

# ms

mangueras **SOMA**



**CATÁLOGO  
HIDRÁULICA**

## MANGUERAS HIDRAULICAS

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PRENSAS HIDRAULICAS

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# CERTIFICATE

n° 00255

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Mangueras Soma, S.L.

Authorized Distributor  
for

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Hydraulic Components

Qualified manufacturing company in design and production of hydraulic fittings, adapters and hydraulic hoses with steel wire reinforcement and rubber cover.

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## TEKNO 1SN/R1AT TRENZADO DE ALAMBRE 1 MALLA



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.                                |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico reforzado con 1 trenza de alambre. Adecuado para media presión y líneas de retorno. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua. Disponible en versión antiabrasiva y MSHA (bajo pedido).

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   |        |         |       | bar             | PSI  | bar            | PSI   |             |
| TH1SN03 | 3/16"      | 4,8  | 11,5   | 3,35    | 0,170 | 250             | 3620 | 1000           | 14480 | 90          |
| TH1SN04 | 1/4"       | 6,4  | 13,1   | 3,35    | 0,210 | 225             | 3260 | 900            | 13040 | 100         |
| TH1SN05 | 5/16"      | 7,9  | 14,7   | 3,40    | 0,260 | 215             | 3110 | 860            | 12440 | 115         |
| TH1SN06 | 3/8"       | 9,5  | 17,1   | 3,80    | 0,320 | 180             | 2610 | 720            | 10440 | 130         |
| TH1SN08 | 1/2"       | 12,8 | 20,2   | 3,70    | 0,400 | 160             | 2320 | 640            | 9280  | 180         |
| TH1SN10 | 5/8"       | 16   | 23,4   | 3,70    | 0,480 | 130             | 1880 | 520            | 7520  | 200         |
| TH1SN12 | 3/4"       | 19   | 27,4   | 4,20    | 0,600 | 105             | 1520 | 420            | 6080  | 240         |
| TH1SN16 | 1"         | 25,4 | 35,3   | 4,95    | 0,920 | 88              | 1270 | 352            | 5080  | 300         |
| TH1SN20 | 1.1/4"     | 31,8 | 42,9   | 5,55    | 1,200 | 63              | 910  | 252            | 3620  | 420         |
| TH1SN24 | 1.1/2"     | 38,1 | 50,1   | 6,00    | 1,460 | 50              | 720  | 200            | 2880  | 500         |
| TH1SN32 | 2"         | 50,8 | 63,4   | 6,30    | 2,040 | 40              | 580  | 160            | 2320  | 630         |

## TEKNO 2SN/R2AT TRENZADO DE ALAMBRE 2 MALLAS



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                          |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico reforzado con 2 trenzas de alambre. Adecuado para media y alta presión. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua. Disponible en versión antiabrasiva y MSHA (bajo pedido).

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   |        |         |       | bar             | PSI  | bar            | PSI   |             |
| TH2SN03 | 3/16"      | 4,8  | 13,1   | 4,15    | 0,270 | 415             | 6010 | 1660           | 24040 | 90          |
| TH2SN04 | 1/4"       | 6,4  | 14,6   | 4,10    | 0,340 | 400             | 5800 | 1600           | 23200 | 100         |
| TH2SN05 | 5/16"      | 7,9  | 16,3   | 4,20    | 0,410 | 350             | 5070 | 1400           | 20280 | 115         |
| TH2SN06 | 3/8"       | 9,5  | 18,7   | 4,60    | 0,520 | 330             | 4780 | 1320           | 19120 | 130         |
| TH2SN08 | 1/2"       | 12,8 | 21,8   | 4,50    | 0,600 | 275             | 3980 | 1100           | 1590  | 180         |
| TH2SN10 | 5/8"       | 16   | 25     | 4,50    | 0,740 | 250             | 3620 | 1000           | 14480 | 200         |
| TH2SN12 | 3/4"       | 19   | 29     | 5,00    | 0,930 | 215             | 3110 | 860            | 12440 | 240         |
| TH2SN16 | 1"         | 25,4 | 36,9   | 5,75    | 1,300 | 165             | 2390 | 660            | 9560  | 300         |
| TH2SN20 | 1.1/4"     | 31,8 | 46,7   | 7,45    | 1,900 | 125             | 1810 | 500            | 7240  | 420         |
| TH2SN24 | 1.1/2"     | 38,1 | 53,8   | 7,85    | 2,250 | 100             | 1450 | 400            | 5800  | 500         |
| TH2SN32 | 2"         | 50,8 | 66,5   | 7,85    | 2,820 | 90              | 1300 | 360            | 5220  | 630         |



## TEKNO 1ST/R1A TRENZADO DE ALAMBRE 1 MALLA



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.                                |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico reforzado con 1 trenza de alambre recubierta con más espesor de caucho. Adecuado para resistir el roce o abrasión en líneas de baja y media presión. Recomendada para el sector de limpieza urbana y minería.

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH1ST04 | 1/4"       | 6,4  | 15,9   | 4,75    | 0,300 | 225             | 3260 | 900            | 13040 | 100         |
| TH1ST05 | 5/16"      | 7,9  | 17,5   | 4,80    | 0,380 | 215             | 3110 | 860            | 12440 | 115         |
| TH1ST06 | 3/8"       | 9,5  | 19,8   | 5,15    | 0,430 | 180             | 2610 | 720            | 10440 | 130         |
| TH1ST08 | 1/2"       | 12,8 | 23     | 5,10    | 0,550 | 160             | 2320 | 640            | 9280  | 180         |
| TH1ST10 | 5/8"       | 16   | 26,2   | 5,10    | 0,640 | 130             | 1880 | 520            | 7520  | 200         |
| TH1ST12 | 3/4"       | 19   | 30,2   | 5,60    | 0,770 | 105             | 1520 | 420            | 6080  | 240         |
| TH1ST16 | 1"         | 25,4 | 38,1   | 6,35    | 1,180 | 88              | 1270 | 352            | 5080  | 300         |
| TH1ST20 | 1.1/4"     | 31,8 | 46     | 7,10    | 1,530 | 63              | 910  | 252            | 3640  | 420         |
| TH1ST24 | 1.1/2"     | 38,1 | 52,4   | 7,15    | 1,690 | 50              | 720  | 200            | 2880  | 500         |

## TEKNO 2ST/R2A TRENZADO DE ALAMBRE 2 MALLAS



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                          |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico reforzado con 2 trenzas de alambre recubierta con más espesor de caucho. Adecuado para resistir el roce o abrasión en líneas de media y alta presión. Recomendada para el sector de limpieza urbana y minería.

| Código      | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|             | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH2ST04     | 1/4"       | 6,4  | 17,5   | 5,55    | 0,430 | 400             | 5800 | 1600           | 23200 | 100         |
| TH2ST05     | 5/16"      | 7,9  | 19,1   | 5,60    | 0,530 | 350             | 5070 | 1400           | 20280 | 115         |
| TH2ST06     | 3/8"       | 9,5  | 21,4   | 5,95    | 0,620 | 330             | 4780 | 1320           | 19120 | 130         |
| TH2ST08-100 | 1/2"       | 12,8 | 24,6   | 5,90    | 0,730 | 275             | 3980 | 1100           | 15920 | 180         |
| TH2ST08-130 | 1/2"       | 12,8 | 24,6   | 5,90    | 0,730 | 275             | 3980 | 1100           | 15920 | 180         |
| TH2ST10     | 5/8"       | 16   | 27,8   | 5,90    | 0,900 | 250             | 3620 | 1000           | 14480 | 200         |
| TH2ST12-100 | 3/4"       | 19   | 31,8   | 6,40    | 1,150 | 215             | 3110 | 860            | 12440 | 240         |
| TH2ST12-130 | 3/4"       | 19   | 31,8   | 6,40    | 1,150 | 215             | 3110 | 860            | 12440 | 240         |
| TH2ST16     | 1"         | 25,4 | 39,7   | 7,15    | 1,550 | 165             | 2390 | 660            | 9560  | 300         |
| TH2ST20     | 1.1/4"     | 31,8 | 50,8   | 9,50    | 2,250 | 125             | 1810 | 500            | 7240  | 420         |
| TH2ST24     | 1.1/2"     | 38,1 | 57,2   | 9,55    | 2,800 | 100             | 1450 | 400            | 5800  | 500         |
| TH2ST32     | 2"         | 50,8 | 69,8   | 9,50    | 3,510 | 90              | 1300 | 360            | 5220  | 630         |

## TEKNO 1SC TRENZADO DE ALAMBRE 1 MALLA



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.                                |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico extra flexible, reforzado con 1 trenza de alambre. Adecuado para media presión y líneas de retorno. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua.

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH1SC04 | 1/4"       | 6,4  | 12,2   | 2,90    | 0,170 | 225             | 3260 | 900            | 13040 | 75          |
| TH1SC05 | 5/16"      | 7,9  | 13,5   | 2,80    | 0,220 | 215             | 3110 | 860            | 12440 | 85          |
| TH1SC06 | 3/8"       | 9,5  | 15,6   | 3,05    | 0,260 | 180             | 2610 | 720            | 10440 | 90          |
| TH1SC08 | 1/2"       | 12,8 | 19,1   | 3,15    | 0,360 | 160             | 2320 | 640            | 9280  | 130         |
| TH1SC10 | 5/8"       | 16   | 22,4   | 3,20    | 0,450 | 130             | 1880 | 520            | 7520  | 150         |
| TH1SC12 | 3/4"       | 19   | 26,0   | 3,50    | 0,530 | 105             | 1520 | 420            | 6080  | 180         |
| TH1SC16 | 1"         | 25,4 | 33,4   | 4,00    | 0,770 | 88              | 1270 | 352            | 5080  | 230         |
| TH1SC20 | 1.1/4"     | 31,8 | 40,9   | 4,55    | 0,990 | 63              | 910  | 252            | 3640  | 250         |
| TH1SC24 | 1.1/2"     | 38,1 | 47,5   | 4,70    | 1,250 | 50              | 720  | 200            | 2880  | 300         |
| TH1SC32 | 2"         | 50,8 | 60,5   | 4,85    | 1,600 | 40              | 580  | 160            | 2320  | 400         |

## TEKNO 1SC PLUS TRENZADO DE ALAMBRE 1 MALLA REFORZADO



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.                                |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico de altas prestaciones ultra flexible con 1 trenza de alambre reforzado que soporta mayor presión que los tubos de 1 trenzado estándar. Adecuado para media presión y líneas de retorno. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua.

| Código   | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|----------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|          | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH1SC04P | 1/4"       | 6,4  | 12,2   | 2,90    | 0,190 | 290             | 4200 | 1160           | 16800 | 45          |
| TH1SC05P | 5/16"      | 7,9  | 13,5   | 2,80    | 0,220 | 255             | 3700 | 1020           | 14800 | 55          |
| TH1SC06P | 3/8"       | 9,5  | 15,6   | 3,05    | 0,280 | 230             | 3335 | 920            | 13400 | 60          |
| TH1SC08P | 1/2"       | 12,8 | 19,1   | 3,15    | 0,370 | 200             | 2900 | 800            | 11600 | 70          |
| TH1SC10P | 5/8"       | 16   | 22,4   | 3,20    | 0,440 | 160             | 2320 | 640            | 9300  | 90          |
| TH1SC12P | 3/4"       | 19   | 26     | 3,50    | 0,550 | 150             | 2175 | 600            | 8700  | 100         |
| TH1SC16P | 1"         | 25,4 | 33,4   | 4,00    | 0,770 | 110             | 1595 | 440            | 6400  | 160         |
| TH1SC20P | 1.1/4"     | 31,8 | 40,9   | 4,55    | 1,090 | 100             | 1450 | 400            | 5800  | 210         |
| TH1SC24P | 1.1/2"     | 38,1 | 47,5   | 4,70    | 1,250 | 60              | 870  | 240            | 3480  | 300         |
| TH1SC32P | 2"         | 50,8 | 60,5   | 4,85    | 1,600 | 50              | 720  | 200            | 2880  | 400         |

## TEKNO 2SC TRENZADO DE ALAMBRE 2 MALLAS



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                          |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico extra flexible, reforzado con 2 trenzas de alambre. Adecuado para media y alta presión. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua.

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH2SC04 | 1/4"       | 6,4  | 13,3   | 3,45    | 0,270 | 400             | 5800 | 1600           | 23200 | 75          |
| TH2SC05 | 5/16"      | 7,9  | 14,9   | 3,50    | 0,330 | 350             | 5070 | 1400           | 20280 | 85          |
| TH2SC06 | 3/8"       | 9,5  | 17,0   | 3,75    | 0,400 | 330             | 4780 | 1320           | 19120 | 90          |
| TH2SC08 | 1/2"       | 12,8 | 20,4   | 3,80    | 0,510 | 275             | 4000 | 1100           | 16000 | 130         |
| TH2SC10 | 5/8"       | 16   | 23,8   | 3,90    | 0,660 | 250             | 3620 | 1000           | 14480 | 170         |
| TH2SC12 | 3/4"       | 19   | 27,5   | 4,25    | 0,810 | 215             | 3120 | 860            | 12480 | 200         |
| TH2SC16 | 1"         | 25,4 | 35,3   | 4,95    | 1,200 | 165             | 2400 | 660            | 9600  | 250         |

## TEKNO 2SC PLUS TRENZADO DE ALAMBRE 2 MALLAS REFORZADO



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                          |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico de altas prestaciones ultra flexible con 2 trenzas de alambre reforzado que soporta mayor presión que los tubos de 2 trenzados estándar. Adecuado para media y alta presión. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua.

| Código   | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|----------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|          | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH2SC04P | 1/4"       | 6,4  | 13,3   | 3,45    | 0,300 | 420             | 6100 | 1680           | 24400 | 45          |
| TH2SC05P | 5/16"      | 7,9  | 14,9   | 3,50    | 0,340 | 400             | 5800 | 1600           | 23200 | 55          |
| TH2SC06P | 3/8"       | 9,5  | 17     | 3,75    | 0,410 | 350             | 5100 | 1400           | 20400 | 65          |
| TH2SC08P | 1/2"       | 12,8 | 20,4   | 3,80    | 0,520 | 310             | 4500 | 1240           | 18000 | 80          |
| TH2SC10P | 5/8"       | 16   | 23,8   | 3,90    | 0,680 | 280             | 4100 | 1120           | 16400 | 90          |
| TH2SC12P | 3/4"       | 19   | 27,5   | 4,25    | 0,850 | 270             | 3910 | 1080           | 15660 | 120         |
| TH2SC16P | 1"         | 25,4 | 35,3   | 4,95    | 1,180 | 210             | 3045 | 840            | 12180 | 160         |
| TH2SC20P | 1.1/4"     | 31,8 | 43,1   | 5,65    | 1,560 | 170             | 2465 | 680            | 9860  | 250         |
| TH2SC24P | 1.1/2"     | 38,1 | 49,8   | 5,85    | 2,150 | 135             | 1960 | 540            | 7840  | 300         |
| TH2SC32P | 2"         | 50,8 | 63,4   | 6,30    | 2,550 | 100             | 1450 | 400            | 5800  | 400         |

## PREMIER TRENZADO DE ALAMBRE 2 MALLAS ALTA TENACIDAD



|                           |                                              |
|---------------------------|----------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético NBR.                        |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia. |
| <b>Cubierta exterior:</b> | Caucho sintético. Aprobado para MSHA.        |
| <b>Temperatura:</b>       | -40°C a +120°C                               |

Tubo hidráulico de altísimas prestaciones, comparable a las mangueras de 4 mallas en presión y a las de 1 malla en flexibilidad. Muy resistente a la abrasión y a altas temperaturas. Recomendado para máquinas forestales, obra pública y trabajos críticos.

| Código     | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|            | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH2SC04PRE | 1/4"       | 6,4  | 13,3   | 3,45    | 0,290 | 450             | 6500 | 1800           | 26100 | 45          |
| TH2SC05PRE | 5/16"      | 7,9  | 14,7   | 3,40    | 0,320 | 425             | 6100 | 1700           | 24650 | 55          |
| TH2SC06PRE | 3/8"       | 9,5  | 17     | 3,75    | 0,420 | 390             | 5600 | 1560           | 22600 | 65          |
| TH2SC08PRE | 1/2"       | 12,8 | 20,4   | 3,80    | 0,560 | 350             | 5100 | 1400           | 20300 | 80          |
| TH2SC10PRE | 5/8"       | 16   | 24     | 4,00    | 0,740 | 350             | 5100 | 1400           | 20300 | 90          |
| TH2SC12PRE | 3/4"       | 19   | 27,5   | 4,25    | 0,840 | 300             | 4300 | 1200           | 17400 | 120         |
| TH2SC16PRE | 1"         | 25,4 | 35,3   | 4,95    | 1,270 | 230             | 3300 | 920            | 13300 | 160         |

## TEKNOJACK TRENZADO DE ALAMBRE 2 MALLAS ALTA TENACIDAD



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                          |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico para presiones estáticas extremas y sistemas de gatos hidráulicos. Reforzado con 2 trenzados de acero de alta tenacidad y un factor de seguridad de 2:1.

| Código   | Ø Interior |     | Ø Ext. | Espesor | Peso  | Presión Trabajo |       | Presión Rotura |       | Radio curva |
|----------|------------|-----|--------|---------|-------|-----------------|-------|----------------|-------|-------------|
|          | inch       | mm  | mm     | mm      | kg/m  | bar             | PSI   | bar            | PSI   | mm          |
| TJK2SN04 | 1/4"       | 6,4 | 15     | 4,30    | 0,320 | 725             | 10500 | 1450           | 21025 | 100         |
| TJK2SN06 | 3/8"       | 9,5 | 17     | 3,75    | 0,390 | 725             | 10500 | 1450           | 21025 | 125         |



## FORTHREE TRENZADO DE ALAMBRE 3 MALLAS



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Triple trenzado de acero de alta resistencia.                         |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico muy flexible fabricado con 3 trenzados de alta tenacidad para aplicaciones de muy alta presión. Recomendado para máquinas forestales, martillos y maquinaria móvil en general.

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH3SN08 | 1/2"       | 12,8 | 23,9   | 5,55    | 0,900 | 470             | 6850 | 1880           | 27400 | 160         |
| TH3SN10 | 5/8"       | 16   | 26,8   | 5,40    | 1,060 | 410             | 6000 | 1640           | 24000 | 220         |
| TH3SN12 | 3/4"       | 19   | 31,3   | 6,15    | 1,360 | 380             | 5500 | 1520           | 22000 | 260         |
| TH3SN16 | 1"         | 25,4 | 38,8   | 6,70    | 1,900 | 330             | 4800 | 1320           | 19200 | 310         |

## TEKNOMASTER TRENZADO DE ALAMBRE 2 MALLAS ALTA TENACIDAD



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                          |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico muy flexible fabricado con 2 trenzados de alta tenacidad concebido para trabajos de altas prestaciones con pequeños radios de curvatura. Recomendada para grúas, volquetes y máquinas de canteras.

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|         | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TM2SN04 | 1/4"       | 6,4  | 14,4   | 4,00    | 0,340 | 490             | 7100 | 1960           | 28400 | 75          |
| TM2SN05 | 5/16"      | 7,9  | 16     | 4,05    | 0,440 | 480             | 6960 | 1920           | 27840 | 115         |
| TM2SN06 | 3/8"       | 9,5  | 18,5   | 4,50    | 0,510 | 400             | 5800 | 1600           | 23200 | 125         |
| TM2SN08 | 1/2"       | 12,8 | 22,1   | 4,65    | 0,650 | 360             | 5240 | 1440           | 20960 | 180         |
| TM2SN10 | 5/8"       | 16   | 25,2   | 4,60    | 0,790 | 350             | 5150 | 1400           | 20600 | 200         |
| TM2SN12 | 3/4"       | 19   | 29,1   | 5,05    | 1,030 | 320             | 4650 | 1280           | 18600 | 240         |
| TM2SN16 | 1"         | 25,4 | 37,5   | 6,05    | 1,450 | 250             | 3650 | 1000           | 14600 | 300         |

## TEKNOSPIR 4SP 4 ESPIRALES DE ACERO



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                        |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Tubo hidráulico de alta presión con 4 espirales de acero. Adecuado para media presión y líneas de retorno. Apto para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites en emulsión acuosa y agua.

| Código         | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TS4SP04</b> | 1/4"       | 6,4  | 17,9   | 5,75    | 0,560 | 500             | 7250 | 2000           | 29000 | 150         |
| <b>TS4SP06</b> | 3/8"       | 9,5  | 21,4   | 5,95    | 0,720 | 460             | 6650 | 1840           | 26600 | 180         |
| <b>TS4SP08</b> | 1/2"       | 12,8 | 24,6   | 5,90    | 0,840 | 425             | 6150 | 1700           | 24600 | 230         |
| <b>TS4SP10</b> | 5/8"       | 16   | 28,2   | 6,10    | 1,120 | 400             | 5800 | 1600           | 23200 | 250         |
| <b>TS4SP12</b> | 3/4"       | 19   | 32,2   | 6,60    | 1,410 | 380             | 5500 | 1520           | 22000 | 300         |
| <b>TS4SP16</b> | 1"         | 25,4 | 39     | 7,00    | 1,920 | 320             | 4600 | 1280           | 18400 | 340         |
| <b>TS4SP20</b> | 1.1/4"     | 31,8 | 50,2   | 9,20    | 2,900 | 210             | 3000 | 840            | 12000 | 460         |
| <b>TS4SP24</b> | 1.1/2"     | 38,1 | 57     | 9,45    | 3,360 | 185             | 2650 | 740            | 10600 | 560         |

## TEKNOSPIR 4SH 4 ESPIRALES DE ACERO



|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                  |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                |
| <b>Cubierta exterior:</b> | Caucho sintético negro, alta resistencia. Aprobada para MSHA. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                           |

Tubo hidráulico de muy alta presión con 4 espirales de acero. Recomendado para grandes prestaciones con caudales elevados, prensas, maquinaria de obra pública y canteras. Disponible bajo pedido en versión antiabrasiva.

| Código         | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TS4SH12</b> | 3/4"       | 19   | 31,2   | 6,10    | 1,470 | 420             | 6090 | 1680           | 24360 | 280         |
| <b>TS4SH16</b> | 1"         | 25,4 | 38,1   | 6,55    | 2,170 | 385             | 5580 | 1540           | 22320 | 340         |
| <b>TS4SH20</b> | 1.1/4"     | 31,8 | 45,2   | 6,70    | 2,710 | 350             | 5070 | 1400           | 20280 | 460         |
| <b>TS4SH24</b> | 1.1/2"     | 38,1 | 53     | 7,45    | 3,260 | 300             | 4350 | 1200           | 17400 | 560         |

## TEKNOSPIR R12 4 ESPIRALES DE ACERO



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                        |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +120°C (puntas hasta 125°C)                                   |

Manguera de alta presión, extra flexible con 4 espirales de acero concebida para trabajos con elevada frecuencia de movimientos y vibración. Adecuada para martillos y maquinaria de obra pública.

| Código         | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TSR1206</b> | 3/8"       | 9,5  | 20     | 5,25    | 0,580 | 280             | 4060 | 1120           | 16240 | 130         |
| <b>TSR1208</b> | 1/2"       | 12,8 | 23,5   | 5,35    | 0,770 | 280             | 4060 | 1120           | 16240 | 180         |
| <b>TSR1210</b> | 5/8"       | 16   | 27,2   | 5,60    | 0,970 | 280             | 4060 | 1120           | 16240 | 200         |
| <b>TSR1212</b> | 3/4"       | 19   | 30,4   | 5,70    | 1,310 | 280             | 4060 | 1120           | 16240 | 240         |
| <b>TSR1216</b> | 1"         | 25,4 | 37,6   | 6,10    | 1,770 | 280             | 4060 | 1120           | 16240 | 300         |
| <b>TSR1220</b> | 1.1/4"     | 31,8 | 45,9   | 7,05    | 2,900 | 210             | 3050 | 840            | 12200 | 420         |
| <b>TSR1224</b> | 1.1/2"     | 38,1 | 53,5   | 7,70    | 3,360 | 175             | 2550 | 700            | 10200 | 500         |

## TEKNOSPIR R13 4-6 ESPIRALES DE ACERO



|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                    |
| <b>Refuerzo:</b>          | Seis espirales de acero de alta resistencia.                    |
| <b>Cubierta exterior:</b> | Caucho sintético, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +120°C (puntas hasta 125°C)                             |

Manguera isobárica de altísima presión, extra flexible con 6 espirales de acero concebida para trabajar de forma exigente con caudales elevados. Recomendada para prensas hidráulicas y máquinas de inyección de plástico.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TSR1312</b>  | 3/4"       | 19   | 32     | 6,50    | 1,410 | 350             | 5070 | 1400           | 20300 | 240         |
| <b>TSR1316</b>  | 1"         | 25,4 | 39,2   | 6,90    | 1,920 | 350             | 5070 | 1400           | 20300 | 300         |
| <b>TSR1320*</b> | 1.1/4"     | 31,8 | 49,8   | 9,00    | 2,710 | 350             | 5070 | 1400           | 20300 | 420         |
| <b>TSR1324*</b> | 1.1/2"     | 38,1 | 57,8   | 9,85    | 4,410 | 350             | 5070 | 1400           | 20300 | 500         |
| <b>TSR1332*</b> | 2"         | 50,8 | 72     | 10,60   | 6,320 | 350             | 5070 | 1400           | 20300 | 630         |

\* Manguera con 6 espirales de acero.

## TEKNOSPIR R15 4-6 ESPIRALES DE ACERO



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                          |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                        |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -40°C a +100°C (puntas hasta 125°C)                                   |

Manguera isobárica de altísima presión, extra flexible con 6 espirales de acero concebida para trabajar de forma exigente con caudales elevados. Recomendada para prensas hidráulicas y máquinas de inyección de plástico.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TSR1512</b>  | 3/4"       | 19   | 32     | 6,50    | 1,470 | 420             | 6090 | 1680           | 24360 | 280         |
| <b>TSR1516</b>  | 1"         | 25,4 | 38,2   | 6,40    | 2,170 | 420             | 6090 | 1680           | 24360 | 340         |
| <b>TSR1520*</b> | 1.1/4"     | 31,8 | 49,1   | 8,65    | 3,800 | 420             | 6090 | 1680           | 24360 | 460         |
| <b>TSR1524*</b> | 1.1/2"     | 38,1 | 57,8   | 9,85    | 4,760 | 420             | 6090 | 1680           | 24360 | 560         |

\* Manguera con 6 espirales de acero.

## EVEREST 5000 4-6 ESPIRALES DE ACERO



|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                   |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                 |
| <b>Cubierta exterior:</b> | Caucho sintético, alta resistencia a la abrasión y a la llama. |
| <b>Temperatura:</b>       | -40°C a +120°C (puntas hasta 125°C)                            |

Tubo isobárico de 4 espirales de acero para prestaciones de extrema flexibilidad con altas presiones pulsantes.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TSER508</b>  | 1/2"       | 12,8 | 27,7   | 7,45    | 0,800 | 350             | 5000 | 1400           | 20000 | 120         |
| <b>TSER510</b>  | 5/8"       | 16   | 26,2   | 5,10    | 1,000 | 350             | 5000 | 1400           | 20000 | 140         |
| <b>TSER512</b>  | 3/4"       | 19   | 31,2   | 6,10    | 1,500 | 350             | 5000 | 1400           | 20000 | 150         |
| <b>TSER516</b>  | 1"         | 25,4 | 38,1   | 6,35    | 2,000 | 350             | 5000 | 1400           | 20000 | 180         |
| <b>TSER520</b>  | 1.1/4"     | 31,8 | 45,5   | 6,85    | 2,700 | 350             | 5000 | 1400           | 20000 | 280         |
| <b>TSER524*</b> | 1.1/2"     | 38,1 | 55     | 8,45    | 4,400 | 350             | 5000 | 1400           | 20000 | 500         |
| <b>TSER532*</b> | 2"         | 50,8 | 67,5   | 8,35    | 6,500 | 350             | 5000 | 1400           | 20000 | 550         |

\* Manguera con 6 espirales de acero.

**EVEREST 6000** 4-6 ESPIRALES DE ACERO

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                   |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                 |
| <b>Cubierta exterior:</b> | Caucho sintético, alta resistencia a la abrasión y a la llama. |
| <b>Temperatura:</b>       | -40°C a +120°C (puntas hasta 125°C)                            |

Tubo isobárico de 4-6 espirales de acero de alta tenacidad, concebido para trabajar en las más extremas condiciones de presión y exigencia de flexibilidad.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TSER604</b>  | 1/4"       | 6,4  | 17,5   | 5,55    | 0,560 | 420             | 6000 | 1680           | 24360 | 60          |
| <b>TSER606</b>  | 3/8"       | 9,5  | 20     | 5,25    | 0,740 | 420             | 6000 | 1680           | 24360 | 90          |
| <b>TSER608</b>  | 1/2"       | 12,8 | 22,7   | 4,95    | 0,870 | 420             | 6000 | 1680           | 24360 | 120         |
| <b>TSER610</b>  | 5/8"       | 16   | 26,6   | 5,30    | 1,200 | 420             | 6000 | 1680           | 24360 | 180         |
| <b>TSER612</b>  | 3/4"       | 19   | 31,2   | 6,10    | 1,500 | 420             | 6000 | 1680           | 24360 | 210         |
| <b>TSER616</b>  | 1"         | 25,4 | 38,6   | 6,60    | 2,200 | 420             | 6000 | 1680           | 24360 | 250         |
| <b>TSER620*</b> | 1.1/4"     | 31,8 | 48,8   | 8,50    | 3,800 | 420             | 6000 | 1680           | 24360 | 445         |
| <b>TSER624*</b> | 1.1/2"     | 38,1 | 57     | 9,45    | 4,800 | 420             | 6000 | 1680           | 24360 | 530         |
| <b>TSER632*</b> | 2"         | 50,8 | 67,5   | 8,35    | 6,500 | 420             | 6000 | 1680           | 24360 | 650         |

\* Manguera con 6 espirales de acero.

**TEKNOBLAST** 4 ESPIRALES DE ACERO

|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                                     |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                        |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -10°C a +70°C (puntas hasta 90°C)                                     |

Tubo fabricado en mandrino, reforzado con espiral, para aplicaciones de eliminación de incrustaciones con agua a muy alta presión. Se utiliza fundamentalmente para agua, jabón y emulsiones.

| Código         | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |       | Presión Rotura |       | Radio curva |
|----------------|------------|------|--------|---------|-------|-----------------|-------|----------------|-------|-------------|
|                | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI   | bar            | PSI   | mm          |
| <b>TB4SP06</b> | 3/8"       | 9,5  | 21,4   | 5,95    | 0,680 | 750             | 10870 | 1875           | 27190 | 180         |
| <b>TB4SP08</b> | 1/2"       | 12,8 | 24,6   | 5,90    | 0,920 | 750             | 10870 | 1875           | 27190 | 220         |
| <b>TB4SP12</b> | 3/4"       | 19   | 32,5   | 6,75    | 1,470 | 750             | 10870 | 1875           | 27190 | 280         |



## TEKNOBLAST PLUS 4 ESPIRALES DE ACERO



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                                     |
| <b>Refuerzo:</b>          | Cuatro espirales de acero de alta resistencia.                        |
| <b>Cubierta exterior:</b> | Caucho sintético negro, resistente a la intemperie y a hidrocarburos. |
| <b>Temperatura:</b>       | -10°C a +70°C (puntas hasta 90°C)                                     |

Tubo fabricado en mandrino, reforzado con espiral, para aplicaciones de eliminación de incrustaciones, corte con agua y hidrodemolición.

Se utiliza fundamentalmente para agua, jabón y emulsiones.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |       | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|-------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI   | bar            | PSI   | mm          |
| <b>TB4SP06P</b> | 3/8"       | 9,5  | 20,4   | 5,45    | 0,870 | 1250            | 18120 | 3125           | 45310 | 230         |
| <b>TB4SP08P</b> | 1/2"       | 12,8 | 24,5   | 5,85    | 1,130 | 1100            | 15950 | 2750           | 39870 | 230         |
| <b>TB4SP12P</b> | 3/4"       | 19   | 32     | 6,50    | 1,690 | 1000            | 14500 | 2500           | 36250 | 250         |

## TEKNOJET 1SN/R1T HIDROLAVADORA AZUL 1 MALLA



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                  |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.             |
| <b>Cubierta exterior:</b> | Caucho sintético azul, resistente a la intemperie. |
| <b>Temperatura:</b>       | -10°C a +135°C (puntas hasta 150°C)                |

Tubo fabricado en caucho sintético con 1 malla de acero, concebido para agua con detergente a temperatura. Dispone de cubierta antiabrasiva microperforada.

Disponible en rojo, negro o gris bajo pedido.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TJ1SN04B</b> | 1/4"       | 6,4  | 13,1   | 3,35    | 0,220 | 250             | 3625 | 1000           | 14500 | 100         |
| <b>TJ1SN05B</b> | 5/16"      | 7,9  | 14,7   | 3,40    | 0,270 | 250             | 3625 | 1000           | 14500 | 115         |
| <b>TJ1SN06B</b> | 3/8"       | 9,5  | 17,1   | 3,80    | 0,320 | 250             | 3625 | 1000           | 14500 | 130         |
| <b>TJ1SN08B</b> | 1/2"       | 12,8 | 20,2   | 3,70    | 0,410 | 250             | 3625 | 1000           | 14500 | 180         |

## TEKNOJET 2SN/R2T HIDROLAVADORA AZUL 2 MALLAS



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                  |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.       |
| <b>Cubierta exterior:</b> | Caucho sintético azul, resistente a la intemperie. |
| <b>Temperatura:</b>       | -10°C a +135°C (puntas hasta 150°C)                |

Tubo fabricado en caucho sintético con 2 mallas de acero, concebido para agua con detergente a temperatura. Dispone de cubierta antiabrasiva microperforada.

Disponible en rojo, negro o gris bajo pedido.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TJ2SN04B</b> | 1/4"       | 6,4  | 14,6   | 4,10    | 0,330 | 400             | 5800 | 1600           | 23200 | 100         |
| <b>TJ2SN05B</b> | 5/16"      | 7,9  | 16,3   | 4,20    | 0,410 | 400             | 5800 | 1600           | 23200 | 115         |
| <b>TJ2SN06B</b> | 3/8"       | 9,5  | 18,7   | 4,60    | 0,510 | 400             | 5800 | 1600           | 23200 | 130         |
| <b>TJ2SN08B</b> | 1/2"       | 12,8 | 21,8   | 4,50    | 0,600 | 400             | 5800 | 1600           | 23200 | 180         |

## TEKNOJET 2SN/R2T PLUS HIDROLAV. AZUL ALTA PRESIÓN



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                  |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.       |
| <b>Cubierta exterior:</b> | Caucho sintético azul, resistente a la intemperie. |
| <b>Temperatura:</b>       | -10°C a +135°C (puntas hasta 150°C)                |

Tubo fabricado en caucho sintético para agua con detergente a temperatura y altísima presión. Se utiliza en máquinas de baldeo profesionales.

| Código               | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|----------------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                      | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TJ2SN04PB</b>     | 1/4"       | 6,4  | 14,6   | 4,10    | 0,360 | 600             | 8700 | 1800           | 26100 | 100         |
| <b>TJ2SN06PB</b>     | 3/8"       | 9,5  | 18,7   | 4,60    | 0,560 | 600             | 8700 | 1800           | 26100 | 130         |
| <b>TJ2SN08PB-100</b> | 1/2"       | 12,8 | 22,2   | 4,70    | 0,630 | 600             | 8700 | 1800           | 26100 | 160         |

## TEKNOJET 1SC HIDROLAVADORA AZUL 1 MALLA FLEXIBLE



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                  |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.             |
| <b>Cubierta exterior:</b> | Caucho sintético azul, resistente a la intemperie. |
| <b>Temperatura:</b>       | -10°C a +135°C (puntas hasta 150°C)                |

Tubo fabricado en caucho sintético extra flexible y ligera con 1 malla de acero. Concebido para agua con detergente a temperatura. Dispone de cubierta antiabrasiva microperforada.

Disponible en rojo, negro o gris bajo pedido.

| Código          | Ø Interior |     | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|-----|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm  | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TJ1SC04B</b> | 1/4"       | 6,4 | 12,2   | 2,90    | 0,200 | 250             | 3625 | 1000           | 14500 | 75          |
| <b>TJ1SC05B</b> | 5/16"      | 7,9 | 13,5   | 2,80    | 0,220 | 250             | 3625 | 1000           | 14500 | 85          |

## TEKNOJET 2SC HIDROLAVADORA AZUL 2 MALLAS FLEXIBLE



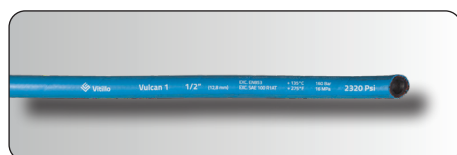
|                           |                                                    |
|---------------------------|----------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético.                                  |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.       |
| <b>Cubierta exterior:</b> | Caucho sintético azul, resistente a la intemperie. |
| <b>Temperatura:</b>       | -10°C a +135°C (puntas hasta 150°C)                |

Tubo fabricado en caucho sintético extra flexible y ligera con 2 mallas de acero. Concebido para agua con detergente a temperatura. Dispone de cubierta antiabrasiva microperforada.

Disponible en rojo, negro o gris bajo pedido.

| Código          | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TJ2SC04B</b> | 1/4"       | 6,4  | 13,3   | 3,45    | 0,270 | 400             | 5800 | 1600           | 23200 | 75          |
| <b>TJ2SC05B</b> | 5/16"      | 7,9  | 14,9   | 3,50    | 0,320 | 400             | 5800 | 1600           | 23200 | 85          |
| <b>TJ2SC06B</b> | 3/8"       | 9,5  | 17     | 3,75    | 0,400 | 400             | 5800 | 1600           | 23200 | 90          |
| <b>TJ2SC08B</b> | 1/2"       | 12,8 | 20,4   | 3,80    | 0,540 | 400             | 5800 | 1600           | 23200 | 130         |

## VULCAN 1/R1 COMPRESORES - TEMPERATURA



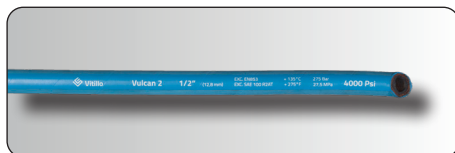
|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                         |
| <b>Refuerzo:</b>          | Trenzado de acero de alta resistencia.                               |
| <b>Cubierta exterior:</b> | Caucho sintético, resistente a la intemperie y a hidrocarburos.      |
| <b>Temperatura:</b>       | -40°C a +135°C (servicio continuo) Puntas hasta 150°C (intermitente) |

Tubo fabricado en caucho sintético con 1 trenzado de acero y dimensiones 1SN, resistiendo a aire y aceites a temperaturas de 135°C con puntas de 150°C.

Recomendado para compresores.

| Código           | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|------------------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                  | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>TH1SN04V1</b> | 1/4"       | 6,4  | 13,5   | 3,55    | 0,240 | 225             | 3260 | 900            | 13040 | 100         |
| <b>TH1SN05V1</b> | 5/16"      | 7,9  | 15,1   | 3,60    | 0,290 | 215             | 3110 | 860            | 12440 | 115         |
| <b>TH1SN06V1</b> | 3/8"       | 9,5  | 17,5   | 4,00    | 0,360 | 180             | 2610 | 720            | 10440 | 130         |
| <b>TH1SN08V1</b> | 1/2"       | 12,8 | 20,6   | 3,90    | 0,430 | 160             | 2320 | 640            | 9280  | 180         |
| <b>TH1SN10V1</b> | 5/8"       | 16   | 23,8   | 3,90    | 0,520 | 130             | 1880 | 520            | 7520  | 200         |
| <b>TH1SN12V1</b> | 3/4"       | 19   | 27,9   | 4,45    | 0,660 | 105             | 1520 | 420            | 6080  | 240         |
| <b>TH1SN16V1</b> | 1"         | 25,4 | 36     | 5,30    | 0,980 | 88              | 1270 | 352            | 5080  | 300         |
| <b>TH1SN20V1</b> | 1.1/4"     | 31,8 | 43,4   | 5,80    | 1,300 | 63              | 910  | 252            | 3620  | 420         |
| <b>TH1SN24V1</b> | 1.1/2"     | 38,1 | 50,1   | 6,00    | 1,520 | 50              | 720  | 200            | 2880  | 500         |
| <b>TH1SN32V1</b> | 2"         | 50,8 | 63,5   | 6,35    | 2,200 | 40              | 580  | 160            | 2320  | 630         |

## VULCAN 2/R2 COMPRESORES - TEMPERATURA



|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.                         |
| <b>Refuerzo:</b>          | Doble trenzado de acero de alta resistencia.                         |
| <b>Cubierta exterior:</b> | Caucho sintético, resistente a la intemperie y a hidrocarburos.      |
| <b>Temperatura:</b>       | -40°C a +135°C (servicio continuo) Puntas hasta 150°C (intermitente) |

Tubo fabricado en caucho sintético con 2 trenzados de acero y dimensiones 2SN, resistiendo a aire y aceites a temperaturas de 135°C con puntas de 150°C.

Recomendado para compresores.

| Código    | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|           | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| TH2SN04V2 | 1/4"       | 6,4  | 14,8   | 4,20    | 0,350 | 400             | 5800 | 1600           | 23200 | 100         |
| TH2SN05V2 | 5/16"      | 7,9  | 16,5   | 4,30    | 0,460 | 350             | 5070 | 1400           | 20280 | 115         |
| TH2SN06V2 | 3/8"       | 9,5  | 18,9   | 4,70    | 0,560 | 330             | 4780 | 1320           | 19120 | 130         |
| TH2SN08V2 | 1/2"       | 12,8 | 22     | 4,60    | 0,650 | 275             | 3980 | 1100           | 15920 | 180         |
| TH2SN10V2 | 5/8"       | 16   | 25,2   | 4,60    | 0,800 | 250             | 3620 | 1000           | 14480 | 200         |
| TH2SN12V2 | 3/4"       | 19   | 29,2   | 5,10    | 1,000 | 215             | 3110 | 860            | 12440 | 240         |
| TH2SN16V2 | 1"         | 25,4 | 37,1   | 5,85    | 1,380 | 165             | 2390 | 660            | 9560  | 300         |
| TH2SN20V2 | 1.1/4"     | 31,8 | 47     | 7,60    | 2,000 | 125             | 1810 | 500            | 7240  | 420         |
| TH2SN24V2 | 1.1/2"     | 38,1 | 53,5   | 7,70    | 2,300 | 100             | 1450 | 400            | 5800  | 500         |
| TH2SN32V2 | 2"         | 50,8 | 66,2   | 7,70    | 3,000 | 90              | 1305 | 360            | 5220  | 630         |

## TEKNO 2TE EN854 2TE - 2 TRENZAS TEXTILES



|                           |                                                    |
|---------------------------|----------------------------------------------------|
| <b>Tubo interior:</b>     | Caucho sintético resistente a hidrocarburos.       |
| <b>Refuerzo:</b>          | Trenzado textil de alta resistencia.               |
| <b>Cubierta exterior:</b> | Caucho sintético negro resistente a la intemperie. |
| <b>Temperatura:</b>       | -40°C a +100°C                                     |

Tubo fabricado en mandrino, reforzado con trenzado textil de alta resistencia, para líneas de baja presión y líneas de retorno. Se utiliza fundamentalmente para aceites minerales, aceites vegetales y de colza, aceites a base de glicol y poliglicol, aceites, aceites en emulsión acuosa y agua.

| Código  | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |      | Radio curva |
|---------|------------|------|--------|---------|-------|-----------------|------|----------------|------|-------------|
|         | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI  | mm          |
| TH2TE04 | 1/4"       | 6,4  | 13,4   | 3,50    | 0,130 | 75              | 1088 | 300            | 4350 | 40          |
| TH2TE05 | 5/16"      | 7,9  | 14,9   | 3,50    | 0,170 | 68              | 986  | 272            | 3944 | 50          |
| TH2TE06 | 3/8"       | 9,5  | 16,5   | 3,50    | 0,180 | 63              | 914  | 252            | 3654 | 60          |
| TH2TE08 | 1/2"       | 12,8 | 19,7   | 3,45    | 0,260 | 58              | 841  | 232            | 3364 | 70          |
| TH2TE10 | 5/8"       | 16   | 23,9   | 3,95    | 0,360 | 50              | 725  | 200            | 2900 | 90          |
| TH2TE12 | 3/4"       | 19   | 27,0   | 4,00    | 0,340 | 45              | 653  | 180            | 2610 | 110         |
| TH2TE16 | 1"         | 25,4 | 34,4   | 4,50    | 0,580 | 40              | 580  | 160            | 2320 | 150         |

## TR7 TERMOPLÁSTICA TEXTIL



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Elastómero termoplástico.                                           |
| <b>Refuerzo:</b>          | Trenzado de fibra sintética.                                        |
| <b>Cubierta exterior:</b> | Poliuretano color negro.                                            |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Adecuado para aplicaciones hidráulicas con gran resistencia a la abrasión. Para usar con fluidos a base de petróleo, sintéticos o a base de agua en sistemas hidráulicos. Adecuado para maquinaria agrícola, movimiento de tierras, plumas articuladas y telescópicas y equipos de manipulación de materiales.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| 651003 | 3/16"      | 4,8  | 10,3   | 2,75    | 0,080 | 210             | 3000 | 840            | 12000 | 25          |
| 651004 | 1/4"       | 6,4  | 12,4   | 3,00    | 0,114 | 190             | 2750 | 760            | 11000 | 32          |
| 651005 | 5/16"      | 8,0  | 14,2   | 3,10    | 0,142 | 175             | 2500 | 700            | 10000 | 45          |
| 651006 | 3/8"       | 9,5  | 15,7   | 3,10    | 0,164 | 155             | 2250 | 620            | 9000  | 55          |
| 651008 | 1/2"       | 12,7 | 19,3   | 3,30    | 0,229 | 140             | 2050 | 560            | 8200  | 77          |
| 651010 | 5/8"       | 16,0 | 23,1   | 3,55    | 0,295 | 105             | 1500 | 420            | 6000  | 110         |
| 651012 | 3/4"       | 19,0 | 26,4   | 3,70    | 0,356 | 90              | 130  | 360            | 5200  | 140         |
| 651016 | 1"         | 25,4 | 33,3   | 3,95    | 0,504 | 70              | 1000 | 280            | 4000  | 200         |

## TR7P TERMOPLÁSTICA TEXTIL PARALELA



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Elastómero termoplástico.                                           |
| <b>Refuerzo:</b>          | Trenzado de fibra sintética.                                        |
| <b>Cubierta exterior:</b> | Poliuretano color negro.                                            |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Adecuado para aplicaciones hidráulicas con gran resistencia a la abrasión. Para usar con fluidos a base de petróleo, sintéticos o a base de agua en sistemas hidráulicos. Adecuado para maquinaria agrícola, movimiento de tierras, plumas articuladas y telescópicas y equipos de manipulación de materiales.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| 652003 | 3/16"      | 4,8  | 10,3   | 2,75    | 0,160 | 210             | 3000 | 840            | 12000 | 25          |
| 652004 | 1/4"       | 6,4  | 12,4   | 3,00    | 0,228 | 190             | 2750 | 760            | 11000 | 32          |
| 652005 | 5/16"      | 8,0  | 14,2   | 3,10    | 0,284 | 175             | 2500 | 700            | 10000 | 45          |
| 652006 | 3/8"       | 9,5  | 15,7   | 3,10    | 0,328 | 155             | 2250 | 620            | 9000  | 55          |
| 652008 | 1/2"       | 12,7 | 19,3   | 3,30    | 0,458 | 140             | 2050 | 560            | 8200  | 77          |
| 652010 | 5/8"       | 16,0 | 23,1   | 3,55    | 0,590 | 105             | 1500 | 420            | 6000  | 110         |
| 652012 | 3/4"       | 19,0 | 26,4   | 3,70    | 0,712 | 90              | 130  | 360            | 5200  | 140         |
| 652016 | 1"         | 25,4 | 33,3   | 3,95    | 1,008 | 70              | 1000 | 280            | 4000  | 200         |

## TR8 TERMOPLÁSTICA METALICA



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Poliamida                                                           |
| <b>Refuerzo:</b>          | 1 trenzado de acero.                                                |
| <b>Cubierta exterior:</b> | Poliuretano color negro.                                            |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Adecuado para aplicaciones que requieren resistencia química a disolventes y fluidos agresivos debido al bajo valor de permeabilidad de la poliamida, la manguera también es adecuada para gases industriales.

