junta: Grafito

560

VÁLVULA DE RETENCIÓN A DISCO



| DN | D mm. | L mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|---------------------|----------|----------|
| 50 | 165 | 100 | 4 x 19 | VF560050 | 74,30 |
| 65 | 185 | 120 | 4 x 19 | VF560065 | 90,65 |
| 80 | 200 | 140 | 8 x 19 | VF560080 | 107,15 |
| 100 | 220 | 170 | 8 x 19 | VF560100 | 135,10 |
| 125 | 250 | 200 | 8 x 19 | VF560125 | 211,00 |
| 150 | 285 | 230 | 8 x 23 | VF560150 | 293,55 |
| 200 | 340 | 300 | 8 x 23 | VF560201 | 474,30 |
| 200 | 340 | 300 | 12 x 23 | VF560200 | 474,30 |
| 250 | 395 | 370 | 12 x 23 | VF560251 | 683,15 |
| 250 | 405 | 370 | 12 x 28 | VF560250 | 683,15 |
| 300 | 445 | 410 | 12 x 23 | VF560301 | 1.108,60 |
| 300 | 460 | 410 | 12 x 28 | VF560300 | 1.108,60 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16

CARACTERÍSTICAS TÉCNICAS

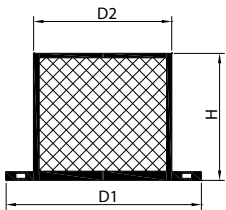
Presión de trabajo: PN 16.
 Temperatura de trabajo: -10° C a 80° C.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Protección interna y externa "EPOXY".

COMPONENTES

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)
Disco: Fundición Nodular GGG40 (EN-GJS-400-15)
Guía: Fundición Nodular GGG40 (EN-GJS-400-15)
Junta de cierre: NBR
Muelle: Acero Inoxidable AISI 304

565

FILTRO COLADOR PARA VÁLVULA DE RETENCIÓN A DISCO

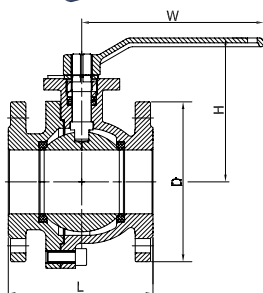


| DN | D1 mm. | D2 mm. | H mm. | COD. | € |
|-----|--------|--------|-------|----------|--------|
| 50 | 156 | 111 | 80 | VF565050 | 23,45 |
| 65 | 176 | 131 | 100 | VF565065 | 28,60 |
| 80 | 192 | 148 | 120 | VF565080 | 32,90 |
| 100 | 212 | 168 | 150 | VF565100 | 43,90 |
| 125 | 242 | 198 | 175 | VF565125 | 55,10 |
| 150 | 276 | 222 | 200 | VF565150 | 69,40 |
| 200 | 332 | 278 | 250 | VF565200 | 99,55 |
| 250 | 385 | 329 | 300 | VF565250 | 138,65 |
| 300 | 445 | 384 | 350 | VF565300 | 245,75 |

COMPONENTES: **Filtro:** Acero Zincado **Tornillería:** Acero Inoxidable

570

VÁLVULA DE BOLA



Bridas:

■ PN 10/16

■ PN 16

| DN | D mm. | L mm. | H mm. | W mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|-------|-------|---------------------|----------|----------|
| 15 | 95 | 115 | 86 | 130 | 4 x 14 | VF570015 | 59,85 |
| 20 | 105 | 120 | 95 | 130 | 4 x 14 | VF570020 | 77,30 |
| 25 | 115 | 125 | 100 | 160 | 4 x 14 | VF570025 | 90,00 |
| 32 | 140 | 130 | 105 | 160 | 4 x 19 | VF570032 | 104,15 |
| 40 | 150 | 140 | 121 | 220 | 4 x 19 | VF570040 | 124,65 |
| 50 | 165 | 150 | 136 | 250 | 4 x 19 | VF570050 | 146,65 |
| 65 | 185 | 170 | 161 | 350 | 4 x 19 | VF570065 | 231,15 |
| 80 | 200 | 180 | 180 | 350 | 8 x 19 | VF570080 | 265,10 |
| 100 | 220 | 190 | 222 | 400 | 8 x 19 | VF570100 | 380,15 |
| 125 | 250 | 325 | 260 | 600 | 8 x 19 | VF570125 | 740,10 |
| 150 | 285 | 350 | 280 | 600 | 8 x 23 | VF570150 | 955,70 |
| 200 | 340 | 400 | 340 | 700 | 12 x 23 | VF570200 | 1.694,40 |

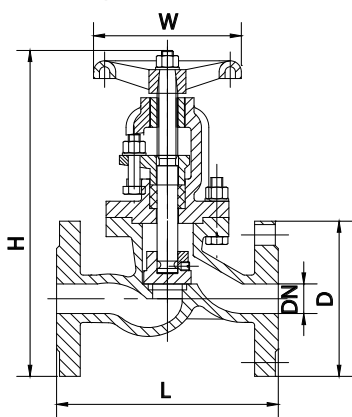
CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura de trabajo: 0° C a 150° C.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Dist. entre bridas: DIN 3202-1 F18 (EN 558-1 Serie 27).
 Placa ISO 5211.
 Paso total.

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
Tapa: Fundición Gris GG 25 (EN-GJL-250)
Bola: Acero Inoxidable AISI 304
Asiento: PTFE
Eje: Acero Inoxidable AISI 304
Junta Cuerpo: PTFE
Empaquetadura: PTFE
Palanca: Fundición Gris GG 25 (EN-GJL-250)

580 VÁLVULA DE GLOBO



| DN | D mm. | L mm. | H mm. | W mm. | Nº AGUJEROS x d mm. | COD. | € |
|-----|-------|-------|-------|-------|---------------------|----------|----------|
| 15 | 95 | 130 | 182 | 120 | 4 X 14 | VF580015 | 39,95 |
| 20 | 105 | 150 | 185 | 120 | 4 X 14 | VF580020 | 47,15 |
| 25 | 115 | 160 | 201 | 120 | 4 X 14 | VF580025 | 56,75 |
| 32 | 140 | 180 | 253 | 120 | 4 x 19 | VF580032 | 68,10 |
| 40 | 150 | 200 | 254 | 140 | 4 x 19 | VF580040 | 88,90 |
| 50 | 165 | 230 | 277 | 160 | 4 x 19 | VF580050 | 105,35 |
| 65 | 185 | 290 | 312 | 160 | 4 x 19 | VF580065 | 138,90 |
| 80 | 200 | 310 | 342 | 175 | 8 x 19 | VF580080 | 230,00 |
| 100 | 220 | 350 | 378 | 195 | 8 x 19 | VF580100 | 286,60 |
| 125 | 250 | 400 | 447 | 245 | 8 x 19 | VF580125 | 437,15 |
| 150 | 285 | 480 | 503 | 315 | 8 x 23 | VF580150 | 635,30 |
| 200 | 340 | 600 | 591 | 400 | 12 x 23 | VF580200 | 1.070,85 |

Bridas: ■ PN 10/16 ■ PN 16

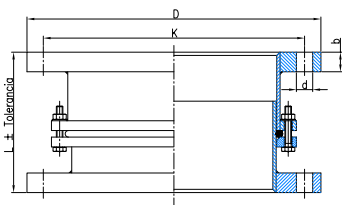
CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura de trabajo: 0° C a 120° C.
 Bridas según: DIN EN 1092-2 PN 10/16.
 Dist. entre bridas: DIN 3202-1 F1 (EN 558 Serie 1).

COMPONENTES

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)
 Tapa: Fundición Gris GG 25 (EN-GJL-250)
 Junta: Grafito
 Asiento Cuerpo: Acero Inoxidable AISI 304
 Asiento Disco: Acero Inoxidable AISI 304
 Disco: Fundición Gris GG 25 (EN-GJL-250)
 Empaquetadura: Grafito
 Prensa: Fundición Gris GG 25 (EN-GJL-250)
 Eje: Acero Inoxidable AISI 420
 Volante: Fundición Gris GG 25 (EN-GJL-250)

700 CARRETE TELESCÓPICO DE DESMONTAJE



| DN | Ø | L mm. | TOLERANCIA mm. | D mm. | K mm. | Nº AGUJEROS x d mm. | b mm. | COD. | € |
|-----|--------|-------|----------------|-------|-------|---------------------|-------|----------|----------|
| 50 | 2" | 180 | ±30 | 165 | 125 | 4 x 18 | 18 | VF700050 | 232,30 |
| 65 | 2 1/2" | 180 | ±30 | 185 | 145 | 8 x 18 | 18 | VF700065 | 258,35 |
| 80 | 3" | 180 | ±30 | 200 | 160 | 8 x 18 | 20 | VF700080 | 273,55 |
| 100 | 4" | 180 | ±30 | 220 | 180 | 8 x 18 | 20 | VF700100 | 286,95 |
| 125 | 5" | 180 | ±30 | 250 | 210 | 8 x 18 | 22 | VF700125 | 308,50 |
| 150 | 6" | 180 | ±30 | 285 | 240 | 8 x 22 | 22 | VF700150 | 323,90 |
| 200 | 8" | 220 | ±40 | 340 | 295 | 8 x 22 | 24 | VF700201 | 447,00 |
| 200 | 8" | 220 | ±40 | 340 | 295 | 12 x 22 | 24 | VF700200 | 506,40 |
| 250 | 10" | 230 | ±40 | 395 | 350 | 12 x 22 | 26 | VF700251 | 623,05 |
| 250 | 10" | 230 | ±40 | 405 | 355 | 12 x 26 | 26 | VF700250 | 706,70 |
| 300 | 12" | 230 | ±40 | 445 | 400 | 12 x 22 | 26 | VF700301 | 721,95 |
| 300 | 12" | 230 | ±40 | 460 | 410 | 12 x 26 | 28 | VF700300 | 807,60 |
| 350 | 14" | 270 | ±40 | 505 | 460 | 16 x 22 | 28 | VF700351 | 966,85 |
| 350 | 14" | 270 | ±40 | 520 | 470 | 16 x 26 | 30 | VF700350 | 1.076,30 |
| 400 | 16" | 270 | ±40 | 565 | 515 | 16 x 26 | 32 | VF700401 | 1.227,05 |
| 400 | 16" | 270 | ±40 | 580 | 525 | 16 x 30 | 32 | VF700400 | 1.386,30 |
| 500 | 20" | 270 | ±40 | 670 | 620 | 20 x 26 | 38 | VF700501 | 1.738,20 |
| 500 | 20" | 270 | ±40 | 715 | 650 | 20 x 33 | 38 | VF700500 | 1.938,75 |
| 600 | 24" | 330 | ±50 | 780 | 725 | 20 x 30 | 36 | VF700601 | 2.431,05 |
| 600 | 24" | 330 | ±50 | 840 | 770 | 20 x 36 | 38 | VF700600 | 2.675,70 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 10 y PN 16.
 Bridas según: DIN 2576 PN 10/16 y
 DIN 2502 PN 16.

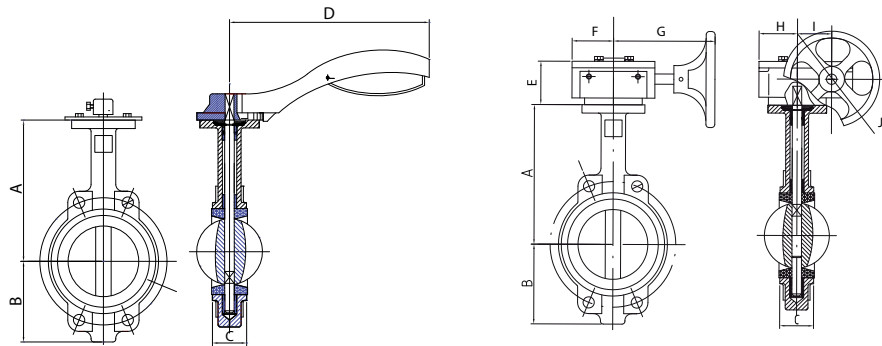
COMPONENTES

Virola: Acero Inoxidable AISI 304
 Bridas: Acero al Carbono S235 JR
 Junta: NBR
 Tornillos: Acero Cincado 8.8
 Pintura: Epoxy

TAMAÑOS, PRESIONES SUPERIORES, OTRAS CONFIGURACIONES - BAJO CONSULTA.

900/901/910/911/930/931

VÁLVULA DE MARIPOSA
TIPO WAFER



| DN | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A mm. | 150 | 150 | 161 | 175 | 181 | 200 | 213 | 226 | 260 | 292 | 337 | 368 | 400 | 422 | 480 | 562 |
| B mm. | 65 | 65 | 80 | 89 | 95 | 114 | 127 | 139 | 175 | 203 | 242 | 267 | 309 | 328 | 361 | 459 |
| C mm. | 33 | 33 | 43 | 46 | 46 | 52 | 56 | 56 | 60 | 68 | 78 | 78 | 102 | 114 | 127 | 154 |
| D mm. | 170 | 170 | 170 | 170 | 170 | 170 | 220 | 220 | 260 | 350 | 350 | - | - | - | - | - |
| E mm. | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 75 | 75 | 75 | 75 | 97 | 97 | 120 | 123 |
| F mm. | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 75 | 75 | 75 | 75 | 112 | 112 | 128 | 131 |
| G mm. | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 215 | 215 | 235 | 235 | 277 | 277 | 283 | 305 |
| H mm. | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 75 | 75 | 81 | 81 | 112 | 112 | 128 | 131 |
| I mm. | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 63 | 63 | 80 | 80 | 108 | 108 | 115 | 194 |
| J mm. | 135 | 135 | 135 | 135 | 145 | 145 | 145 | 145 | 270 | 270 | 270 | 270 | 380 | 380 | 380 | 385 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura: * EPDM: -10° C a 120° C.
 * NBR: -10° C a 80° C.
 Adecuadas para bridas PN10 y PN16.
 Distancia entre bridas: EN558 Serie 20.
 Protección externa "EPOXY".
 Brida montaje actuador ISO 5211.
 Maneta con orificio para candado.

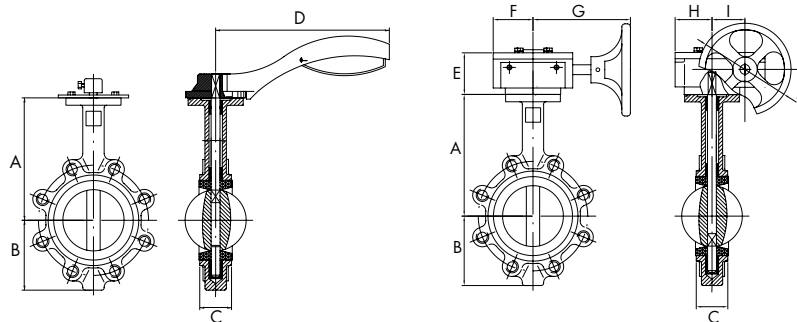
COMPONENTES

Cuerpo: Fundición Nodular GGG 40 (EN-GJS-400-15)
Disco: * Acero Inoxidable AISI 316 (CF8M)
 * Fundición Nodular Niquelado
Elastómero: * EPDM
 * NBR
Eje: Acero Inoxidable AISI 416
V. Reductor: Fundición Gris GG25 (EN-GJL-250)
Maneta: Aluminio
O-Ring: * EPDM
 * NBR

| DN | Ref. 900 | | Ref. 901 | | Ref. 910 | | Ref. 911 | | Ref. 930 | | Ref. 931 | |
|-----|--|--------|---|----------|---|--------|--|----------|---|--------|--|--------|
| | Cuerpo Fund. Nodular Disco Inox EPDM Maneta | | Cuerpo Fund. Nodular Disco Inox EPDM V. Reductor | | Cuerpo Fund. Nodular Disco Nodular EPDM Maneta | | Cuerpo Fund. Nodular Disco Nodular EPDM V. Reductor | | Cuerpo Fund. Nodular Disco Inox NBR Maneta | | Cuerpo Fund. Nodular Disco Inox NBR V. Reductor | |
| | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € |
| 32 | VF900032 | 46,35 | VF901032 | 89,60 | VF910032 | 39,40 | VF911032 | 83,75 | VF930032 | 46,35 | VF931032 | 89,60 |
| 40 | VF900040 | 46,35 | VF901040 | 89,60 | VF910040 | 39,40 | VF911040 | 83,75 | VF930040 | 46,35 | VF931040 | 89,60 |
| 50 | VF900050 | 46,35 | VF901050 | 89,60 | VF910050 | 39,40 | VF911050 | 83,75 | VF930050 | 46,35 | VF931050 | 89,60 |
| 65 | VF900065 | 56,40 | VF901065 | 101,25 | VF910065 | 47,55 | VF911065 | 93,20 | VF930065 | 56,40 | VF931065 | 101,25 |
| 80 | VF900080 | 63,00 | VF901080 | 108,10 | VF910080 | 51,15 | VF911080 | 97,50 | VF930080 | 63,00 | VF931080 | 108,10 |
| 100 | VF900100 | 91,90 | VF901100 | 134,15 | VF910100 | 67,15 | VF911100 | 117,15 | VF930100 | 91,90 | VF931100 | 134,15 |
| 125 | VF900125 | 128,20 | VF901125 | 170,80 | VF910125 | 96,45 | VF911125 | 138,10 | VF930125 | 128,20 | VF931125 | 170,80 |
| 150 | VF900150 | 153,70 | VF901150 | 198,25 | VF910150 | 112,95 | VF911150 | 151,15 | VF930150 | 153,70 | VF931150 | 198,25 |
| 200 | VF900200 | 277,20 | VF901200 | 357,00 | VF910200 | 166,05 | VF911200 | 243,60 | VF930200 | 277,20 | VF931200 | 357,00 |
| 250 | VF900250 | 438,80 | VF901250 | 537,95 | VF910250 | 262,60 | VF911250 | 321,40 | VF930250 | 438,80 | VF931250 | 537,95 |
| 300 | VF900300 | 686,50 | VF901300 | 826,40 | VF910300 | 365,60 | VF911300 | 436,00 | VF930300 | 686,50 | VF931300 | 826,40 |
| 350 | | | VF901350 | 1.190,70 | | | VF911350 | 580,00 | | | | |
| 400 | | | VF901400 | 2.061,50 | | | VF911400 | 1.126,05 | | | | |
| 450 | | | VF901450 | 2.654,00 | | | VF911450 | 1.579,00 | | | | |
| 500 | | | VF901500 | 3.197,70 | | | VF911500 | 1.773,90 | | | | |
| 600 | | | VF901600 | 6.185,00 | | | VF911600 | 3.691,00 | | | | |

950/951/960/961/970/971

VÁLVULA DE MARIPOSA
TIPO LUG



| DN | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A mm. | 142 | 142 | 130 | 140 | 148 | 164 | 213 | 226 | 260 | 292 | 337 | 369 | 400 |
| B mm. | 72 | 72 | 67 | 71 | 91 | 99 | 127 | 139 | 175 | 203 | 242 | 263 | 309 |
| C mm. | 33 | 33 | 43 | 46 | 46 | 52 | 56 | 56 | 60 | 68 | 78 | 78 | 102 |
| D mm. | 170 | 170 | 170 | 170 | 170 | 170 | 220 | 220 | 260 | 350 | 350 | - | - |
| E mm. | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 75 | 75 | 75 | 83 | 97 |
| F mm. | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 75 | 75 | 75 | 81 | 112 |
| G mm. | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 215 | 215 | 235 | 227 | 277 |
| H mm. | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 75 | 75 | 81 | 81 | 112 |
| I mm. | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 63 | 63 | 80 | 80 | 108 |
| J mm. | 135 | 135 | 135 | 135 | 145 | 145 | 145 | 145 | 270 | 270 | 270 | 270 | 380 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Temperatura: * EPDM: -10° C a 120° C.
 * NBR: -10° C a 80° C.
 Adecuadas para bridas PN10 y PN16.
 Distancia entre bridas: EN558 Serie 20.
 Protección externa "EPOXY".
 Brida montaje actuador ISO 5211.
 Maneta con orificio para candado.

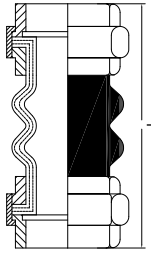
COMPONENTES

Cuerpo: Fundición Nodular GGG 40 (EN-GJS-400-15)
Disco: * Acero Inoxidable AISI 316 (CF8M)
 * Fundición Nodular Niquelado
Elastómero: * EPDM
 * NBR
Eje: Acero Inoxidable AISI 416
V. Reductor: Fundición Gris GG25 (EN-GJL-250)
Maneta: Aluminio
O-Ring: * EPDM
 * NBR

| DN | Ref. 950 | | Ref. 951 | | Ref. 960 | | Ref. 961 | | Ref. 970 | | Ref. 971 | |
|-----|--|--------|---|----------|---|--------|--|----------|---|--------|--|----------|
| | Cuerpo Fund. Nodular Disco Inox EPDM Maneta | | Cuerpo Fund. Nodular Disco Inox EPDM V. Reductor | | Cuerpo Fund. Nodular Disco Nodular EPDM Maneta | | Cuerpo Fund. Nodular Disco Nodular EPDM V. Reductor | | Cuerpo Fund. Nodular Disco Inox NBR Maneta | | Cuerpo Fund. Nodular Disco Inox NBR V. Reductor | |
| | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € | COD. | € |
| 32 | VF950032 | 64,90 | VF951032 | 126,85 | VF960032 | 55,75 | VF961032 | 109,35 | VF970032 | 64,90 | VF971032 | 126,85 |
| 40 | VF950040 | 64,90 | VF951040 | 126,85 | VF960040 | 55,75 | VF961040 | 109,35 | VF970040 | 64,90 | VF971040 | 126,85 |
| 50 | VF950050 | 64,90 | VF951050 | 126,85 | VF960050 | 55,75 | VF961050 | 109,35 | VF970050 | 64,90 | VF971050 | 126,85 |
| 65 | VF950065 | 77,40 | VF951065 | 150,00 | VF960065 | 66,50 | VF961065 | 119,15 | VF970065 | 77,40 | VF971065 | 150,00 |
| 80 | VF950080 | 91,75 | VF951080 | 165,60 | VF960080 | 75,40 | VF961080 | 126,90 | VF970080 | 91,75 | VF971080 | 165,60 |
| 100 | VF950100 | 134,65 | VF951100 | 195,40 | VF960100 | 114,55 | VF961100 | 164,60 | VF970100 | 134,65 | VF971100 | 195,40 |
| 125 | VF950125 | 184,05 | VF951125 | 245,85 | VF960125 | 143,30 | VF961125 | 197,35 | VF970125 | 184,05 | VF971125 | 245,85 |
| 150 | VF950150 | 240,80 | VF951150 | 300,50 | VF960150 | 163,50 | VF961150 | 222,25 | VF970150 | 240,80 | VF971150 | 300,50 |
| 200 | VF950201 | 367,00 | VF951201 | 438,50 | VF960201 | 259,50 | VF961201 | 342,65 | VF970201 | 367,00 | VF971201 | 438,50 |
| 200 | VF950200 | 367,00 | VF951200 | 438,50 | VF960200 | 259,50 | VF961200 | 342,65 | VF970200 | 367,00 | VF971200 | 438,50 |
| 250 | VF950251 | 632,90 | VF951251 | 702,25 | VF960251 | 395,45 | VF961251 | 499,80 | VF970251 | 632,90 | VF971251 | 702,25 |
| 250 | VF950250 | 632,90 | VF951250 | 702,25 | VF960250 | 395,45 | VF961250 | 499,80 | VF970250 | 632,90 | VF971250 | 702,25 |
| 300 | VF950301 | 984,30 | VF951301 | 1.070,90 | VF960301 | 569,30 | VF961301 | 684,20 | VF970301 | 984,30 | VF971301 | 1.070,90 |
| 300 | VF950300 | 984,30 | VF951300 | 1.070,90 | VF960300 | 569,30 | VF961300 | 684,20 | VF970300 | 984,30 | VF971300 | 1.070,90 |
| 350 | | | VF951351 | 1.498,60 | | | VF961351 | 998,50 | | | VF971351 | 1.498,60 |
| 350 | | | VF951350 | 1.498,60 | | | VF961350 | 998,50 | | | VF971350 | 1.498,60 |
| 400 | | | VF951401 | 2.455,20 | | | VF961401 | 1.802,00 | | | VF971401 | 2.455,20 |
| 400 | | | VF951400 | 2.455,20 | | | VF961400 | 1.802,00 | | | VF971400 | 2.455,20 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16

MANGUITO ANTIVIBRATORIO - DOBLE ONDA - TIPO UNIÓN



| DN | L mm. | COMPRESIÓN AXIAL mm. | ELONGACIÓN AXIAL mm. | DESVIACIÓN LATERAL mm. | DESVIACIÓN ANGULAR GRADOS | COD. EPDM | € |
|----|-------|----------------------|----------------------|------------------------|---------------------------|-----------|-------|
| 20 | 200 | 22 | 6 | 22 | 20 | VSMU0020 | 23,70 |
| 25 | 200 | 22 | 6 | 22 | 20 | VSMU0025 | 24,40 |
| 32 | 200 | 22 | 6 | 22 | 20 | VSMU0032 | 33,15 |
| 40 | 200 | 22 | 6 | 22 | 20 | VSMU0040 | 36,55 |
| 50 | 200 | 22 | 6 | 22 | 20 | VSMU0050 | 47,40 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
 Vacío: 525 mm. Hg.
 Temperatura: -20° C a 115° C.
 Unión mediante accesorios maleables roscados.

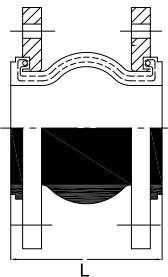
COMPONENTES

Polímero base: EPDM en interior y exterior
 Refuerzo de Nylon con cable de acero
 Accesorios rosca BSPT de fundición maleable electrozincado

Relación Presión / Temperatura

| Tª (°C) | -20 | 20 | 60 | 80 | 115 |
|---------|-----|----|----|----|-----|
| P (bar) | 16 | 16 | 16 | 10 | 1 |

MANGUITO ANTIVIBRATORIO - SIMPLE ONDA - TIPO BRIDA



| DN | L mm. | COMPRESIÓN AXIAL mm. | ELONGACIÓN AXIAL mm. | DESVIACIÓN LATERAL mm. | DESVIACIÓN ANGULAR GRADOS | COD. EPDM | € EPDM | COD. NBR | € NBR |
|-----|-------|----------------------|----------------------|------------------------|---------------------------|-----------|--------|----------|--------|
| 32 | 95 | 10 | 6 | 10 | 15 | VSMB0032 | 35,65 | | |
| 40 | 95 | 10 | 6 | 10 | 15 | VSMB0040 | 35,65 | VSMBN040 | 50,25 |
| 50 | 105 | 10 | 6 | 10 | 15 | VSMB0050 | 44,65 | VSMBN050 | 62,50 |
| 65 | 115 | 15 | 8 | 12 | 15 | VSMB0065 | 55,50 | VSMBN065 | 75,60 |
| 80 | 135 | 15 | 8 | 12 | 15 | VSMB0080 | 66,00 | VSMBN080 | 101,05 |
| 100 | 135 | 20 | 12 | 16 | 15 | VSMB0100 | 79,55 | VSMBN100 | 109,60 |
| 125 | 165 | 20 | 12 | 16 | 15 | VSMB0125 | 111,55 | VSMBN125 | 142,65 |
| 150 | 180 | 20 | 12 | 16 | 15 | VSMB0150 | 148,15 | VSMBN150 | 202,35 |
| 200 | 205 | 20 | 12 | 16 | 15 | VSMB1200 | 221,90 | | |
| 200 | 205 | 20 | 12 | 16 | 15 | VSMB0200 | 222,40 | VSMBN200 | 312,25 |
| 250 | 240 | 30 | 14 | 25 | 15 | VSMB1250 | 314,75 | | |
| 250 | 240 | 30 | 14 | 25 | 15 | VSMB0250 | 337,00 | VSMBN250 | 444,90 |
| 300 | 260 | 30 | 14 | 25 | 15 | VSMB1300 | 434,50 | | |
| 300 | 260 | 30 | 14 | 25 | 15 | VSMB0300 | 474,10 | | |
| 350 | 265 | 30 | 14 | 25 | 15 | VSMB0350 | 719,70 | | |
| 400 | 265 | 30 | 14 | 25 | 15 | VSMB0400 | 877,95 | | |

Bridas: ■ PN 10 ■ PN 16

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 10 y PN 16
 Vacío: 760 mm. Hg.
 Temperatura: -20° C a 115° C.
 Unión mediante bridas de acero.

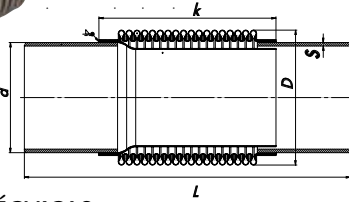
COMPONENTES

Polímero base: * EPDM en interior y exterior
 * NBR interior / EPDM exterior
 Refuerzo de Nylon con cable de acero
 Bridas de acero al carbono zincadas

RELACIÓN PRESIÓN / TEMPERATURA

| Tª (°C) | -20 | 20 | 60 | 80 | 115 |
|---------|-----|----|----|----|-----|
| P (bar) | 16 | 16 | 16 | 16 | 1 |

JUNTA DE EXPANSIÓN METÁLICA CON CAMISA INTERIOR - EXTREMOS SOLDAR

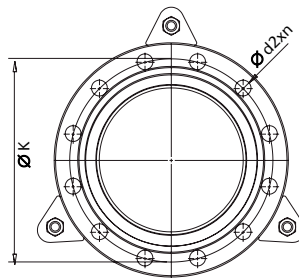
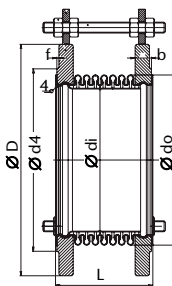
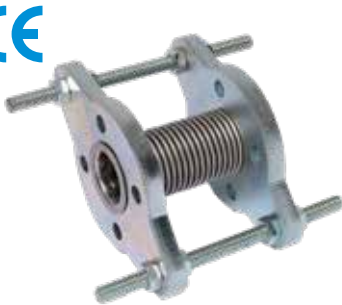


CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
Camisa interior: AISI 321.
Muelle: AISI 321.
Cuerpo en acero.

| DN | DIMENSIONES | | | | COMPRESIÓN AXIAL | COD. | € |
|-----|-------------|---------|-----------|-------|------------------|----------|--------|
| | Ø d mm. | Ø D mm. | ESPIRALES | L mm. | | | |
| 25 | 38,0 | 48 | 20 | 250 | +5 -25 | VSMUM025 | 72,25 |
| 32 | 42,4 | 55 | 28 | 350 | +10 -30 | VSMUM032 | 83,60 |
| 40 | 48,3 | 61 | 24 | 350 | +10 -30 | VSMUM040 | 96,75 |
| 50 | 60,3 | 76 | 26 | 350 | +10 -35 | VSMUM050 | 106,00 |
| 65 | 76,1 | 95 | 26 | 350 | +10 -35 | VSMUM065 | 130,65 |
| 80 | 88,9 | 111 | 18 | 350 | +10 -40 | VSMUM080 | 157,05 |
| 100 | 114,3 | 140 | 18 | 350 | +10 -40 | VSMUM100 | 199,75 |
| 125 | 139,7 | 164 | 17 | 350 | +10 -40 | VSMUM125 | 280,70 |
| 150 | 168,3 | 200 | 15 | 350 | +10 -40 | VSMUM150 | 360,20 |
| 200 | 219,1 | 250 | 14 | 350 | +10 -40 | VSMUM200 | 542,15 |

JUNTA DE EXPANSIÓN METÁLICA CON CAMISA INTERIOR

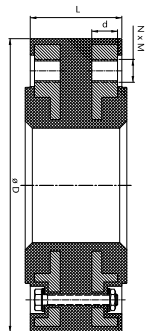


CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.
Camisa interior: AISI 321.
Muelle: AISI 321.
Tirantes: Rst. 37.2.
Soporte: Rst. 37.2.
Tuerca: Rst. 37.2.
Bridas: Rst. 37.2.

| DN | BRIDAS | | | | | MUELLE | | | | L mm. | COMPRESIÓN AXIAL | COD. | € |
|-----|---------|---------|----------|-------|-------|--------|----------|----------|-----------|-------|------------------|----------|--------|
| | Ø D mm. | Ø k mm. | Ø d4 mm. | f mm. | b mm. | Ø d2xn | Ø di mm. | Ø do mm. | ESPIRALES | | | | |
| 25 | 115 | 85 | 68 | 2 | 16 | Ø14x4 | 38,0 | 48,2 | 18 | 120 | +10 -20 | VSMBM025 | 109,65 |
| 32 | 140 | 100 | 78 | 2 | 16 | Ø18x4 | 42,4 | 55,0 | 18 | 125 | +10 -20 | VSMBM032 | 115,15 |
| 40 | 150 | 110 | 88 | 3 | 16 | Ø18x4 | 48,3 | 61,0 | 18 | 130 | +10 -20 | VSMBM040 | 136,60 |
| 50 | 165 | 125 | 102 | 3 | 18 | Ø18x4 | 60,3 | 76,0 | 14 | 120 | +10 -20 | VSMBM050 | 147,95 |
| 65 | 185 | 145 | 122 | 3 | 18 | Ø18x4 | 76,1 | 95,0 | 12 | 120 | +10 -20 | VSMBM065 | 170,75 |
| 80 | 200 | 160 | 138 | 3 | 20 | Ø18x8 | 88,9 | 111,0 | 9 | 120 | +10 -20 | VSMBM080 | 204,85 |
| 100 | 220 | 180 | 158 | 3 | 20 | Ø18x8 | 114,3 | 140,0 | 9 | 130 | +10 -20 | VSMBM100 | 260,65 |
| 125 | 250 | 210 | 188 | 3 | 22 | Ø18x8 | 139,7 | 164,0 | 9 | 140 | +10 -20 | VSMBM125 | 310,55 |
| 150 | 285 | 240 | 212 | 3 | 22 | Ø23x8 | 168,3 | 200,0 | 9 | 155 | +8 -25 | VSMBM150 | 372,45 |
| 200 | 340 | 295 | 268 | 3 | 24 | Ø23x12 | 219,1 | 250,0 | 7 | 150 | +8 -25 | VSMBM200 | 588,90 |
| 250 | 405 | 355 | 320 | 3 | 26 | Ø27x12 | 273,0 | 323,0 | 5 | 200 | +8 -35 | VSMBM250 | 769,15 |

MANGUITO ANTIVIBRATORIO ("TACO")



CARACTERÍSTICAS TÉCNICAS

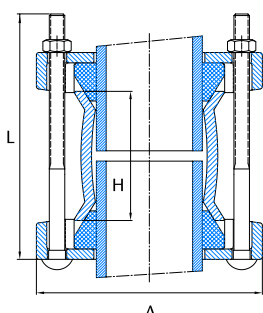
Presión de trabajo: PN 10.
Temperatura: -10° C a 80° C.
Apriete mínimo: 30 Nm.
Unión mediante bridas vulcanizadas.

COMPONENTES

Polímero base: EPDM
Bridas de acero al carbono

| DN | L mm. | BRIDA PN10 | | | | COD. | € |
|-----|-------|------------|--------------------|---------|-------|----------|--------|
| | | D mm. | ENTRE AGUJEROS mm. | N x M | d mm. | | |
| 20 | 71 | 111 | 75 | 4 x M12 | 14 | VSMG0020 | 87,95 |
| 25 | 71 | 120 | 85 | 4 x M12 | 16 | VSMG0025 | 94,80 |
| 32 | 71 | 146 | 100 | 4 x M16 | 16 | VSMG0032 | 106,95 |
| 40 | 71 | 157 | 110 | 4 x M16 | 16 | VSMG0040 | 117,60 |
| 50 | 71 | 171 | 125 | 4 x M16 | 16 | VSMG0050 | 138,95 |
| 65 | 71 | 191 | 145 | 4 x M16 | 16 | VSMG0065 | 158,90 |
| 80 | 71 | 207 | 160 | 8 x M16 | 18 | VSMG0080 | 182,60 |
| 100 | 71 | 226 | 180 | 8 x M16 | 18 | VSMG0100 | 211,70 |
| 125 | 71 | 256 | 210 | 8 x M16 | 18 | VSMG0125 | 230,15 |
| 150 | 71 | 291 | 240 | 8 x M20 | 18 | VSMG0150 | 323,95 |
| 200 | 91 | 347 | 295 | 8 x M20 | 20 | VSMG0200 | 419,50 |

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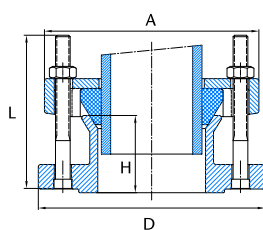


| DN | TOLERANCIA | TORNILLO | | | A mm. | H mm. | COD. | € |
|-----|------------|----------|---------|-------|-------|-------|----------|--------|
| | | Nº | MÉTRICA | L mm. | | | | |
| 40 | 48-60 | 2 | M12 | 200 | 145 | 95 | VF770040 | 36,00 |
| 50 | 59-72 | 4 | M12 | 200 | 161 | 100 | VF770050 | 47,50 |
| 65 | 68-85 | 4 | M12 | 200 | 166 | 100 | VF770065 | 54,45 |
| 80 | 88-103 | 4 | M12 | 200 | 190 | 100 | VF770080 | 67,70 |
| 100 | 99-119 | 4 | M12 | 200 | 225 | 100 | VF770101 | 80,65 |
| 100 | 109-128 | 4 | M12 | 190 | 221 | 95 | VF770100 | 78,90 |
| 125 | 132-157 | 4 | M12 | 190 | 245 | 95 | VF770125 | 95,90 |
| 150 | 159-182 | 4 | M12 | 200 | 281 | 105 | VF770150 | 120,00 |
| 175 | 192-210 | 4 | M12 | 230 | 305 | 130 | VF770175 | 136,50 |
| 200 | 218-235 | 4 | M12 | 230 | 331 | 130 | VF770200 | 142,70 |
| 225 | 242-268 | 6 | M12 | 230 | 367 | 130 | VF770225 | 194,45 |
| 250 | 272-289 | 6 | M12 | 230 | 395 | 130 | VF770250 | 240,40 |
| 300 | 315-332 | 6 | M12 | 230 | 440 | 130 | VF770300 | 268,55 |

CARACTERÍSTICAS TÉCNICAS

Para unir tubos de fundición, PVC, acero o fibrocemento.
 Fabricados en fundición nodular GGG 40 (EN-GJS-400-15) con recubrimiento "EPOXY" 250 µm.
 Juntas en EPDM.
 Tornillería de acero con recubrimiento DACROMET.

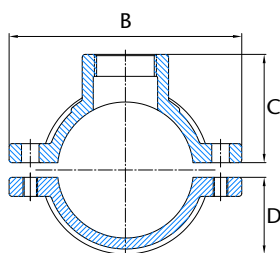
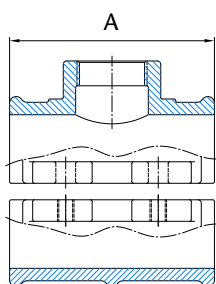
780 UNIÓN UNIVERSAL CON BRIDA



| DN | TOLERANCIA | TORNILLO | | | A mm. | D mm. | H mm. | COD. | € |
|-----|------------|----------|---------|-------|-------|-------|-------|----------|--------|
| | | Nº | MÉTRICA | L mm. | | | | | |
| 50 | 59-72 | 4 | M12 | 130 | 161 | 164 | 80 | VF780050 | 48,55 |
| 65 | 68-85 | 4 | M12 | 130 | 166 | 185 | 82 | VF780065 | 54,35 |
| 80 | 88-103 | 4 | M12 | 130 | 190 | 204 | 81 | VF780080 | 62,00 |
| 100 | 99-119 | 4 | M12 | 145 | 225 | 234 | 100 | VF780101 | 76,15 |
| 100 | 109-128 | 4 | M12 | 130 | 221 | 215 | 82 | VF780100 | 71,45 |
| 125 | 132-157 | 4 | M12 | 130 | 245 | 273 | 82 | VF780125 | 82,90 |
| 150 | 159-182 | 4 | M12 | 130 | 281 | 299 | 80 | VF780150 | 106,95 |
| 200 | 192-210 | 4 | M12 | 130 | 305 | 340 | 80 | VF780175 | 129,40 |
| 200 | 218-235 | 4 | M12 | 130 | 331 | 340 | 80 | VF780200 | 135,85 |
| 250 | 242-268 | 6 | M12 | 140 | 367 | 400 | 90 | VF780225 | 193,95 |
| 250 | 272-289 | 6 | M12 | 140 | 395 | 400 | 90 | VF780250 | 200,15 |
| 300 | 315-332 | 6 | M12 | 140 | 440 | 455 | 92 | VF780300 | 231,65 |

CARACTERÍSTICAS TÉCNICAS

Adecuada para bridas PN 10 y PN 16.
 Para unir tubos de fundición, PVC, acero o fibrocemento.
 Fabricados en fundición nodular GGG 40 (EN-GJS-400-15) con recubrimiento "EPOXY" 250 µm.
 Juntas en EPDM.
 Tornillería de acero con recubrimiento DACROMET.



| Ø EXT TUBO mm. | SALIDA ROSCADA | A mm. | B mm. | C + D mm. | COD. | € |
|----------------|----------------|-------|-------|-----------|----------|--------|
| 50 | 3/4" | 80 | 115 | 84 | VF720504 | 28,45 |
| | 1" | 80 | 115 | 84 | VF720505 | 28,45 |
| 63 | 3/4" | 90 | 130 | 97 | VF720634 | 32,30 |
| | 1" | 90 | 130 | 97 | VF720635 | 32,30 |
| | 1 1/4" | 90 | 130 | 97 | VF720636 | 33,25 |
| | 1 1/2" | 90 | 130 | 97 | VF720637 | 33,80 |
| 75 | 2" | 90 | 130 | 97 | VF720638 | 34,95 |
| | 3/4" | 100 | 145 | 110 | VF720754 | 36,50 |
| | 1" | 100 | 145 | 110 | VF720755 | 36,50 |
| | 1 1/4" | 100 | 145 | 110 | VF720756 | 36,80 |
| | 1 1/2" | 100 | 145 | 110 | VF720757 | 38,05 |
| 90 | 2" | 100 | 145 | 110 | VF720758 | 38,05 |
| | 3/4" | 100 | 156 | 124 | VF720904 | 41,70 |
| | 1" | 100 | 156 | 124 | VF720905 | 41,70 |
| | 1 1/4" | 100 | 156 | 124 | VF720906 | 42,45 |
| 110 | 1 1/2" | 100 | 156 | 124 | VF720907 | 42,90 |
| | 2" | 100 | 156 | 124 | VF720908 | 44,25 |
| | 3/4" | 100 | 178 | 144 | VF721104 | 49,05 |
| 125 | 1" | 100 | 178 | 144 | VF721105 | 49,05 |
| | 1 1/4" | 100 | 178 | 144 | VF721106 | 49,75 |
| | 1 1/2" | 100 | 178 | 144 | VF721107 | 50,05 |
| | 2" | 100 | 178 | 144 | VF721108 | 50,20 |
| 140 | 3/4" | 110 | 198 | 160 | VF721254 | 63,80 |
| | 1" | 110 | 198 | 160 | VF721255 | 63,80 |
| | 1 1/4" | 110 | 198 | 160 | VF721256 | 64,80 |
| | 1 1/2" | 110 | 198 | 160 | VF721257 | 65,95 |
| | 2" | 110 | 198 | 160 | VF721258 | 66,80 |
| | 2 1/2" | 110 | 198 | 160 | VF72125A | 73,75 |
| | 3" | 110 | 198 | 160 | VF72125B | 74,45 |
| | 1" | 110 | 215 | 176 | VF721405 | 69,40 |
| 160 | 1 1/4" | 110 | 215 | 176 | VF721406 | 70,50 |
| | 1 1/2" | 110 | 215 | 176 | VF721407 | 71,45 |
| | 2" | 110 | 215 | 176 | VF721408 | 71,90 |
| | 2 1/2" | 110 | 215 | 176 | VF72140A | 82,70 |
| | 3" | 110 | 215 | 176 | VF72140B | 83,40 |
| 200 | 1" | 125 | 235 | 198 | VF721605 | 83,25 |
| | 1 1/4" | 125 | 235 | 198 | VF721606 | 84,25 |
| | 1 1/2" | 125 | 235 | 198 | VF721607 | 84,50 |
| | 2" | 125 | 235 | 198 | VF721608 | 85,15 |
| 250 | 3" | 125 | 235 | 198 | VF72160B | 105,70 |
| | 1" | 140 | 290 | 240 | VF722005 | 124,55 |
| | 1 1/4" | 140 | 290 | 240 | VF722006 | 125,40 |
| | 1 1/2" | 140 | 290 | 240 | VF722007 | 126,75 |
| | 2" | 140 | 290 | 240 | VF722008 | 130,20 |
| 315 | 3" | 140 | 290 | 240 | VF72200B | 131,05 |
| | 1" | 140 | 341 | 291 | VF722505 | 204,30 |
| | 1 1/2" | 140 | 341 | 291 | VF722507 | 205,50 |
| | 2" | 140 | 341 | 291 | VF722508 | 206,25 |
| 315 | 3" | 140 | 341 | 291 | VF72250B | 207,15 |
| | 2" | 140 | 409 | 356 | VF723158 | 253,00 |
| | 3" | 140 | 409 | 356 | VF72315B | 253,90 |

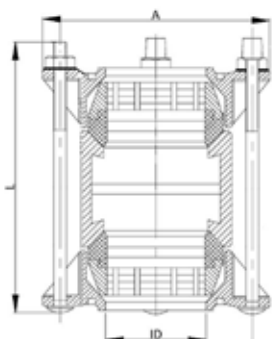
CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición nodular GGG 50 (EN-GJS-500-7) con recubrimiento "EPOXY" 250 µm. Juntas en EPDM.

Tornillos de acero inoxidable A2.

730

UNIÓN ANTI-TRACCIÓN PARA TUBO PE



| Ø mm. | TORNILLO | | A mm. | L mm. | ID mm. | COD. | € |
|-------|----------|----|-------|-------|--------|----------|--------|
| | MÉTRICA | Nº | | | | | |
| 63 | M12 | 4 | 165 | 180 | 67 | VF730063 | 78,85 |
| 75 | M12 | 4 | 177 | 180 | 79 | VF730075 | 112,60 |
| 90 | M12 | 4 | 195 | 180 | 94 | VF730090 | 128,35 |
| 110 | M12 | 4 | 212 | 180 | 115 | VF730110 | 157,10 |
| 125 | M12 | 4 | 228 | 200 | 130 | VF730125 | 214,95 |
| 140 | M12 | 4 | 245 | 200 | 145 | VF730140 | 240,80 |
| 160 | M12 | 4 | 270 | 220 | 165 | VF730160 | 254,15 |
| 200 | M12 | 4 | 313 | 220 | 205 | VF730200 | 339,55 |
| 250 | M16 | 6 | 375 | 250 | 255 | VF730250 | 637,80 |
| 315 | M16 | 6 | 442 | 300 | 320 | VF730315 | 977,95 |

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.

Fabricadas en fundición nodular GGG 50 (EN-GJS-500-7) con recubrimiento "EPOXY" 250 µm.

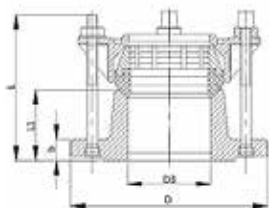
Juntas en EPDM.

Anillo de presión de latón.

Tornillería de acero con recubrimiento DACROMET.

740

BRIDA ANTI-TRACCIÓN PARA TUBO PE



| DN | Ø mm. | TORNILLO | | D3 mm. | b mm. | L1 mm. | L mm. | D mm. | COD. | € |
|-------|-------|----------|----|--------|-------|--------|-------|-------|----------|--------|
| | | MÉTRICA | Nº | | | | | | | |
| 50/65 | 63 | M12 | 4 | 80 | 19 | 65 | 110 | 185 | VF740063 | 77,20 |
| 65 | 75 | M12 | 4 | 94 | 19 | 65 | 110 | 185 | VF740075 | 94,95 |
| 80 | 90 | M12 | 4 | 108 | 19 | 65 | 110 | 200 | VF740090 | 110,05 |
| 100 | 110 | M12 | 4 | 128 | 19 | 65 | 110 | 220 | VF740110 | 123,20 |
| 125 | 125 | M12 | 4 | 142 | 19 | 65 | 120 | 250 | VF740125 | 171,00 |
| 125 | 140 | M12 | 4 | 160 | 19 | 65 | 120 | 250 | VF740140 | 191,05 |
| 150 | 160 | M12 | 4 | 180 | 19 | 65 | 120 | 285 | VF740160 | 202,65 |
| 200 | 200 | M16 | 4 | 220 | 19 | 75 | 140 | 340 | VF740200 | 289,50 |
| 250 | 250 | M16 | 6 | 270 | 22 | 85 | 170 | 400 | VF740250 | 482,55 |
| 300 | 315 | M16 | 6 | 334 | 24 | 85 | 170 | 455 | VF740315 | 637,00 |

Bridas: PN 10/16

CARACTERÍSTICAS TÉCNICAS

Presión de trabajo: PN 16.

Fabricadas en fundición nodular GGG 50 (EN-GJS-500-7) con recubrimiento "EPOXY" 250 µm.

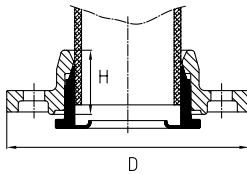
Juntas en EPDM.

Anillo de presión de latón.

Tornillería de acero con recubrimiento DACROMET.

750

BRIDA DOBLE CÁMARA ANTI-TRACCIÓN PARA TUBO PE



| DN | Ø mm. | H mm. | D mm. | COD. | € |
|-------|-------|-------|-------|----------|--------|
| 50/65 | 63 | 50 | 182 | VF750063 | 37,05 |
| 65 | 75 | 55 | 185 | VF750075 | 38,65 |
| 80 | 90 | 60 | 195 | VF750090 | 54,10 |
| 100 | 110 | 63 | 216 | VF750110 | 59,50 |
| 125 | 125 | 70 | 253 | VF750125 | 72,35 |
| 125 | 140 | 78 | 253 | VF750140 | 86,85 |
| 150 | 160 | 78 | 280 | VF750160 | 106,20 |
| 200 | 200 | 88 | 336 | VF750200 | 148,00 |

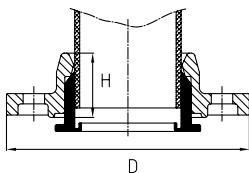
Bridas: PN 10/16

CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición nodular GGG 50 (EN-GJS-500-7) con recubrimiento "EPOXY" 250 µm.
Juntas en EPDM.
Anillo de presión de latón.

760

BRIDA DOBLE CÁMARA PARA TUBO PVC



| DN | Ø mm. | H mm. | D mm. | COD. | € |
|-------|-------|-------|-------|----------|--------|
| 50/65 | 63 | 50 | 182 | VF760063 | 27,35 |
| 65 | 75 | 55 | 185 | VF760075 | 28,90 |
| 80 | 90 | 60 | 195 | VF760090 | 38,65 |
| 100 | 110 | 63 | 216 | VF760110 | 41,35 |
| 125 | 125 | 70 | 253 | VF760125 | 52,90 |
| 125 | 140 | 78 | 253 | VF760140 | 54,75 |
| 150 | 160 | 78 | 280 | VF760160 | 67,55 |
| 200 | 200 | 88 | 336 | VF760200 | 102,95 |

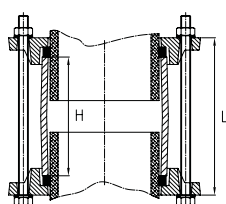
Bridas: PN 10/16

CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición nodular GGG 50 (EN-GJS-500-7) con recubrimiento "EPOXY" 250 µm.
Juntas en EPDM.