Para sistemas de pulverización de pintura sin aire de alta presión de 100 a 350 bar.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| 653003 | 3/16"      | 4,8  | 9,7    | 2,45    | 0,138 | 350             | 5000 | 1400           | 20000 | 30          |
| 653004 | 1/4"       | 6,4  | 11,7   | 2,65    | 0,180 | 320             | 4650 | 1280           | 18600 | 40          |
| 653005 | 5/16"      | 8,0  | 13,6   | 2,80    | 0,220 | 275             | 4000 | 100            | 16000 | 50          |
| 653006 | 3/8"       | 9,5  | 15,2   | 2,85    | 0,257 | 250             | 3600 | 1000           | 14400 | 60          |
| 653008 | 1/2"       | 12,7 | 18,4   | 2,85    | 0,337 | 190             | 2750 | 760            | 11000 | 75          |
| 653010 | 5/8"       | 16,0 | 22,2   | 3,10    | 0,450 | 160             | 2300 | 640            | 9200  | 110         |
| 653012 | 3/4"       | 19,0 | 25,7   | 3,35    | 0,531 | 120             | 1750 | 480            | 7000  | 150         |
| 653016 | 1"         | 25,4 | 32,4   | 3,50    | 0,660 | 100             | 1450 | 400            | 5800  | 230         |

## TR8P TERMOPLÁSTICA METALICA PARALELA



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Poliamida                                                           |
| <b>Refuerzo:</b>          | 1 trenzado de acero.                                                |
| <b>Cubierta exterior:</b> | Poliuretano color negro.                                            |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Adecuado para aplicaciones que requieren resistencia química a disolventes y fluidos agresivos debido al bajo valor de permeabilidad de la poliamida, la manguera también es adecuada para gases industriales.

Para sistemas de pulverización de pintura sin aire de alta presión de 100 a 350 bar.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| 654003 | 3/16"      | 4,8  | 9,7    | 2,45    | 0,276 | 350             | 5000 | 1400           | 20000 | 30          |
| 654004 | 1/4"       | 6,4  | 11,7   | 2,65    | 0,360 | 320             | 4650 | 1280           | 18600 | 40          |
| 654005 | 5/16"      | 8,0  | 13,6   | 2,80    | 0,440 | 275             | 4000 | 100            | 16000 | 50          |
| 654006 | 3/8"       | 9,5  | 15,2   | 2,85    | 0,514 | 250             | 3600 | 1000           | 14400 | 60          |
| 654008 | 1/2"       | 12,7 | 18,4   | 2,85    | 0,674 | 190             | 2750 | 760            | 11000 | 75          |
| 654010 | 5/8"       | 16,0 | 22,2   | 3,10    | 0,900 | 160             | 2300 | 640            | 9200  | 110         |
| 654012 | 3/4"       | 19,0 | 25,7   | 3,35    | 1,062 | 120             | 1750 | 480            | 7000  | 150         |
| 654016 | 1"         | 25,4 | 32,4   | 3,50    | 1,320 | 100             | 1450 | 400            | 5800  | 230         |



## TR8R TERMOPLÁSTICA DOBLE MALLA METALICA



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Poliamida                                                           |
| <b>Refuerzo:</b>          | Doble trenzado de acero.                                            |
| <b>Cubierta exterior:</b> | Poliuretano color negro.                                            |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Adecuado para aplicaciones que requieren resistencia química a disolventes y fluidos agresivos debido al bajo valor de permeabilidad de la poliamida, la manguera también es adecuada para gases industriales.

Para sistemas de pulverización de pintura sin aire de alta presión de 150 a 450 bar.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| 655004 | 1/4"       | 6,4  | 13,7   | 3,65    | 0,336 | 450             | 6500 | 1800           | 26000 | 100         |
| 655005 | 5/16"      | 8,0  | 15,2   | 3,60    | 0,388 | 400             | 5800 | 1600           | 23200 | 110         |
| 655006 | 3/8"       | 9,5  | 17,5   | 4,00    | 0,483 | 380             | 5500 | 1520           | 22000 | 127         |
| 655008 | 1/2"       | 12,7 | 21,1   | 4,20    | 0,605 | 300             | 4350 | 1200           | 17400 | 178         |
| 655010 | 5/8"       | 16,0 | 24,8   | 4,40    | 0,803 | 210             | 3000 | 840            | 12000 | 203         |
| 655012 | 3/4"       | 19,0 | 28,6   | 4,80    | 0,922 | 160             | 2300 | 640            | 9200  | 250         |
| 655016 | 1"         | 25,4 | 34,5   | 4,55    | 1,092 | 150             | 2175 | 600            | 8700  | 305         |

## TR8RP TERMOPLÁSTICA DOBLE MALLA METALICA PARALELA



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Poliamida                                                           |
| <b>Refuerzo:</b>          | Doble trenzado de acero.                                            |
| <b>Cubierta exterior:</b> | Poliuretano color negro.                                            |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Adecuado para aplicaciones que requieren resistencia química a disolventes y fluidos agresivos debido al bajo valor de permeabilidad de la poliamida, la manguera también es adecuada para gases industriales.

Para sistemas de pulverización de pintura sin aire de alta presión de 150 a 450 bar.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| 656004 | 1/4"       | 6,4  | 13,7   | 3,65    | 0,672 | 450             | 6500 | 1800           | 26000 | 100         |
| 656005 | 5/16"      | 8,0  | 15,2   | 3,60    | 0,776 | 400             | 5800 | 1600           | 23200 | 110         |
| 656006 | 3/8"       | 9,5  | 17,5   | 4,00    | 0,966 | 380             | 5500 | 1520           | 22000 | 127         |
| 656008 | 1/2"       | 12,7 | 21,1   | 4,20    | 1,210 | 300             | 4350 | 1200           | 17400 | 178         |
| 656010 | 5/8"       | 16,0 | 24,8   | 4,40    | 1,606 | 210             | 3000 | 840            | 12000 | 203         |
| 656012 | 3/4"       | 19,0 | 28,6   | 4,80    | 1,844 | 160             | 2300 | 640            | 9200  | 250         |
| 656016 | 1"         | 25,4 | 34,5   | 4,55    | 2,184 | 150             | 2175 | 600            | 8700  | 305         |

## TR8R-700 TERMOPLÁSTICA ALTA PRESIÓN



|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Elastómero termoplástico.                                           |
| <b>Refuerzo:</b>          | Doble trenzado de acero.                                            |
| <b>Cubierta exterior:</b> | Poliuretano color rojo.                                             |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Compacta, de alta presión, peso ligero y alta resistencia a la abrasión. Para utilizar con petróleo, agua sintética o fluidos a base de agua en sistemas hidráulicos utilizados principalmente para rescate, equipos de seguridad, herramientas de tensado de pernos y equipos de elevación.

| Código        | Ø Interior |     | Ø Ext. | Espesor | Peso  | Presión Trabajo |       | Presión Rotura |       | Radio curva |
|---------------|------------|-----|--------|---------|-------|-----------------|-------|----------------|-------|-------------|
|               | inch       | mm  | mm     | mm      | kg/m  | bar             | PSI   | bar            | PSI   | mm          |
| <b>657004</b> | 1/4"       | 6,4 | 14,1   | 3,85    | 0,356 | 700             | 10000 | 1750           | 25000 | 100         |
| <b>657006</b> | 3/8"       | 9,5 | 17,5   | 4,00    | 0,513 | 700             | 10000 | 1500           | 21750 | 150         |

## TR7CW TERMOPLÁSTICA CARWASH PU

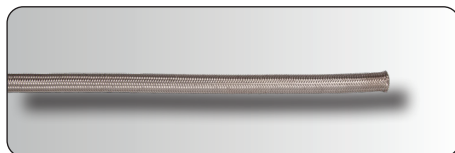


|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Tubo interior:</b>     | Elastómero termoplástico.                                           |
| <b>Refuerzo:</b>          | Trenzado de fibra sintética.                                        |
| <b>Cubierta exterior:</b> | Poliuretano transparente azul o amarillo.                           |
| <b>Temperatura:</b>       | -40°C a +100°C. No exceder +70°C para fluidos a base de aire y agua |

Sistemas de lavado con agua caliente a presión donde se precisa una manguera ligera, resistente a detergentes y abrasión. Adecuada para boxes de lavado e hidrolimpiadoras.

| Código          | Ø Interior |     | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|-----------------|------------|-----|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|                 | inch       | mm  | mm     | mm      | kg/m  | bar             | PSI  | bar            | PSI   | mm          |
| <b>658004</b> ● | 1/4"       | 6,4 | 12,0   | 2,8     | 0,090 | 200             | 2900 | 800            | 11600 | 32          |
| <b>658005</b> ● | 1/4"       | 6,4 | 12,0   | 2,8     | 0,090 | 200             | 2900 | 800            | 11600 | 32          |

## TR27 PTFE LISO

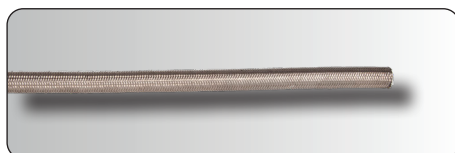


|                           |                                                   |
|---------------------------|---------------------------------------------------|
| <b>Tubo interior:</b>     | Tubo sinterizado de politetrafluoretileno (PTFE). |
| <b>Refuerzo:</b>          | Sin refuerzo.                                     |
| <b>Cubierta exterior:</b> | Trenzado de acero inoxidable 304.                 |
| <b>Temperatura:</b>       | -50°C a +260°C                                    |

La manguera PTFE tiene excelentes características de temperatura tanto en alta como baja temperatura, excelente resistencia química, propiedades de no contaminación, bajo coeficiente de fricción y resistencia al deterioro. Se usa generalmente en aplicaciones cuyas características requieren de las propiedades anteriores.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   |        |         |       | bar             | PSI  | bar            | PSI   |             |
| 701002 | 1/8"       | 3,3  | 6,4    | 1,55    | 0,065 | 225             | 3260 | 900            | 12040 | 40          |
| 701003 | 3/16"      | 4,8  | 7,6    | 1,40    | 0,084 | 210             | 3000 | 840            | 12000 | 50          |
| 701004 | 1/4"       | 6,4  | 9,7    | 1,65    | 0,121 | 210             | 3000 | 840            | 12000 | 75          |
| 701005 | 5/16"      | 8,0  | 11,2   | 1,60    | 0,163 | 175             | 2500 | 700            | 10000 | 100         |
| 701006 | 3/8"       | 9,6  | 12,6   | 1,50    | 0,170 | 165             | 2400 | 660            | 9600  | 125         |
| 701008 | 1/2"       | 12,8 | 16,5   | 1,85    | 0,234 | 120             | 1750 | 480            | 7000  | 165         |
| 701010 | 5/8"       | 16,0 | 19,8   | 1,90    | 0,318 | 88              | 1270 | 352            | 5080  | 200         |
| 701012 | 3/4"       | 19,1 | 22,9   | 1,90    | 0,395 | 75              | 1100 | 300            | 4400  | 230         |
| 701016 | 1"         | 25,5 | 29,5   | 2,00    | 0,528 | 62              | 900  | 248            | 3600  | 300         |

## TR27R PTFE DOBLE TRENZADO

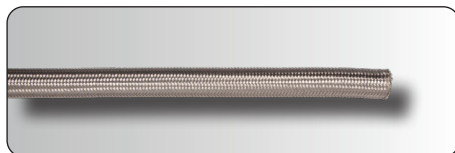


|                           |                                                   |
|---------------------------|---------------------------------------------------|
| <b>Tubo interior:</b>     | Tubo sinterizado de politetrafluoretileno (PTFE). |
| <b>Refuerzo:</b>          | Sin refuerzo.                                     |
| <b>Cubierta exterior:</b> | Doble trenzado de acero inoxidable 304.           |
| <b>Temperatura:</b>       | -50°C a +260°C                                    |

La manguera PTFE tiene excelentes características de temperatura tanto en alta como baja temperatura, excelente resistencia química, propiedades de no contaminación, bajo coeficiente de fricción y resistencia al deterioro.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |       | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|-------|-------------|
|        | inch       | mm   |        |         |       | bar             | PSI  | bar            | PSI   |             |
| 702004 | 1/4"       | 6,4  | 10,4   | 2,00    | 0,225 | 250             | 3600 | 1000           | 14400 | 95          |
| 702005 | 5/16"      | 8,0  | 13,0   | 2,50    | 0,287 | 245             | 3500 | 980            | 14000 | 125         |
| 702006 | 3/8"       | 9,5  | 14,4   | 2,45    | 0,336 | 230             | 3330 | 920            | 13320 | 160         |
| 702008 | 1/2"       | 12,7 | 17,8   | 2,55    | 0,444 | 160             | 2300 | 640            | 9200  | 210         |
| 702010 | 5/8"       | 16,0 | 21,7   | 2,85    | 0,583 | 110             | 1600 | 440            | 6400  | 270         |
| 702012 | 3/4"       | 19,0 | 24,6   | 2,80    | 0,742 | 95              | 1380 | 380            | 5520  | 300         |
| 702016 | 1"         | 25,4 | 31,0   | 2,80    | 0,920 | 75              | 1080 | 300            | 4320  | 420         |

# TR28 PTFE CORRUGADO

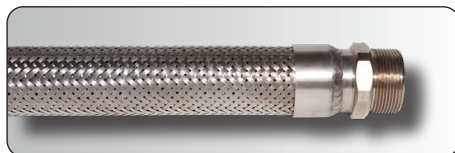


**Tubo interior:** Tubo sinterizado helicoidalmente de politetrafluoroetileno (PTFE).  
**Refuerzo:** Sin refuerzo.  
**Cubierta exterior:** Trenzado de acero inoxidable 304.  
**Temperatura:** -50°C a +260°C

Excelente comportamiento tanto en alta como baja temperatura, a la resistencia química, propiedades de no contaminación, bajo coeficiente de fricción y resistencia al deterioro.

| Código | Ø Interior |      | Ø Ext. | Espesor | Peso  | Presión Trabajo |      | Presión Rotura |      | Radio curva |
|--------|------------|------|--------|---------|-------|-----------------|------|----------------|------|-------------|
|        | inch       | mm   |        |         |       | bar             | PSI  | bar            | PSI  |             |
| 703006 | 3/8"       | 9,6  | 13,7   | 2,05    | 0,182 | 150             | 2200 | 600            | 8800 | 20          |
| 703008 | 1/2"       | 12,8 | 18,4   | 2,80    | 0,289 | 135             | 1960 | 540            | 7840 | 25          |
| 703010 | 5/8"       | 16,0 | 21,0   | 2,50    | 0,349 | 100             | 1450 | 400            | 5800 | 50          |
| 703012 | 3/4"       | 19,1 | 25,9   | 3,40    | 0,494 | 80              | 1160 | 320            | 4640 | 65          |
| 703016 | 1"         | 25,5 | 33,8   | 4,15    | 0,677 | 55              | 800  | 220            | 3200 | 90          |
| 703020 | 1.1/4"     | 31,8 | 42,7   | 5,45    | 0,891 | 45              | 665  | 180            | 2660 | 110         |
| 703024 | 1.1/2"     | 38,2 | 48,0   | 4,90    | 0,959 | 35              | 510  | 140            | 2040 | 150         |
| 703032 | 2"         | 50,9 | 61,5   | 5,30    | 1,309 | 25              | 365  | 100            | 1460 | 200         |

# T-INOX TUBO FLEXIBLE INOXIDABLE



|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Tubo interior:</b>     | Acero inoxidable corrugado AISI 316. |
| <b>Refuerzo:</b>          | Sin refuerzo.                        |
| <b>Cubierta exterior:</b> | Acero trenzado inoxidable AISI 304.  |
| <b>Temperatura:</b>       | -270°C a +700°C                      |

Este tipo de mangueras son la mejor solución para el flujo de cualquier tipo de líquidos y gases en altas y bajas temperaturas. Alta fuerza física y excelente resistencia a la corrosión. Se suele utilizar en equipos con alta frecuencia de vibración y movimiento de baja amplitud como son bombas y compresores.

| Código  | Ø Interior |       | Ø Ext.<br>mm | Peso<br>kg/m | Presión Trabajo |       | Presión Rotura |      | Radio curva<br>mm | Long Rollo<br>m/rollo |
|---------|------------|-------|--------------|--------------|-----------------|-------|----------------|------|-------------------|-----------------------|
|         | inch       | mm    |              |              | bar             | PSI   | bar            | PSI  |                   |                       |
| 6010006 | 1/4"       | 6,2   | 10,8         | 0,150        | 120             | 1800  | 480            | 7200 | 25                | 50                    |
| 6010008 | 5/16"      | 8,2   | 13,3         | 0,167        | 100             | 1500  | 400            | 6000 | 32                | 50                    |
| 6010010 | 3/8"       | 10,3  | 15,5         | 0,215        | 90              | 1350  | 360            | 5400 | 38                | 50                    |
| 6010012 | 1/2"       | 12,2  | 17,9         | 0,240        | 80              | 1200  | 320            | 4800 | 45                | 50                    |
| 6010016 | 5/8"       | 16,2  | 23,0         | 0,400        | 70              | 1050  | 280            | 4200 | 58                | 50                    |
| 6010019 | 3/4"       | 20,2  | 28,3         | 0,495        | 64              | 960   | 256            | 3840 | 70                | 50                    |
| 6010025 | 1"         | 25,4  | 33,7         | 0,630        | 50              | 750   | 200            | 3000 | 85                | 50                    |
| 6010032 | 1.1/4"     | 34,3  | 42,7         | 0,847        | 40              | 600   | 160            | 2400 | 105               | 50                    |
| 6010038 | 1.1/2"     | 40,1  | 51,1         | 1,172        | 35              | 525   | 140            | 2100 | 130               | 50                    |
| 6010050 | 2"         | 50,3  | 62,3         | 1,606        | 30              | 450   | 120            | 1800 | 160               | 50                    |
| 6010063 | 2.1/2"     | 65,6  | 83,0         | 1,984        | 24              | 360   | 96             | 1440 | 180               | 25                    |
| 6010080 | 3"         | 80,3  | 97,0         | 2,154        | 18              | 270   | 72             | 1080 | 200               | 25                    |
| 6010100 | 4"         | 100,8 | 119,0        | 3,001        | 16              | 240   | 64             | 960  | 290               | 25                    |
| 6010125 | 5"         | 125,4 | 152,5        | 4,887        | 14              | 210   | 56             | 840  | 325               | 10                    |
| 6010150 | 6"         | 150,8 | 177,5        | 5,705        | 10              | 150   | 40             | 600  | 380               | 10                    |
| 6010200 | 8"         | 197,0 | 228,0        | 9,150        | 8               | 120   | 32             | 480  | 500               | 10                    |
| 6010250 | 10"        | 250,4 | 281,5        | 13,750       | 7,5             | 112,5 | 30             | 450  | 620               | 10                    |
| 6010300 | 12"        | 300,2 | 339,5        | 18,200       | 6               | 90    | 24             | 360  | 725               | 10                    |

# TMF-Z TUBO METALICO FLEXIBLE ACERO ZINCADO



**Material:** Tubo doble engatillado acero zincado.

**Temperatura:** -270°C a +250°C

Este tipo de mangueras son la mejor solución para el flujo de cualquier tipo de líquidos y gases en altas y bajas temperaturas. Alta fuerza física y excelente resistencia a la corrosión. Se suele utilizar en equipos con alta frecuencia de vibración y movimiento de baja amplitud como son bombas y compresores.

| Código  | Ø Int.<br>mm | Ø Ext.<br>mm | Espesor<br>mm | Peso<br>kg/m | Radio<br>curva<br>mm | Long<br>Rollo<br>m/rollo |
|---------|--------------|--------------|---------------|--------------|----------------------|--------------------------|
| 6310032 | 32           | 35           | 1,50          | 0,800        | 135                  | 10                       |
| 6310040 | 40           | 43,5         | 1,75          | 0,900        | 165                  | 10                       |
| 6310045 | 45           | 48,5         | 1,75          | 1,000        | 170                  | 10                       |
| 6310050 | 50           | 53,5         | 1,75          | 1,150        | 170                  | 10                       |
| 6310055 | 55           | 59,5         | 2,25          | 1,350        | 195                  | 10                       |
| 6310060 | 60           | 64           | 2,00          | 1,380        | 235                  | 10                       |
| 6310065 | 65           | 69           | 2,00          | 1,450        | 245                  | 10                       |
| 6310070 | 70           | 74           | 2,00          | 1,650        | 255                  | 10                       |
| 6310075 | 75           | 79           | 2,00          | 1,700        | 265                  | 10                       |
| 6310080 | 80           | 84           | 2,00          | 2,000        | 280                  | 10                       |
| 6310085 | 85           | 89           | 2,00          | 2,100        | 315                  | 10                       |
| 6310090 | 90           | 94,5         | 2,25          | 2,200        | 350                  | 10                       |
| 6310095 | 95           | 100          | 2,50          | 3,100        | 550                  | 10                       |
| 6310100 | 100          | 105          | 2,50          | 3,300        | 555                  | 10                       |
| 6310110 | 110          | 115          | 2,50          | 3,700        | 565                  | 10                       |
| 6310115 | 115          | 120          | 2,50          | 3,750        | 570                  | 10                       |
| 6310120 | 120          | 125          | 2,50          | 3,800        | 575                  | 10                       |
| 6310125 | 125          | 130          | 2,50          | 4,100        | 590                  | 10                       |
| 6310130 | 130          | 135          | 2,50          | 4,380        | 600                  | 10                       |
| 6310140 | 140          | 145          | 2,50          | 4,450        | 620                  | 10                       |
| 6310150 | 150          | 155          | 2,50          | 4,600        | 655                  | 10                       |
| 6310184 | 184          | 191          | 3,50          | 8,500        | 900                  | 10                       |
| 6310190 | 190          | 197          | 3,50          | 8,700        | 950                  | 10                       |
| 6310200 | 200          | 207          | 3,50          | 9,300        | 1050                 | 10                       |
| 6310230 | 230          | 238          | 4,00          | 10,000       | 1200                 | 10                       |
| 6310250 | 250          | 258          | 4,00          | 10,600       | 1450                 | 10                       |



# TMF-I TUBO METALICO FLEXIBLE INOX 304



**Material:** Tubo doble engatillado inox 304.

**Temperatura:** -270°C a +450°C

Este tipo de mangueras son la mejor solución para el flujo de cualquier tipo de líquidos y gases en altas y bajas temperaturas. Alta fuerza física y excelente resistencia a la corrosión. Se suele utilizar en equipos con alta frecuencia de vibración y movimiento de baja amplitud como son bombas y compresores.

| Código  | Ø Int.<br>mm | Ø Ext.<br>mm | Espesor<br>mm | Peso<br>kg/m | Radio<br>curva<br>mm | Long<br>Rollo<br>m/rollo |
|---------|--------------|--------------|---------------|--------------|----------------------|--------------------------|
| 6320032 | 32           | 35           | 1,50          | 0,800        | 135                  | 10                       |
| 6320040 | 40           | 43,5         | 1,75          | 0,900        | 165                  | 10                       |
| 6320045 | 45           | 48,5         | 1,75          | 1,000        | 170                  | 10                       |
| 6320050 | 50           | 53,5         | 1,75          | 1,150        | 170                  | 10                       |
| 6320055 | 55           | 59,5         | 2,25          | 1,350        | 195                  | 10                       |
| 6320060 | 60           | 64           | 2,00          | 1,380        | 235                  | 10                       |
| 6320065 | 65           | 69           | 2,00          | 1,450        | 245                  | 10                       |
| 6320070 | 70           | 74           | 2,00          | 1,650        | 255                  | 10                       |
| 6320075 | 75           | 79           | 2,00          | 1,700        | 265                  | 10                       |
| 6320080 | 80           | 84           | 2,00          | 2,000        | 280                  | 10                       |
| 6320085 | 85           | 89           | 2,00          | 2,100        | 315                  | 10                       |
| 6320090 | 90           | 94,5         | 2,25          | 2,200        | 350                  | 10                       |
| 6320095 | 95           | 100          | 2,50          | 3,100        | 550                  | 10                       |
| 6320100 | 100          | 105          | 2,50          | 3,300        | 555                  | 10                       |
| 6320110 | 110          | 115          | 2,50          | 3,700        | 565                  | 10                       |
| 6320115 | 115          | 120          | 2,50          | 3,750        | 570                  | 10                       |
| 6320120 | 120          | 125          | 2,50          | 3,800        | 575                  | 10                       |
| 6320125 | 125          | 130          | 2,50          | 4,100        | 590                  | 10                       |
| 6320130 | 130          | 135          | 2,50          | 4,380        | 600                  | 10                       |
| 6320140 | 140          | 145          | 2,50          | 4,450        | 620                  | 10                       |
| 6320150 | 150          | 155          | 2,50          | 4,600        | 655                  | 10                       |
| 6320184 | 184          | 191          | 3,50          | 8,500        | 900                  | 10                       |
| 6320190 | 190          | 197          | 3,50          | 8,700        | 950                  | 10                       |
| 6320200 | 200          | 207          | 3,50          | 9,300        | 1050                 | 10                       |
| 6320230 | 230          | 238          | 4,00          | 10,000       | 1200                 | 10                       |
| 6320250 | 250          | 258          | 4,00          | 10,600       | 1450                 | 10                       |

## F-10N FUNDA PVC NEGRA



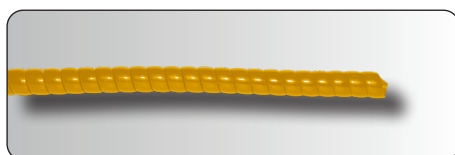
**Material:** PVC rígido negro.

**Temperatura:** -10°C a +70°C

Espiral de PVC rígido para la protección de tuberías hidráulicas y cableado de tubos múltiples. Resistente a la abrasión, al aplastamiento, a los rayos UV, al ozono y es autoextinguible según Normativa UL94 Clase V0.

| Código  | Ø Int.<br>mm | Ø Ext.<br>mm | Espesor<br>mm | Peso<br>kg/m | Long<br>Rollo<br>m/rollo |
|---------|--------------|--------------|---------------|--------------|--------------------------|
| 6210008 | 8            | 12           | 2,00          | 0,050        | 50                       |
| 6210012 | 12           | 16           | 2,00          | 0,060        | 50                       |
| 6210016 | 16           | 20           | 2,00          | 0,080        | 50                       |
| 6210020 | 20           | 25           | 2,50          | 0,120        | 50                       |
| 6210024 | 24           | 29           | 2,50          | 0,190        | 50                       |
| 6210027 | 27           | 32           | 2,50          | 0,220        | 50                       |
| 6210030 | 30           | 35           | 2,50          | 0,250        | 50                       |
| 6210035 | 35           | 40           | 2,50          | 0,330        | 50                       |
| 6210044 | 44           | 50           | 3,00          | 0,480        | 25                       |
| 6210056 | 56           | 63           | 3,50          | 0,800        | 20                       |
| 6210067 | 67           | 75           | 4,00          | 0,880        | 20                       |
| 6210080 | 80           | 90           | 5,00          | 1,390        | 10                       |
| 6210100 | 100          | 110          | 5,00          | 1,900        | 7                        |
| 6210120 | 120          | 130          | 5,00          | 1,780        | 6                        |

## F-10A FUNDA PVC AMARILLA



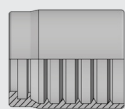
**Material:** PVC rígido amarillo.

**Temperatura:** -10°C a +70°C

Espiral de PVC rígido para la protección de tuberías hidráulicas y cableado de tubos múltiples. Resistente a la abrasión, al aplastamiento, a los rayos UV, al ozono y es autoextinguible según Normativa UL94 Clase V0.

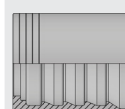
| Código  | Ø Int.<br>mm | Ø Ext.<br>mm | Espesor<br>mm | Peso<br>kg/m | Long<br>Rollo<br>m/rollo |
|---------|--------------|--------------|---------------|--------------|--------------------------|
| 6220008 | 8            | 12           | 2,00          | 0,050        | 50                       |
| 6220012 | 12           | 16           | 2,00          | 0,060        | 50                       |
| 6220016 | 16           | 20           | 2,00          | 0,080        | 50                       |
| 6220020 | 20           | 25           | 2,50          | 0,120        | 50                       |
| 6220024 | 24           | 29           | 2,50          | 0,190        | 50                       |
| 6220027 | 27           | 32           | 2,50          | 0,220        | 50                       |
| 6220030 | 30           | 35           | 2,50          | 0,250        | 50                       |
| 6220035 | 35           | 40           | 2,50          | 0,330        | 50                       |
| 6220044 | 44           | 50           | 3,00          | 0,480        | 25                       |
| 6220056 | 56           | 63           | 3,50          | 0,800        | 20                       |
| 6220067 | 67           | 75           | 4,00          | 0,880        | 20                       |
| 6220080 | 80           | 90           | 5,00          | 1,390        | 10                       |
| 6220100 | 100          | 110          | 5,00          | 1,900        | 7                        |
| 6220120 | 120          | 130          | 5,00          | 2,500        | 6                        |

# CASQUILLOS

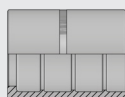


CASQUILLO PARA 1SN/2SN/2SC

| CÓDIGO  | Ø INCH | Ø MM | Ud/Caja | CÓDIGO INOX |
|---------|--------|------|---------|-------------|
| B12T03N | 3/16"  | 5    | 250     | X-B12T03N   |
| B12T04N | 1/4"   | 6    | 150     | X-B12T04N   |
| B12T05N | 5/16"  | 8    | 150     | X-B12T05N   |
| B12T06N | 3/8"   | 10   | 250     | X-B12T06N   |
| B12T08N | 1/2"   | 12   | 200     | X-B12T08N   |
| B12T10N | 5/8"   | 16   | 150     | X-B12T10N   |
| B12T12N | 3/4"   | 20   | 100     | X-B12T12N   |
| B12T16N | 1"     | 25   | 50      | X-B12T16N   |
| B12T20N | 1.1/4" | 32   | 25      | X-B12T20N   |
| B12T24N | 1.1/2" | 40   | 20      | X-B12T24N   |
| B12T32N | 2"     | 50   | 10      | X-B12T32N   |

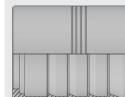
CASQUILLO PARA R9R-4SP  
(PELADO EXTERIOR)

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja | CÓDIGO INOX |
|--------|--------|------|---------|-------------|
| B9R04  | 1/4"   | 6    | 150     | X-B9R04     |
| B9R06  | 3/8"   | 10   | 100     | X-B9R06     |
| B9R08  | 1/2"   | 12   | 200     | X-B9R08     |
| B9R10  | 5/8"   | 16   | 120     | X-B9R10     |
| B9R12  | 3/4"   | 20   | 75      | X-B9R12     |
| B9R16  | 1"     | 25   | 40      | X-B9R16     |
| B9R20  | 1.1/4" | 32   | 25      | X-B9R20     |
| B9R24  | 1.1/2" | 40   | 20      | X-B9R24     |
| B9R32  | 2"     | 50   | 10      | X-B9R32     |

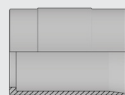


CASQUILLO PARA R7/MTH1/R6

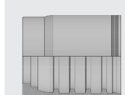
| CÓDIGO | Ø INCH | Ø MM | Ud/Caja | CÓDIGO INOX |
|--------|--------|------|---------|-------------|
| B7R03  | 3/16"  | 5    | 400     | X-B7R03     |
| B7R04  | 1/4"   | 6    | 250     | X-B7R04     |
| B7R05  | 5/16"  | 8    | 200     | X-B7R05     |
| B7R06  | 3/8"   | 10   | 400     | X-B7R06     |
| B7R08  | 1/2"   | 12   | 250     | X-B7R08     |
| B7R10  | 5/8"   | 16   | 200     | X-B7R10     |
| B7R12  | 3/4"   | 20   | 130     | X-B7R12     |
| B7R16  | 1"     | 25   | 70      | X-B7R16     |

CASQUILLO PARA 4SH  
(PELADO EXTERIOR)

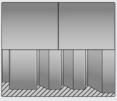
| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B4SH20 | 1.1/4" | 32   | 30      |
| B4SH24 | 1.1/2" | 40   | 20      |
| B4SH32 | 2"     | 50   | 10      |

CASQUILLO PARA  
PTFE CORRUGADO

| CÓDIGO   | Ø INCH | Ø MM | Ud/Caja | CÓDIGO INOX |
|----------|--------|------|---------|-------------|
| BPTFEC04 | 1/4"   | 6    | 250     | X-BPTFEC04  |
| BPTFEC06 | 3/8"   | 10   | 200     | X-BPTFEC06  |
| BPTFEC08 | 1/2"   | 12   | 250     | X-BPTFEC08  |
| BPTFEC10 | 5/8"   | 16   | 200     | X-BPTFEC10  |
| BPTFEC12 | 3/4"   | 20   | 150     | X-BPTFEC12  |
| BPTFEC16 | 1"     | 25   | 35      | X-BPTFEC16  |
| BPTFEC20 | 1.1/4" | 32   | 50      | X-BPTFEC20  |
| BPTFEC24 | 1.1/2" | 40   | 20      | X-BPTFEC24  |
| BPTFEC32 | 2"     | 50   | 10      | X-BPTFEC32  |

CASQUILLO 4 MALLAS  
SIN PELAR

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B5K06  | 3/8"   | 10   | 100     |
| B5K08  | 1/2"   | 12   | 100     |
| B5K10  | 5/8"   | 16   | 90      |
| B5K12  | 3/4"   | 20   | 70      |
| B5K16  | 1"     | 25   | 40      |
| B5K204 | 1.1/4" | 32   | 10      |



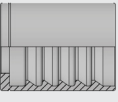
**CASQUILLO PARA 1ST/R1A**

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B1R03  | 3/16"  | 5    | 300     |
| B1R04  | 1/4"   | 6    | 200     |
| B1R05  | 5/16"  | 8    | 150     |
| B1R06  | 3/8"   | 10   | 120     |
| B1R08  | 1/2"   | 12   | 200     |
| B1R10  | 5/8"   | 16   | 150     |
| B1R12  | 3/4"   | 20   | 100     |
| B1R16  | 1"     | 25   | 60      |
| B1R20  | 1.1/4" | 32   | 35      |
| B1R24  | 1.1/2" | 40   | 30      |
| B1R32  | 2"     | 50   | 16      |



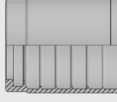
**CASQUILLO PARA 2ST/R2A**

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B2R03  | 3/16"  | 5    | 200     |
| B2R04  | 1/4"   | 6    | 150     |
| B2R05  | 5/16"  | 8    | 150     |
| B2R06  | 3/8"   | 10   | 250     |
| B2R08  | 1/2"   | 12   | 200     |
| B2R10  | 5/8"   | 16   | 130     |
| B2R12  | 3/4"   | 20   | 90      |
| B2R16  | 1"     | 25   | 50      |
| B2R20  | 1.1/4" | 32   | 30      |
| B2R24  | 1.1/2" | 40   | 25      |
| B2R32  | 2"     | 50   | 10      |



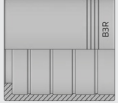
**CASQUILLO PARA 1SN/R1AT**

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B1T03  | 3/16"  | 5    | 250     |
| B1T04  | 1/4"   | 6    | 200     |
| B1T05  | 5/16"  | 8    | 150     |
| B1T06  | 3/8"   | 10   | 300     |
| B1T08  | 1/2"   | 12   | 200     |
| B1T10  | 5/8"   | 16   | 150     |
| B1T12  | 3/4"   | 20   | 100     |
| B1T16  | 1"     | 25   | 60      |
| B1T20  | 1.1/4" | 32   | 30      |
| B1T24  | 1.1/2" | 40   | 25      |



**CASQUILLO PARA 1SC/1SN/2SC**

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B1SC04 | 1/4"   | 6    | 200     |
| B1SC05 | 5/16"  | 8    | 150     |
| B1SC06 | 3/8"   | 10   | 300     |
| B1SC08 | 1/2"   | 12   | 200     |
| B1SC10 | 5/8"   | 16   | 160     |
| B1SC12 | 3/4"   | 20   | 100     |
| B1SC16 | 1"     | 25   | 50      |



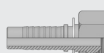
**CASQUILLO PARA 2TE/R6 (BAJA PRESIÓN)**

| CÓDIGO | Ø INCH | Ø MM | Ud/Caja |
|--------|--------|------|---------|
| B3R04  | 1/4"   | 6    | 200     |
| B3R05  | 5/16"  | 8    | 150     |
| B3R06  | 3/8"   | 10   | 100     |
| B3R08  | 1/2"   | 12   | 200     |
| B3R10  | 5/8"   | 16   | 140     |
| B3R12  | 3/4"   | 20   | 90      |
| B3R16  | 1"     | 25   | 50      |
| B3R20  | 1.1/4" | 32   | 35      |



**MACHO FIJO BSPP  
CONO 60°**

| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|--------|--------|---------|---------|-------------|
| MG0302 | 3/16"  | 1/8"    | 100     | X-MG0302    |
| MG0304 | 3/16"  | 1/4"    | 100     | X-MG0304    |
| MG0402 | 1/4"   | 1/8"    | 100     | X-MG0402    |
| MG0404 | 1/4"   | 1/4"    | 250     | X-MG0404    |
| MG0406 | 1/4"   | 3/8"    | 150     | X-MG0406    |
| MG0408 | 1/4"   | 1/2"    | 100     | X-MG0408    |
| MG0504 | 5/16"  | 1/4"    | 50      | X-MG0504    |
| MG0506 | 5/16"  | 3/8"    | 150     | X-MG0506    |
| MG0508 | 5/16"  | 1/2"    | 100     | X-MG0508    |
| MG0604 | 3/8"   | 1/4"    | 50      | X-MG0604    |
| MG0606 | 3/8"   | 3/8"    | 150     | X-MG0606    |
| MG0608 | 3/8"   | 1/2"    | 100     | X-MG0608    |
| MG0806 | 1/2"   | 3/8"    | 50      | X-MG0806    |
| MG0808 | 1/2"   | 1/2"    | 75      | X-MG0808    |
| MG0810 | 1/2"   | 5/8"    | 20      | X-MG0810    |
| MG0812 | 1/2"   | 3/4"    | 50      | X-MG0812    |
| MG1008 | 5/8"   | 1/2"    | 20      | X-MG1008    |
| MG1010 | 5/8"   | 5/8"    | 50      | X-MG1010    |
| MG1012 | 5/8"   | 3/4"    | 20      | X-MG1012    |
| MG1208 | 3/4"   | 1/2"    | 20      | X-MG1208    |
| MG1210 | 3/4"   | 5/8"    | 20      | X-MG1210    |
| MG1212 | 3/4"   | 3/4"    | 100     | X-MG1212    |
| MG1216 | 3/4"   | 1"      | 25      | X-MG1216    |
| MG1612 | 1"     | 3/4"    | 10      | X-MG1612    |
| MG1616 | 1"     | 1"      | 50      | X-MG1616    |
| MG1620 | 1"     | 1.1/4"  | 15      | X-MG1620    |
| MG2020 | 1.1/4" | 1.1/4"  | 10      | X-MG2020    |
| MG2024 | 1.1/4" | 1.1/2"  | 10      | X-MG2024    |
| MG2424 | 1.1/2" | 1.1/2"  | 10      | X-MG2424    |
| MG2432 | 1.1/2" | 2"      | 5       | X-MG2432    |
| MG3232 | 2"     | 2"      | 5       | X-MG3232    |



**HEMBRA GIRATORIA  
RECTA BSPP CONO 60°  
(TUERCA LIBRE)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| FDG0304SF | 3/16"  | 1/4"    | 100     |
| FDG0404SF | 1/4"   | 1/4"    | 100     |
| FDG0406SF | 1/4"   | 3/8"    | 50      |
| FDG0506SF | 5/16"  | 3/8"    | 50      |
| FDG0606SF | 3/8"   | 3/8"    | 50      |
| FDG0608SF | 3/8"   | 1/2"    | 100     |
| FDG0808SF | 1/2"   | 1/2"    | 75      |



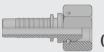
**HEMBRA GIRATORIA A 90°  
BSPP CONO 60°  
(TUERCA LIBRE)**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| F90G0304SF | 3/16"  | 1/4"    | 50      |
| F90G0404SF | 1/4"   | 1/4"    | 50      |
| F90G0406SF | 1/4"   | 3/8"    | 50      |
| F90G0506SF | 5/16"  | 3/8"    | 50      |
| F90G0606SF | 3/8"   | 3/8"    | 50      |
| F90G0608SF | 3/8"   | 1/2"    | 25      |
| F90G0808SF | 1/2"   | 1/2"    | 25      |



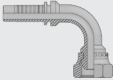
**HEMBRA GIRATORIA  
RECTA BSPP CONO 60°**

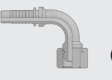
| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|---------|--------|---------|---------|-------------|
| FDG0302 | 3/16"  | 1/8"    | 100     | X-FDG0302   |
| FDG0304 | 3/16"  | 1/4"    | 100     | X-FDG0304   |
| FDG0402 | 1/4"   | 1/8"    | 100     | X-FDG0402   |
| FDG0404 | 1/4"   | 1/4"    | 250     | X-FDG0404   |
| FDG0406 | 1/4"   | 3/8"    | 200     | X-FDG0406   |
| FDG0408 | 1/4"   | 1/2"    | 100     | X-FDG0408   |
| FDG0504 | 5/16"  | 1/4"    | 100     | X-FDG0504   |
| FDG0506 | 5/16"  | 3/8"    | 150     | X-FDG0506   |
| FDG0508 | 5/16"  | 1/2"    | 100     | X-FDG0508   |
| FDG0604 | 3/8"   | 1/4"    | 100     | X-FDG0604   |
| FDG0606 | 3/8"   | 3/8"    | 150     | X-FDG0606   |
| FDG0608 | 3/8"   | 1/2"    | 100     | X-FDG0608   |
| FDG0806 | 1/2"   | 3/8"    | 50      | X-FDG0806   |
| FDG0808 | 1/2"   | 1/2"    | 75      | X-FDG0808   |
| FDG0810 | 1/2"   | 5/8"    | 50      | X-FDG0810   |
| FDG0812 | 1/2"   | 3/4"    | 50      | X-FDG0812   |
| FDG1008 | 5/8"   | 1/2"    | 25      | X-FDG1008   |
| FDG1010 | 5/8"   | 5/8"    | 50      | X-FDG1010   |
| FDG1012 | 5/8"   | 3/4"    | 50      | X-FDG1012   |
| FDG1208 | 3/4"   | 1/2"    | 20      | X-FDG1208   |
| FDG1210 | 3/4"   | 5/8"    | 20      | X-FDG1210   |
| FDG1212 | 3/4"   | 3/4"    | 100     | X-FDG1212   |
| FDG1216 | 3/4"   | 1"      | 25      | X-FDG1216   |
| FDG1612 | 1"     | 3/4"    | 10      | X-FDG1612   |
| FDG1616 | 1"     | 1"      | 50      | X-FDG1616   |
| FDG1620 | 1"     | 1.1/4"  | 10      | X-FDG1620   |
| FDG2020 | 1.1/4" | 1.1/4"  | 10      | X-FDG2020   |
| FDG2024 | 1.1/4" | 1.1/2"  | 10      | X-FDG2024   |
| FDG2424 | 1.1/2" | 1.1/2"  | 10      | X-FDG2424   |