710/D

UNIÓN GIBALT PARA TUBERÍA DE PVC



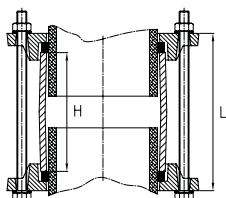
| Ø mm. | TORNILLO | | H mm. | L mm. | COD. | € |
|-------|----------|----|-------|-------|----------|--------|
| | MÉTRICA | Nº | | | | |
| 63 | M12 | 2 | 125 | 164 | VF71D063 | 26,50 |
| 75 | M12 | 2 | 125 | 164 | VF71D075 | 32,90 |
| 90 | M12 | 3 | 125 | 164 | VF71D090 | 39,40 |
| 110 | M12 | 3 | 145 | 184 | VF71D110 | 48,20 |
| 125 | M12 | 3 | 145 | 184 | VF71D125 | 57,90 |
| 140 | M12 | 4 | 145 | 184 | VF71D140 | 76,00 |
| 160 | M12 | 4 | 180 | 219 | VF71D160 | 94,05 |
| 180 | M12 | 4 | 180 | 219 | VF71D180 | 105,40 |
| 200 | M12 | 6 | 180 | 219 | VF71D200 | 121,80 |
| 250 | M12 | 6 | 180 | 220 | VF71D250 | 180,50 |
| 315 | M12 | 6 | 180 | 220 | VF71D315 | 222,85 |

CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición nodular GGG 50 (EN-GJS-500-7) con recubrimiento de "EPOXY" 250 µm.
Junta en EPDM.
Tornillería de acero zincado.

710

UNIÓN GIBALT PARA TUBERÍA DE PVC



| Ø mm. | TORNILLO | | H mm. | L mm. | COD. | € |
|-------|----------|----|-------|-------|----------|--------|
| | MÉTRICA | Nº | | | | |
| 50 | M10 | 2 | 70 | 96 | VF710050 | 10,95 |
| 63 | M10 | 2 | 100 | 139 | VF710063 | 13,50 |
| 75 | M10 | 2 | 100 | 135 | VF710075 | 16,05 |
| 90 | M10 | 2 | 110 | 140 | VF710090 | 18,05 |
| 110 | M10 | 3 | 120 | 150 | VF710110 | 27,35 |
| 125 | M12 | 3 | 120 | 157 | VF710125 | 31,15 |
| 140 | M12 | 3 | 120 | 157 | VF710140 | 34,10 |
| 160 | M12 | 3 | 140 | 176 | VF710160 | 41,15 |
| 180 | M12 | 3 | 140 | 181 | VF710180 | 58,90 |
| 200 | M12 | 3 | 140 | 176 | VF710200 | 67,85 |
| 250 | M14 | 4 | 160 | 204 | VF710250 | 102,95 |
| 315 | M14 | 4 | 160 | 204 | VF710315 | 138,35 |
| 400 | M14 | 6 | 160 | 208 | VF710400 | 176,95 |
| 500 | M14 | 6 | 160 | 216 | VF710500 | 241,35 |

CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición Gris GG 25 (EN-GJL-250) con recubrimiento de pintura negra.
Junta en EPDM.
Tornillería de acero zincado.

790

COLLARÍN DE TOMA PARA TUBERÍA DE PVC



CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición Gris GG 25 (EN-GJL-250) con recubrimiento de pintura negra.
Junta en EPDM.
Tornillería de acero zincado.

| DN | Ø | COD. | € |
|-----|--------|----------|-------|
| 40 | 3/4" | VF790404 | 6,95 |
| | 1" | VF790405 | 6,95 |
| 50 | 3/4" | VF790504 | 8,55 |
| | 1" | VF790505 | 8,55 |
| 63 | 3/4" | VF790634 | 10,20 |
| | 1" | VF790635 | 10,20 |
| | 1 1/4" | VF790636 | 10,20 |
| 75 | 3/4" | VF790754 | 10,10 |
| | 1" | VF790755 | 10,10 |
| | 1 1/4" | VF790756 | 10,10 |
| 90 | 3/4" | VF790904 | 12,10 |
| | 1" | VF790905 | 12,40 |
| | 1 1/4" | VF790906 | 12,40 |
| | 1 1/2" | VF790907 | 18,35 |
| | 2" | VF790908 | 19,00 |
| 110 | 3/4" | VF791104 | 16,90 |
| | 1" | VF791105 | 16,90 |
| | 1 1/4" | VF791106 | 16,90 |
| | 1 1/2" | VF791107 | 20,15 |
| | 2" | VF791108 | 20,40 |
| | 2 1/2" | VF79110A | 24,80 |
| 125 | 3/4" | VF791254 | 20,80 |
| | 1" | VF791255 | 20,80 |
| | 1 1/4" | VF791256 | 21,60 |
| | 1 1/2" | VF791257 | 23,25 |
| | 2" | VF791258 | 23,45 |

| DN | Ø | COD. | € |
|-----|--------|----------|-------|
| 125 | 2 1/2" | VF79125A | 28,80 |
| | 3" | VF79125B | 29,20 |
| 140 | 1" | VF791405 | 23,00 |
| | 1 1/4" | VF791406 | 23,65 |
| | 1 1/2" | VF791407 | 24,50 |
| | 2" | VF791408 | 25,75 |
| | 2 1/2" | VF79140A | 29,75 |
| | 3" | VF79140B | 30,75 |
| 160 | 1" | VF791605 | 27,10 |
| | 1 1/4" | VF791606 | 28,25 |
| | 1 1/2" | VF791607 | 28,85 |
| | 2" | VF791608 | 29,55 |
| | 2 1/2" | VF79160A | 31,95 |
| | 3" | VF79160B | 32,45 |
| 200 | 1" | VF792005 | 35,60 |
| | 1 1/4" | VF792006 | 36,05 |
| | 1 1/2" | VF792007 | 36,40 |
| | 2" | VF792008 | 37,45 |
| | 2 1/2" | VF79200A | 42,60 |
| | 3" | VF79200B | 42,90 |
| 250 | 2" | VF792508 | 56,85 |
| | 2 1/2" | VF79250A | 57,45 |
| | 3" | VF79250B | 58,10 |
| 315 | 2" | VF793158 | 67,55 |
| | 2 1/2" | VF79315A | 68,20 |
| | 3" | VF79315B | 68,95 |

790/I

COLLARÍN DE TOMA CON TORNILLOS INOX. PARA TUBERÍA DE PVC



CARACTERÍSTICAS TÉCNICAS

Fabricados en fundición Gris GG 25 (EN-GJL-250) con recubrimiento de pintura negra.
Junta en EPDM.
Tornillería de acero inoxidable A2.

| DN | Ø | COD. | € |
|-----|------|----------|-------|
| 50 | 3/4" | VF7I0504 | 9,55 |
| | 1" | VF7I0505 | 9,55 |
| 63 | 3/4" | VF7I0634 | 12,20 |
| | 1" | VF7I0635 | 12,20 |
| 75 | 3/4" | VF7I0754 | 11,85 |
| | 1" | VF7I0755 | 11,85 |
| 90 | 3/4" | VF7I0904 | 13,80 |
| | 1" | VF7I0905 | 14,15 |
| 110 | 3/4" | VF7I1104 | 19,05 |
| | 1" | VF7I1105 | 19,05 |
| 125 | 3/4" | VF7I1254 | 22,00 |
| | 1" | VF7I1255 | 22,00 |
| 140 | 1" | VF7I1405 | 23,45 |
| 160 | 1" | VF7I1605 | 26,70 |

ABRAZADERAS DE REPARACIÓN

UNA BANDA (UN CIERRE)

Longitud 200 mm., 2 pernos M 14



| LONGITUD mm. | TOLERANCIA mm. | MAX. PRESIÓN bar | COD. | € |
|--------------|----------------|------------------|----------|--------|
| 200 | 48-55 | 16 | VF812048 | 80,00 |
| 200 | 52-59 | 16 | VF812052 | 81,35 |
| 200 | 60-67 | 16 | VF812060 | 84,45 |
| 200 | 67-74 | 16 | VF812067 | 87,40 |
| 200 | 73-80 | 16 | VF812073 | 92,60 |
| 200 | 82-90 | 16 | VF812082 | 95,40 |
| 200 | 87-95 | 16 | VF812087 | 98,75 |
| 200 | 95-105 | 16 | VF812095 | 101,45 |
| 200 | 108-118 | 16 | VF812108 | 107,20 |
| 200 | 118-128 | 16 | VF812118 | 112,45 |
| 200 | 135-145 | 16 | VF812135 | 118,80 |
| 200 | 145-155 | 16 | VF812145 | 125,20 |
| 200 | 151-161 | 16 | VF812151 | 131,05 |
| 200 | 165-175 | 16 | VF812165 | 134,70 |
| 200 | 176-186 | 16 | VF812176 | 142,00 |
| 200 | 193-203 | 16 | VF812193 | 149,90 |
| 200 | 200-212 | 10 | VF812200 | 155,55 |
| 200 | 219-229 | 10 | VF812219 | 162,10 |

Para reparar tubos de acero, fundición, fibrocemento, PE y PVC (sólo agua).

Fabricados completamente en acero inoxidable AISI 304.

Junta de EPDM con forma de cuadrícula.

Temperatura máxima de utilización: 120° C.

DOS BANDAS (DOS CIERRES)

Longitud 300 mm., 3 pernos M 16

Longitud 400 mm., 4 pernos M 16



| LONGITUD mm. | TOLERANCIA mm. | MAX. PRESIÓN bar | COD. | € |
|--------------|----------------|------------------|----------|--------|
| 300 | 108-128 | 16 | VF823108 | 217,90 |
| 300 | 135-155 | 16 | VF823135 | 229,10 |
| 300 | 159-180 | 16 | VF823159 | 238,80 |
| 300 | 190-210 | 16 | VF823190 | 290,20 |
| 300 | 210-230 | 10 | VF823210 | 305,25 |
| 300 | 225-246 | 10 | VF823225 | 312,85 |
| 300 | 240-260 | 10 | VF823240 | 324,85 |
| 300 | 269-289 | 10 | VF823269 | 380,25 |
| 300 | 282-302 | 10 | VF823282 | 433,90 |
| 300 | 295-315 | 10 | VF823295 | 445,10 |
| 400 | 322-344 | 6 | VF824322 | 593,80 |
| 400 | 347-367 | 6 | VF824347 | 618,00 |
| 400 | 365-385 | 6 | VF824365 | 643,45 |
| 400 | 395-415 | 6 | VF824395 | 678,35 |
| 400 | 420-440 | 6 | VF824420 | 704,60 |



507 VOLANTE para Ref. 500

| DN | COD. | € |
|--------------|----------|--------|
| 40 - 50 - 65 | VF507050 | 15,00 |
| 80 | VF507080 | 20,00 |
| 100 | VF507100 | 20,00 |
| 125 - 150 | VF507125 | 27,65 |
| 200 | VF507200 | 27,65 |
| 250 - 300 | VF507250 | 37,55 |
| 350 - 400 | VF507350 | 63,45 |
| 500 | VF507500 | 166,00 |



515 TAMIZ para Ref. 510

| DN | COD. | € |
|-----|----------|--------|
| 40 | VF515040 | 12,20 |
| 50 | VF515050 | 15,30 |
| 65 | VF515065 | 23,00 |
| 80 | VF515080 | 24,55 |
| 100 | VF515100 | 34,70 |
| 125 | VF515125 | 50,00 |
| 150 | VF515150 | 71,95 |
| 200 | VF515200 | 123,65 |
| 250 | VF515250 | 174,00 |
| 300 | VF515300 | 203,95 |
| 350 | VF515350 | 349,00 |
| 400 | VF515400 | 432,05 |



516 JUNTA para Ref. 510

| DN | COD. | € |
|-----|----------|-------|
| 40 | VF516040 | 2,65 |
| 50 | VF516050 | 3,50 |
| 65 | VF516065 | 3,50 |
| 80 | VF516080 | 3,50 |
| 100 | VF516100 | 5,30 |
| 125 | VF516125 | 5,30 |
| 150 | VF516150 | 5,35 |
| 200 | VF516200 | 14,10 |
| 250 | VF516250 | 16,35 |
| 300 | VF516300 | 19,80 |
| 350 | VF516350 | 23,65 |
| 400 | VF516400 | 26,05 |



517 TAPON para Ref. 510

| DN | COD. | € |
|---------------------------------------|----------|------|
| 40 - 50 - 65 80 - 100 125 - 150 | VF517040 | 3,15 |
| 200 - 250 - 300 | VF517200 | 4,75 |
| 350 - 400 - 500 | VF517350 | 9,25 |



506 COMPUERTA para Ref. 500

| DN | COD. | € |
|-----|----------|--------|
| 40 | VF506040 | 8,65 |
| 50 | VF506050 | 11,45 |
| 65 | VF506065 | 15,05 |
| 80 | VF506080 | 21,60 |
| 100 | VF506100 | 31,15 |
| 125 | VF506125 | 38,05 |
| 150 | VF506150 | 52,35 |
| 200 | VF506200 | 98,35 |
| 250 | VF506250 | 149,10 |
| 300 | VF506300 | 193,50 |
| 350 | VF506350 | 365,00 |
| 400 | VF506400 | 450,00 |
| 500 | VF506500 | 824,85 |



558 BOLA para Ref. 550 y 555

| DN | COD. | € |
|-------------|----------|--------|
| 1" - 1 1/4" | VF558006 | 18,55 |
| 1 1/2" - 40 | VF558007 | 29,65 |
| 2" - 50 | VF558050 | 37,35 |
| 2 1/2" - 65 | VF558065 | 44,85 |
| 3" - 80 | VF558080 | 59,00 |
| 100 | VF558100 | 80,85 |
| 125 | VF558125 | 132,95 |
| 150 | VF558150 | 160,65 |
| 200 | VF558200 | 336,80 |
| 250 | VF558250 | 400,55 |
| 300 | VF558300 | 715,85 |



559 JUNTA para Ref. 550 y 555

| DN | COD. | € |
|-------------|----------|-------|
| 1" - 1 1/4" | VF559006 | 1,10 |
| 1 1/2" | VF559007 | 1,40 |
| 2" | VF559008 | 1,55 |
| 2 1/2" | VF55900A | 1,55 |
| 3" | VF55900B | 2,25 |
| 40 | VF559040 | 1,10 |
| 50 | VF559050 | 1,55 |
| 65 | VF559065 | 1,55 |
| 80 | VF559080 | 2,25 |
| 100 | VF559100 | 2,65 |
| 125 | VF559125 | 4,45 |
| 150 | VF559150 | 8,20 |
| 200 | VF559200 | 8,20 |
| 250 | VF559250 | 9,65 |
| 300 | VF559300 | 11,00 |

990 V. REDUCTOR para Ref. 901, 911, 931, 951, 961 y 971



| DN | COD. | € |
|--------------|----------|--------|
| 40 - 50 - 65 | VF990050 | 57,35 |
| 80 - 100 | VF990080 | 57,35 |
| 125 - 150 | VF990125 | 57,35 |
| 200 | VF990200 | 103,95 |
| 250 | VF990250 | 103,95 |
| 300 | VF990300 | 111,70 |
| 350 | VF990350 | 132,95 |
| 400 | VF990400 | 349,00 |
| 500 | VF990500 | 465,30 |

991 MANETA para Ref. 900, 910, 930, 950, 960 y 970



| DN | COD. | € |
|--------------|----------|-------|
| 40 - 50 - 65 | VF991050 | 11,10 |
| 80 - 100 | VF991080 | 11,10 |
| 125 - 150 | VF991125 | 17,95 |
| 200 | VF991200 | 31,00 |
| 250 - 300 | VF991250 | 41,55 |



571 MANETA para Ref. 570

| DN | COD. | € |
|---------|----------|-------|
| 15-20 | VF57P015 | 1,85 |
| 25-32 | VF57P025 | 3,80 |
| 40 | VF57P040 | 6,05 |
| 50 | VF57P050 | 7,50 |
| 65-80 | VF57P065 | 9,40 |
| 100 | VF57P100 | 11,05 |
| 125-150 | VF57P125 | 29,70 |
| 200 | VF57P200 | 47,20 |



719 JUNTA para Unión GIBALT

| DN | COD. | € |
|-----|----------|-------|
| 50 | VF71J050 | 0,60 |
| 63 | VF71J063 | 0,75 |
| 75 | VF71J075 | 0,85 |
| 90 | VF71J090 | 0,90 |
| 110 | VF71J110 | 1,30 |
| 125 | VF71J125 | 1,65 |
| 140 | VF71J140 | 1,75 |
| 160 | VF71J160 | 1,85 |
| 180 | VF71J180 | 3,70 |
| 200 | VF71J200 | 4,60 |
| 250 | VF71J250 | 6,50 |
| 315 | VF71J315 | 7,20 |
| 400 | VF71J400 | 9,45 |
| 500 | VF71J500 | 17,95 |

VÁLVULAS **ACTUADAS**

La actuación de válvulas de fundición (tipo mariposa) y válvulas de bola (acero inoxidable) supone un nuevo paso orientado a satisfacer las necesidades de nuestros clientes en el sector de la automatización.

Dentro de este campo presentamos una amplia gama de actuadores neumáticos rotatorios de cuarto de giro en sus versiones simple y doble efecto así como actuadores eléctricos multi voltaje, todo ello acompañado de los correspondientes complementos (finales de carrera, electroválvulas, posicionadores) para ser usados dentro de las condiciones especificadas en aplicaciones relacionadas con la conducción de fluidos.



VÁLVULAS **ACTUADAS**

AUTOMATIZACIÓN DE VÁLVULAS

Dado que muchas aplicaciones actuales están basadas en un alto grado de automatización y control, presentamos aquí la automatización de válvulas de fundición (mariposa) e inoxidable (bola) mediante actuadores rotativos neumáticos y eléctricos. Dichos actuadores van a posicionar las válvulas en conformidad con órdenes de maniobra a cuyo cumplimiento, una vez alcanzada la posición deseada, éstos se desactivan y pueden señalar su estado al sistema de mando mediante sensores.

ACTUADORES NEUMÁTICOS ROTATIVOS DE SIMPLE (SE) Y DOBLE (DE) EFECTO

Transforman la energía del aire comprimido en energía mecánica de rotación limitada a un giro de un cuarto de vuelta (0°- 90°) mediante el sistema cremallera-piñón.

Características principales:

Suministro de pares (aire 6 bar) desde 12 hasta 3120 Nm, extensible hasta 10857 Nm.

Diseñados para posible cambio de configuración de SE a DE y viceversa.

Ajuste recorrido angular de los pistones ($\pm 5^\circ$) en apertura y cierre.

Protección anticorrosiva con anodizado duro aplicado sobre carcasa de aluminio extruido.

Protección ingreso IP67.

Eje no eyectable.

Pistones en aluminio inyectado, anodizados y mecanizados para prolongar la vida del actuador.

Tapas de aluminio inyectado protegido con epoxy.

Piñón en acero al carbono niquelado.

Tornillos en acero inoxidable AISI 304.

Centraje de la válvula según ISO 5211/DIN 3337.

Montaje directo electroválvula NAMUR y montaje accesorios NAMUR VDI/VDE 3845.

Homologación ATEX según Directiva 2014/34/UE.

Configuración suministrada por defecto:

Simple efecto : el actuador se suministra para rotación en sentido horario en el modo de fallo de aire, esto es, la válvula quedará en posición de cerrado (NC)

- es necesario aplicar presión de aire para abrir (comprimir los muelles, giro anti horario).

- sin presión de aire el actuador retorna a la posición inicial (NC, válvula cerrada) debido a la descompresión de los muelles.

Doble efecto : el actuador se suministra para rotación en sentido anti-horario cuando se aplica presión (es necesario aire comprimido tanto para abrir como para cerrar). Bajo requerimiento puede invertirse el sentido de giro de los pistones.



ACTUADORES ELÉCTRICOS

Transforman la energía eléctrica en energía mecánica de rotación reversible limitada a un giro de un cuarto de vuelta (0° - 90°) mediante un motor brushless y un reductor que transmite el par necesario disponiendo de serie de accionamiento manual de emergencia a través del volante incorporado. El actuador, además de numerosas funciones estándar incorpora siempre dos finales de carrera para la señalización de la maniobra. Como opción disponible puede comunicarse con el exterior (protocolo MODBUS o vía BLUETOOTH, WIFI).

Características principales:

Suministro de pares desde 20 hasta 350 Nm.

Conector para alimentación multivoltaje y para contactos auxiliares.

Regulación funcionamiento automático o manual con mando manual de emergencia.

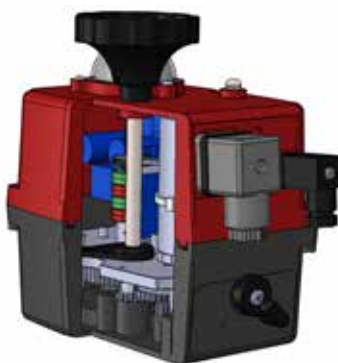
Indicadores visuales de operación y de posición

Limitador electrónico de par.

Control automático de temperatura interna.

Interruptores final de carrera (micros stop motor y confirmación).

Protección ingreso IP67 s/IEC 60529.



CONDICIONES DE TRABAJO (ACTUADORES NEUMÁTICOS Y ELÉCTRICOS)

El par de arranque y de maniobra bajo condiciones de operación puede variar dependiendo de las condiciones del fluido. Para evitar fallos operativos en el accionamiento de la válvula deben respetarse los siguientes condicionantes:

Actuadores neumáticos.

- Alimentación con aire comprimido filtrado, seco o lubricado.
- Presión de suministro de aire: mínimo 6 bar.
- Temperatura de trabajo: -20° C a +80° C, para otras temperaturas consultar.

Actuadores eléctricos.

- Bajo voltaje (tipo B), 12 VDC/VAC 50/60 Hz -0/+5%.
- Alto voltaje (tipo S), 24 a 240VAC 50/60 Hz y 24-125VDC -0/+5%.
- Temperatura de trabajo: -20° C a +70° C.
- Tiempo de maniobra sin carga: 10 a 48 segundos (90°C), para tiempos de maniobras especiales consultar.
- Tiempo bajo tensión: 75%.

Para otros voltajes se ruega consultar.

Actuadores neumáticos y eléctricos.

Tipo de fluidos a conducir (*):

- fluidos líquidos limpios no incrustantes ni agresivos exentos de contaminantes que puedan modificar la fricción (por resecamiento u otras causas) del sistema de apertura-cierre de la válvula.
- velocidad del fluido estable.
- ciclo de operación mensual mínimo definido.

(*) para cualquier otro tipo de fluido, ya sea líquido o gaseoso, debe realizarse consulta previa antes del pedido.

DISPOSITIVOS OPCIONALES (ACTUADORES NEUMÁTICOS Y ELÉCTRICOS)

En el apartado de COMPLEMENTOS pueden verse los dispositivos normales disponibles. Para cualquier otro tipo no especificado se ruega consulta.

A 900

VÁLVULA ACTUADA DE MARIPOSA TIPO WAFER

VÁLVULA

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)

Disco: Acero Inoxidable AISI 316 (CF8M)

Elastómero: EPDM

Presión de trabajo: PN 16

Temperatura: -10° C a 120° C

Adecuada para bridas PN 10 y PN 16

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).

Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



ACTUADOR NEUMÁTICO

| SIMPLE EFECTO | | | DOBLE EFECTO | | |
|---------------|----------|----------|--------------|----------|----------|
| DN | COD. | € | DN | COD. | € |
| 32 | AS900032 | 203,05 | 32 | AD900032 | 187,05 |
| 40 | AS900040 | 203,05 | 40 | AD900040 | 187,05 |
| 50 | AS900050 | 236,15 | 50 | AD900050 | 187,45 |
| 65 | AS900065 | 279,80 | 65 | AD900065 | 195,20 |
| 80 | AS900080 | 336,70 | 80 | AD900080 | 244,55 |
| 100 | AS900100 | 396,25 | 100 | AD900100 | 293,55 |
| 125 | AS900125 | 472,05 | 125 | AD900125 | 339,40 |
| 150 | AS900150 | 640,10 | 150 | AD900150 | 398,90 |
| 200 | AS900200 | 981,30 | 200 | AD900200 | 526,75 |
| 250 | AS900250 | 1.409,75 | 250 | AD900250 | 765,85 |
| 300 | AS900300 | 2.374,05 | 300 | AD900300 | 1.182,60 |
| 350 | AS900350 | 4.109,85 | 350 | AD900350 | 1.636,25 |
| 400 | AS900400 | 5.950,10 | 400 | AD900400 | 2.794,80 |
| 500 | AS900500 | 9.198,15 | 500 | AD900500 | 4.173,10 |

ACTUADOR ELÉCTRICO

| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
|--------------|----------|----------|--------------|----------|----------|
| DN | COD. | € | DN | COD. | € |
| 32 | AB900032 | 421,40 | 32 | AA900032 | 421,40 |
| 40 | AB900040 | 421,40 | 40 | AA900040 | 421,40 |
| 50 | AB900050 | 421,85 | 50 | AA900050 | 421,85 |
| 65 | AB900065 | 573,00 | 65 | AA900065 | 573,00 |
| 80 | AB900080 | 667,75 | 80 | AA900080 | 667,75 |
| 100 | AB900100 | 831,10 | 100 | AA900100 | 831,10 |
| 125 | AB900125 | 848,05 | 125 | AA900125 | 848,05 |
| 150 | AB900150 | 1.094,75 | 150 | AA900150 | 1.094,75 |
| 200 | AB900200 | 1.288,45 | 200 | AA900200 | 1.288,45 |
| 250 | AB900250 | 1.405,95 | 250 | AA900250 | 1.405,95 |

A 910 VÁLVULA ACTUADA DE MARIPOSA TIPO WAFER

VÁLVULA

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)

Disco: Fundición Nodular GGG40 (EN-GJS-400-15) Niquelado

Elastómero: EPDM

Presión de trabajo: PN 16

Temperatura: -10° C a 120° C

Adecuada para bridas PN 10 y PN 16

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AS910032 | 198,00 | 32 | AD910032 | 182,00 |
| 40 | AS910040 | 198,00 | 40 | AD910040 | 182,00 |
| 50 | AS910050 | 231,10 | 50 | AD910050 | 182,30 |
| 65 | AS910065 | 272,90 | 65 | AD910065 | 188,30 |
| 80 | AS910080 | 327,40 | 80 | AD910080 | 235,20 |
| 100 | AS910100 | 380,45 | 100 | AD910100 | 277,75 |
| 125 | AS910125 | 445,00 | 125 | AD910125 | 312,35 |
| 150 | AS910150 | 603,25 | 150 | AD910150 | 362,10 |
| 200 | AS910200 | 902,80 | 200 | AD910200 | 448,20 |
| 250 | AS910250 | 1.253,15 | 250 | AD910250 | 609,25 |
| 300 | AS910300 | 2.111,35 | 300 | AD910300 | 919,95 |
| 350 | AS910350 | 3.755,25 | 350 | AD910350 | 1.281,70 |
| 400 | AS910400 | 5.419,45 | 400 | AD910400 | 2.264,15 |
| 500 | AS910500 | 8.181,20 | 500 | AD910500 | 3.156,15 |

| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AB910032 | 416,35 | 32 | AA910032 | 416,35 |
| 40 | AB910040 | 416,35 | 40 | AA910040 | 416,35 |
| 50 | AB910050 | 416,70 | 50 | AA910050 | 416,70 |
| 65 | AB910065 | 566,10 | 65 | AA910065 | 566,10 |
| 80 | AB910080 | 658,45 | 80 | AA910080 | 658,45 |
| 100 | AB910100 | 815,30 | 100 | AA910100 | 815,30 |
| 125 | AB910125 | 820,95 | 125 | AA910125 | 820,95 |
| 150 | AB910150 | 1.057,95 | 150 | AA910150 | 1.057,95 |
| 200 | AB910200 | 1.209,95 | 200 | AA910200 | 1.209,95 |
| 250 | AB910250 | 1.249,25 | 250 | AA910250 | 1.249,25 |

A 930

VÁLVULA ACTUADA DE MARIPOSA TIPO WAFER

VÁLVULA

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)

Disco: Acero Inoxidable AISI 316 (CF8M)

Elastómero: NBR

Presión de trabajo: PN 16

Temperatura: -10° C a 80° C

Adecuada para bridas PN 10 y PN 16

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).

Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AS930032 | 203,05 | 32 | AD930032 | 187,05 |
| 40 | AS930040 | 203,05 | 40 | AD930040 | 187,05 |
| 50 | AS930050 | 236,15 | 50 | AD930050 | 187,45 |
| 65 | AS930065 | 279,80 | 65 | AD930065 | 195,20 |
| 80 | AS930080 | 336,70 | 80 | AD930080 | 244,55 |
| 100 | AS930100 | 396,25 | 100 | AD930100 | 293,55 |
| 125 | AS930125 | 472,05 | 125 | AD930125 | 339,40 |
| 150 | AS930150 | 640,10 | 150 | AD930150 | 398,90 |
| 200 | AS930200 | 981,30 | 200 | AD930200 | 526,75 |
| 250 | AS930250 | 1.409,75 | 250 | AD930250 | 765,85 |
| 300 | AS930300 | 2.374,05 | 300 | AD930300 | 1.182,60 |



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AB930032 | 421,40 | 32 | AA930032 | 421,40 |
| 40 | AB930040 | 421,40 | 40 | AA930040 | 421,40 |
| 50 | AB930050 | 421,85 | 50 | AA930050 | 421,85 |
| 65 | AB930065 | 573,00 | 65 | AA930065 | 573,00 |
| 80 | AB930080 | 667,75 | 80 | AA930080 | 667,75 |
| 100 | AB930100 | 831,10 | 100 | AA930100 | 831,10 |
| 125 | AB930125 | 848,05 | 125 | AA930125 | 848,05 |
| 150 | AB930150 | 1.094,75 | 150 | AA930150 | 1.094,75 |
| 200 | AB930200 | 1.288,45 | 200 | AA930200 | 1.288,45 |
| 250 | AB930250 | 1.405,95 | 250 | AA930250 | 1.405,95 |

A 950 VÁLVULA ACTUADA DE MARIPOSA TIPO LUG

VÁLVULA

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)

Disco: Acero Inoxidable AISI 316 (CF8M)

Elastómero: EPDM

Presión de trabajo: PN 16

Temperatura: -10° C a 120° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).

Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AS950032 | 215,80 | 32 | AD950032 | 199,80 |
| 40 | AS950040 | 215,80 | 40 | AD950040 | 199,80 |
| 50 | AS950050 | 249,65 | 50 | AD950050 | 200,85 |
| 65 | AS950065 | 293,90 | 65 | AD950065 | 209,30 |
| 80 | AS950080 | 354,50 | 80 | AD950080 | 262,35 |
| 100 | AS950100 | 427,70 | 100 | AD950100 | 325,05 |
| 125 | AS950125 | 510,95 | 125 | AD950125 | 378,30 |
| 150 | AS950150 | 693,45 | 150 | AD950150 | 452,25 |
| 200 | AS950201 | 1.060,05 | 200 | AD950201 | 605,45 |
| 200 | AS950200 | 1.060,05 | 200 | AD950200 | 605,45 |
| 250 | AS950251 | 1.505,05 | 250 | AD950251 | 861,15 |
| 250 | AS950250 | 1.505,05 | 250 | AD950250 | 861,15 |
| 300 | AS950301 | 2.529,75 | 300 | AD950301 | 1.338,35 |
| 300 | AS950300 | 2.529,75 | 300 | AD950300 | 1.338,35 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AB950032 | 434,20 | 32 | AA950032 | 434,20 |
| 40 | AB950040 | 434,20 | 40 | AA950040 | 434,20 |
| 50 | AB950050 | 435,25 | 50 | AA950050 | 435,25 |
| 65 | AB950065 | 587,10 | 65 | AA950065 | 587,10 |
| 80 | AB950080 | 685,55 | 80 | AA950080 | 685,55 |
| 100 | AB950100 | 862,60 | 100 | AA950100 | 862,60 |
| 125 | AB950125 | 886,95 | 125 | AA950125 | 886,95 |
| 150 | AB950150 | 1.148,10 | 150 | AA950150 | 1.148,10 |
| 200 | AB950201 | 1.367,20 | 200 | AA950201 | 1.367,20 |
| 200 | AB950200 | 1.367,20 | 200 | AA950200 | 1.367,20 |
| 250 | AB950251 | 1.501,25 | 250 | AA950251 | 1.501,25 |
| 250 | AB950250 | 1.501,25 | 250 | AA950250 | 1.501,25 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16

A 960

VÁLVULA ACTUADA DE MARIPOSA TIPO LUG

VÁLVULA

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)

Disco: Fundición Nodular GGG40 (EN-GJS-400-15) Niquelado

Elastómero: EPDM

Presión de trabajo: PN 16

Temperatura: -10° C a 120° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AS960032 | 209,50 | 32 | AD960032 | 193,50 |
| 40 | AS960040 | 209,50 | 40 | AD960040 | 193,50 |
| 50 | AS960050 | 242,20 | 50 | AD960050 | 193,50 |
| 65 | AS960065 | 286,50 | 65 | AD960065 | 201,95 |
| 80 | AS960080 | 344,45 | 80 | AD960080 | 252,30 |
| 100 | AS960100 | 410,75 | 100 | AD960100 | 308,10 |
| 125 | AS960125 | 480,35 | 125 | AD960125 | 347,70 |
| 150 | AS960150 | 643,45 | 150 | AD960150 | 402,25 |
| 200 | AS960201 | 970,70 | 200 | AD960201 | 516,15 |
| 200 | AS960200 | 970,70 | 200 | AD960200 | 516,15 |
| 250 | AS960251 | 1.357,05 | 250 | AD960251 | 713,15 |
| 250 | AS960250 | 1.357,05 | 250 | AD960250 | 713,15 |
| 300 | AS960301 | 2.266,10 | 300 | AD960301 | 1.074,75 |
| 300 | AS960300 | 2.266,10 | 300 | AD960300 | 1.074,75 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AB960032 | 427,85 | 32 | AA960032 | 427,85 |
| 40 | AB960040 | 427,85 | 40 | AA960040 | 427,85 |
| 50 | AB960050 | 427,85 | 50 | AA960050 | 427,85 |
| 65 | AB960065 | 579,75 | 65 | AA960065 | 579,75 |
| 80 | AB960080 | 675,55 | 80 | AA960080 | 675,55 |
| 100 | AB960100 | 845,60 | 100 | AA960100 | 845,60 |
| 125 | AB960125 | 856,35 | 125 | AA960125 | 856,35 |
| 150 | AB960150 | 1.098,15 | 150 | AA960150 | 1.098,15 |
| 200 | AB960201 | 1.277,85 | 200 | AA960201 | 1.277,85 |
| 200 | AB960200 | 1.277,85 | 200 | AA960200 | 1.277,85 |
| 250 | AB960251 | 1.353,25 | 250 | AA960251 | 1.353,25 |
| 250 | AB960250 | 1.353,25 | 250 | AA960250 | 1.353,25 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16

A 970 VÁLVULA ACTUADA DE MARIPOSA TIPO LUG

VÁLVULA

Cuerpo: Fundición Nodular GGG40 (EN-GJS-400-15)

Disco: Acero Inoxidable AISI 316 (CF8M)

Elastómero: NBR

Presión de trabajo: PN 16

Temperatura: -10° C a 80° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AS970032 | 215,80 | 32 | AD970032 | 199,80 |
| 40 | AS970040 | 215,80 | 40 | AD970040 | 199,80 |
| 50 | AS970050 | 249,65 | 50 | AD970050 | 200,85 |
| 65 | AS970065 | 293,90 | 65 | AD970065 | 209,30 |
| 80 | AS970080 | 354,50 | 80 | AD970080 | 262,35 |
| 100 | AS970100 | 427,70 | 100 | AD970100 | 325,05 |
| 125 | AS970125 | 510,95 | 125 | AD970125 | 378,30 |
| 150 | AS970150 | 693,45 | 150 | AD970150 | 452,25 |
| 200 | AS970201 | 1.060,05 | 200 | AD970201 | 605,45 |
| 200 | AS970200 | 1.060,05 | 200 | AD970200 | 605,45 |
| 250 | AS970251 | 1.505,05 | 250 | AD970251 | 861,15 |
| 250 | AS970250 | 1.505,05 | 250 | AD970250 | 861,15 |
| 300 | AS970301 | 2.529,75 | 300 | AD970301 | 1.338,35 |
| 300 | AS970300 | 2.529,75 | 300 | AD970300 | 1.338,35 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 32 | AB970032 | 434,20 | 32 | AA970032 | 434,20 |
| 40 | AB970040 | 434,20 | 40 | AA970040 | 434,20 |
| 50 | AB970050 | 435,25 | 50 | AA970050 | 435,25 |
| 65 | AB970065 | 587,10 | 65 | AA970065 | 587,10 |
| 80 | AB970080 | 685,55 | 80 | AA970080 | 685,55 |
| 100 | AB970100 | 862,60 | 100 | AA970100 | 862,60 |
| 125 | AB970125 | 886,95 | 125 | AA970125 | 886,95 |
| 150 | AB970150 | 1.148,10 | 150 | AA970150 | 1.148,10 |
| 200 | AB970201 | 1.367,20 | 200 | AA970201 | 1.367,20 |
| 200 | AB970200 | 1.367,20 | 200 | AA970200 | 1.367,20 |
| 250 | AB970251 | 1.501,25 | 250 | AA970251 | 1.501,25 |
| 250 | AB970250 | 1.501,25 | 250 | AA970250 | 1.501,25 |

Bridas: ■ PN 10 ■ PN 10/16 ■ PN 16



A 570 VÁLVULA ACTUADA DE BOLA BRIDADA

VÁLVULA

Cuerpo: Fundición Gris GG 25 (EN-GJL-250)

Bola: Acero Inoxidable AISI 304

Asiento: PTFE

Eje: Acero Inoxidable AISI 304

Presión de trabajo: PN 16

Temperatura: 0° C a 150° C



ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.

| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 15 | AS570015 | 285,40 | 15 | AD570015 | 240,90 |
| 20 | AS570020 | 291,70 | 20 | AD570020 | 247,15 |
| 25 | AS570025 | 370,95 | 25 | AD570025 | 286,30 |
| 32 | AS570032 | 424,80 | 32 | AD570032 | 328,60 |
| 40 | AS570040 | 437,95 | 40 | AD570040 | 341,75 |
| 50 | AS570050 | 497,55 | 50 | AD570050 | 379,75 |
| 65 | AS570065 | 707,50 | 65 | AD570065 | 487,70 |
| 80 | AS570080 | 760,80 | 80 | AD570080 | 540,95 |
| 100 | AS570100 | 1.114,95 | 100 | AD570100 | 688,60 |
| 125 | AS570125 | 1.620,85 | 125 | AD570125 | 1.038,80 |
| 150 | AS570150 | 2.420,80 | 150 | AD570150 | 1.427,35 |
| 200 | AS570200 | 4.269,95 | 200 | AD570200 | 2.146,80 |

Bridas: ■ PN 10/16 ■ PN 16



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 15 | AB570015 | 441,20 | 15 | AA570015 | 441,20 |
| 20 | AB570020 | 447,50 | 20 | AA570020 | 447,50 |
| 25 | AB570025 | 584,15 | 25 | AA570025 | 584,15 |
| 32 | AB570032 | 664,40 | 32 | AA570032 | 664,40 |
| 40 | AB570040 | 677,55 | 40 | AA570040 | 677,55 |
| 50 | AB570050 | 823,05 | 50 | AA570050 | 823,05 |
| 65 | AB570065 | 1.086,45 | 65 | AA570065 | 1.086,45 |
| 80 | AB570080 | 1.139,75 | 80 | AA570080 | 1.139,75 |
| 100 | AB570100 | 1.348,65 | 100 | AA570100 | 1.348,65 |
| 125 | AB570125 | 1.594,65 | 125 | AA570125 | 1.594,65 |

Bridas: ■ PN 10/16



A 90E/A 91E /A 92E VÁLVULAS INOX. ACTUADA DE MARIPOSA - ALIMENTARIO

VÁLVULA

Cuerpo y Disco: Acero Inoxidable AISI 304

Elastómero: EPDM

Rosca: DIN 11851

Presión de trabajo: PN10

Temperatura: -20°C a 130°C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



A 90E - ROSCAR / ROSCAR

| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 25 | AS90E025 | 328,60 | 25 | AD90E025 | 309,85 |
| 32 | AS90E032 | 334,05 | 32 | AD90E032 | 315,30 |
| 40 | AS90E040 | 377,45 | 40 | AD90E040 | 320,75 |
| 50 | AS90E050 | 387,65 | 50 | AD90E050 | 330,95 |
| 65 | AS90E065 | 417,85 | 65 | AD90E065 | 361,15 |
| 80 | AS90E080 | 492,10 | 80 | AD90E080 | 427,05 |
| 100 | AS90E100 | 565,25 | 100 | AD90E100 | 457,40 |

| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 25 | AB90E025 | 564,80 | 25 | AA90E025 | 564,80 |
| 32 | AB90E032 | 570,25 | 32 | AA90E032 | 570,25 |
| 40 | AB90E040 | 575,70 | 40 | AA90E040 | 575,70 |
| 50 | AB90E050 | 585,95 | 50 | AA90E050 | 585,95 |
| 65 | AB90E065 | 616,10 | 65 | AA90E065 | 616,10 |
| 80 | AB90E080 | 806,15 | 80 | AA90E080 | 806,15 |
| 100 | AB90E100 | 836,50 | 100 | AA90E100 | 836,50 |



A 91E - ROSCAR / SOLDAR

| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 25 | AS91E025 | 324,60 | 25 | AD91E025 | 305,85 |
| 32 | AS91E032 | 328,60 | 32 | AD91E032 | 309,85 |
| 40 | AS91E040 | 372,00 | 40 | AD91E040 | 315,30 |
| 50 | AS91E050 | 380,90 | 50 | AD91E050 | 324,25 |
| 65 | AS91E065 | 406,90 | 65 | AD91E065 | 350,25 |
| 80 | AS91E080 | 478,25 | 80 | AD91E080 | 413,25 |
| 100 | AS91E100 | 550,30 | 100 | AD91E100 | 442,50 |

| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 25 | AB91E025 | 560,80 | 25 | AA91E025 | 560,80 |
| 32 | AB91E032 | 564,80 | 32 | AA91E032 | 564,80 |
| 40 | AB91E040 | 570,25 | 40 | AA91E040 | 570,25 |
| 50 | AB91E050 | 579,20 | 50 | AA91E050 | 579,20 |
| 65 | AB91E065 | 605,20 | 65 | AA91E065 | 605,20 |
| 80 | AB91E080 | 792,35 | 80 | AA91E080 | 792,35 |
| 100 | AB91E100 | 821,60 | 100 | AA91E100 | 821,60 |



A 92E - SOLDAR / SOLDAR

| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| DN | COD. | € | DN | COD. | € |
| 25 | AS92E025 | 320,25 | 25 | AD92E025 | 301,50 |
| 32 | AS92E032 | 322,95 | 32 | AD92E032 | 304,20 |
| 40 | AS92E040 | 365,25 | 40 | AD92E040 | 308,55 |
| 50 | AS92E050 | 372,75 | 50 | AD92E050 | 316,05 |
| 65 | AS92E065 | 395,85 | 65 | AD92E065 | 339,15 |
| 80 | AS92E080 | 464,45 | 80 | AD92E080 | 399,40 |
| 100 | AS92E100 | 534,85 | 100 | AD92E100 | 427,05 |

| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| DN | COD. | € | DN | COD. | € |
| 25 | AB92E025 | 556,45 | 25 | AA92E025 | 556,45 |
| 32 | AB92E032 | 559,15 | 32 | AA92E032 | 559,15 |
| 40 | AB92E040 | 563,55 | 40 | AA92E040 | 563,55 |
| 50 | AB92E050 | 571,00 | 50 | AA92E050 | 571,00 |
| 65 | AB92E065 | 594,10 | 65 | AA92E065 | 594,10 |
| 80 | AB92E080 | 778,50 | 80 | AA92E080 | 778,50 |
| 100 | AB92E100 | 806,15 | 100 | AA92E100 | 806,15 |

A I2PR

VÁLVULA INOX. ACTUADA DE ESFERA 2 PIEZAS PASO TOTAL ROSCADA

VÁLVULA

Cuerpo y Tapa: CF8M (AISI 316)

Eje: AISI 304

Bola: AISI 316 con asiento PTFE+15% GF

Temperatura: -10° C a 150° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/4" | ASI2P061 | 167,60 | 1/4" | ADI2P061 | 149,70 |
| 3/8" | ASI2P062 | 167,60 | 3/8" | ADI2P062 | 149,70 |
| 1/2" | ASI2P063 | 168,80 | 1/2" | ADI2P063 | 151,00 |
| 3/4" | ASI2P064 | 172,00 | 3/4" | ADI2P064 | 155,85 |
| 1" | ASI2P065 | 214,55 | 1" | ADI2P065 | 157,20 |
| 1 1/4" | ASI2P066 | 262,55 | 1 1/4" | ADI2P066 | 203,05 |
| 1 1/2" | ASI2P067 | 316,50 | 1 1/2" | ADI2P067 | 241,55 |
| 2" | ASI2P068 | 380,90 | 2" | ADI2P068 | 265,20 |



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|--------|--------------|----------|--------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/4" | ABI2P061 | 331,10 | 1/4" | AAI2P061 | 331,10 |
| 3/8" | ABI2P062 | 331,10 | 3/8" | AAI2P062 | 331,10 |
| 1/2" | ABI2P063 | 332,30 | 1/2" | AAI2P063 | 332,30 |
| 3/4" | ABI2P064 | 392,30 | 3/4" | AAI2P064 | 392,30 |
| 1" | ABI2P065 | 398,90 | 1" | AAI2P065 | 398,90 |
| 1 1/4" | ABI2P066 | 554,25 | 1 1/4" | AAI2P066 | 554,25 |
| 1 1/2" | ABI2P067 | 562,80 | 1 1/2" | AAI2P067 | 562,80 |
| 2" | ABI2P068 | 671,10 | 2" | AAI2P068 | 671,10 |

A I3PR

VÁLVULA INOX. ACTUADA DE ESFERA 3 PIEZAS PASO TOTAL ROSCADA

VÁLVULA

Cuerpo y Tapa: CF8M (AISI 316)

Eje: AISI 304

Bola: AISI 316 con asiento PTFE+15% GF

Temperatura: -10° C a 180° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/2" | ASI3P063 | 177,85 | 1/2" | ADI3P063 | 161,80 |
| 3/4" | ASI3P064 | 183,65 | 3/4" | ADI3P064 | 167,50 |
| 1" | ASI3P065 | 230,20 | 1" | ADI3P065 | 172,80 |
| 1 1/4" | ASI3P066 | 240,55 | 1 1/4" | ADI3P066 | 219,80 |
| 1 1/2" | ASI3P067 | 306,55 | 1 1/2" | ADI3P067 | 232,80 |
| 2" | ASI3P068 | 375,55 | 2" | ADI3P068 | 256,40 |
| 2 1/2" | ASI3P069 | 520,00 | 2 1/2" | ADI3P069 | 477,00 |
| 3" | ASI3P06A | 645,60 | 3" | ADI3P06A | 640,00 |
| 4" | ASI3P06C | 1.382,50 | 4" | ADI3P06C | 917,15 |



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/2" | ABI3P063 | 340,00 | 1/2" | AAI3P063 | 340,00 |
| 3/4" | ABI3P064 | 403,45 | 3/4" | AAI3P064 | 403,45 |
| 1" | ABI3P065 | 412,10 | 1" | AAI3P065 | 412,10 |
| 1 1/4" | ABI3P066 | 571,80 | 1 1/4" | AAI3P066 | 571,80 |
| 1 1/2" | ABI3P067 | 582,25 | 1 1/2" | AAI3P067 | 582,25 |
| 2" | ABI3P068 | 706,00 | 2" | AAI3P068 | 706,00 |
| 2 1/2" | ABI3P069 | 813,10 | 2 1/2" | AAI3P069 | 813,10 |
| 3" | ABI3P06A | 1.057,35 | 3" | AAI3P06A | 1.057,35 |
| 4" | ABI3P06C | 1.575,45 | 4" | AAI3P06C | 1.575,45 |

A I3PB

VÁLVULA INOX. ACTUADA DE ESFERA 3 PIEZAS PASO TOTAL BUTT WELD

VÁLVULA

Cuerpo y Tapa: CF8M (AISI 316)

Eje: AISI 316

Bola: AISI 316 con asiento PTFE+15% GF

Temperatura: -20° C a 180° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/2" | ASI3PB63 | 177,85 | 1/2" | ADI3PB63 | 161,80 |
| 3/4" | ASI3PB64 | 183,65 | 3/4" | ADI3PB64 | 167,50 |
| 1" | ASI3PB65 | 230,20 | 1" | ADI3PB65 | 172,80 |
| 1 1/4" | ASI3PB66 | 240,55 | 1 1/4" | ADI3PB66 | 219,80 |
| 1 1/2" | ASI3PB67 | 306,55 | 1 1/2" | ADI3PB67 | 232,80 |
| 2" | ASI3PB68 | 375,55 | 2" | ADI3PB68 | 256,40 |
| 2 1/2" | ASI3PB69 | 520,00 | 2 1/2" | ADI3PB69 | 477,00 |
| 3" | ASI3PB6A | 645,60 | 3" | ADI3PB6A | 640,00 |
| 4" | ASI3PB6C | 1.382,50 | 4" | ADI3PB6C | 917,15 |



| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/2" | ABI3PB63 | 340,00 | 1/2" | AAI3PB63 | 340,00 |
| 3/4" | ABI3PB64 | 403,45 | 3/4" | AAI3PB64 | 403,45 |
| 1" | ABI3PB65 | 412,10 | 1" | AAI3PB65 | 412,10 |
| 1 1/4" | ABI3PB66 | 571,80 | 1 1/4" | AAI3PB66 | 571,80 |
| 1 1/2" | ABI3PB67 | 582,25 | 1 1/2" | AAI3PB67 | 582,25 |
| 2" | ABI3PB68 | 706,00 | 2" | AAI3PB68 | 706,00 |
| 2 1/2" | ABI3PB69 | 813,10 | 2 1/2" | AAI3PB69 | 813,10 |
| 3" | ABI3PB6A | 1.057,35 | 3" | AAI3PB6A | 1.057,35 |
| 4" | ABI3PB6C | 1.575,45 | 4" | AAI3PB6C | 1.575,45 |

A I3PS

VÁLVULA INOX. ACTUADA DE ESFERA 3 PIEZAS PASO TOTAL SOCKET WELD

VÁLVULA

Cuerpo y Tapa: CF8M (AISI 316)

Eje: AISI 304

Bola: AISI 316 con asiento PTFE+15% GF

Temperatura: -20° C a 180° C



ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | |
|--------------------|----------|----------|--------------|----------|--------|
| SIMPLE EFECTO | | | DOBLE EFECTO | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/2" | ASI3PS63 | 177,85 | 1/2" | ADI3PS63 | 161,80 |
| 3/4" | ASI3PS64 | 183,65 | 3/4" | ADI3PS64 | 167,50 |
| 1" | ASI3PS65 | 230,20 | 1" | ADI3PS65 | 172,80 |
| 1 1/4" | ASI3PS66 | 240,55 | 1 1/4" | ADI3PS66 | 219,80 |
| 1 1/2" | ASI3PS67 | 306,55 | 1 1/2" | ADI3PS67 | 232,80 |
| 2" | ASI3PS68 | 375,55 | 2" | ADI3PS68 | 256,40 |
| 2 1/2" | ASI3PS69 | 520,00 | 2 1/2" | ADI3PS69 | 477,00 |
| 3" | ASI3PS6A | 645,60 | 3" | ADI3PS6A | 640,00 |
| 4" | ASI3PS6C | 1.382,50 | 4" | ADI3PS6C | 917,15 |

| ACTUADOR ELÉCTRICO | | | | | |
|--------------------|----------|----------|--------------|----------|----------|
| BAJO VOLTAJE | | | ALTO VOLTAJE | | |
| Ø | COD. | € | Ø | COD. | € |
| 1/2" | ABI3PS63 | 340,00 | 1/2" | AAI3PS63 | 340,00 |
| 3/4" | ABI3PS64 | 403,45 | 3/4" | AAI3PS64 | 403,45 |
| 1" | ABI3PS65 | 412,10 | 1" | AAI3PS65 | 412,10 |
| 1 1/4" | ABI3PS66 | 571,80 | 1 1/4" | AAI3PS66 | 571,80 |
| 1 1/2" | ABI3PS67 | 582,25 | 1 1/2" | AAI3PS67 | 582,25 |
| 2" | ABI3PS68 | 706,00 | 2" | AAI3PS68 | 706,00 |
| 2 1/2" | ABI3PS69 | 813,10 | 2 1/2" | AAI3PS69 | 813,10 |
| 3" | ABI3PS6A | 1.057,35 | 3" | AAI3PS6A | 1.057,35 |
| 4" | ABI3PS6C | 1.575,45 | 4" | AAI3PS6C | 1.575,45 |

A I3VT/I3VL

VÁLVULA INOX. ACTUADA DE ESFERA 3 PIEZAS PASO TIPO "T" / "L"
VÁLVULA
Cuerpo: CF8M (AISI 316)

Tuerca, Prensa y Eje: AISI 316

Bola: AISI 316 con asiento PTFE+15% GF

Temperatura: -20° C a 180° C

ACTUADOR NEUMÁTICO

 Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
 Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.


ACTUADOR NEUMÁTICO

| SIMPLE EFECTO | | | | DOBLE EFECTO | | | |
|---------------|----------|----------|--------|--------------|----------|----------|--------|
| Ø | COD. T | COD. L | € | Ø | COD. T | COD. L | € |
| 1/4" | ASI3VT61 | ASI3VL61 | 200,00 | 1/4" | ADI3VT61 | ADI3VL61 | 183,90 |
| 3/8" | ASI3VT62 | ASI3VL62 | 200,25 | 3/8" | ADI3VT62 | ADI3VL62 | 184,15 |
| 1/2" | ASI3VT63 | ASI3VL63 | 200,95 | 1/2" | ADI3VT63 | ADI3VL63 | 184,85 |
| 3/4" | ASI3VT64 | ASI3VL64 | 235,75 | 3/4" | ADI3VT64 | ADI3VL64 | 187,10 |
| 1" | ASI3VT65 | ASI3VL65 | 256,95 | 1" | ADI3VT65 | ADI3VL65 | 229,20 |
| 1 1/4" | ASI3VT66 | ASI3VL66 | 370,55 | 1 1/4" | ADI3VT66 | ADI3VL66 | 280,00 |
| 1 1/2" | ASI3VT67 | ASI3VL67 | 393,60 | 1 1/2" | ADI3VT67 | ADI3VL67 | 345,00 |
| 2" | ASI3VT68 | ASI3VL68 | 549,45 | 2" | ADI3VT68 | ADI3VL68 | 485,00 |


ACTUADOR ELÉCTRICO

| BAJO VOLTAJE | | | | ALTO VOLTAJE | | | |
|--------------|----------|----------|--------|--------------|----------|----------|--------|
| Ø | COD. T | COD. L | € | Ø | COD. T | COD. L | € |
| 1/4" | ABI3VT61 | ABI3VL61 | 415,75 | 1/4" | AAI3VT61 | AAI3VL61 | 415,75 |
| 3/8" | ABI3VT62 | ABI3VL62 | 416,00 | 3/8" | AAI3VT62 | AAI3VL62 | 416,00 |
| 1/2" | ABI3VT63 | ABI3VL63 | 416,70 | 1/2" | AAI3VT63 | AAI3VL63 | 416,70 |
| 3/4" | ABI3VT64 | ABI3VL64 | 419,00 | 3/4" | AAI3VT64 | AAI3VL64 | 419,00 |
| 1" | ABI3VT65 | ABI3VL65 | 441,25 | 1" | AAI3VT65 | AAI3VL65 | 441,25 |
| 1 1/4" | ABI3VT66 | ABI3VL66 | 622,70 | 1 1/4" | AAI3VT66 | AAI3VL66 | 622,70 |
| 1 1/2" | ABI3VT67 | ABI3VL67 | 724,45 | 1 1/2" | AAI3VT67 | AAI3VL67 | 724,45 |
| 2" | ABI3VT68 | ABI3VL68 | 931,85 | 2" | AAI3VT68 | AAI3VL68 | 931,85 |

A I2PB VÁLVULA INOX. ACTUADA DE ESFERA 2 PIEZAS PASO TOTAL BRIDADA

VÁLVULA

Cuerpo: ASTM 351 (CF8M)

Eje y Bola: ASTM A276 (316)

Asientos (bola y cuerpo): PTFE+15% GF

Temperatura: -30° C a 150° C

ACTUADOR NEUMÁTICO

Cálculo base con alimentación 6 bar (rango trabajo 2 a 8 bar).
Temperatura -20° C a 80° C.

ACTUADOR ELÉCTRICO

Motor multivoltaje.

Temperatura -20° C a 70° C.



| ACTUADOR NEUMÁTICO | | | | | | | |
|--------------------|-----|----------|----------|--------------|-----|----------|----------|
| SIMPLE EFECTO | | | | DOBLE EFECTO | | | |
| Ø | DN | COD. | € | Ø | DN | COD. | € |
| 1/2" | 15 | ASI2B015 | 235,00 | 1/2" | 15 | ADI2B015 | 227,00 |
| 3/4" | 20 | ASI2B020 | 294,20 | 3/4" | 20 | ADI2B020 | 267,00 |
| 1" | 25 | ASI2B025 | 302,00 | 1" | 25 | ADI2B025 | 302,00 |
| 1 1/4" | 32 | ASI2B032 | 425,40 | 1 1/4" | 32 | ADI2B032 | 380,00 |
| 1 1/2" | 40 | ASI2B040 | 467,45 | 1 1/2" | 40 | ADI2B040 | 425,00 |
| 2" | 50 | ASI2B050 | 555,50 | 2" | 50 | ADI2B050 | 505,50 |
| 2 1/2" | 65 | ASI2B065 | 789,60 | 2 1/2" | 65 | ADI2B065 | 707,25 |
| 3" | 80 | ASI2B080 | 1.146,10 | 3" | 80 | ADI2B080 | 1.070,00 |
| 4" | 100 | ASI2B100 | 1.629,15 | 4" | 100 | ADI2B100 | 1.595,40 |
| 5" | 125 | ASI2B125 | 2.608,45 | 5" | 125 | ADI2B125 | 2.675,95 |
| 6" | 150 | ASI2B150 | 3.586,65 | 6" | 150 | ADI2B150 | 3.661,55 |



| ACTUADOR ELÉCTRICO | | | | | | | |
|--------------------|-----|----------|----------|--------------|-----|----------|----------|
| BAJO VOLTAJE | | | | ALTO VOLTAJE | | | |
| Ø | DN | COD. | € | Ø | DN | COD. | € |
| 1/2" | 15 | ABI2B015 | 387,50 | 1/2" | 15 | AAI2B015 | 387,50 |
| 3/4" | 20 | ABI2B020 | 479,15 | 3/4" | 20 | AAI2B020 | 479,15 |
| 1" | 25 | ABI2B025 | 482,05 | 1" | 25 | AAI2B025 | 482,05 |
| 1 1/4" | 32 | ABI2B032 | 710,60 | 1 1/4" | 32 | AAI2B032 | 710,60 |
| 1 1/2" | 40 | ABI2B040 | 713,85 | 1 1/2" | 40 | AAI2B040 | 713,85 |
| 2" | 50 | ABI2B050 | 848,50 | 2" | 50 | AAI2B050 | 848,50 |
| 2 1/2" | 65 | ABI2B065 | 1.077,65 | 2 1/2" | 65 | AAI2B065 | 1.077,65 |
| 3" | 80 | ABI2B080 | 1.438,10 | 3" | 80 | AAI2B080 | 1.438,10 |
| 4" | 100 | ABI2B100 | 2.247,10 | 4" | 100 | AAI2B100 | 2.247,10 |
| 5" | 125 | ABI2B125 | 2.584,80 | 5" | 125 | AAI2B125 | 2.584,80 |
| 6" | 150 | ABI2B150 | 3.601,70 | 6" | 150 | AAI2B150 | 3.601,70 |

COMPLEMENTOS

YT-3300 R POSICIONADOR ELECTRONEUMÁTICO DIGITAL

Aluminio / IP66 / DC 4-20mA / operación standard -30° C a 85° C / 1,4-7,0 bar / 2.8 kg.
Consultar opciones (carcasa inox, comunicación HART, recopia PTM, finales carrera, extra low T^a).

| COD. | € |
|----------|----------|
| ACPOSIO1 | 1.872,65 |


YT-1000 R POSICIONADOR ELECTRONEUMÁTICO

Aluminio / IP66 / DC 4-20mA / operación standard -20° C a 70° C / 1,4-7,0 bar / 2.8 kg.
Consultar opciones (carcasa inox, high-low T^a, recopia PTM, finales carrera, indicador cúpula).

| COD. | € |
|----------|----------|
| ACPOSIO2 | 1.108,70 |


YT-1200 R POSICIONADOR NEUMÁTICO

Aluminio / Señal IN 0,2-1,0 bar / Suministro 1,4-7,0 bar / oper. standard -20° C a 70° C / 1.7 kg.
Consultar opciones (carcasa inox, high-low T^a, recopia PTM-5VR ext., finales carrera, indicador cúpula).

| COD. | € |
|----------|--------|
| ACPOSIO3 | 777,45 |


DPS POSICIONADOR DIGITAL PARA ACTUADOR ELÉCTRICO

Sistema de control digital para regulación mediante señal 4/20mA o 0/10V.

| DESCRIPCIÓN | COD. | € |
|---------------------|----------|--------|
| KIT DPS J4C-20/85 | ACPOSIO4 | 318,00 |
| KIT DPS J4C-140/300 | ACPOSIO5 | 530,00 |

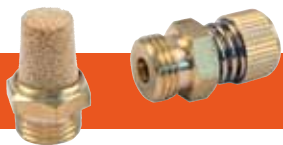

BSR BLOQUE SEGURIDAD PARA ACTUADOR ELÉCTRICO

Sistema de retorno a posición de seguridad por batería.

| DESCRIPCIÓN | COD. | € |
|---------------------|----------|--------|
| KIT BSR J4C-20/85 | ACBSR001 | 318,00 |
| KIT BSR J4C-140/300 | ACBSR002 | 441,65 |


PLACA ADAPTADORA CONTROL VELOCIDAD ACTUADORES NEUMÁTICOS

| COD. | € |
|----------|-----------|
| ACPLAC01 | CONSULTAR |



SILENCIADOR / REGULADOR DE ESCAPE

| DESCRIPCIÓN | COD. | € |
|---------------------|----------|------|
| SILENCIADOR | ACSILE01 | 3,35 |
| REGULADOR DE ESCAPE | ACREGU01 | 5,65 |



REDUCTOR MANUAL DESEMBRAGABLE (Simple y Doble efecto)

| DESCRIPCIÓN | COD. | € |
|--|----------|----------|
| REDUCTOR MANUAL DESEMB. ACTS.NEUM. 52-105 | ACRMD001 | 388,65 |
| REDUCTOR MANUAL DESEMB. ACTS.NEUM. 125-140 | ACRMD002 | 494,65 |
| REDUCTOR MANUAL DESEMB. ACTS.NEUM. 160 | ACRMD003 | 812,65 |
| REDUCTOR MANUAL DESEMB. ACTS.NEUM. 190-210 | ACRMD004 | 1.448,65 |
| REDUCTOR MANUAL DESEMB. ACTS.NEUM. 240-300 | ACRMD005 | 2.226,00 |

Nota: no están incluidos acoplamientos.



EXD FINAL DE CARRERA

Aluminio / Protección EexdIICT6 / IP67 / M20 / Eje y soporte en INOX / 2 micros electromecánicos SPDT.

Consultar opciones (carcasa inox, inductivos).

Otros finales de carrera se ruega consultar.

| COD. | € |
|----------|--------|
| ACFINC01 | 424,00 |



CB FINAL DE CARRERA

PP+15% FV / IP67 / Tapa transparente ABS con visor cúpula/ Prensa y tapón M16 / Soporte regulable / 2 micros electromecánicos SPDT.

Consultar opciones (micros SPDT, detectores inductivos).

Otros finales de carrera se ruega consultar.

| COD. | € |
|----------|-------|
| ACFINC02 | 60,05 |

ELECTROVÁLVULAS NAMUR

5/2

| VOLTAJE* | COD. | € |
|----------|----------|-------|
| 24V DC | ACEV5201 | 42,40 |
| 24V AC | ACEV5202 | 42,40 |
| 220V AC | ACEV5203 | 42,40 |



BIESTABLE 5 VÍAS

| VOLTAJE* | COD. | € |
|----------|----------|--------|
| 24V DC | ACEVBI01 | 150,15 |
| 24V AC | ACEVBI02 | 150,15 |
| 220V AC | ACEVBI03 | 150,15 |



3/2

| VOLTAJE* | COD. | € |
|----------|----------|-------|
| 24V DC | ACEV3201 | 53,00 |
| 24V AC | ACEV3202 | 53,00 |
| 220V AC | ACEV3203 | 53,00 |



* Para otros voltajes se ruega consultar.

VÁLVULAS DE **LATÓN**

Tras varios años de desarrollo y un crecimiento continuado, la marca **ATUSA** ha encontrado su espacio entre los especialistas del mundo de la valvulería. Su mejora constante, basada en los parámetros de seguridad y calidad, ha permitido a este tipo de válvulas lograr un reconocimiento general del mercado.

Las válvulas han ido evolucionando en el paso de los años, adecuándose a las exigencias de los diferentes mercados internacionales y cumpliendo igualmente con las normativas europeas vigentes.



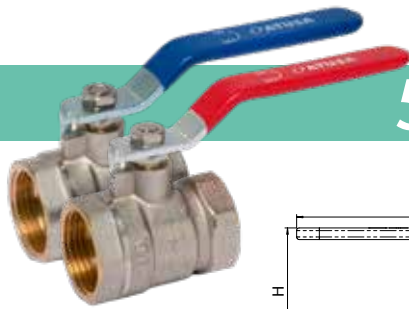


◀▶ **ATUSA**

VÁLVULAS DE
LATÓN

VÁLVULAS
LATÓN

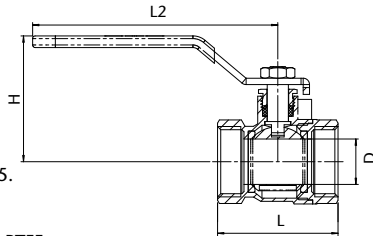
VÁLVULAS DE ESFERA



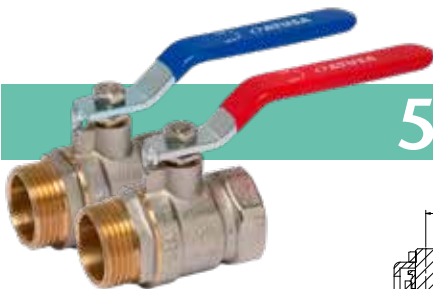
55/55R

VÁLVULA DE ESFERA H/H

PN 25.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de acero con PVC azul o roja.



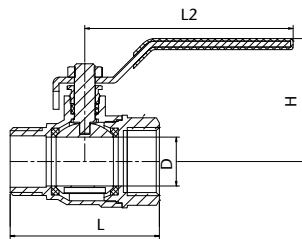
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|--------|-------|-------|--------|-------|--------|-----------|-----------|--------|
| 1/2" | 15 | 46 | 90 | 50 | 100 10 | VS055003 | VSR05503 | 3,25 |
| 3/4" | 17 | 51 | 100 | 54 | 80 10 | VS055004 | VSR05504 | 4,60 |
| 1" | 22 | 58 | 110 | 58 | 64 8 | VS055005 | VSR05505 | 7,50 |
| 1 1/4" | 29 | 72 | 140 | 77 | 32 8 | VS055006 | VSR05506 | 11,40 |
| 1 1/2" | 35 | 81 | 140 | 82 | 24 6 | VS055007 | VSR05507 | 16,80 |
| 2" | 44 | 96 | 165 | 86 | 12 3 | VS055008 | VSR05508 | 24,95 |
| 2 1/2" | 57 | 124 | 236 | 108 | 4 2 | VS05500A | VSR0550A | 58,05 |
| 3" | 68 | 144 | 236 | 116 | 4 2 | VS05500B | VSR0550B | 84,70 |
| 4" | 85 | 166 | 236 | 128 | 2 1 | VS05500C | VSR0550C | 142,75 |



54/54R

VÁLVULA DE ESFERA M/H

PN 25.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de acero con PVC azul o roja.



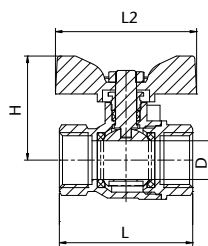
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|--------|-------|-------|--------|-------|--------|-----------|-----------|-------|
| 1/2" | 15 | 54 | 85 | 47 | 100 10 | VS054003 | VSR05403 | 3,85 |
| 3/4" | 17 | 61 | 96 | 52 | 80 10 | VS054004 | VSR05404 | 5,40 |
| 1" | 22 | 67 | 115 | 60 | 64 8 | VS054005 | VSR05405 | 8,05 |
| 1 1/4" | 29 | 83 | 132 | 71 | 32 8 | VS054006 | VSR05406 | 12,85 |
| 1 1/2" | 35 | 92 | 140 | 79 | 24 6 | VS054007 | VSR05407 | 18,80 |
| 2" | 44 | 110 | 145 | 87 | 12 3 | VS054008 | VSR05408 | 28,25 |



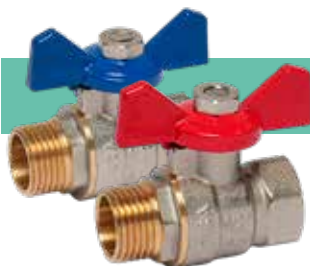
355/355R

VÁLVULA DE ESFERA H/H

PN 25.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio azul o roja.



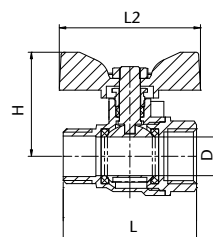
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|------|-------|-------|--------|-------|--------|-----------|-----------|------|
| 1/2" | 15 | 46 | 56 | 40 | 100 10 | VS355003 | VSR35503 | 3,45 |
| 3/4" | 17 | 51 | 56 | 42 | 80 10 | VS355004 | VSR35504 | 4,80 |
| 1" | 22 | 58 | 66 | 55 | 64 8 | VS355005 | VSR35505 | 7,70 |



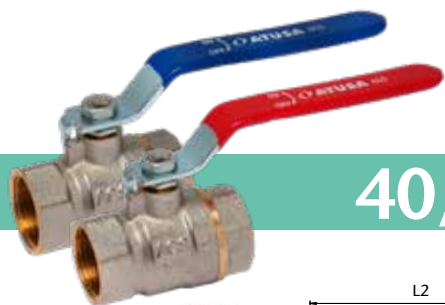
354/354R

VÁLVULA DE ESFERA M/H

PN 25.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio azul o roja.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|------|-------|-------|--------|-------|--------|-----------|-----------|------|
| 1/2" | 15 | 54 | 56 | 40 | 100 10 | VS354003 | VSR35403 | 3,60 |
| 3/4" | 17 | 61 | 56 | 42 | 80 10 | VS354004 | VSR35404 | 5,00 |
| 1" | 22 | 67 | 66 | 55 | 64 8 | VS354005 | VSR35405 | 8,05 |



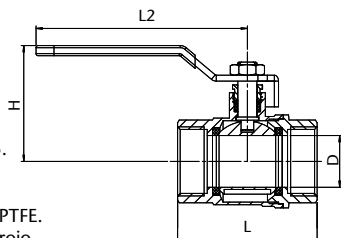
40/50

VÁLVULA DE ESFERA H/H

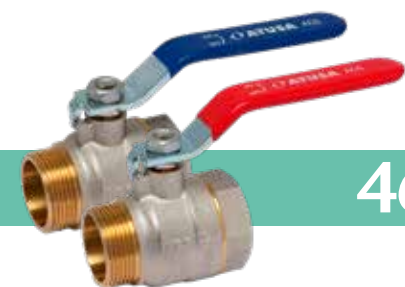
SISTEMA ANTI-HIELO



PN 30.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de acero con PVC azul o rojo.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|--------|-------|-------|--------|-------|--------|-----------|-----------|--------|
| 1/4" | 9,5 | 40 | 81 | 41 | 150 15 | VS040001 | VS050001 | 3,55 |
| 3/8" | 10 | 40 | 81 | 41 | 150 15 | VS040002 | VS050002 | 3,55 |
| 1/2" | 15 | 51 | 81 | 44 | 80 10 | VS040003 | VS050003 | 4,70 |
| 3/4" | 19 | 58 | 110 | 48 | 48 6 | VS040004 | VS050004 | 6,65 |
| 1" | 24 | 64 | 116 | 61 | 32 4 | VS040005 | VS050005 | 10,25 |
| 1 1/4" | 30 | 76 | 132 | 67 | 24 6 | VS040006 | VS050006 | 17,20 |
| 1 1/2" | 37 | 88 | 142 | 88 | 16 4 | VS040007 | VS050007 | 24,45 |
| 2" | 50 | 106 | 142 | 95 | 8 2 | VS040008 | VS050008 | 39,20 |
| 2 1/2" | 59 | 127 | 235 | 121 | 4 1 | VS04000A | VS05000A | 74,75 |
| 3" | 74 | 156 | 235 | 132 | 4 1 | VS04000B | VS05000B | 116,35 |
| 4" | 90 | 179 | 283 | 136 | 3 1 | VS04000C | VS05000D | 171,10 |



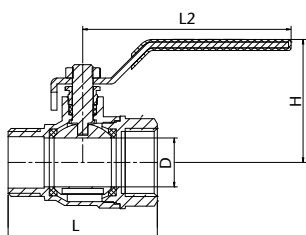
46/56

VÁLVULA DE ESFERA M/H

SISTEMA ANTI-HIELO



PN 30.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de acero con PVC azul o rojo.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|--------|-------|-------|--------|-------|--------|-----------|-----------|-------|
| 3/8" | 10 | 41 | 81 | 41 | 150 15 | VS046002 | VS056002 | 3,80 |
| 1/2" | 15 | 51 | 81 | 44 | 80 8 | VS046003 | VS056003 | 4,75 |
| 3/4" | 19 | 58 | 110 | 48 | 48 6 | VS046004 | VS056004 | 6,70 |
| 1" | 24 | 66 | 116 | 61 | 32 4 | VS046005 | VS056005 | 10,80 |
| 1 1/4" | 30 | 77 | 132 | 67 | 24 6 | VS046006 | VS056006 | 17,75 |
| 1 1/2" | 37 | 89 | 142 | 85 | 16 4 | VS046007 | VS056007 | 24,80 |
| 2" | 50 | 107 | 142 | 95 | 8 2 | VS046008 | VS056008 | 40,70 |



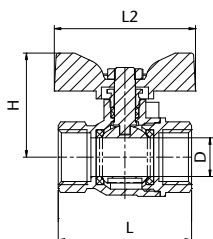
340/350

VÁLVULA DE ESFERA H/H

SISTEMA ANTI-HIELO



PN 30.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio azul o rojo.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|------|-------|-------|--------|-------|--------|-----------|-----------|-------|
| 3/8" | 10 | 40 | 54 | 36 | 150 15 | VS340002 | VS350002 | 3,55 |
| 1/2" | 15 | 51 | 54 | 40 | 90 9 | VS340003 | VS350003 | 4,70 |
| 3/4" | 19 | 58 | 54 | 44 | 80 8 | VS340004 | VS350004 | 6,65 |
| 1" | 24 | 64 | 65 | 51 | 40 5 | VS340005 | VS350005 | 10,25 |



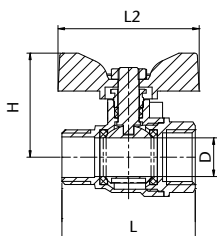
346/356

VÁLVULA DE ESFERA M/H

SISTEMA ANTI-HIELO



PN 30.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio azul o rojo.



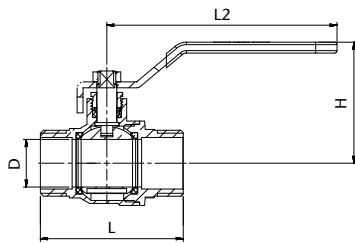
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|------|-------|-------|--------|-------|--------|-----------|-----------|-------|
| 3/8" | 10 | 41 | 54 | 36 | 150 15 | VS346002 | VS356002 | 3,80 |
| 1/2" | 15 | 51 | 54 | 40 | 90 9 | VS346003 | VS356003 | 4,75 |
| 3/4" | 19 | 58 | 54 | 44 | 80 8 | VS346004 | VS356004 | 6,70 |
| 1" | 24 | 66 | 65 | 51 | 32 4 | VS346005 | VS356005 | 10,80 |



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VÁLVULA DE ESFERA M/M

SISTEMA ANTI-HIELO



PN 30.

Latón niquelado según EN 12165.

Rosca Gas, ISO 228/1.

Temp. máxima 120° C.

Prensa estopa con guarnición de PTFE.

Maneta de acero con PVC rojo.

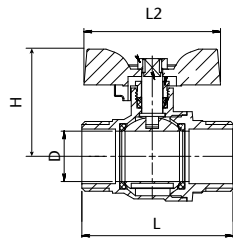
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|------|----------|-------|
| 1/2" | 15 | 58 | 81 | 44 | 80 8 | VS057003 | 4,75 |
| 3/4" | 19 | 64 | 110 | 47 | 48 6 | VS057004 | 7,15 |
| 1" | 24 | 72 | 116 | 61 | 32 4 | VS057005 | 11,05 |
| 1 1/4" | 30 | 86 | 132 | 67 | 24 6 | VS057006 | 17,75 |
| 1 1/2" | 37 | 100 | 142 | 85 | 16 4 | VS057007 | 25,70 |
| 2" | 50 | 115 | 142 | 95 | 8 2 | VS057008 | 43,10 |



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VÁLVULA DE ESFERA M/M

SISTEMA ANTI-HIELO



PN 30.

Latón niquelado según EN 12165.

Rosca Gas, ISO 228/1.

Temp. máxima 120° C.

Prensa estopa con guarnición de PTFE.

Maneta de mariposa de aluminio roja.

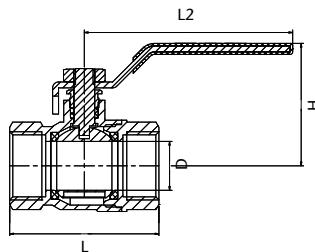
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|------|-------|-------|--------|-------|------|----------|-------|
| 1/2" | 15 | 58 | 54 | 40 | 80 8 | VS357003 | 4,75 |
| 3/4" | 19 | 64 | 54 | 43 | 70 7 | VS357004 | 7,15 |
| 1" | 24 | 72 | 65 | 51 | 32 4 | VS357005 | 11,05 |



50/I

VÁLVULA DE ESFERA H/H MANETA ACERO INOXIDABLE

SISTEMA ANTI-HIELO



PN 30.

Latón niquelado según EN 12165.

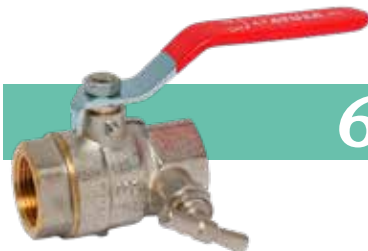
Rosca Gas, ISO 228/1.

Temp. máxima 120° C.

Prensa estopa con guarnición de PTFE.

Maneta de acero inoxidable con PVC rojo.

| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|--------|----------|-------|
| 1/4" | 9,5 | 40 | 83 | 41 | 150 15 | VS50I001 | 4,40 |
| 3/8" | 10 | 40 | 83 | 41 | 150 15 | VS50I002 | 4,40 |
| 1/2" | 15 | 51 | 83 | 44 | 80 10 | VS50I003 | 5,60 |
| 3/4" | 19 | 58 | 83 | 48 | 48 6 | VS50I004 | 7,40 |
| 1" | 24 | 64 | 120 | 61 | 32 4 | VS50I005 | 12,30 |
| 1 1/4" | 30 | 76 | 130 | 67 | 24 6 | VS50I006 | 20,15 |
| 1 1/2" | 37 | 88 | 145 | 88 | 16 4 | VS50I007 | 27,45 |
| 2" | 50 | 106 | 145 | 95 | 8 2 | VS50I008 | 47,15 |



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VÁLVULA DE ESFERA H/H CON PURGADOR Y TAPON

PN 30.

Latón niquelado según EN 12165.

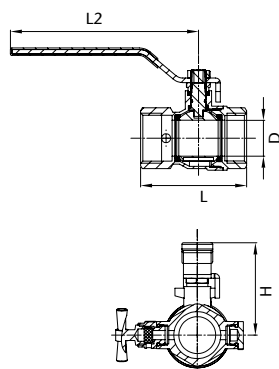
Rosca Gas, ISO 228/1.

Temp. máxima 120° C.

Prensa estopa con guarnición de PTFE.

Maneta de acero con PVC rojo.

Tomas laterales de 1/4".



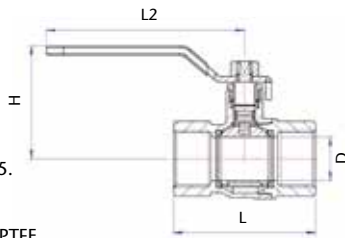
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|------|----------|-------|
| 1/2" | 15 | 56 | 97 | 49 | 40 4 | VS065003 | 7,95 |
| 3/4" | 20 | 63 | 97 | 52 | 24 6 | VS065004 | 11,30 |
| 1" | 24 | 71 | 125 | 59 | 24 6 | VS065005 | 13,90 |
| 1 1/4" | 30 | 82 | 140 | 74 | 16 4 | VS065006 | 21,40 |
| 1 1/2" | 37 | 94 | 140 | 80 | 6 2 | VS065007 | 29,20 |
| 2" | 45 | 103 | 165 | 89 | 6 2 | VS065008 | 43,55 |



10

VÁLVULA DE ESFERA H/H MANETA ACERO INOXIDABLE

PN 40.
 Latón niquelado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 120° C.
 Prensa estopa con guarnición de PTFE.
 Maneta de acero inoxidable con PVC rojo.



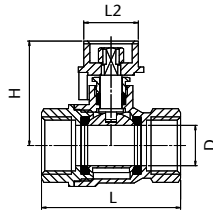
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|--------|----------|-------|
| 1/4" | 10 | 45 | 81 | 42 | 150 15 | VS010001 | 5,25 |
| 3/8" | 10 | 45 | 81 | 42 | 150 15 | VS010002 | 5,25 |
| 1/2" | 15 | 60 | 85 | 50 | 56 7 | VS010003 | 6,85 |
| 3/4" | 20 | 70 | 85 | 54 | 48 6 | VS010004 | 9,65 |
| 1" | 25 | 82 | 114 | 65 | 24 6 | VS010005 | 16,75 |
| 1 1/4" | 32 | 99 | 142 | 77 | 16 4 | VS010006 | 26,65 |
| 1 1/2" | 40 | 106 | 142 | 83 | 8 2 | VS010007 | 34,00 |
| 2" | 50 | 126 | 150 | 94 | 8 2 | VS010008 | 58,40 |



58

VÁLVULA DE ESFERA H/H CON CUADRADILLO PRECINTABLE

PN 25.
 Latón niquelado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 120° C.
 Prensa estopa con guarnición de PTFE.
 Cuadradillo precintable.



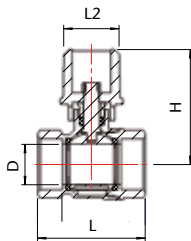
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|------|----------|-------|
| 1/2" | 15 | 51 | 20 | 38 | 90 9 | VS058003 | 5,75 |
| 3/4" | 19 | 58 | 20 | 42 | 80 8 | VS058004 | 7,75 |
| 1" | 24 | 64 | 20 | 52 | 48 6 | VS058005 | 11,60 |
| 1 1/4" | 30 | 76 | 20 | 58 | 32 4 | VS058006 | 19,75 |
| 1 1/2" | 37 | 88 | 24,5 | 68 | 16 4 | VS058007 | 28,15 |
| 2" | 50 | 106 | 24,5 | 77 | 8 2 | VS058008 | 45,45 |



59

VÁLVULA DE ESFERA H/H CON CUADRADILLO 28 x 28

PN 25.
 Latón niquelado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 120° C.
 Prensa estopa con guarnición de PTFE.
 Cuadradillo 28x28.



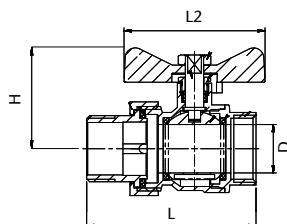
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|-------|----------|-------|
| 1/2" | 15 | 51 | 28 | 60 | 80 10 | VS059003 | 8,75 |
| 3/4" | 19 | 58 | 28 | 63 | 48 6 | VS059004 | 10,65 |
| 1" | 24 | 64 | 28 | 68 | 36 9 | VS059005 | 14,20 |
| 1 1/4" | 30 | 76 | 28 | 74 | 24 6 | VS059006 | 21,65 |
| 1 1/2" | 37 | 88 | 28 | 80 | 16 4 | VS059007 | 28,95 |
| 2" | 50 | 106 | 28 | 89 | 8 2 | VS059008 | 47,45 |



620

VÁLVULA DE ESFERA CON RACOR DE DOS PIEZAS

PN 25.
 Latón niquelado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 120° C.
 Prensa estopa con guarnición de PTFE.
 Maneta de mariposa de aluminio roja.



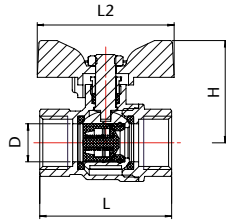
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|--------|-------|-------|--------|-------|------|----------|-------|
| 1/2" | 15 | 70 | 54 | 36 | 70 7 | VS620003 | 6,60 |
| 3/4" | 19 | 76 | 54 | 40 | 60 6 | VS620004 | 9,60 |
| 1" | 24 | 84 | 70 | 50 | 32 4 | VS620005 | 14,95 |
| 1 1/4" | 30 | 103 | 76 | 59 | 24 6 | VS620006 | 24,15 |



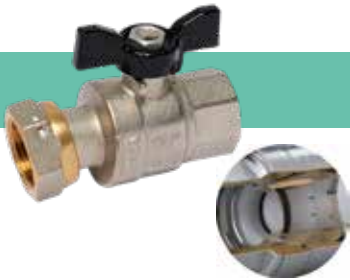
360

VÁLVULA DE ESFERA H/H CON RETENCIÓN INCORPORADA

PN 16.
 Latón niquelado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 95° C.
 Prensa estopa con guarnición de PTFE.
 Cierre retención EPDM.
 Muelle inox AISI 304.
 Maneta de mariposa de aluminio negra.



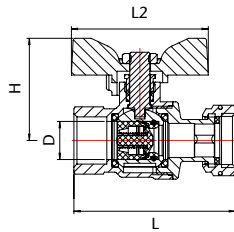
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|------|-------|-------|--------|-------|------|----------|-------|
| 1/2" | 15 | 52 | 54 | 40 | 90 9 | VS360003 | 6,70 |
| 3/4" | 20 | 64 | 54 | 44 | 70 7 | VS360004 | 10,35 |
| 1" | 25 | 74 | 65 | 51 | 32 4 | VS360005 | 16,85 |



361

VÁLVULA DE ESFERA H/H TUERCA LOCA CON RETENCIÓN INCORPORADA

PN 16.
 Latón niquelado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 95° C.
 Prensa estopa con guarnición de PTFE.
 Cierre retención EPDM.
 Muelle inox AISI 304.
 Maneta de mariposa de aluminio negra.



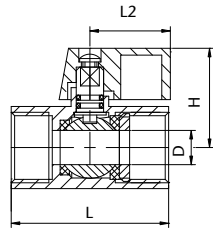
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|------|-------|-------|--------|-------|--------|----------|-------|
| 1/2" | 15 | 64 | 54 | 40 | 100 10 | VS361003 | 7,40 |
| 3/4" | 20 | 80 | 54 | 44 | 60 6 | VS361004 | 11,95 |
| 1" | 25 | 91 | 65 | 51 | 48 6 | VS361005 | 18,60 |



1011/1011R

VÁLVULA DE ESFERA TIPO "MINI" H/H

PN 16.
 Latón cromado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 100° C.
 Maneta mariposa de aluminio color azul o roja.



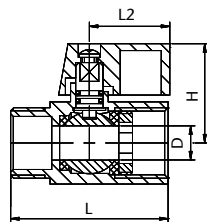
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|------|-------|-------|--------|-------|--------|-----------|-----------|------|
| 1/8" | 7 | 40 | 23 | 27 | 200 20 | VS101100 | VSR10110 | 2,95 |
| 1/4" | 8 | 40 | 23 | 27 | 200 20 | VS101101 | VSR10111 | 2,95 |
| 3/8" | 8 | 40 | 23 | 27 | 200 20 | VS101102 | VSR10112 | 2,95 |
| 1/2" | 10 | 47 | 23 | 29 | 160 16 | VS101103 | VSR10113 | 3,55 |
| 3/4" | 15 | 50 | 23 | 31 | 100 10 | VS101104 | VSR10114 | 6,00 |



1012/1012R

VÁLVULA DE ESFERA TIPO "MINI" M/H

PN 16.
 Latón cromado según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 100° C.
 Maneta mariposa de aluminio color azul o roja.



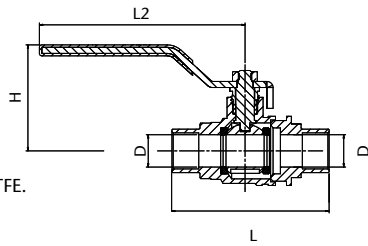
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. AZUL | COD. ROJO | € |
|------|-------|-------|--------|-------|--------|-----------|-----------|------|
| 1/8" | 7 | 40 | 23 | 27 | 200 20 | VS101200 | VSR10120 | 2,95 |
| 1/4" | 8 | 40 | 23 | 27 | 200 20 | VS101201 | VSR10121 | 2,95 |
| 3/8" | 8 | 40 | 23 | 27 | 200 20 | VS101202 | VSR10122 | 2,95 |
| 1/2" | 10 | 47 | 23 | 29 | 160 16 | VS101203 | VSR10123 | 3,55 |
| 3/4" | 15 | 50 | 23 | 31 | 100 10 | VS101204 | VSR10124 | 6,00 |



30/S

VÁLVULA DE ESFERA PARA SOLDAR

PN 30.
Latón según EN 12165.
Extremos para soldar.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de acero con PVC azul.



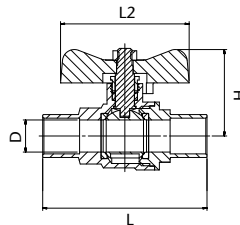
| Ø | D mm. | L mm. | L2 mm. | H mm. | 📦 | | COD. | € |
|--------|-------|-------|--------|-------|----|---|----------|-------|
| 15 mm. | 13,5 | 69 | 85 | 44 | 64 | 8 | VS30S315 | 4,75 |
| 18 mm. | 13,5 | 72 | 85 | 44 | 64 | 8 | VS30S418 | 4,95 |
| 22 mm. | 18 | 81 | 85 | 46 | 48 | 6 | VS30S422 | 7,00 |
| 28 mm. | 21 | 95 | 115 | 55 | 32 | 4 | VS30S528 | 11,60 |
| 35 mm. | 30 | 113 | 140 | 76 | 16 | 4 | VS30S635 | 20,95 |
| 42 mm. | 37 | 130 | 140 | 81 | 8 | 2 | VS30S742 | 31,30 |
| 54 mm. | 47 | 151 | 165 | 91 | 4 | 1 | VS30S854 | 51,15 |



330/S

VÁLVULA DE ESFERA PARA SOLDAR

PN 30.
Latón según EN 12165.
Extremos para soldar.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio roja.



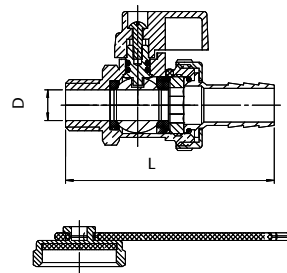
| Ø | D mm. | L mm. | L2 mm. | H mm. | 📦 | | COD. | € |
|--------|-------|-------|--------|-------|----|---|----------|------|
| 15 mm. | 13,5 | 69 | 54 | 36 | 64 | 8 | VS33S315 | 4,75 |
| 18 mm. | 13,5 | 72 | 54 | 36 | 64 | 8 | VS33S418 | 4,95 |
| 22 mm. | 18 | 81 | 54 | 39 | 48 | 6 | VS33S422 | 7,00 |



519

VÁLVULA DE ESFERA PARA DESCARGA DE CALDERA

PN 16.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máx. 100° C.
Junta de estanqueidad en PTFE y O-ring en NBR.
Toma de manguera con tapón de seguridad.
Maneta mariposa color negro.



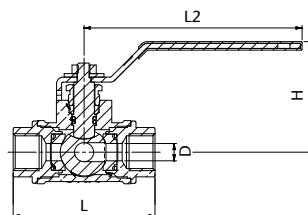
| Ø | D mm. | L mm. | 📦 | | COD. | € |
|------|-------|-------|----|---|----------|------|
| 1/2" | 10 | 70 | 64 | 8 | VS519003 | 5,00 |



1302/1303

VÁLVULA DE ESFERA 3 VÍAS 1302 PASO EN L / 1303 PASO EN T

PN 16.
Latón niquelado según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Prensa estopa con guarnición de PTFE.
Bola esférica de 2 o 3 vías con forma de "L" o "T".
Maneta de acero con PVC rojo.



| Ø | D mm. | L mm. | L2 mm. | H mm. | 📦 | | COD. | € |
|--------|-------|-------|--------|-------|----|---|---------------|--------|
| 1/4" | 10 | 81 | 125 | 64 | 24 | 6 | VS130(2)(3)01 | 23,20 |
| 3/8" | 10 | 81 | 125 | 64 | 24 | 6 | VS130(2)(3)02 | 23,20 |
| 1/2" | 10 | 82 | 125 | 64 | 24 | 6 | VS130(2)(3)03 | 23,20 |
| 3/4" | 15 | 91 | 125 | 67 | 15 | 5 | VS130(2)(3)04 | 31,85 |
| 1" | 20 | 105 | 161 | 72 | 12 | 4 | VS130(2)(3)05 | 51,85 |
| 1 1/4" | 25 | 116 | 161 | 79 | 9 | 3 | VS130(2)(3)06 | 69,60 |
| 1 1/2" | 32 | 140 | 220 | 92 | 4 | 1 | VS130(2)(3)07 | 124,65 |
| 2" | 40 | 164 | 220 | 98 | 2 | 1 | VS130(2)(3)08 | 191,60 |

*(2): 1302 paso en L
*(3): 1303 paso en T

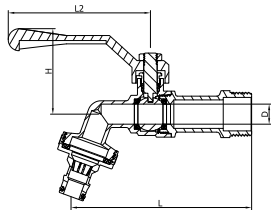


41

GRIFO CURVO DE ESFERA MANETA ALUMINIO RACOR RÁPIDO MANGUERA

SISTEMA ANTI-HIELO

PN 20.
Latón niquelado según EN 12165.
Temp. máxima 100° C.
Prensa estopa con guarnición PFTE.
Maneta de aluminio de color rojo.
Racor rápido conexión manguera.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|-------------|-------|-------|--------|-------|------|----------|-------|
| 1/2" x 3/4" | 10 | 98 | 86 | 50 | 64 8 | VS041003 | 6,00 |
| 3/4" x 1" | 12 | 112 | 86 | 51 | 48 6 | VS041004 | 8,70 |
| 1" x 1" | 15 | 120 | 100 | 54 | 32 4 | VS041005 | 12,25 |

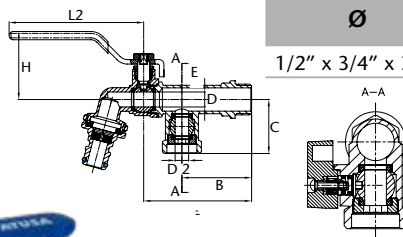


42

GRIFO CURVO DE ESFERA DOS SALIDAS RACOR RÁPIDO MANGUERA

SISTEMA ANTI-HIELO

PN 16.
Latón niquelado según EN 12165.
Temp. máxima 90° C.
Prensa estopa con guarnición PFTE.
Maneta acero con PVC azul.
Racor rápido conexión manguera.



| Ø | D mm. | D2 mm. | B mm. | E mm. | C mm. | L2 mm. | H mm. | | COD. | € |
|--------------------|-------|--------|-------|-------|-------|--------|-------|------|----------|------|
| 1/2" x 3/4" x 3/4" | 10 | 9 | 47 | 72 | 37 | 92 | 45 | 36 9 | VS042344 | 9,90 |

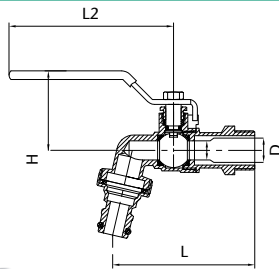


43

GRIFO CURVO DE ESFERA MANETA ACERO INOXIDABLE RACOR RÁPIDO MANGUERA

SISTEMA ANTI-HIELO

PN 16.
Latón niquelado según EN 12165.
Temp. máxima 90° C.
Prensa estopa con guarnición PFTE.
Maneta acero inoxidable con PVC azul.
Racor rápido conexión manguera.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|-------------|-------|-------|--------|-------|-------|----------|-------|
| 1/2" x 3/4" | 10 | 74 | 90 | 45 | 80 10 | VS043003 | 6,05 |
| 3/4" x 1" | 12 | 91 | 100 | 47 | 48 6 | VS043004 | 8,45 |
| 1" x 1 1/4" | 15 | 94 | 110 | 53 | 32 4 | VS043005 | 10,45 |



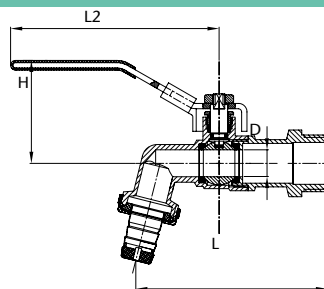
44

GRIFO CURVO DE ESFERA CON ORIFICIO PRECINTABLE



SISTEMA ANTI-HIELO

PN 16.
Latón niquelado según EN 12165.
Temp. máxima 90° C.
Prensa estopa con guarnición de PTFE.
Maneta de acero con PVC azul.
Racor 2 piezas conexión manguera.
Rompe-chorros en Nylon.



| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|-------------|-------|-------|--------|-------|-------|----------|------|
| 1/2" x 1/2" | 10 | 73 | 97 | 45 | 80 10 | VS044033 | 4,60 |
| 1/2" x 3/4" | 10 | 74 | 97 | 45 | 80 10 | VS044003 | 4,55 |
| 3/4" x 3/4" | 12 | 91 | 97 | 45 | 48 6 | VS044044 | 6,50 |
| 3/4" x 1" | 12 | 91 | 97 | 47 | 48 6 | VS044004 | 6,70 |
| 1" x 1 1/4" | 15 | 94 | 114 | 58 | 32 4 | VS044005 | 8,65 |

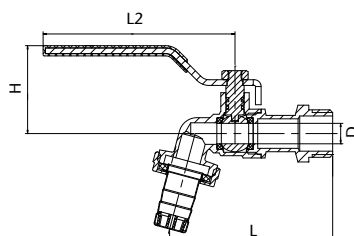


45

GRIFO CURVO DE ESFERA

SISTEMA ANTI-HIELO

PN 16.
Latón niquelado según EN 12165.
Temp. máxima 90° C.
Maneta de acero con PVC azul.
Racor 2 piezas conexión manguera.
Rompe-chorros en Nylon.



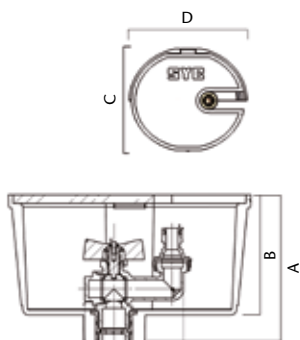
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|-------------|-------|-------|--------|-------|-------|----------|------|
| 1/2" x 3/4" | 9 | 71 | 81 | 38 | 80 10 | VS045003 | 3,65 |
| 3/4" x 1" | 12 | 87 | 85 | 42 | 48 6 | VS045004 | 5,80 |
| 1" x 1 1/4" | 14 | 94 | 105 | 47 | 32 4 | VS045005 | 8,05 |



800

ARQUETA DE RIEGO PARA JARDÍN

Arqueta con tapa color verde.
Racor ataque rápido manguera.
Boca de riego vertical a esfera.
Temp. máxima 100° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio de color rojo.



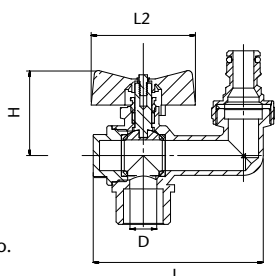
| Ø | A mm. | B mm. | C mm. | D mm. | | COD. | € |
|--------------------|-------|-------|-------|-------|-----|----------|-------|
| 1/2" / 3/4" x 3/4" | 123 | 100 | 178 | 200 | 2 1 | VS800044 | 30,30 |
| 1/2" / 3/4" x 1" | | | | | | VS800045 | 33,00 |



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VÁLVULA DE ESFERA BOCA DE RIEGO VERTICAL

PN 16.
Latón según EN 12165.
Racor ataque rápido manguera.
Boca de riego vertical a esfera.
Temp. máx. 100° C.
Prensa estopa con guarnición de PTFE.
Maneta de mariposa de aluminio de color rojo.



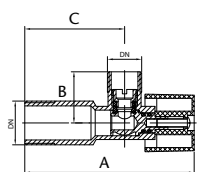
| Ø | D mm. | L mm. | L2 mm. | H mm. | | COD. | € |
|-------------|-------|-------|--------|-------|------|----------|-------|
| 3/4" x 3/4" | 13 | 82 | 50 | 41 | 48 6 | VS088044 | 15,00 |
| 3/4" x 1" | 13 | 84 | 50 | 43 | 48 6 | VS088045 | 17,45 |



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VÁLVULA DE ESCUADRA

PN 10.
Latón cromado según EN 12165.
Temp. máxima 90° C.
Con tornillo de sujeción del mando.
Florón en acero inoxidable.



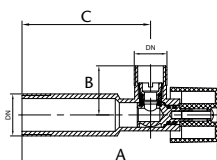
| Ø | A mm. | B mm. | C mm. | | COD. | € |
|-------------|-------|-------|-------|-------|----------|------|
| 1/2" x 3/8" | 80 | 24 | 47 | 160 2 | VS060002 | 2,40 |
| 1/2" x 1/2" | 80 | 24 | 47 | 160 2 | VS060003 | 2,50 |



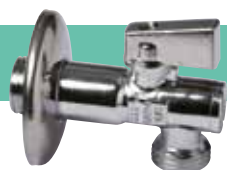
60L

VÁLVULA DE ESCUADRA LARGA

PN 10.
Latón cromado según EN 12165.
Temp. máxima 90° C.
Con tornillo de sujeción del mando.
Florón en acero inoxidable.



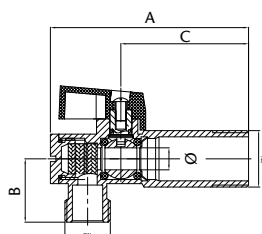
| Ø | A mm. | B mm. | C mm. | | COD. | € |
|-------------|-------|-------|-------|-------|----------|------|
| 1/2" x 3/8" | 98 | 24 | 63 | 136 2 | VS060L02 | 3,15 |



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VÁLVULA DE ESCUADRA CON FILTRO

PN 10.
Latón cromado según EN 12165.
Temp. máxima 90° C.
Con tornillo de sujeción del mando.
Florón en acero inoxidable.