**HEMBRA GIRATORIA  
RECTA BSPP CONO 60°  
(TUERCA CON SEGURO)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| FDG0302SP | 3/16"  | 1/8"    | 50      |
| FDG0304SP | 3/16"  | 1/4"    | 50      |
| FDG0402SP | 1/4"   | 1/8"    | 50      |
| FDG0404SP | 1/4"   | 1/4"    | 50      |
| FDG0406SP | 1/4"   | 3/8"    | 50      |
| FDG0408SP | 1/4"   | 1/2"    | 20      |
| FDG0504SP | 5/16"  | 1/4"    | 20      |
| FDG0506SP | 5/16"  | 3/8"    | 50      |
| FDG0508SP | 5/16"  | 1/2"    | 20      |
| FDG0604SP | 3/8"   | 1/4"    | 20      |
| FDG0606SP | 3/8"   | 3/8"    | 20      |
| FDG0608SP | 3/8"   | 1/2"    | 20      |
| FDG0806SP | 1/2"   | 3/8"    | 20      |
| FDG0808SP | 1/2"   | 1/2"    | 20      |
| FDG0812SP | 1/2"   | 3/4"    | 20      |
| FDG1008SP | 5/8"   | 1/2"    | 50      |
| FDG1012SP | 5/8"   | 3/4"    | 20      |
| FDG1208SP | 3/4"   | 1/2"    | 20      |
| FDG1212SP | 3/4"   | 3/4"    | 40      |
| FDG1612SP | 1"     | 3/4"    | 10      |
| FDG1616SP | 1"     | 1"      | 20      |
| FDG1620SP | 1"     | 1.1/4"  | 10      |
| FDG2020SP | 1.1/4" | 1.1/4"  | 10      |
| FDG2024SP | 1.1/4" | 1.1/2"  | 10      |
| FDG2424SP | 1.1/2" | 1.1/2"  | 10      |
| FDG2432SP | 1.1/2" | 2"      | 5       |
| FDG3232SP | 2"     | 2"      | 5       |

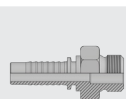
|  <b>HEMBRA GIRATORIA<br/>A 90° BSPP - CONO 60°</b> |        |         |         |             |
|-------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|-------------|
| CÓDIGO                                                                                                                              | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
| F90G0302                                                                                                                            | 3/16"  | 1/8"    | 50      | X-F90G0302  |
| F90G0304                                                                                                                            | 3/16"  | 1/4"    | 50      | X-F90G0304  |
| F90G0402                                                                                                                            | 1/4"   | 1/8"    | 50      | X-F90G0402  |
| F90G0404                                                                                                                            | 1/4"   | 1/4"    | 150     | X-F90G0404  |
| F90G0406                                                                                                                            | 1/4"   | 3/8"    | 100     | X-F90G0406  |
| F90G0408                                                                                                                            | 1/4"   | 1/2"    | 25      | X-F90G0408  |
| F90G0504                                                                                                                            | 5/16"  | 1/4"    | 50      | X-F90G0504  |
| F90G0506                                                                                                                            | 5/16"  | 3/8"    | 100     | X-F90G0506  |
| F90G0508                                                                                                                            | 5/16"  | 1/2"    | 25      | X-F90G0508  |
| F90G0604                                                                                                                            | 3/8"   | 1/4"    | 25      | X-F90G0604  |
| F90G0606                                                                                                                            | 3/8"   | 3/8"    | 200     | X-F90G0606  |
| F90G0608                                                                                                                            | 3/8"   | 1/2"    | 50      | X-F90G0608  |
| F90G0806                                                                                                                            | 1/2"   | 3/8"    | 50      | X-F90G0806  |
| F90G0808                                                                                                                            | 1/2"   | 1/2"    | 100     | X-F90G0808  |
| F90G0810                                                                                                                            | 1/2"   | 5/8"    | 25      | X-F90G0810  |
| F90G0812                                                                                                                            | 1/2"   | 3/4"    | 25      | X-F90G0812  |
| F90G1008                                                                                                                            | 5/8"   | 1/2"    | 10      | X-F90G1008  |
| F90G1010                                                                                                                            | 5/8"   | 5/8"    | 25      | X-F90G1010  |
| F90G1012                                                                                                                            | 5/8"   | 3/4"    | 25      | X-F90G1012  |
| F90G1208                                                                                                                            | 3/4"   | 1/2"    | 10      | X-F90G1208  |
| F90G1210                                                                                                                            | 3/4"   | 5/8"    | 10      | X-F90G1210  |
| F90G1212                                                                                                                            | 3/4"   | 3/4"    | 50      | X-F90G1212  |
| F90G1216                                                                                                                            | 3/4"   | 1"      | 15      | X-F90G1216  |
| F90G1612                                                                                                                            | 1"     | 3/4"    | 10      | X-F90G1612  |
| F90G1616                                                                                                                            | 1"     | 1"      | 25      | X-F90G1616  |
| F90G1620                                                                                                                            | 1"     | 1.1/4"  | 5       | X-F90G1620  |
| F90G2020                                                                                                                            | 1.1/4" | 1.1/4"  | 10      | X-F90G2020  |
| F90G2024                                                                                                                            | 1.1/4" | 1.1/2"  | 5       | X-F90G2024  |
| F90G2424                                                                                                                            | 1.1/2" | 1.1/2"  | 5       | X-F90G2424  |

|  <b>HEMBRA GIRATORIA<br/>A 90° BSPP - CONO 60°<br/>(TUERCA CON SEGURO)</b> |        |         |         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|--|
| CÓDIGO                                                                                                                                                       | Ø TUBO | Ø ROSCA | Ud/Caja |  |
| F90G0302SP                                                                                                                                                   | 3/16"  | 1/8"    | 50      |  |
| F90G0304SP                                                                                                                                                   | 3/16"  | 1/4"    | 50      |  |
| F90G0402SP                                                                                                                                                   | 1/4"   | 1/8"    | 50      |  |
| F90G0404SP                                                                                                                                                   | 1/4"   | 1/4"    | 50      |  |
| F90G0406SP                                                                                                                                                   | 1/4"   | 3/8"    | 50      |  |
| F90G0408SP                                                                                                                                                   | 1/4"   | 1/2"    | 20      |  |
| F90G0504SP                                                                                                                                                   | 5/16"  | 1/4"    | 20      |  |
| F90G0506SP                                                                                                                                                   | 5/16"  | 3/8"    | 50      |  |
| F90G0508SP                                                                                                                                                   | 5/16"  | 1/2"    | 20      |  |
| F90G0604SP                                                                                                                                                   | 3/8"   | 1/4"    | 20      |  |
| F90G0606SP                                                                                                                                                   | 3/8"   | 3/8"    | 50      |  |
| F90G0608SP                                                                                                                                                   | 3/8"   | 1/2"    | 20      |  |
| F90G0806SP                                                                                                                                                   | 1/2"   | 3/8"    | 20      |  |
| F90G0808SP                                                                                                                                                   | 1/2"   | 1/2"    | 20      |  |
| F90G0812SP                                                                                                                                                   | 1/2"   | 3/4"    | 10      |  |
| F90G1008SP                                                                                                                                                   | 5/8"   | 1/2"    | 10      |  |
| F90G1012SP                                                                                                                                                   | 5/8"   | 3/4"    | 10      |  |
| F90G1208SP                                                                                                                                                   | 3/4"   | 1/2"    | 10      |  |
| F90G1212SP                                                                                                                                                   | 3/4"   | 3/4"    | 20      |  |
| F90G1216SP                                                                                                                                                   | 3/4"   | 1"      | 10      |  |
| F90G1612SP                                                                                                                                                   | 1"     | 3/4"    | 10      |  |
| F90G1616SP                                                                                                                                                   | 1"     | 1"      | 25      |  |
| F90G1620SP                                                                                                                                                   | 1"     | 1.1/4"  | 5       |  |
| F90G2020SP                                                                                                                                                   | 1.1/4" | 1.1/4"  | 10      |  |
| F90G2024SP                                                                                                                                                   | 1.1/4" | 1.1/2"  | 5       |  |
| F90G2424SP                                                                                                                                                   | 1.1/2" | 1.1/2"  | 5       |  |
| F90G3232SP                                                                                                                                                   | 2"     | 2"      | 3       |  |

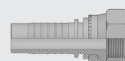
|  <b>HEMBRA GIRATORIA<br/>A 45° BSPP - CONO 60°</b> |        |         |         |             |
|---------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|-------------|
| CÓDIGO                                                                                                                                | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
| F45G0302                                                                                                                              | 3/16"  | 1/8"    | 50      | X-F45G0302  |
| F45G0304                                                                                                                              | 3/16"  | 1/4"    | 50      | X-F45G0304  |
| F45G0402                                                                                                                              | 1/4"   | 1/8"    | 100     | X-F45G0402  |
| F45G0404                                                                                                                              | 1/4"   | 1/4"    | 150     | X-F45G0404  |
| F45G0406                                                                                                                              | 1/4"   | 3/8"    | 100     | X-F45G0406  |
| F45G0408                                                                                                                              | 1/4"   | 1/2"    | 20      | X-F45G0408  |
| F45G0504                                                                                                                              | 5/16"  | 1/4"    | 50      | X-F45G0504  |
| F45G0506                                                                                                                              | 5/16"  | 3/8"    | 100     | X-F45G0506  |
| F45G0508                                                                                                                              | 5/16"  | 1/2"    | 25      | X-F45G0508  |
| F45G0604                                                                                                                              | 3/8"   | 1/4"    | 25      | X-F45G0604  |
| F45G0606                                                                                                                              | 3/8"   | 3/8"    | 75      | X-F45G0606  |
| F45G0608                                                                                                                              | 3/8"   | 1/2"    | 50      | X-F45G0608  |
| F45G0806                                                                                                                              | 1/2"   | 3/8"    | 25      | X-F45G0806  |
| F45G0808                                                                                                                              | 1/2"   | 1/2"    | 50      | X-F45G0808  |
| F45G0810                                                                                                                              | 1/2"   | 5/8"    | 20      | X-F45G0810  |
| F45G0812                                                                                                                              | 1/2"   | 3/4"    | 10      | X-F45G0812  |
| F45G1008                                                                                                                              | 5/8"   | 1/2"    | 10      | X-F45G1008  |
| F45G1010                                                                                                                              | 5/8"   | 5/8"    | 25      | X-F45G1010  |
| F45G1012                                                                                                                              | 5/8"   | 3/4"    | 20      | X-F45G1012  |
| F45G1208                                                                                                                              | 3/4"   | 1/2"    | 10      | X-F45G1208  |
| F45G1210                                                                                                                              | 3/4"   | 5/8"    | 10      | X-F45G1210  |
| F45G1212                                                                                                                              | 3/4"   | 3/4"    | 20      | X-F45G1212  |
| F45G1216                                                                                                                              | 3/4"   | 1"      | 20      | X-F45G1216  |
| F45G1612                                                                                                                              | 1"     | 3/4"    | 10      | X-F45G1612  |
| F45G1616                                                                                                                              | 1"     | 1"      | 10      | X-F45G1616  |
| F45G1620                                                                                                                              | 1"     | 1.1/4"  | 10      | X-F45G1620  |
| F45G2020                                                                                                                              | 1.1/4" | 1.1/4"  | 10      | X-F45G2020  |
| F45G2024                                                                                                                              | 1.1/4" | 1.1/2"  | 5       | X-F45G2024  |
| F45G2424                                                                                                                              | 1.1/2" | 1.1/2"  | 5       | X-F45G2424  |

|  <b>HEMBRA GIRATORIA<br/>A 45° BSPP - CONO 60°<br/>(TUERCA CON SEGURO)</b> |        |         |         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|--|
| CÓDIGO                                                                                                                                                         | Ø TUBO | Ø ROSCA | Ud/Caja |  |
| F45G0302SP                                                                                                                                                     | 3/16"  | 1/8"    | 50      |  |
| F45G0304SP                                                                                                                                                     | 3/16"  | 1/4"    | 50      |  |
| F45G0402SP                                                                                                                                                     | 1/4"   | 1/8"    | 50      |  |
| F45G0404SP                                                                                                                                                     | 1/4"   | 1/4"    | 50      |  |
| F45G0406SP                                                                                                                                                     | 1/4"   | 3/8"    | 50      |  |
| F45G0408SP                                                                                                                                                     | 1/4"   | 1/2"    | 20      |  |
| F45G0504SP                                                                                                                                                     | 5/16"  | 1/4"    | 20      |  |
| F45G0506SP                                                                                                                                                     | 5/16"  | 3/8"    | 50      |  |
| F45G0508SP                                                                                                                                                     | 5/16"  | 1/2"    | 20      |  |
| F45G0604SP                                                                                                                                                     | 3/8"   | 1/4"    | 20      |  |
| F45G0606SP                                                                                                                                                     | 3/8"   | 3/8"    | 20      |  |
| F45G0608SP                                                                                                                                                     | 3/8"   | 1/2"    | 20      |  |
| F45G0806SP                                                                                                                                                     | 1/2"   | 3/8"    | 20      |  |
| F45G0808SP                                                                                                                                                     | 1/2"   | 1/2"    | 20      |  |
| F45G0812SP                                                                                                                                                     | 1/2"   | 3/4"    | 10      |  |
| F45G1008SP                                                                                                                                                     | 5/8"   | 1/2"    | 10      |  |
| F45G1012SP                                                                                                                                                     | 5/8"   | 3/4"    | 10      |  |
| F45G1208SP                                                                                                                                                     | 3/4"   | 1/2"    | 10      |  |
| F45G1212SP                                                                                                                                                     | 3/4"   | 3/4"    | 20      |  |
| F45G1216SP                                                                                                                                                     | 3/4"   | 1"      | 10      |  |
| F45G1612SP                                                                                                                                                     | 1"     | 3/4"    | 10      |  |
| F45G1616SP                                                                                                                                                     | 1"     | 1"      | 10      |  |
| F45G1620SP                                                                                                                                                     | 1"     | 1.1/4"  | 5       |  |
| F45G2020SP                                                                                                                                                     | 1.1/4" | 1.1/4"  | 10      |  |
| F45G2024SP                                                                                                                                                     | 1.1/4" | 1.1/2"  | 5       |  |
| F45G2424SP                                                                                                                                                     | 1.1/2" | 1.1/2"  | 5       |  |
| F45G3232SP                                                                                                                                                     | 2"     | 2"      | 3       |  |



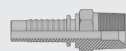

**MACHO FIJO BSPP  
ASIENTO PLANO**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|----------|--------|---------|---------|-------------|
| MGSP0404 | 1/4"   | 1/4"    | 100     | X-MGSP0404  |
| MGSP0406 | 1/4"   | 3/8"    | 50      | X-MGSP0406  |
| MGSP0506 | 5/16"  | 3/8"    | 50      | X-MGSP0506  |
| MGSP0606 | 3/8"   | 3/8"    | 50      | X-MGSP0606  |
| MGSP0608 | 3/8"   | 1/2"    | 100     | X-MGSP0608  |
| MGSP0808 | 1/2"   | 1/2"    | 75      | X-MGSP0808  |
| MGSP0810 | 1/2"   | 5/8"    | 20      | X-MGSP0810  |
| MGSP0812 | 1/2"   | 3/4"    | 10      | X-MGSP0812  |
| MGSP1010 | 5/8"   | 5/8"    | 20      | X-MGSP1010  |
| MGSP1012 | 5/8"   | 3/4"    | 20      | X-MGSP1012  |
| MGSP1212 | 3/4"   | 3/4"    | 10      | X-MGSP1212  |
| MGSP1216 | 3/4"   | 1"      | 10      | X-MGSP1216  |
| MGSP1616 | 1"     | 1"      | 20      | X-MGSP1616  |
| MGSP2020 | 1.1/4" | 1.1/4"  | 5       | X-MGSP2020  |
| MGSP2424 | 1.1/2" | 1.1/2"  | 5       | X-MGSP2424  |

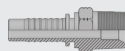

**HEMBRA RECTA BSPP  
ASIENTO PLANO**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|-----------|--------|---------|---------|-------------|
| FDGSP0404 | 1/4"   | 1/4"    | 100     | X-FDGSP0404 |
| FDGSP0406 | 1/4"   | 3/8"    | 75      | X-FDGSP0406 |
| FDGSP0506 | 5/16"  | 3/8"    | 75      | X-FDGSP0506 |
| FDGSP0606 | 3/8"   | 3/8"    | 150     | X-FDGSP0606 |
| FDGSP0608 | 3/8"   | 1/2"    | 100     | X-FDGSP0608 |
| FDGSP0808 | 1/2"   | 1/2"    | 100     | X-FDGSP0808 |
| FDGSP0810 | 1/2"   | 5/8"    | 20      | X-FDGSP0810 |
| FDGSP0812 | 1/2"   | 3/4"    | 20      | X-FDGSP0812 |
| FDGSP1010 | 5/8"   | 5/8"    | 25      | X-FDGSP1010 |
| FDGSP1012 | 5/8"   | 3/4"    | 20      | X-FDGSP1012 |
| FDGSP1212 | 3/4"   | 3/4"    | 20      | X-FDGSP1212 |
| FDGSP1216 | 3/4"   | 1"      | 10      | X-FDGSP1216 |
| FDGSP1616 | 1"     | 1"      | 20      | X-FDGSP1616 |
| FDGSP2020 | 1.1/4" | 1.1/4"  | 5       | X-FDGSP2020 |

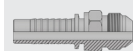
## BSPT/NPT


**MACHO BSPT CONO 60°**

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|---------|--------|---------|---------|-------------|
| MGK0302 | 3/16"  | 1/8"    | 100     | X-MGK0302   |
| MGK0304 | 3/16"  | 1/4"    | 100     | X-MGK0304   |
| MGK0402 | 1/4"   | 1/8"    | 100     | X-MGK0402   |
| MGK0404 | 1/4"   | 1/4"    | 100     | X-MGK0404   |
| MGK0406 | 1/4"   | 3/8"    | 50      | X-MGK0406   |
| MGK0504 | 5/16"  | 1/4"    | 100     | X-MGK0504   |
| MGK0506 | 5/16"  | 3/8"    | 150     | X-MGK0506   |
| MGK0604 | 3/8"   | 1/4"    | 50      | X-MGK0604   |
| MGK0606 | 3/8"   | 3/8"    | 150     | X-MGK0606   |
| MGK0608 | 3/8"   | 1/2"    | 100     | X-MGK0608   |
| MGK0806 | 1/2"   | 3/8"    | 50      | X-MGK0806   |
| MGK0808 | 1/2"   | 1/2"    | 100     | X-MGK0808   |
| MGK1008 | 5/8"   | 1/2"    | 20      | X-MGK1008   |
| MGK1012 | 5/8"   | 3/4"    | 20      | X-MGK1012   |
| MGK1212 | 3/4"   | 3/4"    | 50      | X-MGK1212   |
| MGK1216 | 3/4"   | 1"      | 10      | X-MGK1216   |
| MGK1616 | 1"     | 1"      | 20      | X-MGK1616   |
| MGK1620 | 1"     | 1.1/4"  | 10      | X-MGK1620   |
| MGK2020 | 1.1/4" | 1.1/4"  | 10      | X-MGK2020   |
| MGK2024 | 1.1/4" | 1.1/2"  | 10      | X-MGK2024   |
| MGK2424 | 1.1/2" | 1.1/2"  | 10      | X-MGK2424   |
| MGK3232 | 2"     | 2"      | 5       | X-MGK3232   |


**MACHO NPTF CONO 60°**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|----------|--------|---------|---------|-------------|
| MNPT0302 | 3/16"  | 1/8"    | 100     | X-MNPT0302  |
| MNPT0304 | 3/16"  | 1/4"    | 100     | X-MNPT0304  |
| MNPT0402 | 1/4"   | 1/8"    | 100     | X-MNPT0402  |
| MNPT0404 | 1/4"   | 1/4"    | 100     | X-MNPT0404  |
| MNPT0406 | 1/4"   | 3/8"    | 50      | X-MNPT0406  |
| MNPT0408 | 1/4"   | 1/2"    | 50      | X-MNPT0408  |
| MNPT0504 | 5/16"  | 1/4"    | 100     | X-MNPT0504  |
| MNPT0506 | 5/16"  | 3/8"    | 150     | X-MNPT0506  |
| MNPT0508 | 5/16"  | 1/2"    | 100     | X-MNPT0508  |
| MNPT0604 | 3/8"   | 1/4"    | 50      | X-MNPT0604  |
| MNPT0606 | 3/8"   | 3/8"    | 150     | X-MNPT0606  |
| MNPT0608 | 3/8"   | 1/2"    | 100     | X-MNPT0608  |
| MNPT0806 | 1/2"   | 3/8"    | 50      | X-MNPT0806  |
| MNPT0808 | 1/2"   | 1/2"    | 75      | X-MNPT0808  |
| MNPT0812 | 1/2"   | 3/4"    | 50      | X-MNPT0812  |
| MNPT1008 | 5/8"   | 1/2"    | 25      | X-MNPT1008  |
| MNPT1012 | 5/8"   | 3/4"    | 20      | X-MNPT1012  |
| MNPT1212 | 3/4"   | 3/4"    | 50      | X-MNPT1212  |
| MNPT1216 | 3/4"   | 1"      | 10      | X-MNPT1216  |
| MNPT1612 | 1"     | 3/4"    | 10      | X-MNPT1612  |
| MNPT1616 | 1"     | 1"      | 20      | X-MNPT1616  |
| MNPT1620 | 1"     | 1.1/4"  | 10      | X-MNPT1620  |
| MNPT2020 | 1.1/4" | 1.1/4"  | 10      | X-MNPT2020  |
| MNPT2024 | 1.1/4" | 1.1/2"  | 10      | X-MNPT2024  |
| MNPT2424 | 1.1/2" | 1.1/2"  | 10      | X-MNPT2424  |
| MNPT3232 | 2"     | 2"      | 5       | X-MNPT3232  |



MACHO JIC CONO 37° (E)

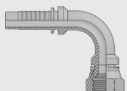
| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|--------|--------|---------|---------|-------------|
| MJ0304 | 3/16"  | 7/16"   | 100     | X-MJ0304    |
| MJ0305 | 3/16"  | 1/2"    | 100     | X-MJ0305    |
| MJ0404 | 1/4"   | 7/16"   | 100     | X-MJ0404    |
| MJ0405 | 1/4"   | 1/2"    | 100     | X-MJ0405    |
| MJ0406 | 1/4"   | 9/16"   | 100     | X-MJ0406    |
| MJ0505 | 5/16"  | 1/2"    | 50      | X-MJ0505    |
| MJ0506 | 5/16"  | 9/16"   | 100     | X-MJ0506    |
| MJ0507 | 5/16"  | 5/8"    | 75      | X-MJ0507    |
| MJ0508 | 5/16"  | 3/4"    | 75      | X-MJ0508    |
| MJ0606 | 3/8"   | 9/16"   | 200     | X-MJ0606    |
| MJ0607 | 3/8"   | 5/8"    | 50      | X-MJ0607    |
| MJ0608 | 3/8"   | 3/4"    | 150     | X-MJ0608    |
| MJ0610 | 3/8"   | 7/8"    | 75      | X-MJ0610    |
| MJ0808 | 1/2"   | 3/4"    | 100     | X-MJ0808    |
| MJ0810 | 1/2"   | 7/8"    | 75      | X-MJ0810    |
| MJ0812 | 1/2"   | 1.1/16" | 50      | X-MJ0812    |
| MJ1010 | 5/8"   | 7/8"    | 25      | X-MJ1010    |
| MJ1012 | 5/8"   | 1.1/16" | 50      | X-MJ1012    |
| MJ1210 | 3/4"   | 7/8"    | 20      | X-MJ1210    |
| MJ1212 | 3/4"   | 1.1/16" | 35      | X-MJ1212    |
| MJ1214 | 3/4"   | 1.3/16" | 10      | X-MJ1214    |
| MJ1216 | 3/4"   | 1.5/16" | 25      | X-MJ1216    |
| MJ1612 | 1"     | 1.1/16" | 10      | X-MJ1612    |
| MJ1616 | 1"     | 1.5/16" | 20      | X-MJ1616    |
| MJ1620 | 1"     | 1.5/8"  | 15      | X-MJ1620    |
| MJ2020 | 1.1/4" | 1.5/8"  | 10      | X-MJ2020    |
| MJ2024 | 1.1/4" | 1.7/8"  | 10      | X-MJ2024    |
| MJ2424 | 1.1/2" | 1.7/8"  | 10      | X-MJ2424    |
| MJ3232 | 2"     | 2 1/2"  | 5       | X-MJ3232    |



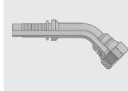
HEMBRA GIRATORIA JIC CONO 37°

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|-----------|--------|---------|---------|-------------|
| FDJ0304   | 3/16"  | 7/16"   | 100     | X-FDJ0304   |
| FDJ0305   | 3/16"  | 1/2"    | 100     | X-FDJ0305   |
| FDJ0404   | 1/4"   | 7/16"   | 150     | X-FDJ0404   |
| FDJ0405   | 1/4"   | 1/2"    | 100     | X-FDJ0405   |
| FDJ0406   | 1/4"   | 9/16"   | 200     | X-FDJ0406   |
| FDJ0505   | 5/16"  | 1/2"    | 100     | X-FDJ0505   |
| FDJ0506   | 5/16"  | 9/16"   | 200     | X-FDJ0506   |
| FDJ0507   | 5/16"  | 5/8"    | 50      | X-FDJ0507   |
| FDJ0508   | 5/16"  | 3/4"    | 100     | X-FDJ0508   |
| FDJ0606   | 3/8"   | 9/16"   | 200     | X-FDJ0606   |
| FDJ0607   | 3/8"   | 5/8"    | 150     | X-FDJ0607   |
| FDJ0608   | 3/8"   | 3/4"    | 100     | X-FDJ0608   |
| FDJ0610   | 3/8"   | 7/8"    | 75      | X-FDJ0610   |
| FDJ0808   | 1/2"   | 3/4"    | 100     | X-FDJ0808   |
| FDJ0810   | 1/2"   | 7/8"    | 75      | X-FDJ0810   |
| FDJ0812   | 1/2"   | 1.1/16" | 50      | X-FDJ0812   |
| FDJ1010   | 5/8"   | 7/8"    | 50      | X-FDJ1010   |
| FDJ1012   | 5/8"   | 1.1/16" | 50      | X-FDJ1012   |
| FDJ1210   | 3/4"   | 7/8"    | 20      | X-FDJ1210   |
| FDJ1212   | 3/4"   | 1.1/16" | 100     | X-FDJ1212   |
| FDJ1214   | 3/4"   | 1.3/16" | 30      | X-FDJ1214   |
| FDJ1216   | 3/4"   | 1.5/16" | 25      | X-FDJ1216   |
| FDJ1612   | 1"     | 1.1/16" | 10      | X-FDJ1612   |
| FDJ1616   | 1"     | 1.5/16" | 50      | X-FDJ1616   |
| FDJ1616SP | 1"     | 1.5/16" | 20      | X-FDJ1616SP |
| FDJ1620   | 1"     | 1.5/8"  | 15      | X-FDJ1620   |
| FDJ1620SP | 1"     | 1.5/8"  | 5       | X-FDJ1620SP |
| FDJ2020   | 1.1/4" | 1.5/8"  | 10      | X-FDJ2020   |
| FDJ2020SP | 1.1/4" | 1.5/8"  | 5       | X-FDJ2020SP |
| FDJ2024   | 1.1/4" | 1.7/8"  | 10      | X-FDJ2024   |
| FDJ2024SP | 1.1/4" | 1.7/8"  | 5       | X-FDJ2024SP |
| FDJ2424   | 1.1/2" | 1.7/8"  | 10      | X-FDJ2424   |
| FDJ2424SP | 1.1/2" | 1.7/8"  | 5       | X-FDJ2424SP |
| FDJ3232SP | 2"     | 2.1/2"  | 5       | X-FDJ3232SP |

SP con o-ring y tuerca con seguro.

|  <b>HEMBRA GIRATORIA A 90°<br/>JIC CONO 37°</b> |        |         |         |              |
|----------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|--------------|
| CÓDIGO                                                                                                                           | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX  |
| F90J0304                                                                                                                         | 3/16"  | 7/16"   | 100     | X-F90J0304   |
| F90J0305                                                                                                                         | 3/16"  | 1/2"    | 50      | X-F90J0305   |
| F90J0404                                                                                                                         | 1/4"   | 7/16"   | 50      | X-F90J0404   |
| F90J0405                                                                                                                         | 1/4"   | 1/2"    | 50      | X-F90J0405   |
| F90J0406                                                                                                                         | 1/4"   | 9/16"   | 150     | X-F90J0406   |
| F90J0505                                                                                                                         | 5/16"  | 1/2"    | 50      | X-F90J0505   |
| F90J0506                                                                                                                         | 5/16"  | 9/16"   | 100     | X-F90J0506   |
| F90J0507                                                                                                                         | 5/16"  | 5/8"    | 50      | X-F90J0507   |
| F90J0508                                                                                                                         | 5/16"  | 3/4"    | 25      | X-F90J0508   |
| F90J0606                                                                                                                         | 3/8"   | 9/16"   | 100     | X-F90J0606   |
| F90J0607                                                                                                                         | 3/8"   | 5/8"    | 75      | X-F90J0607   |
| F90J0608                                                                                                                         | 3/8"   | 3/4"    | 70      | X-F90J0608   |
| F90J0610                                                                                                                         | 3/8"   | 7/8"    | 50      | X-F90J0610   |
| F90J0808                                                                                                                         | 1/2"   | 3/4"    | 100     | X-F90J0808   |
| F90J0810                                                                                                                         | 1/2"   | 7/8"    | 100     | X-F90J0810   |
| F90J0812                                                                                                                         | 1/2"   | 1.1/16" | 35      | X-F90J0812   |
| F90J1010                                                                                                                         | 5/8"   | 7/8"    | 25      | X-F90J1010   |
| F90J1012                                                                                                                         | 5/8"   | 1.1/16" | 25      | X-F90J1012   |
| F90J1210                                                                                                                         | 3/4"   | 7/8"    | 10      | X-F90J1210   |
| F90J1212                                                                                                                         | 3/4"   | 1.1/16" | 50      | X-F90J1212   |
| F90J1214                                                                                                                         | 3/4"   | 1.3/16" | 20      | X-F90J1214   |
| F90J1216                                                                                                                         | 3/4"   | 1.5/16" | 15      | X-F90J1216   |
| F90J1612                                                                                                                         | 1"     | 1.1/16" | 10      | X-F90J1612   |
| F90J1616                                                                                                                         | 1"     | 1.5/16" | 25      | X-F90J1616   |
| F90J1616SP                                                                                                                       | 1"     | 1.5/16" | 10      | X-F90J1616SP |
| F90J1620                                                                                                                         | 1"     | 1.5/8"  | 5       | X-F90J1620   |
| F90J1620SP                                                                                                                       | 1"     | 1.5/8"  | 5       | X-F90J1620SP |
| F90J2020                                                                                                                         | 1.1/4" | 1.5/8"  | 10      | X-F90J2020   |
| F90J2020SP                                                                                                                       | 1.1/4" | 1.5/8"  | 5       | X-F90J2020SP |
| F90J2024                                                                                                                         | 1.1/4" | 1.7/8"  | 5       | X-F90J2024   |
| F90J2024SP                                                                                                                       | 1.1/4" | 1.7/8"  | 5       | X-F90J2024SP |
| F90J2424                                                                                                                         | 1.1/2" | 1.7/8"  | 5       | X-F90J2424   |
| F90J2424SP                                                                                                                       | 1.1/2" | 1.7/8"  | 5       | X-F90J2424SP |
| F90J2432SP                                                                                                                       | 1.1/2" | 2.1/2"  | 5       | X-F90J2432SP |
| F90J3232SP                                                                                                                       | 2"     | 2.1/2"  | 3       | X-F90J3232SP |

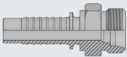
SP con o-ring y tuerca con seguro.

|  <b>HEMBRA GIRATORIA A 45°<br/>JIC CONO 37°</b> |        |         |         |              |
|----------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|--------------|
| CÓDIGO                                                                                                                           | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX  |
| F45J0304                                                                                                                         | 3/16"  | 7/16"   | 50      | X-F45J0304   |
| F45J0305                                                                                                                         | 3/16"  | 1/2"    | 50      | X-F45J0305   |
| F45J0404                                                                                                                         | 1/4"   | 7/16"   | 50      | X-F45J0404   |
| F45J0405                                                                                                                         | 1/4"   | 1/2"    | 50      | X-F45J0405   |
| F45J0406                                                                                                                         | 1/4"   | 9/16"   | 50      | X-F45J0406   |
| F45J0505                                                                                                                         | 5/16"  | 1/2"    | 50      | X-F45J0505   |
| F45J0506                                                                                                                         | 5/16"  | 9/16"   | 50      | X-F45J0506   |
| F45J0507                                                                                                                         | 5/16"  | 5/8"    | 25      | X-F45J0507   |
| F45J0508                                                                                                                         | 5/16"  | 3/4"    | 25      | X-F45J0508   |
| F45J0606                                                                                                                         | 3/8"   | 9/16"   | 100     | X-F45J0606   |
| F45J0607                                                                                                                         | 3/8"   | 5/8"    | 75      | X-F45J0607   |
| F45J0608                                                                                                                         | 3/8"   | 3/4"    | 70      | X-F45J0608   |
| F45J0610                                                                                                                         | 3/8"   | 7/8"    | 50      | X-F45J0610   |
| F45J0808                                                                                                                         | 1/2"   | 3/4"    | 50      | X-F45J0808   |
| F45J0810                                                                                                                         | 1/2"   | 7/8"    | 50      | X-F45J0810   |
| F45J0812                                                                                                                         | 1/2"   | 1.1/16" | 35      | X-F45J0812   |
| F45J1010                                                                                                                         | 5/8"   | 7/8"    | 25      | X-F45J1010   |
| F45J1012                                                                                                                         | 5/8"   | 1.1/16" | 30      | X-F45J1012   |
| F45J1210                                                                                                                         | 3/4"   | 7/8"    | 10      | X-F45J1210   |
| F45J1212                                                                                                                         | 3/4"   | 1.1/16" | 20      | X-F45J1212   |
| F45J1214                                                                                                                         | 3/4"   | 1.3/16" | 20      | X-F45J1214   |
| F45J1216                                                                                                                         | 3/4"   | 1.5/16" | 20      | X-F45J1216   |
| F45J1612                                                                                                                         | 1"     | 1.1/16" | 15      | X-F45J1612   |
| F45J1616                                                                                                                         | 1"     | 1.5/16" | 10      | X-F45J1616   |
| F45J1616SP                                                                                                                       | 1"     | 1.5/16" | 10      | X-F45J1616SP |
| F45J1620                                                                                                                         | 1"     | 1.5/8"  | 5       | X-F45J1620   |
| F45J1620SP                                                                                                                       | 1"     | 1.5/8"  | 5       | X-F45J1620SP |
| F45J2020                                                                                                                         | 1.1/4" | 1.5/8"  | 5       | X-F45J2020   |
| F45J2020SP                                                                                                                       | 1.1/4" | 1.5/8"  | 5       | X-F45J2020SP |
| F45J2024                                                                                                                         | 1.1/4" | 1.7/8"  | 5       | X-F45J2024   |
| F45J2024SP                                                                                                                       | 1.1/4" | 1.7/8"  | 5       | X-F45J2024SP |
| F45J2424                                                                                                                         | 1.1/2" | 1.7/8"  | 5       | X-F45J2424   |
| F45J2424SP                                                                                                                       | 1.1/2" | 1.7/8"  | 5       | X-F45J2424SP |
| F45J3232SP                                                                                                                       | 2"     | 2.1/2"  | 4       | X-F45J3232SP |

SP con o-ring y tuerca con seguro.

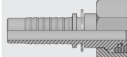
|  <b>HEMBRA A 90°<br/>JIC CONO 37°<br/>CODO LARGO</b> |        |         |       |         |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-------|---------|
| CÓDIGO                                                                                                                                  | Ø TUBO | Ø ROSCA | LARGO | Ud/Caja |
| F90J0404SPLD                                                                                                                            | 1/4"   | 7/16"   | 45    | 1       |
| F90J0405SPLD                                                                                                                            | 1/4"   | 1/2"    | 45    | 1       |
| F90J0406SPLD                                                                                                                            | 1/4"   | 9/16"   | 55.5  | 1       |
| F90J0606SPLD                                                                                                                            | 3/8"   | 9/16"   | 55    | 1       |
| F90J0608SPLD                                                                                                                            | 3/8"   | 3/4"    | 61.5  | 1       |
| F90J0808SPLD                                                                                                                            | 1/2"   | 3/4"    | 61.5  | 1       |
| F90J0810SPLD                                                                                                                            | 1/2"   | 7/8"    | 65    | 1       |
| F90J1010SPLD                                                                                                                            | 5/8"   | 7/8"    | 65.5  | 1       |
| F90J1212SPLD                                                                                                                            | 3/4"   | 1.1/16" | 94.5  | 1       |
| F90J1616SPLD                                                                                                                            | 1"     | 1.5/16" | 132   | 1       |

# MÉTRICO SERIE L



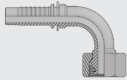
**MACHO MÉTRICO CONO 24°  
SERIE L**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|-----------|--------|---------|---------|-------------|
| ME0312L6  | 3/16"  | M12X1.5 | 100     | X-ME0312L6  |
| ME0314L8  | 3/16"  | M14X1.5 | 100     | X-ME0314L8  |
| ME0412L6  | 1/4"   | M12X1.5 | 100     | X-ME0412L6  |
| ME0414L8  | 1/4"   | M14X1.5 | 100     | X-ME0414L8  |
| ME0416L10 | 1/4"   | M16X1.5 | 250     | X-ME0416L10 |
| ME0418L12 | 1/4"   | M18X1.5 | 200     | X-ME0418L12 |
| ME0514L8  | 5/16"  | M14X1.5 | 100     | X-ME0514L8  |
| ME0516L10 | 5/16"  | M16X1.5 | 100     | X-ME0516L10 |
| ME0518L12 | 5/16"  | M18X1.5 | 200     | X-ME0518L12 |
| ME0616L10 | 3/8"   | M16X1.5 | 200     | X-ME0616L10 |
| ME0618L12 | 3/8"   | M18X1.5 | 150     | X-ME0618L12 |
| ME0622L15 | 3/8"   | M22X1.5 | 100     | X-ME0622L15 |
| ME0818L12 | 1/2"   | M18X1.5 | 50      | X-ME0818L12 |
| ME0822L15 | 1/2"   | M22X1.5 | 100     | X-ME0822L15 |
| ME0826L18 | 1/2"   | M26X1.5 | 75      | X-ME0826L18 |
| ME1026L18 | 5/8"   | M26X1.5 | 75      | X-ME1026L18 |
| ME1030L22 | 5/8"   | M30X2   | 40      | X-ME1030L22 |
| ME1226L18 | 3/4"   | M26X1.5 | 20      | X-ME1226L18 |
| ME1230L22 | 3/4"   | M30X2   | 100     | X-ME1230L22 |
| ME1636L28 | 1"     | M36X2   | 50      | X-ME1636L28 |
| ME2045L35 | 1.1/4" | M45X2   | 10      | X-ME2045L35 |
| ME2452L42 | 1.1/2" | M52X2   | 5       | X-ME2452L42 |



**HEMBRA GIRATORIA MÉTRICA  
CON O-RING CONO 24° SERIE L**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|-----------|--------|---------|---------|-------------|
| FE0312L6  | 3/16"  | M12X1.5 | 100     | X-FE0312L6  |
| FE0314L8  | 3/16"  | M14X1.5 | 100     | X-FE0314L8  |
| FE0412L6  | 1/4"   | M12X1.5 | 100     | X-FE0412L6  |
| FE0414L8  | 1/4"   | M14X1.5 | 250     | X-FE0414L8  |
| FE0416L10 | 1/4"   | M16X1.5 | 200     | X-FE0416L10 |
| FE0418L12 | 1/4"   | M18X1.5 | 150     | X-FE0418L12 |
| FE0514L8  | 5/16"  | M14X1.5 | 100     | X-FE0514L8  |
| FE0516L10 | 5/16"  | M16X1.5 | 200     | X-FE0516L10 |
| FE0518L12 | 5/16"  | M18X1.5 | 150     | X-FE0518L12 |
| FE0616L10 | 3/8"   | M16X1.5 | 150     | X-FE0616L10 |
| FE0618L12 | 3/8"   | M18X1.5 | 150     | X-FE0618L12 |
| FE0622L15 | 3/8"   | M22X1.5 | 100     | X-FE0622L15 |
| FE0818L12 | 1/2"   | M18X1.5 | 50      | X-FE0818L12 |
| FE0822L15 | 1/2"   | M22X1.5 | 75      | X-FE0822L15 |
| FE0826L18 | 1/2"   | M26X1.5 | 75      | X-FE0826L18 |
| FE1026L18 | 5/8"   | M26X1.5 | 50      | X-FE1026L18 |
| FE1030L22 | 5/8"   | M30X2   | 50      | X-FE1030L22 |
| FE1226L18 | 3/4"   | M26X1.5 | 20      | X-FE1226L18 |
| FE1230L22 | 3/4"   | M30X2   | 75      | X-FE1230L22 |
| FE1636L28 | 1"     | M36X2   | 50      | X-FE1636L28 |
| FE2045L35 | 1.1/4" | M45X2   | 10      | X-FE2045L35 |
| FE2452L42 | 1.1/2" | M52X2   | 5       | X-FE2452L42 |



**HEMBRA GIRATORIA A 90° MÉTRICA  
CON O-RING CONO 24° SERIE L**

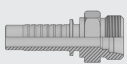
| CÓDIGO      | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|---------|---------|---------------|
| F90E0312L6  | 3/16"  | M12X1.5 | 100     | X-F90E0312L6  |
| F90E0314L8  | 3/16"  | M14X1.5 | 100     | X-F90E0314L8  |
| F90E0412L6  | 1/4"   | M12X1.5 | 100     | X-F90E0412L6  |
| F90E0414L8  | 1/4"   | M14X1.5 | 150     | X-F90E0414L8  |
| F90E0416L10 | 1/4"   | M16X1.5 | 150     | X-F90E0416L10 |
| F90E0418L12 | 1/4"   | M18X1.5 | 150     | X-F90E0418L12 |
| F90E0514L8  | 5/16"  | M14X1.5 | 50      | X-F90E0514L8  |
| F90E0516L10 | 5/16"  | M16X1.5 | 150     | X-F90E0516L10 |
| F90E0518L12 | 5/16"  | M18X1.5 | 100     | X-F90E0518L12 |
| F90E0616L10 | 3/8"   | M16X1.5 | 100     | X-F90E0616L10 |
| F90E0618L12 | 3/8"   | M18X1.5 | 100     | X-F90E0618L12 |
| F90E0622L15 | 3/8"   | M22X1.5 | 75      | X-F90E0622L15 |
| F90E0818L12 | 1/2"   | M18X1.5 | 20      | X-F90E0818L12 |
| F90E0822L15 | 1/2"   | M22X1.5 | 100     | X-F90E0822L15 |
| F90E0826L18 | 1/2"   | M26X1.5 | 100     | X-F90E0826L18 |
| F90E1026L18 | 5/8"   | M26X1.5 | 35      | X-F90E1026L18 |
| F90E1030L22 | 5/8"   | M30X2   | 50      | X-F90E1030L22 |
| F90E1226L18 | 3/4"   | M26X1.5 | 10      | X-F90E1226L18 |
| F90E1230L22 | 3/4"   | M30X2   | 50      | X-F90E1230L22 |
| F90E1636L28 | 1"     | M36X2   | 25      | X-F90E1636L28 |
| F90E2045L35 | 1.1/4" | M45X2   | 10      | X-F90E2045L35 |
| F90E2452L42 | 1.1/2" | M52X2   | 5       | X-F90E2452L42 |



**HEMBRA MÉTRICA A 45°  
CON O-RING CONO 24° SERIE L**

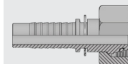
| CÓDIGO      | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|---------|---------|---------------|
| F45E0312L6  | 3/16"  | M12X1.5 | 100     | X-F45E0312L6  |
| F45E0314L8  | 3/16"  | M14X1.5 | 75      | X-F45E0314L8  |
| F45E0412L6  | 1/4"   | M12X1.5 | 100     | X-F45E0412L6  |
| F45E0414L8  | 1/4"   | M14X1.5 | 150     | X-F45E0414L8  |
| F45E0416L10 | 1/4"   | M16X1.5 | 150     | X-F45E0416L10 |
| F45E0418L12 | 1/4"   | M18X1.5 | 150     | X-F45E0418L12 |
| F45E0514L8  | 5/16"  | M14X1.5 | 50      | X-F45E0514L8  |
| F45E0516L10 | 5/16"  | M16X1.5 | 150     | X-F45E0516L10 |
| F45E0518L12 | 5/16"  | M18X1.5 | 100     | X-F45E0518L12 |
| F45E0616L10 | 3/8"   | M16X1.5 | 100     | X-F45E0616L10 |
| F45E0618L12 | 3/8"   | M18X1.5 | 100     | X-F45E0618L12 |
| F45E0622L15 | 3/8"   | M22X1.5 | 75      | X-F45E0622L15 |
| F45E0818L12 | 1/2"   | M18X1.5 | 20      | X-F45E0818L12 |
| F45E0822L15 | 1/2"   | M22X1.5 | 100     | X-F45E0822L15 |
| F45E0826L18 | 1/2"   | M26X1.5 | 50      | X-F45E0826L18 |
| F45E1026L18 | 5/8"   | M26X1.5 | 35      | X-F45E1026L18 |
| F45E1030L22 | 5/8"   | M30X2   | 25      | X-F45E1030L22 |
| F45E1226L18 | 3/4"   | M26X1.5 | 10      | X-F45E1226L18 |
| F45E1230L22 | 3/4"   | M30X2   | 50      | X-F45E1230L22 |
| F45E1636L28 | 1"     | M36X2   | 25      | X-F45E1636L28 |
| F45E2045L35 | 1.1/4" | M45X2   | 10      | X-F45E2045L35 |
| F45E2452L42 | 1.1/2" | M52X2   | 5       | X-F45E2452L42 |