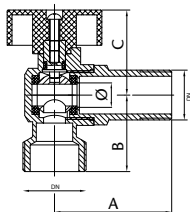
| Ø | Ø mm. | A mm. | B mm. | C mm. | | COD. | € |
|-------------|-------|-------|-------|-------|-------|----------|------|
| 1/2" x 3/8" | 8 | 72 | 23 | 47 | 138 2 | VS066002 | 3,40 |
| 1/2" x 1/2" | 8 | 72 | 23 | 47 | 138 2 | VS066003 | 3,50 |
| 1/2" x 3/4" | 8 | 72 | 23 | 47 | 138 2 | VS066004 | 3,60 |



1100

VÁLVULA DE ESCUADRA LAVADORA

PN 10.
Latón cromado según EN 12165.
Temp. máxima 90° C.
Con tornillo de sujeción del mando.
Florón en acero inoxidable.



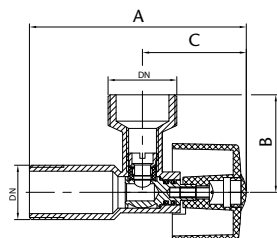
| Ø | Ø mm. | A mm. | B mm. | C mm. | | COD. | € |
|-------------|-------|-------|-------|-------|------|----------|------|
| 1/2" x 3/4" | 9 | 40 | 32 | 35 | 95 1 | VS110034 | 4,00 |



1110

VÁLVULA DE ESCUADRA LAVADORA

PN 10.
Latón cromado según EN 12165.
Temp. máxima 90° C.
Con tornillo de sujeción del mando.
Florón en acero inoxidable.



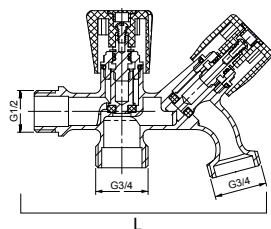
| Ø | A mm. | B mm. | C mm. | | COD. | € |
|-------------|-------|-------|-------|------|----------|------|
| 1/2" x 3/4" | 82 | 37 | 39 | 90 1 | VS111034 | 3,50 |



1200

GRIFO DOBLE PARA LAVADORA

PN 10.
Latón cromado según EN 12165.
Manetas ABS cromadas.



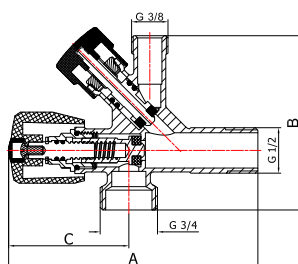
| Ø | L mm. | | COD. | € |
|--------------------|-------|------|----------|-------|
| 1/2" x 3/4" x 3/4" | 115 | 48 6 | VS120003 | 12,00 |



1300

VÁLVULA MIXTA LAVADORA LAVABO

PN 10.
Latón cromado según EN 12165.
Temp. máxima 100° C.
Con tornillo de sujeción del mando.
Florón en acero inoxidable.



| Ø | A mm. | B mm. | C mm. | | COD. | € |
|--------------------|-------|-------|-------|------|----------|------|
| 1/2" x 3/4" x 3/8" | 113 | 79 | 55 | 36 1 | VS130342 | 9,20 |

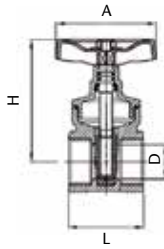
VÁLVULAS DE COMPUERTA Y ASIENTO



150/G

VÁLVULA DE COMPUERTA CON CIERRE ELÁSTICO

PN 16.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 80° C.
Cierre compuerta latón + NBR vulcanizado.
Maneta roja de acero.



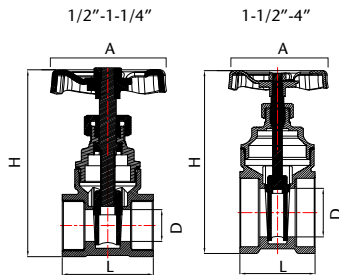
| Ø | D mm. | L mm. | H mm. | A mm. | | COD. | € |
|--------|-------|-------|-------|-------|-------|----------|--------|
| 1/2" | 13 | 39 | 58 | 50 | 96 12 | VS150G03 | 6,40 |
| 3/4" | 19 | 45 | 69 | 50 | 64 8 | VS150G04 | 8,65 |
| 1" | 25 | 51 | 80 | 59 | 48 6 | VS150G05 | 13,90 |
| 1 1/4" | 29 | 56 | 94 | 59 | 28 7 | VS150G06 | 23,55 |
| 1 1/2" | 36 | 61 | 128 | 78 | 12 3 | VS150G07 | 32,30 |
| 2" | 45 | 64 | 142 | 78 | 12 3 | VS150G08 | 45,45 |
| 2 1/2" | 60 | 100 | 170 | 100 | 3 1 | VS150G0A | 93,50 |
| 3" | 70 | 100 | 195 | 100 | 3 1 | VS150G0B | 129,65 |
| 4" | 99 | 107 | 260 | 130 | 2 1 | VS150G0C | 231,70 |



150

VÁLVULA DE COMPUERTA EN LATÓN

PN 16.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 80° C.
Cierre disco de latón.
Maneta roja de acero.



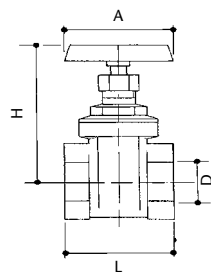
| Ø | D mm. | L mm. | H mm. | A mm. | | COD. | € |
|--------|-------|-------|-------|-------|-------|----------|--------|
| 3/8" | 13 | 38 | 78 | 50 | 96 12 | VS150002 | 5,35 |
| 1/2" | 13 | 38 | 78 | 50 | 48 12 | VS150003 | 4,85 |
| 3/4" | 15 | 41 | 82 | 50 | 48 12 | VS150004 | 5,65 |
| 1" | 20 | 45 | 96 | 59 | 32 8 | VS150005 | 7,90 |
| 1 1/4" | 26 | 51 | 115 | 59 | 24 4 | VS150006 | 12,55 |
| 1 1/2" | 33 | 51 | 124 | 70 | 12 3 | VS150007 | 15,80 |
| 2" | 42 | 61 | 156 | 70 | 8 2 | VS150008 | 27,80 |
| 2 1/2" | 60 | 66 | 202 | 98 | 10 1 | VS15000A | 47,50 |
| 3" | 70 | 84 | 236 | 109 | 8 1 | VS15000B | 66,90 |
| 4" | 93 | 85 | 296 | 131 | 4 1 | VS15000C | 119,70 |



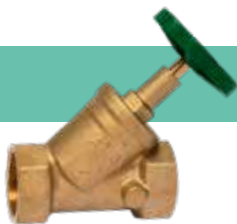
172

VÁLVULA DE COMPUERTA EN BRONCE

PN 16.
Cuerpo en bronce.
Rosca Gas, ISO 228/1.
Temp. máxima 80° C.
Maneta roja de acero.



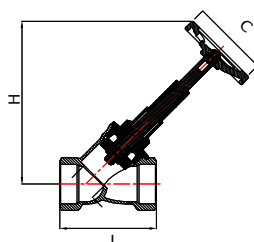
| Ø | D mm. | L mm. | H mm. | A mm. | | COD. | € |
|--------|-------|-------|-------|-------|--------|----------|--------|
| 1/2" | 15 | 38 | 68 | 45 | 160 20 | VS172003 | 9,80 |
| 3/4" | 19 | 45 | 78 | 50 | 100 20 | VS172004 | 13,25 |
| 1" | 24 | 48 | 92 | 55 | 80 10 | VS172005 | 16,65 |
| 1 1/4" | 32 | 51 | 108 | 60 | 40 10 | VS172006 | 25,85 |
| 1 1/2" | 37 | 58 | 125 | 70 | 35 5 | VS172007 | 33,30 |
| 2" | 47 | 62 | 145 | 80 | 25 5 | VS172008 | 45,10 |
| 2 1/2" | 60 | 76 | 175 | 100 | 14 1 | VS17200A | 83,40 |
| 3" | 72 | 80 | 200 | 100 | 12 1 | VS17200B | 103,80 |
| 4" | 93 | 96 | 240 | 120 | 6 1 | VS17200D | 174,45 |



173

VÁLVULA DE ASIENTO INCLINADO

PN 16.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 80° C.
Cierre goma NBR.



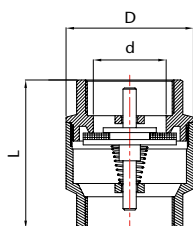
| Ø | L mm. | C mm. | H mm. | | COD. | € |
|--------|-------|-------|-------|------|----------|-------|
| 1/2" | 57 | 50 | 88 | 60 6 | VS173003 | 7,15 |
| 3/4" | 63 | 50 | 108 | 50 5 | VS173004 | 10,05 |
| 1" | 76 | 62 | 130 | 24 3 | VS173005 | 16,30 |
| 1 1/4" | 95 | 62 | 157 | 16 4 | VS173006 | 31,10 |
| 1 1/2" | 113 | 80 | 169 | 8 2 | VS173007 | 49,55 |
| 2" | 134 | 80 | 205 | 8 1 | VS173008 | 83,10 |

VÁLVULAS DE RETENCIÓN, DE FONDO Y FILTROS



130

VÁLVULA DE RETENCIÓN A MUELLE



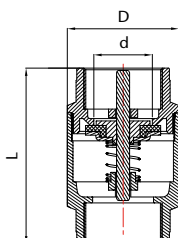
PN 16-10-8.
 Latón según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 80° C.
 Guía y disco de latón.
 Cierre goma NBR.
 Montaje horizontal o vertical.

| Ø | d mm. | L mm. | D mm. | | COD. | € |
|--------|-------|-------|-------|--------|----------|--------|
| 3/8" | 14 | 42 | 31 | 144 24 | VS130002 | 3,80 |
| 1/2" | 15 | 45 | 34 | 120 20 | VS130003 | 4,00 |
| 3/4" | 23 | 48 | 42 | 72 12 | VS130004 | 5,80 |
| 1" | 28 | 56 | 48 | 48 8 | VS130005 | 7,70 |
| 1 1/4" | 37 | 61 | 59 | 24 6 | VS130006 | 11,10 |
| 1 1/2" | 42 | 68 | 67 | 16 4 | VS130007 | 16,30 |
| 2" | 54 | 77 | 81 | 8 2 | VS130008 | 26,05 |
| 2 1/2" | 68 | 93 | 104 | 8 1 | VS13000A | 55,45 |
| 3" | 78 | 97 | 111 | 6 1 | VS13000B | 65,20 |
| 4" | 100 | 110 | 140 | 2 1 | VS13000C | 107,80 |



131

VÁLVULA DE RETENCIÓN A MUELLE REFORZADA



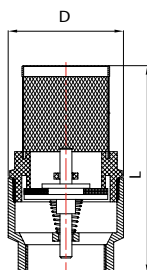
PN 25-16-10.
 Latón según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 80° C.
 Guía y disco de latón.
 Cierre goma NBR.
 Montaje horizontal o vertical.

| Ø | d mm. | L mm. | D mm. | | COD. | € |
|--------|-------|-------|-------|-------|----------|--------|
| 1/2" | 16 | 57 | 35 | 90 15 | VS131003 | 5,50 |
| 3/4" | 22 | 64 | 42 | 48 12 | VS131004 | 7,65 |
| 1" | 25 | 75 | 48 | 36 9 | VS131005 | 11,70 |
| 1 1/4" | 32 | 83 | 61 | 24 6 | VS131006 | 18,60 |
| 1 1/2" | 41 | 93 | 71 | 8 2 | VS131007 | 25,20 |
| 2" | 50 | 100 | 87 | 8 2 | VS131008 | 36,30 |
| 2 1/2" | 67 | 120 | 119 | 6 1 | VS13100A | 77,85 |
| 3" | 79 | 140 | 140 | 4 1 | VS13100B | 118,45 |
| 4" | 100 | 158 | 154 | 3 1 | VS13100C | 177,40 |



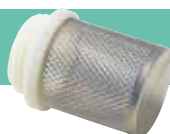
130/A

VÁLVULA DE RETENCIÓN DE FONDO



PN 16-10-8.
 Latón según EN 12165.
 Rosca Gas, ISO 228/1.
 Temp. máxima 80° C.
 Guía y disco de latón.
 Cierre goma NBR.
 Filtro en acero inoxidable.

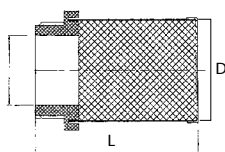
| Ø | L mm. | D mm. | | COD. | € |
|--------|-------|-------|-------|----------|-------|
| 1/2" | 66 | 34 | 72 12 | VS130A03 | 3,45 |
| 3/4" | 71 | 43 | 48 12 | VS130A04 | 4,80 |
| 1" | 87 | 48 | 40 10 | VS130A05 | 6,40 |
| 1 1/4" | 97 | 59 | 12 3 | VS130A06 | 9,15 |
| 1 1/2" | 111 | 68 | 12 3 | VS130A07 | 13,85 |
| 2" | 129 | 81 | 6 3 | VS130A08 | 23,15 |
| 2 1/2" | 160 | 103 | 9 1 | VS130A0A | 39,10 |
| 3" | 170 | 111 | 8 1 | VS130A0B | 56,30 |
| 4" | 194 | 140 | 5 1 | VS130A0C | 81,00 |



611

FILTRO EN INOXIDABLE PARA VÁLVULA DE RETENCIÓN

Tamiz acero inoxidable.
 Racor nylon.



| Ø | L mm. | D mm. | | COD. | € |
|--------|-------|-------|--------|----------|------|
| 1/2" | 43 | 15 | 250 25 | VS611003 | 0,50 |
| 3/4" | 44 | 19 | 140 14 | VS611004 | 0,55 |
| 1" | 52 | 24 | 88 11 | VS611005 | 0,75 |
| 1 1/4" | 60 | 35 | 48 6 | VS611006 | 1,05 |
| 1 1/2" | 70 | 40 | 40 5 | VS611007 | 1,30 |
| 2" | 80 | 50 | 24 6 | VS611008 | 1,85 |
| 2 1/2" | 95 | 63 | 24 1 | VS61100A | 2,65 |
| 3" | 102 | 78 | 8 1 | VS61100B | 3,25 |
| 4" | 111 | 98 | 6 1 | VS61100C | 4,80 |

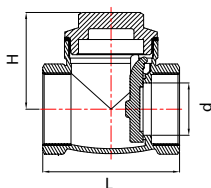


155

VÁLVULA DE RETENCIÓN A CLAPETA CIERRE METÁLICO



PN 16-10-8.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 100° C.
Cierre disco de latón.
Montaje horizontal o vertical ascendente.



| Ø | d mm. | L mm. | H mm. | 📦 | | COD. | € |
|--------|-------|-------|-------|----|----|----------|--------|
| 1/2" | 14 | 48 | 35 | 72 | 12 | VS155003 | 4,90 |
| 3/4" | 20 | 52 | 40 | 60 | 10 | VS155004 | 6,90 |
| 1" | 24 | 63 | 45 | 24 | 6 | VS155005 | 9,90 |
| 1 1/4" | 30 | 74 | 52 | 20 | 5 | VS155006 | 15,75 |
| 1 1/2" | 32 | 80 | 54 | 16 | 4 | VS155007 | 20,30 |
| 2" | 48 | 98 | 67 | 8 | 1 | VS155008 | 34,55 |
| 2 1/2" | 61 | 120 | 81 | 5 | 1 | VS15500A | 53,80 |
| 3" | 70 | 135 | 92 | 7 | 1 | VS15500B | 81,45 |
| 4" | 86 | 160 | 103 | 4 | 1 | VS15500C | 141,45 |

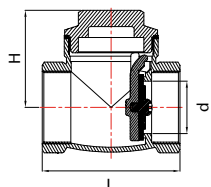


155/A

VÁLVULA DE RETENCIÓN A CLAPETA CIERRE DE GOMA



PN 16-10-8.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 80° C.
Cierre goma NBR.
Montaje horizontal o vertical ascendente.



| Ø | d mm. | L mm. | H mm. | 📦 | | COD. | € |
|--------|-------|-------|-------|----|----|----------|--------|
| 1/2" | 14 | 48 | 35 | 72 | 12 | VS155A03 | 4,90 |
| 3/4" | 20 | 52 | 40 | 60 | 10 | VS155A04 | 6,90 |
| 1" | 24 | 63 | 45 | 24 | 6 | VS155A05 | 9,90 |
| 1 1/4" | 30 | 74 | 52 | 20 | 5 | VS155A06 | 15,75 |
| 1 1/2" | 32 | 80 | 54 | 16 | 4 | VS155A07 | 20,30 |
| 2" | 48 | 98 | 67 | 8 | 1 | VS155A08 | 34,55 |
| 2 1/2" | 61 | 120 | 81 | 5 | 1 | VS155A0A | 53,80 |
| 3" | 70 | 135 | 92 | 7 | 1 | VS155A0B | 81,45 |
| 4" | 86 | 160 | 103 | 4 | 1 | VS155A0C | 141,45 |

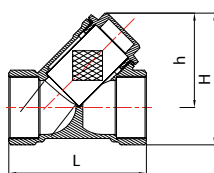


205

FILTRO DE LATÓN EN "Y"



PN 16.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 120° C.
Malla en acero inoxidable.



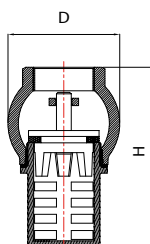
| Ø | L mm. | H mm. | h mm. | 📦 | | COD. | € |
|--------|-------|-------|-------|-----|----|----------|--------|
| 3/8" | 46 | 41 | 31 | 144 | 12 | VS205002 | 3,70 |
| 1/2" | 57 | 53 | 40 | 72 | 12 | VS205003 | 3,95 |
| 3/4" | 66 | 62 | 46 | 40 | 10 | VS205004 | 5,95 |
| 1" | 74 | 72 | 52 | 36 | 9 | VS205005 | 8,45 |
| 1 1/4" | 96 | 88 | 63 | 16 | 4 | VS205006 | 17,00 |
| 1 1/2" | 104 | 101 | 72 | 12 | 2 | VS205007 | 20,50 |
| 2" | 125 | 122 | 91 | 8 | 1 | VS205008 | 35,10 |
| 2 1/2" | 146 | 148 | 107 | 4 | 1 | VS20500A | 75,20 |
| 3" | 170 | 171 | 123 | 6 | 1 | VS20500B | 88,05 |
| 4" | 210 | 214 | 152 | 2 | 1 | VS20500C | 176,00 |



196

VÁLVULA DE FONDO CON FILTRO DE LATÓN

PN 16.
Latón según EN 12165.
Rosca Gas, ISO 228/1.
Temp. máxima 80° C.
Cierre goma NBR.



| Ø | D mm. | H mm. | 📦 | | COD. | € |
|--------|-------|-------|----|----|----------|--------|
| 1/2" | 38 | 62 | 60 | 15 | VS196003 | 5,00 |
| 3/4" | 44 | 68 | 48 | 12 | VS196004 | 6,25 |
| 1" | 48 | 76 | 36 | 6 | VS196005 | 7,50 |
| 1 1/4" | 57 | 94 | 20 | 5 | VS196006 | 12,15 |
| 1 1/2" | 66 | 102 | 12 | 3 | VS196007 | 16,10 |
| 2" | 77 | 116 | 8 | 2 | VS196008 | 25,60 |
| 2 1/2" | 86 | 140 | 8 | 1 | VS19600A | 36,05 |
| 3" | 111 | 149 | 8 | 1 | VS19600B | 53,95 |
| 4" | 143 | 186 | 5 | 1 | VS19600C | 103,40 |

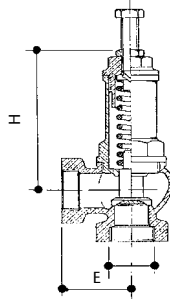
VÁLVULAS DE SEGURIDAD



560

VÁLVULA DE SEGURIDAD EN ESCUADRA

PN 16.
Latón según EN 12165.
Temp. máxima de 200° C.
Asiento metálico.
Campo de tarado de 1 a 12 bar.
Suministrada sin preparar.



| Ø | H mm. | E mm. | | COD. | € |
|--------|-------|-------|------|----------|--------|
| 1/2" | 76 | 36 | 50 1 | VSS60003 | 28,65 |
| 3/4" | 90 | 39 | 40 1 | VSS60004 | 38,70 |
| 1" | 98 | 47 | 25 1 | VSS60005 | 52,55 |
| 1 1/4" | 125 | 56 | 15 1 | VSS60006 | 89,30 |
| 1 1/2" | 140 | 63 | 10 1 | VSS60007 | 120,30 |
| 2" | 150 | 75 | 5 1 | VSS60008 | 165,75 |
| 2 1/2" | 181 | 86 | 2 1 | VSS6000A | 398,15 |
| 3" | 205 | 88 | 2 1 | VSS6000B | 520,70 |

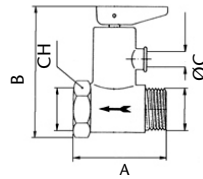
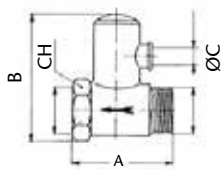


701

VÁLVULA DE SEGURIDAD PARA TERMO M-H ORIENTABLE



PN 16.
Latón niquelado según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Incluye válvula antirretorno.
Descarga ORIENTABLE.



| | Ø | TARADA bar | A mm. | B mm. | C mm. | | COD. | € |
|-------------|------|------------|-------|-------|-------|--------|----------|------|
| SIN PALANCA | 1/2" | 8,5 | 40 | 49 | 6 | 250 25 | VS701R03 | 4,15 |
| CON PALANCA | 1/2" | 8,5 | 40 | 59 | 6 | 180 20 | VS701RP3 | 4,85 |

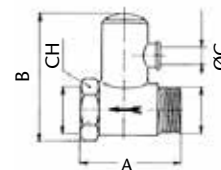


702

VÁLVULA DE SEGURIDAD PARA TERMO M-H



PN 16.
Latón niquelado según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Incluye válvula antirretorno.



| | Ø | TARADA bar | A mm. | B mm. | CH mm. | C mm. | | COD. | € |
|--|------|------------|-------|-------|--------|-------|--------|----------|------|
| | 1/2" | 8,5 | 40 | 49 | 25 | 6 | 250 25 | VS702003 | 3,40 |
| | 3/4" | 8,5 | 53 | 62 | 30 | 8 | 90 10 | VS702004 | 7,30 |

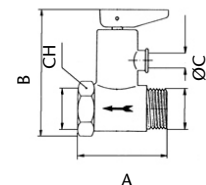


703

VÁLVULA DE SEGURIDAD PARA TERMO CON PALANCA M-H



PN 16.
Latón niquelado según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Incluye válvula antirretorno.



| | Ø | TARADA bar | A mm. | B mm. | CH mm. | C mm. | | COD. | € |
|--|------|------------|-------|-------|--------|-------|--------|----------|------|
| | 1/2" | 8,5 | 40 | 59 | 25 | 6 | 180 20 | VS703003 | 4,35 |
| | 3/4" | 8,5 | 53 | 71 | 30 | 8 | 90 10 | VS703004 | 8,25 |

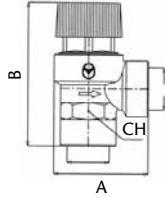


705

VÁLVULA DE SEGURIDAD DE MEMBRANA H-H



PN 10.
Latón según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Obturador y membrana en EPDM.



| Ø | TARADA bar | A mm. | B mm. | CH mm. | | COD. | € |
|------|------------|-------|-------|--------|--------|----------|------|
| 1/2" | 3 | 42 | 66 | 25 | 108 12 | VS705033 | 6,05 |
| 1/2" | 7 | 42 | 66 | 25 | 108 12 | VS705073 | 6,05 |

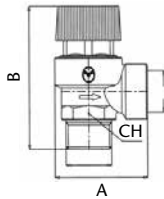


706

VÁLVULA DE SEGURIDAD DE MEMBRANA M-H



PN 10.
Latón según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Obturador y membrana en EPDM.



| Ø | TARADA bar | A mm. | B mm. | CH mm. | | COD. | € |
|------|------------|-------|-------|--------|--------|----------|------|
| 1/2" | 3 | 42 | 66 | 25 | 108 12 | VS706033 | 6,05 |
| 1/2" | 7 | 42 | 66 | 25 | 108 12 | VS706073 | 6,05 |

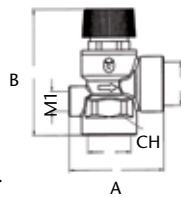


707

VÁLVULA DE SEGURIDAD DE MEMBRANA M-H CON TOMA MANÓMETRO



PN 10.
Latón según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Obturador y membrana en EPDM.
Conexión manómetro 1/4".



| Ø | TARADA bar | A mm. | B mm. | CH mm. | | COD. | € |
|------|------------|-------|-------|--------|-------|----------|------|
| 1/2" | 3 | 50 | 74 | 25 | 90 10 | VS707033 | 7,80 |

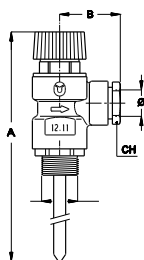


709

VÁLVULA DE SEGURIDAD DOBLE FUNCIÓN TEMPERATURA-PRESIÓN



PN 10.
Latón según EN 12165.
Rosca gas, ISO 228/1.
Temp. máxima 120° C.
Obturador y membrana en EPDM.
La válvula abre a 90° C o a 3 bar.
Capacidad de descarga:
Ø 15 - 10 kW,
Ø 22 - 25 kW



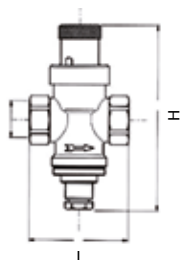
| Ø | TARADA bar | A mm. | B mm. | CH mm. | | COD. | € |
|--------------|------------|-------|-------|--------|------|----------|-------|
| 1/2" M x Ø15 | 3 | 186 | 35 | 21 | 24 1 | VS709335 | 30,40 |
| 3/4" M x Ø22 | 3 | 192 | 39 | 27 | 24 1 | VS709342 | 46,40 |

REDUCTORES DE PRESIÓN



140

REDUCTOR DE PRESIÓN A PISTÓN PN15



PN 15.

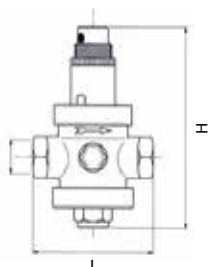
Latón niquelado según EN 12165.
Extremos rosca gas, H/H, ISO 228/1.
Temp. máxima 80° C.
Asiento en latón.
Regulación de 1 a 4 bar.
Preparado a 3 bar.

| Ø | H mm. | L mm. | | COD. | € |
|------|-------|-------|------|----------|-------|
| 1/2" | 112 | 60 | 50 1 | RP140003 | 14,35 |
| 3/4" | 113 | 60 | 50 1 | RP140004 | 15,05 |



143

REDUCTOR DE PRESIÓN A PISTÓN PN 25



PN 25.

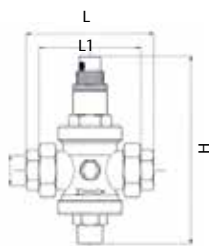
Latón según EN 12165.
Extremos rosca gas, H/H, ISO 228/1.
Temp. máxima 80° C.
Asiento en acero inoxidable AISI 303.
Regulación de 0,5 a 6 bar.
Preparado a 3 bar.

| Ø | H mm. | L mm. | | COD. | € |
|--------|-------|-------|------|----------|--------|
| 1/2" | 120 | 75 | 25 1 | RP143003 | 23,45 |
| 3/4" | 150 | 85 | 20 1 | RP143004 | 37,55 |
| 1" | 160 | 89 | 15 1 | RP143005 | 43,85 |
| 1 1/4" | 220 | 125 | 6 1 | RP143006 | 92,15 |
| 1 1/2" | 220 | 130 | 6 1 | RP143007 | 95,35 |
| 2" | 250 | 138 | 4 1 | RP143008 | 152,00 |
| 2 1/2" | 260 | 145 | 4 1 | RP14300A | 217,00 |
| 3" | 285 | 177 | 3 1 | RP14300B | 320,80 |
| 4" | 310 | 190 | 2 1 | RP14300C | 824,85 |



146

REDUCTOR DE PRESIÓN A PISTÓN CON RACOR PN 25



PN 25.

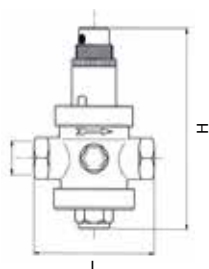
Latón según EN 12165.
Extremos rosca gas, H/H, ISO 228/1.
Temp. máxima 80° C.
Asiento en acero inoxidable AISI 303.
Regulación de 0,5 a 6 bar.
Preparado a 3 bar.

| Ø | H mm. | L mm. | L1 mm. | | COD. | € |
|--------|-------|-------|--------|------|----------|--------|
| 1/2" | 120 | 112 | 75 | 20 1 | RP146003 | 29,35 |
| 3/4" | 160 | 135 | 88 | 10 1 | RP146004 | 51,50 |
| 1" | 166 | 140 | 93 | 10 1 | RP146005 | 54,90 |
| 1 1/4" | 220 | 170 | 110 | 6 1 | RP146006 | 101,75 |
| 1 1/2" | 220 | 175 | 110 | 6 1 | RP146007 | 109,10 |
| 2" | 250 | 200 | 130 | 3 1 | RP146008 | 177,25 |



148

REDUCTOR DE PRESIÓN A PISTÓN PN 40



PN 40.

Latón según EN 12165.
Extremos rosca gas, H/H, ISO 228/1.
Temp. máxima 80° C.
Asiento en acero inoxidable AISI 303.
Regulación de 1 a 8 bar.
Preparado a 3 bar.

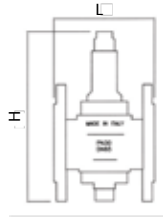
| Ø | H mm. | L mm. | | COD. | € |
|--------|-------|-------|------|----------|--------|
| 1/2" | 143 | 75 | 25 1 | RP148003 | 43,95 |
| 3/4" | 174 | 85 | 20 1 | RP148004 | 58,50 |
| 1" | 180 | 91 | 15 1 | RP148005 | 73,75 |
| 1 1/4" | 220 | 116 | 6 1 | RP148006 | 135,50 |
| 1 1/2" | 220 | 125 | 6 1 | RP148007 | 181,80 |
| 2" | 250 | 140 | 4 1 | RP148008 | 241,00 |
| 2 1/2" | 260 | 145 | 4 1 | RP14800A | 277,20 |




149

REDUCTOR DE PRESIÓN A PISTÓN PN 30 - BRIDADO

PN 30.
Bridas PN 16.
Cuerpo de bronce UNI EN 1982
Cierre de acero inoxidable AISI 303.
Juntas tóricas de NBR.
Temp. máxima 80° C.
Regulación de 1,5 a 7 bar.
Preparado a 3 bar.



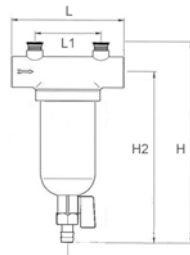
| DN | H mm. | L mm. |  | | COD. | € |
|-----|-------|-------|---|---|----------|----------|
| 50 | 250 | 165 | 2 | 1 | RP149050 | 788,60 |
| 65 | 260 | 170 | 2 | 1 | RP149065 | 915,55 |
| 80 | 285 | 172 | 2 | 1 | RP149080 | 1.061,70 |
| 100 | 340 | 200 | 1 | 1 | RP149100 | 1.235,85 |




156

FILTRO AUTOLIMPIABLE TAMIZ 100 MICRAS

PN 25.
Latón según EN 12165.
Extremos Rosca Gas, H/H, ISO 228/1.
Temp. máxima 130° C.
Toma manómetro en entrada y salida.
Grifo para limpieza de 3/8".
Tamiz en Acero Inox AISI304 de 100 micras.
Disponble tamiz de 300 micras.



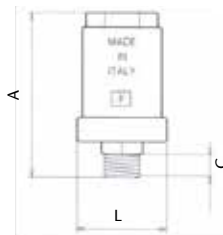
| Ø | L mm. | L1 mm. | H mm. | H2 mm. |  | | COD. | € |
|--------|-------|--------|-------|--------|---|---|----------|--------|
| 1/2" | 118 | 70 | 196 | 165 | 10 | 1 | RP156003 | 60,85 |
| 3/4" | 118 | 70 | 196 | 165 | 10 | 1 | RP156004 | 60,85 |
| 1" | 123 | 72 | 220 | 180 | 6 | 1 | RP156005 | 78,25 |
| 1 1/4" | 123 | 72 | 220 | 180 | 6 | 1 | RP156006 | 78,25 |
| 1 1/2" | 153 | 98 | 258 | 214 | 6 | 1 | RP156007 | 102,05 |
| 2" | 153 | 98 | 258 | 214 | 6 | 1 | RP156008 | 102,05 |




145

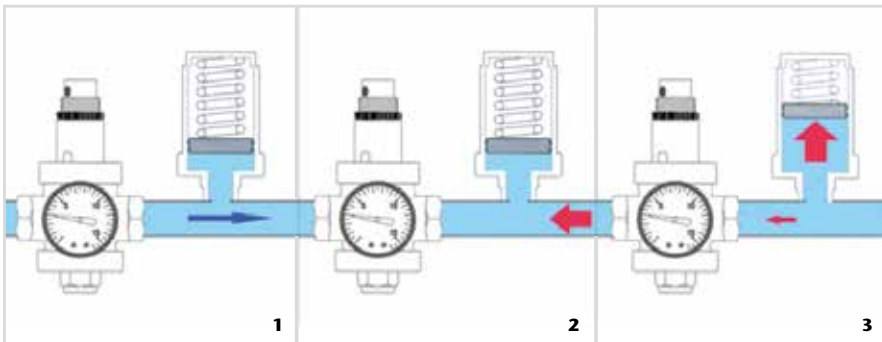
AMORTIGUADOR ANTI GOLPE DE ARIETE

PN 10.
Latón según EN 12165.
Rosca Gas M, ISO 228/1.
Temp. máxima 130° C.
Muelle de acero inoxidable.
Presión máxima de retorno 40 bar.



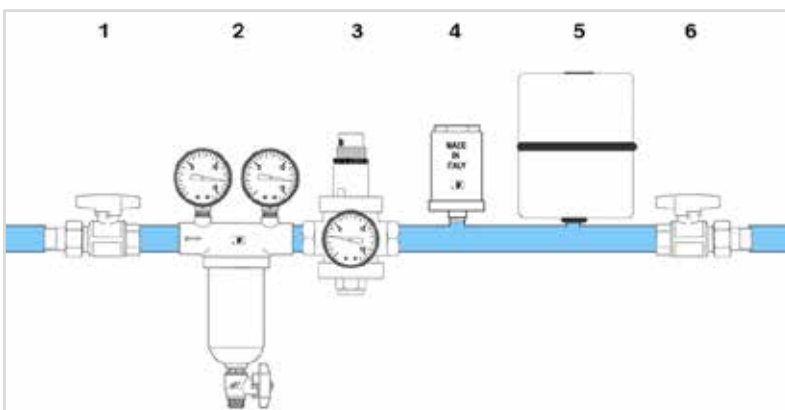
| Ø | L mm. | A mm. | C mm. |  | | COD. | € |
|------|-------|-------|-------|---|---|----------|-------|
| 1/2" | 51 | 93 | 12 | 50 | 1 | RP145003 | 16,35 |

FUNCIONAMIENTO DEL AMORTIGUADOR EN CASO DE GOLPE DE ARIETE



1. Funcionamiento normal.
2. Llegada del golpe de ariete.
3. Absorción del golpe de ariete.

INSTALACIÓN CORRECTA



1. Válvula de bola.
2. Filtro autolimpiable.
3. Reductor de presión.
4. Anti golpe de ariete.
5. Vaso de expansión.
6. Válvula de bola.

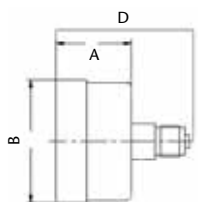
MANÓMETROS



400

MANÓMETRO Ø 50

Caja de Acero Negro.
Interiores y racor en latón.
Rosca macho 1/4".
Conexión posterior.
Doble escala: bar/psi.
Fabricados según Norma EN 837-1.
Precisión CL. 1,6.



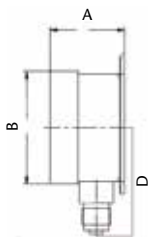
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|-------|----------|------|
| 0 - 2 | 29 | 54 | 47 | 125 1 | VS400002 | 3,30 |
| 0 - 4 | 29 | 54 | 47 | 125 1 | VS400004 | 3,30 |
| 0 - 6 | 29 | 54 | 47 | 125 1 | VS400006 | 3,30 |
| 0 - 10 | 29 | 54 | 47 | 125 1 | VS400010 | 3,30 |
| 0 - 16 | 29 | 54 | 47 | 125 1 | VS400016 | 3,30 |



410

MANÓMETRO Ø 50

Caja de Acero Negro.
Interiores y racor en latón.
Rosca macho 1/4".
Conexión inferior.
Doble escala: bar/psi.
Fabricados según Norma EN 837-1.
Precisión CL. 1,6.



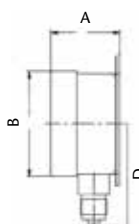
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|-------|----------|------|
| 0 - 2 | 29 | 54 | 45 | 180 1 | VS410002 | 3,30 |
| 0 - 4 | 29 | 54 | 45 | 180 1 | VS410004 | 3,30 |
| 0 - 6 | 29 | 54 | 45 | 180 1 | VS410006 | 3,30 |
| 0 - 10 | 29 | 54 | 45 | 180 1 | VS410010 | 3,30 |
| 0 - 16 | 29 | 54 | 45 | 180 1 | VS410016 | 3,30 |



420

MANÓMETRO Ø 63

Caja de Acero Negro.
Interiores y racor en latón.
Rosca macho 1/4".
Conexión inferior.
Doble escala: bar/psi.
Fabricados según Norma EN 837-1.
Precisión CL. 1,6.



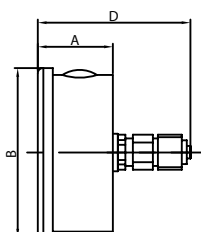
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|-------|----------|------|
| 0 - 2 | 30 | 63 | 52 | 120 1 | VS420002 | 3,50 |
| 0 - 4 | 30 | 63 | 52 | 120 1 | VS420004 | 3,50 |
| 0 - 6 | 30 | 63 | 52 | 120 1 | VS420006 | 3,50 |
| 0 - 10 | 30 | 63 | 52 | 120 1 | VS420010 | 3,50 |
| 0 - 16 | 30 | 63 | 52 | 120 1 | VS420016 | 3,50 |



432

MANÓMETRO CON GLICERINA Ø 63

Caja de Acero Inox. AISI 304.
Interiores y racor en latón.
Rosca macho 1/4".
Conexión posterior.
Doble escala: bar/psi.
Fabricados según Norma EN 837-1.
Precisión CL. 1,6.



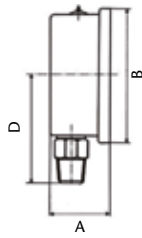
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|------|----------|------|
| 0 - 2 | 30 | 68 | 61 | 64 1 | VS432002 | 7,65 |
| 0 - 4 | 30 | 68 | 61 | 64 1 | VS432004 | 7,65 |
| 0 - 6 | 30 | 68 | 61 | 64 1 | VS432006 | 7,65 |
| 0 - 10 | 30 | 68 | 61 | 64 1 | VS432010 | 7,65 |
| 0 - 16 | 30 | 68 | 61 | 64 1 | VS432016 | 7,65 |
| 0 - 25 | 30 | 68 | 61 | 64 1 | VS432025 | 7,65 |
| 0 - 60 | 30 | 68 | 61 | 64 1 | VS432060 | 7,65 |
| 0 - 100 | 30 | 68 | 61 | 64 1 | VS432100 | 7,65 |



430

MANÓMETRO CON GLICERINA Ø 63

Caja de Acero Inox. AISI 304.
 Interiores y racor en latón.
 Rosca macho 1/4".
 Conexión inferior.
 Doble escala: bar/psi.
 Fabricados según Norma EN 837-1.
 Precisión CL. 1,6.



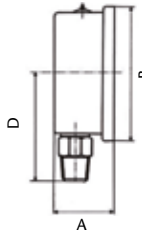
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|-------|----------|------|
| 0 - 2 | 30 | 68 | 55 | 100 1 | VS430002 | 7,65 |
| 0 - 4 | 30 | 68 | 55 | 100 1 | VS430004 | 7,65 |
| 0 - 6 | 30 | 68 | 55 | 100 1 | VS430006 | 7,65 |
| 0 - 10 | 30 | 68 | 55 | 100 1 | VS430010 | 7,65 |
| 0 - 16 | 30 | 68 | 55 | 100 1 | VS430016 | 7,65 |
| 0 - 25 | 30 | 68 | 55 | 100 1 | VS430025 | 7,65 |
| 0 - 60 | 30 | 68 | 55 | 100 1 | VS430060 | 7,65 |
| 0 - 100 | 30 | 68 | 55 | 100 1 | VS430100 | 7,65 |



440

MANÓMETRO CON GLICERINA Ø 100

Caja de Acero Inox. AISI 304.
 Interiores y racor en latón.
 Rosca macho 1/2".
 Conexión inferior.
 Doble escala: bar/psi.
 Fabricados según Norma EN 837-1.
 Precisión CL. 1,6.



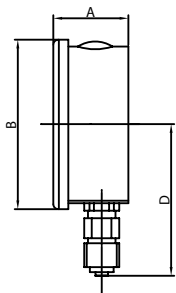
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|------|----------|-------|
| 0 - 2 | 36 | 109 | 83 | 36 1 | VS440002 | 15,35 |
| 0 - 4 | 36 | 109 | 83 | 36 1 | VS440004 | 15,35 |
| 0 - 6 | 36 | 109 | 83 | 36 1 | VS440006 | 15,35 |
| 0 - 10 | 36 | 109 | 83 | 36 1 | VS440010 | 15,35 |
| 0 - 16 | 36 | 109 | 83 | 36 1 | VS440016 | 15,35 |
| 0 - 25 | 36 | 109 | 83 | 36 1 | VS440025 | 15,35 |
| 0 - 60 | 36 | 109 | 83 | 36 1 | VS440060 | 15,35 |
| 0 - 100 | 36 | 109 | 83 | 36 1 | VS440100 | 15,35 |



431

MANÓMETRO CON GLICERINA Ø 63

Caja de Acero Inox. AISI 304.
 Interiores y racor en Acero Inox. AISI 304.
 Rosca macho 1/4".
 Conexión inferior.
 Doble escala: bar/psi.
 Fabricados según Norma EN 837-1.
 Precisión CL. 1,6.



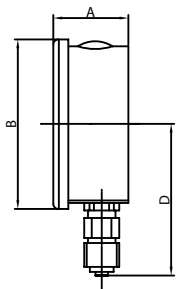
| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|-------|----------|-------|
| 0 - 2 | 30 | 68 | 60 | 100 1 | VS431002 | 15,70 |
| 0 - 4 | 30 | 68 | 60 | 100 1 | VS431004 | 15,70 |
| 0 - 6 | 30 | 68 | 60 | 100 1 | VS431006 | 15,70 |
| 0 - 10 | 30 | 68 | 60 | 100 1 | VS431010 | 15,70 |
| 0 - 16 | 30 | 68 | 60 | 100 1 | VS431016 | 15,70 |
| 0 - 25 | 30 | 68 | 60 | 100 1 | VS431025 | 15,70 |
| 0 - 60 | 30 | 68 | 60 | 100 1 | VS431060 | 15,70 |
| 0 - 100 | 30 | 68 | 60 | 100 1 | VS431100 | 15,70 |



441

MANÓMETRO CON GLICERINA Ø 100

Caja de Acero Inox. AISI 304.
 Interiores y racor en Acero Inox. AISI 304.
 Rosca macho 1/2".
 Conexión inferior.
 Doble escala: bar/psi.
 Fabricados según Norma EN 837-1.
 Precisión CL. 1,6.



| RANGO PRESIÓN | A mm. | B mm. | D mm. | | COD. | € |
|---------------|-------|-------|-------|------|----------|-------|
| 0 - 6 | 36 | 109 | 85 | 36 1 | VS441006 | 25,55 |
| 0 - 10 | 36 | 109 | 85 | 36 1 | VS441010 | 25,55 |
| 0 - 16 | 36 | 109 | 85 | 36 1 | VS441016 | 25,55 |
| 0 - 25 | 36 | 109 | 85 | 36 1 | VS441025 | 25,55 |
| 0 - 60 | 36 | 109 | 85 | 36 1 | VS441060 | 25,55 |
| 0 - 100 | 36 | 109 | 85 | 36 1 | VS441100 | 25,55 |

SELLANTES

A90

SELLANTE ANAERÓBICO AL PTFE PARA UNIONES METÁLICAS



| | COD. | € |
|---|----------|-------|
| 6 | TLA90000 | 13,65 |

CARACTERÍSTICAS

Contenido del envase: 50 ml e.
 Válido para agua fría y agua caliente.
 Cumple la norma EN 751-1 para gases combustibles.
 Aprobado por DVGW.
 Temperatura de trabajo: -50° C a 150° C.
 Absorbe vibraciones.
 Previene la corrosión.
 Por su contenido en PTFE, lubrica la unión.
 Permite el desmontado de la unión con herramientas normales.
 Almacenaje entre 5° C y 28° C, alejado de la luz solar directa.

BENEFICIOS

Permite un test rápido de instalaciones.
 Directamente del envase, sin mancharse.
 Dosificador fino, poca cantidad.
 Sella mediante simple apriete.
 El sellado dura mientras no se desmonte.
 Permite llenar holguras hasta de 0.35 mm.

TEFLON

CINTA DE PTFE



| Ø | DENSIDAD g/cm ³ | | COD. | € |
|---------------------------|----------------------------|--------|----------|------|
| 0,1 mm. x 12 mm. x 12 mts | 0,3 | 350 10 | TC001212 | 0,36 |
| 0,1 mm. x 25 mm. x 50 mts | 0,3 | 60 5 | TC002550 | 2,80 |
| 0,1 mm. x 19 mm. x 50 mts | 0,3 | 80 5 | TC001950 | 2,30 |
| 0,2 mm. x 19 mm. x 15 mts | 0,3 | 100 5 | TC001915 | 1,45 |
| 0,1 mm. x 12 mm. x 10 mts | 1,0 | 250 10 | TCG01210 | 0,75 |

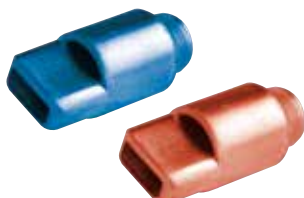


Recomendado para el sellado de tuberías y accesorios roscados.

Especial GAS
 DVGW CERT ZP 5143
 DIN 30660

TAPONES

PARA PRUEBAS DE INSTALACIONES



| Ø | COLOR | | COD. | € |
|-------|-------|--------|----------|------|
| 1/2 " | Azul | 600 20 | RAFUTPAZ | 0,35 |
| 1/2 " | Rojo | 600 20 | RAFUTPRO | 0,35 |

Tapón para pruebas de instalaciones y depósitos.
 Fabricado en ABS.
 Válido solamente para pruebas de instalación y con agua fría.
 Juntas de estanqueidad en poliéster.
 Suministrado en bolsas de 20 tapones y 40 juntas de estanqueidad.