# MÉTRICO SERIE S



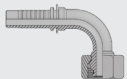
**MACHO MÉTRICO CONO 24°  
SERIE S**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|-----------|--------|---------|---------|-------------|
| ME0314S6  | 3/16"  | M14X1.5 | 100     | X-ME0314S6  |
| ME0316S8  | 3/16"  | M16X1.5 | 100     | X-ME0316S8  |
| ME0414S6  | 1/4"   | M14X1.5 | 100     | X-ME0414S6  |
| ME0416S8  | 1/4"   | M16X1.5 | 100     | X-ME0416S8  |
| ME0418S10 | 1/4"   | M18X1.5 | 100     | X-ME0418S10 |
| ME0420S12 | 1/4"   | M20X1.5 | 50      | X-ME0420S12 |
| ME0518S10 | 5/16"  | M18X1.5 | 75      | X-ME0518S10 |
| ME0520S12 | 5/16"  | M20X1.5 | 50      | X-ME0520S12 |
| ME0618S10 | 3/8"   | M18X1.5 | 150     | X-ME0618S10 |
| ME0620S12 | 3/8"   | M20X1.5 | 150     | X-ME0620S12 |
| ME0622S14 | 3/8"   | M22X1.5 | 100     | X-ME0622S14 |
| ME0822S14 | 1/2"   | M22X1.5 | 100     | X-ME0822S14 |
| ME0824S16 | 1/2"   | M24X1.5 | 75      | X-ME0824S16 |
| ME1030S20 | 5/8"   | M30X2   | 35      | X-ME1030S20 |
| ME1230S20 | 3/4"   | M30X2   | 100     | X-ME1230S20 |
| ME1236S25 | 3/4"   | M36X2   | 30      | X-ME1236S25 |
| ME1636S25 | 1"     | M36X2   | 20      | X-ME1636S25 |
| ME1642S30 | 1"     | M42X2   | 15      | X-ME1642S30 |
| ME2042S30 | 1.1/4" | M42X2   | 10      | X-ME2042S30 |
| ME2052S38 | 1.1/4" | M52X2   | 10      | X-ME2052S38 |
| ME2452S38 | 1.1/2" | M52X2   | 5       | X-ME2452S38 |



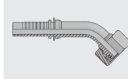
**HEMBRA MÉTRICA CONO 24°  
CON O-RING SERIE S**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|-----------|--------|---------|---------|-------------|
| FE0314S6  | 3/16"  | M14X1.5 | 100     | X-FE0314S6  |
| FE0316S8  | 3/16"  | M16X1.5 | 100     | X-FE0316S8  |
| FE0414S6  | 1/4"   | M14X1.5 | 100     | X-FE0414S6  |
| FE0416S8  | 1/4"   | M16X1.5 | 100     | X-FE0416S8  |
| FE0418S10 | 1/4"   | M18X1.5 | 200     | X-FE0418S10 |
| FE0420S12 | 1/4"   | M20X1.5 | 150     | X-FE0420S12 |
| FE0518S10 | 5/16"  | M18X1.5 | 150     | X-FE0518S10 |
| FE0520S12 | 5/16"  | M20X1.5 | 150     | X-FE0520S12 |
| FE0618S10 | 3/8"   | M18X1.5 | 150     | X-FE0618S10 |
| FE0620S12 | 3/8"   | M20X1.5 | 100     | X-FE0620S12 |
| FE0622S14 | 3/8"   | M22X1.5 | 100     | X-FE0622S14 |
| FE0822S14 | 1/2"   | M22X1.5 | 75      | X-FE0822S14 |
| FE0824S16 | 1/2"   | M24X1.5 | 75      | X-FE0824S16 |
| FE1030S20 | 5/8"   | M30X2   | 40      | X-FE1030S20 |
| FE1230S20 | 3/4"   | M30X2   | 75      | X-FE1230S20 |
| FE1236S25 | 3/4"   | M36X2   | 25      | X-FE1236S25 |
| FE1636S25 | 1"     | M36X2   | 40      | X-FE1636S25 |
| FE1642S30 | 1"     | M42X2   | 35      | X-FE1642S30 |
| FE2042S30 | 1.1/4" | M42X2   | 10      | X-FE2042S30 |
| FE2052S38 | 1.1/4" | M52X2   | 10      | X-FE2052S38 |
| FE2452S38 | 1.1/2" | M52X2   | 5       | X-FE2452S38 |



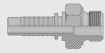
**HEMBRA MÉTRICA A 90°  
CON O-RING CONO 24° SERIE S**

| CÓDIGO      | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|---------|---------|---------------|
| F90E0314S6  | 3/16"  | M14X1.5 | 100     | X-F90E0314S6  |
| F90E0316S8  | 3/16"  | M16X1.5 | 100     | X-F90E0316S8  |
| F90E0414S6  | 1/4"   | M14X1.5 | 100     | X-F90E0414S6  |
| F90E0416S8  | 1/4"   | M16X1.5 | 100     | X-F90E0416S8  |
| F90E0418S10 | 1/4"   | M18X1.5 | 100     | X-F90E0418S10 |
| F90E0420S12 | 1/4"   | M20X1.5 | 100     | X-F90E0420S12 |
| F90E0518S10 | 5/16"  | M18X1.5 | 100     | X-F90E0518S10 |
| F90E0520S12 | 5/16"  | M20X1.5 | 100     | X-F90E0520S12 |
| F90E0618S10 | 3/8"   | M18X1.5 | 75      | X-F90E0618S10 |
| F90E0620S12 | 3/8"   | M20X1.5 | 100     | X-F90E0620S12 |
| F90E0622S14 | 3/8"   | M22X1.5 | 75      | X-F90E0622S14 |
| F90E0822S14 | 1/2"   | M22X1.5 | 50      | X-F90E0822S14 |
| F90E0824S16 | 1/2"   | M24X1.5 | 100     | X-F90E0824S16 |
| F90E1030S20 | 5/8"   | M30X2   | 50      | X-F90E1030S20 |
| F90E1230S20 | 3/4"   | M30X2   | 50      | X-F90E1230S20 |
| F90E1236S25 | 3/4"   | M36X2   | 30      | X-F90E1236S25 |
| F90E1636S25 | 1"     | M36X2   | 25      | X-F90E1636S25 |
| F90E1642S30 | 1"     | M42X2   | 20      | X-F90E1642S30 |
| F90E2042S30 | 1.1/4" | M42X2   | 5       | X-F90E2042S30 |
| F90E2052S38 | 1.1/4" | M52X2   | 5       | X-F90E2052S38 |
| F90E2452S38 | 1.1/2" | M52X2   | 5       | X-F90E2452S38 |

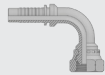


**HEMBRA MÉTRICA A 45°  
CON O-RING CONO 24° SERIE S**

| CÓDIGO      | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|---------|---------|---------------|
| F45E0314S6  | 3/16"  | M14X1.5 | 50      | X-F45E0314S6  |
| F45E0316S8  | 3/16"  | M16X1.5 | 50      | X-F45E0316S8  |
| F45E0414S6  | 1/4"   | M14X1.5 | 50      | X-F45E0414S6  |
| F45E0416S8  | 1/4"   | M16X1.5 | 50      | X-F45E0416S8  |
| F45E0418S10 | 1/4"   | M18X1.5 | 50      | X-F45E0418S10 |
| F45E0420S12 | 1/4"   | M20X1.5 | 100     | X-F45E0420S12 |
| F45E0518S10 | 5/16"  | M18X1.5 | 100     | X-F45E0518S10 |
| F45E0520S12 | 5/16"  | M20X1.5 | 100     | X-F45E0520S12 |
| F45E0618S10 | 3/8"   | M18X1.5 | 100     | X-F45E0618S10 |
| F45E0620S12 | 3/8"   | M20X1.5 | 100     | X-F45E0620S12 |
| F45E0622S14 | 3/8"   | M22X1.5 | 75      | X-F45E0622S14 |
| F45E0822S14 | 1/2"   | M22X1.5 | 50      | X-F45E0822S14 |
| F45E0824S16 | 1/2"   | M24X1.5 | 100     | X-F45E0824S16 |
| F45E1030S20 | 5/8"   | M30X2   | 25      | X-F45E1030S20 |
| F45E1230S20 | 3/4"   | M30X2   | 20      | X-F45E1230S20 |
| F45E1236S25 | 3/4"   | M36X2   | 20      | X-F45E1236S25 |
| F45E1636S25 | 1"     | M36X2   | 10      | X-F45E1636S25 |
| F45E1642S30 | 1"     | M42X2   | 10      | X-F45E1642S30 |
| F45E2042S30 | 1.1/4" | M42X2   | 5       | X-F45E2042S30 |
| F45E2052S38 | 1.1/4" | M52X2   | 5       | X-F45E2052S38 |
| F45E2452S38 | 1.1/2" | M52X2   | 5       | X-F45E2452S38 |

**MACHO MÉTRICO CONO 60°**

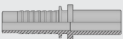
| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------|--------|---------|---------|
| MM0310 | 3/16"  | M10X1   | 100     |
| MM0312 | 3/16"  | M12X1.5 | 100     |
| MM0410 | 1/4"   | M10X1   | 100     |
| MM0412 | 1/4"   | M12X1.5 | 100     |
| MM0414 | 1/4"   | M14X1.5 | 75      |
| MM0416 | 1/4"   | M16X1.5 | 50      |
| MM0418 | 1/4"   | M18X1.5 | 50      |
| MM0514 | 5/16"  | M14X1.5 | 75      |
| MM0516 | 5/16"  | M16X1.5 | 50      |
| MM0518 | 5/16"  | M18X1.5 | 50      |
| MM0614 | 3/8"   | M14X1.5 | 50      |
| MM0616 | 3/8"   | M16X1.5 | 50      |
| MM0618 | 3/8"   | M18X1.5 | 50      |
| MM0620 | 3/8"   | M20X1.5 | 25      |
| MM0622 | 3/8"   | M22X1.5 | 25      |
| MM0818 | 1/2"   | M18X1.5 | 25      |
| MM0820 | 1/2"   | M20X1.5 | 25      |
| MM0822 | 1/2"   | M22X1.5 | 25      |
| MM0824 | 1/2"   | M24X1.5 | 25      |
| MM0826 | 1/2"   | M26X1.5 | 20      |
| MM1026 | 5/8"   | M26X1.5 | 20      |
| MM1226 | 3/4"   | M26X1.5 | 20      |
| MM1230 | 3/4"   | M30X1.5 | 10      |
| MM1638 | 1"     | M38X1.5 | 10      |
| MM2045 | 1.1/4" | M45X1.5 | 5       |
| MM2452 | 1.1/2" | M52X1.5 | 5       |

**HEMBRA GIRATORIA A 90°  
MÉTRICA CONO 60°**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F90M0310  | 3/16"  | M10X1   | 100     |
| F90M0312  | 3/16"  | M12X1.5 | 100     |
| F90M0410  | 1/4"   | M10X1   | 100     |
| F90M0412  | 1/4"   | M12X1.5 | 100     |
| F90M0414  | 1/4"   | M14X1.5 | 150     |
| F90M0416  | 1/4"   | M16X1.5 | 50      |
| F90M0418  | 1/4"   | M18X1.5 | 50      |
| F90M0514  | 5/16"  | M14X1.5 | 50      |
| F90M0516  | 5/16"  | M16X1.5 | 50      |
| F90M0518  | 5/16"  | M18X1.5 | 50      |
| F90M0614  | 3/8"   | M14X1.5 | 100     |
| F90M0616  | 3/8"   | M16X1.5 | 75      |
| F90M0618  | 3/8"   | M18X1.5 | 75      |
| F90M0620  | 3/8"   | M20X1.5 | 50      |
| F90M0622  | 3/8"   | M22X1.5 | 50      |
| F90M0818  | 1/2"   | M18X1.5 | 50      |
| F90M0820  | 1/2"   | M20X1.5 | 50      |
| F90M0822  | 1/2"   | M22X1.5 | 50      |
| F90M0824  | 1/2"   | M24X1.5 | 25      |
| F90M0826  | 1/2"   | M26X1.5 | 20      |
| F90M1026  | 5/8"   | M26X1.5 | 20      |
| F90M1027  | 5/8"   | M27X1.5 | 20      |
| F90M1226  | 3/4"   | M26X1.5 | 20      |
| F90M1227  | 3/4"   | M27X1.5 | 20      |
| F90M1230* | 3/4"   | M30X1.5 | 20      |
| F90M1638* | 1"     | M38X1.5 | 10      |
| F90M2045* | 1.1/4" | M45X1.5 | 5       |
| F90M2452* | 1.1/2" | M52X1.5 | 5       |

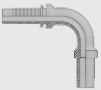
**HEMBRA GIRATORIA MÉTRICA  
CONO 60°**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| FDM0310  | 3/16"  | M10X1   | 100     |
| FDM0312  | 3/16"  | M12X1.5 | 100     |
| FDM0410  | 1/4"   | M10X1   | 100     |
| FDM0412  | 1/4"   | M12X1.5 | 100     |
| FDM0414  | 1/4"   | M14X1.5 | 100     |
| FDM0416  | 1/4"   | M16X1.5 | 50      |
| FDM0418  | 1/4"   | M18X1.5 | 50      |
| FDM0514  | 5/16"  | M14X1.5 | 100     |
| FDM0516  | 5/16"  | M16X1.5 | 50      |
| FDM0518  | 5/16"  | M18X1.5 | 50      |
| FDM0614  | 3/8"   | M14X1.5 | 100     |
| FDM0616  | 3/8"   | M16X1.5 | 150     |
| FDM0618  | 3/8"   | M18X1.5 | 150     |
| FDM0620  | 3/8"   | M20X1.5 | 100     |
| FDM0622  | 3/8"   | M22X1.5 | 100     |
| FDM0818  | 1/2"   | M18X1.5 | 100     |
| FDM0820  | 1/2"   | M20X1.5 | 75      |
| FDM0822  | 1/2"   | M22X1.5 | 100     |
| FDM0824  | 1/2"   | M24X1.5 | 25      |
| FDM0826  | 1/2"   | M26X1.5 | 25      |
| FDM1026  | 5/8"   | M26X1.5 | 20      |
| FDM1027  | 5/8"   | M27X1.5 | 20      |
| FDM1226  | 3/4"   | M26X1.5 | 20      |
| FDM1227  | 3/4"   | M27X1.5 | 20      |
| FDM1230* | 3/4"   | M30X1.5 | 10      |
| FDM1233  | 3/4"   | M33X2   | 10      |
| FDM1638* | 1"     | M38X1.5 | 10      |
| FDM2045* | 1.1/4" | M45X1.5 | 5       |
| FDM2452* | 1.1/2" | M52X1.5 | 5       |



**ESPIGA LISA RECTA**

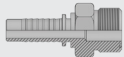
| CÓDIGO  | Ø INCH | Ø MM | Ud/Caja |
|---------|--------|------|---------|
| PDL0306 | 3/16"  | 6    | 100     |
| PDL0308 | 3/16"  | 8    | 100     |
| PDL0406 | 1/4"   | 6    | 200     |
| PDL0408 | 1/4"   | 8    | 200     |
| PDL0410 | 1/4"   | 10   | 150     |
| PDL0412 | 1/4"   | 12   | 100     |
| PDL0508 | 5/16"  | 8    | 150     |
| PDL0510 | 5/16"  | 10   | 100     |
| PDL0512 | 5/16"  | 12   | 100     |
| PDL0610 | 3/8"   | 10   | 200     |
| PDL0612 | 3/8"   | 12   | 250     |
| PDL0614 | 3/8"   | 14   | 50      |
| PDL0615 | 3/8"   | 15   | 50      |
| PDL0812 | 1/2"   | 12   | 50      |
| PDL0814 | 1/2"   | 14   | 50      |
| PDL0815 | 1/2"   | 15   | 100     |
| PDL0816 | 1/2"   | 16   | 100     |
| PDL0818 | 1/2"   | 18   | 50      |
| PDL1018 | 5/8"   | 18   | 35      |
| PDL1020 | 5/8"   | 20   | 50      |
| PDL1022 | 5/8"   | 22   | 25      |
| PDL1218 | 3/4"   | 18   | 25      |
| PDL1220 | 3/4"   | 20   | 50      |
| PDL1222 | 3/4"   | 22   | 50      |
| PDL1225 | 3/4"   | 25   | 35      |
| PDL1625 | 1"     | 25   | 25      |
| PDL1628 | 1"     | 28   | 25      |
| PDL1630 | 1"     | 30   | 25      |
| PDL2030 | 1.1/4" | 30   | 10      |
| PDL2035 | 1.1/4" | 35   | 10      |
| PDL2038 | 1.1/4" | 38   | 10      |
| PDL2438 | 1.1/2" | 38   | 10      |
| PDL2442 | 1.1/2" | 42   | 10      |



**ESPIGA LISA CODO 90°**

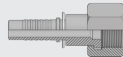
| CÓDIGO   | Ø INCH | Ø MM | Ud/Caja |
|----------|--------|------|---------|
| P90L0306 | 3/16"  | 6    | 100     |
| P90L0406 | 1/4"   | 6    | 150     |
| P90L0408 | 1/4"   | 8    | 150     |
| P90L0510 | 5/16"  | 10   | 150     |
| P90L0612 | 3/8"   | 12   | 100     |
| P90L0815 | 1/2"   | 15   | 100     |
| P90L1018 | 5/8"   | 18   | 25      |
| P90L1628 | 1"     | 28   | 25      |





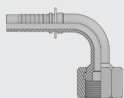
**MACHO ORFS**

| CÓDIGO    | Ø TUBO | Ø ROSCA  | Ud/Caja |
|-----------|--------|----------|---------|
| MORFS0406 | 1/4"   | 9/16"    | 100     |
| MORFS0409 | 1/4"   | 11/16"   | 100     |
| MORFS0509 | 5/16"  | 11/16"   | 50      |
| MORFS0609 | 3/8"   | 11/16"   | 50      |
| MORFS0611 | 3/8"   | 13/16"   | 50      |
| MORFS0613 | 3/8"   | 1"       | 50      |
| MORFS0811 | 1/2"   | 13/16"   | 100     |
| MORFS0813 | 1/2"   | 1"       | 75      |
| MORFS0814 | 1/2"   | 1.3/16"  | 50      |
| MORFS1013 | 5/8"   | 1"       | 50      |
| MORFS1014 | 5/8"   | 1.3/16"  | 35      |
| MORFS1214 | 3/4"   | 1.3/16"  | 35      |
| MORFS1215 | 3/4"   | 1.7/16"  | 25      |
| MORFS1615 | 1"     | 1.7/16"  | 15      |
| MORFS2021 | 1.1/4" | 1.11/16" | 10      |
| MORFS2432 | 1.1/2" | 2"       | 10      |



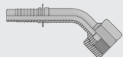
**HEMBRA RECTA ORFS**

| CÓDIGO    | Ø TUBO | Ø ROSCA  | Ud/Caja |
|-----------|--------|----------|---------|
| FORFS0406 | 1/4"   | 9/16"    | 100     |
| FORFS0409 | 1/4"   | 11/16"   | 150     |
| FORFS0509 | 5/16"  | 11/16"   | 150     |
| FORFS0609 | 3/8"   | 11/16"   | 150     |
| FORFS0611 | 3/8"   | 13/16"   | 100     |
| FORFS0811 | 1/2"   | 13/16"   | 100     |
| FORFS0813 | 1/2"   | 1"       | 50      |
| FORFS0814 | 1/2"   | 1.3/16"  | 40      |
| FORFS1013 | 5/8"   | 1"       | 50      |
| FORFS1014 | 5/8"   | 1.3/16"  | 40      |
| FORFS1214 | 3/4"   | 1.3/16"  | 75      |
| FORFS1215 | 3/4"   | 1.7/16"  | 30      |
| FORFS1615 | 1"     | 1.7/16"  | 20      |
| FORFS1621 | 1"     | 1.11/16" | 5       |
| FORFS2021 | 1.1/4" | 1.11/16" | 10      |
| FORFS2432 | 1.1/2" | 2"       | 5       |



**HEMBRA GIRATORIA A 90° ORFS**

| CÓDIGO      | Ø TUBO | Ø ROSCA  | Ud/Caja |
|-------------|--------|----------|---------|
| F90ORFS0406 | 1/4"   | 9/16"    | 100     |
| F90ORFS0409 | 1/4"   | 11/16"   | 50      |
| F90ORFS0509 | 5/16"  | 11/16"   | 50      |
| F90ORFS0609 | 3/8"   | 11/16"   | 50      |
| F90ORFS0611 | 3/8"   | 13/16"   | 35      |
| F90ORFS0811 | 1/2"   | 13/16"   | 50      |
| F90ORFS0813 | 1/2"   | 1"       | 40      |
| F90ORFS0814 | 1/2"   | 1.3/16"  | 30      |
| F90ORFS1013 | 5/8"   | 1"       | 35      |
| F90ORFS1014 | 5/8"   | 1.3/16"  | 25      |
| F90ORFS1214 | 3/4"   | 1.3/16"  | 50      |
| F90ORFS1215 | 3/4"   | 1.7/16"  | 20      |
| F90ORFS1615 | 1"     | 1.7/16"  | 10      |
| F90ORFS2021 | 1.1/4" | 1.11/16" | 5       |
| F90ORFS2432 | 1.1/2" | 2"       | 3       |



**HEMBRA GIRATORIA A 45° ORFS**

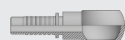
| CÓDIGO      | Ø TUBO | Ø ROSCA  | Ud/Caja |
|-------------|--------|----------|---------|
| F45ORFS0406 | 1/4"   | 9/16"    | 50      |
| F45ORFS0409 | 1/4"   | 11/16"   | 50      |
| F45ORFS0509 | 5/16"  | 11/16"   | 50      |
| F45ORFS0609 | 3/8"   | 11/16"   | 50      |
| F45ORFS0611 | 3/8"   | 13/16"   | 35      |
| F45ORFS0811 | 1/2"   | 13/16"   | 50      |
| F45ORFS0813 | 1/2"   | 1"       | 35      |
| F45ORFS0814 | 1/2"   | 1.3/16"  | 30      |
| F45ORFS1013 | 5/8"   | 1"       | 10      |
| F45ORFS1014 | 5/8"   | 1.3/16"  | 10      |
| F45ORFS1214 | 3/4"   | 1.3/16"  | 20      |
| F45ORFS1215 | 3/4"   | 1.7/16"  | 20      |
| F45ORFS1615 | 1"     | 1.7/16"  | 10      |
| F45ORFS2021 | 1 1/4" | 1.11/16" | 5       |
| F45ORFS2432 | 1 1/2" | 2"       | 5       |



**HEMBRA GIRATORIA A 90° ORFS CODO LARGO**

| CÓDIGO        | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------------|--------|---------|---------|
| F90ORFS0406LD | 1/4"   | 9/16"   | 1       |
| F90ORFS0609LD | 3/8"   | 11/16"  | 1       |
| F90ORFS0611LD | 3/8"   | 13/16"  | 1       |
| F90ORFS0811LD | 1/2"   | 13/16"  | 1       |
| F90ORFS0813LD | 1/2"   | 1"      | 1       |
| F90ORFS1013LD | 5/8"   | 1"      | 1       |
| F90ORFS1014LD | 5/8"   | 1.3/16" | 1       |
| F90ORFS1214LD | 3/4"   | 1.3/16" | 1       |
| F90ORFS1615LD | 1"     | 1.7/16" | 1       |

## ORIENTABLES



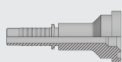
BANJO BSPP

| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja | CÓDIGO INOX |
|--------|--------|---------|---------|-------------|
| OG0302 | 3/16"  | 1/8"    | 100     | X-OG0302    |
| OG0304 | 3/16"  | 1/4"    | 50      | X-OG0304    |
| OG0402 | 1/4"   | 1/8"    | 150     | X-OG0402    |
| OG0404 | 1/4"   | 1/4"    | 200     | X-OG0404    |
| OG0406 | 1/4"   | 3/8"    | 100     | X-OG0406    |
| OG0408 | 1/4"   | 1/2"    | 50      | X-OG0408    |
| OG0504 | 5/16"  | 1/4"    | 150     | X-OG0504    |
| OG0506 | 5/16"  | 3/8"    | 100     | X-OG0506    |
| OG0508 | 5/16"  | 1/2"    | 50      | X-OG0508    |
| OG0604 | 3/8"   | 1/4"    | 150     | X-OG0604    |
| OG0606 | 3/8"   | 3/8"    | 100     | X-OG0606    |
| OG0608 | 3/8"   | 1/2"    | 75      | X-OG0608    |
| OG0806 | 1/2"   | 3/8"    | 75      | X-OG0806    |
| OG0808 | 1/2"   | 1/2"    | 50      | X-OG0808    |
| OG0810 | 1/2"   | 5/8"    | 50      | X-OG0810    |
| OG0812 | 1/2"   | 3/4"    | 25      | X-OG0812    |
| OG1008 | 5/8"   | 1/2"    | 25      | X-OG1008    |
| OG1010 | 5/8"   | 5/8"    | 35      | X-OG1010    |
| OG1012 | 5/8"   | 3/4"    | 25      | X-OG1012    |
| OG1212 | 3/4"   | 3/4"    | 25      | X-OG1212    |
| OG1216 | 3/4"   | 1"      | 10      | X-OG1216    |
| OG1612 | 1"     | 3/4"    | 25      | X-OG1612    |
| OG1616 | 1"     | 1"      | 10      | X-OG1616    |
| OG2020 | 1.1/4" | 1.1/4"  | 5       | X-OG2020    |



BANJO MÉTRICO

| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------|--------|---------|---------|
| OM0310 | 3/16"  | M10X1   | 100     |
| OM0312 | 3/16"  | M12X1.5 | 100     |
| OM0314 | 3/16"  | M14X1.5 | 100     |
| OM0410 | 1/4"   | M10X1   | 150     |
| OM0412 | 1/4"   | M12X1.5 | 100     |
| OM0414 | 1/4"   | M14X1.5 | 200     |
| OM0416 | 1/4"   | M16X1.5 | 100     |
| OM0418 | 1/4"   | M18X1.5 | 100     |
| OM0512 | 5/16"  | M12X1.5 | 100     |
| OM0514 | 5/16"  | M14X1.5 | 150     |
| OM0516 | 5/16"  | M16X1.5 | 100     |
| OM0518 | 5/16"  | M18X1.5 | 75      |
| OM0520 | 5/16"  | M20X1.5 | 75      |
| OM0522 | 5/16"  | M22X1.5 | 75      |
| OM0614 | 3/8"   | M14X1.5 | 150     |
| OM0616 | 3/8"   | M16X1.5 | 100     |
| OM0618 | 3/8"   | M18X1.5 | 75      |
| OM0620 | 3/8"   | M20X1.5 | 50      |
| OM0622 | 3/8"   | M22X1.5 | 50      |
| OM0818 | 1/2"   | M18X1.5 | 50      |
| OM0820 | 1/2"   | M20X1.5 | 50      |
| OM0822 | 1/2"   | M22X1.5 | 50      |
| OM0826 | 1/2"   | M26X1.5 | 25      |
| OM1022 | 5/8"   | M22X1.5 | 50      |
| OM1026 | 5/8"   | M26X1.5 | 25      |
| OM1226 | 3/4"   | M26X1.5 | 25      |
| OM1230 | 3/4"   | M30X1.5 | 15      |
| OM1630 | 1"     | M30X1.5 | 10      |



**BRIDA RECTA 3000 PSI  
(PIEZA UNICA)**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| FDL0808I | 1/2"   | 30.2    | 10      |
| FDL0810I | 1/2"   | 34      | 15      |
| FDL0812I | 1/2"   | 38.1    | 10      |
| FDL1008I | 5/8"   | 30.2    | 10      |
| FDL1010I | 5/8"   | 34      | 10      |
| FDL1012I | 5/8"   | 38.1    | 20      |
| FDL1208I | 3/4"   | 30.2    | 15      |
| FDL1212I | 3/4"   | 38.1    | 25      |
| FDL1216I | 3/4"   | 44.5    | 20      |
| FDL1612I | 1"     | 38.1    | 10      |
| FDL1616I | 1"     | 44.5    | 10      |
| FDL1620I | 1"     | 50.8    | 10      |
| FDL2016I | 1.1/4" | 44.5    | 10      |
| FDL2020I | 1.1/4" | 50.8    | 10      |
| FDL2024I | 1.1/4" | 60.3    | 5       |
| FDL2424I | 1.1/2" | 60.3    | 5       |
| FDL2432I | 1.1/2" | 71.4    | 5       |
| FDL3232I | 2"     | 71.4    | 3       |



**BRIDA A 90° 3000 PSI  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F90L0808I | 1/2"   | 30.2    | 10      |
| F90L0810I | 1/2"   | 34      | 10      |
| F90L0812I | 1/2"   | 38.1    | 10      |
| F90L1008I | 5/8"   | 30.2    | 10      |
| F90L1010I | 5/8"   | 34      | 10      |
| F90L1012I | 5/8"   | 38.1    | 10      |
| F90L1208I | 3/4"   | 30.2    | 10      |
| F90L1212I | 3/4"   | 38.1    | 20      |
| F90L1216I | 3/4"   | 44.5    | 10      |
| F90L1612I | 1"     | 38.1    | 10      |
| F90L1616I | 1"     | 44.5    | 5       |
| F90L1620I | 1"     | 50.8    | 5       |
| F90L2016I | 1.1/4" | 44.5    | 5       |
| F90L2020I | 1.1/4" | 50.8    | 5       |
| F90L2024I | 1.1/4" | 60.3    | 5       |
| F90L2424I | 1.1/2" | 60.3    | 5       |
| F90L2432I | 1.1/2" | 71.4    | 5       |
| F90L3232I | 2"     | 71.4    | 3       |



**BRIDA A 45° 3000 PSI  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F45L0808I | 1/2"   | 30.2    | 10      |
| F45L0810I | 1/2"   | 34      | 10      |
| F45L0812I | 1/2"   | 38.1    | 10      |
| F45L1008I | 5/8"   | 30.2    | 10      |
| F45L1010I | 5/8"   | 34      | 10      |
| F45L1012I | 5/8"   | 38.1    | 10      |
| F45L1208I | 3/4"   | 30.2    | 10      |
| F45L1212I | 3/4"   | 38.1    | 10      |
| F45L1216I | 3/4"   | 44.5    | 5       |
| F45L1612I | 1"     | 38.1    | 5       |
| F45L1616I | 1"     | 44.5    | 10      |
| F45L1620I | 1"     | 50.8    | 10      |
| F45L2016I | 1.1/4" | 44.5    | 5       |
| F45L2020I | 1.1/4" | 50.8    | 5       |
| F45L2024I | 1.1/4" | 60.3    | 5       |
| F45L2424I | 1.1/2" | 60.3    | 5       |
| F45L2432I | 1.1/2" | 71.4    | 5       |
| F45L3232I | 2"     | 71.4    | 5       |



**BRIDA A 90° 3000 PSI  
(PIEZA UNICA)  
CODO LARGO**

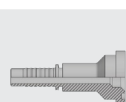
| CÓDIGO      | Ø TUBO | Ø ROSCA | LARGO | Ud/Caja |
|-------------|--------|---------|-------|---------|
| F90L1212ILD | 3/4"   | 3/4"    | 96.8  | 10      |
| F90L1216ILD | 3/4"   | 1"      | 134.5 | 10      |
| F90L1616ILD | 1"     | 1"      | 115.5 | 5       |
| F90L2020ILD | 1.1/4" | 1.1/4"  | 114.2 | 5       |
| F90L2424ILD | 1.1/2" | 1.1/2"  | 131.4 | 5       |



**JUNTA PLANA  
SERIE 3000-6000**

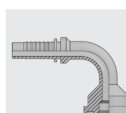
| CÓDIGO   | Ø TUBO |
|----------|--------|
| R1526-8  | 1/2"   |
| R1526-12 | 3/4"   |
| R1526-16 | 1"     |
| R1526-20 | 1.1/4" |
| R1526-24 | 1.1/2" |
| R1526-32 | 2"     |

# BRIDA 6000



**BRIDA RECTA 6000 PSI  
(PIEZA UNICA)**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| FDP0808I | 1/2"   | 31.7    | 10      |
| FDP0812I | 1/2"   | 41.3    | 10      |
| FDP1008I | 5/8"   | 31.7    | 10      |
| FDP1012I | 5/8"   | 41.3    | 20      |
| FDP1208I | 3/4"   | 31.7    | 15      |
| FDP1212I | 3/4"   | 41.3    | 25      |
| FDP1216I | 3/4"   | 47.6    | 15      |
| FDP1612I | 1"     | 41.3    | 10      |
| FDP1616I | 1"     | 47.6    | 10      |
| FDP1620I | 1"     | 54      | 10      |
| FDP2016I | 1.1/4" | 47.6    | 10      |
| FDP2020I | 1.1/4" | 54      | 10      |
| FDP2024I | 1.1/4" | 63.5    | 5       |
| FDP2424I | 1.1/2" | 63.5    | 5       |
| FDP2432I | 1.1/2" | 79.4    | 3       |
| FDP3232I | 2"     | 79.4    | 3       |



**BRIDA A 90° 6000 PSI  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F90P0808I | 1/2"   | 31.7    | 10      |
| F90P0812I | 1/2"   | 41.3    | 10      |
| F90P1008I | 5/8"   | 31.7    | 10      |
| F90P1012I | 5/8"   | 41.3    | 10      |
| F90P1208I | 3/4"   | 31.7    | 10      |
| F90P1212I | 3/4"   | 41.3    | 15      |
| F90P1216I | 3/4"   | 47.6    | 10      |
| F90P1612I | 1"     | 41.3    | 10      |
| F90P1616I | 1"     | 47.6    | 5       |
| F90P1620I | 1"     | 54      | 5       |
| F90P2016I | 1.1/4" | 47.6    | 5       |
| F90P2020I | 1.1/4" | 54      | 10      |
| F90P2024I | 1.1/4" | 63.5    | 5       |
| F90P2424I | 1.1/2" | 63.5    | 5       |
| F90P2432I | 1.1/2" | 79.4    | 5       |
| F90P3232I | 2"     | 79.4    | 3       |



**BRIDA A 45° 6000 PSI  
(PIEZA UNICA)**

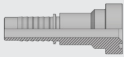
| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F45P0808I | 1/2"   | 31.7    | 10      |
| F45P0812I | 1/2"   | 41.3    | 10      |
| F45P1008I | 5/8"   | 31.7    | 10      |
| F45P1012I | 5/8"   | 41.3    | 10      |
| F45P1208I | 3/4"   | 31.7    | 10      |
| F45P1212I | 3/4"   | 41.3    | 10      |
| F45P1216I | 3/4"   | 47.6    | 5       |
| F45P1612I | 1"     | 41.3    | 5       |
| F45P1616I | 1"     | 47.6    | 5       |
| F45P1620I | 1"     | 54      | 5       |
| F45P2016I | 1.1/4" | 47.6    | 5       |
| F45P2020I | 1.1/4" | 54      | 5       |
| F45P2024I | 1.1/4" | 63.5    | 5       |
| F45P2424I | 1.1/2" | 63.5    | 5       |
| F45P2432I | 1.1/2" | 79.4    | 5       |
| F45P3232I | 2"     | 79.4    | 4       |



**BRIDA A 90° 6000 PSI  
(PIEZA UNICA)  
CODO LARGO**

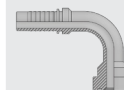
| CÓDIGO      | Ø TUBO | Ø ROSCA | LARGO | Ud/Caja |
|-------------|--------|---------|-------|---------|
| F90P1212ILD | 3/4"   | 3/4"    | 100   | 10      |
| F90P1216ILD | 3/4"   | 1"      | 137   | 5       |
| F90P1616ILD | 1"     | 1"      | 120   | 5       |
| F90P2020ILD | 1.1/4" | 1.1/4"  | 115   | 5       |
| F90P2424ILD | 1.1/2" | 1.1/2"  | 135   | 5       |

# BRIDA SUPERCAT



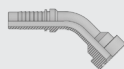
**BRIDA RECTA SUPERCAT  
(PIEZA UNICA)**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| FDS1212I | 3/4"   | 41.3    | 25      |
| FDS1216I | 3/4"   | 47.6    | 15      |
| FDS1616I | 1"     | 47.6    | 10      |
| FDS1620I | 1"     | 54      | 10      |
| FDS2020I | 1.1/4" | 54      | 10      |
| FDS2024I | 1.1/4" | 63.5    | 5       |
| FDS2424I | 1.1/2" | 63.5    | 5       |



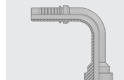
**BRIDA 90° SUPERCAT  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F90S1212I | 3/4"   | 41.3    | 15      |
| F90S1216I | 3/4"   | 47.6    | 10      |
| F90S1616I | 1"     | 47.6    | 5       |
| F90S1620I | 1"     | 54      | 5       |
| F90S2020I | 1.1/4" | 54      | 5       |
| F90S2024I | 1.1/4" | 63.5    | 5       |
| F90S2424I | 1.1/2" | 63.5    | 5       |



**BRIDA 45° SUPERCAT  
(PIEZA UNICA)**

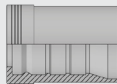
| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| F45S1212I | 3/4"   | 41.3    | 10      |
| F45S1216I | 3/4"   | 47.6    | 5       |
| F45S1616I | 1"     | 47.6    | 10      |
| F45S1620I | 1"     | 54      | 10      |
| F45S2020I | 1.1/4" | 54      | 5       |
| F45S2024I | 1.1/4" | 63.5    | 5       |
| F45S2424I | 1.1/2" | 63.5    | 5       |



**BRIDA 90° SUPERCAT  
(PIEZA UNICA)  
CODO LARGO**

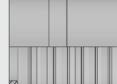
| CÓDIGO      | Ø TUBO | Ø ROSCA | LARGO | Ud/Caja |
|-------------|--------|---------|-------|---------|
| F90S1212ILD | 3/4"   | 3/4"    | 105.4 | 10      |
| F90S1216ILD | 3/4"   | 1"      | 142   | 5       |
| F90S1616ILD | 1"     | 1"      | 124.8 | 5       |
| F90S2020ILD | 1.1/4" | 1.1/4"  | 123   | 5       |
| F90S2424ILD | 1.1/2" | 1.1/2"  | 139   | 5       |

# CASQUILLO INTERLOCK



**INTERLOCK  
CASQUILLO PARA 4SH**

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| KB4SH12 | 3/4"   | 20      | 60      |
| KB4SH16 | 1"     | 25      | 40      |
| KB4SH20 | 1.1/4" | 32      | 25      |
| KB4SH24 | 1.1/2" | 40      | 15      |
| KB4SH32 | 2"     | 50      | 6       |



**INTERLOCK  
CASQUILLO PARA R13/R15**

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| KBH1320 | 1.1/4" | 32      | 20      |
| KBH1324 | 1.1/2" | 40      | 15      |
| KBH1332 | 2"     | 50      | 5       |



**INTERLOCK  
MACHO NPTF CONO 60°**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KMNPTF1212 | 3/4"   | 3/4"    | 10      |
| KMNPTF1216 | 3/4"   | 1"      | 10      |
| KMNPTF1616 | 1"     | 1"      | 10      |
| KMNPTF1620 | 1"     | 1.1/4"  | 5       |
| KMNPTF2020 | 1.1/4" | 1.1/4"  | 5       |
| KMNPTF2024 | 1.1/4" | 1.1/2"  | 5       |
| KMNPTF2424 | 1.1/2" | 1.1/2"  | 5       |
| KMNPTF3232 | 2"     | 2"      | 4       |



**INTERLOCK  
MACHO BSPT CONO 60°**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| KMGK1212 | 3/4"   | 3/4"    | 10      |
| KMGK1616 | 1"     | 1"      | 10      |
| KMGK2020 | 1.1/4" | 1.1/4"  | 10      |
| KMGK2424 | 1.1/2" | 1.1/2"  | 10      |
| KMGK3232 | 2"     | 2"      | 4       |

# BSP INTERLOCK



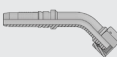
**INTERLOCK  
HEMBRA RECTA BSPP  
CON O-RING CONO 60°  
(TUERCA CON SEGURO)**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| KFDG1212 | 3/4"   | 3/4"    | 10      |
| KFDG1616 | 1"     | 1"      | 10      |
| KFDG1620 | 1"     | 1.1/4"  | 10      |
| KFDG2020 | 1.1/4" | 1.1/4"  | 10      |
| KFDG2424 | 1.1/2" | 1.1/2"  | 5       |
| KFDG3232 | 2"     | 2"      | 4       |



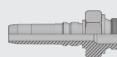
**INTERLOCK  
HEMBRA BSPP A 90°  
CON O-RING CONO 60°  
(TUERCA CON SEGURO)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KF90G1212 | 3/4"   | 3/4"    | 10      |
| KF90G1616 | 1"     | 1"      | 5       |
| KF90G1620 | 1"     | 1.1/4"  | 5       |
| KF90G2020 | 1.1/4" | 1.1/4"  | 5       |
| KF90G2424 | 1.1/2" | 1.1/2"  | 5       |
| KF90G3232 | 2"     | 2"      | 3       |



**INTERLOCK  
HEMBRA BSPP A 45°  
CON O-RING CONO 60°  
(TUERCA CON SEGURO)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KF45G1212 | 3/4"   | 3/4"    | 10      |
| KF45G1616 | 1"     | 1"      | 10      |
| KF45G1620 | 1"     | 1.1/4"  | 5       |
| KF45G2020 | 1.1/4" | 1.1/4"  | 5       |
| KF45G2424 | 1.1/2" | 1.1/2"  | 5       |
| KF45G3232 | 2"     | 2"      | 3       |



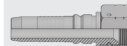
**INTERLOCK  
MACHO BSPP CONO 60°**

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| KMG1212 | 3/4"   | 3/4"    | 10      |
| KMG1616 | 1"     | 1"      | 10      |
| KMG1620 | 1"     | 1.1/4"  | 10      |
| KMG2020 | 1.1/4" | 1.1/4"  | 10      |
| KMG2424 | 1.1/2" | 1.1/2"  | 5       |
| KMG3232 | 2"     | 2"      | 4       |



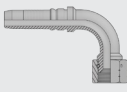
**INTERLOCK  
MACHO JIC CONO 37°**

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| KMJ1212 | 3/4"   | 1.1/16" | 10      |
| KMJ1214 | 3/4"   | 1.3/16" | 10      |
| KMJ1216 | 3/4"   | 1.5/16" | 10      |
| KMJ1616 | 1"     | 1.5/16" | 10      |
| KMJ1620 | 1"     | 1.5/8"  | 10      |
| KMJ2020 | 1.1/4" | 1.5/8"  | 10      |
| KMJ2024 | 1.1/4" | 1.7/8"  | 5       |
| KMJ2424 | 1.1/2" | 1.7/8"  | 5       |
| KMJ3232 | 2"     | 2.1/2"  | 4       |



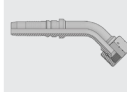
**INTERLOCK  
HEMBRA RECTA JIC  
ASIENTO 37°  
(TUERCA CON SEGURO)**

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| KFDJ1212 | 3/4"   | 1.1/16" | 10      |
| KFDJ1214 | 3/4"   | 1.3/16" | 10      |
| KFDJ1216 | 3/4"   | 1.5/16" | 10      |
| KFDJ1616 | 1"     | 1.5/16" | 10      |
| KFDJ1620 | 1"     | 1.5/8"  | 10      |
| KFDJ2020 | 1.1/4" | 1.5/8"  | 10      |
| KFDJ2024 | 1.1/4" | 1.7/8"  | 5       |
| KFDJ2424 | 1.1/2" | 1.7/8"  | 5       |
| KFDJ3232 | 2"     | 2.1/2"  | 4       |



**INTERLOCK  
HEMBRA JIC A 90° CONO 37°  
(TUERCA CON SEGURO)**

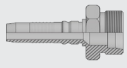
| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KF90J1212 | 3/4"   | 1.1/16" | 10      |
| KF90J1214 | 3/4"   | 1.3/16" | 10      |
| KF90J1216 | 3/4"   | 1.5/16" | 10      |
| KF90J1616 | 1"     | 1.5/16" | 10      |
| KF90J1620 | 1"     | 1.5/8"  | 5       |
| KF90J2020 | 1.1/4" | 1.5/8"  | 5       |
| KF90J2024 | 1.1/4" | 1.7/8"  | 5       |
| KF90J2424 | 1.1/2" | 1.7/8"  | 5       |
| KF90J3232 | 2"     | 2.1/2"  | 3       |



**INTERLOCK  
HEMBRA JIC A 45° CONO 37°  
(TUERCA CON SEGURO)**

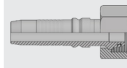
| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KF45J1212 | 3/4"   | 1.1/16" | 10      |
| KF45J1214 | 3/4"   | 1.3/16" | 10      |
| KF45J1216 | 3/4"   | 1.5/16" | 10      |
| KF45J1616 | 1"     | 1.5/16" | 10      |
| KF45J1620 | 1"     | 1.5/8"  | 5       |
| KF45J2020 | 1.1/4" | 1.5/8"  | 5       |
| KF45J2024 | 1.1/4" | 1.7/8"  | 5       |
| KF45J2424 | 1.1/2" | 1.7/8"  | 5       |
| KF45J3232 | 2"     | 2.1/2"  | 4       |

## MÉTRICO SERIE S INTERLOCK



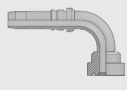
**INTERLOCK  
MACHO MÉTRICO  
CONO 24° SERIE S**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KME1230S20 | 3/4"   | M30X2   | 10      |
| KME1236S25 | 3/4"   | M36X2   | 10      |
| KME1636S25 | 1"     | M36X2   | 10      |
| KME1642S30 | 1"     | M42X2   | 10      |
| KME2042S30 | 1.1/4" | M42X2   | 10      |
| KME2052S38 | 1.1/4" | M52X2   | 10      |
| KME2452S38 | 1.1/2" | M52X2   | 5       |



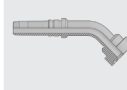
**INTERLOCK  
HEMBRA RECTA MÉTRICA  
CON O-RING CONO 24°  
SERIE S**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KFE1230S20 | 3/4"   | M30X2   | 10      |
| KFE1236S25 | 3/4"   | M36X2   | 10      |
| KFE1636S25 | 1"     | M36X2   | 10      |
| KFE1642S30 | 1"     | M42X2   | 10      |
| KFE2042S30 | 1.1/4" | M42X2   | 10      |
| KFE2052S38 | 1.1/4" | M52X2   | 5       |
| KFE2452S38 | 1.1/2" | M52X2   | 5       |