ACCESORIOS



55R-54R
55-54 MANETA

| Ø | COD. ROJO | COD. AZUL | € |
|-------------|-----------|-----------|------|
| 1/2" | VSR55M03 | VS055M03 | 0,45 |
| 3/4" | VSR55M04 | VS055M04 | 0,55 |
| 1" | VSR55M05 | VS055M05 | 0,90 |
| 1 1/4" | VSR55M06 | VS055M06 | 1,20 |
| 1 1/2" | VSR55M07 | VS055M07 | 1,55 |
| 2" | VSR55M08 | VS055M08 | 1,75 |
| 2 1/2" - 3" | VSR55MAB | VS055MAB | 6,75 |
| 4" | VSR55MOC | VS055MOC | 6,75 |



50-56
40-46 MANETA

| Ø | COD. ROJO | COD. AZUL | € |
|-------------|-----------|-----------|------|
| 1/4" - 1/2" | VS050M13 | VS040M13 | 0,45 |
| 3/4" | VS050M04 | VS040M04 | 0,55 |
| 1" | VS050M05 | VS040M05 | 0,90 |
| 1 1/4" | VS050M06 | VS040M06 | 1,55 |
| 1 1/2" - 2" | VS050M78 | VS040M78 | 1,65 |
| 2 1/2" - 3" | VS050MAB | VS040MAB | 6,05 |
| 4" | VS050M0D | VS040M0D | 7,35 |



10 MANETA

| Ø | COD. | € |
|-----------------|----------|------|
| 1/2" - 3/4" | VS010M34 | 1,60 |
| 1" | VS010M05 | 2,90 |
| 1 1/4" - 1 1/2" | VS010M67 | 5,30 |
| 2" | VS010M08 | 6,20 |



355R-354R
355-354 MARIPOSA

| Ø | COD. ROJO | COD. AZUL | € |
|-----------|-----------|-----------|------|
| 1/2"-3/4" | VSR35M34 | VS355M34 | 0,55 |
| 1" | VSR35M05 | VS355M05 | 0,90 |



350-356
340-346 MARIPOSA

| Ø | COD. ROJO | COD. AZUL | € |
|-----------|-----------|-----------|------|
| 3/8"-3/4" | VS350M24 | VS340M24 | 0,55 |
| 1" | VS350M05 | VS340M05 | 0,90 |



30/S MANETA

| Ø | COD. | € |
|---------------|----------|------|
| 1/2" - 3/4" | VS30SM34 | 0,50 |
| 1" | VS30SM05 | 0,90 |
| 1 1/4"-1 1/2" | VS30SM67 | 1,60 |
| 2" | VS30SM08 | 2,20 |



43 MANETA

| Ø | COD. | € |
|-----------|----------|------|
| 1/2"-3/4" | VS043M34 | 1,45 |
| 1" | VS043M05 | 1,95 |



44 MANETA

| Ø | COD. | € |
|-------------|----------|------|
| 1/2" - 3/4" | VS044M34 | 0,80 |
| 1" | VS044M05 | 1,45 |



45 MANETA

| Ø | COD. | € |
|-------------|----------|------|
| 1/2" - 3/4" | VS045M34 | 0,45 |
| 1" | VS045M05 | 0,80 |



173 VOLANTE

| Ø | COD. | € |
|-------------|----------|------|
| 1/2" - 3/4" | VS173V34 | 0,80 |
| 1" - 1 1/4" | VS173V56 | 1,25 |
| 1 1/2" - 2" | VS173V78 | 2,35 |



205 MALLA

| Ø | COD. | € |
|--------|----------|------|
| 1/2" | VS205M33 | 0,50 |
| 3/4" | VS205M34 | 0,55 |
| 1" | VS205M35 | 0,80 |
| 1/2" | VS205M03 | 0,45 |
| 3/4" | VS205M04 | 0,50 |
| 1" | VS205M05 | 0,75 |
| 1 1/4" | VS205M06 | 0,80 |
| 1 1/2" | VS205M07 | 0,95 |
| 2" | VS205M08 | 1,25 |
| 2 1/2" | VS205M0A | 2,25 |
| 3" | VS205M0B | 3,25 |
| 4" | VS205M0C | 4,45 |

300 µm 500 µm 1200 µm



205 JUNTA

| Ø | COD. | € |
|------|----------|------|
| 1/2" | VS205J03 | 0,20 |
| 3/4" | VS205J04 | 0,25 |
| 1" | VS205J05 | 0,30 |



RACOR RÁPIDO
MANGUERA

| Ø | | COD. | € |
|------|--------|----------|------|
| 3/4" | 400 40 | VS046RR4 | 1,55 |
| 1" | 300 30 | VS046RR5 | 2,05 |



150 VOLANTE

| Ø | COD. | € |
|-------------|----------|------|
| 1/2" - 3/4" | VS150V34 | 0,60 |
| 1" - 1 1/4" | VS150V56 | 0,65 |
| 1 1/2" - 2" | VS150V78 | 1,20 |
| 2 1/2" | VS150V0A | 3,05 |
| 3" | VS150V0B | 4,45 |
| 4" | VS150V0C | 5,55 |



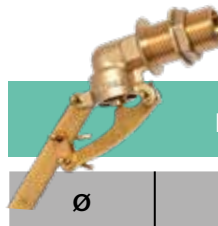
RACOR
PORTAMANGUERA

| Ø | | COD. | € |
|--------|--------|----------|------|
| 3/4" | 140 20 | VS046RP4 | 0,65 |
| 1" | 60 15 | VS046RP5 | 1,15 |
| 1 1/4" | 30 10 | VS046RP6 | 1,75 |

FLOTADORES Y BOYAS

FLOTADOR CON VARILLA ROSCADA

| Ø | ROSCA VARILLA | | COD. | € |
|--------|---------------|------|----------|-------|
| 3/8" | 3/16 | 50 5 | VS91LR02 | 7,20 |
| 1/2" | 6/100 | 50 5 | VS91LR03 | 6,80 |
| 3/4" | 7/100 | 50 5 | VS91LR04 | 9,90 |
| 1" | 8/100 | 25 5 | VS91LR05 | 15,45 |
| 1 1/4" | 9/100 | 10 1 | VS91LR06 | 34,95 |
| 1 1/2" | 9/100 | 10 1 | VS91LR07 | 45,30 |
| 2" | 9/100 | 6 1 | VS91LR08 | 77,60 |


FLOTADOR CON VARILLA PLANA

| Ø | | COD. | € |
|--------|------|----------|-------|
| 1/2" | 50 5 | VS91LP03 | 8,30 |
| 3/4" | 50 5 | VS91LP04 | 11,35 |
| 1" | 25 5 | VS91LP05 | 16,45 |
| 1 1/4" | 10 1 | VS91LP06 | 38,85 |
| 1 1/2" | 10 1 | VS91LP07 | 48,40 |
| 2" | 6 1 | VS91LP08 | 81,75 |


BOYA DE COBRE PARA FLOTADOR DE VARILLA PLANA

| Ø | DIÁMETRO cm | | COD. | € |
|--------|-------------|------|----------|-------|
| 1/2" | 12 | 50 1 | VS92CP03 | 21,95 |
| 3/4" | 15 | 24 1 | VS92CP04 | 27,00 |
| 1" | 17 | 18 1 | VS92CP05 | 32,45 |
| 1 1/4" | 20 | 18 1 | VS92CP06 | 51,15 |
| 1 1/2" | 23 | 24 1 | VS92CP07 | 53,10 |
| 2" | 25 | 24 1 | VS92CP08 | 64,35 |


FLOTADOR CON VARILLA ROSCADA Y ARTICULADA

| Ø | ROSCA VARILLA | | COD. | € |
|------|---------------|------|----------|-------|
| 1/2" | 6/100 | 50 5 | VS91LA03 | 7,75 |
| 3/4" | 7/100 | 50 5 | VS91LA04 | 10,90 |
| 1" | 8/100 | 25 5 | VS91LA05 | 16,55 |


BOYA DE PLÁSTICO ESFÉRICA PARA FLOTADOR DE VARILLA ROSCADA

| Ø | DIÁMETRO cm | ROSCA | | COD. | € |
|-----------------|-------------|-------|-------|----------|------|
| 3/8" | 9 | 3/16 | 200 1 | VS92PE02 | 1,20 |
| 1/2" | 11 | 6/100 | 110 1 | VS92PE03 | 2,55 |
| 3/4" | 13 | 7/100 | 65 1 | VS92PE04 | 2,90 |
| 1" | 15 | 8/100 | 30 1 | VS92PE05 | 3,80 |
| 1 1/4" - 1 1/2" | 20 | 9/100 | 18 1 | VS92PE06 | 5,90 |
| 2" | 23 | 9/100 | 12 1 | VS92PE08 | 7,75 |


BOYA DE PLÁSTICO MIXTA PARA FLOTADOR

| Ø | DIÁMETRO cm | ROSCA | | COD. | € |
|-----------------|-------------|-------|-------|----------|-------|
| 1/2" | 12 | 6/100 | 120 1 | VS92PM03 | 5,55 |
| 3/4" | 12 | 7/100 | 120 1 | VS92PM04 | 5,55 |
| 1" | 15 | 8/100 | 60 1 | VS92PM05 | 6,60 |
| 1 1/4" - 1 1/2" | 20 | 9/100 | 25 1 | VS92PM06 | 10,05 |
| 2" | 25 | 9/100 | 13 1 | VS92PM08 | 13,95 |


GOMA DEL PISTÓN

| Ø | | COD. | € |
|--------|----|----------|------|
| 3/8" | 10 | VS93GP02 | 0,65 |
| 1/2" | 10 | VS93GP03 | 0,80 |
| 3/4" | 10 | VS93GP04 | 0,80 |
| 1" | 10 | VS93GP05 | 0,90 |
| 1 1/4" | 10 | VS93GP06 | 0,90 |
| 1 1/2" | 10 | VS93GP07 | 1,25 |
| 2" | 10 | VS93GP08 | 1,75 |

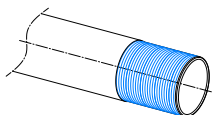

PASADOR PARA FLOTADOR

| Ø | | COD. | € |
|-----------------|----|----------|------|
| 3/8" y 1/2" | 10 | VS93PA02 | 0,20 |
| 3/4" y 1" | 10 | VS93PA04 | 0,20 |
| 1 1/4" y 1 1/2" | 10 | VS93PA06 | 0,45 |
| 2" | 10 | VS93PA08 | 0,95 |

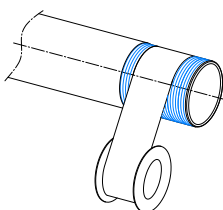
INSTRUCCIONES DE MONTAJE

Asegúrese que la válvula se adecua a las condiciones de servicio: naturaleza del fluido, presión, temperatura.

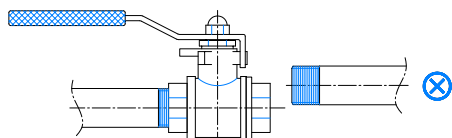
Compruebe que la rosca de la tubería está perfectamente limpia y definida.



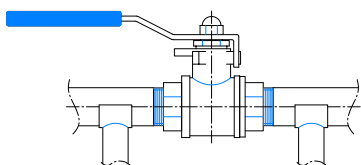
Indispensable la utilización de un sellante (cinta teflón o similar) en la rosca macho para obtener una estanqueidad perfecta.



Revisar la alineación de las tuberías. La válvula no absorbe las diferencias. Las distorsiones resultantes de una incorrecta alineación pueden causar problemas de sellado, dificultades al maniobrar y hasta roturas.



Los tubos que se unen a la válvula deben estar perfectamente sujetos.



NOTA: El diseño de la instalación debe evitar todo tipo de tensiones para no dañar a la válvula y mantenerla operativa en todo momento.

CONSIDERACIONES IMPORTANTES

Las válvulas de bola deben permanecer totalmente abiertas o totalmente cerradas. La transición de una posición a la otra debe realizarse con suavidad para no generar perturbaciones bruscas, golpes de ariete.

Deben efectuarse maniobras del dispositivo de apertura – cierre de la válvula aproximadamente cada dos meses, incrementándose esta frecuencia cuando existan aguas duras o deposiciones.

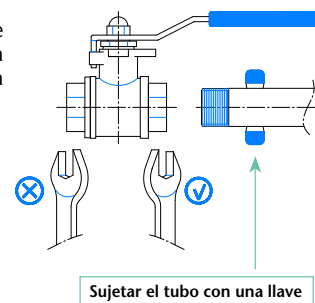
Cuando la válvula ofrezca mucha resistencia a su apertura o cierre, deberá maniobrarse utilizando un tubo de longitud suficiente a modo de prolongador de la maneta.

Para instalaciones temporalmente fuera de servicio, se recomienda cerrar las conexiones y proceder a su vaciado.

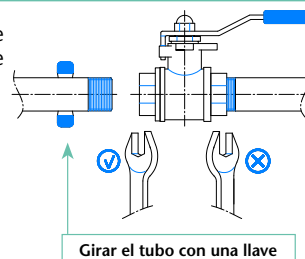
No apretar nunca una válvula en un tornillo de banco, ni usar extensiones de llave. Podrían causar roturas o deformaciones en la válvula.

A la hora de unir el tubo y la válvula, la llave fija o inglesa debe colocarse en el hexágono del lado correcto de la válvula, no utilizar otro tipo de llave.

Primer paso: El tubo se mantiene fijo y gira la válvula, colocando la llave en el hexágono del lado a unir.

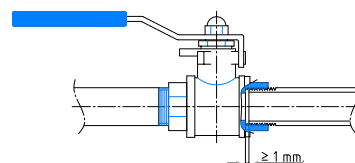


Segundo paso: La válvula se mantiene fija y es el tubo el que gira.



De forma general, no sobrepasar un par de apriete de 30 Nm.

Debido a que normalmente la longitud de la rosca del tubo es mayor que la de la válvula, es indispensable para evitar roturas de la válvula que el extremo del tubo nunca llegue a tocar el fondo de la rosca de la válvula. Mínimo 1 mm.



CONEXIONES FLEXIBLES

DN 8

CONEXIONES FLEXIBLES DE ACERO INOXIDABLE PARA INSTALACIONES SANITARIAS

- Tubo interior de EPDM - Certificado ACS.
- Trenzado en acero inoxidable AISI 304.
- Casquillo de acero inoxidable AISI 304.
- Racores de latón niquelado.
- Junta de EPDM incorporada.
- Cumplen con la norma EN - 13618.
- Producto certificado Aenor.
- Producto certificado CSTBat.

- **Diámetro interior: 8 mm.**
- Diámetro exterior: 12 mm.
- Diámetro de paso: 6 mm.
- Caudal nominal: 30 l./min.
- Radio de curvatura: 30 mm.
- Presión de trabajo: 10 bar.
- Temperatura máxima: 90° C.
- Aptas para agua potable.

Aplicaciones:

Instalaciones sanitarias, lavabos, bidets, inodoros, calentadores, hostelería.



H 3/8" - H 3/8"



M 3/8" - H 3/8"

| LONGITUD mm. | | | COD. | € |
|--------------|-----|---|----------|------|
| 150 | 200 | 5 | H1H2H215 | 1,45 |
| 200 | 100 | 5 | H1H2H220 | 1,55 |
| 250 | 100 | 5 | H1H2H225 | 1,55 |
| 300 | 100 | 5 | H1H2H230 | 1,65 |
| 350 | 100 | 5 | H1H2H235 | 1,70 |
| 400 | 120 | 5 | H1H2H240 | 2,00 |
| 500 | 100 | 5 | H1H2H250 | 2,05 |
| 600 | 100 | 5 | H1H2H260 | 2,35 |
| 800 | 100 | 5 | H1H2H280 | 2,80 |
| 1000 | 50 | 5 | H1H2H299 | 3,35 |

| LONGITUD mm. | | | COD. | € |
|--------------|-----|---|----------|------|
| 150 | 200 | 5 | H1M2H215 | 1,45 |
| 200 | 100 | 5 | H1M2H220 | 1,55 |
| 250 | 100 | 5 | H1M2H225 | 1,55 |
| 300 | 100 | 5 | H1M2H230 | 1,65 |
| 350 | 100 | 5 | H1M2H235 | 1,70 |
| 400 | 120 | 5 | H1M2H240 | 2,00 |
| 500 | 100 | 5 | H1M2H250 | 2,05 |
| 600 | 100 | 5 | H1M2H260 | 2,35 |
| 800 | 100 | 5 | H1M2H280 | 2,80 |
| 1000 | 50 | 5 | H1M2H299 | 3,35 |



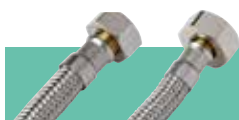
H 1/2" - H 1/2"




M 1/2" - H 1/2"

| LONGITUD mm. | | | COD. | € |
|--------------|-----|---|----------|------|
| 150 | 200 | 5 | H1H3H315 | 1,70 |
| 200 | 100 | 5 | H1H3H320 | 1,80 |
| 250 | 100 | 5 | H1H3H325 | 1,85 |
| 300 | 100 | 5 | H1H3H330 | 1,95 |
| 350 | 100 | 5 | H1H3H335 | 2,05 |
| 400 | 120 | 5 | H1H3H340 | 2,15 |
| 500 | 100 | 5 | H1H3H350 | 2,20 |
| 600 | 100 | 5 | H1H3H360 | 2,50 |
| 800 | 100 | 5 | H1H3H380 | 3,10 |
| 1000 | 50 | 5 | H1H3H399 | 3,45 |

| LONGITUD mm. | | | COD. | € |
|--------------|-----|---|----------|------|
| 150 | 200 | 5 | H1M3H315 | 1,70 |
| 200 | 100 | 5 | H1M3H320 | 1,80 |
| 250 | 100 | 5 | H1M3H325 | 1,85 |
| 300 | 100 | 5 | H1M3H330 | 1,95 |
| 350 | 100 | 5 | H1M3H335 | 2,05 |
| 400 | 120 | 5 | H1M3H340 | 2,15 |
| 500 | 100 | 5 | H1M3H350 | 2,20 |
| 600 | 100 | 5 | H1M3H360 | 2,50 |
| 800 | 100 | 5 | H1M3H380 | 3,10 |
| 1000 | 50 | 5 | H1M3H399 | 3,45 |




H 3/8" - H 1/2"

| LONGITUD mm. |  | | COD. | € |
|--------------|---|---|----------|------|
| 150 | 200 | 5 | H1H2H315 | 1,70 |
| 200 | 100 | 5 | H1H2H320 | 1,80 |
| 250 | 100 | 5 | H1H2H325 | 1,85 |
| 300 | 100 | 5 | H1H2H330 | 1,95 |
| 350 | 100 | 5 | H1H2H335 | 2,05 |
| 400 | 120 | 5 | H1H2H340 | 2,15 |
| 500 | 100 | 5 | H1H2H350 | 2,20 |
| 600 | 100 | 5 | H1H2H360 | 2,50 |
| 800 | 100 | 5 | H1H2H380 | 3,10 |
| 1000 | 50 | 5 | H1H2H399 | 3,45 |




M 1/2" - H 3/8"

| LONGITUD mm. |  | | COD. | € |
|--------------|---|---|----------|------|
| 150 | 200 | 5 | H1M3H215 | 1,70 |
| 200 | 100 | 5 | H1M3H220 | 1,80 |
| 250 | 100 | 5 | H1M3H225 | 1,85 |
| 300 | 100 | 5 | H1M3H230 | 1,95 |
| 350 | 100 | 5 | H1M3H235 | 2,05 |
| 400 | 120 | 5 | H1M3H240 | 2,15 |
| 500 | 100 | 5 | H1M3H250 | 2,20 |
| 600 | 100 | 5 | H1M3H260 | 2,50 |
| 800 | 100 | 5 | H1M3H280 | 3,10 |
| 1000 | 50 | 5 | H1M3H299 | 3,45 |




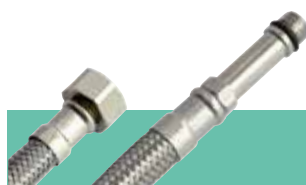
M 3/8" - H 1/2"

| LONGITUD mm. |  | | COD. | € |
|--------------|---|---|----------|------|
| 150 | 200 | 5 | H1M2H315 | 1,70 |
| 200 | 100 | 5 | H1M2H320 | 1,80 |
| 250 | 100 | 5 | H1M2H325 | 1,85 |
| 300 | 100 | 5 | H1M2H330 | 1,95 |
| 350 | 100 | 5 | H1M2H335 | 2,05 |
| 400 | 120 | 5 | H1M2H340 | 2,15 |
| 500 | 100 | 5 | H1M2H350 | 2,20 |
| 600 | 100 | 5 | H1M2H360 | 2,50 |
| 800 | 100 | 5 | H1M2H380 | 3,10 |
| 1000 | 50 | 5 | H1M2H399 | 3,45 |




H 3/8" - M 10x1 L17

| LONGITUD mm. |  | | COD. | € |
|--------------|---|---|----------|------|
| 300 | 100 | 5 | H1H21130 | 2,35 |
| 400 | 120 | 5 | H1H21140 | 2,55 |
| 500 | 100 | 5 | H1H21150 | 2,75 |



H 3/8" - M 10x1 L37

| LONGITUD mm. |  | | COD. | € |
|--------------|---|---|----------|------|
| 300 | 100 | 5 | H1H21330 | 2,65 |
| 400 | 120 | 5 | H1H21340 | 2,85 |
| 500 | 100 | 5 | H1H21350 | 3,10 |

DN 13

CONEXIONES FLEXIBLES DE ACERO INOXIDABLE PARA CALEFACCIÓN Y AIRE ACONDICIONADO.

- Tubo interior de EPDM - Certificado ACS.
- Trenzado en acero inoxidable AISI 304.
- Casquillo de acero inoxidable AISI 304.
- Racores de latón niquelado.
- Junta de EPDM incorporada.
- Cumplen con la norma EN - 13618.
- Producto certificado CSTBat.

- **Diámetro interior: 13 mm.**
- Diámetro exterior: 17 mm.
- Diámetro de paso: 10 mm.
- Caudal nominal: 70 l./min.
- Radio de curvatura: 45 mm.
- Presión de trabajo: 10 bar.
- Temperatura máxima: 90° C.
- Aptas para agua potable.

Aplicaciones:

Calentadores, acumuladores, termos, placas solares, aire acondicionado, lavadoras.



H 1/2" - H 1/2"

| LONGITUD mm. | | | COD. | € |
|--------------|----|---|----------|------|
| 200 | 60 | 5 | H2H3H320 | 3,25 |
| 250 | 50 | 5 | H2H3H325 | 3,50 |
| 300 | 60 | 5 | H2H3H330 | 3,75 |
| 350 | 50 | 5 | H2H3H335 | 4,00 |
| 400 | 70 | 5 | H2H3H340 | 4,35 |
| 500 | 50 | 5 | H2H3H350 | 4,85 |
| 600 | 50 | 5 | H2H3H360 | 5,30 |
| 800 | 50 | 5 | H2H3H380 | 6,40 |
| 1000 | 50 | 5 | H2H3H399 | 7,35 |

M 1/2" - H 1/2"

| LONGITUD mm. | | | COD. | € |
|--------------|----|---|----------|------|
| 200 | 60 | 5 | H2M3H320 | 3,25 |
| 250 | 50 | 5 | H2M3H325 | 3,50 |
| 300 | 60 | 5 | H2M3H330 | 3,75 |
| 350 | 50 | 5 | H2M3H335 | 4,00 |
| 400 | 70 | 5 | H2M3H340 | 4,35 |
| 500 | 50 | 5 | H2M3H350 | 4,85 |
| 600 | 50 | 5 | H2M3H360 | 5,30 |
| 800 | 50 | 5 | H2M3H380 | 6,40 |
| 1000 | 50 | 5 | H2M3H399 | 7,35 |

H 3/4" - H 3/4"

| LONGITUD mm. | | | COD. | € |
|--------------|----|---|----------|------|
| 200 | 50 | 5 | H2H4H420 | 3,70 |
| 250 | 50 | 5 | H2H4H425 | 3,95 |
| 300 | 60 | 5 | H2H4H430 | 4,25 |
| 350 | 50 | 5 | H2H4H435 | 4,45 |
| 400 | 60 | 5 | H2H4H440 | 4,75 |
| 500 | 50 | 5 | H2H4H450 | 5,25 |
| 600 | 50 | 5 | H2H4H460 | 5,80 |
| 800 | 50 | 5 | H2H4H480 | 6,75 |
| 1000 | 50 | 5 | H2H4H499 | 7,80 |

M 3/4" - H 3/4"

| LONGITUD mm. | | | COD. | € |
|--------------|----|---|----------|------|
| 200 | 50 | 5 | H2M4H420 | 3,70 |
| 250 | 50 | 5 | H2M4H425 | 3,95 |
| 300 | 60 | 5 | H2M4H430 | 4,25 |
| 350 | 50 | 5 | H2M4H435 | 4,45 |
| 400 | 60 | 5 | H2M4H440 | 4,75 |
| 500 | 50 | 5 | H2M4H450 | 5,25 |
| 600 | 50 | 5 | H2M4H460 | 5,80 |
| 800 | 50 | 5 | H2M4H480 | 6,75 |
| 1000 | 50 | 5 | H2M4H499 | 7,80 |

H 1/2" - H 3/4"

| LONGITUD mm. | | | COD. | € |
|--------------|----|---|----------|------|
| 250 | 50 | 5 | H2H3H425 | 3,95 |
| 300 | 60 | 5 | H2H3H430 | 4,25 |
| 350 | 50 | 5 | H2H3H435 | 4,45 |
| 400 | 60 | 5 | H2H3H440 | 4,75 |
| 500 | 50 | 5 | H2H3H450 | 5,25 |

M 1/2" - H 3/4"

| LONGITUD mm. | | | COD. | € |
|--------------|----|---|----------|------|
| 250 | 50 | 5 | H2M3H425 | 3,95 |
| 300 | 60 | 5 | H2M3H430 | 4,25 |
| 350 | 50 | 5 | H2M3H435 | 4,45 |
| 400 | 60 | 5 | H2M3H440 | 4,75 |
| 500 | 50 | 5 | H2M3H450 | 5,25 |

DN 19-50

CONEXIONES FLEXIBLES DE ACERO INOXIDABLE PARA BATERÍAS DE CONTADORES Y GRUPOS DE PRESIÓN.

- Tubo interior de EPDM - Certificado ACS.
- Trenzado en acero inoxidable AISI 304.
- Casquillo de acero inoxidable AISI 304 (3/4" y 1").
- Casquillo de aluminio (1 1/4" a 2").
- Racores de latón.
- Junta de EPDM.
- **Presión de trabajo: 16 bar.**
- Temperatura máxima: 90° C.
- Aptas para agua potable.

Aplicaciones:

Baterías de Contadores, grupos de presión, bombas de agua, climatización, aplicaciones industriales.



M 3/4" - H 3/4"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|--|--------------|------|----------|-------|
| Diámetro interior: 19 mm. Diámetro exterior: 27 mm. Diámetro de paso: 15 mm. Caudal nominal: 120 l./min. Radio de curvatura: 80 mm. | 300 | 25 5 | H3M4H430 | 7,20 |
| | 400 | 25 5 | H3M4H440 | 8,10 |
| | 500 | 25 5 | H3M4H450 | 8,35 |
| | 600 | 25 5 | H3M4H460 | 9,45 |
| | 800 | 25 5 | H3M4H480 | 12,45 |
| | 1000 | 25 5 | H3M4H499 | 14,65 |

H 3/4" - H 3/4"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|--|--------------|------|----------|-------|
| Diámetro interior: 19 mm. Diámetro exterior: 27 mm. Diámetro de paso: 15 mm. Caudal nominal: 120 l./min. Radio de curvatura: 80 mm. | 300 | 25 5 | H3H4H430 | 7,20 |
| | 400 | 25 5 | H3H4H440 | 8,10 |
| | 500 | 25 5 | H3H4H450 | 8,35 |
| | 600 | 25 5 | H3H4H460 | 9,45 |
| | 800 | 25 5 | H3H4H480 | 12,45 |
| | 1000 | 25 5 | H3H4H499 | 14,65 |

M 1" - H 1"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 25 mm. Diámetro exterior: 33 mm. Diámetro de paso: 20 mm. Caudal nominal: 200 l./min. Radio de curvatura: 100 mm. | 300 | 25 5 | H3M5H530 | 11,85 |
| | 400 | 25 5 | H3M5H540 | 13,25 |
| | 500 | 25 5 | H3M5H550 | 13,90 |
| | 600 | 15 5 | H3M5H560 | 15,00 |
| | 800 | 15 5 | H3M5H580 | 19,05 |
| | 1000 | 10 5 | H3M5H599 | 23,70 |

H 1" - H 1"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 25 mm. Diámetro exterior: 33 mm. Diámetro de paso: 20 mm. Caudal nominal: 200 l./min. Radio de curvatura: 100 mm. | 300 | 25 5 | H3H5H530 | 11,85 |
| | 400 | 25 5 | H3H5H540 | 13,25 |
| | 500 | 25 5 | H3H5H550 | 13,90 |
| | 600 | 15 5 | H3H5H560 | 15,00 |
| | 800 | 15 5 | H3H5H580 | 19,05 |
| | 1000 | 10 5 | H3H5H599 | 23,70 |

M 1 1/4" - H 1 1/4"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 30 mm. Diámetro exterior: 43 mm. Diámetro de paso: 25 mm. Caudal nominal: 400 l./min. Radio de curvatura: 190 mm. | 300 | 15 5 | H3M6H630 | 21,00 |
| | 400 | 10 5 | H3M6H640 | 24,50 |
| | 500 | 10 5 | H3M6H650 | 28,00 |
| | 600 | 10 5 | H3M6H660 | 31,40 |
| | 800 | 10 5 | H3M6H680 | 38,45 |
| | 1000 | 10 5 | H3M6H699 | 45,45 |

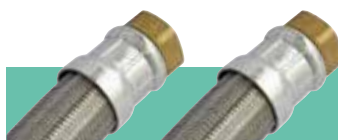
H 1 1/4" - H 1 1/4"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 30 mm. Diámetro exterior: 43 mm. Diámetro de paso: 25 mm. Caudal nominal: 400 l./min. Radio de curvatura: 190 mm. | 300 | 15 5 | H3H6H630 | 21,00 |
| | 400 | 10 5 | H3H6H640 | 24,50 |
| | 500 | 10 5 | H3H6H650 | 28,00 |
| | 600 | 10 5 | H3H6H660 | 31,40 |
| | 800 | 10 5 | H3H6H680 | 38,45 |
| | 1000 | 10 5 | H3H6H699 | 45,45 |



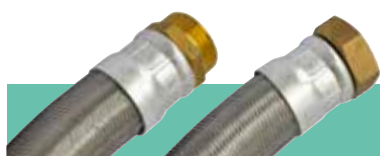
M 1 1/2" - H 1 1/2"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 40 mm. Diámetro exterior: 53 mm. Diámetro de paso: 32 mm. Caudal nominal: 700 l./min. Radio de curvatura: 230 mm. | 300 | 15 5 | H3M7H730 | 33,10 |
| | 400 | 10 5 | H3M7H740 | 37,90 |
| | 500 | 10 5 | H3M7H750 | 42,70 |
| | 600 | 5 5 | H3M7H760 | 47,40 |
| | 800 | 5 5 | H3M7H780 | 57,10 |
| | 1000 | 5 5 | H3M7H799 | 66,45 |



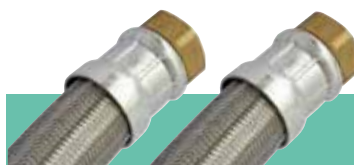
H 1 1/2" - H 1 1/2"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 40 mm. Diámetro exterior: 53 mm. Diámetro de paso: 32 mm. Caudal nominal: 700 l./min. Radio de curvatura: 230 mm. | 300 | 15 5 | H3H7H730 | 33,10 |
| | 400 | 10 5 | H3H7H740 | 37,90 |
| | 500 | 10 5 | H3H7H750 | 42,70 |
| | 600 | 5 5 | H3H7H760 | 47,40 |
| | 800 | 5 5 | H3H7H780 | 57,10 |
| | 1000 | 5 5 | H3H7H799 | 66,45 |



M 2" - H 2"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|--|--------------|------|----------|-------|
| Diámetro interior: 50 mm. Diámetro exterior: 63 mm. Diámetro de paso: 40 mm. Caudal nominal: 1050 l./min. Radio de curvatura: 300 mm. | 300 | 10 5 | H3M8H830 | 52,80 |
| | 400 | 10 5 | H3M8H840 | 58,85 |
| | 500 | 10 5 | H3M8H850 | 65,00 |
| | 600 | 5 5 | H3M8H860 | 71,25 |
| | 800 | 5 5 | H3M8H880 | 83,55 |
| | 1000 | 5 5 | H3M8H899 | 95,30 |



H 2" - H 2"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|--|--------------|------|----------|-------|
| Diámetro interior: 50 mm. Diámetro exterior: 63 mm. Diámetro de paso: 40 mm. Caudal nominal: 1050 l./min. Radio de curvatura: 300 mm. | 300 | 10 5 | H3H8H830 | 52,80 |
| | 400 | 10 5 | H3H8H840 | 58,85 |
| | 500 | 10 5 | H3H8H850 | 65,00 |
| | 600 | 5 5 | H3H8H860 | 71,25 |
| | 800 | 5 5 | H3H8H880 | 83,55 |
| | 1000 | 5 5 | H3H8H899 | 95,30 |



M 1" - CODO H 1"

| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 25 mm. Diámetro exterior: 33 mm. Diámetro de paso: 20 mm. Caudal nominal: 200 l./min. Radio de curvatura: 100 mm. | 600 | 15 5 | H3M5C560 | 19,40 |
| | 800 | 15 5 | H3M5C580 | 21,80 |



M 1 1/4" - CODO H 1 1/4"

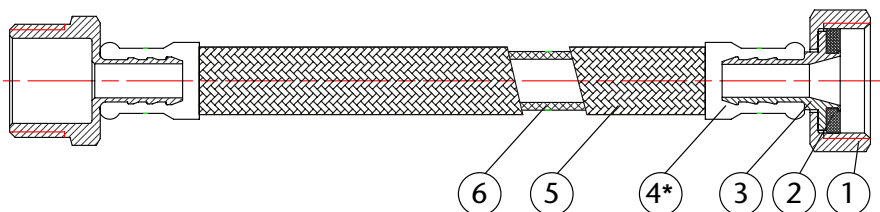
| CARACTERÍSTICAS | LONGITUD mm. | | COD. | € |
|---|--------------|------|----------|-------|
| Diámetro interior: 30 mm. Diámetro exterior: 43 mm. Diámetro de paso: 25 mm. Caudal nominal: 400 l./min. Radio de curvatura: 190 mm. | 600 | 10 5 | H3M6C660 | 37,95 |
| | 800 | 10 5 | H3M6C680 | 41,90 |



JUNTAS DE CAUCHO EPDM PARA CONEXIONES FLEXIBLES

| Ø | | COD. | € |
|--------------|----|----------|------|
| 3/8" | 50 | HJ000002 | 0,06 |
| 1/2" - DN 8 | 50 | HJ000003 | 0,07 |
| 1/2" - DN 13 | 50 | HJ000033 | 0,07 |
| 3/4" | 50 | HJ000004 | 0,09 |
| 1" | 50 | HJ000005 | 0,13 |
| 1 1/4" | 10 | HJ000006 | 0,24 |
| 1 1/2" | 10 | HJ000007 | 0,28 |
| 2" | 10 | HJ000008 | 0,35 |

COMPONENTES DEL SISTEMA

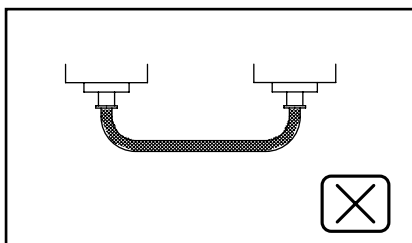
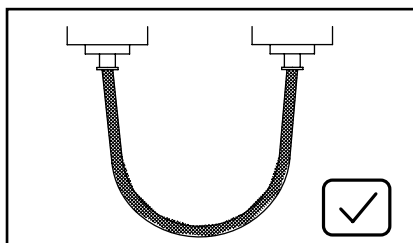


1. Latón niquelado.
2. Junta EPDM.
3. Latón.
4. Acero Inoxidable AISI 304.
- * Aluminio para medidas de 1 1/4" a 2".
5. Acero Inoxidable AISI 304.
6. EPDM.

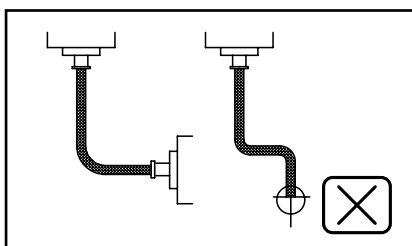
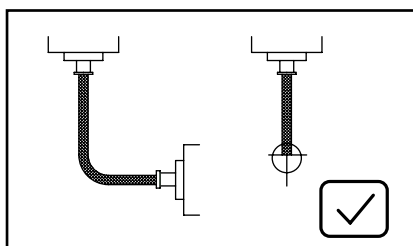
RECOMENDACIONES PARA SU INSTALACIÓN

Antes de utilizar el flexible, verificar que el producto esté en perfectas condiciones.

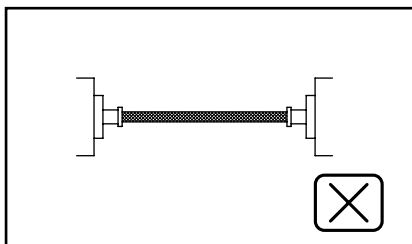
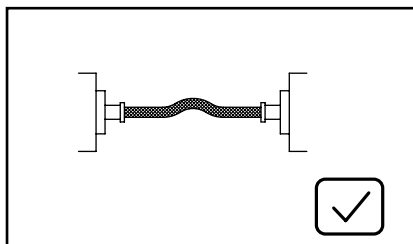
Los flexibles deben instalarse a la vista. No deben atravesar la pared.



Respete el radio de curvatura mínimo para cada diámetro.



Asegure que el flexible no está sometido a ninguna torsión.



Prevea una longitud superior para evitar tensiones.

La responsabilidad del fabricante queda excluida en caso de no respetar las recomendaciones de instalación.

SISTEMAS DE **FIJACIÓN**

Los Sistemas de Fijación **ATUSA** son una familia de productos considerada como un complemento importante dentro del catálogo de **ATUSA**.

Dentro de esta familia se intenta avanzar con una gama cada vez más variada – abrazaderas metálicas, isofónicas, reforzadas, PVC, fijaciones para sanitarios.

Incluimos abrazaderas que sirven para asegurar tuberías o conductos de cualquier tipo, ya sean en posición vertical, horizontal o suspendida en una pared, guía o techo.

The ATUSA logo consists of a white chevron symbol pointing to the right, followed by the word "ATUSA" in a bold, white, sans-serif font. The background of the entire page is a vibrant green with a blurred, industrial scene of a large circular saw blade and a bolt.

SISTEMAS DE
FIJACIÓN

ABRAZADERAS METÁLICAS LIGERAS



ABRAZADERA M6

Abertura en uno de los lados, para un montaje más rápido. Bicromatada.

| Ø mm. | PULGADAS | | COD. | € 100 UDS. |
|-------|----------|-----------|----------|---------------|
| 12 | 1/4" | 1.000 100 | RFSM0012 | 15,40 |
| 15 | - | 1.000 100 | RFSM0015 | 16,50 |
| 16 | - | 1.000 100 | RFSM0016 | 16,50 |
| 18 | 3/8" | 1.000 100 | RFSM0018 | 17,60 |
| 20 | - | 1.000 100 | RFSM0020 | 17,60 |
| 22 | 1/2" | 1.000 100 | RFSM0022 | 18,70 |
| 26 | 3/4" | 1.000 100 | RFSM0026 | 19,80 |
| 28 | - | 1.000 100 | RFSM0028 | 20,90 |
| 32 | 1" | 500 50 | RFSM0032 | 22,00 |
| 35 | - | 500 50 | RFSM0035 | 23,10 |
| 40 | - | 500 50 | RFSM0040 | 28,60 |
| 42 | 1 1/4" | 500 50 | RFSM0042 | 33,00 |
| 50 | - | 500 50 | RFSM0050 | 33,00 |
| 63 | - | 250 50 | RFSM0063 | 48,40 |



ABRAZADERA M6 CON TIRAFONDO

Abertura en uno de los lados, para un montaje más rápido. Bicromatada.

| Ø mm. | PULGADAS | | COD. | € 100 UDS. |
|-------|----------|-----------|----------|---------------|
| 12 | 1/4" | 1.000 100 | RFSMT012 | 19,95 |
| 15 | - | 1.000 100 | RFSMT015 | 19,95 |
| 18 | 3/8" | 1.000 100 | RFSMT018 | 19,95 |
| 20 | - | 1.000 100 | RFSMT020 | 21,00 |
| 22 | 1/2" | 1.000 100 | RFSMT022 | 22,05 |
| 24 | - | 1.000 100 | RFSMT024 | 22,05 |
| 26 | 3/4" | 1.000 100 | RFSMT026 | 23,10 |
| 28 | - | 1.000 100 | RFSMT028 | 25,20 |
| 32 | 1" | 500 50 | RFSMT032 | 25,20 |
| 35 | - | 500 50 | RFSMT035 | 28,35 |
| 40 | - | 500 50 | RFSMT040 | 31,50 |
| 42 | 1 1/4" | 500 50 | RFSMT042 | 35,70 |
| 50 | - | 500 50 | RFSMT050 | 36,75 |



ABRAZADERA DOBLE M6

Bicromatada.

| Ø mm. | PULGADAS | | COD. | € 100 UDS. |
|-------|----------|--------|--------------|---------------|
| 12 | 1/8" | 500 50 | RFDM0012 | 25,30 |
| 14-15 | 1/4" | 500 50 | RFDM0014 | 27,60 |
| 18 | 3/8" | 500 50 | RFDM0018 | 31,05 |
| 22 | 1/2" | 500 50 | RFDM0022 | 34,50 |
| 28 | 3/4" | 500 50 | RFDM0028 (1) | 49,45 |



ABRAZADERA M6 "GAS" NEGRA CON TIRAFONDO

Abertura en uno de los lados, para un montaje más rápido. Acabado en negro muy resistente.

| Ø mm. | PULGADAS | | COD. | € 100 UDS. |
|-------|----------|-----------|----------|---------------|
| 15 | 3/8" | 1.000 100 | RFSRN015 | 28,35 |
| 18 | - | 1.000 100 | RFSRN018 | 30,45 |
| 22 | - | 1.000 100 | RFSRN022 | 31,50 |
| 28 | 3/4" | 1.000 100 | RFSRN028 | 34,65 |



ABRAZADERA DOBLE M6 CON TIRAFONDO

Bicromatada.


| Ø mm. | PULGADAS | | COD. | € 100 UDS. |
|-------|----------|--------|----------|---------------|
| 12 | 1/8" | 500 50 | RFDMT012 | 34,50 |
| 14 | 1/4" | 500 50 | RFDMT014 | 36,80 |
| 18 | 3/8" | 500 50 | RFDMT018 | 40,25 |
| 22 | 1/2" | 500 50 | RFDMT022 | 41,40 |
| 28 | 3/4" | 500 50 | RFDMT028 | 58,65 |

(1) Hasta fin de existencias



ABRAZADERA ISOFÓNICA M6


Abertura en uno de los lados, para un montaje más rápido.
Bicromatada. Banda de goma para aislamiento y reducción del sonido.

| Ø mm. | PULGADAS |  | COD. | € 100 UDS. |
|-------|----------|---|----------|---------------|
| 12 | 1/4" | 1.000 100 | RFSG0012 | 25,20 |
| 14-15 | - | 1.000 100 | RFSG0014 | 27,30 |
| 18 | - | 1.000 100 | RFSG0018 | 30,45 |
| 20 | 1/2" | 1.000 100 | RFSG0020 | 32,55 |
| 22 | - | 1.000 100 | RFSG0022 | 32,55 |
| 26 | 3/4" | 500 100 | RFSG0026 | 36,75 |
| 28 | - | 500 100 | RFSG0028 | 39,90 |
| 32 | 1" | 500 50 | RFSG0032 | 45,15 |
| 35 | - | 500 50 | RFSG0035 | 50,40 |
| 42 | 1 1/4" | 500 50 | RFSG0042 | 58,80 |



ABRAZADERA "SIN FIN"


Fleje con bordes levantados y redondeados para protección del tubo / manguera.
Uso industrial, agrícola y doméstico.

| Ø mm. | PULGADAS |  | COD. | € 100 UDS. |
|-------|----------|---|----------|---------------|
| 10 | 10-16 | 1.000 100 | RFSF0010 | 32,55 |
| 12 | 12-20 | 1.000 100 | RFSF0012 | 33,60 |
| 15 | 16-25 | 1.000 100 | RFSF0015 | 33,60 |
| 20 | 20-32 | 1.000 100 | RFSF0020 | 34,65 |
| 25 | 25-40 | 500 100 | RFSF0025 | 36,75 |
| 32 | 32-50 | 500 100 | RFSF0032 | 39,90 |
| 40 | 40-60 | 500 50 | RFSF0040 | 42,00 |
| 50 | 50-70 | 250 50 | RFSF0050 | 45,15 |
| 60 | 60-80 | 250 50 | RFSF0060 | 47,25 |
| 70 | 70-90 | 250 50 | RFSF0070 | 50,40 |
| 80 | 80-100 | 250 25 | RFSF0080 | 54,60 |
| 90 | 90-110 | 125 25 | RFSF0090 | 59,85 |
| 100 | 100-120 | 125 25 | RFSF0100 | 64,05 |
| 120 | 120-140 | 50 25 | RFSF0120 | 70,35 |
| 140 | 140-160 | 50 25 | RFSF0140 | 77,70 |



GRAPA SIMPLE


Acero zincado. Para cables, y tubos de acero y PVC.

| Ø mm. | PULGADAS |  | COD. | € 100 UDS. |
|-------|----------|---|----------|---------------|
| 8 | - | 2.000 100 | RFGA0008 | 5,75 |
| 10 | 1/8" | 2.000 100 | RFGA0010 | 6,90 |
| 12 | 1/4" | 2.000 100 | RFGA0012 | 6,90 |
| 15 | - | 2.000 100 | RFGA0015 | 10,00 |
| 16 | 3/8" | 1.000 100 | RFGA0016 | 10,35 |
| 18 | - | 1.000 100 | RFGA0018 | 12,65 |
| 20 | 1/2" | 1.000 100 | RFGA0020 | 13,80 |
| 22 | - | 1.000 100 | RFGA0022 | 14,95 |
| 26 | 3/4" | 1.000 100 | RFGA0026 | 16,10 |
| 32 | 1" | 1.000 100 | RFGA0032 | 19,55 |
| 40 | - | 500 50 | RFGA0040 | 32,20 |

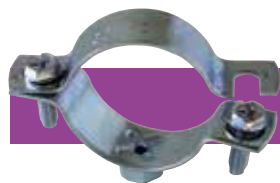


GRAPA PUENTE

Acero zincado. Para cables, y tubos de acero y PVC.

| Ø mm. | PULGADAS |  | COD. | € 100 UDS. |
|-------|----------|---|----------|---------------|
| 8 | - | 2.000 100 | RFGAP008 | 6,60 |
| 10 | 1/8" | 2.000 100 | RFGAP010 | 6,60 |
| 12 | 1/4" | 2.000 100 | RFGAP012 | 7,70 |
| 15 | - | 1.000 100 | RFGAP015 | 11,00 |
| 16 | 3/8" | 1.000 100 | RFGAP016 | 11,30 |
| 18 | - | 1.000 100 | RFGAP018 | 14,30 |
| 20 | 1/2" | 1.000 100 | RFGAP020 | 15,40 |
| 22 | - | 1.000 100 | RFGAP022 | 16,50 |
| 24 | - | 1.000 100 | RFGAP024 | 16,50 |
| 26 | 3/4" | 1.000 100 | RFGAP026 | 17,60 |
| 30 | - | 500 50 | RFGAP030 | 19,80 |
| 32 | 1" | 500 50 | RFGAP032 | 23,10 |
| 40 | - | 500 50 | RFGAP040 | 35,20 |

ABRAZADERAS METÁLICAS REFORZADAS



ABRAZADERA ABIERTA M8

Abertura en uno de los lados, para un montaje más rápido.
Para instalaciones horizontales, verticales y suspendidas.

| Ø | mm. | PULGADAS | | COD. | € 100 UDS. |
|-----|---------|----------|---------|----------|---------------|
| 22 | 20-25 | 1/2" | 500 100 | RFRM0022 | 60,00 |
| 28 | 26-30 | 3/4" | 250 50 | RFRM0028 | 61,60 |
| 35 | 32-36 | 1" | 250 50 | RFRM0035 | 66,00 |
| 42 | 38-43 | 1 1/4" | 250 25 | RFRM0042 | 68,20 |
| 48 | 47-51 | 1 1/2" | 250 25 | RFRM0048 | 73,70 |
| 54 | 53-58 | - | 250 25 | RFRM0054 | 78,10 |
| 60 | 60-64 | 2" | 125 25 | RFRM0060 | 82,50 |
| 75 | 75-80 | 2 1/2" | 100 20 | RFRM0075 | 93,50 |
| 90 | 87-92 | 3" | 90 18 | RFRM0090 | 104,50 |
| 110 | 107-112 | - | 30 15 | RFRM0110 | 121,00 |
| 115 | 113-118 | 4" | 30 15 | RFRM0115 | 132,00 |
| 125 | 125-130 | - | 30 15 | RFRM0125 | 137,50 |



ABRAZADERA ISOFÓNICA ABIERTA M8

Abertura en uno de los lados, para un montaje más rápido.
Banda de goma para aislamiento y reducción del sonido.
Para instalaciones horizontales, verticales y suspendidas.

| Ø | mm. | PULGADAS | | COD. | € 100 UDS. |
|-----|---------|----------|--------|----------|---------------|
| 15 | 12-16 | 1/4" | 500 50 | RFRG0015 | 68,25 |
| 18 | 15-19 | 3/8" | 250 50 | RFRG0018 | 70,35 |
| 22 | 20-25 | 1/2" | 250 50 | RFRG0022 | 74,55 |
| 28 | 26-30 | 3/4" | 250 25 | RFRG0028 | 81,90 |
| 35 | 32-36 | 1" | 250 25 | RFRG0035 | 90,30 |
| 42 | 38-43 | 1 1/4" | 125 25 | RFRG0042 | 98,70 |
| 48 | 47-51 | 1 1/2" | 100 20 | RFRG0048 | 105,00 |
| 54 | 53-58 | - | 100 20 | RFRG0054 | 115,50 |
| 60 | 60-64 | 2" | 100 20 | RFRG0060 | 120,75 |
| 75 | 75-80 | 2 1/2" | 40 20 | RFRG0075 | 136,50 |
| 90 | 87-92 | 3" | 40 20 | RFRG0090 | 152,25 |
| 110 | 107-112 | - | 25 - | RFRG0110 | 189,00 |
| 115 | 113-118 | 4" | 20 - | RFRG0115 | 199,50 |
| 125 | 125-130 | - | 20 - | RFRG0125 | 215,25 |



ABRAZADERA M8/M10

Para instalaciones horizontales, verticales y suspendidas.

| Ø | mm. | PULGADAS | | COD. | € 100 UDS. |
|-----|---------|----------|--------|----------|---------------|
| 22 | 20-25 | 1/2" | 500 50 | RFRMD022 | 71,40 |
| 28 | 26-30 | 3/4" | 500 50 | RFRMD028 | 76,65 |
| 35 | 32-36 | 1" | 250 50 | RFRMD035 | 80,85 |
| 40 | 38-43 | 1 1/4" | 250 25 | RFRMD040 | 86,10 |
| 48 | 47-51 | 1 1/2" | 250 25 | RFRMD048 | 92,40 |
| 54 | 53-58 | - | 125 25 | RFRMD054 | 98,70 |
| 60 | 60-64 | 2" | 125 25 | RFRMD060 | 103,95 |
| 75 | 75-80 | 2 1/2" | 100 20 | RFRMD075 | 115,50 |
| 90 | 87-92 | 3" | 80 16 | RFRMD090 | 126,00 |
| 110 | 107-112 | - | 50 10 | RFRMD110 | 183,75 |
| 115 | 113-118 | 4" | 25 - | RFRMD115 | 194,25 |
| 125 | 125-130 | - | 25 - | RFRMD125 | 204,75 |
| 140 | 138-142 | 5" | 25 - | RFRMD140 | 215,25 |
| 160 | 159-166 | 6" | 25 - | RFRMD160 | 236,25 |
| 200 | 200-212 | - | 25 - | RFRMD200 | 278,25 |
| 250 | 248-252 | - | 20 - | RFRMD250 | 330,75 |
| 315 | 312-318 | - | 20 - | RFRMD315 | 346,50 |



ABRAZADERA ISOFÓNICA M8/M10

Banda de Goma para aislamiento y reducción del sonido.
Para instalaciones horizontales, verticales y suspendidas.

| Ø | mm. | PULGADAS | | COD. | € 100 UDS. |
|-----|---------|----------|--------|----------|---------------|
| 18 | 15-19 | 3/8" | 250 50 | RFRGD018 | 88,20 |
| 22 | 20-25 | 1/2" | 250 50 | RFRGD022 | 91,35 |
| 28 | 26-30 | 3/4" | 250 25 | RFRGD028 | 96,60 |
| 35 | 32-36 | 1" | 250 25 | RFRGD035 | 105,00 |
| 40 | 38-43 | 1 1/4" | 125 25 | RFRGD040 | 115,50 |
| 48 | 47-51 | 1 1/2" | 100 20 | RFRGD048 | 126,00 |
| 54 | 53-58 | - | 100 20 | RFRGD054 | 136,50 |
| 60 | 60-64 | 2" | 100 20 | RFRGD060 | 141,75 |
| 75 | 75-80 | 2 1/2" | 50 25 | RFRGD075 | 162,75 |
| 90 | 87-92 | 3" | 40 20 | RFRGD090 | 183,75 |
| 110 | 107-112 | - | 25 - | RFRGD110 | 278,25 |
| 115 | 113-118 | 4" | 20 - | RFRGD115 | 288,75 |
| 125 | 125-130 | - | 20 - | RFRGD125 | 304,50 |
| 140 | 138-142 | 5" | 15 - | RFRGD140 | 330,75 |
| 160 | 159-166 | 6" | 15 - | RFRGD160 | 367,50 |
| 200 | 200-212 | - | 20 - | RFRGD200 | 430,50 |
| 250 | 248-252 | - | 15 - | RFRGD250 | 525,00 |




**ABRAZADERA "PREMIUM"
M8/M10**

Sistema tornillo imperdible. Tuerca soldada por puntos.



**ABRAZADERA "PREMIUM"
M8/M10 CON TACO Y TORNILLO**

Sistema tornillo imperdible. Tuerca soldada por puntos.

| PULGADAS | mm. | TUERCA |  | COD. | € 100 UDS. |
|----------|---------|--------|---|----------|---------------|
| 3/8" | 16-18 | M8 | 150 2 | RAF35102 | 82,95 |
| 1/2" | 20-22 | M8 | 150 2 | RAF35103 | 89,25 |
| 3/4" | 25-28 | M8 | 150 2 | RAF35104 | 94,50 |
| 1" | 31-34 | M8 | 150 2 | RAF35105 | 99,75 |
| 1 1/4" | 39-43 | M8 | 100 2 | RAF35106 | 110,25 |
| 1 1/2" | 45-48.5 | M8 | 100 2 | RAF35107 | 115,50 |
| 2" | 58-61 | M8 | 100 2 | RAF35108 | 126,00 |
| 2 1/2" | 73-76.5 | M10 | 80 2 | RAF3510A | 178,50 |
| 3" | 86-89 | M10 | 60 2 | RAF3510B | 204,75 |
| 4" | 110-115 | M10 | 40 2 | RAF3510C | 236,25 |

| PULG. | mm. | TORNILLO | TACO |  | COD. | € 100 UDS. |
|--------|---------|----------|-------|---|----------|---------------|
| 3/8" | 16-18 | M8x100 | 10x50 | 150 2 | RAF35502 | 136,50 |
| 1/2" | 20-22 | M8x100 | 10x50 | 150 2 | RAF35503 | 141,75 |
| 3/4" | 25-28 | M8x100 | 10x50 | 150 2 | RAF35504 | 152,25 |
| 1" | 31-34 | M8x100 | 10x50 | 100 2 | RAF35505 | 162,75 |
| 1 1/4" | 39-43 | M8x100 | 10x50 | 100 2 | RAF35506 | 178,50 |
| 1 1/2" | 45-48.5 | M8x100 | 10x50 | 100 2 | RAF35507 | 183,75 |
| 2" | 58-61 | M8x100 | 10x50 | 100 2 | RAF35508 | 199,50 |
| 2 1/2" | 73-76.5 | M10x120 | 12x60 | 80 2 | RAF3550A | 246,75 |
| 3" | 86-89 | M10x120 | 12x60 | 60 2 | RAF3550B | 267,75 |
| 4" | 110-115 | M10x120 | 12x60 | 40 2 | RAF3550C | 346,50 |




**ABRAZADERA ISOFÓNICA
"PREMIUM" M8/M10**


Sistema tornillo imperdible. Tuerca soldada por puntos. Goma vulcanizada EPDM.



**ABRAZ. ISOFÓNICA "PREMIUM"
M8/M10 CON TACO Y TORNILLO**

Sistema tornillo imperdible. Tuerca soldada por puntos. Goma vulcanizada EPDM.

| PULGADAS | mm. | TUERCA |  | COD. | € 100 UDS. |
|----------|---------|--------|---|----------|---------------|
| 3/8" | 17-19 | M8 | 100 2 | RAF351G2 | 252,00 |
| 1/2" | 21-23 | M8 | 100 2 | RAF351G3 | 262,50 |
| 3/4" | 26.5-28 | M8 | 100 2 | RAF351G4 | 283,50 |
| 1" | 33-35 | M8 | 80 2 | RAF351G5 | 325,50 |
| 1 1/4" | 42-45 | M8 | 60 2 | RAF351G6 | 378,00 |
| 1 1/2" | 48-50 | M8 | 60 2 | RAF351G7 | 425,25 |
| 2" | 60-64 | M8 | 40 2 | RAF351G8 | 509,25 |
| 2 1/2" | 73-80 | M10 | 40 2 | RAF351GA | 740,25 |
| 3" | 87-91 | M10 | 40 2 | RAF351GB | 808,50 |
| 4" | 108-116 | M10 | 20 2 | RAF351GC | 939,75 |

| PULG. | mm. | TORNILLO | TACO |  | COD. | € 100 UDS. |
|--------|---------|----------|-------|---|----------|---------------|
| 3/8" | 17-19 | M8x100 | 10x50 | 100 2 | RAF355G2 | 273,00 |
| 1/2" | 21-23 | M8x100 | 10x50 | 100 2 | RAF355G3 | 283,50 |
| 3/4" | 26.5-28 | M8x100 | 10x50 | 80 2 | RAF355G4 | 299,25 |
| 1" | 33-35 | M8x100 | 10x50 | 80 2 | RAF355G5 | 351,75 |
| 1 1/4" | 42-45 | M8x100 | 10x50 | 60 2 | RAF355G6 | 399,00 |
| 1 1/2" | 48-50 | M8x100 | 10x50 | 60 2 | RAF355G7 | 451,50 |
| 2" | 60-64 | M8x100 | 10x50 | 40 2 | RAF355G8 | 561,75 |
| 2 1/2" | 71-80 | M10x120 | 12x60 | 30 2 | RAF355GA | 750,75 |
| 3" | 87-91 | M10x120 | 12x60 | 30 2 | RAF355GB | 834,75 |
| 4" | 108-116 | M10x120 | 12x60 | 20 2 | RAF355GC | 950,25 |



ABRAZADERA "EXTRA"

Fleje con bordes levantados y redondeados para protección del tubo / manguera. Uso industrial, agrícola y doméstico.

| Ø | mm. | TUERCA | | COD. | € 100 UDS. |
|-----|---------|--------|-----------|----------|---------------|
| 17 | 17-19 | M5 | 1.000 100 | RFS00017 | 94,50 |
| 20 | 20-22 | M5 | 1.000 100 | RFS00020 | 95,55 |
| 23 | 23-25 | M5 | 500 100 | RFS00023 | 96,60 |
| 25 | 25-27 | M5 | 500 100 | RFS00025 | 97,65 |
| 26 | 26-28 | M5 | 500 100 | RFS00026 | 98,70 |
| 29 | 29-31 | M6 | 250 50 | RFS00029 | 115,50 |
| 32 | 32-35 | M6 | 250 50 | RFS00032 | 120,75 |
| 36 | 36-39 | M6 | 250 50 | RFS00036 | 120,75 |
| 40 | 40-43 | M6 | 250 50 | RFS00040 | 126,00 |
| 44 | 44-47 | M6 | 125 25 | RFS00044 | 147,00 |
| 48 | 48-51 | M6 | 125 25 | RFS00048 | 147,00 |
| 52 | 52-55 | M6 | 125 25 | RFS00052 | 152,25 |
| 56 | 56-59 | M6 | 100 20 | RFS00056 | 162,75 |
| 60 | 60-63 | M6 | 100 20 | RFS00060 | 162,75 |
| 64 | 64-67 | M8 | 100 20 | RFS00064 | 168,00 |
| 68 | 68-73 | M8 | 75 15 | RFS00068 | 225,75 |
| 74 | 74-79 | M8 | 75 15 | RFS00074 | 236,25 |
| 80 | 80-85 | M8 | 75 15 | RFS00080 | 236,25 |
| 86 | 86-91 | M8 | 50 10 | RFS00086 | 241,50 |
| 92 | 92-97 | M8 | 50 10 | RFS00092 | 252,00 |
| 98 | 98-103 | M8 | 50 - | RFS00098 | 252,00 |
| 104 | 104-112 | M8 | 40 - | RFS00104 | 262,50 |
| 113 | 113-121 | M8 | 25 - | RFS00113 | 273,00 |
| 122 | 122-130 | M8 | 25 - | RFS00122 | 283,50 |
| 131 | 131-139 | M10 | 25 - | RFS00131 | 383,25 |
| 140 | 140-148 | M10 | 25 - | RFS00140 | 393,75 |
| 149 | 149-161 | M10 | 20 - | RFS00149 | 404,25 |
| 162 | 162-174 | M10 | 20 - | RFS00162 | 420,00 |
| 201 | 201-213 | M10 | 14 - | RFS00201 | 472,50 |
| 214 | 214-226 | M10 | 14 - | RFS00214 | 495,00 |
| 240 | 240-252 | M10 | 12 - | RFS00240 | 540,75 |



ABRAZADERA DESAGÜE M8

Para bajantes de desagüe.

| Ø | mm. | | COD. | € 100 UDS. |
|-----|---------|--------|----------|---------------|
| 75 | 75-80 | 200 20 | RFDES075 | 126,00 |
| 90 | 82-90 | 100 20 | RFDES090 | 131,25 |
| 110 | 106-112 | 100 20 | RFDES110 | 141,75 |
| 125 | 124-130 | 75 15 | RFDES125 | 152,25 |
| 160 | 159-165 | 64 32 | RFDES160 | 278,25 |
| 200 | 199-212 | 50 25 | RFDES200 | 325,50 |



ABRAZADERA COLGANTE "PERA"

Tuberías suspendidas, especialmente instalaciones contraincendios.

| Ø | PULGADAS | TUERCA | | COD. | € 100 UDS. |
|-----|----------|--------|---------|----------|---------------|
| 35 | 1" | M8 | 200 100 | RFPO0035 | 115,50 |
| 40 | 1 1/4" | M8 | 100 50 | RFPO0040 | 120,75 |
| 48 | 1 1/2" | M8 | 100 50 | RFPO0048 | 131,25 |
| 60 | 2" | M8 | 80 40 | RFPO0060 | 141,75 |
| 75 | 2 1/2" | M10 | 60 30 | RFPO0075 | 215,25 |
| 90 | 3" | M10 | 40 20 | RFPO0090 | 231,00 |
| 115 | 4" | M10 | 20 10 | RFPO0115 | 283,50 |



ABRAZADERA "GAS" AMARILLA M8/M10

Por su color amarillo se utiliza como identificación de la conducción de gas.

| Ø | mm. | PULG. | ROSCA | | COD. | € 100 UDS. |
|-----|---------|--------|-------|---------|----------|---------------|
| 22 | 20-25 | 1/2" | M8 | 500 100 | RFRR0022 | 107,00 |
| 28 | 26-30 | 3/4" | M8 | 500 50 | RFRR0028 | 110,25 |
| 35 | 32-36 | 1" | M8 | 250 50 | RFRR0035 | 115,50 |
| 40 | 38-43 | 1 1/4" | M8 | 250 25 | RFRR0040 | 120,75 |
| 48 | 47-51 | 1 1/2" | M8 | 250 25 | RFRR0048 | 131,25 |
| 60 | 60-64 | 2" | M8 | 125 25 | RFRR0060 | 152,25 |
| 75 | 75-80 | 2 1/2" | M10 | 100 20 | RFRR0075 | 178,50 |
| 90 | 87-92 | 3" | M10 | 90 18 | RFRR0090 | 204,75 |
| 115 | 113-118 | 4" | M10 | 30 15 | RFRR0115 | 252,00 |



ABARCÓN EN "U"

Los abarcones M6 y M8 llevan las tuercas y arandelas colocadas. Acero zincado.

| Ø Tubo | PULG. | ROSCA | | COD. | € 100 UDS. |
|--------|--------|-------|----------|----------|---------------|
| 17,1 | 3/8" | M6 | 1200 200 | RFAB0002 | 24,15 |
| 21,3 | 1/2" | M6 | 1200 200 | RFAB0003 | 25,30 |
| 26,9 | 3/4" | M6 | 900 150 | RFAB0004 | 27,60 |
| 33,7 | 1" | M6 | 750 125 | RFAB0005 | 33,35 |
| 42,4 | 1 1/4" | M6 | 600 100 | RFAB0006 | 35,65 |
| 48,3 | 1 1/2" | M8 | 300 50 | RFAB0007 | 67,85 |
| 60,3 | 2" | M8 | 300 50 | RFAB0008 | 74,75 |
| 76,1 | 2 1/2" | M8 | 150 25 | RFAB000A | 149,50 |
| 88,9 | 3" | M8 | 125 25 | RFAB000B | 166,75 |
| 101,6 | 3 1/2" | M10 | 120 20 | RFAB000C | 172,50 |
| 114,3 | 4" | M10 | 100 20 | RFAB000D | 195,50 |
| 139,7 | 5" | M10 | 100 20 | RFAB000E | 224,25 |
| 168,3 | 6" | M10 | 75 15 | RFAB000F | 258,75 |
| 219,1 | 8" | M10 | 50 10 | RFAB000H | 350,75 |
| 273,0 | 10" | M10 | 10 - | RFAB000J | 373,75 |
| 323,9 | 12" | M14 | 10 - | RFAB000L | 1.081,00 |
| 355,6 | 14" | M14 | 10 - | RFAB000N | 1.178,75 |

FIJACIONES PARA SANITARIOS



KIT FIJACIÓN PARA LAVABOS (2 unid.)

Conjunto de taco de nylon + tornillo de doble rosca.

| TORNILLO | TACO | | | COD. | € KIT |
|----------|-------|-----|----|----------|-------|
| M8x110 | 10x50 | 150 | 15 | RFFL0811 | 1,10 |
| M10x120 | 12x60 | 150 | 15 | RFFL1012 | 1,60 |



KIT FIJ. PARA SANITARIOS DE PARED (2 unid.)

Conjunto de taco de nylon + tornillo de doble rosca.

| TORNILLO | TACO | | | COD. | € KIT |
|----------|-------|-----|----|----------|-------|
| M8x110 | 10x50 | 150 | 15 | RFFP0811 | 1,05 |
| M10x120 | 12x60 | 150 | 15 | RFFP1012 | 1,45 |



KIT FIJ. PARA WC Y BIDET (2 unid.)

Conjunto de taco de nylon + tornillo de doble rosca.

| | TORNILLO | TACO | | | COD. | € KIT |
|-------|----------|------|-----|----|----------|-------|
| INOX. | M5x75 | 8x40 | 250 | 25 | RFFWIS75 | 1,80 |
| LATON | M5x75 | 8x40 | 250 | 25 | RFFWLS75 | 3,15 |



KIT FIJ. PARA CALENTADORES (2 unid.)

Conjunto de taco de nylon + Alcayata.

| TORNILLO | TACO | | | COD. | € KIT |
|----------|-------|-----|----|----------|-------|
| M8x65 | 10x50 | 250 | 25 | RFFC0865 | 0,80 |
| M10x75 | 12x60 | 250 | 25 | RFFC1075 | 1,15 |

ANCLAJES, TACOS, TORNILLOS Y ACCESORIOS



TORNILLO DOBLE ROSCA M8/M10

Tornillo doble rosca M8 o M10.

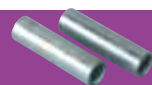
| ROSCA | mm. | | | COD. | € 100 UDS. |
|-------|-----|-------|-----|----------|------------|
| M8 | 50 | 1.000 | 100 | RFTD0850 | 14,95 |
| M8 | 80 | 1.000 | 100 | RFTD0880 | 19,55 |
| M8 | 100 | 600 | 100 | RFTD8100 | 24,15 |
| M8 | 120 | 600 | 100 | RFTD8120 | 31,05 |
| M10 | 80 | 1.000 | 100 | RFTD1080 | 31,05 |
| M10 | 100 | 1.000 | 100 | RFTD1010 | 41,40 |



TIRAFONDO PARA ABRAZADERA M6/M8

Tirafondo para abrazadera M6 o M8.

| ROSCA | mm. | | | COD. | € 100 UDS. |
|-------|-----|-------|-----|----------|------------|
| M6 | 30 | 2.000 | 100 | RFTR0630 | 5,00 |
| M6 | 40 | 2.000 | 100 | RFTR0640 | 6,90 |
| M6 | 50 | 2.000 | 100 | RFTR0650 | 6,90 |
| M8 | 40 | 2.000 | 100 | RFTR0840 | 11,50 |
| M8 | 60 | 2.000 | 100 | RFTR0860 | 14,95 |



MANGUITO REDONDO

Para la prolongación o unión de sujeciones ESTÁNDAR.

| ROSCA | Longitud | | | COD. | € 100 UDS. |
|-------|----------|-------|-----|----------|------------|
| M6 | 20 | 1.500 | 150 | RFMR0620 | 15,75 |
| M6 | 30 | 1.500 | 150 | RFMR0630 | 22,05 |
| M8 | 20 | 1.000 | 100 | RFMR0820 | 22,05 |
| M8 | 30 | 1.000 | 100 | RFMR0830 | 26,25 |
| M10 | 30 | 500 | 50 | RFMR1030 | 29,40 |



MANGUITO HEXAGONAL

Para la prolongación o unión de sujeciones ESTÁNDAR.

| ROSCA | LONGITUD | | | COD. | € 100 UDS. |
|-------|----------|-------|-----|----------|------------|
| M6 | 20 | 1.500 | 150 | RFMH0620 | 19,80 |
| M6 | 30 | 1.500 | 150 | RFMH0630 | 26,40 |
| M8 | 20 | 1.000 | 100 | RFMH0820 | 30,80 |
| M8 | 30 | 1.000 | 100 | RFMH0830 | 41,80 |



TACOS DE FIJACIÓN

Para la prolongación o unión de sujeciones ESTÁNDAR.

| Ø | | COD. | € 100 UDS. |
|--------|-----|----------|------------|
| M6x30 | 100 | RFTN0630 | 3,15 |
| M8x40 | 100 | RFTN0840 | 8,40 |
| M10x50 | 50 | RFTN1050 | 11,55 |
| M12x60 | 25 | RFTN1260 | 19,95 |



CINTA PERFORADA

Ideal para bajantes de PVC, baterías de tubos, suspensión de conducciones, etc.

| mm. | LONGITUD | CHAPA mm. | | COD. | € 100 UDS. |
|-------|----------|-----------|----|----------|------------|
| M6x30 | 10 m. | 17 x 0.8 | 10 | RFCP0017 | 885,50 |

CALEFACCIÓN

En el apartado de calefacción, ATUSA continúa aportando calidad al mercado de los radiadores de aluminio a través de la distribución - representación de la marca GLOBAL. Esta prestigiosa empresa italiana fabrica los radiadores de aluminio fundido aplicando un elevado nivel de calidad que garantiza fiabilidad y larga duración de sus productos. Asimismo, ofrecemos a nuestros clientes radiadores toalleros (en sus diferentes versiones), así como otra serie de productos del mundo de la calefacción: tapones, soportes, florones, purgadores, y todo tipo de accesorios relacionados.

GLOBAL 
RADIATORI



CALEFACCIÓN

GL

La Fuerza del Calor

Su Diseño favorece el movimiento del aire caliente hacia la parte central de la estancia.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|-----------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| GL 200/80/DOBLE | 290 | 200 | 80 | 180 | 103 | 89 | 53 | 46 | 61,80 |
| GL 350/80/DOBLE | 440 | 350 | 80 | 180 | 157 | 136 | 80 | 69 | 64,00 |
| GL 350/80 | 440 | 350 | 80 | 95 | 97 | 84 | 49 | 42 | 31,00 |
| GL 500/80 | 590 | 500 | 80 | 95 | 126 | 109 | 64 | 55 | 31,50 |
| GL 600/80 | 690 | 600 | 80 | 95 | 145 | 125 | 74 | 64 | 33,00 |
| GL 700/80 | 790 | 700 | 80 | 95 | 166 | 143 | 84 | 73 | 37,40 |
| GL 800/80 | 890 | 800 | 80 | 95 | 183 | 158 | 93 | 80 | 40,50 |

VIP

El Calor interno

Su línea dinámica y elegante se integra en cualquier tipo de ambiente.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|---------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| VIP 350 | 440 | 350 | 80 | 95 | 94 | 81 | 48 | 41 | 31,00 |
| VIP 500 | 590 | 500 | 80 | 95 | 123 | 106 | 63 | 54 | 31,50 |
| VIP 600 | 690 | 600 | 80 | 95 | 142 | 123 | 72 | 62 | 33,00 |
| VIP 700 | 790 | 700 | 80 | 95 | 161 | 139 | 82 | 71 | 37,40 |
| VIP 800 | 890 | 800 | 80 | 95 | 180 | 155 | 91 | 79 | 40,50 |

MIX

Un Cálido abrazo

Líneas refinadas para asegurar el máximo confort en los lugares más sofisticados.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|---------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| MIX 300 | 390 | 300 | 80 | 95 | 82 | 71 | 43 | 37 | 30,70 |
| MIX 350 | 440 | 350 | 80 | 95 | 94 | 81 | 48 | 41 | 31,00 |
| MIX 500 | 590 | 500 | 80 | 95 | 123 | 106 | 63 | 54 | 31,50 |
| MIX 600 | 690 | 600 | 80 | 95 | 142 | 123 | 72 | 62 | 33,00 |
| MIX 700 | 790 | 700 | 80 | 95 | 161 | 139 | 82 | 71 | 37,40 |
| MIX 800 | 890 | 800 | 80 | 95 | 180 | 155 | 91 | 79 | 40,50 |

VOX

El placer del Calor

La Tecnología más avanzada y un exclusivo Diseño garantizan las prestaciones más altas sin gasto extra de energía.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|---------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| VOX 350 | 440 | 350 | 80 | 95 | 95 | 82 | 49 | 42 | 31,00 |
| VOX 500 | 590 | 500 | 80 | 95 | 127 | 110 | 65 | 56 | 31,50 |
| VOX 600 | 690 | 600 | 80 | 95 | 146 | 126 | 75 | 65 | 33,00 |
| VOX 700 | 790 | 700 | 80 | 95 | 164 | 142 | 83 | 72 | 37,40 |
| VOX 800 | 890 | 800 | 80 | 95 | 181 | 156 | 92 | 80 | 40,50 |

VOX EXTRA

Fuerte, Ligero y Elegante

El perfecto equilibrio entre linealidad y suavidad de curvas.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|---------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| VOX EXTRA 350 | 427 | 350 | 80 | 95 | 89 | 77 | 46 | 40 | 29,70 |
| VOX EXTRA 500 | 577 | 500 | 80 | 95 | 119 | 103 | 61 | 53 | 30,20 |
| VOX EXTRA 600 | 677 | 600 | 80 | 95 | 137 | 118 | 71 | 61 | 31,50 |
| VOX EXTRA 700 | 777 | 700 | 80 | 95 | 156 | 135 | 80 | 69 | 35,70 |
| VOX EXTRA 800 | 877 | 800 | 80 | 95 | 173 | 149 | 88 | 76 | 38,80 |

KLASS

Líneas rectas y curvas

La síntesis perfecta entre diseño, funcionalidad y prestaciones.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|-----------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| KLASS 350 | 432 | 350 | 80 | 80 | 85 | 73 | 44 | 38 | 29,10 |
| KLASS 500 | 582 | 500 | 80 | 80 | 116 | 100 | 60 | 52 | 29,60 |
| KLASS 600 | 682 | 600 | 80 | 80 | 132 | 114 | 67 | 58 | 31,00 |
| KLASS 700 | 782 | 700 | 80 | 80 | 148 | 128 | 75 | 65 | 35,20 |
| KLASS 800 | 882 | 800 | 80 | 80 | 162 | 140 | 82 | 71 | 37,70 |

ISEO

Calor y Ahorro

Excepcional confort, maximizando el movimiento del aire caliente hacia la parte central de la estancia.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|----------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|-------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| ISEO 350 | 432 | 350 | 80 | 80 | 87 | 75 | 44 | 38 | 29,10 |
| ISEO 500 | 582 | 500 | 80 | 80 | 115 | 99 | 58 | 50 | 29,60 |
| ISEO 600 | 682 | 600 | 80 | 80 | 131 | 113 | 66 | 57 | 31,00 |
| ISEO 700 | 782 | 700 | 80 | 80 | 150 | 130 | 75 | 65 | 35,20 |
| ISEO 800 | 882 | 800 | 80 | 80 | 164 | 142 | 82 | 71 | 37,70 |

EKOS&EKOS PLUS

Irresistiblemente Redondeado

Modelo Patentado dentro de la amplia gama de GLOBAL.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|----------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|--------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| EKOS 500/95 | 568 | 500 | 50 | 95 | 61 | 53 | 32 | 28 | 32,50 |
| EKOS 600/95 | 668 | 600 | 50 | 95 | 69 | 60 | 36 | 31 | 33,60 |
| EKOS 700/95 | 768 | 700 | 50 | 95 | 78 | 67 | 40 | 35 | 38,20 |
| EKOS 800/95 | 868 | 800 | 50 | 95 | 87 | 75 | 45 | 39 | 40,90 |
| EKOS 600/130 | 683 | 600 | 50 | 130 | 87 | 75 | 45 | 39 | 38,70 |
| EKOS 800/130 | 883 | 800 | 50 | 130 | 108 | 93 | 56 | 48 | 46,30 |
| EKOS PLUS 900 | 970 | 900 | 50 | 95 | 101 | 87 | 53 | 46 | 67,00 |
| EKOS PLUS 1000 | 1070 | 1000 | 50 | 95 | 109 | 94 | 57 | 49 | 73,40 |
| EKOS PLUS 1200 | 1270 | 1200 | 50 | 95 | 126 | 109 | 64 | 55 | 87,00 |
| EKOS PLUS 1400 | 1470 | 1400 | 50 | 95 | 143 | 123 | 72 | 62 | 98,20 |
| EKOS PLUS 1600 | 1670 | 1600 | 50 | 95 | 160 | 138 | 80 | 69 | 108,00 |
| EKOS PLUS 1800 | 1870 | 1800 | 50 | 95 | 178 | 154 | 90 | 78 | 117,20 |
| EKOS PLUS 2000 | 2070 | 2000 | 50 | 95 | 196 | 169 | 99 | 86 | 130,70 |

OSCAR

Alto y Fuerte

El radiador Vertical que puede ser una solución perfecta ante problemas de espacio.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|--------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| OSCAR 900 | 946 | 900 | 80 | 95 | 175 | 151 | 88 | 76 | 73,50 |
| OSCAR 1000 | 1046 | 1000 | 80 | 95 | 190 | 164 | 95 | 82 | 79,00 |
| OSCAR 1200 | 1246 | 1200 | 80 | 95 | 218 | 188 | 109 | 94 | 94,50 |
| OSCAR 1400 | 1446 | 1400 | 80 | 95 | 245 | 211 | 123 | 106 | 105,00 |
| OSCAR 1600 | 1646 | 1600 | 80 | 95 | 271 | 234 | 136 | 118 | 115,50 |
| OSCAR 1800 | 1846 | 1800 | 80 | 95 | 297 | 256 | 148 | 128 | 126,00 |
| OSCAR 2000 | 2046 | 2000 | 80 | 95 | 321 | 277 | 161 | 139 | 141,50 |

OSCAR TONDO

La Evolución

La perfecta combinación de líneas curvas y rectas.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|------------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|--------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| OSCAR TONDO 900 | 946 | 900 | 80 | 95 | 175 | 151 | 88 | 76 | 73,50 |
| OSCAR TONDO 1000 | 1046 | 1000 | 80 | 95 | 190 | 164 | 95 | 82 | 79,00 |
| OSCAR TONDO 1200 | 1246 | 1200 | 80 | 95 | 218 | 188 | 109 | 94 | 94,50 |
| OSCAR TONDO 1400 | 1446 | 1400 | 80 | 95 | 245 | 211 | 123 | 106 | 105,00 |
| OSCAR TONDO 1600 | 1646 | 1600 | 80 | 95 | 271 | 234 | 136 | 118 | 115,50 |
| OSCAR TONDO 1800 | 1846 | 1800 | 80 | 95 | 297 | 256 | 148 | 128 | 126,00 |
| OSCAR TONDO 2000 | 2046 | 2000 | 80 | 95 | 321 | 277 | 161 | 139 | 141,50 |

JUNIOR

El radiador Toallero de Aluminio

Calor en el baño y en la toallas.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | € |
|---------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|--------|
| | | | | | ΔT 50° C | | ΔT 30° C | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | Kcal/H | Vatios | Kcal/H | |
| JUNIOR 450/7 | 730 | 450 | 492 | 42 | 377 | 325 | 201 | 174 | 482,00 |
| JUNIOR 450/10 | 970 | 450 | 492 | 42 | 488 | 421 | 260 | 225 | 553,00 |
| JUNIOR 450/12 | 1210 | 450 | 492 | 42 | 597 | 515 | 319 | 276 | 658,00 |
| JUNIOR 450/15 | 1540 | 450 | 492 | 42 | 743 | 641 | 396 | 342 | 810,00 |

POSIBILIDAD DE SUMINISTRO DIRECTO DESDE ITALIA - CONSULTAR CONDICIONES
PRECIOS EN COLOR BLANCO (RAL 9010) / CONSULTAR OTROS COLORES

SEBINO

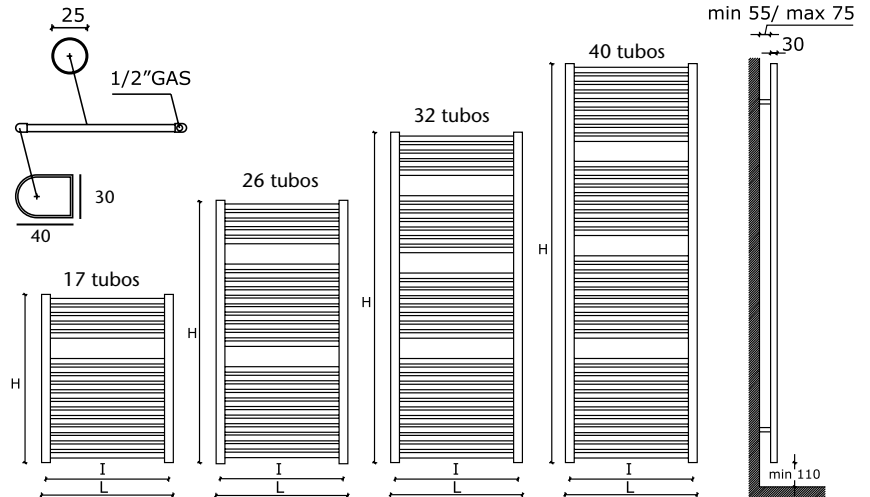
El Ultraligero
Calidad, confort y diseño vanguardista.



| Modelo | Dimensiones (mm.) | | | | Potencia Térmica EN 442 | | | | Nº Elementos | € |
|-------------|-------------------|------------|-------|-------|-------------------------|--------|----------|--------|--------------|----------|
| | | | | | ΔT 50° C | | ΔT 30° C | | | |
| | Alto | Entre Ejes | Ancho | Fondo | Vatios | kcal/H | Vatios | kcal/H | | |
| SEBINO 350 | 384 | 350 | 500 | 60 | 427 | 367 | 220 | 189 | 6 | 447,00 |
| | 384 | 350 | 660 | 60 | 569 | 489 | 293 | 252 | 8 | 555,00 |
| | 384 | 350 | 820 | 60 | 711 | 611 | 366 | 315 | 10 | 668,00 |
| | 384 | 350 | 980 | 60 | 853 | 733 | 439 | 377 | 12 | 782,00 |
| | 384 | 350 | 1140 | 60 | 995 | 856 | 512 | 440 | 14 | 895,00 |
| SEBINO 500 | 534 | 500 | 500 | 60 | 550 | 473 | 281 | 242 | 6 | 498,00 |
| | 534 | 500 | 660 | 60 | 733 | 630 | 375 | 322 | 8 | 623,00 |
| | 534 | 500 | 820 | 60 | 916 | 788 | 469 | 403 | 10 | 754,00 |
| | 534 | 500 | 980 | 60 | 1.099 | 945 | 563 | 484 | 12 | 879,00 |
| | 534 | 500 | 1140 | 60 | 1.282 | 1.102 | 657 | 565 | 14 | 1.008,00 |
| SEBINO 600 | 634 | 600 | 500 | 60 | 627 | 539 | 319 | 274 | 6 | 532,00 |
| | 634 | 600 | 660 | 60 | 836 | 719 | 426 | 366 | 8 | 669,00 |
| | 634 | 600 | 820 | 60 | 1.045 | 898 | 532 | 457 | 10 | 808,00 |
| | 634 | 600 | 980 | 60 | 1.254 | 1.078 | 638 | 549 | 12 | 945,00 |
| | 634 | 600 | 1140 | 60 | 1.463 | 1.258 | 745 | 641 | 14 | 1.088,00 |
| SEBINO 700 | 734 | 700 | 500 | 60 | 701 | 603 | 356 | 306 | 6 | 567,00 |
| | 734 | 700 | 660 | 60 | 935 | 804 | 474 | 408 | 8 | 714,00 |
| | 734 | 700 | 820 | 60 | 1.169 | 1.005 | 593 | 510 | 10 | 867,00 |
| | 734 | 700 | 980 | 60 | 1.403 | 1.206 | 712 | 612 | 12 | 1.020,00 |
| | 734 | 700 | 1140 | 60 | 1.637 | 1.407 | 830 | 714 | 14 | 1.168,00 |
| SEBINO 800 | 834 | 800 | 500 | 60 | 774 | 665 | 391 | 336 | 6 | 600,00 |
| | 834 | 800 | 660 | 60 | 1.032 | 887 | 522 | 449 | 8 | 754,00 |
| | 834 | 800 | 820 | 60 | 1.290 | 1.109 | 652 | 561 | 10 | 922,00 |
| | 834 | 800 | 980 | 60 | 1.548 | 1.331 | 782 | 672 | 12 | 1.081,00 |
| | 834 | 800 | 1140 | 60 | 1.806 | 1.553 | 913 | 785 | 14 | 1.247,00 |
| SEBINO 900 | 934 | 900 | 500 | 60 | 844 | 726 | 425 | 365 | 6 | 723,00 |
| | 934 | 900 | 660 | 60 | 1.126 | 968 | 566 | 487 | 8 | 840,00 |
| | 934 | 900 | 820 | 60 | 1.407 | 1.210 | 708 | 609 | 10 | 1.029,00 |
| | 934 | 900 | 980 | 60 | 1.688 | 1.451 | 850 | 731 | 12 | 1.205,00 |
| | 934 | 900 | 1140 | 60 | 1.970 | 1.694 | 991 | 852 | 14 | 1.382,00 |
| SEBINO 1000 | 1034 | 1000 | 500 | 60 | 913 | 785 | 458 | 394 | 6 | 706,00 |
| | 1034 | 1000 | 660 | 60 | 1.217 | 1.046 | 610 | 524 | 8 | 895,00 |
| | 1034 | 1000 | 820 | 60 | 1.521 | 1.308 | 763 | 656 | 10 | 1.088,00 |
| | 1034 | 1000 | 980 | 60 | 1.825 | 1.569 | 916 | 788 | 12 | 1.276,00 |
| | 1034 | 1000 | 1140 | 60 | 2.129 | 1.831 | 1.068 | 918 | 14 | 1.465,00 |
| SEBINO 1200 | 1234 | 1200 | 340 | 60 | 697 | 599 | 348 | 299 | 4 | 548,00 |
| | 1234 | 1200 | 500 | 60 | 1.045 | 898 | 522 | 449 | 6 | 771,00 |
| | 1234 | 1200 | 660 | 60 | 1.394 | 1.199 | 696 | 598 | 8 | 982,00 |
| | 1234 | 1200 | 820 | 60 | 1.742 | 1.498 | 870 | 748 | 10 | 1.194,00 |
| | 1434 | 1400 | 340 | 60 | 782 | 672 | 388 | 334 | 4 | 593,00 |
| SEBINO 1400 | 1434 | 1400 | 500 | 60 | 1.173 | 1.009 | 582 | 500 | 6 | 840,00 |
| | 1434 | 1400 | 660 | 60 | 1.564 | 1.345 | 776 | 667 | 8 | 1.081,00 |
| | 1434 | 1400 | 820 | 60 | 1.955 | 1.681 | 970 | 834 | 10 | 1.312,00 |
| | 1634 | 1600 | 340 | 60 | 864 | 743 | 429 | 369 | 4 | 662,00 |
| SEBINO 1600 | 1634 | 1600 | 500 | 60 | 1.297 | 1.115 | 643 | 553 | 6 | 911,00 |
| | 1634 | 1600 | 660 | 60 | 1.729 | 1.487 | 858 | 738 | 8 | 1.170,00 |
| | 1634 | 1600 | 820 | 60 | 2.161 | 1.858 | 1.072 | 922 | 10 | 1.428,00 |
| | 1834 | 1800 | 340 | 60 | 944 | 812 | 468 | 402 | 4 | 698,00 |
| SEBINO 1800 | 1834 | 1800 | 500 | 60 | 1.417 | 1.218 | 703 | 604 | 6 | 982,00 |
| | 1834 | 1800 | 660 | 60 | 1.889 | 1.624 | 937 | 806 | 8 | 1.260,00 |
| | 1834 | 1800 | 820 | 60 | 2.361 | 2.030 | 1.171 | 1.007 | 10 | 1.538,00 |
| | 2034 | 2000 | 340 | 60 | 1.026 | 882 | 509 | 438 | 4 | 725,00 |
| SEBINO 2000 | 2034 | 2000 | 500 | 60 | 1.538 | 1.322 | 763 | 656 | 6 | 1.055,00 |
| | 2034 | 2000 | 660 | 60 | 2.051 | 1.763 | 1.018 | 875 | 8 | 1.350,00 |
| | 2034 | 2000 | 820 | 60 | 2.564 | 2.205 | 1.272 | 1.094 | 10 | 1.649,00 |

MODELO ULISSE

El modelo ULISSE está formado por tubos radiantes redondos de \varnothing 25 mm. Su forma de cadencia regular facilita la introducción de las toallas. Se suministra con tres soportes y una válvula purgador 1/2".



| COD. | Alto mm. (H) | Ancho mm. (L) | Entre Ejes mm. (I) | Potencia Térmica $\Delta T50^\circ$ EN 442 Vatios/Kcal/h. | Blanco (RAL 9010) | Color A* | Color B* | Color C* | Cromado* |
|------------|--------------------------------|---------------|--------------------|---|-------------------|----------|----------|----------|----------|
| | | | | | € | € | € | € | € |
| GCU(C)0740 | 766 17 tubos 1 espacio | 400 | 352 | 330/283 | 133,60 | 236,60 | 244,90 | 274,00 | 548,25 |
| GCU(C)0745 | | 450 | 402 | 362/311 | 135,75 | 240,75 | 250,10 | 280,20 | 558,90 |
| GCU(C)0750 | | 500 | 452 | 396/341 | 138,55 | 244,90 | 255,30 | 286,45 | 570,50 |
| GCU(C)0755 | | 550 | 502 | 430/370 | 143,45 | 255,30 | 264,65 | 295,80 | 591,85 |
| GCU(C)0760 | | 600 | 552 | 463/398 | 144,85 | 256,35 | 267,75 | 299,95 | 599,60 |
| GCU(C)0775 | | 750 | 702 | 565/486 | 150,50 | 265,70 | 277,10 | 309,25 | 618,00 |
| GCU(C)0710 | | 1000 | 952 | 735/632 | 159,65 | 283,30 | 293,70 | 327,95 | 0,00 |
| GCU(C)1240 | 1185 26 tubos 2 espacios | 400 | 352 | 486/417 | 192,00 | 339,35 | 351,80 | 395,40 | 788,45 |
| GCU(C)1245 | | 450 | 402 | 538/463 | 194,80 | 345,60 | 359,10 | 403,70 | 803,95 |
| GCU(C)1250 | | 500 | 452 | 592/509 | 198,30 | 350,80 | 365,30 | 410,95 | 818,50 |
| GCU(C)1255 | | 550 | 502 | 646/556 | 203,95 | 360,10 | 374,65 | 420,30 | 839,80 |
| GCU(C)1260 | | 600 | 552 | 700/602 | 205,35 | 365,30 | 379,85 | 424,45 | 848,50 |
| GCU(C)1275 | | 750 | 702 | 862/741 | 211,70 | 374,65 | 389,20 | 435,90 | 870,80 |
| GCU(C)1210 | | 1000 | 952 | 1132/974 | 216,60 | 384,00 | 398,50 | 446,25 | 0,00 |
| GCU(C)1540 | 1506 32 tubos 3 espacios | 400 | 352 | 612/526 | 231,35 | 412,00 | 427,60 | 478,45 | 956,05 |
| GCU(C)1545 | | 450 | 402 | 671/577 | 237,00 | 419,25 | 435,90 | 488,80 | 975,40 |
| GCU(C)1550 | | 500 | 452 | 733/630 | 241,20 | 427,60 | 445,20 | 498,15 | 996,70 |
| GCU(C)1555 | | 550 | 502 | 795/684 | 244,75 | 435,90 | 454,55 | 509,55 | 1.015,10 |
| GCU(C)1560 | | 600 | 552 | 858/738 | 247,55 | 439,00 | 456,65 | 512,70 | 1.022,85 |
| GCU(C)1575 | | 750 | 702 | 1045/899 | 257,40 | 455,60 | 472,20 | 528,25 | 1.057,75 |
| GCU(C)1510 | | 1000 | 952 | 1356/1166 | 267,95 | 475,30 | 494,00 | 552,10 | 0,00 |
| GCU(C)1840 | 1817 40 tubos 3 espacios | 400 | 352 | 750/645 | 278,50 | 492,95 | 512,70 | 574,95 | 1.145,90 |
| GCU(C)1845 | | 450 | 402 | 830/714 | 278,50 | 492,95 | 512,70 | 574,95 | 1.145,90 |
| GCU(C)1850 | | 500 | 452 | 909/782 | 282,70 | 501,25 | 523,05 | 584,30 | 1.169,15 |
| GCU(C)1855 | | 550 | 502 | 988/850 | 289,05 | 512,70 | 531,35 | 594,65 | 1.189,45 |
| GCU(C)1860 | | 600 | 552 | 1067/918 | 290,45 | 515,80 | 534,45 | 598,80 | 1.198,20 |
| GCU(C)1875 | | 750 | 702 | 1303/1121 | 302,40 | 533,45 | 556,25 | 622,70 | 1.245,65 |
| GCU(C)1810 | | 1000 | 952 | 1697/1459 | 317,85 | 563,55 | 587,40 | 657,95 | - |

(*) CONSULTAR CARTA COLORES (Y CÓDIGO (C) CORRESPONDIENTE)

TAPONES PARA RADIADOR



TAPÓN ZINC 1"

| MEDIDA | | COD. | € |
|-----------|-----|--------------|------|
| 1" | 100 | GZ5TCDCCH | 0,60 |
| 1" | 100 | GZ5TCIZQ | 0,60 |
| 1" x 1/8" | 100 | GZ5TR(D/I)A0 | 0,60 |
| 1" x 1/4" | 100 | GZ5TR(D/I)A1 | 0,60 |
| 1" x 3/8" | 100 | GZ5TR(D/I)A2 | 0,60 |
| 1" x 1/2" | 100 | GZ5TR(D/I)A3 | 0,60 |
| 1" x 3/4" | 100 | GZ5TR(D/I)A4 | 0,77 |

(D) Derecha (I) Izquierda



TAPÓN BLANCO 1"

| MEDIDA | | COD. | € |
|-----------|--------|--------------|------|
| 1" | 100 10 | GA5TCDCW | 0,84 |
| 1" | 100 10 | GA5TCIZW | 0,84 |
| 1" x 1/8" | 100 10 | GA5TR(D/I)W0 | 0,84 |
| 1" x 1/4" | 100 10 | GA5TR(D/I)W1 | 0,84 |
| 1" x 3/8" | 100 10 | GA5TR(D/I)W2 | 0,84 |
| 1" x 1/2" | 100 10 | GA5TR(D/I)W3 | 0,84 |
| 1" x 3/4" | 100 10 | GA5TR(D/I)W4 | 1,00 |

(D) Derecha (I) Izquierda



**TAPÓN ZINC 1"
CON GUARNICIÓN DE SILICONA**

| MEDIDA | | COD. | € |
|-----------|-----|--------------|------|
| 1" | 100 | GZ4TCDCCH | 0,77 |
| 1" | 100 | GZ4TCIZQ | 0,77 |
| 1" x 1/8" | 100 | GZ4TR(D/I)A0 | 0,77 |
| 1" x 3/8" | 100 | GZ4TR(D/I)A2 | 0,77 |
| 1" x 1/2" | 100 | GZ4TR(D/I)A3 | 0,77 |

(D) Derecha (I) Izquierda



**TAPÓN BLANCO 1"
CON GUARNICIÓN DE SILICONA**

| MEDIDA | | COD. | € |
|-----------|--------|--------------|------|
| 1" | 100 10 | GA4TCDCW | 1,00 |
| 1" | 100 10 | GA4TCIZW | 1,00 |
| 1" x 1/8" | 100 10 | GA4TR(D/I)W0 | 1,00 |
| 1" x 3/8" | 100 10 | GA4TR(D/I)W2 | 1,00 |
| 1" x 1/2" | 100 10 | GA4TR(D/I)W3 | 1,00 |

(D) Derecha (I) Izquierda



**TAPÓN ZINC 1" (Ø 47)
(RADIADOR CHAPA O
FUNDICIÓN)**

| MEDIDA | | COD. | € |
|-----------|-----|--------------|------|
| 1" | 100 | GZ5TC48D | 0,90 |
| 1" | 100 | GZ5TC48I | 0,90 |
| 1" x 1/8" | 100 | GZ548(D/I)A0 | 0,90 |
| 1" x 1/4" | 100 | GZ548(D/I)A1 | 0,90 |
| 1" x 3/8" | 100 | GZ548(D/I)A2 | 0,90 |
| 1" x 1/2" | 100 | GZ548(D/I)A3 | 0,90 |

(D) Derecha (I) Izquierda



**TAPÓN ZINC 1 1/4"
(RADIADOR CHAPA O
FUNDICIÓN)**

| MEDIDA | | COD. | € |
|---------------|----|--------------|------|
| 1 1/4" | 50 | GZ6TCDCCH | 2,20 |
| 1 1/4" | 50 | GZ6TCIZQ | 2,20 |
| 1 1/4" x 3/8" | 50 | GZ6TR(D/I)A2 | 2,45 |
| 1 1/4" x 1/2" | 50 | GZ6TR(D/I)A3 | 2,45 |
| 1 1/4" x 3/4" | 50 | GZ6TR(D/I)A4 | 3,00 |

(D) Derecha (I) Izquierda



**LLAVE NYLON
PARA TAPONES**

| MEDIDA | | COD. | € |
|----------|----|----------|------|
| 20-30mm. | 10 | RXXOMELL | 4,00 |

Nota: Los tapones de radiador poseen roscas cilíndricas concebidas para realizar una unión mecánica no estanca, por ello se hace necesario la incorporación de elementos sellantes externos que proporcionen garantía de estanqueidad.



KIT UNIVERSAL TAPONES ZINC 1"

| MEDIDA | CONTENIDO | COD. | € |
|-----------|---|----------|------|
| 1" x 1/2" | 2 reducciones Derecha, 2 reducciones Izquierda, 4 juntas de silicona, 1 tapón ciego con o-ring y 1 purgador. | GA50ZKIT | 5,70 |
| 1" x 3/8" | | GA38ZKIT | 5,70 |



KIT UNIVERSAL TAPONES BLANCOS 1"

| MEDIDA | CONTENIDO | COD. | € |
|-----------|---|----------|------|
| 1" x 1/2" | 2 reducciones Derecha, 2 reducciones Izquierda, 4 juntas de silicona, 1 tapón ciego con o-ring y 1 purgador. | GA50WKIT | 6,80 |
| 1" x 3/8" | | GA38WKIT | 6,80 |



KIT UNIVERSAL TAPONES ZINC 1" + PURGADOR AUTOMÁTICO DE BOYA CROMADO

| CONTENIDO | COD. | € |
|---|----------|-------|
| 2 reducciones Derecha 1" x 1/2", 1 tapón ciego Izquierda 1", 3 juntas de silicona y 1 purgador automático de boya 1" Izquierda. | GA50ZKPD | 10,20 |
| 2 reducciones Izquierda 1" x 1/2", 1 tapón ciego Derecha 1", 3 juntas de silicona y 1 purgador automático de boya 1" Derecha. | GA50ZKPI | 10,20 |



KIT UNIVERSAL TAPONES BLANCOS 1" + PURGADOR AUTOMÁTICO DE BOYA BLANCO

| CONTENIDO | COD. | € |
|---|----------|-------|
| 2 reducciones Derecha 1" x 1/2", 1 tapón ciego Izquierda 1", 3 juntas de silicona y 1 purgador automático de boya 1" Izquierda. | GA50WKPD | 13,00 |
| 2 reducciones Izquierda 1" x 1/2", 1 tapón ciego Derecha 1", 3 juntas de silicona y 1 purgador automático de boya 1" Derecha. | GA50WKPI | 13,00 |



KIT UNIVERSAL TAPONES ZINC 1" + SOPORTES RADIADOR ZINC

| MEDIDA | CONTENIDO | COD. | € |
|-----------|---|----------|------|
| 1" x 1/2" | 2 reducciones Derecha, 2 reducciones Izquierda, 4 juntas de silicona, 1 tapón ciego con o-ring, 1 purgador y 2 soportes aplastados (con tacos Ø 10 x 80). | GA50ZKIS | 6,80 |
| 1" x 3/8" | | GA38ZKIS | 6,80 |



KIT UNIVERSAL TAPONES BLANCOS 1" + SOPORTES RADIADOR BLANCOS

| MEDIDA | CONTENIDO | COD. | € |
|-----------|---|----------|------|
| 1" x 1/2" | 2 reducciones Derecha, 2 reducciones Izquierda, 4 juntas de silicona, 1 tapón ciego con o-ring, 1 purgador y 2 soportes aplastados (con tacos Ø 10 x 80). | GA50WKIS | 8,10 |
| 1" x 3/8" | | GA38WKIS | 8,10 |

JUNTAS PARA TAPONES RADIADOR



JUNTA ÚTIL POLIÉSTER PARA TAPÓN 1"

| 5.000 | 100 | COD. | € |
|-------|-----|----------|-------|
| | | GA7GUTIL | 0,105 |

(*) Se aconseja su NO utilización en instalaciones con ANTICONGELANTE u otros aditivos.