**INTERLOCK  
HEMBRA MÉTRICA A 90°  
CON O-RING CONO 24°  
SERIE S**

| CÓDIGO       | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------------|--------|---------|---------|
| KF90E1230S20 | 3/4"   | M30X2   | 10      |
| KF90E1236S25 | 3/4"   | M36X2   | 10      |
| KF90E1636S25 | 1"     | M36X2   | 10      |
| KF90E1642S30 | 1"     | M42X2   | 5       |
| KF90E2042S30 | 1.1/4" | M42X2   | 5       |
| KF90E2052S38 | 1.1/4" | M52X2   | 5       |
| KF90E2452S38 | 1.1/2" | M52X2   | 5       |



**INTERLOCK  
HEMBRA MÉTRICA A 45°  
CON O-RING CONO 24°  
SERIE S**

| CÓDIGO       | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------------|--------|---------|---------|
| KF45E1230S20 | 3/4"   | M30X2   | 10      |
| KF45E1236S25 | 3/4"   | M36X2   | 10      |
| KF45E1636S25 | 1"     | M36X2   | 10      |
| KF45E1642S30 | 1"     | M42X2   | 10      |
| KF45E2042S30 | 1.1/4" | M42X2   | 5       |
| KF45E2052S38 | 1.1/4" | M52X2   | 5       |
| KF45E2452S38 | 1.1/2" | M52X2   | 5       |

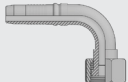


# ORFS INTERLOCK



**INTERLOCK  
HEMBRA RECTA ORFS**

| CÓDIGO     | Ø TUBO | Ø ROSCA  | Ud/Caja |
|------------|--------|----------|---------|
| KFORFS1014 | 5/8"   | 1.3/16"  | 10      |
| KFORFS1214 | 3/4"   | 1.3/16"  | 10      |
| KFORFS1215 | 3/4"   | 1.7/16"  | 10      |
| KFORFS1615 | 1"     | 1.7/16"  | 5       |
| KFORFS1621 | 1"     | 1.11/16" | 5       |
| KFORFS2021 | 1.1/4" | 1.11/16" | 10      |



**INTERLOCK  
HEMBRA ORFS CODO A 90°**

| CÓDIGO       | Ø TUBO | Ø ROSCA  | Ud/Caja |
|--------------|--------|----------|---------|
| KF90ORFS1014 | 5/8"   | 1.3/16"  | 10      |
| KF90ORFS1214 | 3/4"   | 1.3/16"  | 10      |
| KF90ORFS1215 | 3/4"   | 1.7/16"  | 10      |
| KF90ORFS1615 | 1"     | 1.7/16"  | 10      |
| KF90ORFS1621 | 1"     | 1.11/16" | 5       |
| KF90ORFS2021 | 1 1/4" | 1.11/16" | 5       |



**INTERLOCK  
HEMBRA ORFS CODO A 45°**

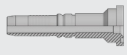
| CÓDIGO       | Ø TUBO | Ø ROSCA  | Ud/Caja |
|--------------|--------|----------|---------|
| KF45ORFS1014 | 5/8"   | 1.3/16"  | 10      |
| KF45ORFS1214 | 3/4"   | 1.3/16"  | 10      |
| KF45ORFS1215 | 3/4"   | 1.7/16"  | 10      |
| KF45ORFS1615 | 1"     | 1.7/16"  | 10      |
| KF45ORFS1621 | 1"     | 1.11/16" | 5       |
| KF45ORFS2021 | 1.1/4" | 1.11/16" | 5       |



**INTERLOCK  
HEMBRA ORFS CODO A 90°  
CODO LARGO**

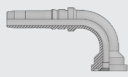
| CÓDIGO         | Ø TUBO | Ø ROSCA  | LARGO | Ud/Caja |
|----------------|--------|----------|-------|---------|
| KF90ORFS1214LD | 3/4"   | 1.3/16"  | 96    | 1       |
| KF90ORFS1615LD | 1"     | 1.7/16"  | 113   | 1       |
| KF90ORFS2021LD | 1.1/4" | 1.11/16" | 130   | 1       |

# BRIDA 3000 INTERLOCK



**INTERLOCK  
BRIDA RECTA 3000 PSI  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KFDL1212I | 3/4"   | 38.1    | 10      |
| KFDL1216I | 3/4"   | 44.5    | 10      |
| KFDL1612I | 1"     | 38.1    | 10      |
| KFDL1616I | 1"     | 44.5    | 10      |
| KFDL1620I | 1"     | 50.8    | 10      |
| KFDL2020I | 1.1/4" | 50.8    | 10      |
| KFDL2024I | 1.1/4" | 60.3    | 5       |
| KFDL2424I | 1.1/2" | 60.3    | 5       |
| KFDL2432I | 1.1/2" | 71.4    | 5       |
| KFDL3232I | 2"     | 71.4    | 4       |



**INTERLOCK  
BRIDA A 90° 3000 PSI  
(PIEZA UNICA)**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KF90L1212I | 3/4"   | 38.1    | 10      |
| KF90L1216I | 3/4"   | 44.5    | 10      |
| KF90L1612I | 1"     | 38.1    | 10      |
| KF90L1616I | 1"     | 44.5    | 10      |
| KF90L1620I | 1"     | 50.8    | 5       |
| KF90L2020I | 1.1/4" | 50.8    | 10      |
| KF90L2024I | 1.1/4" | 60.3    | 5       |
| KF90L2424I | 1.1/2" | 60.3    | 5       |
| KF90L2432I | 1.1/2" | 71.4    | 5       |
| KF90L3232I | 2"     | 71.4    | 3       |



**INTERLOCK  
BRIDA A 45° 3000 PSI  
(PIEZA UNICA)**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KF45L1212I | 3/4"   | 38.1    | 10      |
| KF45L1216I | 3/4"   | 44.5    | 10      |
| KF45L1612I | 1"     | 38.1    | 10      |
| KF45L1616I | 1"     | 44.5    | 10      |
| KF45L1620I | 1"     | 50.8    | 5       |
| KF45L2020I | 1.1/4" | 50.8    | 5       |
| KF45L2024I | 1.1/4" | 60.3    | 5       |
| KF45L2424I | 1.1/2" | 60.3    | 5       |
| KF45L2432I | 1.1/2" | 71.4    | 5       |
| KF45L3232I | 2"     | 71.4    | 5       |



**INTERLOCK  
BRIDA A 90° 3000 PSI  
(PIEZA UNICA)  
CODO LARGO**

| CÓDIGO       | Ø TUBO | Ø ROSCA | LARGO | Ud/Caja |
|--------------|--------|---------|-------|---------|
| KF90L1212ILD | 3/4"   | 38.1    | 96.8  | 5       |
| KF90L1216ILD | 3/4"   | 44.5    | 135.5 | 10      |
| KF90L1616ILD | 1"     | 44.5    | 115.5 | 5       |
| KF90L2020ILD | 1.1/4" | 50.8    | 115.2 | 10      |
| KF90L2424ILD | 1.1/2" | 60.3    | 131.4 | 5       |

# BRIDA 6000 INTERLOCK



**INTERLOCK  
BRIDA RECTA 6000 PSI  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KFDP1212I | 3/4"   | 41.3    | 10      |
| KFDP1216I | 3/4"   | 47.6    | 10      |
| KFDP1612I | 1"     | 41.3    | 10      |
| KFDP1616I | 1"     | 47.6    | 10      |
| KFDP1620I | 1"     | 54      | 10      |
| KFDP2020I | 1.1/4" | 54      | 5       |
| KFDP2024I | 1.1/4" | 63.5    | 5       |
| KFDP2424I | 1.1/2" | 63.5    | 5       |
| KFDP2432I | 1.1/2" | 79.4    | 4       |
| KFDP3232I | 2"     | 79.4    | 4       |



**INTERLOCK  
BRIDA A 90° 6000 PSI  
(PIEZA UNICA)**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KF90P1212I | 3/4"   | 41.3    | 10      |
| KF90P1216I | 3/4"   | 47.6    | 10      |
| KF90P1612I | 1"     | 41.3    | 5       |
| KF90P1616I | 1"     | 47.6    | 5       |
| KF90P1620I | 1"     | 54      | 5       |
| KF90P2020I | 1.1/4" | 54      | 10      |
| KF90P2024I | 1.1/4" | 63.5    | 5       |
| KF90P2424I | 1.1/2" | 63.5    | 5       |
| KF90P2432I | 1.1/2" | 79.4    | 4       |
| KF90P3232I | 2"     | 79.4    | 3       |



**INTERLOCK  
BRIDA A 45° 6000 PSI  
(PIEZA UNICA)**

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KF45P1212I | 3/4"   | 41.3    | 10      |
| KF45P1216I | 3/4"   | 47.6    | 10      |
| KF45P1612I | 1"     | 41.3    | 5       |
| KF45P1616I | 1"     | 47.6    | 10      |
| KF45P1620I | 1"     | 54      | 5       |
| KF45P2020I | 1.1/4" | 54      | 5       |
| KF45P2024I | 1.1/4" | 63.5    | 5       |
| KF45P2424I | 1.1/2" | 63.5    | 5       |
| KF45P2432I | 1.1/2" | 79.4    | 5       |
| KF45P3232I | 2"     | 79.4    | 3       |



**INTERLOCK  
BRIDA A 90° 6000 PSI  
(PIEZA UNICA)  
CODO LARGO**

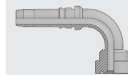
| CÓDIGO       | Ø TUBO | Ø ROSCA | LARGO | Ud/Caja |
|--------------|--------|---------|-------|---------|
| KF90P1212ILD | 3/4"   | 41.3    | 100   | 1       |
| KF90P1216ILD | 3/4"   | 47.6    | 137   | 1       |
| KF90P1616ILD | 1"     | 47.6    | 120   | 1       |
| KF90P2020ILD | 1.1/4" | 54      | 115   | 1       |
| KF90P2424ILD | 1.1/2" | 63.5    | 135   | 5       |

# BRIDA SUPERCAT INTERLOCK



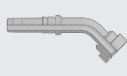
**INTERLOCK  
BRIDA RECTA SUPERCAT  
(PIEZA UNICA)**

| CÓDIGO    | Ø TUBO | Ø ROSCA | Ud/Caja |
|-----------|--------|---------|---------|
| KFDS1212I | 3/4"   | 41.3    | 10      |
| KFDS1216I | 3/4"   | 47.6    | 10      |
| KFDS1616I | 1"     | 47.6    | 10      |
| KFDS1620I | 1"     | 54      | 10      |
| KFDS2020I | 1.1/4" | 54      | 5       |
| KFDS2024I | 1.1/4" | 63.5    | 5       |
| KFDS2424I | 1.1/2" | 63.5    | 5       |



**INTERLOCK  
BRIDA 90° SUPERCAT  
(PIEZA UNICA)**

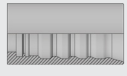
| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KF90S1212I | 3/4"   | 41.3    | 10      |
| KF90S1216I | 3/4"   | 47.6    | 10      |
| KF90S1616I | 1"     | 47.6    | 5       |
| KF90S1620I | 1"     | 54      | 5       |
| KF90S2020I | 1.1/4" | 54      | 10      |
| KF90S2024I | 1.1/4" | 63.5    | 5       |
| KF90S2424I | 1.1/2" | 63.5    | 5       |



**INTERLOCK  
BRIDA 45° SUPERCAT  
(PIEZA UNICA)**

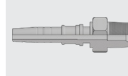
| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| KF45S1212I | 3/4"   | 41.3    | 10      |
| KF45S1216I | 3/4"   | 47.6    | 10      |
| KF45S1616I | 1"     | 47.6    | 10      |
| KF45S1620I | 1"     | 54      | 5       |
| KF45S2020I | 1.1/4" | 54      | 5       |
| KF45S2024I | 1.1/4" | 63.5    | 5       |
| KF45S2424I | 1.1/2" | 63.5    | 5       |

# WATERBLAST INTERLOCK



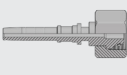
**INTERLOCK  
CASQUILLO PARA WATER-  
BLAST  
(4 ESPIRALES)**

| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------|--------|---------|---------|
| WB4-06 | 3/8"   | 9.5     | 10      |
| WB4-08 | 1/2"   | 12.8    | 10      |
| WB4-12 | 3/4"   | 19      | 10      |



**INTERLOCK  
MACHO NPTF CONO 60°  
PARA WATERBLAST**

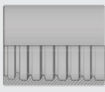
| CÓDIGO       | Ø TUBO | Ø DIAM | Ud/Caja |
|--------------|--------|--------|---------|
| KMNPTF0606WB | 3/8"   | 9.5    | 10      |
| KMNPTF0808WB | 1/2"   | 12.8   | 10      |
| KMNPTF1212WB | 3/4"   | 19     | 10      |



**INTERLOCK  
HEMBRA MÉTRICA CONO 24°  
SERIE S PARA WATERBLAST**

| CÓDIGO       | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------------|--------|---------|---------|
| KFE0622S14WB | 3/8"   | M22X1.5 | 10      |
| KFE0624S16WB | 3/8"   | M24X1.5 | 10      |
| KFE0824S16WB | 1/2"   | M24X1.5 | 10      |
| KFE1236S25WB | 3/4"   | M36X2   | 10      |

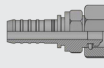
# CASQUILLO HYPERSPIRAL

|  <p><b>HYPERSPIRAL<br/>CASQUILLO PARA<br/>4SH - R13 - R15</b></p> |        |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
| CÓDIGO                                                                                                                                             | Ø INCH | Ø MM |
| HB4NS06                                                                                                                                            | 3/8"   | 6    |
| HB4NS08                                                                                                                                            | 1/2"   | 8    |
| HB4NS10                                                                                                                                            | 5/8"   | 10   |
| HB4NS12                                                                                                                                            | 3/4"   | 12   |
| HB4NS16                                                                                                                                            | 1"     | 16   |
| HB4NS20                                                                                                                                            | 1.1/4" | 20   |
| *HB6NS20                                                                                                                                           | 1.1/4" | 20   |

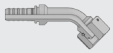
\* Para tubo 4SP - R13 - R15

# BSP HYPERSPIRAL

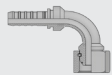
|  <p><b>HYPERSPIRAL<br/>MACHO FIJO<br/>BSPP CONO 60°</b></p> |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                         | Ø TUBO | Ø ROSCA |
| HMG0606                                                                                                                                        | 3/8"   | 3/8"    |
| HMG0608                                                                                                                                        | 3/8"   | 1/2"    |
| HMG0806                                                                                                                                        | 1/2"   | 3/8"    |
| HMG0808                                                                                                                                        | 1/2"   | 1/2"    |
| HMG0810                                                                                                                                        | 1/2"   | 5/8"    |
| HMG0812                                                                                                                                        | 1/2"   | 3/4"    |
| HMG1010                                                                                                                                        | 5/8"   | 5/8"    |
| HMG1012                                                                                                                                        | 5/8"   | 3/4"    |
| HMG1016                                                                                                                                        | 5/8"   | 1"      |
| HMG1208                                                                                                                                        | 3/4"   | 1/2"    |
| HMG1210                                                                                                                                        | 3/4"   | 5/8"    |
| HMG1212                                                                                                                                        | 3/4"   | 3/4"    |
| HMG1216                                                                                                                                        | 3/4"   | 1"      |
| HMG1612                                                                                                                                        | 1"     | 3/4"    |
| HMG1616                                                                                                                                        | 1"     | 1"      |
| HMG1620                                                                                                                                        | 1"     | 1.1/4"  |
| HMG2020                                                                                                                                        | 1.1/4" | 1.1/4"  |
| HMG2024                                                                                                                                        | 1.1/4" | 1.1/2"  |

|  <p><b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>RECTA BSPP CONO<br/>60°</b></p> |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                          | Ø TUBO | Ø ROSCA |
| *HFDG0606SP                                                                                                                                                     | 3/8"   | 3/8"    |
| *HFDG0608SP                                                                                                                                                     | 3/8"   | 1/2"    |
| *HFDG0806SP                                                                                                                                                     | 1/2"   | 3/8"    |
| *HFDG0808SP                                                                                                                                                     | 1/2"   | 1/2"    |
| *HFDG0810SP                                                                                                                                                     | 1/2"   | 5/8"    |
| HFDG0812SP                                                                                                                                                      | 1/2"   | 3/4"    |
| *HFDG1008SP                                                                                                                                                     | 5/8"   | 1/2"    |
| HFDG1010SP                                                                                                                                                      | 5/8"   | 5/8"    |
| HFDG1012SP                                                                                                                                                      | 5/8"   | 3/4"    |
| *HFDG1208SP                                                                                                                                                     | 3/4"   | 1/2"    |
| HFDG1212SP                                                                                                                                                      | 3/4"   | 3/4"    |
| HFDG1216SP                                                                                                                                                      | 3/4"   | 1"      |
| HFDG1612SP                                                                                                                                                      | 1"     | 3/4"    |
| HFDG1616SP                                                                                                                                                      | 1"     | 1"      |
| HFDG1620SP                                                                                                                                                      | 1"     | 1.1/4"  |
| HFDG2020SP                                                                                                                                                      | 1.1/4" | 1.1/4"  |
| HFDG2024SP                                                                                                                                                      | 1.1/4" | 1.1/2"  |

\*Sin o-ring.

|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>BSPP CONO 45°</b> |        |         |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                      | Ø TUBO | Ø ROSCA |
| *HF45G0606SP                                                                                                                                | 3/8"   | 3/8"    |
| *HF45G0608SP                                                                                                                                | 3/8"   | 1/2"    |
| *HF45G0806SP                                                                                                                                | 1/2"   | 3/4"    |
| *HF45G0808SP                                                                                                                                | 1/2"   | 1/2"    |
| HF45G0812SP                                                                                                                                 | 1/2"   | 3/4"    |
| *HF45G1008SP                                                                                                                                | 5/8"   | 1/2"    |
| HF45G1012SP                                                                                                                                 | 5/8"   | 3/4"    |
| *HF45G1208SP                                                                                                                                | 3/4"   | 1/2"    |
| HF45G1212SP                                                                                                                                 | 3/4"   | 3/4"    |
| HF45G1216SP                                                                                                                                 | 3/4"   | 1"      |
| HF45G1612SP                                                                                                                                 | 1"     | 3/4"    |
| HF45G1616SP                                                                                                                                 | 1"     | 1"      |
| HF45G1620SP                                                                                                                                 | 1"     | 1.1/4"  |
| HF45G2020SP                                                                                                                                 | 1.1/4" | 1.1/4"  |
| HF45G2024SP                                                                                                                                 | 1.1/4" | 1.1/2"  |

\*Sin o-ring.

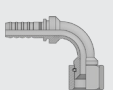
|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>RECTA BSPP<br/>CONO 90°</b> |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                 | Ø TUBO | Ø ROSCA |
| *HF90G0606SP                                                                                                                                           | 3/8"   | 3/8"    |
| *HF90G0608SP                                                                                                                                           | 3/8"   | 1/2"    |
| *HF90G0806SP                                                                                                                                           | 1/2"   | 3/8"    |
| *HF90G0808SP                                                                                                                                           | 1/2"   | 1/2"    |
| HF90G0812SP                                                                                                                                            | 1/2"   | 3/4"    |
| *HF90G1008SP                                                                                                                                           | 5/8"   | 1/2"    |
| HF90G1012SP                                                                                                                                            | 5/8"   | 3/4"    |
| *HF90G1208SP                                                                                                                                           | 3/4"   | 1/2"    |
| HF90G1212SP                                                                                                                                            | 3/4"   | 3/4"    |
| HF90G1216SP                                                                                                                                            | 3/4"   | 1"      |
| HF90G1612SP                                                                                                                                            | 1"     | 3/4"    |
| HF90G1616SP                                                                                                                                            | 1"     | 1"      |
| HF90G1620SP                                                                                                                                            | 1"     | 1.1/4"  |
| HF90G2020SP                                                                                                                                            | 1.1/4" | 1.1/4"  |
| HF90G2024SP                                                                                                                                            | 1.1/4" | 1.1/2"  |

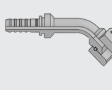
\*Sin o-ring.

## JIC HYPERSPIRAL

|  <b>HYPERSPIRAL<br/>MACHO JIC<br/>BSPP CONO 37°</b> |        |         |
|----------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                 | Ø TUBO | Ø ROSCA |
| HMJ0606                                                                                                                                | 3/8"   | 9/16"   |
| HMJ0608                                                                                                                                | 3/8"   | 3/4"    |
| HMJ0610                                                                                                                                | 3/8"   | 7/8"    |
| HMJ0808                                                                                                                                | 1/2"   | 3/4"    |
| HMJ0810                                                                                                                                | 1/2"   | 7/8"    |
| HMJ1010                                                                                                                                | 5/8"   | 7/8"    |
| HMJ1012                                                                                                                                | 5/8"   | 1.1/16" |
| HMJ1210                                                                                                                                | 3/4"   | 7/8"    |
| HMJ1212                                                                                                                                | 3/4"   | 1.1/16" |
| HMJ1214                                                                                                                                | 3/4"   | 1.3/16" |
| HMJ1216                                                                                                                                | 3/4"   | 1.5/16" |
| HMJ1612                                                                                                                                | 1"     | 1.1/16" |
| HMJ1616                                                                                                                                | 1"     | 1.5/16" |
| HMJ1620                                                                                                                                | 1"     | 1.5/8"  |
| HMJ2020                                                                                                                                | 1.1/4" | 1.5/8"  |
| HMJ2024                                                                                                                                | 1.1/4" | 1.7/8"  |

|  <b>HYPERSPIRAL<br/>HEMBRA<br/>GIRATORIA JIC<br/>BSPP CONO 37°</b> |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                 | Ø TUBO | Ø ROSCA |
| HFDJ0606SP                                                                                                                                             | 3/8"   | 9/16"   |
| HFDJ0608SP                                                                                                                                             | 3/8"   | 3/4"    |
| HFDJ0610SP                                                                                                                                             | 3/8"   | 7/8"    |
| HFDJ0808SP                                                                                                                                             | 1/2"   | 3/4"    |
| HFDJ0810SP                                                                                                                                             | 1/2"   | 7/8"    |
| HFDJ0812SP                                                                                                                                             | 1/2"   | 1.1/16" |
| HFDJ1010SP                                                                                                                                             | 5/8"   | 7/8"    |
| HFDJ1012SP                                                                                                                                             | 5/8"   | 1.1/16" |
| HFDJ1210SP                                                                                                                                             | 3/4"   | 7/8"    |
| HFDJ1212SP                                                                                                                                             | 3/4"   | 1.1/16" |
| HFDJ1216SP                                                                                                                                             | 3/4"   | 1.5/16" |
| HFDJ1612SP                                                                                                                                             | 1"     | 1.1/16" |
| HFDJ1616SP                                                                                                                                             | 1"     | 1.5/16" |
| HFDJ1620SP                                                                                                                                             | 1"     | 1.5/8"  |
| HFDJ2016SP                                                                                                                                             | 1.1/4" | 1.5/16" |
| HFDJ2020SP                                                                                                                                             | 1.1/4" | 1.5/8"  |
| HFDJ2024SP                                                                                                                                             | 1.1/4" | 1.7/8"  |

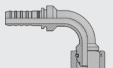
|  <b>HYPERSPIRAL<br/>HEMBRA<br/>GIRATORIA JIC<br/>CODO 90° BSPP<br/>CONO 37°</b> |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                           | Ø TUBO | Ø ROSCA |
| HF90J0606SP                                                                                                                                                      | 3/8"   | 9/16"   |
| HF90J0608SP                                                                                                                                                      | 3/8"   | 3/4"    |
| HF90J0610SP                                                                                                                                                      | 3/8"   | 7/8"    |
| HF90J0808SP                                                                                                                                                      | 1/2"   | 3/4"    |
| HF90J0810SP                                                                                                                                                      | 1/2"   | 7/8"    |
| HF90J0812SP                                                                                                                                                      | 1/2"   | 1.1/16" |
| HF90J1010SP                                                                                                                                                      | 5/8"   | 7/8"    |
| HF90J1012SP                                                                                                                                                      | 5/8"   | 1.1/16" |
| HF90J1210SP                                                                                                                                                      | 3/4"   | 7/8"    |
| HF90J1212SP                                                                                                                                                      | 3/4"   | 1.1/16" |
| HF90J1216SP                                                                                                                                                      | 3/4"   | 1.5/16" |
| HF90J1612SP                                                                                                                                                      | 1"     | 1.1/16" |
| HF90J1616SP                                                                                                                                                      | 1"     | 1.5/16" |
| HF90J1620SP                                                                                                                                                      | 1"     | 1.5/8"  |
| HF90J2020SP                                                                                                                                                      | 1.1/4" | 1.5/8"  |
| HF90J2024SP                                                                                                                                                      | 1.1/4" | 1.7/8"  |

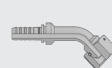
|  <b>HYPERSPIRAL<br/>HEMBRA<br/>GIRATORIA JIC<br/>CODO 45° BSPP<br/>CONO 37°</b> |        |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                            | Ø TUBO | Ø ROSCA |
| HF45J0606SP                                                                                                                                                       | 3/8"   | 9/16"   |
| HF45J0608SP                                                                                                                                                       | 3/8"   | 3/4"    |
| HF45J0610SP                                                                                                                                                       | 3/8"   | 7/8"    |
| HF45J0808SP                                                                                                                                                       | 1/2"   | 3/4"    |
| HF45J0810SP                                                                                                                                                       | 1/2"   | 7/8"    |
| HF45J0812SP                                                                                                                                                       | 1/2"   | 1.1/16" |
| HF45J1010SP                                                                                                                                                       | 5/8"   | 7/8"    |
| HF45J1012SP                                                                                                                                                       | 5/8"   | 1.1/16" |
| HF45J1210SP                                                                                                                                                       | 3/4"   | 7/8"    |
| HF45J1212SP                                                                                                                                                       | 3/4"   | 1.1/16" |
| HF45J1216SP                                                                                                                                                       | 3/4"   | 1.5/16" |
| HF45J1612SP                                                                                                                                                       | 1"     | 1.1/16" |
| HF45J1616SP                                                                                                                                                       | 1"     | 1.5/16" |
| HF45J1620SP                                                                                                                                                       | 1"     | 1.5/8"  |
| HF45J2020SP                                                                                                                                                       | 1.1/4" | 1.5/8"  |
| HF45J2024SP                                                                                                                                                       | 1.1/4" | 1.7/8"  |

## MÉTRICO SERIE L HYPERSPIRAL

|  <b>HYPERSPIRAL<br/>MACHO MÉTRICO<br/>CONO 24° SERIE L</b> |        |         |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                       | Ø TUBO | Ø ROSCA |
| HME0616L10                                                                                                                                   | 3/8"   | M16X1.5 |
| HME0618L12                                                                                                                                   | 3/8"   | M18X1.5 |
| HME0622L15                                                                                                                                   | 3/8"   | M22X1.5 |
| HME0818L12                                                                                                                                   | 1/2"   | M18X1.5 |
| HME0822L15                                                                                                                                   | 1/2"   | M22X1.5 |
| HME0826L18                                                                                                                                   | 1/2"   | M26X1.5 |
| HME1026L18                                                                                                                                   | 5/8"   | M26X1.5 |
| HME1030L22                                                                                                                                   | 5/8"   | M30X2   |
| HME1226L18                                                                                                                                   | 3/4"   | M26X1.5 |
| HME1230L22                                                                                                                                   | 3/4"   | M30X2   |
| HME1636L28                                                                                                                                   | 1"     | M36X2   |
| HME2045L35                                                                                                                                   | 1.1/4" | M45X2   |

|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>MÉTRICO<br/>CONO 24° SERIE L</b> |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                       | Ø TUBO | Ø ROSCA |
| HFE0616L10                                                                                                                                                   | 3/8"   | M16X1.5 |
| HFE0618L12                                                                                                                                                   | 3/8"   | M18X1.5 |
| HFE0622L15                                                                                                                                                   | 3/8"   | M18X1.5 |
| HFE0818L12                                                                                                                                                   | 1/2"   | M18X1.5 |
| HFE0822L15                                                                                                                                                   | 1/2"   | M22X1.5 |
| HFE0826L18                                                                                                                                                   | 1/2"   | M26X1.5 |
| HFE1026L18                                                                                                                                                   | 5/8"   | M26X1.5 |
| HFE1030L22                                                                                                                                                   | 5/8"   | M30X2   |
| HFE1226L18                                                                                                                                                   | 3/4"   | M26X1.5 |
| HFE1230L22                                                                                                                                                   | 3/4"   | M30X2   |
| HFE1636L28                                                                                                                                                   | 3/4"   | M36X2   |
| HFE1636L28                                                                                                                                                   | 1"     | M36X2   |
| HFE2045L35                                                                                                                                                   | 1.1/4" | M45X2   |

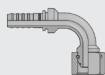
|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>A 90° MÉTRICA<br/>CON O-RING CONO<br/>24° SERIE L</b> |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                                            | Ø TUBO | Ø ROSCA |
| HF90E0616L10                                                                                                                                                                      | 3/8"   | M16X1.5 |
| HF90E0618L12                                                                                                                                                                      | 3/8"   | M18X1.5 |
| HF90E0622L15                                                                                                                                                                      | 3/8"   | M22X1.5 |
| HF90E0818L12                                                                                                                                                                      | 1/2"   | M18X1.5 |
| HF90E0822L15                                                                                                                                                                      | 1/2"   | M22X1.5 |
| HF90E0826L18                                                                                                                                                                      | 1/2"   | M26X1.5 |
| HF90E1026L18                                                                                                                                                                      | 5/8"   | M26X1.5 |
| HF90E1030L22                                                                                                                                                                      | 5/8"   | M30X2   |
| HF90E1226L18                                                                                                                                                                      | 3/4"   | M26X1.5 |
| HF90E1230L22                                                                                                                                                                      | 3/4"   | M30X2   |
| HF90E1236L28                                                                                                                                                                      | 3/4"   | M36X2   |
| HF90E1636L28                                                                                                                                                                      | 1"     | M36X2   |
| HF90E2045L35                                                                                                                                                                      | 1.1/4" | M45X2   |

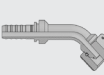
|  <b>HYPERSPIRAL<br/>HEMBRA MÉTRICA<br/>A 45°<br/>CON O-RING CONO<br/>24° SERIE L</b> |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                                   | Ø TUBO | Ø ROSCA |
| HF45E0616L10                                                                                                                                                             | 3/8"   | M16X1.5 |
| HF45E0618L12                                                                                                                                                             | 3/8"   | M18X1.5 |
| HF45E0622L15                                                                                                                                                             | 3/8"   | M22X1.5 |
| HF45E0818L12                                                                                                                                                             | 1/2"   | M18X1.5 |
| HF45E0822L15                                                                                                                                                             | 1/2"   | M22X1.5 |
| HF45E0826L18                                                                                                                                                             | 1/2"   | M26X1.5 |
| HF45E1026L18                                                                                                                                                             | 5/8"   | M26X1.5 |
| HF45E1030L22                                                                                                                                                             | 5/8"   | M30X2   |
| HF45E1226L18                                                                                                                                                             | 3/4"   | M26X1.5 |
| HF45E1230L22                                                                                                                                                             | 3/4"   | M30X2   |
| HF45E1236L28                                                                                                                                                             | 3/4"   | M36X2   |
| HF45E1636L28                                                                                                                                                             | 1"     | M36X2   |
| HF45E2045L35                                                                                                                                                             | 1.1/4" | M45X2   |

# MÉTRICO SERIE S HYPERSPIRAL

|  <b>HYPERSPIRAL<br/>MACHO MÉTRICO<br/>CONO 24° SERIE S</b> |        |         |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                      | Ø TUBO | Ø ROSCA |
| HME0618S10                                                                                                                                  | 3/8"   | M18X1.5 |
| HME0620S12                                                                                                                                  | 3/8"   | M20X1.5 |
| HME0622S14                                                                                                                                  | 3/8"   | M22X1.5 |
| HME0822S14                                                                                                                                  | 1/2"   | M22X1.5 |
| HME0824S16                                                                                                                                  | 1/2"   | M24X1.5 |
| HME1030S20                                                                                                                                  | 5/8"   | M30X2   |
| HME1230S20                                                                                                                                  | 3/4"   | M30X2   |
| HME1236S25                                                                                                                                  | 3/4"   | M36X2   |
| HME1242S30                                                                                                                                  | 3/4"   | M42X2   |
| HME1636S25                                                                                                                                  | 1"     | M36X2   |
| HME1642S30                                                                                                                                  | 1"     | M42X2   |
| HME2052S38                                                                                                                                  | 1.1/4" | M52X2   |

|  <b>HYPERSPIRAL<br/>HEMBRA MÉTRICA<br/>CONO 24°<br/>CON O-RING SERIE S</b> |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                       | Ø TUBO | Ø ROSCA |
| HFE0618S10                                                                                                                                                   | 3/8"   | M18X1.5 |
| HFE0620S12                                                                                                                                                   | 3/8"   | M20X1.5 |
| HFE0622S14                                                                                                                                                   | 3/8"   | M22X1.5 |
| HFE0822S14                                                                                                                                                   | 1/2"   | M22X1.5 |
| HFE0824S16                                                                                                                                                   | 1/2"   | M24X1.5 |
| HFE0830S20                                                                                                                                                   | 1/2"   | M30X2   |
| HFE1030S20                                                                                                                                                   | 5/8"   | M30X2   |
| HFE1036S25                                                                                                                                                   | 5/8"   | M36X2   |
| HFE1230S20                                                                                                                                                   | 3/4"   | M30X2   |
| HFE1236S25                                                                                                                                                   | 3/4"   | M36X2   |
| HFE1242S30                                                                                                                                                   | 3/4"   | M42X2   |
| HFE1636S25                                                                                                                                                   | 1"     | M36X2   |
| HFE1642S30                                                                                                                                                   | 1"     | M42X2   |
| HFE2042S30                                                                                                                                                   | 1.1/4" | M42X2   |
| HFE2052S38                                                                                                                                                   | 1.1/4" | M52X2   |

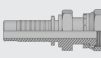
|  <b>HYPERSPIRAL<br/>HEMBRA MÉTRICA<br/>A 90°<br/>CON O-RING CONO<br/>24° SERIE S</b> |        |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                                  | Ø TUBO | Ø ROSCA |
| HF90E0618S10                                                                                                                                                            | 3/8"   | M18X1.5 |
| HF90E0620S12                                                                                                                                                            | 3/8"   | M20X1.5 |
| HF90E0622S14                                                                                                                                                            | 3/8"   | M22X1.5 |
| HF90E0822S14                                                                                                                                                            | 1/2"   | M22X1.5 |
| HF90E0824S16                                                                                                                                                            | 1/2"   | M24X1.5 |
| HF90E0830S20                                                                                                                                                            | 1/2"   | M30X2   |
| HF90E1030S20                                                                                                                                                            | 5/8"   | M30X2   |
| HF90E1036S25                                                                                                                                                            | 5/8"   | M36X2   |
| HF90E1230S20                                                                                                                                                            | 3/4"   | M30X2   |
| HF90E1236S25                                                                                                                                                            | 3/4"   | M36X2   |
| HF90E1636S25                                                                                                                                                            | 1"     | M36X2   |
| HF90E1642S30                                                                                                                                                            | 1"     | M42X2   |
| HF90E2042S30                                                                                                                                                            | 1.1/4" | M42X2   |
| HF90E2052S38                                                                                                                                                            | 1.1/4" | M52X2   |

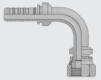
|  <b>HYPERSPIRAL<br/>HEMBRA MÉTRICA<br/>A 45°<br/>CON O-RING CONO<br/>24° SERIE S</b> |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                                                   | Ø TUBO | Ø ROSCA |
| HF45E0618S10                                                                                                                                                             | 3/8"   | M18X1.5 |
| HF45E0620S12                                                                                                                                                             | 3/8"   | M20X1.5 |
| HF45E0622S14                                                                                                                                                             | 3/8"   | M22X1.5 |
| HF45E0822S14                                                                                                                                                             | 1/2"   | M22X1.5 |
| HF45E0824S16                                                                                                                                                             | 1/2"   | M24X1.5 |
| HF45E0830S20                                                                                                                                                             | 1/2"   | M30X2   |
| HF45E1030S20                                                                                                                                                             | 5/8"   | M30X2   |
| HF45E1036S25                                                                                                                                                             | 5/8"   | M36X2   |
| HF45E1230S20                                                                                                                                                             | 3/4"   | M30X2   |
| HF45E1236S25                                                                                                                                                             | 3/4"   | M36X2   |
| HF45E1636S25                                                                                                                                                             | 1"     | M36X2   |
| HF45E1642S30                                                                                                                                                             | 1"     | M42X2   |
| HF45E2042S30                                                                                                                                                             | 1.1/4" | M42X2   |
| HF45E2052S38                                                                                                                                                             | 1.1/4" | M52X2   |



# ORFS HYPERSPIRAL

|  <b>HYPERSPIRAL<br/>MACHO ORFS</b> |        |          |
|---------------------------------------------------------------------------------------------------------------------|--------|----------|
| CÓDIGO                                                                                                              | Ø TUBO | Ø ROSCA  |
| HMORFS0609                                                                                                          | 3/8"   | 11/16"   |
| HMORFS0611                                                                                                          | 3/8"   | 13/16"   |
| HMORFS0613                                                                                                          | 3/8"   | 1"       |
| HMORFS0811                                                                                                          | 1/2"   | 13/16"   |
| HMORFS0813                                                                                                          | 1/2"   | 1"       |
| HMORFS0814                                                                                                          | 1/2"   | 1.3/16"  |
| HMORFS1013                                                                                                          | 5/8"   | 1"       |
| HMORFS1014                                                                                                          | 5/8"   | 1.3/16"  |
| HMORFS1214                                                                                                          | 3/4"   | 1.3/16"  |
| HMORFS1215                                                                                                          | 3/4"   | 1.7/16"  |
| HMORFS1615                                                                                                          | 1"     | 1.7/16"  |
| HMORFS2021                                                                                                          | 1.1/4" | 1.11/16" |

|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>RECTA ORFS</b> |        |          |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| CÓDIGO                                                                                                                                    | Ø TUBO | Ø ROSCA  |
| HFORFS0606GIR                                                                                                                             | 3/8"   | 9/16"    |
| HFORFS0609GIR                                                                                                                             | 3/8"   | 11/16"   |
| HFORFS0611GIR                                                                                                                             | 3/8"   | 13/16"   |
| HFORFS0809GIR                                                                                                                             | 1/2"   | 11/16"   |
| HFORFS0811GIR                                                                                                                             | 1/2"   | 13/16"   |
| HFORFS0813GIR                                                                                                                             | 1/2"   | 1"       |
| HFORFS0814GIR                                                                                                                             | 1/2"   | 1.3/16"  |
| HFORFS1013GIR                                                                                                                             | 5/8"   | 1"       |
| HFORFS1014GIR                                                                                                                             | 5/8"   | 1.3/16"  |
| HFORFS1213GIR                                                                                                                             | 3/4"   | 1"       |
| HFORFS1214GIR                                                                                                                             | 3/4"   | 1.3/16"  |
| HFORFS1215GIR                                                                                                                             | 3/4"   | 1.7/16"  |
| HFORFS1221GIR                                                                                                                             | 3/4"   | 1.11/16" |
| HFORFS1614GIR                                                                                                                             | 1"     | 1.3/16"  |
| HFORFS1615GIR                                                                                                                             | 1"     | 1.7/16"  |
| HFORFS1621GIR                                                                                                                             | 1"     | 1.11/16" |
| HFORFS2021GIR                                                                                                                             | 1.1/4" | 1.11/16" |
| HFORFS2032GIR                                                                                                                             | 1.1/4" | 2"       |

|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>A 90° ORFS</b> |        |          |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| CÓDIGO                                                                                                                                     | Ø TUBO | Ø ROSCA  |
| HF90ORFS0606                                                                                                                               | 3/8"   | 9/16"    |
| HF90ORFS0609                                                                                                                               | 3/8"   | 11/16"   |
| HF90ORFS0611                                                                                                                               | 3/8"   | 13/16"   |
| HF90ORFS0809                                                                                                                               | 1/2"   | 11/16"   |
| HF90ORFS0811                                                                                                                               | 1/2"   | 13/16"   |
| HF90ORFS0813                                                                                                                               | 1/2"   | 1"       |
| HF90ORFS0814                                                                                                                               | 1/2"   | 1.3/16"  |
| HF90ORFS1013                                                                                                                               | 5/8"   | 1"       |
| HF90ORFS1014                                                                                                                               | 5/8"   | 1.3/16"  |
| HF90ORFS1213                                                                                                                               | 3/4"   | 1"       |
| HF90ORFS1214                                                                                                                               | 3/4"   | 1.3/16"  |
| HF90ORFS1215                                                                                                                               | 3/4"   | 1.7/16"  |
| HF90ORFS1221                                                                                                                               | 3/4"   | 1.11/16" |
| HF90ORFS1614                                                                                                                               | 1"     | 1.3/16"  |
| HF90ORFS1615                                                                                                                               | 1"     | 1.7/16"  |
| HF90ORFS1621                                                                                                                               | 1"     | 1.11/16" |
| HF90ORFS2021                                                                                                                               | 1.1/4" | 1.11/16" |
| HF90ORFS2032                                                                                                                               | 1.1/4" | 2"       |

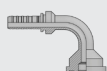
|  <b>HYPERSPIRAL<br/>HEMBRA GIRATORIA<br/>A 45° ORFS</b> |        |          |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| CÓDIGO                                                                                                                                      | Ø TUBO | Ø ROSCA  |
| HF45ORFS0606                                                                                                                                | 3/8"   | 9/16"    |
| HF45ORFS0609                                                                                                                                | 3/8"   | 11/16"   |
| HF45ORFS0611                                                                                                                                | 3/8"   | 13/16"   |
| HF45ORFS0809                                                                                                                                | 1/2"   | 11/16"   |
| HF45ORFS0811                                                                                                                                | 1/2"   | 13/16"   |
| HF45ORFS0813                                                                                                                                | 1/2"   | 1"       |
| HF45ORFS0814                                                                                                                                | 1/2"   | 1.3/16"  |
| HF45ORFS1013                                                                                                                                | 5/8"   | 1"       |
| HF45ORFS1014                                                                                                                                | 5/8"   | 1.3/16"  |
| HF45ORFS1213                                                                                                                                | 3/4"   | 1"       |
| HF45ORFS1214                                                                                                                                | 3/4"   | 1.3/16"  |
| HF45ORFS1215                                                                                                                                | 3/4"   | 1.7/16"  |
| HF45ORFS1221                                                                                                                                | 3/4"   | 1.11/16" |
| HF45ORFS1614                                                                                                                                | 1"     | 1.3/16"  |
| HF45ORFS1615                                                                                                                                | 1"     | 1.7/16"  |
| HF45ORFS1621                                                                                                                                | 1"     | 1.11/16" |
| HF45ORFS2021                                                                                                                                | 1.1/4" | 1.11/16" |
| HF45ORFS2032                                                                                                                                | 1.1/4" | 2"       |

# BRIDA 3000 HYPERSPIRAL



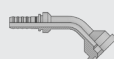
HYPERSPIRAL  
BRIDA RECTA  
3000 PSI  
(PIEZA UNICA)

| CÓDIGO    | Ø TUBO | Ø ROSCA |
|-----------|--------|---------|
| HFDL0808I | 1/2"   | 30.2    |
| HFDL0810I | 1/2"   | 34      |
| HFDL0812I | 1/2"   | 38.1    |
| HFDL1010I | 5/8"   | 34      |
| HFDL1012I | 5/8"   | 38.1    |
| HFDL1208I | 3/4"   | 30.2    |
| HFDL1212I | 3/4"   | 38.1    |
| HFDL1216I | 3/4"   | 44.5    |
| HFDL1612I | 1"     | 38.1    |
| HFDL1616I | 1"     | 44.5    |
| HFDL1620I | 1"     | 50.8    |
| HFDL2020I | 1.1/4" | 50.8    |
| HFDL2024I | 1.1/4" | 60.3    |



HYPERSPIRAL  
BRIDA A 90° 3000 PSI  
(PIEZA UNICA)

| CÓDIGO     | Ø TUBO | Ø ROSCA |
|------------|--------|---------|
| HF90L0808I | 1/2"   | 30.2    |
| HF90L0810I | 1/2"   | 34      |
| HF90L0812I | 1/2"   | 38.1    |
| HF90L1010I | 5/8"   | 34      |
| HF90L1012I | 5/8"   | 38.1    |
| HF90L1208I | 3/4"   | 30.2    |
| HF90L1212I | 3/4"   | 38.1    |
| HF90L1216I | 3/4"   | 44.5    |
| HF90L1612I | 1"     | 38.1    |
| HF90L1616I | 1"     | 44.5    |
| HF90L1620I | 1"     | 50.8    |
| HF90L2020I | 1.1/4" | 50.8    |
| HF90L2024I | 1.1/4" | 60.3    |



HYPERSPIRAL  
BRIDA A 45° 3000 PSI  
(PIEZA UNICA)

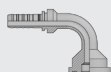
| CÓDIGO     | Ø TUBO | Ø ROSCA |
|------------|--------|---------|
| HF45L0808I | 1/2"   | 30.2    |
| HF45L0810I | 1/2"   | 34      |
| HF45L0812I | 1/2"   | 38.1    |
| HF45L1010I | 5/8"   | 34      |
| HF45L1012I | 5/8"   | 38.1    |
| HF45L1208I | 3/4"   | 30.2    |
| HF45L1212I | 3/4"   | 38.1    |
| HF45L1216I | 3/4"   | 44.5    |
| HF45L1612I | 1"     | 38.1    |
| HF45L1616I | 1"     | 44.5    |
| HF45L1620I | 1"     | 50.8    |
| HF45L2020I | 1.1/4" | 50.8    |
| HF45L2024I | 1.1/4" | 60.3    |

# BRIDA 6000 HYPERSPIRAL



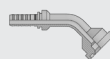
HYPERSPIRAL  
BRIDA RECTA  
6000 PSI  
(PIEZA UNICA)

| CÓDIGO    | Ø TUBO | Ø ROSCA |
|-----------|--------|---------|
| HFDP0808I | 1/2"   | 31.7    |
| HFDP0812I | 1/2"   | 41.3    |
| HFDP1008I | 5/8"   | 31.7    |
| HFDP1012I | 5/8"   | 41.3    |
| HFDP1212I | 3/4"   | 41.3    |
| HFDP1216I | 3/4"   | 47.6    |
| HFDP1612I | 1"     | 41.3    |
| HFDP1616I | 1"     | 47.6    |
| HFDP1620I | 1"     | 54      |
| HFDP2020I | 1.1/4" | 54      |
| HFDP2024I | 1.1/4" | 63.5    |