JUNTA ECOLÓGICA SIN AMIANTO PARA TAPÓN

| MEDIDA | Ø | ESPESOR | 100 | COD. | € |
|--------|----|---------|-----|--------------|-------|
| 1/2" | 27 | 1,5 mm. | 100 | GA7GECO3 (1) | 0,075 |
| 1" | 42 | 1,5 mm. | 100 | GA7GECO1 | 0,075 |
| 1" | 47 | 1,5 mm. | 100 | GA7GEC48 | 0,130 |
| 1 1/4" | 56 | 1,5 mm. | 100 | GA7GECO6 | 0,170 |

(1) Hasta fin de existencias

PURGADORES



**PURGADOR MANUAL ORIENTABLE
("DE MONEDA")**

| MEDIDA | | COD. | € |
|--------|----------|----------|------|
| 1/8" | 1.000 50 | RXX19002 | 1,00 |



**PURGADOR AUTOMÁTICO
DE BOYA 1"**

| TIPO | ACABADO | | COD. | € |
|-----------|-----------|--------|----------|------|
| Derecha | Niquelado | 100 10 | GA13PURD | 6,00 |
| Izquierda | Niquelado | 100 10 | GA13PURI | 6,00 |
| Derecha | Blanco | 100 10 | GA13PBLD | 7,70 |
| Izquierda | Blanco | 100 10 | GA13PBLL | 7,70 |



PURGADOR AUTOMÁTICO

| MEDIDA | | COD. | € |
|--------|-------|----------|------|
| 3/8" | 80 10 | RX970002 | 8,50 |
| 1/2" | 80 10 | RX970003 | 8,60 |



**PURGADOR AUTOMÁTICO
"MINI"**

| MEDIDA | | COD. | € |
|--------|-------|----------|------|
| 3/8" | 80 10 | RX970B02 | 6,80 |
| 1/2" | 80 10 | RX970B03 | 7,00 |



**VÁLVULA RETENCIÓN
PARA PURGADOR**

| MEDIDA | | COD. | € |
|---------------|-----|----------|------|
| H3/8" - M3/8" | 100 | RX971002 | 1,60 |
| H1/2" - M1/2" | 100 | RX971003 | 1,95 |

SOPORTES PARA RADIADOR



**SOPORTE TELESCÓPICO ZINC
Ø 7MM. (2 UNID. + TACOS)**

| | COD. | € BOLSA 2 UNID. |
|-------------------|----------|--------------------|
| 50 bolsas 2 unid. | RXX94201 | 1,20 |



**SOPORTE TELESCÓPICO
APLASTADO ZINC Ø 7MM.
(2 UNID. + TACOS)**

| | COD. | € BOLSA 2 UNID. |
|-------------------|----------|--------------------|
| 50 bolsas 2 unid. | RXX942MS | 1,30 |



**SOPORTE TELESCÓPICO APLASTADO
BLANCO PLASTIFICADO
Ø 7MM. (2 UNID. + TACOS)**

| | LONGITUD mm. | COD. | € BOLSA 2 UNID. |
|-------------------|-----------------|----------|-----------------------|
| 50 bolsas 2 unid. | 170 mm. | RXX942MB | 1,95 |
| 50 bolsas 2 unid. | 195 mm. | RXX94LMB | 2,40 |



JUEGO SOPORTE REGULABLE 1" (2 UND)

| | | |
|----|----------|------|
| | COD. | € |
| 50 | GA5SORE2 | 2,90 |



SOPORTE FIJO 1"

| | | |
|----|----------|------|
| | COD. | € |
| 50 | GA5SOFIJ | 0,95 |



SOPORTE RECTO PARA EMPOTRAR

| | | |
|-----|----------|------|
| | COD. | € |
| 100 | GA1SOEMP | 0,68 |



95mm. largo Total (75mm. mitad curva) 2mm. ESPESOR

SOPORTE A ESCUADRA REVERSIBLE

| | | | |
|---------------------|-----|----------|------|
| ACABADO | | COD. | € |
| Blanco Plastificado | 100 | GA3SOBRE | 1,60 |



SOPORTE DE NYLON (1 PATILLA)

| | | |
|-----|----------|------|
| | COD. | € |
| 500 | GA3STERM | 0,60 |



SOPORTE NYLON 3 PATILLAS

| | | |
|-----|----------|------|
| | COD. | € |
| 500 | GA3STER3 | 0,60 |



SOPORTE DE NYLON "ANTI-RUIDO" (1 PATILLA)

| | | |
|-----|----------|------|
| | COD. | € |
| 500 | GA3SUTIL | 0,60 |



MOD. UNIVERSAL PARA CUALQUIER TIPO DE RADIADOR

SOPORTE DE NYLON 3 PATILLAS

| | | |
|-----|----------|------|
| | COD. | € |
| 500 | GA3SUNI3 | 0,62 |



SOPORTE REGULABLE UNIVERSAL BLANCO (2 UND)

| | | |
|-------|----------|------|
| | COD. | € |
| 100 1 | GA27SREG | 6,90 |



SOPORTE PARA SUELO

| | | | |
|---------|---|----------|-------|
| ACABADO | | COD. | € |
| Blanco | 2 | GA15DOBL | 40,00 |



OTROS ACCESORIOS



CASQUILLOS

| MEDIDA | | COD. | € |
|--------|-----|----------|------|
| 1" | 100 | GA9CASQ1 | 0,37 |
| 1 1/4" | 50 | GA9CASQ6 | 0,70 |



JUNTA ECOLÓGICA SIN AMIANTO PARA CASQUILLOS (espesor 1mm.)

| MEDIDA | | COD. | € |
|---------------|-----|----------|-------|
| 1" (Ø 42) | 100 | GA8GCEC5 | 0,070 |
| 1" (Ø 48) | 100 | GA8GCE48 | 0,095 |
| 1 1/4" (Ø 56) | 100 | GA8GCEC6 | 0,165 |



FLORÓN UNIVERSAL

| MEDIDA | | COD. | € | |
|-------------|-------|------|----------|------|
| 10 - 25 mm. | 1.000 | 100 | RAFU1025 | 0,30 |



FLORÓN ELÁSTICO PARA TUBOS

| MEDIDA | | COD. | € | |
|-------------|-------|------|---------|-------|
| 10 - 22 mm. | 3.000 | 100 | RAFUTIL | 0,115 |



FLORÓN UNIVERSAL DOBLE

| MEDIDA | | COD. | € | |
|---------------------|-----|------|----------|------|
| 35 mm. - entre ejes | 500 | 25 | RAFUDOBL | 0,50 |



LACA SPRAY BLANCA

| | COD. | € |
|----|----------|------|
| 12 | GA1BLACA | 7,70 |



LLAVE DE MONTAJE CON PALANCA

| | COD. | € |
|---|----------|-------|
| 1 | GA13LLAV | 46,00 |



CASQUILLO (30 mm.) PARA RADIADORES "OSCAR" Y "EKOS PLUS"

| | COD. | € |
|----|----------|------|
| 50 | GOSNIPLE | 0,70 |



DIAFRAGMA PARA "OSCAR" Y "EKOS PLUS"

| | COD. | € |
|---|----------|------|
| 1 | GOSDIAFR | 3,60 |



GUARNICIÓN O-RING PARA TAPÓN Y CASQUILLO DE MODELOS "OSCAR", "JUNIOR" Y "EKOS PLUS"

| | COD. | € |
|----|----------|------|
| 10 | GOSGUARN | 0,80 |



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VÁLVULAS
CIMBERIO

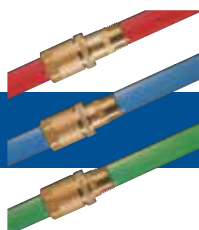
valve
cim



VÁLVULAS DE COMPUERTA



VÁLVULAS DE EQUILIBRIO / VÁLVULAS INDUSTRIALES



RACORES



VÁLVULAS DE ESFERA



SOLAR TÉRMICO



VÁLVULAS DE ESFERA PARA ACOMETIDA DE AGUAS



VÁLVULAS DE ESFERA CON ACTUADOR
VÁLVULAS MEZCLADORAS CON ACTUADOR



GRIFOS, BOCAS DE RIEGO DE ESFERA
Y VÁLVULAS DE ESFERA SERIE "MINI"



VÁLVULAS Y LLAVES DE ESFERA PARA GAS

SOLICITAR CATÁLOGO CIMBERIO

cim 10



Robinet à boisseau sphérique à passage intégral SÉRIE T10 Válvula de esfera de paso total SERIE T10

cim 310

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------------|------|------|------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | 6,84 | 6,84 | 9,90 | 15,24 | 20,94 | 33,60 | 43,62 | 72,19 | 165,75 | 246,14 | 437,83 |
| Box Cim 10 | 50 | 50 | 25 | 16 | 12 | 6 | 5 | 3 | 2 | 1 | 1 |
| Cart. Cim 10 | 100 | 100 | 100 | 64 | 48 | 24 | 20 | 12 | 4 | 2 | 2 |
| Box Cim 310 | 50 | 50 | 35 | 20 | 15 | 10 | 6 | 3 | - | - | - |
| Cart. Cim 310 | 100 | 100 | 140 | 80 | 60 | 40 | 24 | 12 | - | - | - |

cim 12



Robinet à boisseau sphérique à passage intégral SÉRIE T12 Válvula de esfera de paso total SERIE T12

cim 312

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-----------------|------|------|------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | 5,44 | 5,44 | 7,81 | 11,24 | 16,64 | 24,22 | 36,19 | 53,81 | 123,86 | 187,11 | 290,01 |
| Box Cim 11-12 | 50 | 50 | 40 | 25 | 16 | 10 | 6 | 4 | 2 | 2 | 2 |
| Cart. Cim 11-12 | 200 | 200 | 160 | 100 | 64 | 40 | 24 | 16 | - | - | - |
| Box Cim 312 | 50 | 50 | 50 | 30 | 20 | 12 | 7 | 4 | - | - | - |
| Cart. Cim 312 | 200 | 200 | 200 | 120 | 80 | 48 | 28 | 16 | - | - | - |

cim 12 NPT



Robinet à boiss. sphér. à pass. intégral fil. "NPT" SÉRIE T12 Válvula de esfera de paso total ros. "NPT" SERIE T12

312 NPT

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---------------------|------|------|------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | 5,44 | 5,44 | 7,81 | 11,24 | 16,64 | 24,22 | 36,19 | 53,81 | 123,86 | 187,11 | 290,01 |
| Box Cim 11-12 NPT | 50 | 50 | 40 | 25 | 16 | 10 | 6 | 4 | 2 | 2 | 2 |
| Cart. Cim 11-12 NPT | 200 | 200 | 160 | 100 | 64 | 40 | 24 | 16 | - | - | - |
| Box Cim 312 NPT | 50 | 50 | 50 | 30 | 20 | 12 | 7 | 4 | - | - | - |
| Cart. Cim 312 NPT | 200 | 200 | 200 | 120 | 80 | 48 | 28 | 16 | - | - | - |

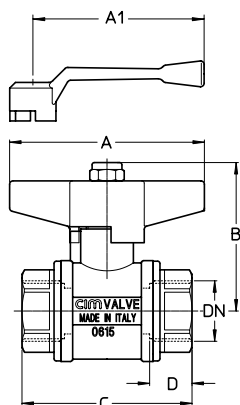
cim 12 CR



Robinet à boiss. sphér. à pass. intégral en laiton "CR" SÉRIE T12 Válvula de esfera de paso total de latón "CR" brass SERIE T12

cim 312 CR

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|--------------------|------|------|------|-------|-------|--------|--------|-------|--------|----|----|
| € | 6,86 | 6,86 | 9,59 | 13,73 | 20,33 | 30,39 | 44,08 | 65,77 | - | - | - |
| Box Cim 11-12 CR | 50 | 50 | 40 | 25 | 16 | 10 | 6 | 4 | - | - | - |
| Cart. Cim 11-12 CR | 200 | 200 | 160 | 100 | 64 | 40 | 24 | 16 | - | - | - |
| Box Cim 312 CR | 50 | 50 | 50 | 30 | 20 | 12 | 7 | 4 | - | - | - |
| Cart. Cim 312 CR | 200 | 200 | 200 | 120 | 80 | 48 | 28 | 16 | - | - | - |



| | DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---|--------|------|------|------|------|------|--------|--------|------|--------|-------|-------|
| Cim 10 Cim 310 | Grms. | 180 | 185 | 340 | 610 | 830 | 1325 | 1730 | 3000 | 5800 | 8400 | 13500 |
| | A | 50 | 50 | 70 | 85 | 85 | 100 | 100 | 100 | - | - | - |
| | A1 | 80 | 80 | 100 | 120 | 120 | 150 | 150 | 150 | 240 | 240 | 310 |
| | B - A1 | 55 | 55 | 59 | 72 | 76 | 95 | 100 | 107 | 142,5 | 153,5 | 184,5 |
| | C | 47 | 50 | 64 | 74 | 88 | 101 | 106 | 130 | 158 | 183 | 222 |
| Cim 12 Cim 12 CR Cim 11 Cim 11 CR Cim 312 Cim 312 CR | Grms. | 115 | 120 | 220 | 360 | 590 | 915 | 1355 | 2060 | 4255 | 6210 | 10000 |
| | A | 43 | 43 | 50 | 70 | 70 | 85 | 100 | 100 | - | - | - |
| | A1 | 65 | 65 | 80 | 100 | 100 | 120 | 150 | 150 | 240 | 240 | 310 |
| | B - A1 | 33 | 33 | 57 | 62 | 66 | 79 | 100 | 107 | 142,5 | 153,5 | 184,5 |
| | C | 45 | 47 | 61 | 68 | 82 | 92 | 106 | 125 | 150,5 | 171 | 205 |
| Cim 11 NPT Cim 12 NPT Cim 312 NPT | Grms. | 115 | 120 | 200 | 330 | 480 | 785 | 1165 | 1660 | 3100 | 4250 | 7100 |
| | A | 43 | 43 | 50 | 70 | 70 | 85 | 100 | 100 | - | - | - |
| | A1 | 65 | 65 | 80 | 100 | 100 | 120 | 150 | 150 | 240 | 240 | 310 |
| | B - A1 | 33 | 33 | 57 | 62 | 66 | 80 | 100 | 107 | 142,5 | 153,5 | 184,5 |
| | C | 47 | 47 | 61 | 68 | 82 | 92 | 106 | 125 | 150,5 | 171 | 205 |
| D | 11,5 | 12,5 | 17 | 18,5 | 21 | 22,5 | 23 | 26,5 | 27 | 28 | 35 | |

cim 14



Robinet à boisseau sphérique à passage intégral SÉRIE T14
Válvula de esfera de paso total SERIE T14

cim 314



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------------------|------|------|------|------|-------|--------|--------|-------|--------|--------|--------|
| € | 5,44 | 5,44 | 6,68 | 9,31 | 12,82 | 20,64 | 31,10 | 47,01 | 93,05 | 132,40 | 223,77 |
| Box Cim 14-14 M | 50 | 50 | 40 | 25 | 20 | 12 | 6 | 4 | 4 | 2 | 2 |
| Cart. Cim 14-14 M | 200 | 200 | 160 | 100 | 80 | 48 | 24 | 16 | | | |
| Box Cim 314 | 50 | 50 | 50 | 30 | 20 | 12 | 8 | 5 | | | |
| Cart. Cim 314 | 200 | 200 | 200 | 120 | 80 | 48 | 32 | 20 | | | |



cim 16



Robinet à boisseau sphérique à passage intégral SÉRIE T16
Válvula de esfera de paso total SERIE T16

cim 316



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|-----------------|------|------|------|------|-------|--------|--------|-------|
| € | 5,44 | 5,44 | 7,02 | 9,77 | 13,45 | 21,20 | 32,66 | 49,34 |
| Box Cim 16-17 | 50 | 50 | 40 | 25 | 16 | 10 | 6 | 4 |
| Cart. Cim 16-17 | 100 | 100 | 160 | 100 | 64 | 40 | 24 | 16 |
| Box Cim 316 | 50 | 50 | 50 | 30 | 20 | 10 | 7 | 4 |
| Cart. Cim 316 | 100 | 100 | 200 | 120 | 80 | 40 | 28 | 16 |



cim 16.1 NPT



Robinet à boiss. sphér. à pass. intégral fil. "NPT" SÉRIE T16
Válvula de esfera de paso total ros. "NPT" SERIE T16

316.1 NPT



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|---------------------|------|------|------|------|-------|--------|--------|-------|
| € | 5,44 | 5,44 | 6,10 | 8,50 | 12,43 | 19,53 | 31,12 | 45,72 |
| Box 16.1-17.1 NPT | 50 | 50 | 40 | 25 | 16 | 10 | 6 | 4 |
| Cart. 16.1-17.1 NPT | 100 | 100 | 160 | 100 | 64 | 40 | 24 | 16 |
| Box Cim 316.1 NPT | 50 | 50 | 50 | 30 | 20 | 10 | 7 | 4 |
| Cart. Cim 316.1 NPT | 100 | 100 | 200 | 120 | 80 | 40 | 28 | 16 |



cim 16 CR

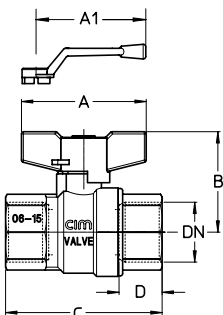


Robinet à boiss. sphér. à pass. intégral en laiton "CR" SÉRIE T16
Válvula de esfera de paso total de latón "CR" brass SERIE T16

cim 316 CR



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|--------------------|------|------|------|------|-------|--------|--------|-------|
| € | - | - | 6,59 | 9,39 | 14,03 | 21,65 | 34,94 | 51,98 |
| Box Cim 16-17 CR | - | - | 40 | 30 | 16 | 10 | 6 | 4 |
| Cart. Cim 16-17 CR | - | - | 160 | 120 | 64 | 40 | 24 | 16 |
| Box Cim 316 CR | - | - | 50 | 30 | 20 | 10 | 7 | 4 |
| Cart. Cim 316 CR | - | - | 200 | 120 | 80 | 40 | 28 | 16 |



| | DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---|--------|------|------|------|------|------|--------|--------|-------|--|-------|-------|
| Cim 14 Cim 14 M Cim 314 | Grms. | 115 | 120 | 200 | 330 | 480 | 785 | 1165 | 1660 | 3100 | 4250 | 7100 |
| | A | 43 | 43 | 50 | 70 | 70 | 85 | 100 | 100 | - | - | - |
| | A1 | 65 | 65 | 80 | 100 | 100 | 120 | 150 | 150 | 240 | 240 | 240 |
| | B - A1 | 33 | 33 | 57 | 62 | 66 | 79 | 100 | 107 | 137,5 | 146,5 | 161,5 |
| | C | 45 | 47 | 52 | 57 | 68 | 81 | 95,5 | 112 | 133 | 150 | 177 |
| Cim 16 Cim 17 Cim 316 | Grms. | 115 | 120 | 190 | 300 | 495 | 760 | 1170 | 1740 | Cim 11-11CR-11NPT-14M L'étanchéité sur la tige est garantie par deux O-Rings en FKM. La tige est placée à l'intérieur de la capsule scellée au corps du robinet. | | |
| | A | 43 | 43 | 55 | 55 | 75 | 75 | 105 | 105 | La estanqueidad del eje está garantizada con dos O-rings de FKM. El eje está alojado en el interior de una capsula sellada al cuerpo de la válvula. | | |
| | A1 | 65 | 65 | 90 | 90 | 110 | 110 | 150 | 150 | Cim 16-17-16CR-17CR Cim 16.1 NPT - 17.1 NPT La tige antiéclabotante est placée à l'intérieur du robinet. L'étanchéité est assurée par deux O-rings en HNBR/75. | | |
| | B - A1 | 33 | 33 | 50 | 54 | 63 | 72 | 82 | 90 | El eje de tipo antiestallido está dentro de la válvula. La estanqueidad se garantiza a través de 2 O-rings de HNBR/75. | | |
| | C | 45 | 47 | 62 | 69 | 83,5 | 96 | 109 | 130,5 | | | |
| Cim 16 CR Cim 17 CR Cim 316 CR Cim 16.1 NPT Cim 17.1 NPT Cim 316.1 NPT | Grms. | 115 | 120 | 185 | 280 | 465 | 710 | 1060 | 1590 | | | |
| | A | 43 | 43 | 55 | 55 | 75 | 75 | 105 | 105 | | | |
| | A1 | 65 | 65 | 90 | 90 | 110 | 110 | 150 | 150 | | | |
| | B - A1 | 33 | 33 | 50 | 54 | 63 | 72 | 82 | 90 | | | |
| | C | 45 | 47 | 55 | 60 | 74 | 81 | 96 | 112 | | | |
| D | 11,5 | 12,5 | 14 | 14,5 | 17 | 17,5 | 18 | 20 | | | | |

cim 406



cim 407



cim 408



Robinet à boisseau sphérique SÉRIE T10 comm.ande par capuchon 28x28
 Válvulas de esfera SERIE T10 con cuadradillo 28x28



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" |
|-------------|-------|-------|-------|-------|-------|--------|--------|-------|--------|--------|
| € Cim 406 | 10,48 | 10,51 | 14,37 | 20,68 | 26,54 | 39,85 | 50,40 | 82,24 | 202,13 | 306,08 |
| Box Cim 406 | 50 | 50 | 30 | 20 | 12 | 10 | 6 | 3 | 2 | 1 |
| € Cim 407 | 10,73 | 10,94 | 14,61 | 21,72 | 27,34 | 41,73 | 53,28 | 84,85 | - | - |
| Box Cim 407 | 50 | 50 | 30 | 20 | 12 | 10 | 6 | 3 | - | - |
| € Cim 408 | 10,98 | 11,30 | 14,91 | 22,77 | 28,13 | 43,65 | 56,14 | 86,70 | - | - |
| Box Cim 408 | 50 | 50 | 30 | 20 | 12 | 10 | 6 | 3 | - | - |

cim 406/12



cim 407/12



cim 408/12



Robinet à boisseau sphérique SÉRIE T12 comm.ande par capuchon 28x28
 Válvulas de esfera SERIE T12 con cuadradillo 28x28



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" |
|----------------|------|------|-------|-------|-------|--------|--------|-------|--------|--------|
| € Cim 406/12 | - | - | 11,36 | 14,87 | 20,55 | 30,16 | 42,28 | 63,53 | 149,55 | 215,93 |
| Box Cim 406/12 | - | - | 40 | 25 | 20 | 12 | 7 | 4 | 2 | 1 |
| € Cim 407/12 | - | - | 11,49 | 15,10 | 20,85 | 30,39 | 42,86 | 64,45 | - | - |
| Box Cim 407/12 | - | - | 40 | 25 | 20 | 12 | 7 | 4 | - | - |
| € Cim 408/12 | - | - | 12,02 | 15,58 | 21,40 | 30,90 | 43,43 | 64,97 | - | - |
| Box Cim 408/12 | - | - | 40 | 25 | 20 | 12 | 7 | 4 | - | - |

cim 406/14



cim 407/14



cim 408/14



Robinet à boisseau sphérique SÉRIE T14 comm.ande par capuchon 28x28
 Válvulas de esfera SERIE T14 con cuadradillo 28x28



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" |
|----------------|------|------|-------|-------|-------|--------|--------|-------|--------|--------|
| € Cim 406/14 | - | - | 10,73 | 13,66 | 17,71 | 26,92 | 38,22 | 53,60 | 116,59 | 167,30 |
| Box Cim 406/14 | - | - | 40 | 25 | 20 | 12 | 8 | 5 | 2 | 1 |
| € Cim 407/14 | - | - | 10,98 | 14,16 | 18,34 | 27,72 | 39,47 | 56,68 | - | - |
| Box Cim 407/14 | - | - | 40 | 25 | 20 | 12 | 8 | 5 | - | - |
| € Cim 408/14 | - | - | 12,02 | 15,58 | 21,40 | 30,90 | 43,43 | 64,97 | - | - |
| Box Cim 408/14 | - | - | 40 | 25 | 20 | 12 | 8 | 5 | - | - |

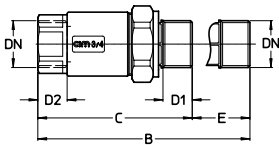


Le raccord télescopique en trois pièces Racor telescópico de dilatación de 3 piezas

cim 341

**Raccord télescopique en trois pièces femelle/mâle
Racor de dilatación de 3 piezas - hembra/macho**


| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|-------|-------|-------|-------|--------|--------|-------|
| € | 10,78 | 12,89 | 18,48 | 30,45 | 31,97 | 46,20 |
| Box | 40 | 25 | 15 | 10 | 12 | 7 |
| Cart. | 160 | 100 | 60 | 40 | 48 | 28 |



| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|-------|------|-------|-------|--------|--------|------|
| Grms. | 245 | 320 | 465 | 725 | 855 | 1395 |
| B | 113 | 119,5 | 130,5 | 128,5 | 132 | 144 |
| C | 81 | 87 | 96 | 103,5 | 107 | 119 |
| D1 | 15 | 16,5 | 19 | 20 | 20 | 23 |
| D2 | 14,5 | 16,5 | 19 | 22,5 | 22 | 25 |
| E | 32 | 32,5 | 34,5 | 25 | 25 | 25 |

Pour un emploi correct, il est recommandé d'installer le raccord télescopique avec une ouverture de 50% pour garantir une dilatation appropriée.

Para su uso correcto, se recomienda instalar el racor telescópico con una apertura del 50% para garantizar una dilatación adecuada.

UTILISATIONS: *furbo* résout aussi bien les problèmes dans les installations traditionnelles que spécifiques.

Il a été étudié en particulier pour les installations hydrauliques, de chauffage, sanitaires, pneumatiques et similaires, et il permet de raccorder facilement les extrémités opposées des tuyauteries, ou une extrémité d'une tuyauterie avec un composant hydraulique, comme une vanne, un compteur, une pompe de chauffage ou autre, qui doit être incorporé dans l'installation.

APLICACIONES: *furbo* resuelve los problemas de las instalaciones tradicionales y de las instalaciones específicas.

Se ha diseñado especialmente para las instalaciones hidráulicas, de calefacción, sanitarias, neumáticas y similares. Permite unir de manera rápida y sencilla los extremos contrapuestos de tubos o un extremo y un racor de un componente hidráulico como una válvula, un contador, una bomba de calefacción o similar que se quiera incorporar a la instalación.


ATOUTS:

- Sa construction permet une installation facile et rapide parce qu'il s'adapte chaque fois aux distances entre les filetages à raccorder.
- Élimination du réglage complémentaire et de l'adaptation parce que les différentes longueurs des parties à remplacer, comme les vannes, sont compensées par l'extensibilité du raccord.
- Son adaptabilité en fait une pièce facile à monter et à démonter dans les nouvelles installations ou dans les installations en cours de réparation, ou exigeant le remplacement de pièces.
- Remplacement à grandes tolérances de la partie du tube percée ou cassée en excluant les opérations d'adaptation ultérieures.
- *furbo* peut s'employer sur des installations de pompes ou thermiques, dans les points sollicités thermiquement, en servant simultanément de joint et de **RACCORD TÉLESCOPIQUE**.
- L'élasticité de *furbo* permet d'absorber parfaitement les dilatactions du tuyau, en éliminant toutes contraintes mécaniques qui pourraient agir négativement sur les points de raccordement des filetages.

VENTAJAS:

- Su diseño permite una aplicación sencilla y rápida adaptándose en cada caso a la distancia entre las rosas que hay que unir.
- Eliminación de trabajos suplementarios y de adaptación puesto que las diferencias de longitud frecuentes entre los componentes que hay que sustituir (ej. las válvulas) se compensan con la extensión del racor.
- Fácil montaje y desmontaje tanto en las nuevas instalaciones como en las ya existentes en las que haya que realizar reparaciones o sustituir componentes, gracias a su adaptabilidad.
- Sustitución con amplias tolerancias de la parte de la tubería que tiene pérdidas o está rota, eliminando, por tanto, los trabajos posteriores de adaptación.
- Además, *furbo* se puede utilizar en instalaciones de bombas o instalaciones térmicas, en puntos afectados térmicamente, sirviendo al mismo tiempo de racor y de **JUNTA DE DILATACIÓN**.
- La elasticidad de *furbo* permite absorber totalmente las dilataciones que se producen en el tubo evitando los esfuerzos mecánicos que podrían afectar negativamente a las uniones roscadas.

cim 34



Rubistar
Robinet à boisseau sphérique avec porte-caoutchouc - nickelé
Grifo de esfera con portagoma - niquelado

| DN | 3/8" | 1/2" | 3/4" | 1" |
|---------------|------|------|-------|-------|
| € | 8,72 | 8,72 | 13,63 | 21,89 |
| Box Cim 34 | 25 | 25 | 20 | 10 |
| Cart. Cim 34 | 100 | 100 | 80 | 40 |
| Box Cim 334 | 30 | 25 | 20 | 10 |
| Cart. Cim 334 | 120 | 100 | 80 | 40 |

cim 334



cim 34 PL



Rubistar
Robinet à boisseau sphérique avec fente porte-cadenas
Grifo de esfera con ranura portacandado

| DN | 3/8" | 1/2" | 3/4" | 1" |
|--------------|-------|-------|-------|----|
| € Cim 34 PL | 11,66 | 11,66 | 16,90 | - |
| Box | 25 | 20 | 15 | - |
| Cart. | 100 | 80 | 60 | - |
| € Cim 34 LUC | 24,84 | 24,84 | 29,95 | - |

cim 34 LUC



cim 34 NR



Rubistar
Robinet à boisseau sphérique avec clapet de non-retour
Grifo de esfera con válvula antirretorno

| DN | 3/8" | 1/2" | 3/4" | 1" |
|------------------|------|-------|-------|----|
| € | - | 11,04 | 18,21 | - |
| Box Cim 34 NR | - | 25 | 20 | - |
| Cart. Cim 34 NR | - | 100 | 80 | - |
| Box Cim 334 NR | - | 25 | 20 | - |
| Cart. Cim 334 NR | - | 100 | 80 | - |

cim 334 NR



cim 34 SI



Rubistar
Robinet à boisseau sphérique avec poignée à serrure
Grifo de esfera con maneta y llave

| DN | 3/8" | 1/2" | 3/4" | 1" |
|---------------|-------|-------|-------|-------|
| € Cim 34 SI | 38,16 | 38,16 | 43,08 | 51,33 |
| Box | 20 | 20 | 15 | 10 |
| Cart. | 80 | 80 | 60 | 40 |
| € Cim 34 NRSI | - | 40,45 | 47,63 | - |

cim 34 NRSI



cim 36



Rubistar
Robinet à boisseau sphérique sans porte-caoutchouc - nickelé
Grifo de esfera sin portagoma - niquelado

| DN | 3/8" | 1/2" | 3/4" | 1" |
|---------------|------|------|-------|-------|
| € | 8,11 | 8,11 | 12,51 | 19,97 |
| Box Cim 36 | 25 | 25 | 20 | 10 |
| Cart. Cim 36 | 100 | 100 | 80 | 40 |
| Box Cim 336 | 30 | 30 | 20 | 15 |
| Cart. Cim 336 | 120 | 120 | 80 | 60 |

cim 336



cim 34 OT



RubiStar
Robinet à boisseau sphérique avec poignée en laiton
Grifo de esfera con maneta de latón



| | | AVEC PORTE-CAOUTCHOUC / CON PORTAGOMA | |
|-----------------|--|---------------------------------------|-------|
| DN | | 1/2" | 3/4" |
| € Cim 34 OT | | 9,54 | 14,51 |
| Box Cim 34 OT | | 25 | 20 |
| Cart. Cim 34 OT | | 100 | 80 |

| | | RACCORD RAPIDE / UNIÓN RÁPIDA | |
|--------------------|--|-------------------------------|-------|
| DN | | 1/2" | 3/4" |
| € Cim 34 OT AR | | 26,07 | 38,31 |
| Box Cim 34 OT AR | | 15 | 10 |
| Cart. Cim 34 OT AR | | 60 | 40 |

cim 34 OT AR



cim 34 AR



RubiStar
Robinet à boisseau sphérique pour raccord rapide
Grifo de esfera para ataque rápido



| | | RACCORD RAPIDE ATAQUE RÁPIDO | |
|-------------------------------------|--|---------------------------------|----------|
| DN | | 1/2" | 3/4" |
| Tuyau en caoutchouc Tubo de goma | | Ø12 - 15 | Ø16 - 19 |
| € Cim 34 AR | | 25,26 | 37,43 |
| Box Cim 34 AR | | 15 | 10 |
| Cart. Cim 34 AR | | 60 | 40 |

| | | CON PORTAGOMm.A RÁPIDO CON PORTAGOMA RÁPIDORÁPIDO | |
|-------------------------------------|--|--|----------|
| DN | | 1/2" | 3/4" |
| Tuyau en caoutchouc Tubo de goma | | Ø12 - 15 | Ø16 - 19 |
| € Cim 34 PR | | 11,09 | 17,10 |
| Box Cim 34 PR | | 15 | 10 |
| Cart. Cim 34 PR | | 60 | 40 |

cim 34 PR



cim 35



Raccord rapide
Racor para ataque rápido

| | | Tuyau en caoutchouc Tubo de goma | |
|--------------|--|-------------------------------------|----------|
| DN | | Ø12 - 15 | Ø16 - 19 |
| € Cim 35 | | 19,25 | 24,40 |
| Box Cim 35 | | 50 | 50 |
| Cart. Cim 35 | | 100 | 100 |

| | | Tuyau en caoutchouc Tubo de goma | |
|---------------|--|-------------------------------------|----------|
| DN | | Ø12 - 15 | Ø16 - 19 |
| € Cim 35 PR | | 5,09 | 7,54 |
| Box Cim 35 PR | | 50 | 50 |
| € Cim 35 AR | | 14,17 | 16,87 |
| Box Cim 35 AR | | 50 | 50 |

cim 35 PR



cim 35 AR



cim 99

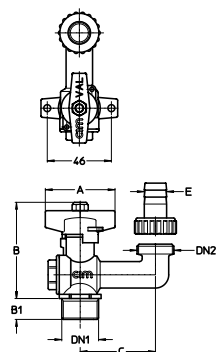


Cim 99 Robinet maraicher à boisseau sphérique - Cim 500 Garden box
Cim 99 boca de riego de esfera - Cim 500 Garden box

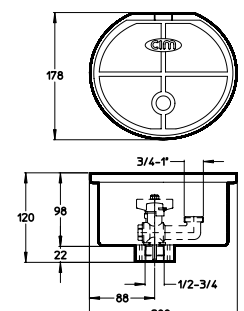


| DN | 1/2"x3/4" | 1/2"x1" | 3/4"x3/4" | 3/4"x1" | 1"x1 1/4" |
|---------------|-----------|---------|-----------|---------|-----------|
| € Cim 99 | 15,43 | - | 16,53 | 18,37 | 31,50 |
| Box Cim 99 | 25 | - | 25 | 20 | 8 |
| Cart. Cim 99 | 100 | - | 100 | 80 | 32 |
| € Cim 500 | 54,59 | 61,02 | 54,82 | 61,02 | - |
| Box Cim 500 | 2 | 2 | 2 | 2 | - |
| Cart. Cim 500 | 10 | 10 | 10 | 10 | - |

cim 500



| DN 1 x DN 2 | 1/2"x3/4" | 3/4"x3/4" | 3/4"x1" | 1"x1 1/4" |
|-------------|-----------|-----------|---------|-----------|
| Grms. | 360 | 365 | 420 | 830 |
| A | 50 | 50 | 50 | 85 |
| B | 69 | 69 | 74 | 89 |
| B1 | 15 | 15 | 15 | 29 |
| C | 54 | 54 | 54 | 80 |
| E | 16 | 16 | 22 | 28 |



cim 70 B



Vanne de type standard - PN 20 / Válvula de compuerta tipo estándar - PN 20

| DN | | | | | | | | | | | | PN 10 | |
|-------|------|------|------|-------|-------|--------|--------|-------|--------|-------|--------|--------|--------|
| | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
| € | 7,20 | 7,20 | 7,97 | 10,82 | 14,23 | 20,54 | 27,28 | 40,36 | 61,55 | 85,06 | 178,04 | 422,66 | 561,60 |
| Box | 50 | 50 | 35 | 25 | 16 | 10 | 8 | 5 | 2 | 2 | 2 | 1 | 1 |
| Cart. | 100 | 100 | 140 | 100 | 64 | 40 | 32 | 20 | 12 | 8 | 4 | 2 | 2 |

cim 70 BS



Vanne de type EN 12288/B (BS 5154/B) - PN 25 Válvula de compuerta tipo - EN 12288/B (BS 5154/B) type - PN 25

LIC. N° KM 553179 - PN 25

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|-----------------|------|------|------|-------|-------|--------|--------|-------|--------|--------|--------|----|----|
| € | - | - | 9,07 | 12,19 | 15,78 | 24,02 | 32,07 | 48,37 | 93,52 | 145,16 | 256,65 | - | - |
| Box Cim 70 BS | - | - | 10 | 5 | 5 | 5 | 4 | 2 | 2 | 2 | 1 | - | - |
| Cart. Cim 70 BS | - | - | 100 | 50 | 50 | 30 | 24 | 16 | 8 | 4 | 2 | - | - |

cim 70 BSCR



Vanne en alliage "CR" de type EN 12288/B (BS 5154/B) - PN 25 Válvula de compuerta de aleación "CR" tipo EN 12288/B - PN 25

LIC. N° KM 553179 - PN 25

LIC. N° WMKA01582 - PN 20

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|------|------|-------|-------|-------|--------|--------|-------|--------|----|----|----|----|
| € | - | - | 10,98 | 15,27 | 18,94 | 27,77 | 38,26 | 56,90 | - | - | - | - | - |
| Box | - | - | 10 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - |
| Cart. | - | - | 100 | 50 | 50 | 30 | 24 | 16 | - | - | - | - | - |

cim 50

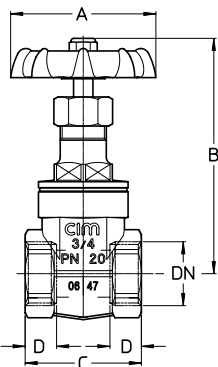


Vanne de type compact - PN 16 / Válvula de compuerta tipo compacto - PN 16

CIM 50 NPT - FILETAGE NPT

CIM 50 NPT - ROSCA NPT

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|------|------|------|------|-------|--------|--------|-------|--------|-------|--------|----|----|
| € | - | - | 7,17 | 8,23 | 10,94 | 14,43 | 19,47 | 29,52 | 54,93 | 79,47 | 136,29 | - | - |
| Box | - | - | 40 | 35 | 25 | 16 | 10 | 10 | 2 | 2 | 2 | - | - |
| Cart. | - | - | 160 | 140 | 100 | 64 | 40 | 20 | 12 | 8 | 4 | - | - |



| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|------------|-----------|------|------|------|-------|--------|--------|-------|--------|-------|-------|-------|-------|
| Cim 70B | Grms. 210 | 195 | 250 | 390 | 520 | 720 | 990 | 1440 | 2400 | 3455 | 5875 | 10605 | 14200 |
| A | 50 | 50 | 55 | 60 | 65 | 75 | 80 | 90 | 110 | 120 | 140 | 175 | 175 |
| B | 71 | 72 | 81 | 95,5 | 105 | 120,5 | 135 | 149 | 186 | 206,5 | 263 | 318 | 358 |
| C | 40 | 40 | 44 | 48 | 54 | 60 | 64 | 72 | 80 | 85 | 97 | 112 | 122 |
| D | 11 | 11 | 12 | 14 | 15 | 17 | 17 | 20,5 | 21 | 22 | 23,5 | 28 | 26 |
| Cim 70BS | Grms. - | - | 280 | 400 | 545 | 830 | 1240 | 1850 | 3455 | 5090 | 8825 | - | - |
| A | - | - | 55 | 60 | 65 | 75 | 80 | 90 | 120 | 140 | 175 | - | - |
| B | - | - | 81 | 97 | 107,5 | 121,5 | 142 | 165,5 | 212 | 250 | 296,5 | - | - |
| C | - | - | 44 | 48 | 55 | 61 | 65 | 71 | 92 | 98 | 107 | - | - |
| D | - | - | 12 | 13 | 15,5 | 16,5 | 18 | 19 | 24 | 26 | 28 | - | - |
| Cim 70BSCR | Grms. - | - | 295 | 445 | 615 | 925 | 1310 | 1895 | - | - | - | - | - |
| A | - | - | 55 | 60 | 65 | 75 | 80 | 90 | - | - | - | - | - |
| B | - | - | 80 | 96,5 | 107,5 | 121,5 | 142 | 165,5 | - | - | - | - | - |
| C | - | - | 54 | 59 | 66 | 74 | 75 | 86 | - | - | - | - | - |
| D | - | - | 17 | 18,5 | 21 | 23 | 23 | 27,5 | - | - | - | - | - |
| Cim 50 | Grms. - | - | 210 | 255 | 365 | 510 | 695 | 1120 | 2065 | 2835 | 4960 | - | - |
| Cim 50 NPT | A | - | 50 | 55 | 60 | 65 | 65 | 80 | 110 | 110 | 120 | - | - |
| B | - | - | 79 | 82,5 | 95,5 | 103 | 115,5 | 139 | 181,5 | 201 | 239,5 | - | - |
| C | - | - | 42 | 46 | 50 | 55 | 60 | 67 | 69 | 77 | 91 | - | - |
| D | - | - | 11,5 | 12 | 14 | 16 | 17 | 18 | 14,5 | 19 | 21 | - | - |

cim 70 NPT



Vanne de type standard - FILETAGE NPT - 250 WOG - PN 20
 Válvula de compuerta tipo estándar - ROSCA NPT - 250 WOG - PN 20

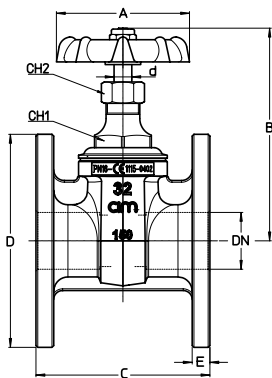
| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|------|------|------|-------|-------|--------|--------|-------|--------|-------|--------|--------|--------|
| € | 7,45 | 7,45 | 8,21 | 11,15 | 14,72 | 20,79 | 34,87 | 41,67 | 63,64 | 87,60 | 183,92 | 422,66 | 561,60 |
| Box | 50 | 50 | 35 | 25 | 16 | 10 | 8 | 5 | 2 | 2 | 2 | 1 | - |
| Cart. | 100 | 100 | 140 | 100 | 64 | 40 | 32 | 20 | 12 | 8 | 4 | 2 | 2 |

cim 72 F



Vanne à bride - en bronze - PN 16
 Válvula de compuerta bridada - de bronce - PN 16

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/4" | 2 1/2" | 3" | 4" | PN 10 | |
|-----|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | | | | | | | | | | | 5" | 6" |
| mm. | 15 | 20 | 25 | 32 | 40 | 50 | 60 | 70 | 80 | 100 | 125 | 150 |
| € | 64,85 | 81,13 | 110,72 | 151,86 | 179,52 | 217,58 | 293,43 | 320,49 | 427,63 | 621,89 | 943,09 | 1.221,61 |
| Box | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |



| | DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/4" | 2 1/2" | 3" | 4" | 5" | 6" |
|------------|-------|------|------|------|------|------|--------|--------|-------|--------|--------|-------|-------|-------|-------|
| Cim 70 NPT | Grms. | 205 | 190 | 245 | 420 | 540 | 770 | 980 | 1490 | - | 2405 | 3490 | 5960 | 10100 | 13770 |
| | A | 50 | 50 | 55 | 60 | 65 | 75 | 80 | 90 | - | 110 | 120 | 140 | 175 | 175 |
| | B | 71 | 72 | 81 | 95,5 | 105 | 120,5 | 135 | 149 | - | 186 | 206,5 | 263 | 318 | 358 |
| | C | 40 | 40 | 44 | 48 | 54 | 60 | 64 | 72 | - | 80 | 85 | 97 | 112 | 122 |
| | D | 11 | 11 | 12 | 14 | 15 | 17 | 17 | 20,5 | - | 21 | 22 | 23,5 | 28 | 26 |
| Cim 72 F | Ø mm. | - | - | 15 | 20 | 25 | 32 | 40 | 50 | 60 | 70 | 80 | 100 | 125 | 150 |
| | Grms. | - | - | 1150 | 1660 | 2440 | 3180 | 4170 | 5130 | 6720 | 6540 | 10130 | 15060 | 22540 | 29800 |
| | A | - | - | 55 | 60 | 65 | 75 | 80 | 90 | 90 | 110 | 120 | 140 | 175 | 175 |
| | B | - | - | 84 | 96,5 | 104 | 120,5 | 135 | 148,5 | 173 | 185,5 | 206 | 264 | 316,5 | 361 |
| | C | - | - | 69 | 84,5 | 89 | 97,5 | 113 | 124 | 141 | 153,5 | 158 | 169,5 | 191 | 209,5 |
| | D | - | - | 95 | 105 | 119 | 138,5 | 147 | 165 | 175 | 183,5 | 199 | 229 | 256 | 285 |
| | E | - | - | 8,5 | 9 | 9,5 | 10 | 10,5 | 9 | 12 | 12 | 12 | 14 | 16 | 18 |
| | CH1 | - | - | 24 | 30 | 32 | 32 | 39 | 47 | 49 | 55 | 66 | 84 | 114 | 134 |
| | CH2 | - | - | 18 | 18 | 18 | 21 | 23 | 25 | 25 | 30 | 30 | 37 | 45 | 50 |
| | d | - | - | 8 | 8 | 8 | 10 | 10 | 12 | 12 | 13 | 14 | 17 | 19 | 21 |

TABLEAU DES BRIDES / TABLA DE BRIDAS

| DN | mm. | PN 6 | | | | PN 10 | | | | PN 16 | | | |
|--------|-----|---------------------------|--------------------------------|---------------------------|----------------------------------|---------------------------|--------------------------------|---------------------------|----------------------------------|---------------------------|--------------------------------|---------------------------|----------------------------------|
| | | Ø extérieur Ø exterior | nbr d'orifices nº orificios | Ø orifices Ø orificios | ligne médiane línea central Ø | Ø extérieur Ø exterior | nbr d'orifices nº orificios | Ø orifices Ø orificios | ligne médiane línea central Ø | Ø extérieur Ø exterior | nbr d'orifices nº orificios | Ø orifices Ø orificios | ligne médiane línea central Ø |
| 1/2" | 15 | 80 | 4 | 12 | 55 | 95 | 4 | 14 | 65 | 95 | 4 | 14 | 65 |
| 3/4" | 20 | 90 | 4 | 12 | 65 | 105 | 4 | 14 | 75 | 105 | 4 | 14 | 75 |
| 1" | 25 | 100 | 4 | 12 | 75 | 115 | 4 | 14 | 85 | 115 | 4 | 14 | 85 |
| 1 1/4" | 32 | 120 | 4 | 14 | 90 | 140 | 4 | 18 | 100 | 140 | 4 | 18 | 100 |
| 1 1/2" | 40 | 130 | 4 | 14 | 100 | 150 | 4 | 18 | 110 | 150 | 4 | 18 | 110 |
| 2" | 50 | 140 | 4 | 14 | 110 | 165 | 4 | 18 | 125 | 165 | 4 | 18 | 125 |
| 2 1/2" | 70 | 160 | 4 | 14 | 130 | 185 | 4 | 18 | 145 | 185 | 4 | 18 | 145 |
| 3" | 80 | 190 | 4 | 18 | 150 | 200 | 4 | 18 | 160 | 200 | 8 | 18 | 160 |
| 4" | 100 | 210 | 4 | 18 | 170 | 220 | 4 | 18 | 180 | 220 | 8 | 18 | 180 |
| 5" | 125 | 240 | 8 | 18 | 200 | 250 | 8 | 18 | 210 | 250 | 8 | 18 | 210 |
| 6" | 150 | 265 | 8 | 18 | 225 | 285 | 8 | 22 | 240 | 285 | 8 | 22 | 240 |

cim 75



Soupape d'arrêt à siège métallique Válvula de globo de asiento metálico

| Cim 75 - PN 16 - bronze / bronce | | Cim 75L - PN 10 - laiton / latón | | | | | | | | | |
|----------------------------------|---|----------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|----|
| DN | | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
| € Cim 75 | - | 14,16 | 20,45 | 29,91 | 42,94 | 52,00 | 78,01 | 172,62 | 222,09 | 437,71 | |
| Box | - | 35 | 25 | 16 | 8 | 6 | 4 | 2 | 1 | 1 | |
| Cart. | - | 140 | 100 | 64 | 32 | 24 | 16 | 6 | 4 | 2 | |
| € Cim 75 L | - | 12,83 | 16,36 | 24,15 | 34,36 | 45,86 | 63,65 | - | - | - | |

cim 75 L



cim 81



Soupapes d'arrêt en bronze à siège en PTFE Válvula de globo de bronce y asiento de P.T.F.E.

| Cim 81 - PN 20 | | Cim 81 L - PN 16 | | | | | | | | | |
|----------------|---|------------------|---------|--------|-------|--------|--------|--------|--|--------|----|
| DN | | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
| € Cim 81 | | 18,40 | 20,79 | 28,16 | 42,26 | 49,06 | 74,39 | 125,29 | - | - | - |
| Box | | 30 / - | 25/35 | 18/25 | 10/16 | 8/8 | 4/6 | 2/4 | Box - Cart. Cim 81L voir Cim 75 see Cim 75 | | |
| Cart. | | 120 / - | 100/140 | 72/100 | 40/64 | 32/32 | 16/24 | 8/16 | | | |
| € Cim 81 L | - | 17,30 | 22,33 | 30,89 | 44,73 | 54,08 | 83,03 | 179,88 | 241,99 | 439,76 | |

cim 81 L



cim 78



Soupape de retenue - en bronze - siège métallique - PN 16 Válvula de retención - de bronce - asiento metálico - PN 16

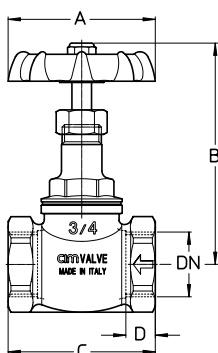
| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|-------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | - | 11,43 | 16,86 | 24,51 | 34,75 | 41,96 | 68,52 | 131,16 | 171,37 | 329,84 |
| Box | - | 50 | 50 | 30 | 15 | 12 | 6 | 4 | 2 | 1 |
| Cart. | - | 100 | 100 | 60 | 30 | 24 | 12 | 8 | 4 | 2 |

cim 79 A



Soupape de retenue - en bronze - siège en PTFE - PN 20 Válvula de retención - de bronce - asiento de P.T.F.E. - PN 20

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| € | 14,16 | 16,03 | 22,20 | 37,75 | 44,53 | 63,51 | 108,55 | 150,24 | 201,63 | 359,97 |
| Box | 50 | 50 | 25 | 15 | 12 | 6 | 4 | 4 | 2 | 1 |
| Cart. | 100 | 100 | 50 | 30 | 24 | 12 | 8 | 8 | 4 | 2 |



| | Cim 75 | | | | | Cim 75 L | | | | | Cim 81 | | | | | Cim 81 L | | | | | Cim 78 | | | | | Cim 79 A | | | | |
|--------|--------|-----|-------|-----|------|----------|----|-----|----|----|--------|----|-------|-----|----|----------|-----|-------|-----|------|--------|---|------|-----|----|----------|---|------|-----|----|
| DN | Grms. | A | B | C | D | Grms. | A | B | C | D | Grms. | A | B | C | D | Grms. | A | B | C | D | Grms. | A | B | C | D | Grms. | A | B | C | D |
| 3/8" | - | - | - | - | - | - | - | - | - | - | 320 | 55 | 87,5 | 58 | 11 | - | - | - | - | - | - | - | - | - | - | 235 | - | 32,5 | 58 | 11 |
| 1/2" | 295 | 55 | 78 | 50 | 11 | 211 | 55 | 65 | 48 | 8 | 380 | 55 | 87,5 | 60 | 12 | 300 | 55 | 77,5 | 50 | 11 | 220 | - | 30 | 50 | 11 | 280 | - | 35,5 | 60 | 12 |
| 3/4" | 440 | 60 | 89 | 60 | 12 | 273 | 60 | 67 | 53 | 9 | 620 | 60 | 98,5 | 70 | 12 | 425 | 60 | 88 | 60 | 12 | 335 | - | 35 | 60 | 12 | 450 | - | 40 | 70 | 12 |
| 1" | 635 | 65 | 100 | 70 | 13,5 | 437 | 65 | 82 | 63 | 10 | 900 | 65 | 112,5 | 84 | 14 | 600 | 65 | 98 | 70 | 14 | 510 | - | 41 | 70 | 14 | 775 | - | 49 | 84 | 14 |
| 1 1/4" | 980 | 65 | 116 | 84 | 15,5 | 665 | 80 | 93 | 73 | 12 | 1130 | 75 | 132 | 92 | 17 | 930 | 65 | 111 | 84 | 15,5 | 840 | - | 49 | 85 | 16 | 985 | - | 55,5 | 92 | 17 |
| 1 1/2" | 1280 | 75 | 130 | 90 | 16 | 956 | 80 | 114 | 81 | 12 | 1640 | 80 | 138,5 | 107 | 18 | 1250 | 75 | 130,5 | 90 | 16 | 1035 | - | 56 | 90 | 16 | 1500 | - | 60,5 | 107 | 18 |
| 2" | 1900 | 80 | 143,5 | 110 | 18 | 1356 | 90 | 134 | 94 | 15 | 3000 | 90 | 155 | 126 | 19 | 1850 | 80 | 139 | 110 | 18 | 1730 | - | 63 | 110 | 18 | 2550 | - | 71,5 | 126 | 19 |
| 2 1/2" | 3930 | 120 | 200 | 135 | 23,5 | - | - | - | - | - | - | - | - | - | - | 4000 | 120 | 209 | 135 | 23,5 | 3300 | - | 73,5 | 135 | 23 | 3455 | - | 73,5 | 135 | 23 |
| 3" | 5055 | 120 | 223 | 148 | 24 | - | - | - | - | - | - | - | - | - | - | 5350 | 120 | 234,5 | 148 | 24 | 4250 | - | 88 | 148 | 22 | 4350 | - | 88 | 148 | 22 |
| 4" | 10500 | 175 | 281 | 189 | 22 | - | - | - | - | - | - | - | - | - | - | 10200 | 175 | 289 | 189 | 22 | 8500 | - | 110 | 190 | 23 | 8850 | - | 110 | 190 | 23 |

cim 76



Soupape d'arrêt à bride - en bronze - siège métallique - PN 16
Válvula de globo bridada - de bronce - asiento metálico - PN 16

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-----|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| mm. | 15 | 20 | 25 | 32 | 40 | 50 | 70 | 80 | 100 |
| € | 64,32 | 83,15 | 122,41 | 154,81 | 204,66 | 263,17 | 443,81 | 554,05 | 867,35 |

cim 82



Soupape d'arrêt à bride - en bronze - siège en PTFE - PN 16
Válvula de globo bridada - de bronce - asiento de P.T.F.E. - PN 16

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-----|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| mm. | 15 | 20 | 25 | 32 | 40 | 50 | 70 | 80 | 100 |
| € | 66,42 | 84,42 | 125,01 | 158,72 | 209,19 | 277,08 | 487,13 | 609,25 | 904,69 |

cim 77



Soupape de retenue à bride - en bronze - siège métallique - PN 16
Válvula de retención bridada - de bronce - asiento metálico - PN 16