HYPERSPIRAL  
BRIDA A 90° 6000 PSI  
(PIEZA UNICA)

| CÓDIGO     | Ø TUBO | Ø ROSCA |
|------------|--------|---------|
| HF90P0808I | 1/2"   | 31.7    |
| HF90P0812I | 1/2"   | 41.3    |
| HF90P1008I | 5/8"   | 31.7    |
| HF90P1012I | 5/8"   | 41.3    |
| HF90P1212I | 3/4"   | 41.3    |
| HF90P1216I | 3/4"   | 47.6    |
| HF90P1612I | 1"     | 41.3    |
| HF90P1616I | 1"     | 47.6    |
| HF90P1620I | 1"     | 54      |
| HF90P2020I | 1.1/4" | 54      |
| HF90P2024I | 1.1/4" | 63.5    |

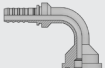


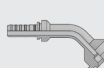
HYPERSPIRAL  
BRIDA A 45° 6000 PSI  
(PIEZA UNICA)

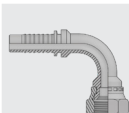
| CÓDIGO     | Ø TUBO | Ø ROSCA |
|------------|--------|---------|
| HF45P0808I | 1/2"   | 31.7    |
| HF45P0812I | 1/2"   | 41.3    |
| HF45P1008I | 5/8"   | 31.7    |
| HF45P1012I | 5/8"   | 41.3    |
| HF45P1212I | 3/4"   | 41.3    |
| HF45P1216I | 3/4"   | 47.6    |
| HF45P1612I | 1"     | 41.3    |
| HF45P1616I | 1"     | 47.6    |
| HF45P1620I | 1"     | 54      |
| HF45P2020I | 1.1/4" | 54      |
| HF45P2024I | 1.1/4" | 63.5    |

# BRIDA SUPERCAT HYPERSPIRAL

|  <p>HYPERSPIRAL<br/>BRIDA RECTA<br/>SUPERCAT<br/>(PIEZA UNICA)</p> |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                              | Ø TUBO | Ø ROSCA |
| HFDS1212I                                                                                                                                           | 3/4"   | 41.3    |
| HFDS1216I                                                                                                                                           | 3/4"   | 47.6    |
| HFDS1616I                                                                                                                                           | 1"     | 47.6    |
| HFDS1620I                                                                                                                                           | 1"     | 54      |
| HFDS2020I                                                                                                                                           | 1.1/4" | 54      |
| HFDS2024I                                                                                                                                           | 1.1/4" | 63.5    |

|  <p>HYPERSPIRAL<br/>BRIDA 90°<br/>SUPERCAT<br/>(PIEZA UNICA)</p> |        |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                            | Ø TUBO | Ø ROSCA |
| HF90S1212I                                                                                                                                        | 3/4"   | 41.3    |
| HF90S1216I                                                                                                                                        | 3/4"   | 47.6    |
| HF90S1616I                                                                                                                                        | 1"     | 47.6    |
| HF90S1620I                                                                                                                                        | 1"     | 54      |
| HF90S2020I                                                                                                                                        | 1.1/4" | 54      |
| HF90S2024I                                                                                                                                        | 1.1/4" | 63.5    |

|  <p>HYPERSPIRAL<br/>BRIDA 45°<br/>SUPERCAT<br/>(PIEZA UNICA)</p> |        |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                             | Ø TUBO | Ø ROSCA |
| HF45S1212I                                                                                                                                         | 3/4"   | 41.3    |
| HF45S1216I                                                                                                                                         | 3/4"   | 47.6    |
| HF45S1616I                                                                                                                                         | 1"     | 47.6    |
| HF45S1620I                                                                                                                                         | 1"     | 54      |
| HF45S2020I                                                                                                                                         | 1.1/4" | 54      |
| HF45S2024I                                                                                                                                         | 1.1/4" | 63.5    |



HEMBRA GIRATORIA A 90°  
TOYOTA  
CONO 60°

| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| F90T0404 | 1/4"   | 1/4"    | 50      |
| F90T0606 | 3/8"   | 3/8"    | 20      |
| F90T0808 | 1/2"   | 1/2"    | 20      |
| F90T1212 | 3/4"   | 3/4"    | 20      |
| F90T1616 | 1"     | 1"      | 10      |



HEMBRA GIRATORIA RECTA  
TOYOTA  
CONO 60°

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| FDT0404 | 1/4"   | 1/4"    | 50      |
| FDT0606 | 3/8"   | 3/8"    | 50      |
| FDT0808 | 1/2"   | 1/2"    | 25      |
| FDT1212 | 3/4"   | 3/4"    | 15      |
| FDT1616 | 1"     | 1"      | 20      |



HEMBRA GIRATORIA RECTA  
MÉTRICA "KOMATSU"  
CONO 60°

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| FDK0414 | 1/4"   | 14X1.5  | 50      |
| FDK0416 | 1/4"   | 16X1.5  | 50      |
| FDK0516 | 5/16"  | 16X1.5  | 50      |
| FDK0616 | 3/8"   | 16X1.5  | 50      |
| FDK0618 | 3/8"   | 18X1.5  | 25      |
| FDK0820 | 1/2"   | 20X1.5  | 20      |
| FDK0822 | 1/2"   | 22X1.5  | 20      |
| FDK0824 | 1/2"   | 24X1.5  | 15      |
| FDK1024 | 5/8"   | 24X1.5  | 10      |
| FDK1230 | 3/4"   | 30X1.5  | 10      |
| FDK1633 | 1"     | 33X1.5  | 10      |



ESPIGA DOBLE

| CÓDIGO | Ø TUBO | Ø ROSCA | Ud/Caja |
|--------|--------|---------|---------|
| GD04   | 1/4"   | 1/4"    | 100     |
| GD05   | 5/16"  | 5/16"   | 100     |
| GD06   | 3/8"   | 3/8"    | 150     |
| GD08   | 1/2"   | 1/2"    | 100     |
| GD10   | 5/8"   | 5/8"    | 25      |
| GD12   | 3/4"   | 3/4"    | 20      |
| GD16   | 1"     | 1"      | 20      |



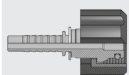
UNIÓN PARA  
HIDROLAVADORA

| CÓDIGO  | Ø TUBO | Ø ROSCA | Ud/Caja |
|---------|--------|---------|---------|
| FW04D10 | 1/4"   | 10      | 20      |
| FW04D11 | 1/4"   | 11      | 20      |
| FW05D10 | 5/16"  | 10      | 20      |
| FW05D11 | 5/16"  | 11      | 20      |



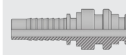
MANGUITO  
HIDROLAVADORA

| CÓDIGO   | Ø INCH | Ø MM | Ud/Caja |
|----------|--------|------|---------|
| MIDRO04B | 1/4"   | 6    | 50      |
| MIDRO05B | 5/16"  | 8    | 50      |
| MIDRO06B | 3/8"   | 10   | 1       |
| MIDRO08B | 1/2"   | 12   | 10      |



HEMBRA PARA  
HIDROLAVADORA  
SERIE "FK"

| CÓDIGO     | Ø TUBO | Ø ROSCA | Ud/Caja |
|------------|--------|---------|---------|
| FDW0422T14 | 1/4"   | 14      | 50      |
| FDW0422T15 | 1/4"   | 15      | 50      |
| FDW0522T14 | 5/16"  | 14      | 50      |
| FDW0522T15 | 5/16"  | 15      | 50      |
| FDW0622T14 | 3/8"   | 14      | 50      |
| FDW0622T15 | 3/8"   | 15      | 50      |



MACHO FIJO  
PARA MINERÍA

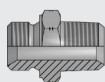
| CÓDIGO   | Ø TUBO | Ø ROSCA | Ud/Caja |
|----------|--------|---------|---------|
| MINE0404 | 1/4"   | 15      | 50      |
| MINE0606 | 5/16"  | 20      | 50      |
| MINE0808 | 3/8"   | 24      | 50      |
| MINE1212 | 1/2"   | 29      | 20      |

# ADAPTADORES BSPP



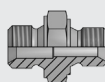
ADAPTADOR  
MACHO - MACHO BSPP

| CÓDIGO   | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|----------|--------|--------|---------|-------------|
| ANGG0202 | 1/8"   | 1/8"   | 200     | X-ANGG0202  |
| ANGG0404 | 1/4"   | 1/4"   | 300     | X-ANGG0404  |
| ANGG0606 | 3/8"   | 3/8"   | 150     | X-ANGG0606  |
| ANGG0808 | 1/2"   | 1/2"   | 100     | X-ANGG0808  |
| ANGG1010 | 5/8"   | 5/8"   | 25      | X-ANGG1010  |
| ANGG1212 | 3/4"   | 3/4"   | 50      | X-ANGG1212  |
| ANGG1616 | 1"     | 1"     | 25      | X-ANGG1616  |
| ANGG2020 | 1.1/4" | 1.1/4" | 20      | X-ANGG2020  |
| ANGG2424 | 1.1/2" | 1.1/2" | 10      | X-ANGG2424  |
| ANGG3232 | 2"     | 2"     | 5       | X-ANGG3232  |



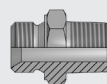
ADAPTADOR  
MACHO BSPP - MACHO NPT

| CÓDIGO     | BSPP   | NPT    | Ud/Caja | CÓDIGO INOX  |
|------------|--------|--------|---------|--------------|
| ANGNPT0202 | 1/8"   | 1/8"   | 100     | X-ANGNPT0202 |
| ANGNPT0404 | 1/4"   | 1/4"   | 100     | X-ANGNPT0404 |
| ANGNPT0606 | 3/8"   | 3/8"   | 75      | X-ANGNPT0606 |
| ANGNPT0808 | 1/2"   | 1/2"   | 75      | X-ANGNPT0808 |
| ANGNPT1212 | 3/4"   | 3/4"   | 50      | X-ANGNPT1212 |
| ANGNPT1616 | 1"     | 1"     | 25      | X-ANGNPT1616 |
| ANGNPT2020 | 1.1/4" | 1.1/4" | 10      | X-ANGNPT2020 |
| ANGNPT2424 | 1.1/2" | 1.1/2" | 10      | X-ANGNPT2424 |
| ANGNPT3232 | 2"     | 2"     | 5       | X-ANGNPT3232 |



REDUCTOR  
MACHO BSPP - MACHO BSPP

| CÓDIGO   | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|----------|--------|--------|---------|-------------|
| ARGG0402 | 1/4"   | 1/8"   | 150     | X-ARGG0402  |
| ARGG0602 | 3/8"   | 1/8"   | 100     | X-ARGG0602  |
| ARGG0604 | 3/8"   | 1/4"   | 200     | X-ARGG0604  |
| ARGG0804 | 1/2"   | 1/4"   | 100     | X-ARGG0804  |
| ARGG0806 | 1/2"   | 3/8"   | 100     | X-ARGG0806  |
| ARGG1006 | 5/8"   | 3/8"   | 75      | X-ARGG1006  |
| ARGG1008 | 5/8"   | 1/2"   | 75      | X-ARGG1008  |
| ARGG1204 | 3/4"   | 1/4"   | 75      | X-ARGG1204  |
| ARGG1206 | 3/4"   | 3/8"   | 75      | X-ARGG1206  |
| ARGG1208 | 3/4"   | 1/2"   | 50      | X-ARGG1208  |
| ARGG1210 | 3/4"   | 5/8"   | 50      | X-ARGG1210  |
| ARGG1606 | 1"     | 3/8"   | 35      | X-ARGG1606  |
| ARGG1608 | 1"     | 1/2"   | 35      | X-ARGG1608  |
| ARGG1610 | 1"     | 5/8"   | 30      | X-ARGG1610  |
| ARGG1612 | 1"     | 3/4"   | 30      | X-ARGG1612  |
| ARGG2008 | 1.1/4" | 1/2"   | 25      | X-ARGG2008  |
| ARGG2012 | 1.1/4" | 3/4"   | 20      | X-ARGG2012  |
| ARGG2016 | 1.1/4" | 1"     | 20      | X-ARGG2016  |
| ARGG2412 | 1.1/2" | 3/4"   | 15      | X-ARGG2412  |
| ARGG2416 | 1.1/2" | 1"     | 15      | X-ARGG2416  |
| ARGG2420 | 1.1/2" | 1.1/4" | 10      | X-ARGG2420  |
| ARGG3216 | 2"     | 1"     | 10      | X-ARGG3216  |
| ARGG3220 | 2"     | 1.1/4" | 5       | X-ARGG3220  |
| ARGG3224 | 2"     | 1.1/2" | 5       | X-ARGG3224  |



ADAPTADOR  
MACHO BSPP - MACHO BSPT

| CÓDIGO   | BSPP   | BSPT   | Ud/Caja |
|----------|--------|--------|---------|
| ANGK0202 | 1/8"   | 1/8"   | 100     |
| ANGK0404 | 1/4"   | 1/4"   | 250     |
| ANGK0406 | 1/4"   | 3/8"   | 100     |
| ANGK0408 | 1/4"   | 1/2"   | 50      |
| ANGK0606 | 3/8"   | 3/8"   | 150     |
| ANGK0608 | 3/8"   | 1/2"   | 50      |
| ANGK0808 | 1/2"   | 1/2"   | 100     |
| ANGK1212 | 3/4"   | 3/4"   | 50      |
| ANGK1616 | 1"     | 1"     | 25      |
| ANGK2020 | 1.1/4" | 1.1/4" | 10      |
| ANGK2424 | 1.1/2" | 1.1/2" | 10      |
| ANGK3232 | 2"     | 2"     | 5       |



JUNTA METAL GOMA

| CÓDIGO ACERO | Ø TUBO | CÓDIGO INOX |
|--------------|--------|-------------|
| R1519-2      | 1/8"   | R1519-2-I   |
| R1519-4      | 1/4"   | R1519-4-I   |
| R1519-6      | 3/8"   | R1519-6-I   |
| R1519-8      | 1/2"   | R1519-8-I   |
| R1519-10     | 5/8"   | R1519-10-I  |
| R1519-12     | 3/4"   | R1519-12-I  |
| R1519-16     | 1"     | R1519-16-I  |
| R1519-20     | 1.1/4" | R1519-20-I  |
| R1519-24     | 1.1/2" | R1519-24-I  |
| R1519-32     | 2"     | R1519-32-I  |



**TUERCA BSP  
ACERO CARBONO**

| CÓDIGO    | Ø TUBO | CÓDIGO INOX |
|-----------|--------|-------------|
| TUERCA-04 | 1/4"   | TUERCA-04-I |
| TUERCA-06 | 3/8"   | TUERCA-06-I |
| TUERCA-08 | 1/2"   | TUERCA-08-I |
| TUERCA-12 | 3/4"   | TUERCA-12-I |
| TUERCA-16 | 1"     | TUERCA-16-I |
| TUERCA-20 | 1.1/4" | TUERCA-20-I |
| TUERCA-24 | 1.1/2" | TUERCA-24-I |
| TUERCA-32 | 2"     | TUERCA-32-I |



**CONO SOLDABLE 60°  
ACERO CARBONO**

| CÓDIGO  | Ø TUBO | CÓDIGO INOX |
|---------|--------|-------------|
| CONO-04 | 1/4"   | CONO-04-I   |
| CONO-06 | 3/8"   | CONO-06-I   |
| CONO-08 | 1/2"   | CONO-08-I   |
| CONO-12 | 3/4"   | CONO-12-I   |
| CONO-16 | 1"     | CONO-16-I   |
| CONO-20 | 1.1/4" | CONO-20-I   |
| CONO-24 | 1.1/2" | CONO-24-I   |
| CONO-32 | 2"     | CONO-32-I   |



**MACHO FIJO SOLDABLE  
HEXAGONAL**

| CÓDIGO ACERO | Ø TUBO | CÓDIGO INOX |
|--------------|--------|-------------|
| MAH-04       | 1/4"   | MAI-4       |
| MAH-06       | 3/8"   | MAI-6       |
| MAH-08       | 1/2"   | MAI-8       |
| MAH-12       | 3/4"   | MAI-12      |
| MAH-16       | 1"     | MAI-16      |
| MAH-20       | 1.1/4" | MAI-20      |
| MAH-24       | 1.1/2" | MAI-24      |
| MAH-32       | 2"     | MAI-32      |



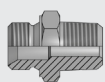
**MANGUITO SOLDABLE  
CILINDRICO**

| CÓDIGO   | Ø TUBO |
|----------|--------|
| R1516-2  | 1/8"   |
| R1516-4  | 1/4"   |
| R1516-6  | 3/8"   |
| R1516-8  | 1/2"   |
| R1516-12 | 3/4"   |
| R1516-16 | 1"     |
| R1516-20 | 1.1/4" |
| R1516-24 | 1.1/2" |
| R1516-32 | 2"     |



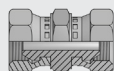
**MANGUITO HEMBRA FIJA BSPP  
HEMBRA FIJA BSPP**

| CÓDIGO    | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|-----------|--------|--------|---------|-------------|
| APFFG0202 | 1/8"   | 1/8"   | 100     | X-APFFG0202 |
| APFFG0404 | 1/4"   | 1/4"   | 200     | X-APFFG0404 |
| APFFG0606 | 3/8"   | 3/8"   | 100     | X-APFFG0606 |
| APFFG0808 | 1/2"   | 1/2"   | 50      | X-APFFG0808 |
| APFFG1010 | 5/8"   | 5/8"   | 20      | X-APFFG1010 |
| APFFG1212 | 3/4"   | 3/4"   | 50      | X-APFFG1212 |
| APFFG1616 | 1"     | 1"     | 20      | X-APFFG1616 |
| APFFG2020 | 1.1/4" | 1.1/4" | 15      | X-APFFG2020 |
| APFFG2424 | 1.1/2" | 1.1/2" | 10      | X-APFFG2424 |
| APFFG3232 | 2"     | 2"     | 5       | X-APFFG3232 |



REDUCTOR  
MACHO BSPP  
MACHO BSPT

| CÓDIGO   | BSPP | BSPT | Ud/Caja |
|----------|------|------|---------|
| ARGK0402 | 1/4" | 1/8" | 100     |
| ARGK0602 | 3/8" | 1/8" | 100     |
| ARGK0604 | 3/8" | 1/4" | 50      |
| ARGK0804 | 1/2" | 1/4" | 50      |
| ARGK0806 | 1/2" | 3/8" | 50      |
| ARGK1204 | 3/4" | 1/4" | 25      |
| ARGK1206 | 3/4" | 3/8" | 25      |
| ARGK1208 | 3/4" | 1/2" | 75      |
| ARGK1606 | 1"   | 3/8" | 25      |
| ARGK1608 | 1"   | 1/2" | 25      |
| ARGK1612 | 1"   | 3/4" | 25      |



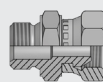
ADAPTADOR HEMBRA  
GIRATORIA BSPP  
HEMBRA GIRATORIA BSPP

| CÓDIGO    | BSPP   | BSPP   | Ud/Caja |
|-----------|--------|--------|---------|
| AFFDG0202 | 1/8"   | 1/8"   | 100     |
| AFFDG0404 | 1/4"   | 1/4"   | 50      |
| AFFDG0606 | 3/8"   | 3/8"   | 100     |
| AFFDG0808 | 1/2"   | 1/2"   | 50      |
| AFFDG1010 | 5/8"   | 5/8"   | 20      |
| AFFDG1212 | 3/4"   | 3/4"   | 35      |
| AFFDG1616 | 1"     | 1"     | 20      |
| AFFDG2020 | 1.1/4" | 1.1/4" | 10      |
| AFFDG2424 | 1.1/2" | 1.1/2" | 5       |
| AFFDG3232 | 2"     | 2"     | 4       |



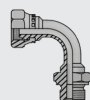
HEMBRA GIRATORIA A 90°  
BSPP  
CONO 60°

| CÓDIGO     | BSPP   | BSPP   | Ud/Caja |
|------------|--------|--------|---------|
| AFF90G0202 | 1/8"   | 1/8"   | 100     |
| AFF90G0404 | 1/4"   | 1/4"   | 50      |
| AFF90G0606 | 3/8"   | 3/8"   | 50      |
| AFF90G0808 | 1/2"   | 1/2"   | 40      |
| AFF90G1010 | 5/8"   | 5/8"   | 10      |
| AFF90G1212 | 3/4"   | 3/4"   | 20      |
| AFF90G1616 | 1"     | 1"     | 10      |
| AFF90G2020 | 1.1/4" | 1.1/4" | 5       |
| AFF90G2424 | 1.1/2" | 1.1/2" | 5       |
| AFF90G3232 | 2"     | 2"     | 5       |



ADAPTADOR MACHO BSPP  
HEMBRA GIRATORIA BSPP

| CÓDIGO    | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|-----------|--------|--------|---------|-------------|
| AMFDG0202 | 1/8"   | 1/8"   | 100     | X-AMFDG0202 |
| AMFDG0204 | 1/8"   | 1/4"   | 20      | X-AMFDG0204 |
| AMFDG0404 | 1/4"   | 1/4"   | 150     | X-AMFDG0404 |
| AMFDG0406 | 1/4"   | 3/8"   | 50      | X-AMFDG0406 |
| AMFDG0408 | 1/4"   | 1/2"   | 20      | X-AMFDG0408 |
| AMFDG0604 | 3/8"   | 1/4"   | 20      | X-AMFDG0604 |
| AMFDG0606 | 3/8"   | 3/8"   | 100     | X-AMFDG0606 |
| AMFDG0608 | 3/8"   | 1/2"   | 100     | X-AMFDG0608 |
| AMFDG0612 | 3/8"   | 3/4"   | 20      | X-AMFDG0612 |
| AMFDG0804 | 1/2"   | 1/4"   | 20      | X-AMFDG0804 |
| AMFDG0806 | 1/2"   | 3/8"   | 20      | X-AMFDG0806 |
| AMFDG0808 | 1/2"   | 1/2"   | 75      | X-AMFDG0808 |
| AMFDG0812 | 1/2"   | 3/4"   | 50      | X-AMFDG0812 |
| AMFDG1010 | 5/8"   | 5/8"   | 25      | X-AMFDG1010 |
| AMFDG1206 | 3/4"   | 3/8"   | 20      | X-AMFDG1206 |
| AMFDG1208 | 3/4"   | 1/2"   | 20      | X-AMFDG1208 |
| AMFDG1212 | 3/4"   | 3/4"   | 40      | X-AMFDG1212 |
| AMFDG1216 | 3/4"   | 1"     | 10      | X-AMFDG1216 |
| AMFDG1612 | 1"     | 3/4"   | 10      | X-AMFDG1612 |
| AMFDG1616 | 1"     | 1"     | 25      | X-AMFDG1616 |
| AMFDG1620 | 1"     | 1.1/4" | 5       | X-AMFDG1620 |
| AMFDG2016 | 1.1/4" | 1"     | 5       | X-AMFDG2016 |
| AMFDG2020 | 1.1/4" | 1.1/4" | 10      | X-AMFDG2020 |
| AMFDG2024 | 1.1/4" | 1.1/2" | 5       | X-AMFDG2024 |
| AMFDG2420 | 1.1/2" | 1.1/4" | 5       | X-AMFDG2420 |
| AMFDG2424 | 1.1/2" | 1.1/2" | 5       | X-AMFDG2424 |
| AMFDG2432 | 1.1/2" | 2"     | 5       | X-AMFDG2432 |
| AMFDG3224 | 2"     | 1.1/2" | 5       | X-AMFDG3224 |
| AMFDG3232 | 2"     | 2"     | 4       | X-AMFDG3232 |



CODO 90° MACHO BSPP  
HEMBRA GIRATORIA BSPP

| CÓDIGO     | BSPP   | BSPP   | Ud/Caja |
|------------|--------|--------|---------|
| AMF90G0202 | 1/8"   | 1/8"   | 100     |
| AMF90G0404 | 1/4"   | 1/4"   | 100     |
| AMF90G0606 | 3/8"   | 3/8"   | 75      |
| AMF90G0808 | 1/2"   | 1/2"   | 40      |
| AMF90G1010 | 5/8"   | 5/8"   | 20      |
| AMF90G1212 | 3/4"   | 3/4"   | 20      |
| AMF90G1616 | 1"     | 1"     | 10      |
| AMF90G2020 | 1.1/4" | 1.1/4" | 5       |
| AMF90G2424 | 1.1/2" | 1.1/2" | 5       |
| AMF90G3232 | 2"     | 2"     | 5       |





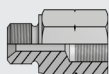
**CODO 90°  
MACHO MÉTRICO  
HEMBRA GIRATORIA MÉTRICA**

| CÓDIGO     | MÉTRICO | MÉTRICO | Ud/Caja |
|------------|---------|---------|---------|
| AMF90M1010 | 10X1    | 10X1    | 20      |
| AMF90M1212 | 12X1.5  | 12X1.5  | 20      |
| AMF90M1414 | 14X1.5  | 14X1.5  | 20      |
| AMF90M1616 | 16X1.5  | 16X1.5  | 20      |
| AMF90M1818 | 18X1.5  | 18X1.5  | 20      |
| AMF90M2020 | 20X1.5  | 20X1.5  | 10      |
| AMF90M2222 | 22X1.5  | 22X1.5  | 10      |
| AMF90M2424 | 24X1.5  | 24X1.5  | 10      |
| AMF90M2626 | 26X1.5  | 26X1.5  | 5       |



**CODO 90°  
HEMBRA GIRATORIA MÉTRICA  
HEMBRA GIRATORIA MÉTRICA**

| CÓDIGO     | MÉTRICO | MÉTRICO | Ud/Caja |
|------------|---------|---------|---------|
| AFF90M1010 | 10X1    | 10X1    | 10      |
| AFF90M1212 | 12X1.5  | 12X1.5  | 20      |
| AFF90M1414 | 14X1.5  | 14X1.5  | 20      |
| AFF90M1616 | 16X1.5  | 16X1.5  | 20      |
| AFF90M1818 | 18X1.5  | 18X1.5  | 20      |
| AFF90M2020 | 20X1.5  | 20X1.5  | 10      |
| AFF90M2222 | 22X1.5  | 22X1.5  | 10      |
| AFF90M2424 | 24X1.5  | 24X1.5  | 10      |
| AFF90M2626 | 26X1.5  | 26X1.5  | 5       |



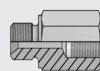
**PROLONGADOR  
MACHO MÉTRICO  
HEMBRA FIJA MÉTRICA**

| CÓDIGO      | MÉTRICO | MÉTRICO | Ud/Caja |
|-------------|---------|---------|---------|
| APMFM1027   | 10X1    | 10X1    | 100     |
| APMFM1040.5 | 10X1    | 10X1    | 50      |
| APMFM1433   | 14X1.5  | 14X1.5  | 50      |
| APMFM1635   | 16X1.5  | 16X1.5  | 50      |
| APMFM1840   | 18X1.5  | 18X1.5  | 20      |
| APMFM1845   | 18X1.5  | 18X1.5  | 20      |
| APMFM1850   | 18X1.5  | 18X1.5  | 20      |
| APMFM2045   | 20X1.5  | 20X1.5  | 20      |
| APMFM2060   | 20X1.5  | 20X1.5  | 20      |
| APMFM2240   | 22X1.5  | 22X1.5  | 20      |
| APMFM2260   | 22X1.5  | 22X1.5  | 20      |



**PASATABIQUES  
BSPP**

| CÓDIGO    | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|-----------|--------|--------|---------|-------------|
| ANGG0404P | 1/4"   | 1/4"   | 100     | X-ANGG0404P |
| ANGG0606P | 3/8"   | 3/8"   | 100     | X-ANGG0606P |
| ANGG0808P | 1/2"   | 1/2"   | 50      | X-ANGG0808P |
| ANGG1212P | 3/4"   | 3/4"   | 10      | X-ANGG1212P |
| ANGG1616P | 1"     | 1"     | 5       | X-ANGG1616P |
| ANGG2020P | 1.1/4" | 1.1/4" | 5       | X-ANGG2020P |
| ANGG2424P | 1.1/2" | 1.1/2" | 5       | X-ANGG2424P |
| ANGG3232P | 2"     | 2"     | 4       | X-ANGG3232P |



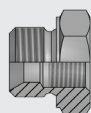
**PROLONGADOR MACHO BSPP  
HEMBRA FIJA BSPP**

| CÓDIGO      | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|--------|---------|---------------|
| APMFG0230.5 | 1/8"   | 1/8"   | 100     | X-APMFG0230.5 |
| APMFG0433   | 1/4"   | 1/4"   | 200     | X-APMFG0433   |
| APMFG0442   | 1/4"   | 1/4"   | 150     | X-APMFG0442   |
| APMFG0450   | 1/4"   | 1/4"   | 100     | X-APMFG0450   |
| APMFG0455   | 1/4"   | 1/4"   | 100     | X-APMFG0455   |
| APMFG0635   | 3/8"   | 3/8"   | 150     | X-APMFG0635   |
| APMFG0642   | 3/8"   | 3/8"   | 100     | X-APMFG0642   |
| APMFG0654   | 3/8"   | 3/8"   | 75      | X-APMFG0654   |
| APMFG0840   | 1/2"   | 1/2"   | 75      | X-APMFG0840   |
| APMFG0845   | 1/2"   | 1/2"   | 70      | X-APMFG0845   |
| APMFG0850   | 1/2"   | 1/2"   | 50      | X-APMFG0850   |
| APMFG0860   | 1/2"   | 1/2"   | 40      | X-APMFG0860   |
| APMFG1248   | 3/4"   | 3/4"   | 40      | X-APMFG1248   |
| APMFG1257   | 3/4"   | 3/4"   | 35      | X-APMFG1257   |
| APMFG1267   | 3/4"   | 3/4"   | 25      | X-APMFG1267   |
| APMFG1272   | 3/4"   | 3/4"   | 25      | X-APMFG1272   |
| APMFG1654   | 1"     | 1"     | 25      | X-APMFG1654   |
| APMFG1660   | 1"     | 1"     | 20      | X-APMFG1660   |
| APMFG1680   | 1"     | 1"     | 15      | X-APMFG1680   |
| APMFG2062   | 1.1/4" | 1.1/4" | 15      | X-APMFG2062   |
| APMFG2092   | 1.1/4" | 1.1/4" | 10      | X-APMFG2092   |
| APMFG2465   | 1.1/2" | 1.1/2" | 10      | X-APMFG2465   |
| APMFG2495   | 1.1/2" | 1.1/2" | 5       | X-APMFG2495   |
| APMFG3257   | 2"     | 2"     | 5       | X-APMFG3257   |
| APMFG3262   | 2"     | 2"     | 5       | X-APMFG3262   |



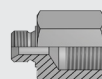
**PASATABIQUES  
MÉTRICO**

| CÓDIGO    | MÉTRICO | MÉTRICO | Ud/Caja |
|-----------|---------|---------|---------|
| ANMM1414P | 14X1.5  | 14X1.5  | 20      |
| ANMM1616P | 16X1.5  | 16X1.5  | 20      |
| ANMM1818P | 18X1.5  | 18X1.5  | 20      |
| ANMM2222P | 22X1.5  | 22X1.5  | 20      |



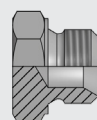
TAPON REDUCTOR MACHO BSPP  
HEMBRA FIJA BSPP

| CÓDIGO    | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|-----------|--------|--------|---------|-------------|
| ARMFC0402 | 1/4"   | 1/8"   | 200     | X-ARMFC0402 |
| ARMFC0602 | 3/8"   | 1/8"   | 100     | X-ARMFC0602 |
| ARMFC0604 | 3/8"   | 1/4"   | 200     | X-ARMFC0604 |
| ARMFC0802 | 1/2"   | 1/8"   | 25      | X-ARMFC0802 |
| ARMFC0804 | 1/2"   | 1/4"   | 150     | X-ARMFC0804 |
| ARMFC0806 | 1/2"   | 3/8"   | 150     | X-ARMFC0806 |
| ARMFC1204 | 3/4"   | 1/4"   | 100     | X-ARMFC1204 |
| ARMFC1206 | 3/4"   | 3/8"   | 100     | X-ARMFC1206 |
| ARMFC1208 | 3/4"   | 1/2"   | 100     | X-ARMFC1208 |
| ARMFC1604 | 1"     | 1/4"   | 10      | X-ARMFC1604 |
| ARMFC1606 | 1"     | 3/8"   | 10      | X-ARMFC1606 |
| ARMFC1608 | 1"     | 1/2"   | 50      | X-ARMFC1608 |
| ARMFC1612 | 1"     | 3/4"   | 50      | X-ARMFC1612 |
| ARMFC2008 | 1.1/4" | 1/2"   | 30      | X-ARMFC2008 |
| ARMFC2012 | 1.1/4" | 3/4"   | 25      | X-ARMFC2012 |
| ARMFC2016 | 1.1/4" | 1"     | 25      | X-ARMFC2016 |
| ARMFC2408 | 1.1/2" | 1/2"   | 20      | X-ARMFC2408 |
| ARMFC2412 | 1.1/2" | 3/4"   | 20      | X-ARMFC2412 |
| ARMFC2416 | 1.1/2" | 1"     | 20      | X-ARMFC2416 |
| ARMFC2420 | 1.1/2" | 1.1/4" | 20      | X-ARMFC2420 |
| ARMFC3216 | 2"     | 1"     | 10      | X-ARMFC3216 |
| ARMFC3220 | 2"     | 1.1/4" | 5       | X-ARMFC3220 |
| ARMFC3224 | 2"     | 1.1/2" | 5       | X-ARMFC3224 |



REDUCTOR MACHO BSPP  
HEMBRA FIJA BSPP

| CÓDIGO    | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|-----------|--------|--------|---------|-------------|
| ARMFL0204 | 1/8"   | 1/4"   | 100     | X-ARMFL0204 |
| ARMFL0206 | 1/8"   | 3/8"   | 50      | X-ARMFL0206 |
| ARMFL0402 | 1/4"   | 1/8"   | 50      | X-ARMFL0402 |
| ARMFL0406 | 1/4"   | 3/8"   | 150     | X-ARMFL0406 |
| ARMFL0408 | 1/4"   | 1/2"   | 75      | X-ARMFL0408 |
| ARMFL0412 | 1/4"   | 3/4"   | 50      | X-ARMFL0412 |
| ARMFL0604 | 3/8"   | 1/4"   | 150     | X-ARMFL0604 |
| ARMFL0608 | 3/8"   | 1/2"   | 75      | X-ARMFL0608 |
| ARMFL0612 | 3/8"   | 3/4"   | 50      | X-ARMFL0612 |
| ARMFL0616 | 3/8"   | 1"     | 25      | X-ARMFL0616 |
| ARMFL0804 | 1/2"   | 1/4"   | 75      | X-ARMFL0804 |
| ARMFL0806 | 1/2"   | 3/8"   | 75      | X-ARMFL0806 |
| ARMFL0812 | 1/2"   | 3/4"   | 50      | X-ARMFL0812 |
| ARMFL0816 | 1/2"   | 1"     | 10      | X-ARMFL0816 |
| ARMFL0820 | 1/2"   | 1.1/4" | 10      | X-ARMFL0820 |
| ARMFL0824 | 1/2"   | 1.1/2" | 5       | X-ARMFL0824 |
| ARMFL1204 | 3/4"   | 1/4"   | 20      | X-ARMFL1204 |
| ARMFL1206 | 3/4"   | 3/8"   | 35      | X-ARMFL1206 |
| ARMFL1208 | 3/4"   | 1/2"   | 40      | X-ARMFL1208 |
| ARMFL1216 | 3/4"   | 1"     | 25      | X-ARMFL1216 |
| ARMFL1220 | 3/4"   | 1.1/4" | 15      | X-ARMFL1220 |
| ARMFL1224 | 3/4"   | 1.1/2" | 15      | X-ARMFL1224 |
| ARMFL1606 | 1"     | 3/8"   | 15      | X-ARMFL1606 |
| ARMFL1608 | 1"     | 1/2"   | 15      | X-ARMFL1608 |
| ARMFL1612 | 1"     | 3/4"   | 20      | X-ARMFL1612 |
| ARMFL1620 | 1"     | 1.1/4" | 10      | X-ARMFL1620 |
| ARMFL1624 | 1"     | 1.1/2" | 10      | X-ARMFL1624 |
| ARMFL1632 | 1"     | 2"     | 10      | X-ARMFL1632 |
| ARMFL2012 | 1.1/4" | 3/4"   | 10      | X-ARMFL2012 |
| ARMFL2016 | 1.1/4" | 1"     | 10      | X-ARMFL2016 |
| ARMFL2024 | 1.1/4" | 1.1/2" | 10      | X-ARMFL2024 |
| ARMFL2032 | 1.1/4" | 2"     | 5       | X-ARMFL2032 |
| ARMFL2412 | 1.1/2" | 3/4"   | 10      | X-ARMFL2412 |
| ARMFL2416 | 1.1/2" | 1"     | 10      | X-ARMFL2416 |
| ARMFL2420 | 1.1/2" | 1.1/4" | 10      | X-ARMFL2420 |
| ARMFL2432 | 1.1/2" | 2"     | 5       | X-ARMFL2432 |
| ARMFL3216 | 2"     | 1"     | 5       | X-ARMFL3216 |
| ARMFL3220 | 2"     | 1.1/4" | 5       | X-ARMFL3220 |
| ARMFL3224 | 2"     | 1.1/2" | 5       | X-ARMFL3224 |



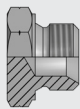
TAPON MACHO BSPP

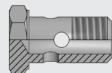
| CÓDIGO | BSPP   | TUERCA | Ud/Caja | CÓDIGO INOX |
|--------|--------|--------|---------|-------------|
| ATMG02 | 1/8"   | 14 MM  | 200     | X-ATMG02    |
| ATMG04 | 1/4"   | 19 MM  | 200     | X-ATMG04    |
| ATMG06 | 3/8"   | 22 MM  | 300     | X-ATMG06    |
| ATMG08 | 1/2"   | 27 MM  | 150     | X-ATMG08    |
| ATMG10 | 5/8"   | 30 MM  | 20      | X-ATMG10    |
| ATMG12 | 3/4"   | 32 MM  | 100     | X-ATMG12    |
| ATMG16 | 1"     | 41 MM  | 50      | X-ATMG16    |
| ATMG20 | 1.1/4" | 50 MM  | 20      | X-ATMG20    |
| ATMG24 | 1.1/2" | 55 MM  | 20      | X-ATMG24    |
| ATMG32 | 2"     | 70 MM  | 10      | X-ATMG32    |

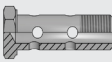


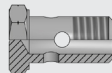
TAPON HEMBRA GIRATORIA BSPP

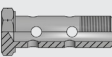
| CÓDIGO | BSPP   | TUERCA | Ud/Caja | CÓDIGO INOX |
|--------|--------|--------|---------|-------------|
| ATFG02 | 1/8"   | 15 MM  | 100     | X-ATFG02    |
| ATFG04 | 1/4"   | 19 MM  | 200     | X-ATFG04    |
| ATFG06 | 3/8"   | 22 MM  | 100     | X-ATFG06    |
| ATFG08 | 1/2"   | 27 MM  | 100     | X-ATFG08    |
| ATFG10 | 5/8"   | 28 MM  | 50      | X-ATFG10    |
| ATFG12 | 3/4"   | 32 MM  | 75      | XATFG12     |
| ATFG16 | 1"     | 38 MM  | 50      | X-ATFG16    |
| ATFG20 | 1.1/4" | 50 MM  | 20      | X-ATFG20    |
| ATFG24 | 1.1/2" | 55 MM  | 20      | X-ATFG24    |
| ATFG32 | 2"     | 70 MM  | 5       | X-ATFG32    |

|  <b>TAPON MACHO MÉTRICO</b> |         |         |              |
|--------------------------------------------------------------------------------------------------------------|---------|---------|--------------|
| CÓDIGO                                                                                                       | MÉTRICO | Ud/Caja | CÓDIGO INOX  |
| ATMM08                                                                                                       | 8X1     | 50      | X-ATMM08     |
| ATMM10                                                                                                       | 10X1    | 50      | X-ATMM10     |
| ATMM10X1,5                                                                                                   | 10X1.5  | 50      | X-ATMM10X1,5 |
| ATMM12                                                                                                       | 12X1.5  | 50      | X-ATMM12     |
| ATMM14                                                                                                       | 14X1.5  | 50      | X-ATMM14     |
| ATMM16                                                                                                       | 16X1.5  | 50      | X-ATMM16     |
| ATMM18                                                                                                       | 18X1.5  | 50      | X-ATMM18     |
| ATMM20                                                                                                       | 20X1.5  | 25      | X-ATMM20     |
| ATMM22                                                                                                       | 22X1.5  | 50      | X-ATMM22     |
| ATMM24                                                                                                       | 24X1.5  | 25      | X-ATMM24     |
| ATMM26                                                                                                       | 26X1.5  | 25      | X-ATMM26     |
| ATMM28                                                                                                       | 28X1.5  | 25      | X-ATMM28     |
| ATMM30                                                                                                       | 30X1.5  | 25      | X-ATMM30     |

|  <b>TORNILLO ORIENTABLE<br/>SIMPLE BSPP</b> |        |         |             |
|-------------------------------------------------------------------------------------------------------------------------------|--------|---------|-------------|
| CÓDIGO                                                                                                                        | BSPP   | Ud/Caja | CÓDIGO INOX |
| ABFG02                                                                                                                        | 1/8"   | 300     | X-ABFG02    |
| ABFG04                                                                                                                        | 1/4"   | 250     | X-ABFG04    |
| ABFG06                                                                                                                        | 3/8"   | 150     | X-ABFG06    |
| ABFG08                                                                                                                        | 1/2"   | 75      | X-ABFG08    |
| ABFG10                                                                                                                        | 5/8"   | 20      | X-ABFG10    |
| ABFG12                                                                                                                        | 3/4"   | 50      | X-ABFG12    |
| ABFG16                                                                                                                        | 1"     | 25      | X-ABFG16    |
| ABFG20                                                                                                                        | 1.1/4" | 10      | X-ABFG20    |
| ABFG24                                                                                                                        | 1.1/2" | 10      | X-ABFG24    |

|  <b>TORNILLO<br/>ORIENTABLE<br/>DOBLE BSPP</b> |        |         |
|---------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                          | BSPP   | Ud/Caja |
| ABFDG02                                                                                                                         | 1/8"   | 50      |
| ABFDG04                                                                                                                         | 1/4"   | 200     |
| ABFDG06                                                                                                                         | 3/8"   | 100     |
| ABFDG08                                                                                                                         | 1/2"   | 40      |
| ABFDG10                                                                                                                         | 5/8"   | 20      |
| ABFDG12                                                                                                                         | 3/4"   | 10      |
| ABFDG16                                                                                                                         | 1"     | 5       |
| ABFDG20                                                                                                                         | 1.1/4" | 5       |
| ABFDG24                                                                                                                         | 1.1/2" | 5       |

|  <b>TORNILLO<br/>ORIENTABLE<br/>SIMPLE MÉTRICO</b> |         |         |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| CÓDIGO                                                                                                                               | MÉTRICO | Ud/Caja |
| ABFM06                                                                                                                               | 6X1     | 50      |
| ABFM08                                                                                                                               | 8X1     | 50      |
| ABFM08X1.25                                                                                                                          | 8X1.25  | 50      |
| ABFM08X1.5                                                                                                                           | 8X1.5   | 50      |
| ABFM10                                                                                                                               | 10X1    | 100     |
| ABFM10X1.25                                                                                                                          | 10X1.25 | 50      |
| ABFM10X1.5                                                                                                                           | 10X1.5  | 50      |
| ABFM12                                                                                                                               | 12X1.5  | 100     |
| ABFM12X1                                                                                                                             | 12X1    | 50      |
| ABFM12X1.25                                                                                                                          | 12X1.25 | 50      |
| ABFM14                                                                                                                               | 14X1.5  | 100     |
| ABFM16                                                                                                                               | 16X1.5  | 100     |
| ABFM18                                                                                                                               | 18X1.5  | 50      |
| ABFM20                                                                                                                               | 20X1.5  | 50      |
| ABFM22                                                                                                                               | 22X1.5  | 50      |
| ABFM24                                                                                                                               | 24X1.5  | 20      |
| ABFM24X2                                                                                                                             | 24X2    | 20      |
| ABFM26                                                                                                                               | 26X1.5  | 10      |
| ABFM30                                                                                                                               | 30X1.5  | 10      |

|  <b>TORNILLO<br/>ORIENTABLE<br/>DOBLE MÉTRICO</b> |         |         |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| CÓDIGO                                                                                                                               | MÉTRICO | Ud/Caja |
| ABFDM08                                                                                                                              | 8X1     | 50      |
| ABFDM08X1.25                                                                                                                         | 8X1.25  | 50      |
| ABFDM10                                                                                                                              | 10X1    | 50      |
| ABFDM10X1.25                                                                                                                         | 10X1.25 | 50      |
| ABFDM12                                                                                                                              | 12X1.5  | 50      |
| ABFDM12X1.25                                                                                                                         | 12X1.25 | 50      |
| ABFDM14                                                                                                                              | 14X1.5  | 50      |
| ABFDM16                                                                                                                              | 16X1.5  | 50      |
| ABFDM18                                                                                                                              | 18X1.5  | 40      |
| ABFDM20                                                                                                                              | 20X1.5  | 50      |
| ABFDM22                                                                                                                              | 22X1.5  | 50      |
| ABFDM26                                                                                                                              | 26X1.5  | 20      |