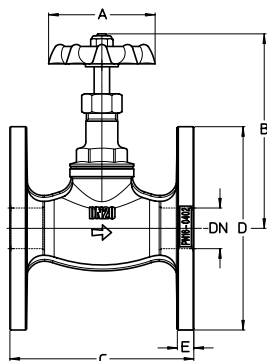
| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-----|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| mm. | 15 | 20 | 25 | 32 | 40 | 50 | 70 | 80 | 100 |
| € | 58,88 | 84,84 | 106,99 | 147,98 | 191,53 | 243,71 | 403,62 | 506,17 | 776,88 |

cim 79



Soupape de retenue à bride - en bronze - siège en PTFE - PN 16
Válvula de retención bridada - de bronce - asiento de P.T.F.E. - PN 16

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-----|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| mm. | 15 | 20 | 25 | 32 | 40 | 50 | 70 | 80 | 100 |
| € | 61,03 | 82,04 | 107,86 | 156,31 | 197,94 | 253,58 | 403,62 | 506,17 | 776,88 |



| DN | mm. | Cim 76 | | | | | | Cim 82 | | | | | Cim 77 - Cim 79 | | | | | |
|--------|-----|--------|-----|-------|-------|-------|----|--------|-----|-------|-------|-------|-----------------|-------|------|-----|-----|-----|
| | | Grms. | A | B | C | D | E | Grms. | A | B | C | D | E | Grms. | B | C | D | E |
| 1/2" | 15 | 1380 | 55 | 92,5 | 82,5 | 94 | 8 | 1375 | 55 | 97,5 | 82,5 | 94 | 8 | 1225 | 35 | 84 | 80 | 8,5 |
| 3/4" | 20 | 1710 | 55 | 100 | 95 | 105 | 8 | 1705 | 55 | 104,5 | 95 | 105 | 8 | 1655 | 41,5 | 95 | 105 | 8,5 |
| 1" | 25 | 2350 | 65 | 111 | 104 | 119 | 10 | 2325 | 65 | 109 | 104 | 119 | 10 | 2340 | 46,5 | 105 | 120 | 10 |
| 1 1/4" | 32 | 3350 | 65 | 113,5 | 113 | 138,5 | 10 | 3320 | 65 | 112,5 | 113 | 138,5 | 10 | 3450 | 53 | 114 | 140 | 10 |
| 1 1/2" | 40 | 4580 | 80 | 145 | 133,5 | 147 | 11 | 4525 | 80 | 138,5 | 133,5 | 147 | 11 | 4445 | 60,5 | 134 | 150 | 11 |
| 2" | 50 | 5930 | 80 | 155 | 154 | 163 | 11 | 5850 | 80 | 152,5 | 154 | 163 | 11 | 5765 | 69,5 | 154 | 164 | 11 |
| 2 1/2" | 70 | 9010 | 120 | 199 | 170 | 185 | 13 | 8885 | 120 | 208 | 170 | 185 | 13 | 8075 | 73 | 170 | 185 | 13 |
| 3" | 80 | 11650 | 120 | 226 | 180 | 200 | 13 | 11535 | 120 | 235,5 | 178,5 | 199 | 13 | 10300 | 90 | 180 | 200 | 13 |
| 4" | 110 | 18110 | 175 | 287,5 | 200 | 230 | 17 | 17910 | 175 | 297 | 200 | 230 | 17 | 16185 | 110 | 200 | 230 | 17 |

cim 80



Clapet de retenue - siège métallique - PN 16 Válvula de retención a clapeta - asiento metálico - PN 16

LAITON FONDU CC7545

LATÓN FUNDIDO CC7545

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|-------|-------|--------|--------|-------|--------|-------|--------|
| € | 8,35 | 12,09 | 17,30 | 24,06 | 32,64 | 42,46 | 73,50 | 97,44 | 163,90 |
| Box | 50 | 25 | 20 | 12 | 10 | 5 | 4 | 2 | 2 |
| Cart. | 200 | 100 | 80 | 48 | 40 | 20 | 16 | 8 | 4 |

cim 80 A



Clapet de retenue - siège en caoutchouc - PN 16 Válvula de retención a clapeta - asiento de goma - PN 16

LAITON FONDU CC7545

LATÓN FUNDIDO CC7545

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | 9,16 | 13,27 | 18,44 | 25,30 | 35,28 | 45,20 | 78,62 | 100,19 | 176,80 |
| Box | 50 | 25 | 20 | 12 | 10 | 5 | 4 | 2 | 2 |
| Cart. | 200 | 100 | 80 | 48 | 40 | 20 | 16 | 8 | 4 |

cim 95



Crépine à clapet avec tige à double guide - PN 16 Válvula de fondo con filtro - PN 16

LAITON FONDU CC7545 - LATÓN FUNDIDO CC7545

BRONZE
BRONCE

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|-------|-------|-------|--------|--------|-------|--------|-------|--------|--------|--------|
| € | 10,69 | 12,71 | 15,07 | 20,12 | 25,30 | 35,51 | 57,27 | 77,28 | 145,93 | 493,61 | 609,82 |
| Box | 50 | 40 | 24 | 15 | 12 | 7 | 3 | 2 | 2 | 1 | 1 |
| Cart. | 200 | 160 | 96 | 60 | 48 | 28 | 12 | 8 | 4 | 2 | 1 |

cim 95 A



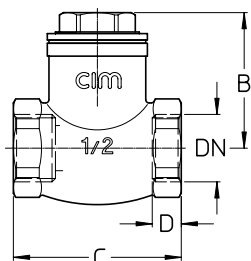
Crépine à clapet obturateur anti-sable - PN 16 Válvula de fondo cilíndrica - PN 16

CRÉPINE INOX DE 1/2" À 1 1/2"
LAITON DE 2" À 4"

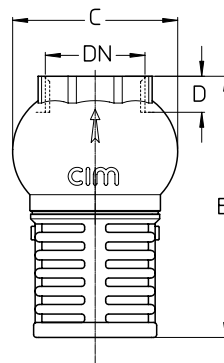
LAITON FORJÉ CW617N-M
LATÓN FORJADO CW617N-M

FILTRO INOXIDABLE DE 1/2" A 1 1/2"
LATÓN DE 2" A 4"

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|------|-------|-------|--------|--------|-------|--------|-------|--------|----|----|
| € | 9,54 | 12,42 | 17,93 | 21,12 | 27,33 | 39,90 | 64,81 | 88,94 | 167,83 | - | - |
| Box | 50 | 50 | 30 | 15 | 10 | 7 | 2 | 2 | 2 | - | - |
| Cart. | 200 | 200 | 120 | 60 | 40 | 28 | 12 | 12 | 4 | - | - |



| DN | Cim 80 - Cim 80 A | | | | Cim 80 | | | | Cim 80 A | | | | Cim 95 | | | | Cim 95 A | | | | |
|--------|-------------------|------|-------|------|---|----|-----|----|----------|-------|-----|------|--------|-------|-----|----|----------|---|---|---|--|
| | Grms. | B | C | D | O | V | O | V | Grms. | B | C | D | Grms. | B | C | D | Grms. | B | C | D | |
| 1/2" | 245 | 42,5 | 52 | 13 | 0,7 | 11 | 0,7 | 11 | 185 | 63,5 | 39 | 11,5 | 135 | 97 | 26 | 10 | | | | | |
| 3/4" | 350 | 46 | 62 | 15 | 0,7 | 9 | 0,7 | 9 | 270 | 75 | 46 | 11,5 | 225 | 114,5 | 32 | 12 | | | | | |
| 1" | 500 | 53 | 70 | 14 | 0,7 | 9 | 0,7 | 9 | 390 | 87 | 55 | 12 | 325 | 130,5 | 38 | 13 | | | | | |
| 1 1/4" | 740 | 61 | 84 | 18,5 | 0,7 | 8 | 0,7 | 8 | 505 | 96,5 | 64 | 14 | 480 | 146 | 47 | 15 | | | | | |
| 1 1/2" | 900 | 64,5 | 87 | 15,5 | 0,7 | 8 | 0,7 | 8 | 640 | 105 | 69 | 14 | 665 | 168 | 54 | 15 | | | | | |
| 2" | 1500 | 70 | 106 | 20 | 0,7 | 9 | 0,7 | 9 | 1040 | 117,5 | 87 | 15,5 | 1230 | 173 | 65 | 22 | | | | | |
| 2 1/2" | 2250 | 84 | 120,5 | 24 | 0,4 | 9 | 0,4 | 9 | 1895 | 146 | 108 | 17 | 2110 | 208 | 83 | 20 | | | | | |
| 3" | 3300 | 90 | 136 | 31,5 | 0,4 | 9 | 0,4 | 9 | 2440 | 159,5 | 126 | 17,5 | 3015 | 227,5 | 95 | 20 | | | | | |
| 4" | 5850 | 113 | 170 | 24,5 | 0,5 | 9 | 0,5 | 9 | 4920 | 207,5 | 167 | 19,5 | 4985 | 259 | 123 | 24 | | | | | |
| 5" | - | - | - | - | Pres. ouvert. obturateur mbar O = inst. horiz. - V = inst. vert. | | | | 11905 | 287,5 | 200 | 22 | - | - | - | - | | | | | |
| 6" | - | - | - | - | Pres. apert. obturador mbar O = inst. horiz. - V = inst. vert. | | | | 15220 | 334,5 | 235 | 25 | - | - | - | - | | | | | |



cim 30



Clapet de retenue "SPRINT" avec obturateur à ressort - PN 20
Válvula de retención "SPRINT" con obturador de muelle - PN 20

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|------|------|-------|--------|--------|-------|--------|--------|--------|
| € | 5,87 | 5,87 | 8,32 | 12,51 | 17,77 | 26,57 | 35,93 | 75,75 | 103,26 | 177,84 |
| Box | 50 | 50 | 25 | 20 | 12 | 8 | 5 | 4 | 3 | 2 |
| Cart. | 200 | 200 | 100 | 80 | 48 | 32 | 20 | 12 | 6 | 4 |

cim 30 DK



Clapet de retenue "SPRINT" pour hydrocarbures - PN 20
Válvula de retención "SPRINT" para hidrocarburos - PN 20

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | 7,77 | 7,77 | 10,82 | 15,78 | 23,96 | 34,32 | 47,06 | 93,70 | 129,11 | 227,68 |
| Box | 50 | 50 | 25 | 20 | 12 | 8 | 5 | 4 | 3 | 2 |
| Cart. | 200 | 200 | 100 | 80 | 48 | 32 | 20 | 12 | 6 | 4 |

cim 30 VA



Clapet de retenue "SPRINT" pour vapeur - 4 BARS - 150°C
Válvula de retención "SPRINT" para vapor - 4 bares - 150°C

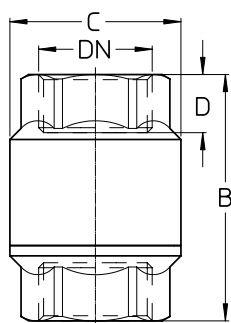
| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|------|-------|-------|--------|--------|-------|--------|--------|--------|
| € | 8,96 | 8,96 | 12,45 | 17,97 | 27,66 | 40,34 | 54,18 | 97,56 | 136,86 | 228,23 |
| Box | 50 | 50 | 25 | 20 | 12 | 8 | 5 | 4 | 3 | 2 |
| Cart. | 200 | 200 | 100 | 80 | 48 | 32 | 20 | 12 | 6 | 4 |

cim 30 CRNL

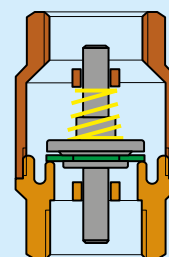


Clapet de retenue "SPRINT" en alliage "CR" CW511-L SANS PLOMB avec obturateur à ressort - PN 20
Válvula de retención "SPRINT" de aleación "CR" CW511-L SIN PLOMO con obturador de muelle - PN 20

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------|------|------|------|-------|--------|--------|-------|--------|----|----|
| € | - | 7,06 | 9,99 | 15,00 | 21,33 | 31,88 | 43,11 | - | - | - |
| Box | - | 50 | 25 | 20 | 12 | 8 | 5 | - | - | - |
| Cart. | - | 200 | 100 | 80 | 48 | 32 | 20 | - | - | - |



| Cim 30 - Cim 30 DK - Cim 30 VA - Cim 30 CRNL | | | | |
|--|-------|------|-----|------|
| DN | Grms. | B | C | D |
| 3/8" | 210 | 55,5 | 35 | 13 |
| 1/2" | 160 | 55,5 | 35 | 14 |
| 3/4" | 240 | 62 | 42 | 14,5 |
| 1" | 380 | 72 | 50 | 17 |
| 1 1/4" | 600 | 82 | 60 | 18 |
| 1 1/2" | 920 | 96 | 70 | 22 |
| 2" | 1360 | 109 | 83 | 23 |
| 2 1/2" | 2505 | 129 | 103 | 29 |
| 3" | 3440 | 141 | 123 | 28 |
| 4" | 5115 | 146 | 160 | 30 |



L'obturateur à ressort s'ouvre et se soulève à une pression de 25 mbar (0,36 psi)
El obturador de muelle se abre y se levanta a una presión de 25 mbares (0,36 psi)

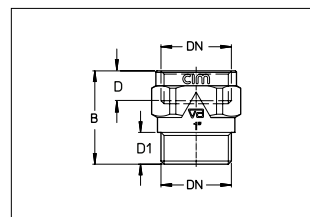
Obturateur / Obturador: Joint obturat. / Guarn. obt.:
Cim 30: HOSTAFORM EPDM
Cim 30/DK: HOSTAFORM FKM
Cim 30/VA: PPS EPDM PEROX
Cim 30/CRNL: HOSTAFORM EPDM

cim 32



Clapet de retenue avec obturateur à ressort - PN 16 Válvula de retención con obturador de muelle - PN 16

| | MÂLE/FEMELLE | | | MACHO/HEMBRA | | |
|-------|--------------|------|-------|--------------|--------|-------|
| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| € | 5,30 | 7,12 | 11,07 | 16,86 | 25,87 | 34,02 |
| Box | 50 | 50 | 25 | 15 | 10 | 8 |
| Cart. | 200 | 200 | 100 | 60 | 40 | 32 |

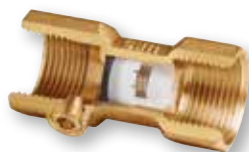


Clapets de non-retour antipollution contrôlable Válvulas de retención anticontaminación controlables

Le clapet de non-retour **CIM33CREA** ANTIPOLLUTION CONTRÔLABLE est fabriqué conformément à la norme européenne EN 1717. Cette norme traite de la méthode à suivre pour protéger l'eau destinée à la consommation contre la pollution par retour. Le système d'approvisionnement est protégé par des composants fabriqués dans des matériaux adaptés à l'eau potable, qui le protègent contre les influences des réseaux extérieurs, évitent les stagnations et permettent l'inspection des composants contrôlables.

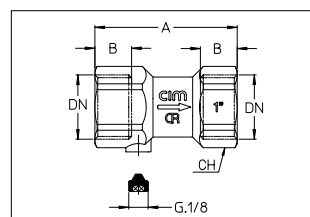
La válvula de retención **CIM33CREA** ANTICONTAMINACIÓN CONTROLABLE se fabrica conforme a la norma europea EN 1717. Esta norma establece el método que se debe emplear para proteger el agua destinada al consumo humano contra el riesgo de contaminación por reflujos. El sistema de abastecimiento se protege utilizando componentes fabricados con materiales compatibles para el contacto con el agua potable, protegiéndolo de la influencia de redes exteriores, evitando estancamientos y permitiendo inspeccionar los componentes controlables.

cim 33 CREA



Clapet de non-retour antipollution contrôlable alliage laiton "CR" - PN 16 Válvula de retención anticontaminación controlable de aleación de latón "CR" - PN 16

| | FEMELLE/FEMELLE | | | HEMBRA/HEMBRA | | |
|-------|-----------------|-------|-------|---------------|--------|-------|
| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| € | 9,13 | 12,53 | 17,25 | 24,38 | 35,03 | 49,89 |
| Box | 40 | 24 | 20 | 20 | 15 | 10 |
| Cart. | 160 | 96 | 80 | 80 | 60 | 40 |

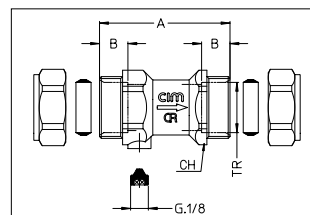


cim 33 CREARB



Clapet de non-retour antipollution contrôlable alliage laiton "CR" - PN 16 Válvula de retención anticontaminación controlable de aleación de latón "CR" - PN 16

| | RACCORDMENT BICÔNE | | RACOR CON BICONO | |
|-------|--------------------|-------|------------------|--|
| mm. | 15x15 | 22x22 | 28x28 | |
| € | 12,36 | 16,74 | 23,92 | |
| Box | 25 | 20 | 12 | |
| Cart. | 100 | 80 | 48 | |



Fabriqué en laiton non dézincifiable "CR", il est adapté à une installation verticale, horizontale ou à siège incliné pour permettre le débit dans une seule direction. Il s'ouvre automatiquement quand la pression de l'écoulement en amont du clapet est supérieure à l'aval. Au cas où la pression est supérieure en aval ou sans écoulement, le clapet se ferme d'avance sous l'action d'un ressort.

L'obturateur à ressort est certifié par KIWA, WRC, NF, DVGW.
Pression d'ouverture 20 mbar. Température d'utilisation de -10° à 110°C.

Se fabrica en latón resistente a la deszincificación "CR" y es apta para la instalación vertical, horizontal y oblicua para permitir el flujo en una sola dirección. Se abre automáticamente cuando la presión en la dirección del flujo aguas arriba de la válvula es mayor que la presión aguas abajo de la válvula. Si la presión es mayor arriba o en caso de ausencia de flujo, la válvula se cierra por adelantado bajo la acción de un muelle.

El obturador de muelle ha sido aprobado por KIWA, WRC, NF, DVGW.
Presión de apertura: 20 bares. Temperatura de trabajo: de -10°C a 110°C.

| Cim 32 | | | | | | Cim 33 CREA | | | | | Cim 33 CREARB | | | | |
|--------|--------|-------|----|------|------|-------------|-------|------|------|----|---------------|-------|------|----|----|
| DN | DN | Grms. | B | D | D1 | Filett. | Grms. | A | B | CH | mm. | Grms. | A | B | CH |
| 1/2" | 1/2" | 50 | 33 | 13,5 | 14,5 | ISO 7/1 | 115 | 59,5 | 17 | 25 | 15x15 | 174 | 59,5 | 13 | 25 |
| 3/4" | 3/4" | 95 | 38 | 13,5 | 14,5 | | 173 | 67 | 18,5 | 31 | 22x22 | 249 | 67 | 15 | 32 |
| 1" | 1" | 160 | 44 | 15 | 15,5 | | 271 | 78 | 21 | 38 | 28x28 | 400 | 78 | 16 | 38 |
| 1 1/4" | 1 1/4" | 260 | 49 | 17 | 17 | ISO 228 | 350 | 76 | 17 | 47 | 35x35 | - | - | - | - |
| 1 1/2" | 1 1/2" | 360 | 57 | 19 | 19 | | 510 | 86 | 19 | 54 | 42x42 | - | - | - | - |
| 2" | 2" | 715 | 75 | 22 | 20 | | 780 | 102 | 20 | 66 | 54x54 | - | - | - | - |

Pression d'ouverture de l'obturateur: 10 mbar
Presión de apertura del obturador: 10 bares

- Corps / Cuerpo: EN 12165 CW602N
- Siège / Asiento: POM
- Clapet / Válvula: POM
- Guide / Guía: POM
- Joint / Guarnición: NBR
- Ressort / Muelle: STAINLESS STEEL 18/8
- O-Ring / O-ring: NBR
- Bouchon / Tapón: EN 12165 CW602



cim 74 ACRNL



Filtre à siège incliné en alliage "CR" CW511-L SANS PLOMB - PN 20
Filtro "Y" oblicuo de aleación "CR" CW511-L SIN PLOMO - PN 20

"CR"-SCC - RÉSISTANTE À LA DÉZINCIFICATION ET À LA CORROSION SOUS TENSION

"CR"-SCC - RESISTENTE A LA DESZINCIFICACIÓN Y CORROSIÓN BAJO TENSION

BRONZE / BRONCE

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|-------------------------------|------|-------|-------|-------|--------|--------|-------|--------|--------|--------|
| € Cim 74 ACRNL tamis 0,65 mm. | 8,09 | 9,09 | 12,17 | 18,63 | 27,93 | 34,12 | 59,80 | 112,50 | 170,75 | 320,17 |
| Box | 50 | 50 | 30 | 20 | 12 | 10 | 4 | 4 | 1 | 1 |
| Cart. | 200 | 200 | 120 | 80 | 48 | 40 | 16 | 8 | 6 | 2 |
| € Cim 74 AGRNL tamis 0,25 mm. | 9,39 | 10,50 | 13,93 | 20,92 | 31,38 | 38,79 | 67,27 | - | - | - |

cim 74 ACR



Filtre à siège incliné en alliage de laiton "CR" CW602N - PN 20
Filtro "Y" oblicuo de aleación "CR" CW602N - PN 20

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | F=0,65 mm. F=0,25 mm. | F=650 µm F=250 µm |
|------------------------------|------|-------|-------|-------|--------|--------|-------|--------------------------|---|
| € Cim 74 ACR tamis 0,65 mm. | - | 8,74 | 11,68 | 17,89 | 26,80 | 32,75 | 57,99 | | Mesh / Malla N° orif. cm² 30/60 52/280 |
| Box | - | 50 | 30 | 20 | 10 | 8 | 4 | | |
| Cart. | - | 200 | 120 | 80 | 40 | 32 | 16 | | |
| € Cim 74 AGCR tamis 0,25 mm. | - | 10,12 | 13,38 | 20,17 | 30,27 | 37,42 | 65,50 | | |

cim 74 AOT



Filtre à siège incliné en alliage de laiton CW617N-M - PN 20
Filtro "Y" oblicuo de aleación "CR" CW617N-M - PN 20

| DN | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | De DN 1/2" à DN 1 1/4" le filetage du bouchon est identique à celui des manchons, ex. 3/4" x 3/4" x 3/4" | |
|------------------------------|------|------|------|-------|--------|--------|-------|--|--|
| € Cim 74 AOT tamis 0,65 mm. | - | 5,55 | 8,09 | 12,08 | 18,61 | 24,13 | 45,28 | Del DN 1/2" al DN 1 1/4", la rosca del tapón es la misma que la de los manguitos, ej. 3/4" x 3/4" x 3/4" | |
| Box | - | 50 | 30 | 20 | 10 | 8 | 4 | | |
| Cart. | - | 200 | 120 | 80 | 40 | 32 | 16 | | |
| € Cim 74 AGOT tamis 0,25 mm. | - | 6,78 | 9,40 | 14,02 | 28,04 | 28,31 | 53,13 | | |

cim 74 ACRNL/1



Filtre à siège incliné en alliage "CR" CW511-L SANS PLOMB - PN 20
Filtro "Y" oblicuo de aleación "CR" CW511-L SIN PLOMO - PN 20

AVEC BOUCHON DE PURGE CON TAPON DE DESCARGA

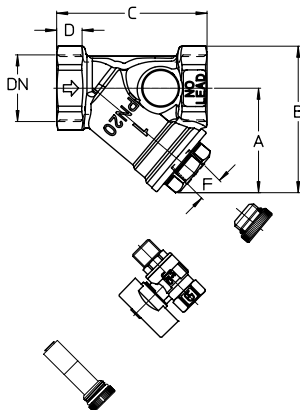
AVEC ROBINET DE PURGE CON VÁLVULA DE DESCARGA

| DN | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|---------------------------------|-------|-------|-------|--------|--------|-------|
| € Cim 74 ACRNL/1 tamis 0,65 mm. | 10,66 | 14,10 | 21,54 | 30,85 | 37,03 | 62,73 |
| Box Cim 74 ACRNL/1 | 50 | 30 | 20 | 12 | 10 | 4 |
| € Cim 74 ACRNL/2 tamis 0,65 mm. | 16,87 | 20,33 | 23,60 | 36,48 | 42,66 | 68,35 |
| Box Cim 74 ACRNL/2 | 50 | 30 | 20 | 12 | 10 | 4 |

cim 74 ACRNL/2



| DN | Cim 74 ACRNL Cim 74 ACRNL/5 | | | | | Cim 74 ACR Cim 74 ACR/5 | | | | | Cim 74 ACRNL/1 Cim 74 ACRNL/2 | | | | | Cim 74 AOT Cim 74 AOT/5 | | | | | | |
|--------|--------------------------------|------|-------|-----|------|---|----|-------|-----|------|----------------------------------|------|-------|-----|------|----------------------------|-------|------|-------|-----|------|---|
| | Grms. | A | B | C | D | Grms. | A | B | C | D | Grms. | A | B | C | D | F | Grms. | A | B | C | D | |
| 3/8" | 190 | 38 | 51 | 55 | 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1/2" | 220 | 40 | 56 | 59 | 12 | 210 | 39 | 55 | 68 | 16,5 | 230 | 40,5 | 56,5 | 59 | 12 | G. 1/4" | 148 | 38,5 | 52 | 59 | 12 | |
| 3/4" | 325 | 47 | 66 | 68 | 12,5 | 315 | 50 | 69 | 77 | 18 | 355 | 47,5 | 66,5 | 68 | 12,5 | G. 1/4" | 232 | 47,5 | 65 | 68 | 12,5 | |
| 1" | 481 | 59 | 82 | 76 | 13,5 | 455 | 60 | 82 | 91 | 21 | 385 | 59 | 82 | 76 | 13,5 | G. 3/8" | 341 | 57,5 | 78 | 76 | 13,5 | |
| 1 1/4" | 772 | 72 | 100,5 | 92 | 15 | 760 | 73 | 104,5 | 108 | 23 | 815 | 72 | 100,5 | 92 | 16 | G. 3/8" | 553 | 70,5 | 95,5 | 92 | 16 | |
| 1 1/2" | 1003 | 80 | 112 | 100 | 16 | 975 | 82 | 113 | 116 | 23 | 955 | 80 | 112 | 100 | 16 | G. 3/8" | 712 | 78 | 106,5 | 100 | 16 | |
| 2" | 1777 | 98,5 | 138 | 125 | 19 | 1825 | 99 | 139 | 143 | 28 | 1790 | 98,5 | 138 | 125 | 19 | G. 3/8" | 1299 | 98 | 133 | 125 | 19 | |
| 2 1/2" | 2620 | 114 | 163 | 148 | 22 | FILTRES: tamis en acier inoxydable 18/8 - 0,65 mm. recommandé pour l'eau - 0,25 mm. recommandé pour le gaz Joint d'étanchéité entre le corps et le bouchon: joint torique (O-ring) FKM 70 Rouge -20°C +200°C | | | | | | | | | | | | | | | | |
| 3" | 4200 | 137 | 195 | 175 | 24 | FILTROS: red de acero inoxidable 18/8 - 0,65 mm. recomendado para agua - 0,25 mm. recomendado para gas Junta de estanqueidad entre cuerpo y tapón: O-ring FKM 70 Red -20°C +200°C | | | | | | | | | | | | | | | | |
| 4" | 7550 | 167 | 240,5 | 217 | 25 | | | | | | | | | | | | | | | | | |



cim 787

Vanne d'équilibrage à orifice variable Válvula de equilibrio de orificio variable

cim 787



cim 787PRS



UTILISATIONS: les vannes d'équilibrage **Cim 787** conviennent pour les installations de chauffage (LPHW) et de refroidissement. Elles sont disponibles en laiton non dézincifiable "CR" (**Cim 787**) ou en laiton standard (**Cim 787OT**).

Les caractéristiques principales des vannes d'équilibrage **Cim 787** sont les suivantes:

- Un système de blocage automatique qui permet de fixer la position de la vanne précisément, en donnant la possibilité de l'ouvrir ou fermer à nouveau dans la même position souhaitée;
- Clé Allen pour le blocage des positions de la vanne;
- Une échelle indicatrice de la position de la vanne, lisible de n'importe quel côté;
- Obturateur avec joint en EPDM pour assurer une étanchéité parfaite
- Classe de pression: PN 25 - Température: -10°C ÷ 120°C

Sur demande, cette vanne est disponible avec raccordement par sertissage (**Cim 787PRS** - **Cim 787OTPRS**).

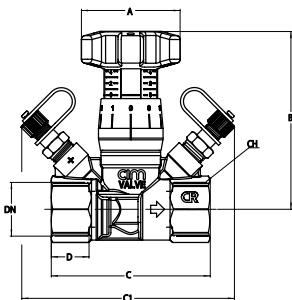
APLICACIONES: Las válvulas de equilibrio **Cim 787** son adecuadas para instalaciones tanto de calefacción (LPHW) como de climatización. Están disponibles en latón "CR" (**Cim 787**) o en latón estándar (**Cim 787OT**).

Las válvulas de equilibrio **Cim 787** tienen las siguientes características principales:

- Un sistema de bloqueo mecánico permite establecer las posiciones de la válvula, la cual se puede cerrar y volver a abrir en la posición prefijada exacta;
- Llave Allen para bloquear las posiciones de la válvula;
- Una escala graduada visible desde ambos lados que indica la posición;
- Obturador con guarnición EPDM que garantiza el cierre estanco;
- Clase de presión: PN25. Temperatura: de -10°C a 120°C.

Bajo pedido se suministran racores de presión (**Cim 787PRS** - **Cim 787OTPRS**).

| DN | € | | Grms. | A | B | C | C1 | D | CH | Kvs |
|--------|---------|-----------|-------|----|------|-----|-----|------|----|-------|
| | Cim 787 | Cim 787OT | | | | | | | | |
| 1/2" | 33,75 | 31,45 | 380 | 50 | 87,5 | 77 | 106 | 17 | 25 | 1,75 |
| 3/4" | 35,95 | 33,40 | 440 | 50 | 89,5 | 80 | 107 | 18,5 | 31 | 2,87 |
| 1" | 40,20 | 36,85 | 535 | 50 | 91,5 | 87 | 107 | 21 | 38 | 4,08 |
| 1 1/4" | 64,00 | 56,85 | 960 | 50 | 99 | 108 | 123 | 22,5 | 48 | 6,71 |
| 1 1/2" | 80,85 | 71,65 | 1120 | 50 | 99 | 115 | 129 | 23 | 55 | 10,40 |
| 2" | 101,65 | 89,30 | 1350 | 50 | 100 | 124 | 132 | 26,5 | 66 | 15,06 |



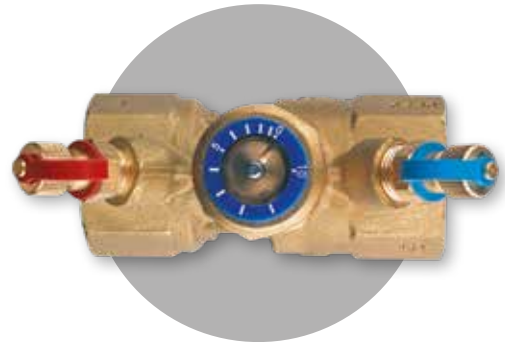
cim 788

Vanne d'équilibrage pré-réglable Válvula de equilibrio preajustable

cim 788



cim 788-4



UTILISATIONS: les vannes d'équilibrage **Cim 788** conviennent soit pour les installations de chauffage (LPHW) que de refroidissement. Elles sont disponibles en laiton "CR" (**Cim 788**) ou en laiton standard (**Cim 788OT**).

Les caractéristiques principales des vannes d'équilibrage **Cim 788** pré-réglable sont les suivantes:

- Préréglage par tournevis;
- 11 positions pré-réglages du débit;
- Capuchon en plastique pour la fermeture et ouverture de la vanne dans la position souhaitée;
- Projetée pour être équipée avec actionneur thermoélectrique;
- Une fermeture étanche assurée par le clapet avec joint EPDM en cas de besoin d'isolation;
- Classe de pression: PN 25 - Température: -10°C ÷ 120°C;
- **Cim 788-4** assure un Δp plus haute dans les limites d'utilisation de la vanne avec actionneur thermoélectrique.

APLICACIONES: las válvulas de equilibrio **Cim 788** son adecuadas para instalaciones tanto de calefacción (LPHW) como de climatización. Están disponibles en latón "CR" (**Cim 788**) o en latón estándar (**Cim 788OT**).

Las válvulas de equilibrio **Cim 788** tienen las siguientes características principales:

- Regulación por medio de destornillador;
- 11 preajustes;
- Capuchón de plástico para abrir y cerrar la válvula en la posición prefijada;
- Diseñada para ser equipada con un actuador termoeléctrico;
- Obturador con guarnición EPDM que garantiza el cierre estanco;
- Clase de presión: PN25. Temperatura: de -10°C a 120°C;
- **Cim 788-4** garantiza un mayor Δp en el rango de utilización de la válvula con actuador termoeléctrico.

| | DN | € Cim 788 | € Cim 788OT | Grms. | A | B | C | C1 | D | CH | Kv-Kvs Δp 2.2 | Kv-Kvs Δp 4 |
|------|-------|--------------|----------------|-------|----|----|-----|------|----|------|--------------------------|------------------------|
| | 1/2" | 40,75 | 38,40 | 350 | 35 | 58 | 77 | 106 | 15 | 25 | 1,70 | 1,64 |
| 3/4" | 43,40 | 40,85 | 410 | 35 | 60 | 80 | 107 | 18,5 | 31 | 2,90 | 2,70 | |
| 1" | 48,85 | 45,50 | 505 | 35 | 62 | 87 | 107 | 21 | 38 | 3,50 | 3,20 | |

Actionneurs thermoélectriques

Actuadores termoeléctricos

Les vannes d'équilibrage pré réglables Cim 788 peuvent être équipées avec actionneurs thermoélectriques.
Las válvulas de equilibrio preajustables Cim 788 se pueden equipar con los siguientes actuadores termoeléctricos.

cim EMV311/NC-NO 230 (230 VAC)

cim EMV311/NC-NO 24 (24 VAC)

Actionneur thermoélectrique pour l'ouverture et la fermeture des vannes dans les installations de chauffage et de refroidissement.

- Construction compacte, petites dimensions
- Protection totale contre les fuites
- Témoin de fonctionnement circulaire
- Haute longévité et sécurité de fonctionnement
- Faible puissance absorbée
- Position de montage 360°
- Repère pour le raccordement
- Sécurité grâce au coupe-circuit de surtension incorporée

Actuador termoeléctrico para la apertura y cierre de las válvulas en instalaciones de calefacción y refrigeración

- Estructura compacta, tamaño pequeño
- Protección total contra pérdidas
- Indicador de funcionamiento
- Funcionamiento seguro y de larga duración
- Consumo de potencia reducido
- Posición de instalación 360°
- Preparado para la conexión de la válvula

cim EMV310/PRO 24 (24 VAC)

Actionneur thermoélectrique avec unité interne électronique pour une commande proportionnelle des vannes en utilisant les systèmes de gestion intégrés.

- Mise au point de réglage
- Fonction "First open"
- Témoin de fonctionnement
- Version encliquetable
- Protection totale contre les fuites
- Commande proportionnelle
- Auto-calibrage
- Détecteur de position

Actuador termoeléctrico con unidad interna electrónica para controlar proporcionalmente las válvulas, utilizando los sistemas de gestión integrados.

- Puesta a punto de la regulación
- Función "primera apertura"
- Indicador de funcionamiento
- Montaje encajado
- Protección total contra pérdidas
- Mando proporcional
- Autocalibrado
- Indicador de posición



| | |
|--------------------|---------|
| Cim EMV 311/NC 230 | € 40,45 |
| Cim EMV 311/NC 24 | € 40,45 |
| Cim EMV 311/NO 230 | € 40,45 |
| Cim EMV 311/NO 24 | € 40,45 |

| | |
|--------------------|----------|
| Cim EMV 310/PRO 24 | € 106,30 |
|--------------------|----------|

Actionneur thermoélectrique / Actuador termoeléctrico: Cim EMV 311/NC 230
Cim EMV 311/NC 24
Cim EMV 311/NO 230
Cim EMV 311/NO 24
Actionneur / Actuador
230V-24V NO - NC
230VAC - 24VAC
50/60 Hz
Tension de service / Tensión de alimentación:
Impédance d'entrée / Frecuencia:
Puissance de fonctionnement / Potencia:
Longueur de câble / Longitud del cable:
Classe de protection / Clase de protección:
Poids / Peso:
Puissance / Fuerza del actuador:
Distance de réglage / Carrera máxima:
Coloris de boîtier / Color de la caja del motor:

Actionneur thermoélectrique / Actuador termoeléctrico: Cim EMV 310/PRO 24
Actionneur proportionnel
Actuador proporcional
24V
-10% jusqu'à/hasta +20% 50/60 Hz
0-10 VDC
100kOhm
1 W
IP54/III
4 mm
100N±5%
< 320 mA pour 2 min max.
< 320 mA durante máx. 2 minutos
Vitesse moyenne d'enclenchement / Velocidad media de func.:
Câble de raccordement / Cable de conexión:
Longueur de câble / Longitud del cable:
Coloris de boîtier / Color de la caja del motor:

cim 717

Vanne d'équilibrage avec contrôle indépendant de la pression (PICV) Válvula de equilibrio con control independiente de la presión (PICV)


cim 717LF
cim 717HF

cim 717PLF
cim 717PHF

| DÉBIT BASSE CAUDAL BAJO | Cim 717LF - Cim 717PLF | | |
|----------------------------|------------------------|--------------------|---------------------|
| Dim./Tamaño | Débit/Caudal (l/h) | Débit/Caudal (l/s) | Débit/Caudal (gpm*) |
| 1/2" DN 10 | 43 ÷ 150 | 0,0119 ÷ 0,0416 | 0,189 ÷ 0,659 |
| 3/4" DN 15 | 86 ÷ 347 | 0,0240 ÷ 0,0965 | 0,380 ÷ 1,530 |

* Les unités de mesure "gpm" correspondent à gallons US/minute
* Los valores "gpm" corresponden a un galón estadounidense por minuto

UTILISATIONS: Les vannes Cim 717 sont projetées pour l'équilibrage automatique des installations de chauffage (LPWH) et de refroidissement malgré les fluctuations de pression du système. Les vannes Cim 717 sont disponibles en laiton "CR".

Grâce à leur structure les vannes Cim 717 sont à même de réaliser trois fonctions différentes, en détail:

RÉGLAGE

Sélection du débit souhaité dans la gamme de fonctionnement;

CONTRÔLE

Garder le débit sélectionné malgré les fluctuations de pression;

MODULATION

Modulation du débit "full authority" par des actionneurs.

| DÉBIT HAUTE CAUDAL BAJO | Cim 717HF - Cim 717PHF | | |
|----------------------------|------------------------|--------------------|---------------|
| Dim./Tamaño | Débit/Caudal (l/h) | Débit/Caudal (l/s) | Flow (gpm*) |
| 1/2" DN 10 | 86 ÷ 347 | 0,0240 ÷ 0,0965 | 0,380 ÷ 1,530 |
| 3/4" DN 15 | 96 ÷ 483 | 0,0266 ÷ 0,1341 | 0,422 ÷ 2,125 |
| 1" DN 20 | 180 ÷ 900 | 0,0500 ÷ 0,2500 | 0,792 ÷ 3,960 |
| 1 1/4" DN 25 | 340 ÷ 1700 | 0,094 ÷ 0,4720 | 1,496 ÷ 7,480 |

APLICACIONES: Las válvulas Cim 717 se han diseñado para equilibrar automáticamente las instalaciones de calefacción (LPWH) y de climatización con independencia de las fluctuaciones de presión. Las válvulas Cim 717 están disponibles en latón "CR".

Gracias a su estructura, las válvulas Cim 717 pueden desempeñar tres funciones diferentes. En concreto:

REGULACIÓN

Selección del caudal deseado dentro del rango de funcionamiento;

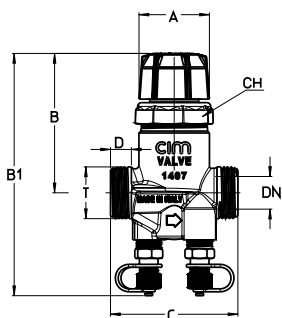
CONTROL

Mantenimiento del caudal seleccionado con independencia de las fluctuaciones de presión;

MODULACIÓN

Modulación del caudal "full authority" por medio de actuadores.

| DN | € | € | Grms. | A | B | B1 | C | D | CH |
|--------|------------------------|--------------------------|-------|----|----|-----|-----|----|----|
| | Cim 717LF Cim 717HF | Cim 717PLF Cim 717PHF | | | | | | | |
| 1/2" | 100,50 | 93,60 | 450 | 35 | 75 | 130 | 53 | 9 | 38 |
| 3/4" | 101,65 | 94,75 | 490 | 35 | 75 | 134 | 65 | 11 | 38 |
| 1" | 106,30 | 99,35 | 790 | 35 | 88 | 148 | 82 | 11 | 38 |
| 1 1/4" | 127,05 | 120,15 | 935 | 35 | 88 | 148 | 104 | 11 | 38 |



Actionneurs thermoélectriques

Actuadores termoeléctricos

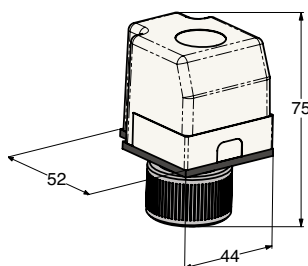
Les vannes d'équilibrage automatique Cim 795 peuvent être équipées avec les actionneurs thermoélectriques suivants

Las válvulas de equilibrio automáticas Cim 795 se pueden equipar con los siguientes actuadores termoeléctricos

cim EMV311/NC 230 (230 VAC EMV)
cim EMV311/NC 24 (24 VAC)

cim EMV311/NO 230 (230 VAC)
cim EMV311/NO 24 (24 VAC)

| | |
|--------------------|---------|
| Cim EMV 311/NC 230 | € 40,45 |
| Cim EMV 311/NC 24 | € 40,45 |
| Cim EMV 311/NO 230 | € 40,45 |
| Cim EMV 311/NO 24 | € 40,45 |



Actionneur thermoélectrique pour l'ouverture et la fermeture de vannes dans les circuits de distribution intégrés dans les systèmes de chauffage par le sol.

- Construction compacte, petites dimensions
- Protection totale contre les fuites
- Témoin de fonctionnement circulaire
- Haute longévité et sécurité de fonctionnement
- Faible puissance absorbée
- Position de montage 360°
- Repère pour le raccordement
- Sécurité grâce au coupe-circuit de surtension incorporé

Actuador termoeléctrico para la apertura y cierre de las válvulas en instalaciones de calefacción y refrigeración.

- Estructura compacta, tamaño pequeño
- Protección total contra pérdidas
- Indicador de funcionamiento
- Funcionamiento seguro y de larga duración
- Consumo de potencia reducido
- Posición de instalación 360°
- Preparado para la conexión de la válvula

Actionneur thermoélectrique:

Cim EMV 311/NC 230
Cim EMV 311/NC 24
Cim EMV 311/NO 230
Cim EMV 311/NC 24
Actionneur 230V-24V NO - NC
230 VAC - 24 VAC

Tension de service:

Actionneur thermoélectrique:

Puissance de fonctionnement:

Classe de protection:

Poids:

Distance de réglage:

Puissance:

Longueur du câble:

Coloris de boîtier:

2.5 W

IP54

200 grms

4 mm

160 N

1 m

gris

Actuador termoeléctrico:

Cim EMV 311/NC 230

Cim EMV 311/NC 24

Cim EMV 311/NO 230

Cim EMV 311/NC 24

Actuador 230V-24V NO - NC

230 VAC - 24 VAC

Tensión de alimentación:

Frecuencia:

Potencia:

Clase de protección:

Peso:

Carrera máxima:

Fuerza del actuador:

Longitud del cable:

Color de la caja del motor:

50/60 Hz

2.5 W

IP54

200 grms

4 mm

160 N

1 m

gris

cim 3739B

Vanne d'équilibrage orifice variable à brides Válvula de equilibrio de orificio variable bridada

cim 3739B



DN 40÷150



DN 200÷300

UTILISATIONS: Les vannes d'équilibrage à brides **Cim 3739B** sont employées pour assurer un équilibrage optimal des débits dans les applications de chauffage ou de refroidissement de grandes dimensions.

Les vannes sont en fonte EN-JL 1040 avec brides percées PN 16.

Les vannes **Cim 3739B** ont un dispositif de mise en mémoire de la position de la vanne, ce qui permet son ouverture et fermeture à la même position prédéfinie. Elles sont fournies avec prises de pression **Cim 723**.

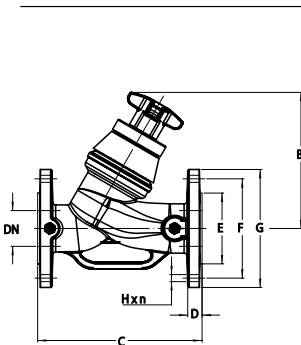
- Classe de pression: PN16 - Température: +10°C ÷ 120°C
- Brides: ISO 7005-2

APLICACIONES: Las válvulas de equilibrio bridadas **Cim 3739B** se emplean cuando es necesario un equilibrado correcto de los caudales en las instalaciones de calefacción y climatización de grandes dimensiones.

Las válvulas son de fundición EN-JL 1040 y tienen bridas perforadas y dimensionadas PN 16.

Las válvulas **Cim 3739B** están dotadas de un dispositivo para memorizar la posición de las válvulas, de tal modo que se pueden cerrar y volver a abrir en la posición exacta prefijada. Cuentan con tomas de presión **Cim 723**.

- Clase de presión: PN16. Temperatura: de -10°C a 120°C
- Brides: ISO 7005-2



| DN | € | Kg. | B | C | D | E | F | G | H | n | Kv-Kvs |
|-----|----------|------|-------|-----|----|-----|-----|-----|----|----|----------|
| 40 | 286,65 | 8,2 | 178 | 200 | 14 | 84 | 110 | 150 | 19 | 4 | 26,15 |
| 50 | 297,70 | 11,6 | 190 | 230 | 16 | 99 | 125 | 165 | 19 | 4 | 47,50 |
| 65 | 338,40 | 15,6 | 214 | 290 | 17 | 118 | 145 | 185 | 19 | 4 | 79,70 |
| 80 | 409,05 | 19,8 | 225 | 310 | 19 | 132 | 160 | 200 | 19 | 8 | 116,80 |
| 100 | 621,25 | 34,8 | 334,5 | 350 | 21 | 156 | 180 | 220 | 19 | 8 | 196,80 |
| 125 | 813,85 | 52,4 | 369 | 400 | 22 | 178 | 210 | 250 | 19 | 8 | 360,00 |
| 150 | 1.073,90 | 78,6 | 403 | 480 | 21 | 211 | 240 | 285 | 23 | 8 | 387,80 |
| 200 | 2.013,00 | 173 | 732 | 600 | 26 | 266 | 295 | 340 | 23 | 12 | 724,80 |
| 250 | 4.480,50 | 254 | 739,5 | 730 | 29 | 320 | 355 | 405 | 28 | 12 | 866,00 |
| 300 | 7.274,00 | 350 | 848,5 | 850 | 28 | 370 | 410 | 460 | 28 | 12 | 1.474,60 |

CERTIFICADOS DE **EMPRESA**

ATUSA, en una búsqueda de mejora continua en todas sus actividades, posee desde hace años un Sistema de Gestión de la Calidad conforme a la norma internacional ISO 9001 para su producción de materiales de fundición maleable así como para su actividad comercial.

Del mismo modo, los productos que ATUSA suministra a los mercados más exigentes, gozan de gran prestigio y poseen las certificaciones necesarias para demostrar su conformidad con los estándares aplicables. Entre ellas se encuentran algunas de reconocido prestigio internacional tales como:

AENOR (España)
VDS y DVGW (Alemania)
SVGW (Suiza)
CERTIF (Portugal)
PZH (Polonia)
TSE (Turquía)
FM y UL (USA)
ULC (Canadá)
ÜA (Austria)

Todos los productos comercializados por ATUSA están asegurados de acuerdo a la Directiva 85/374/CEE que regula la Responsabilidad Civil por los daños derivados de un producto defectuoso.

En algunos casos y previo acuerdo con los clientes, ATUSA suministra certificados de conformidad tipo 2.1 y 3.1 según la norma EN.



CONDICIONES GENERALES **DE VENTA**

Las condiciones generales de venta se consideran aceptadas por la parte compradora en el momento de efectuar el pedido. No obstante, estas podrán ser modificadas por condiciones especiales pactadas previamente por escrito y confirmadas por las partes compradora y vendedora.

No tendrán efecto jurídico condiciones diferentes a las aquí especificadas no aceptadas explícitamente por la parte vendedora.

MERCANCÍAS

Nuestros productos incluyen nuestros embalajes estándar. Los artículos serán suministrados siempre por los embalajes mínimos de venta especificados en el catálogo.

Los datos incluidos en este catálogo son aproximados y a título informativo. ATUSA se reserva el derecho de modificar total o parcialmente las características y materiales de cualquiera de sus productos.

ENTREGAS

Los plazos de entrega son aproximados y sujetos a modificaciones. Entregas parciales están permitidas siempre y cuando no exista un acuerdo escrito que lo prohíba. El no respetar el plazo de entrega no obliga a ninguna indemnización por daños y perjuicios.

PRECIOS Y RESERVA DE LA PROPIEDAD

Los precios indicados están expresados en euros, debiéndose aplicar el I.V.A. correspondiente según el reglamento en vigor.

ATUSA se reserva el derecho de propiedad de la mercancía suministrada hasta que el comprador no haya satisfecho totalmente la cantidad adeudada. Hasta ese momento serán consideradas en concepto de depósito. Por lo tanto, el vendedor podrá proceder a la recuperación de la mercancía sin previo aviso, en caso de impago por parte del comprador.

TRANSPORTE

Los precios de esta tarifa son considerados con portes pagados para envíos a Península y Baleares de más de 600 € y/o 100 Kg de carga. Para importes y cargas inferiores a las indicadas se podrán enviar mercancías incluyendo un cargo por este concepto negociado con la agencia de transportes.

En el caso de las Islas Canarias, los valores mínimos para considerar los portes pagados son 900 €. No se contemplan envíos de menor cuantía. Los gastos de importación serán a cargo de la parte compradora.

Siempre que le mercancía viaje a portes pagados, la parte vendedora podrá elegir la empresa de transporte. No obstante, la parte compradora podrá siempre solicitar la venta a portes debidos, teniendo la posibilidad de elegir la manera de retirar la mercancía.

DEVOLUCIONES

No se admitirán devoluciones que no tengan la aceptación por escrito de nuestro Dpto. Comercial. El material devuelto debe ir acompañado por un albarán de entrega indicando el código del producto, cantidad y motivo de la devolución. En el caso de devoluciones a portes debidos, será el Dpto. Comercial de ATUSA quien indicará la agencia de transportes para su retirada. El incumplimiento de cualquiera de las condiciones indicadas supondrá el rechazo de la devolución.

Todo material devuelto por motivos no imputables a ATUSA tendrá un demérito mínimo del 25% en concepto de manipulación. No se admitirán devoluciones de productos que no cumplan las condiciones de venta o que no conserven su embalaje original.

En los casos de defecto de cantidad o deterioro de la mercancía a su entrega, no se admitirán reclamaciones transcurridos 7 días naturales desde la expedición de las mismas. En los demás casos, no se admitirán devoluciones transcurridos 30 días desde su expedición.

GARANTÍAS

Los productos de ATUSA tienen dos años de garantía a partir de la fecha de entrega. Durante este periodo, ATUSA se compromete a la sustitución de los artículos defectuosos, excluyendo otro tipo de cargo como transporte o manipulación.

La cobertura de esta garantía no incluye la sustitución de aquellos productos deteriorados por un tratamiento inapropiado, un montaje defectuoso o un uso inadecuado.

ATUSA dispone de un Seguro de Responsabilidad Civil de acuerdo a la ley vigente.

JURISDICCIÓN

Para aquellos litigios que pudieran surgir en el marco de la relación contractual entre la parte compradora y ATUSA, serán competentes los Tribunales de Vitoria (Álava). Igualmente, se acuerda como aplicable el Derecho español.