ESFÉRICO SOLDABLE BSPP

| CÓDIGO   | BSPP | TUBO  | Ud/Caja |
|----------|------|-------|---------|
| AOSG0206 | 1/8" | 6 MM  | 100     |
| AOSG0406 | 1/4" | 6 MM  | 100     |
| AOSG0408 | 1/4" | 8 MM  | 100     |
| AOSG0410 | 1/4" | 10 MM | 100     |
| AOSG0412 | 1/4" | 12 MM | 100     |
| AOSG0610 | 3/8" | 10 MM | 50      |
| AOSG0612 | 3/8" | 12 MM | 50      |
| AOSG0614 | 3/8" | 14 MM | 50      |
| AOSG0615 | 3/8" | 15 MM | 50      |
| AOSG0812 | 1/2" | 12 MM | 25      |
| AOSG0814 | 1/2" | 14 MM | 25      |
| AOSG0815 | 1/2" | 15 MM | 25      |
| AOSG0816 | 1/2" | 16 MM | 25      |
| AOSG0818 | 1/2" | 18 MM | 25      |
| AOSG1018 | 5/8" | 18 MM | 10      |
| AOSG1022 | 5/8" | 22 MM | 10      |
| AOSG1218 | 3/4" | 18 MM | 10      |
| AOSG1220 | 3/4" | 20 MM | 10      |
| AOSG1222 | 3/4" | 22 MM | 10      |
| AOSG1625 | 1"   | 25 MM | 10      |
| AOSG1627 | 1"   | 27 MM | 10      |



ESFÉRICO ROSCADO BSPP

| CÓDIGO   | BSPP | BSPP | Ud/Caja |
|----------|------|------|---------|
| AOFG0202 | 1/8" | 1/8" | 50      |
| AOFG0404 | 1/4" | 1/4" | 250     |
| AOFG0604 | 1/4" | 1/4" | 50      |
| AOFG0606 | 3/8" | 3/8" | 50      |
| AOFG0608 | 1/2" | 1/2" | 20      |
| AOFG0804 | 1/4" | 1/4" | 20      |
| AOFG0806 | 3/8" | 3/8" | 50      |
| AOFG0808 | 1/2" | 1/2" | 50      |
| AOFG1208 | 1/2" | 1/2" | 25      |
| AOFG1212 | 3/4" | 3/4" | 25      |
| AOFG1612 | 3/4" | 3/4" | 10      |
| AOFG1616 | 1"   | 1"   | 10      |

ESFÉRICO BSPP  
MACHO MÉTRICO

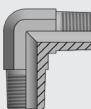
| CÓDIGO    | MÉTRICO | Ud/Caja |
|-----------|---------|---------|
| AOFGM0414 | 14X1.5  | 25      |
| AOFGM0614 | 14X1.5  | 25      |
| AOFGM0616 | 16X1.5  | 25      |
| AOFGM0618 | 18X1.5  | 25      |
| AOFGM0818 | 18X1.5  | 25      |
| AOFGM0822 | 22X1.5  | 25      |

CODO 90° MACHO BSPP  
MACHO BSPP

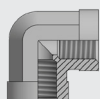
| CÓDIGO | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|--------|--------|--------|---------|-------------|
| LMG02  | 1/8"   | 1/8"   | 20      | X-LMG02     |
| LMG04  | 1/4"   | 1/4"   | 20      | X-LMG04     |
| LMG06  | 3/8"   | 3/8"   | 20      | X-LMG06     |
| LMG08  | 1/2"   | 1/2"   | 20      | X-LMG08     |
| LMG10  | 5/8"   | 5/8"   | 10      | X-LMG10     |
| LMG12  | 3/4"   | 3/4"   | 10      | X-LMG12     |
| LMG16  | 1"     | 1"     | 5       | X-LMG16     |
| LMG20  | 1.1/4" | 1.1/4" | 5       | X-LMG20     |

CODO CUADRADO  
90° MACHO  
MACHO BSPP

| CÓDIGO        | Ø TUBO |
|---------------|--------|
| R1801-4-4-C   | 1/4"   |
| R1801-6-6-C   | 3/8"   |
| R1801-8-8-C   | 1/2"   |
| R1801-12-12-C | 3/4"   |
| R1801-16-16-C | 1"     |

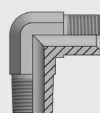
CODO 90° MACHO NPT  
MACHO NPT (FUSS)

| CÓDIGO | NPT    | NPT    | Ud/Caja |
|--------|--------|--------|---------|
| LMN02  | 1/8"   | 1/8"   | 20      |
| LMN04  | 1/4"   | 1/4"   | 20      |
| LMN06  | 3/8"   | 3/8"   | 20      |
| LMN08  | 1/2"   | 1/2"   | 20      |
| LMN12  | 3/4"   | 3/4"   | 10      |
| LMN16  | 1"     | 1"     | 5       |
| LMN20  | 1.1/4" | 1.1/4" | 5       |



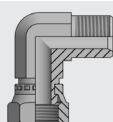
CODO 90° HEMBRA FIJA BSPP  
HEMBRA FIJA BSPP

| CÓDIGO | BSPP | BSPP | Ud/Caja | CÓDIGO INOX |
|--------|------|------|---------|-------------|
| LFFG02 | 1/8" | 1/8" | 20      | X-LFFG02    |
| LFFG04 | 1/4" | 1/4" | 20      | X-LFFG04    |
| LFFG06 | 3/8" | 3/8" | 20      | X-LFFG06    |
| LFFG08 | 1/2" | 1/2" | 10      | X-LFFG08    |
| LFFG12 | 3/4" | 3/4" | 5       | X-LFFG12    |
| LFFG16 | 1"   | 1"   | 5       | X-LFFG16    |



CODO 90° MACHO BSPP  
MACHO CÓNICO

| CÓDIGO     | BSPT   | BSPT   | Ud/Caja |
|------------|--------|--------|---------|
| LMGK02MG02 | 1/8"   | 1/8"   | 20      |
| LMGK04MG04 | 1/4"   | 1/4"   | 20      |
| LMGK06MG06 | 3/8"   | 3/8"   | 20      |
| LMGK08MG08 | 1/2"   | 1/2"   | 20      |
| LMGK08MG10 | 1/2"   | 1/2"   | 10      |
| LMGK12MG12 | 3/4"   | 3/4"   | 10      |
| LMGK16MG16 | 1"     | 1"     | 5       |
| LMGK20MG20 | 1.1/4" | 1.1/4" | 5       |



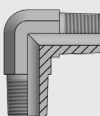
CODO 90° MACHO BSPP  
HEMBRA GIRATORIA BSPP

| CÓDIGO     | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX  |
|------------|--------|--------|---------|--------------|
| LMG02FGG02 | 1/8"   | 1/8"   | 20      | X-LMG02FGG02 |
| LMG04FGG04 | 1/4"   | 1/4"   | 20      | X-LMG04FGG04 |
| LMG06FGG06 | 3/8"   | 3/8"   | 20      | X-LMG06FGG06 |
| LMG08FGG08 | 1/2"   | 1/2"   | 20      | X-LMG08FGG08 |
| LMG12FGG12 | 3/4"   | 3/4"   | 10      | X-LMG12FGG12 |
| LMG16FGG16 | 1"     | 1"     | 5       | X-LMG16FGG16 |
| LMG20FGG20 | 1.1/4" | 1.1/4" | 5       | X-LMG20FGG20 |



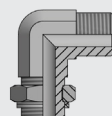
CODO CUADRADO  
90° MACHO BSPP  
HEMBRA GIRATORIA

| CÓDIGO        | Ø TUBO |
|---------------|--------|
| R1806-4-4-C   | 1/4"   |
| R1806-6-6-C   | 3/8"   |
| R1806-8-8-C   | 1/2"   |
| R1806-12-12-C | 3/4"   |
| R1806-16-16-C | 1"     |
| R1806-20-20-C | 1.1/4" |
| R1806-24-24-C | 1.1/2" |
| R1806-32-32-C | 2"     |



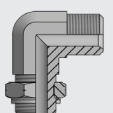
CODO 90° MACHO CÓNICO  
MACHO CÓNICO

| CÓDIGO | BSPT   | BSPT   | Ud/Caja |
|--------|--------|--------|---------|
| LMGK02 | 1/8"   | 1/8"   | 20      |
| LMGK04 | 1/4"   | 1/4"   | 20      |
| LMGK06 | 3/8"   | 3/8"   | 20      |
| LMGK08 | 1/2"   | 1/2"   | 10      |
| LMGK12 | 3/4"   | 3/4"   | 10      |
| LMGK16 | 1"     | 1"     | 5       |
| LMGK20 | 1.1/4" | 1.1/4" | 5       |



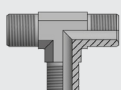
CODO 90° ORIENTABLE  
MACHO BSPP  
MACHO BSPP

| CÓDIGO     | BSPP | BSPP | Ud/Caja |
|------------|------|------|---------|
| LMG02MOG02 | 1/8" | 1/8" | 20      |
| LMG02MOG04 | 1/8" | 1/4" | 20      |
| LMG04MOG04 | 1/4" | 1/4" | 20      |
| LMG04MOG06 | 1/4" | 3/8" | 20      |
| LMG06MOG06 | 3/8" | 3/8" | 20      |
| LMG06MOG08 | 3/8" | 1/2" | 20      |
| LMG08MOG08 | 1/2" | 1/2" | 20      |
| LMG08MOG12 | 1/2" | 3/4" | 10      |
| LMG12MOG08 | 3/4" | 1/2" | 10      |
| LMG12MOG12 | 3/4" | 3/4" | 10      |
| LMG12MOG16 | 3/4" | 1"   | 10      |
| LMG16MOG16 | 1"   | 1"   | 10      |



**CODO 90° ORIENTABLE  
MACHO MÉTRICO  
MACHO MÉTRICO**

| CÓDIGO      | MÉTRICO | MÉTRICO | Ud/Caja |
|-------------|---------|---------|---------|
| LMM10MOMR12 | 10X1    | 12X1.5  | 1       |
| LMM12MOMR12 | 12X1.5  | 12X1.5  | 1       |
| LMM12MOMR14 | 12X1.5  | 14X1.5  | 1       |
| LMM14MOMR14 | 14X1.5  | 14X1.5  | 1       |
| LMM14MOMR16 | 14X1.5  | 16X1.5  | 1       |
| LMM16MOMR16 | 16X1.5  | 16X1.5  | 1       |
| LMM16MOMR18 | 16X1.5  | 18X1.5  | 1       |
| LMM18MOMR18 | 18X1.5  | 18X1.5  | 10      |
| LMM18MOMR22 | 18X1.5  | 22X1.5  | 5       |
| LMM22MOMR22 | 22X1.5  | 22X1.5  | 1       |
| LMM26MOMR22 | 26X1.5  | 22X1.5  | 1       |
| LMM26MOMR27 | 26X1.5  | 27X2    | 1       |
| LMM30MOMR27 | 30X1.5  | 27X2    | 1       |
| LMM30MOMR33 | 30X1.5  | 33X2    | 1       |



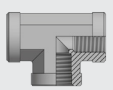
**ADAPTADOR T  
MACHO BSPP**

| CÓDIGO | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX |
|--------|--------|--------|---------|-------------|
| TMG02  | 1/8"   | 1/8"   | 20      | X-TMG02     |
| TMG04  | 1/4"   | 1/4"   | 20      | X-TMG04     |
| TMG06  | 3/8"   | 3/8"   | 20      | X-TMG06     |
| TMG08  | 1/2"   | 1/2"   | 20      | X-TMG08     |
| TMG10  | 5/8"   | 5/8"   | 10      | X-TMG10     |
| TMG12  | 3/4"   | 3/4"   | 10      | X-TMG12     |
| TMG16  | 1"     | 1"     | 5       | X-TMG16     |
| TMG20  | 1.1/4" | 1.1/4" | 5       | X-TMG20     |



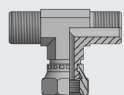
**TE CUADRADA  
MACHO MACHO  
MACHO BSPP**

| CÓDIGO        | Ø TUBO |
|---------------|--------|
| R1811-4-4-C   | 1/4"   |
| R1811-6-6-C   | 3/8"   |
| R1811-8-8-C   | 1/2"   |
| R1811-12-12-C | 3/4"   |
| R1811-16-16-C | 1"     |
| R1811-20-20-C | 1.1/4" |
| R1811-24-24-C | 1.1/2" |
| R1811-32-32-C | 2"     |



**ADAPTADOR T  
HEMBRA BSPP**

| CÓDIGO | BSPP | BSPP | Ud/Caja | CÓDIGO INOX |
|--------|------|------|---------|-------------|
| TFFG04 | 1/4" | 1/4" | 20      | X-TFFG04    |
| TFFG06 | 3/8" | 3/8" | 20      | X-TFFG06    |
| TFFG08 | 1/2" | 1/2" | 20      | X-TFFG08    |
| TFFG12 | 3/4" | 3/4" | 10      | X-TFFG12    |
| TFFG16 | 1"   | 1"   | 5       | X-TFFG16    |



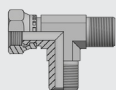
ADAPTADOR T MACHO BSPP  
HEMBRA GIRATORIA BSPP  
MACHO BSPP

| CÓDIGO      | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|--------|---------|---------------|
| TMG02FGG02P | 1/8"   | 1/8"   | 20      | X-TMG02FGG02P |
| TMG04FGG04P | 1/4"   | 1/4"   | 20      | X-TMG04FGG04P |
| TMG06FGG06P | 3/8"   | 3/8"   | 20      | X-TMG06FGG06P |
| TMG08FGG08P | 1/2"   | 1/2"   | 20      | X-TMG08FGG08P |
| TMG12FGG12P | 3/4"   | 3/4"   | 5       | X-TMG12FGG12P |
| TMG16FGG16P | 1"     | 1"     | 5       | X-TMG16FGG16P |
| TMG20FGG20P | 1.1/4" | 1.1/4" | 5       | X-TMG20FGG20P |



TE CUADRADA  
MACHO BSPP  
HEMBRA GIRATORIA  
CENTRAL  
MACHO

| CÓDIGO    | Ø TUBO |
|-----------|--------|
| R1816-4C  | 1/4"   |
| R1816-6C  | 3/8"   |
| R1816-8C  | 1/2"   |
| R1816-12C | 3/4"   |
| R1816-16C | 1"     |
| R1816-20C | 1.1/4" |



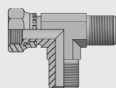
ADAPTADOR T  
MACHO BSPP  
MACHO BSPP  
HEMBRA GIRATORIA BSPP

| CÓDIGO      | BSPP   | BSPP   | Ud/Caja | CÓDIGO INOX   |
|-------------|--------|--------|---------|---------------|
| TMG02FGG02B | 1/8"   | 1/8"   | 20      | X-TMG02FGG02B |
| TMG04FGG04B | 1/4"   | 1/4"   | 20      | X-TMG04FGG04B |
| TMG06FGG06B | 3/8"   | 3/8"   | 20      | X-TMG06FGG06B |
| TMG08FGG08B | 1/2"   | 1/2"   | 20      | X-TMG08FGG08B |
| TMG12FGG12B | 3/4"   | 3/4"   | 5       | X-TMG12FGG12B |
| TMG16FGG16B | 1"     | 1"     | 5       | X-TMG16FGG16B |
| TMG20FGG20B | 1.1/4" | 1.1/4" | 5       | X-TMG20FGG20B |



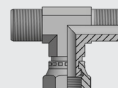
TE CUADRADA  
MACHO MACHO  
BSPP  
HEMBRA GIRATORIA  
LATERAL

| CÓDIGO    | Ø TUBO |
|-----------|--------|
| R1816-4L  | 1/4"   |
| R1816-6L  | 3/8"   |
| R1816-8L  | 1/2"   |
| R1816-12L | 3/4"   |
| R1816-16L | 1"     |
| R1816-20L | 1.1/4" |



ADAPTADOR T  
MACHO MÉTRICO  
MACHO MÉTRICO  
HEMBRA GIRATORIA MÉTRICA

| CÓDIGO      | MÉTRICO | MÉTRICO | Ud/Caja |
|-------------|---------|---------|---------|
| TMM12FGM12B | 12X1.5  | 12X1.5  | 20      |
| TMM14FGM14B | 14X1.5  | 14X1.5  | 20      |
| TMM16FGM16B | 16X1.5  | 16X1.5  | 20      |
| TMM18FGM18B | 18X1.5  | 18X1.5  | 20      |
| TMM20FGM20B | 20X1.5  | 20X1.5  | 10      |
| TMM22FGM22B | 22X1.5  | 22X1.5  | 10      |
| TMM26FGM26B | 26X1.5  | 26X1.5  | 5       |
| TMM30FGM30B | 30X1.5  | 30X1.5  | 5       |



ADAPTADOR T  
MACHO MÉTRICO  
HEMBRA GIRATORIA MÉTRICA  
MACHO MÉTRICO

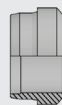
| CÓDIGO      | MÉTRICO | MÉTRICO | Ud/Caja |
|-------------|---------|---------|---------|
| TMM12FGM12P | 12X1.5  | 12X1.5  | 20      |
| TMM14FGM14P | 14X1.5  | 14X1.5  | 20      |
| TMM16FGM16P | 16X1.5  | 16X1.5  | 20      |
| TMM18FGM18P | 18X1.5  | 18X1.5  | 20      |
| TMM20FGM20P | 20X1.5  | 20X1.5  | 10      |
| TMM22FGM22P | 22X1.5  | 22X1.5  | 10      |
| TMM26FGM26P | 26X1.5  | 26X1.5  | 5       |
| TMM30FGM30P | 30X1.5  | 30X1.5  | 5       |

# ADAPTADORES DIN



TUERCA DIN 3870

| CÓDIGO | MÉTRICO | Ud/Caja |
|--------|---------|---------|
| DL06   | 12X1.5  | 250     |
| DL08   | 14X1.5  | 200     |
| DL10   | 16X1.5  | 150     |
| DL12   | 18X1.5  | 300     |
| DL15   | 22X1.5  | 200     |
| DL18   | 26X1.5  | 100     |
| DL22   | 30X2    | 75      |
| DL28   | 36X2    | 150     |
| DL35   | 45X2    | 80      |
| DL42   | 52X2    | 50      |
| DS06   | 14X1.5  | 500     |
| DS08   | 16X1.5  | 300     |
| DS10   | 18X1.5  | 300     |
| DS12   | 20X1.5  | 500     |
| DS14   | 22X1.5  | 150     |
| DS16   | 24X1.5  | 100     |
| DS20   | 30X2    | 50      |
| DS25   | 36X2    | 25      |
| DS30   | 42X2    | 70      |
| DS38   | 52X2    | 40      |

ANILLO DOBLE  
CORTE

| CÓDIGO  | Ø TUBO | Ud/Caja |
|---------|--------|---------|
| ADTLS06 | 6L/S   | 1.500   |
| ADTLS08 | 8L/S   | 2.500   |
| ADTLS10 | 10L/S  | 1.500   |
| ADTLS12 | 12L/S  | 1.200   |
| ADTL15  | 15L    | 250     |
| ADTL18  | 18L    | 200     |
| ADTL22  | 22L    | 150     |
| ADTL28  | 28L    | 100     |
| ADTL35  | 35L    | 300     |
| ADTL42  | 42L    | 250     |
| ADTS14  | 14S    | 300     |
| ADTS16  | 16S    | 800     |
| ADTS20  | 20S    | 450     |
| ADTS25  | 25S    | 600     |
| ADTS30  | 30S    | 400     |
| ADTS38  | 38S    | 250     |





**ADAPTADOR RECTO  
MACHO DIN  
A MACHO GAS C/JUNTA**

| CÓDIGO         | MÉTRICO | BSPP   | Ud/Caja |
|----------------|---------|--------|---------|
| AME06LMG02EL.1 | 12X1.5  | 1/8"   | 250     |
| AME06LMG04EL.1 | 12X1.5  | 1/4"   | 150     |
| AME06LMG06EL.1 | 12X1.5  | 3/8"   | 100     |
| AME08LMG02EL.1 | 14X1.5  | 1/8"   | 100     |
| AME08LMG04EL.1 | 14X1.5  | 1/4"   | 150     |
| AME08LMG06EL.1 | 14X1.5  | 3/8"   | 100     |
| AME08LMG08EL.1 | 14X1.5  | 1/2"   | 150     |
| AME10LMG02EL.1 | 16X1.5  | 1/8"   | 50      |
| AME10LMG04EL.1 | 16X1.5  | 1/4"   | 200     |
| AME10LMG06EL.1 | 16X1.5  | 3/8"   | 200     |
| AME10LMG08EL.1 | 16X1.5  | 1/2"   | 100     |
| AME12LMG04EL.1 | 18X1.5  | 1/4"   | 200     |
| AME12LMG06EL.1 | 18X1.5  | 3/8"   | 200     |
| AME12LMG08EL.1 | 18X1.5  | 1/2"   | 100     |
| AME15LMG06EL.1 | 22X1.5  | 3/8"   | 100     |
| AME15LMG08EL.1 | 22X1.5  | 1/2"   | 100     |
| AME15LMG12EL.1 | 22X1.5  | 3/4"   | 50      |
| AME18LMG08EL.1 | 26X1.5  | 1/2"   | 100     |
| AME18LMG12EL.1 | 26X1.5  | 3/4"   | 50      |
| AME22LMG08EL.1 | 30X2    | 1/2"   | 50      |
| AME22LMG12EL.1 | 30X2    | 3/4"   | 50      |
| AME22LMG16EL.1 | 30X2    | 1"     | 10      |
| AME28LMG12EL.1 | 36X2    | 3/4"   | 10      |
| AME28LMG16EL.1 | 36X2    | 1"     | 10      |
| AME35LMG16EL.1 | 45X2    | 1"     | 5       |
| AME35LMG20EL.1 | 45X2    | 1.1/4" | 20      |
| AME42LMG24EL.1 | 52X2    | 1.1/2" | 5       |
| AME06SMG04EL.1 | 14X1.5  | 1/4"   | 20      |
| AME08SMG04EL.1 | 16X1.5  | 1/4"   | 100     |
| AME08SMG06EL.1 | 16X1.5  | 3/8"   | 20      |
| AME10SMG04EL.1 | 18X1.5  | 1/4"   | 50      |
| AME10SMG06EL.1 | 18X1.5  | 3/8"   | 50      |
| AME10SMG08EL.1 | 18X1.5  | 1/2"   | 50      |
| AME12SMG04EL.1 | 20X1.5  | 1/4"   | 50      |
| AME12SMG06EL.1 | 20X1.5  | 3/8"   | 100     |
| AME12SMG08EL.1 | 20X1.5  | 1/2"   | 100     |
| AME14SMG06EL.1 | 22X1.5  | 3/8"   | 20      |
| AME14SMG08EL.1 | 22X1.5  | 1/2"   | 20      |
| AME16SMG06EL.1 | 24X1.5  | 3/8"   | 20      |
| AME16SMG08EL.1 | 24X1.5  | 1/2"   | 100     |
| AME16SMG12EL.1 | 24X1.5  | 3/4"   | 20      |
| AME20SMG08EL.1 | 30X2    | 1/2"   | 20      |
| AME20SMG12EL.1 | 30X2    | 3/4"   | 50      |
| AME20SMG16EL.1 | 30X2    | 1"     | 10      |
| AME25SMG12EL.1 | 36X2    | 3/4"   | 20      |
| AME25SMG16EL.1 | 36X2    | 1"     | 20      |
| AME30SMG16EL.1 | 42X2    | 1"     | 20      |
| AME30SMG20EL.1 | 42X2    | 1.1/4" | 5       |
| AME38SMG20EL.1 | 52X2    | 1.1/4" | 5       |
| AME38SMG24EL.1 | 52X2    | 1.1/2" | 5       |

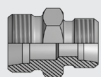
Solo cuerpo.



**ADAPTADOR RECTO  
MACHO DIN  
A MACHO BSP C 60°**

| CÓDIGO         | MÉTRICO | BSPP   | Ud/Caja |
|----------------|---------|--------|---------|
| AME06LMG02SV.1 | 12X1.5  | 1/8"   | 50      |
| AME06LMG04SV.1 | 12X1.5  | 1/4"   | 50      |
| AME06LMG06SV.1 | 12X1.5  | 3/8"   | 50      |
| AME06LMG08SV.1 | 12X1.5  | 1/2"   | 20      |
| AME08LMG02SV.1 | 14X1.5  | 1/8"   | 20      |
| AME08LMG04SV.1 | 14X1.5  | 1/4"   | 50      |
| AME08LMG06SV.1 | 14X1.5  | 3/8"   | 50      |
| AME08LMG08SV.1 | 14X1.5  | 1/2"   | 20      |
| AME10LMG02SV.1 | 16X1.5  | 1/8"   | 20      |
| AME10LMG04SV.1 | 16X1.5  | 1/4"   | 150     |
| AME10LMG06SV.1 | 16X1.5  | 3/8"   | 50      |
| AME10LMG08SV.1 | 16X1.5  | 1/2"   | 50      |
| AME12LMG04SV.1 | 18X1.5  | 1/4"   | 100     |
| AME12LMG06SV.1 | 18X1.5  | 3/8"   | 150     |
| AME12LMG08SV.1 | 18X1.5  | 1/2"   | 50      |
| AME12LMG12SV.1 | 18X1.5  | 3/4"   | 20      |
| AME15LMG06SV.1 | 22X1.5  | 3/8"   | 50      |
| AME15LMG08SV.1 | 22X1.5  | 1/2"   | 100     |
| AME15LMG12SV.1 | 22X1.5  | 3/4"   | 20      |
| AME18LMG06SV.1 | 26X1.5  | 3/8"   | 20      |
| AME18LMG08SV.1 | 26X1.5  | 1/2"   | 50      |
| AME18LMG12SV.1 | 26X1.5  | 3/4"   | 20      |
| AME22LMG08SV.1 | 30X2    | 1/2"   | 20      |
| AME22LMG12SV.1 | 30X2    | 3/4"   | 20      |
| AME22LMG16SV.1 | 30X2    | 1"     | 5       |
| AME28LMG12SV.1 | 36X2    | 3/4"   | 5       |
| AME28LMG16SV.1 | 36X2    | 1"     | 10      |
| AME35LMG16SV.1 | 45X2    | 1"     | 5       |
| AME35LMG20SV.1 | 45X2    | 1.1/4" | 5       |
| AME42LMG20SV.1 | 52X2    | 1.1/4" | 5       |
| AME42LMG24SV.1 | 52X2    | 1.1/2" | 5       |
| AME06SMG04SV.1 | 14X1.5  | 1/4"   | 20      |
| AME06SMG08SV.1 | 14X1.5  | 1/2"   | 20      |
| AME08SMG04SV.1 | 16X1.5  | 1/4"   | 20      |
| AME08SMG06SV.1 | 16X1.5  | 3/8"   | 20      |
| AME10SMG04SV.1 | 18X1.5  | 1/4"   | 50      |
| AME10SMG06SV.1 | 18X1.5  | 3/8"   | 20      |
| AME10SMG08SV.1 | 18X1.5  | 1/2"   | 20      |
| AME12SMG04SV.1 | 20X1.5  | 1/4"   | 20      |
| AME12SMG06SV.1 | 20X1.5  | 3/8"   | 50      |
| AME12SMG08SV.1 | 20X1.5  | 1/2"   | 100     |
| AME14SMG06SV.1 | 22X1.5  | 3/8"   | 20      |
| AME14SMG08SV.1 | 22X1.5  | 1/2"   | 20      |
| AME16SMG06SV.1 | 24X1.5  | 3/8"   | 20      |
| AME16SMG08SV.1 | 24X1.5  | 1/2"   | 50      |
| AME16SMG12SV.1 | 24X1.5  | 3/4"   | 10      |
| AME20SMG08SV.1 | 30X2    | 1/2"   | 10      |
| AME20SMG12SV.1 | 30X2    | 3/4"   | 10      |
| AME20SMG16SV.1 | 30X2    | 1"     | 5       |
| AME25SMG12SV.1 | 36X2    | 3/4"   | 5       |
| AME25SMG16SV.1 | 36X2    | 1"     | 5       |
| AME30SMG16SV.1 | 42X2    | 1"     | 5       |
| AME30SMG20SV.1 | 42X2    | 1.1/4" | 5       |
| AME38SMG20SV.1 | 52X2    | 1.1/4" | 5       |
| AME38SMG24SV.1 | 52X2    | 1.1/2" | 5       |

Solo cuerpo.



**RACOR UNIÓN EN  
REDUCCIÓN TUBO - TUBO**

| CÓDIGO     | MÉTRICO | MÉTRICO | Ud/Caja |
|------------|---------|---------|---------|
| AME0806L.1 | 14X1.5  | 12X1.5  | 20      |
| AME1006L.1 | 16X1.5  | 12X1.5  | 20      |
| AME1008L.1 | 16X1.5  | 14X1.5  | 20      |
| AME1206L.1 | 18X1.5  | 12X1.5  | 20      |
| AME1208L.1 | 18X1.5  | 14X1.5  | 50      |
| AME1210L.1 | 18X1.5  | 16X1.5  | 100     |
| AME1510L.1 | 22X1.5  | 16X1.5  | 20      |
| AME1512L.1 | 22X1.5  | 18X1.5  | 20      |
| AME1810L.1 | 26X1.5  | 16X1.5  | 20      |
| AME1812L.1 | 26X1.5  | 18X1.5  | 10      |
| AME1815L.1 | 26X1.5  | 22X1.5  | 10      |
| AME2212L.1 | 30X2    | 18X1.5  | 20      |
| AME2215L.1 | 30X2    | 22X1.5  | 20      |
| AME2218L.1 | 30X2    | 26X1.5  | 10      |
| AME2818L.1 | 36X2    | 26X1.5  | 5       |
| AME2822L.1 | 36X2    | 30X2    | 5       |
| AME3522L.1 | 45X2    | 30X2    | 5       |
| AME3528L.1 | 45X2    | 36X2    | 5       |
| AME0806S.1 | 16X1.5  | 14X1.5  | 20      |
| AME1006S.1 | 18X1.5  | 14X1.5  | 20      |
| AME1008S.1 | 18X1.5  | 16X1.5  | 20      |
| AME1206S.1 | 20X1.5  | 14X1.5  | 20      |
| AME1208S.1 | 20X1.5  | 16X1.5  | 20      |
| AME1210S.1 | 20X1.5  | 18X1.5  | 20      |
| AME1410S.1 | 22X1.5  | 18X1.5  | 10      |
| AME1412S.1 | 22X1.5  | 20X1.5  | 10      |
| AME1612S.1 | 24X1.5  | 20X1.5  | 10      |
| AME1614S.1 | 24X1.5  | 22X1.5  | 10      |
| AME2010S.1 | 30X2    | 18X1.5  | 5       |
| AME2012S.1 | 30X2    | 20X1.5  | 10      |
| AME2014S.1 | 30X2    | 22X1.5  | 5       |
| AME2016S.1 | 30X2    | 24X1.5  | 10      |
| AME2516S.1 | 36X2    | 24X1.5  | 5       |
| AME2520S.1 | 36X2    | 30X2    | 5       |
| AME3020S.1 | 42X2    | 30X2    | 5       |
| AME3025S.1 | 42X2    | 36X2    | 5       |
| AME3825S.1 | 52X2    | 36X2    | 5       |
| AME3830S.1 | 52X2    | 42X2    | 5       |

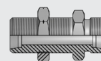
Solo cuerpo.



**RACOR RECTO  
TUBO - TUBO**

| CÓDIGO   | MÉTRICO | MÉTRICO | Ud/Caja |
|----------|---------|---------|---------|
| AME06L.1 | 12X1.5  | 12X1.5  | 200     |
| AME08L.1 | 14X1.5  | 14X1.5  | 200     |
| AME10L.1 | 16X1.5  | 16X1.5  | 300     |
| AME12L.1 | 18X1.5  | 18X1.5  | 300     |
| AME15L.1 | 22X1.5  | 22X1.5  | 50      |
| AME18L.1 | 26X1.5  | 26X1.5  | 50      |
| AME22L.1 | 30X2    | 30X2    | 50      |
| AME28L.1 | 36X2    | 36X2    | 10      |
| AME35L.1 | 45X2    | 45X2    | 10      |
| AME42L.1 | 52X2    | 52X2    | 5       |
| AME06S.1 | 14X1.5  | 14X1.5  | 50      |
| AME08S.1 | 16X1.5  | 16X1.5  | 100     |
| AME10S.1 | 18X1.5  | 18X1.5  | 100     |
| AME12S.1 | 20X1.5  | 20X1.5  | 100     |
| AME14S.1 | 22X1.5  | 22X1.5  | 50      |
| AME16S.1 | 24X1.5  | 24X1.5  | 100     |
| AME20S.1 | 30X2    | 30X2    | 50      |
| AME25S.1 | 36X2    | 36X2    | 20      |
| AME30S.1 | 42X2    | 42X2    | 20      |
| AME38S.1 | 52X2    | 52X2    | 5       |

Solo cuerpo.



**RACOR RECTO PASATABIQUE  
TUBO - TUBO**

| CÓDIGO     | MÉTRICO | MÉTRICO | Ud/Caja |
|------------|---------|---------|---------|
| APPME06L.1 | 12X1.5  | 12X1.5  | 50      |
| APPME08L.1 | 14X1.5  | 14X1.5  | 50      |
| APPME10L.1 | 16X1.5  | 16X1.5  | 50      |
| APPME12L.1 | 18X1.5  | 18X1.5  | 100     |
| APPME15L.1 | 22X1.5  | 22X1.5  | 50      |
| APPME18L.1 | 26X1.5  | 26X1.5  | 10      |
| APPME22L.1 | 30X2    | 30X2    | 5       |
| APPME28L.1 | 36X2    | 36X2    | 5       |
| APPME35L.1 | 45X2    | 45X2    | 5       |
| APPME42L.1 | 52X2    | 52X2    | 5       |
| APPME06S.1 | 14X1.5  | 14X1.5  | 20      |
| APPME08S.1 | 16X1.5  | 16X1.5  | 20      |
| APPME10S.1 | 18X1.5  | 18X1.5  | 20      |
| APPME12S.1 | 20X1.5  | 20X1.5  | 20      |
| APPME14S.1 | 22X1.5  | 22X1.5  | 10      |
| APPME16S.1 | 24X1.5  | 24X1.5  | 10      |
| APPME20S.1 | 30X2    | 30X2    | 5       |
| APPME25S.1 | 36X2    | 36X2    | 5       |
| APPME30S.1 | 42X2    | 42X2    | 5       |
| APPME38S.1 | 52X2    | 52X2    | 5       |

Solo cuerpo.



**ADAPTADOR MACHO DIN  
HEMбра BSPP**

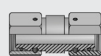
| CÓDIGO        | MÉTRICO | BSPP   | Ud/Caja |
|---------------|---------|--------|---------|
| AME06LFFG02.1 | 12X1.5  | 1/8"   | 50      |
| AME08LFFG04.1 | 14X1.5  | 1/4"   | 20      |
| AME10LFFG04.1 | 16X1.5  | 1/4"   | 50      |
| AME12LFFG06.1 | 18X1.5  | 3/8"   | 50      |
| AME15LFFG08.1 | 22X1.5  | 1/2"   | 20      |
| AME18LFFG08.1 | 26X1.5  | 1/2"   | 20      |
| AME22LFFG12.1 | 30X2    | 3/4"   | 10      |
| AME28LFFG16.1 | 36X2    | 1"     | 5       |
| AME35LFFG20.1 | 45X2    | 1.1/4" | 5       |
| AME42LFFG24.1 | 52X2    | 1.1/2" | 5       |
| AME06SFFG04.1 | 14X1.5  | 1/4"   | 20      |
| AME08SFFG04.1 | 16X1.5  | 1/4"   | 20      |
| AME10SFFG06.1 | 18X1.5  | 3/8"   | 20      |
| AME12SFFG06.1 | 20X1.5  | 3/8"   | 10      |
| AME14SFFG08.1 | 22X1.5  | 1/2"   | 10      |
| AME16SFFG08.1 | 24X1.5  | 1/2"   | 10      |
| AME20SFFG12.1 | 30X2    | 3/4"   | 5       |
| AME25SFFG16.1 | 36X2    | 1"     | 5       |
| AME30SFFG20.1 | 42X2    | 1.1/4" | 5       |
| AME38SFFG24.1 | 52X2    | 1.1/2" | 5       |

Solo cuerpo.



**ADAPTADOR CON  
TUERCA LOCA  
DIN MACHO BSPP  
CON JUNTA O-RING**

| CÓDIGO       | MÉTRICO | BSPP   | Ud/Caja |
|--------------|---------|--------|---------|
| AFE06LMG02EL | 12X1.5  | 1/8"   | 40      |
| AFE08LMG04EL | 14X1.5  | 1/4"   | 40      |
| AFE10LMG04EL | 16X1.5  | 1/4"   | 50      |
| AFE12LMG06EL | 18X1.5  | 3/8"   | 100     |
| AFE15LMG08EL | 22X1.5  | 1/2"   | 50      |
| AFE18LMG08EL | 26X1.5  | 1/2"   | 20      |
| AFE22LMG12EL | 30X2    | 3/4"   | 40      |
| AFE28LMG16EL | 36X2    | 1"     | 20      |
| AFE35LMG20EL | 45X2    | 1.1/4" | 5       |
| AFE42LMG24EL | 52X2    | 1.1/2" | 5       |
| AFE06SMG04EL | 14X1.5  | 1/4"   | 20      |
| AFE08SMG04EL | 16X1.5  | 1/4"   | 20      |
| AFE10SMG06EL | 18X1.5  | 3/8"   | 20      |
| AFE12SMG06EL | 20X1.5  | 3/8"   | 50      |
| AFE14SMG08EL | 22X1.5  | 1/2"   | 10      |
| AFE16SMG08EL | 24X1.5  | 1/2"   | 50      |
| AFE20SMG12EL | 30X2    | 3/4"   | 20      |
| AFE25SMG16EL | 36X2    | 1"     | 10      |
| AFE30SMG20EL | 42X2    | 1.1/4" | 10      |
| AFE38SMG24EL | 52X2    | 1.1/2" | 5       |



**UNIÓN TUERCA LOCA  
TUERCA LOCA MÉTRICA  
CON JUNTA**

| CÓDIGO | MÉTRICO | MÉTRICO | Ud/Caja |
|--------|---------|---------|---------|
| AFE06L | 12X1.5  | 12X1.5  | 40      |
| AFE08L | 14X1.5  | 14X1.5  | 30      |
| AFE10L | 16X1.5  | 16X1.5  | 40      |
| AFE12L | 18X1.5  | 18X1.5  | 50      |
| AFE15L | 22X1.5  | 22X1.5  | 50      |
| AFE18L | 26X1.5  | 26X1.5  | 20      |
| AFE22L | 30X2    | 30X2    | 10      |
| AFE28L | 36X2    | 36X2    | 5       |
| AFE35L | 45X2    | 45X2    | 5       |
| AFE42L | 52X2    | 52X2    | 5       |
| AFE06S | 14X1.5  | 14X1.5  | 10      |
| AFE08S | 16X1.5  | 16X1.5  | 20      |
| AFE10S | 18X1.5  | 18X1.5  | 20      |
| AFE12S | 20X1.5  | 20X1.5  | 20      |
| AFE14S | 22X1.5  | 22X1.5  | 5       |
| AFE16S | 24X1.5  | 24X1.5  | 10      |
| AFE20S | 30X2    | 30X2    | 10      |
| AFE25S | 36X2    | 36X2    | 5       |
| AFE30S | 42X2    | 42X2    | 5       |
| AFE38S | 52X2    | 52X2    | 5       |



REDUCCIÓN  
MACHO TUERCA LOCA DIN  
CON JUNTA TÓRICA

| CÓDIGO        | MÉTRICO | MÉTRICO | Ud/Caja |
|---------------|---------|---------|---------|
| AFE08LME06L.1 | 14X1.5  | 12X1.5  | 20      |
| AFE10LME06L.1 | 16X1.5  | 12X1.5  | 20      |
| AFE10LME08L.1 | 16X1.5  | 14X1.5  | 20      |
| AFE12LME06L.1 | 18X1.5  | 12X1.5  | 10      |
| AFE12LME08L.1 | 18X1.5  | 14X1.5  | 30      |
| AFE12LME10L.1 | 18X1.5  | 16X1.5  | 30      |
| AFE15LME06L.1 | 22X1.5  | 12X1.5  | 10      |
| AFE15LME08L.1 | 22X1.5  | 14X1.5  | 5       |
| AFE15LME10L.1 | 22X1.5  | 16X1.5  | 20      |
| AFE15LME12L.1 | 22X1.5  | 18X1.5  | 20      |
| AFE18LME06L.1 | 26X1.5  | 12X1.5  | 10      |
| AFE18LME08L.1 | 26X1.5  | 14X1.5  | 10      |
| AFE18LME10L.1 | 26X1.5  | 16X1.5  | 10      |
| AFE18LME12L.1 | 26X1.5  | 18X1.5  | 10      |
| AFE18LME15L.1 | 26X1.5  | 22X1.5  | 20      |
| AFE22LME06L.1 | 30X2    | 12X1.5  | 5       |
| AFE22LME08L.1 | 30X2    | 14X1.5  | 5       |
| AFE22LME10L.1 | 30X2    | 16X1.5  | 10      |
| AFE22LME12L.1 | 30X2    | 18X1.5  | 10      |
| AFE22LME15L.1 | 30X2    | 22X1.5  | 20      |
| AFE22LME18L.1 | 30X2    | 26X1.5  | 5       |
| AFE28LME06L.1 | 36X2    | 12X1.5  | 5       |
| AFE28LME08L.1 | 36X2    | 14X1.5  | 5       |
| AFE28LME10L.1 | 36X2    | 16X1.5  | 5       |
| AFE28LME12L.1 | 36X2    | 18X1.5  | 5       |
| AFE28LME15L.1 | 36X2    | 22X1.5  | 5       |
| AFE28LME18L.1 | 36X2    | 26X1.5  | 5       |
| AFE28LME22L.1 | 36X2    | 30X2    | 5       |
| AFE35LME06L.1 | 45X2    | 12X1.5  | 5       |
| AFE35LME08L.1 | 45X2    | 14X1.5  | 5       |
| AFE35LME10L.1 | 45X2    | 16X1.5  | 5       |
| AFE35LME12L.1 | 45X2    | 18X1.5  | 5       |
| AFE35LME15L.1 | 45X2    | 22X1.5  | 5       |
| AFE35LME18L.1 | 45X2    | 26X1.5  | 5       |
| AFE35LME22L.1 | 45X2    | 30X2    | 5       |
| AFE35LME28L.1 | 45X2    | 36X2    | 10      |
| AFE42LME06L.1 | 52X2    | 12X1.5  | 5       |
| AFE42LME08L.1 | 52X2    | 14X1.5  | 5       |
| AFE42LME10L.1 | 52X2    | 16X1.5  | 5       |
| AFE42LME12L.1 | 52X2    | 18X1.5  | 5       |
| AFE42LME15L.1 | 52X2    | 22X1.5  | 5       |
| AFE42LME18L.1 | 52X2    | 26X1.5  | 5       |
| AFE42LME22L.1 | 52X2    | 30X2    | 5       |
| AFE42LME28L.1 | 52X2    | 36X2    | 5       |
| AFE42LME35L.1 | 52X2    | 42X2    | 5       |

Solo cuerpo.



REDUCCIÓN  
MACHO TUERCA LOCA DIN  
CON JUNTA TÓRICA

| CÓDIGO        | MÉTRICO | MÉTRICO | Ud/Caja |
|---------------|---------|---------|---------|
| AFE08SME06S.1 | 16X1.5  | 14X1.5  | 10      |
| AFE10SME06S.1 | 18X1.5  | 14X1.5  | 10      |
| AFE10SME08S.1 | 18X1.5  | 16X1.5  | 10      |
| AFE12SME06S.1 | 20X1.5  | 14X1.5  | 10      |
| AFE12SME08S.1 | 20X1.5  | 16X1.5  | 10      |
| AFE12SME10S.1 | 20X1.5  | 18X1.5  | 10      |
| AFE14SME06S.1 | 22X1.5  | 14X1.5  | 5       |
| AFE14SME08S.1 | 22X1.5  | 16X1.5  | 5       |
| AFE14SME10S.1 | 22X1.5  | 18X1.5  | 5       |
| AFE14SME12S.1 | 22X1.5  | 20X1.5  | 5       |
| AFE16SME06S.1 | 24X1.5  | 14X1.5  | 5       |
| AFE16SME08S.1 | 24X1.5  | 16X1.5  | 5       |
| AFE16SME10S.1 | 24X1.5  | 18X1.5  | 20      |
| AFE16SME12S.1 | 24X1.5  | 20X1.5  | 20      |
| AFE16SME14S.1 | 24X1.5  | 22X1.5  | 5       |
| AFE20SME06S.1 | 30X2    | 14X1.5  | 5       |
| AFE20SME08S.1 | 30X2    | 16X1.5  | 5       |
| AFE20SME10S.1 | 30X2    | 18X1.5  | 5       |
| AFE20SME12S.1 | 30X2    | 20X1.5  | 5       |
| AFE20SME14S.1 | 30X2    | 22X1.5  | 5       |
| AFE20SME16S.1 | 30X2    | 24X1.5  | 20      |
| AFE25SME06S.1 | 36X2    | 14X1.5  | 5       |
| AFE25SME08S.1 | 36X2    | 16X1.5  | 5       |
| AFE25SME10S.1 | 36X2    | 18X1.5  | 5       |
| AFE25SME12S.1 | 36X2    | 20X1.5  | 5       |
| AFE25SME14S.1 | 36X2    | 22X1.5  | 5       |
| AFE25SME16S.1 | 36X2    | 24X1.5  | 5       |
| AFE25SME20S.1 | 36X2    | 30X2    | 5       |
| AFE30SME06S.1 | 42X2    | 14X1.5  | 5       |
| AFE30SME08S.1 | 42X2    | 16X1.5  | 5       |
| AFE30SME10S.1 | 42X2    | 18X1.5  | 5       |
| AFE30SME12S.1 | 42X2    | 20X1.5  | 5       |
| AFE30SME14S.1 | 42X2    | 22X1.5  | 5       |
| AFE30SME16S.1 | 42X2    | 24X1.5  | 5       |
| AFE30SME20S.1 | 42X2    | 30X2    | 5       |
| AFE30SME25S.1 | 42X2    | 36X2    | 5       |
| AFE38SME06S.1 | 52X2    | 14X1.5  | 5       |
| AFE38SME08S.1 | 52X2    | 16X1.5  | 5       |
| AFE38SME10S.1 | 52X2    | 18X1.5  | 5       |
| AFE38SME12S.1 | 52X2    | 20X1.5  | 5       |
| AFE38SME14S.1 | 52X2    | 22X1.5  | 5       |
| AFE38SME16S.1 | 52X2    | 24X1.5  | 5       |
| AFE38SME20S.1 | 52X2    | 30X2    | 5       |
| AFE38SME25S.1 | 52X2    | 36X2    | 5       |
| AFE38SME30S.1 | 52X2    | 42X2    | 5       |

Solo cuerpo.

|  <b>BOQUILLA PARA SOLDAR DIN 3865 A ISO 8434-4 CON JUNTA</b> |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                                        | Ø TUBO | Ud/Caja |
| TLS06W                                                                                                                                        | 6      | 20      |
| TLS08W                                                                                                                                        | 8      | 20      |
| TLS10W                                                                                                                                        | 10     | 20      |
| TLS12W                                                                                                                                        | 12     | 20      |
| TL15W                                                                                                                                         | 15     | 10      |
| TL18W                                                                                                                                         | 18     | 10      |
| TL22W                                                                                                                                         | 22     | 5       |
| TL28W                                                                                                                                         | 28     | 5       |
| TL35W                                                                                                                                         | 35     | 5       |
| TL42W                                                                                                                                         | 42     | 5       |
| TS14W                                                                                                                                         | 14     | 10      |
| TS16W                                                                                                                                         | 16     | 10      |
| TS20W                                                                                                                                         | 20     | 5       |
| TS25W                                                                                                                                         | 25     | 5       |
| TS30W                                                                                                                                         | 30     | 5       |
| TS38W                                                                                                                                         | 38     | 5       |

|  <b>CONO DE CIERRE HEMBRA DIN CON JUNTA TÓRICA</b> |        |         |
|-------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| CÓDIGO                                                                                                                              | Ø TUBO | Ud/Caja |
| ATFGE06L                                                                                                                            | 6L     | 100     |
| ATFGE08L                                                                                                                            | 8L     | 100     |
| ATFGE10L                                                                                                                            | 10L    | 100     |
| ATFGE12L                                                                                                                            | 12L    | 200     |
| ATFGE15L                                                                                                                            | 15L    | 50      |
| ATFGE18L                                                                                                                            | 18L    | 50      |
| ATFGE22L                                                                                                                            | 22L    | 50      |
| ATFGE28L                                                                                                                            | 28L    | 20      |
| ATFGE35L                                                                                                                            | 35L    | 10      |
| ATFGE42L                                                                                                                            | 42L    | 10      |
| ATFGE06S                                                                                                                            | 6S     | 50      |
| ATFGE08S                                                                                                                            | 8S     | 50      |
| ATFGE10S                                                                                                                            | 10S    | 100     |
| ATFGE12S                                                                                                                            | 12S    | 100     |
| ATFGE14S                                                                                                                            | 14S    | 20      |
| ATFGE16S                                                                                                                            | 16S    | 50      |
| ATFGE20S                                                                                                                            | 20S    | 50      |
| ATFGE25S                                                                                                                            | 25S    | 20      |
| ATFGE30S                                                                                                                            | 30S    | 10      |
| ATFGE38S                                                                                                                            | 38S    | 10      |

|  <b>TAPÓN MACHO DIN 24°</b> |         |        |         |
|----------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| CÓDIGO                                                                                                         | MÉTRICO | Ø TUBO | Ud/Caja |
| ATME06L.1                                                                                                      | 12X1.5  | 6L     | 50      |
| ATME08L.1                                                                                                      | 14X1.5  | 8L     | 50      |
| ATME10L.1                                                                                                      | 16X1.5  | 10L    | 50      |
| ATME12L.1                                                                                                      | 18X1.5  | 12L    | 50      |
| ATME15L.1                                                                                                      | 22X1.5  | 15L    | 50      |
| ATME18L.1                                                                                                      | 26X1.5  | 18L    | 20      |
| ATME22L.1                                                                                                      | 30X2    | 22L    | 20      |
| ATME28L.1                                                                                                      | 36X2    | 28L    | 10      |
| ATME35L.1                                                                                                      | 45X2    | 35L    | 5       |
| ATME42L.1                                                                                                      | 52X2    | 42L    | 5       |
| ATME06S.1                                                                                                      | 14X1.5  | 6S     | 20      |
| ATME08S.1                                                                                                      | 16X1.5  | 8S     | 20      |
| ATME10S.1                                                                                                      | 18X1.5  | 10S    | 20      |
| ATME12S.1                                                                                                      | 20X1.5  | 12S    | 20      |
| ATME14S.1                                                                                                      | 22X1.5  | 14S    | 20      |
| ATME16S.1                                                                                                      | 24X1.5  | 16S    | 20      |
| ATME20S.1                                                                                                      | 30X2    | 20S    | 20      |
| ATME25S.1                                                                                                      | 36X2    | 25S    | 10      |
| ATME30S.1                                                                                                      | 42X2    | 30S    | 5       |
| ATME38S.1                                                                                                      | 52X2    | 38S    | 5       |

|  <b>REDUCCIÓN CON ROSCA MACHO-HEMBRA FIJA CON JUNTA TÓRICA</b> |        |      |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|
| CÓDIGO                                                                                                                                            | BSP    | BSP  | Ud/Caja |
| ARMG06ELFFG02                                                                                                                                     | 3/8"   | 1/8" | 20      |
| ARMG08ELFFG02                                                                                                                                     | 1/2"   | 1/8" | 20      |
| ARMG08ELFFG04                                                                                                                                     | 1/2"   | 1/4" | 50      |
| ARMG12ELFFG04                                                                                                                                     | 3/4"   | 1/4" | 20      |
| ARMG12ELFFG06                                                                                                                                     | 3/4"   | 3/8" | 20      |
| ARMG16ELFFG04                                                                                                                                     | 1"     | 1/4" | 10      |
| ARMG16ELFFG06                                                                                                                                     | 1"     | 3/8" | 10      |
| ARMG16ELFFG08                                                                                                                                     | 1"     | 1/2" | 10      |
| ARMG20ELFFG08                                                                                                                                     | 1.1/4" | 1/2" | 5       |
| ARMG20ELFFG12                                                                                                                                     | 1.1/4" | 3/4" | 5       |
| ARMG24ELFFG08                                                                                                                                     | 1.1/2" | 1/2" | 5       |
| ARMG24ELFFG12                                                                                                                                     | 1.1/2" | 3/4" | 5       |
| ARMG24ELFFG16                                                                                                                                     | 1.1/2" | 1"   | 5       |

Solo cuerpo.



**TAPON DE CIERRE  
ALLEN  
CON JUNTA  
TÓRICA  
FORMA E DIN 3852**

| CÓDIGO    | BSPP   | Ud/Caja |
|-----------|--------|---------|
| ATMG02ELX | 1/8"   | 200     |
| ATMG04ELX | 1/4"   | 200     |
| ATMG06ELX | 3/8"   | 200     |
| ATMG08ELX | 1/2"   | 100     |
| ATMG12ELX | 3/4"   | 50      |
| ATMG16ELX | 1"     | 20      |
| ATMG20ELX | 1.1/4" | 10      |
| ATMG24ELX | 1.1/2" | 5       |



**TAPON DE CIERRE  
ALLEN MÉTRICO  
CON JUNTA  
TÓRICA FORMA E  
DIN 3852**

| CÓDIGO    | MÉTRICO | Ud/Caja |
|-----------|---------|---------|
| ATMM10ELX | 10X1    | 100     |
| ATMM12ELX | 12X1.5  | 50      |
| ATMM14ELX | 14X1.5  | 50      |
| ATMM16ELX | 16X1.5  | 50      |
| ATMM18ELX | 18X1.5  | 50      |
| ATMM20ELX | 20X1.5  | 20      |
| ATMM22ELX | 22X1.5  | 50      |
| ATMM26ELX | 26X1.5  | 20      |
| ATMM27ELX | 27X2    | 20      |
| ATMM33ELX | 33X2    | 5       |
| ATMM42ELX | 42X2    | 5       |
| ATMM48ELX | 48X2    | 5       |



**CODO 90  
MACHO DIN  
MACHO BSPT  
(GAS CÓNICO)**

| CÓDIGO        | MÉTRICO | BSPT   | Ud/Caja |
|---------------|---------|--------|---------|
| LME06LMGK02.1 | 12X1.5  | 1/8"   | 20      |
| LME06LMGK04.1 | 12X1.5  | 1/4"   | 20      |
| LME08LMGK02.1 | 14X1.5  | 1/8"   | 20      |
| LME08LMGK04.1 | 14X1.5  | 1/4"   | 20      |
| LME08LMGK06.1 | 14X1.5  | 3/8"   | 20      |
| LME08LMGK08.1 | 14X1.5  | 1/2"   | 20      |
| LME10LMGK02.1 | 16X1.5  | 1/8"   | 20      |
| LME10LMGK04.1 | 16X1.5  | 1/4"   | 20      |
| LME10LMGK06.1 | 16X1.5  | 3/8"   | 20      |
| LME10LMGK08.1 | 16X1.5  | 1/2"   | 20      |
| LME12LMGK04.1 | 18X1.5  | 1/4"   | 20      |
| LME12LMGK06.1 | 18X1.5  | 3/8"   | 20      |
| LME12LMGK08.1 | 18X1.5  | 1/2"   | 20      |
| LME15LMGK06.1 | 22X1.5  | 3/8"   | 20      |
| LME15LMGK08.1 | 22X1.5  | 1/2"   | 20      |
| LME18LMGK08.1 | 26X1.5  | 1/2"   | 20      |
| LME18LMGK12.1 | 26X1.5  | 3/4"   | 10      |
| LME22LMGK12.1 | 30X2    | 3/4"   | 5       |
| LME28LMGK16.1 | 36X2    | 1"     | 5       |
| LME35LMGK20.1 | 45X2    | 1.1/4" | 5       |
| LME42LMGK24.1 | 52X2    | 1.1/2" | 5       |
| LME06SMGK04.1 | 14X1.5  | 1/4"   | 20      |
| LME08SMGK04.1 | 16X1.5  | 1/4"   | 20      |
| LME10SMGK06.1 | 18X1.5  | 3/8"   | 20      |
| LME12SMGK06.1 | 20X1.5  | 3/8"   | 20      |
| LME12SMGK08.1 | 20X1.5  | 1/2"   | 20      |
| LME14SMGK06.1 | 22X1.5  | 3/8"   | 20      |
| LME14SMGK08.1 | 22X1.5  | 1/2"   | 20      |
| LME16SMGK06.1 | 24X1.5  | 3/8"   | 10      |
| LME16SMGK08.1 | 24X1.5  | 1/2"   | 10      |
| LME20SMGK08.1 | 30X2    | 1/2"   | 5       |
| LME20SMGK12.1 | 30X2    | 3/4"   | 5       |
| LME25SMGK12.1 | 36X2    | 3/4"   | 5       |
| LME25SMGK16.1 | 36X2    | 1"     | 5       |
| LME30SMGK16.1 | 42X2    | 1"     | 5       |
| LME30SMGK20.1 | 42X2    | 1.1/4" | 5       |
| LME38SMGK24.1 | 52X2    | 1.1/2" | 5       |

Solo cuerpo.



**CODO 90  
MACHO DIN  
MACHO NPT**

| CÓDIGO       | MÉTRICO | NPT    | Ud/Caja |
|--------------|---------|--------|---------|
| LME06LMN02.1 | 12X1.5  | 1/8"   | 20      |
| LME06LMN04.1 | 12X1.5  | 1/4"   | 20      |
| LME08LMN02.1 | 14X1.5  | 1/8"   | 20      |
| LME08LMN04.1 | 14X1.5  | 1/4"   | 20      |
| LME08LMN06.1 | 14X1.5  | 3/8"   | 20      |
| LME08LMN08.1 | 14X1.5  | 1/2"   | 20      |
| LME10LMN02.1 | 16X1.5  | 1/8"   | 20      |
| LME10LMN04.1 | 16X1.5  | 1/4"   | 20      |
| LME10LMN06.1 | 16X1.5  | 3/8"   | 20      |
| LME10LMN08.1 | 16X1.5  | 1/2"   | 20      |
| LME12LMN04.1 | 18X1.5  | 1/4"   | 20      |
| LME12LMN06.1 | 18X1.5  | 3/8"   | 20      |
| LME12LMN08.1 | 18X1.5  | 1/2"   | 10      |
| LME15LMN06.1 | 22X1.5  | 3/8"   | 20      |
| LME15LMN08.1 | 22X1.5  | 1/2"   | 10      |
| LME18LMN08.1 | 26X1.5  | 1/2"   | 10      |
| LME18LMN12.1 | 26X1.5  | 3/4"   | 10      |
| LME22LMN12.1 | 30X2    | 3/4"   | 10      |
| LME28LMN16.1 | 36X2    | 1"     | 5       |
| LME35LMN20.1 | 45X2    | 1.1/4" | 5       |
| LME42LMN24.1 | 52X2    | 1.1/2" | 5       |
| LME06SMN04.1 | 14X1.5  | 1/4"   | 20      |
| LME08SMN04.1 | 16X1.5  | 1/4"   | 20      |
| LME10SMN06.1 | 18X1.5  | 3/8"   | 20      |
| LME12SMN06.1 | 20X1.5  | 3/8"   | 20      |
| LME12SMN08.1 | 20X1.5  | 1/2"   | 10      |
| LME14SMN06.1 | 22X1.5  | 3/8"   | 10      |
| LME14SMN08.1 | 22X1.5  | 1/2"   | 10      |
| LME16SMN06.1 | 24X1.5  | 3/8"   | 10      |
| LME16SMN08.1 | 24X1.5  | 1/2"   | 10      |
| LME20SMN08.1 | 30X2    | 1/2"   | 5       |
| LME20SMN12.1 | 30X2    | 3/4"   | 5       |
| LME25SMN12.1 | 36X2    | 3/4"   | 5       |
| LME25SMN16.1 | 36X2    | 1"     | 5       |
| LME30SMN16.1 | 42X2    | 1"     | 5       |
| LME30SMN20.1 | 42X2    | 1.1/4" | 5       |
| LME38SMN24.1 | 52X2    | 1.1/2" | 5       |

Solo cuerpo.

|  <b>CODO UNION<br/>TUBO-TUBO 90</b> |         |        |         |
|----------------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| CÓDIGO                                                                                                               | MÉTRICO | Ø TUBO | Ud/Caja |
| LME06L.1                                                                                                             | 12X1.5  | 6L     | 20      |
| LME08L.1                                                                                                             | 14X1.5  | 8L     | 20      |
| LME10L.1                                                                                                             | 16X1.5  | 10L    | 20      |
| LME12L.1                                                                                                             | 18X1.5  | 12L    | 20      |
| LME15L.1                                                                                                             | 22X1.5  | 15L    | 20      |
| LME18L.1                                                                                                             | 26X1.5  | 18L    | 20      |
| LME22L.1                                                                                                             | 30X2    | 22L    | 5       |
| LME28L.1                                                                                                             | 36X2    | 28L    | 5       |
| LME35L.1                                                                                                             | 45X2    | 35L    | 5       |
| LME42L.1                                                                                                             | 52X2    | 42L    | 5       |
| LME06S.1                                                                                                             | 14X1.5  | 6S     | 20      |
| LME08S.1                                                                                                             | 16X1.5  | 8S     | 20      |
| LME10S.1                                                                                                             | 18X1.5  | 10S    | 20      |
| LME12S.1                                                                                                             | 20X1.5  | 12S    | 20      |
| LME14S.1                                                                                                             | 22X1.5  | 14S    | 10      |
| LME16S.1                                                                                                             | 24X1.5  | 16S    | 10      |
| LME20S.1                                                                                                             | 30X2    | 20S    | 5       |
| LME25S.1                                                                                                             | 36X2    | 25S    | 5       |
| LME30S.1                                                                                                             | 42X2    | 30S    | 5       |
| LME38S.1                                                                                                             | 52X2    | 38S    | 5       |

Solo cuerpo.

|  <b>CODO 90 DIN<br/>ORIENTABLE<br/>CON JUNTA TÓRICA</b> |         |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| CÓDIGO                                                                                                                                   | MÉTRICO | Ø TUBO | Ud/Caja |
| LME06LFE06L.1                                                                                                                            | 12X1.5  | 6L     | 20      |
| LME08LFE08L.1                                                                                                                            | 14X1.5  | 8L     | 20      |
| LME10LFE10L.1                                                                                                                            | 16X1.5  | 10L    | 20      |
| LME12LFE12L.1                                                                                                                            | 18X1.5  | 12L    | 20      |
| LME15LFE15L.1                                                                                                                            | 22X1.5  | 15L    | 10      |
| LME18LFE18L.1                                                                                                                            | 26X1.5  | 18L    | 5       |
| LME22LFE22L.1                                                                                                                            | 30X2    | 22L    | 5       |
| LME28LFE28L.1                                                                                                                            | 36X2    | 28L    | 5       |
| LME35LFE35L.1                                                                                                                            | 45X2    | 35L    | 5       |
| LME42LFE42L.1                                                                                                                            | 52X2    | 42L    | 5       |
| LME06SFE06S.1                                                                                                                            | 14X1.5  | 6S     | 20      |
| LME08SFE08S.1                                                                                                                            | 16X1.5  | 8S     | 20      |
| LME10SFE10S.1                                                                                                                            | 18X1.5  | 10S    | 20      |
| LME12SFE12S.1                                                                                                                            | 20X1.5  | 12S    | 20      |
| LME14SFE14S.1                                                                                                                            | 22X1.5  | 14S    | 10      |
| LME16SFE16S.1                                                                                                                            | 24X1.5  | 16S    | 10      |
| LME20SFE20S.1                                                                                                                            | 30X2    | 20S    | 5       |
| LME25SFE25S.1                                                                                                                            | 36X2    | 25S    | 5       |
| LME30SFE30S.1                                                                                                                            | 42X2    | 30S    | 5       |
| LME38SFE38S.1                                                                                                                            | 52X2    | 38S    | 5       |

Solo cuerpo.



**RACOR UNIÓN EN T  
TUBO - TUBO**

| CÓDIGO   | MÉTRICO | Ø TUBO | Ud/Caja |
|----------|---------|--------|---------|
| TME06L.1 | 12X1.5  | 6L     | 20      |
| TME08L.1 | 14X1.5  | 8L     | 20      |
| TME10L.1 | 16X1.5  | 10L    | 20      |
| TME12L.1 | 18X1.5  | 12L    | 20      |
| TME15L.1 | 22X1.5  | 15L    | 20      |
| TME18L.1 | 26X1.5  | 18L    | 10      |
| TME22L.1 | 30X2    | 22L    | 5       |
| TME28L.1 | 36X2    | 28L    | 5       |
| TME35L.1 | 45X2    | 35L    | 5       |
| TME42L.1 | 52X2    | 42L    | 5       |
| TME06S.1 | 14X1.5  | 6S     | 20      |
| TME08S.1 | 16X1.5  | 8S     | 20      |
| TME10S.1 | 18X1.5  | 10S    | 20      |
| TME12S.1 | 20X1.5  | 12S    | 20      |
| TME14S.1 | 22X1.5  | 14S    | 10      |
| TME16S.1 | 24X1.5  | 16S    | 10      |
| TME20S.1 | 30X2    | 20S    | 5       |
| TME25S.1 | 36X2    | 25S    | 5       |
| TME30S.1 | 42X2    | 30S    | 5       |
| TME38S.1 | 52X2    | 38S    | 5       |

Solo cuerpo.



**T ORIENTABLE CENTRAL  
DIN CON JUNTA TÓRICA**

| CÓDIGO         | MÉTRICO | Ø TUBO | Ud/Caja |
|----------------|---------|--------|---------|
| TME06LFE06LP.1 | 12X1.5  | 6L     | 20      |
| TME08LFE08LP.1 | 14X1.5  | 8L     | 20      |
| TME10LFE10LP.1 | 16X1.5  | 10L    | 20      |
| TME12LFE12LP.1 | 18X1.5  | 12L    | 20      |
| TME15LFE15LP.1 | 22X1.5  | 15L    | 10      |
| TME18LFE18LP.1 | 26X1.5  | 18L    | 10      |
| TME22LFE22LP.1 | 30X2    | 22L    | 5       |
| TME28LFE28LP.1 | 36X2    | 28L    | 5       |
| TME35LFE35LP.1 | 45X2    | 35L    | 5       |
| TME42LFE42LP.1 | 52X2    | 42L    | 5       |
| TME06SFE06SP.1 | 14X1.5  | 6S     | 20      |
| TME08SFE08SP.1 | 16X1.5  | 8S     | 20      |
| TME10SFE10SP.1 | 18X1.5  | 10S    | 20      |
| TME12SFE12SP.1 | 20X1.5  | 12S    | 20      |
| TME14SFE14SP.1 | 22X1.5  | 14S    | 10      |
| TME16SFE16SP.1 | 24X1.5  | 16S    | 10      |
| TME20SFE20SP.1 | 30X2    | 20S    | 5       |
| TME25SFE25SP.1 | 36X2    | 25S    | 5       |
| TME30SFE30SP.1 | 42X2    | 30S    | 5       |
| TME38SFE38SP.1 | 52X2    | 38S    | 5       |

Solo cuerpo.



**T ORIENTABLE LATERAL  
DIN CON JUNTA TÓRICA**

| CÓDIGO         | MÉTRICO | Ø TUBO | Ud/Caja |
|----------------|---------|--------|---------|
| TME06LFE06LB.1 | 12X1.5  | 6L     | 20      |
| TME08LFE08LB.1 | 14X1.5  | 8L     | 20      |
| TME10LFE10LB.1 | 16X1.5  | 10L    | 20      |
| TME12LFE12LB.1 | 18X1.5  | 12L    | 20      |
| TME15LFE15LB.1 | 22X1.5  | 15L    | 10      |
| TME18LFE18LB.1 | 26X1.5  | 18L    | 10      |
| TME22LFE22LB.1 | 30X2    | 22L    | 5       |
| TME28LFE28LB.1 | 36X2    | 28L    | 5       |
| TME35LFE35LB.1 | 45X2    | 35L    | 5       |
| TME42LFE42LB.1 | 52X2    | 42L    | 5       |
| TME06SFE06SB.1 | 14X1.5  | 6S     | 20      |
| TME08SFE08SB.1 | 16X1.5  | 8S     | 20      |
| TME10SFE10SB.1 | 18X1.5  | 10S    | 20      |
| TME12SFE12SB.1 | 20X1.5  | 12S    | 20      |
| TME14SFE14SB.1 | 22X1.5  | 14S    | 10      |
| TME16SFE16SB.1 | 24X1.5  | 16S    | 10      |
| TME20SFE20SB.1 | 30X2    | 20S    | 5       |
| TME25SFE25SB.1 | 36X2    | 25S    | 5       |
| TME30SFE30SB.1 | 42X2    | 30S    | 5       |
| TME38SFE38SB.1 | 52X2    | 38S    | 5       |

Solo cuerpo.



# ADAPTADORES JIC

|  <b>FERULA JIC</b> |           |         |
|-----------------------------------------------------------------------------------------------------|-----------|---------|
| CÓDIGO                                                                                              | Ø TUBO    | Ud/Caja |
| ABJ06                                                                                               | 6-1/4"    | 1       |
| ABJ08                                                                                               | 8-5/16"   | 1       |
| ABJ10                                                                                               | 10        | 500     |
| ABJ12                                                                                               | 12        | 300     |
| ABJ14                                                                                               | 14        | 1       |
| ABJ15                                                                                               | 15        | 1       |
| ABJ16                                                                                               | 16-5/8"   | 200     |
| ABJ18                                                                                               | 18        | 1       |
| ABJ20                                                                                               | 20-3/4"   | 150     |
| ABJ22                                                                                               | 22        | 1       |
| ABJ25                                                                                               | 25-1"     | 100     |
| ABJ30                                                                                               | 30        | 1       |
| ABJ32                                                                                               | 32-1.1/4" | 1       |
| ABJ38                                                                                               | 38-1.1/2" | 1       |

|  <b>TUERCA JIC</b> |         |         |
|-----------------------------------------------------------------------------------------------------|---------|---------|
| CÓDIGO                                                                                              | Ø ROSCA | Ud/Caja |
| DBJ04                                                                                               | 7/16"   | 1       |
| DBJ05                                                                                               | 1/2"    | 1       |
| DBJ06                                                                                               | 9/16"   | 1       |
| DBJ08                                                                                               | 3/4"    | 1       |
| DBJ10                                                                                               | 7/8"    | 1       |
| DBJ12                                                                                               | 1.1/16" | 1       |
| DBJ16                                                                                               | 1.5/16" | 1       |
| DBJ20                                                                                               | 1.5/8"  | 1       |
| DBJ24                                                                                               | 1.7/8"  | 1       |

|  <b>ADAPTADOR MACHO-MACHO JIC</b> |         |         |         |
|----------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| CÓDIGO                                                                                                               | JIC     | JIC     | Ud/Caja |
| AMJ0404                                                                                                              | 7/16"   | 7/16"   | 20      |
| AMJ0505                                                                                                              | 1/2"    | 1/2"    | 20      |
| AMJ0606                                                                                                              | 9/16"   | 9/16"   | 20      |
| AMJ0808                                                                                                              | 3/4"    | 3/4"    | 20      |
| AMJ1010                                                                                                              | 7/8"    | 7/8"    | 50      |
| AMJ1212                                                                                                              | 1.1/16" | 1.1/16" | 10      |
| AMJ1616                                                                                                              | 1.5/16" | 1.5/16" | 20      |
| AMJ2020                                                                                                              | 1.5/8"  | 1.5/8"  | 5       |
| AMJ2424                                                                                                              | 1.7/8"  | 1.7/8"  | 5       |

|  ADAPTADOR<br>MACHO JIC<br>MACHO BSPP<br>CON JUNTA |         |        |         |
|-------------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| CÓDIGO                                                                                                                              | JIC     | BSPP   | Ud/Caja |
| AMJ04MG02R                                                                                                                          | 7/16"   | 1/8"   | 20      |
| AMJ04MG04R                                                                                                                          | 7/16"   | 1/4"   | 20      |
| AMJ04MG06R                                                                                                                          | 7/16"   | 3/8"   | 20      |
| AMJ04MG08R                                                                                                                          | 7/16"   | 1/2"   | 20      |
| AMJ05MG02R                                                                                                                          | 1/2"    | 1/8"   | 20      |
| AMJ05MG04R                                                                                                                          | 1/2"    | 1/4"   | 20      |
| AMJ05MG06R                                                                                                                          | 1/2"    | 3/8"   | 20      |
| AMJ05MG08R                                                                                                                          | 1/2"    | 1/2"   | 75      |
| AMJ06MG02R                                                                                                                          | 9/16"   | 1/8"   | 20      |
| AMJ06MG04R                                                                                                                          | 9/16"   | 1/4"   | 150     |
| AMJ06MG06R                                                                                                                          | 9/16"   | 3/8"   | 100     |
| AMJ06MG08R                                                                                                                          | 9/16"   | 1/2"   | 20      |
| AMJ08MG04R                                                                                                                          | 3/4"    | 1/4"   | 20      |
| AMJ08MG06R                                                                                                                          | 3/4"    | 3/8"   | 100     |
| AMJ08MG08R                                                                                                                          | 3/4"    | 1/2"   | 75      |
| AMJ08MG12R                                                                                                                          | 3/4"    | 3/4"   | 50      |
| AMJ10MG06R                                                                                                                          | 7/8"    | 3/8"   | 10      |
| AMJ10MG08R                                                                                                                          | 7/8"    | 1/2"   | 75      |
| AMJ10MG12R                                                                                                                          | 7/8"    | 3/4"   | 50      |
| AMJ10MG16R                                                                                                                          | 7/8"    | 1"     | 10      |
| AMJ12MG06R                                                                                                                          | 1.1/16" | 3/8"   | 5       |
| AMJ12MG08R                                                                                                                          | 1.1/16" | 1/2"   | 5       |
| AMJ12MG12R                                                                                                                          | 1.1/16" | 3/4"   | 5       |
| AMJ12MG16R                                                                                                                          | 1.1/16" | 1"     | 5       |
| AMJ16MG12R                                                                                                                          | 1.5/16" | 3/4"   | 20      |
| AMJ16MG16R                                                                                                                          | 1.5/16" | 1"     | 20      |
| AMJ16MG20R                                                                                                                          | 1.5/16" | 1.1/4" | 5       |
| AMJ20MG16R                                                                                                                          | 1.5/8"  | 1"     | 5       |
| AMJ20MG20R                                                                                                                          | 1.5/8"  | 1.1/4" | 5       |
| AMJ20MG24R                                                                                                                          | 1.5/8"  | 1.1/2" | 5       |
| AMJ24MG16R                                                                                                                          | 1.7/8"  | 1"     | 5       |
| AMJ24MG20R                                                                                                                          | 1.7/8"  | 1.1/4" | 5       |
| AMJ24MG24R                                                                                                                          | 1.7/8"  | 1.1/2" | 5       |

|  ADAPTADOR<br>MACHO<br>MACHO UNF<br>JIC |         |         |         |
|---------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| CÓDIGO                                                                                                                    | JIC     | UNF     | Ud/Caja |
| AMJ04MU04                                                                                                                 | 7/16"   | 7/16"   | 20      |
| AMJ04MU05                                                                                                                 | 7/16"   | 1/2"    | 20      |
| AMJ04MU06                                                                                                                 | 7/16"   | 9/16"   | 20      |
| AMJ04MU08                                                                                                                 | 7/16"   | 3/4"    | 20      |
| AMJ05MU05                                                                                                                 | 1/2"    | 1/2"    | 20      |
| AMJ05MU06                                                                                                                 | 1/2"    | 9/16"   | 20      |
| AMJ06MU04                                                                                                                 | 9/16"   | 7/16"   | 20      |
| AMJ06MU05                                                                                                                 | 9/16"   | 1/2"    | 20      |
| AMJ06MU06                                                                                                                 | 9/16"   | 9/16"   | 20      |
| AMJ06MU08                                                                                                                 | 9/16"   | 3/4"    | 20      |
| AMJ06MU10                                                                                                                 | 9/16"   | 7/8"    | 20      |
| AMJ08MU06                                                                                                                 | 3/4"    | 9/16"   | 20      |
| AMJ08MU08                                                                                                                 | 3/4"    | 3/4"    | 20      |
| AMJ08MU10                                                                                                                 | 3/4"    | 7/8"    | 20      |
| AMJ08MU12                                                                                                                 | 3/4"    | 1.1/16" | 20      |
| AMJ10MU08                                                                                                                 | 7/8"    | 3/4"    | 20      |
| AMJ10MU10                                                                                                                 | 7/8"    | 7/8"    | 50      |
| AMJ10MU12                                                                                                                 | 7/8"    | 1.1/16" | 10      |
| AMJ12MU08                                                                                                                 | 1.1/16" | 3/4"    | 10      |
| AMJ12MU10                                                                                                                 | 1.1/16" | 7/8"    | 10      |
| AMJ12MU12                                                                                                                 | 1.1/16" | 1.1/16" | 10      |
| AMJ12MU16                                                                                                                 | 1.1/16" | 1.5/16" | 5       |
| AMJ16MU10                                                                                                                 | 1.5/16" | 7/8"    | 5       |
| AMJ16MU12                                                                                                                 | 1.5/16" | 1.1/16" | 5       |
| AMJ16MU16                                                                                                                 | 1.5/16" | 1.5/16" | 5       |
| AMJ16MU20                                                                                                                 | 1.5/16" | 1.5/8"  | 5       |
| AMJ20MU16                                                                                                                 | 1.5/8"  | 1.5/16" | 5       |
| AMJ20MU20                                                                                                                 | 1.5/8"  | 1.5/8"  | 5       |
| AMJ24MU20                                                                                                                 | 1.7/8"  | 1.5/8"  | 5       |
| AMJ24MU24                                                                                                                 | 1.7/8"  | 1.7/8"  | 5       |

|  <b>ADAPTADOR<br/>MACHO JIC<br/>MACHO MÉTRICO<br/>CON JUNTA</b> |         |         |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| CÓDIGO                                                                                                                                           | JIC     | MÉTRICO | Ud/Caja |
| AMJ04MM10R                                                                                                                                       | 7/16"   | 10X1    | 20      |
| AMJ04MM12R                                                                                                                                       | 7/16"   | 12X1.5  | 20      |
| AMJ05MM10R                                                                                                                                       | 1/2"    | 10X1    | 20      |
| AMJ05MM12R                                                                                                                                       | 1/2"    | 12X1.5  | 20      |
| AMJ05MM14R                                                                                                                                       | 1/2"    | 14X1.5  | 20      |
| AMJ06MM14R                                                                                                                                       | 9/16"   | 14X1.5  | 20      |
| AMJ06MM16R                                                                                                                                       | 9/16"   | 16X1.5  | 20      |
| AMJ08MM14R                                                                                                                                       | 3/4"    | 14X1.5  | 20      |
| AMJ08MM16R                                                                                                                                       | 3/4"    | 16X1.5  | 20      |
| AMJ08MM18R                                                                                                                                       | 3/4"    | 18X1.5  | 20      |
| AMJ10MM18R                                                                                                                                       | 7/8"    | 18X1.5  | 20      |
| AMJ10MM20R                                                                                                                                       | 7/8"    | 20X1.5  | 10      |
| AMJ10MM22R                                                                                                                                       | 7/8"    | 22X1.5  | 10      |
| AMJ12MM22R                                                                                                                                       | 1.1/16" | 22X1.5  | 10      |
| AMJ12MM27R                                                                                                                                       | 1.1/16" | 27X2    | 10      |
| AMJ16MM27R                                                                                                                                       | 1.5/16" | 27X2    | 5       |
| AMJ16MM33R                                                                                                                                       | 1.5/16" | 33X2    | 5       |
| AMJ20MM42R                                                                                                                                       | 1.5/8"  | 42X2    | 5       |
| AMJ24MM48R                                                                                                                                       | 1.7/8"  | 48X2    | 5       |

|  <b>ADAPTADOR<br/>MACHO JIC<br/>MACHO NPT</b> |         |        |         |
|--------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| CÓDIGO                                                                                                                         | JIC     | NPT    | Ud/Caja |
| AMJ04MN02                                                                                                                      | 7/16"   | 1/8"   | 20      |
| AMJ04MN04                                                                                                                      | 7/16"   | 1/4"   | 20      |
| AMJ05MN02                                                                                                                      | 1/2"    | 1/8"   | 20      |
| AMJ05MN04                                                                                                                      | 1/2"    | 1/4"   | 20      |
| AMJ06MN02                                                                                                                      | 9/16"   | 1/8"   | 20      |
| AMJ06MN04                                                                                                                      | 9/16"   | 1/4"   | 20      |
| AMJ06MN06                                                                                                                      | 9/16"   | 3/8"   | 20      |
| AMJ06MN08                                                                                                                      | 9/16"   | 1/2"   | 20      |
| AMJ08MN04                                                                                                                      | 3/4"    | 1/4"   | 50      |
| AMJ08MN06                                                                                                                      | 3/4"    | 3/8"   | 20      |
| AMJ08MN08                                                                                                                      | 3/4"    | 1/2"   | 20      |
| AMJ08MN12                                                                                                                      | 3/4"    | 3/4"   | 10      |
| AMJ10MN06                                                                                                                      | 7/8"    | 3/8"   | 10      |
| AMJ10MN08                                                                                                                      | 7/8"    | 1/2"   | 10      |
| AMJ10MN12                                                                                                                      | 7/8"    | 3/4"   | 10      |
| AMJ12MN08                                                                                                                      | 1.1/16" | 1/2"   | 5       |
| AMJ12MN12                                                                                                                      | 1.1/16" | 3/4"   | 5       |
| AMJ12MN16                                                                                                                      | 1.1/16" | 1"     | 5       |
| AMJ16MN12                                                                                                                      | 1.5/16" | 3/4"   | 5       |
| AMJ16MN16                                                                                                                      | 1.5/16" | 1"     | 5       |
| AMJ20MN16                                                                                                                      | 1.5/8"  | 1"     | 5       |
| AMJ20MN20                                                                                                                      | 1.5/8"  | 1.1/4" | 5       |
| AMJ24MN20                                                                                                                      | 1.7/8"  | 1.1/4" | 5       |
| AMJ24MN24                                                                                                                      | 1.7/8"  | 1.1/2" | 5       |

|  <b>ADAPTADOR<br/>HEMBRA GIRATORIA JIC<br/>MACHO BSPP CON JUNTA</b> |         |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| CÓDIGO                                                                                                                                                 | JIC     | BSPP   | Ud/Caja |
| AFGJ04MG02R                                                                                                                                            | 7/16"   | 1/8"   | 20      |
| AFGJ04MG04R                                                                                                                                            | 7/16"   | 1/4"   | 50      |
| AFGJ04MG06R                                                                                                                                            | 7/16"   | 3/8"   | 20      |
| AFGJ05MG02R                                                                                                                                            | 1/2"    | 1/8"   | 20      |
| AFGJ05MG04R                                                                                                                                            | 1/2"    | 1/4"   | 20      |
| AFGJ05MG06R                                                                                                                                            | 1/2"    | 3/8"   | 20      |
| AFGJ06MG04R                                                                                                                                            | 9/16"   | 1/4"   | 50      |
| AFGJ06MG06R                                                                                                                                            | 9/16"   | 3/8"   | 40      |
| AFGJ06MG08R                                                                                                                                            | 9/16"   | 1/2"   | 20      |
| AFGJ08MG04R                                                                                                                                            | 3/4"    | 1/4"   | 20      |
| AFGJ08MG06R                                                                                                                                            | 3/4"    | 3/8"   | 20      |
| AFGJ08MG08R                                                                                                                                            | 3/4"    | 1/2"   | 50      |
| AFGJ10MG06R                                                                                                                                            | 7/8"    | 3/8"   | 10      |
| AFGJ10MG08R                                                                                                                                            | 7/8"    | 1/2"   | 10      |
| AFGJ10MG12R                                                                                                                                            | 7/8"    | 3/4"   | 10      |
| AFGJ12MG08R                                                                                                                                            | 1.1/16" | 1/2"   | 5       |
| AFGJ12MG12R                                                                                                                                            | 1.1/16" | 3/4"   | 10      |
| AFGJ12MG16R                                                                                                                                            | 1.1/16" | 1"     | 5       |
| AFGJ16MG12R                                                                                                                                            | 1.5/16" | 3/4"   | 5       |
| AFGJ16MG16R                                                                                                                                            | 1.5/16" | 1"     | 5       |
| AFGJ16MG20R                                                                                                                                            | 1.5/16" | 1.1/4" | 5       |
| AFGJ20MG16R                                                                                                                                            | 1.5/8"  | 1"     | 5       |
| AFGJ20MG20R                                                                                                                                            | 1.5/8"  | 1.1/4" | 5       |
| AFGJ24MG20R                                                                                                                                            | 1.7/8"  | 1.1/4" | 5       |
| AFGJ24MG24R                                                                                                                                            | 1.7/8"  | 1.1/2" | 5       |


**ADAPTADOR  
MACHO JIC  
HEMBRA BSPP**

| CÓDIGO     | JIC     | BSPP   | Ud/Caja |
|------------|---------|--------|---------|
| AMJ04FFG02 | 7/16"   | 1/8"   | 20      |
| AMJ04FFG04 | 7/16"   | 1/4"   | 50      |
| AMJ05FFG02 | 1/2"    | 1/8"   | 20      |
| AMJ05FFG04 | 1/2"    | 1/4"   | 20      |
| AMJ06FFG04 | 9/16"   | 1/4"   | 20      |
| AMJ06FFG06 | 9/16"   | 3/8"   | 20      |
| AMJ08FFG04 | 3/4"    | 1/4"   | 20      |
| AMJ08FFG06 | 3/4"    | 3/8"   | 20      |
| AMJ08FFG08 | 3/4"    | 1/2"   | 20      |
| AMJ10FFG08 | 7/8"    | 1/2"   | 10      |
| AMJ12FFG08 | 1.1/16" | 1/2"   | 10      |
| AMJ12FFG12 | 1.1/16" | 3/4"   | 5       |
| AMJ16FFG16 | 1.5/16" | 1"     | 5       |
| AMJ20FFG16 | 1.5/8"  | 1"     | 5       |
| AMJ20FFG20 | 1.5/8"  | 1.1/4" | 5       |
| AMJ24FFG20 | 1.7/8"  | 1.1/4" | 5       |
| AMJ24FFG24 | 1.7/8"  | 1.1/2" | 5       |


**ADAPTADOR  
HEMBRA JIC  
MACHO JIC**

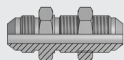
| CÓDIGO     | JIC     | JIC     | Ud/Caja |
|------------|---------|---------|---------|
| AFGJ06MJ04 | 9/16"   | 7/16"   | 20      |
| AFGJ06MJ05 | 9/16"   | 1/2"    | 20      |
| AFGJ08MJ04 | 3/4"    | 7/16"   | 20      |
| AFGJ08MJ05 | 3/4"    | 1/2"    | 20      |
| AFGJ08MJ06 | 3/4"    | 9/16"   | 20      |
| AFGJ10MJ04 | 7/8"    | 7/16"   | 20      |
| AFGJ10MJ06 | 7/8"    | 9/16"   | 10      |
| AFGJ10MJ08 | 7/8"    | 3/4"    | 10      |
| AFGJ12MJ04 | 1.1/16" | 7/16"   | 10      |
| AFGJ12MJ06 | 1.1/16" | 9/16"   | 10      |
| AFGJ12MJ08 | 1.1/16" | 3/4"    | 5       |
| AFGJ12MJ10 | 1.1/16" | 7/8"    | 5       |
| AFGJ16MJ12 | 1.5/16" | 1.1/16" | 5       |
| AFGJ20MJ12 | 1.5/8"  | 1.1/16" | 5       |
| AFGJ20MJ16 | 1.5/8"  | 1.5/16" | 5       |
| AFGJ24MJ16 | 1.7/8"  | 1.5/16" | 5       |


**TAPON MACHO  
JIC**

| CÓDIGO | JIC     | Ud/Caja |
|--------|---------|---------|
| ATMJ04 | 7/16"   | 20      |
| ATMJ05 | 1/2"    | 20      |
| ATMJ06 | 9/16"   | 20      |
| ATMJ08 | 3/4"    | 20      |
| ATMJ10 | 7/8"    | 20      |
| ATMJ12 | 1.1/16" | 20      |
| ATMJ16 | 1.5/16" | 10      |
| ATMJ20 | 1.5/8"  | 5       |
| ATMJ24 | 1.7/8"  | 5       |


**TAPON HEMBRA  
GIRATORIA JIC**

| CÓDIGO  | JIC     | Ud/Caja |
|---------|---------|---------|
| ATFGJ04 | 7/16"   | 20      |
| ATFGJ05 | 1/2"    | 20      |
| ATFGJ06 | 9/16"   | 20      |
| ATFGJ08 | 3/4"    | 20      |
| ATFGJ10 | 7/8"    | 10      |
| ATFGJ12 | 1.1/16" | 20      |
| ATFGJ16 | 1.5/16" | 5       |
| ATFGJ20 | 1.5/8"  | 5       |
| ATFGJ24 | 1.7/8"  | 5       |


**PASATABIQUES  
RECTO JIC**

| CÓDIGO  | JIC     | JIC     | Ud/Caja |
|---------|---------|---------|---------|
| APPMJ04 | 7/16"   | 7/16"   | 20      |
| APPMJ05 | 1/2"    | 1/2"    | 20      |
| APPMJ06 | 9/16"   | 9/16"   | 20      |
| APPMJ08 | 3/4"    | 3/4"    | 20      |
| APPMJ10 | 7/8"    | 7/8"    | 20      |
| APPMJ12 | 1.1/16" | 1.1/16" | 5       |
| APPMJ16 | 1.5/16" | 1.5/16" | 5       |
| APPMJ20 | 1.5/8"  | 1.5/8"  | 5       |
| APPMJ24 | 1.7/8"  | 1.7/8"  | 5       |


**CODO 90°  
MACHO  
HEMBRA GIRATORIA JIC**

| CÓDIGO     | JIC     | JIC     | Ud/Caja |
|------------|---------|---------|---------|
| LMJ04FGJ04 | 7/16"   | 7/16"   | 20      |
| LMJ05FGJ05 | 1/2"    | 1/2"    | 20      |
| LMJ06FGJ06 | 9/16"   | 9/16"   | 20      |
| LMJ08FGJ08 | 3/4"    | 3/4"    | 20      |
| LMJ10FGJ10 | 7/8"    | 7/8"    | 10      |
| LMJ12FGJ12 | 1.1/16" | 1.1/16" | 5       |
| LMJ16FGJ16 | 1.5/16" | 1.5/16" | 5       |
| LMJ20FGJ20 | 1.5/8"  | 1.5/8"  | 5       |



**CODO ORIENTABLE 90°  
MACHO JIC  
MACHO BSPP**

| CÓDIGO     | JIC     | BSPP   | Ud/Caja |
|------------|---------|--------|---------|
| LMJ04MOG02 | 7/16"   | 1/8"   | 20      |
| LMJ04MOG04 | 7/16"   | 1/4"   | 20      |
| LMJ04MOG06 | 7/16"   | 3/8"   | 20      |
| LMJ04MOG08 | 7/16"   | 1/2"   | 20      |
| LMJ05MOG02 | 1/2"    | 1/8"   | 20      |
| LMJ05MOG04 | 1/2"    | 1/4"   | 20      |
| LMJ05MOG06 | 1/2"    | 3/8"   | 20      |
| LMJ06MOG04 | 9/16"   | 1/4"   | 20      |
| LMJ06MOG06 | 9/16"   | 3/8"   | 20      |
| LMJ06MOG08 | 9/16"   | 1/2"   | 20      |
| LMJ08MOG04 | 3/4"    | 1/4"   | 20      |
| LMJ08MOG06 | 3/4"    | 3/8"   | 20      |
| LMJ08MOG08 | 3/4"    | 1/2"   | 20      |
| LMJ08MOG12 | 3/4"    | 3/4"   | 10      |
| LMJ10MOG06 | 7/8"    | 3/8"   | 10      |
| LMJ10MOG08 | 7/8"    | 1/2"   | 10      |
| LMJ10MOG12 | 7/8"    | 3/4"   | 5       |
| LMJ12MOG08 | 1.1/16" | 1/2"   | 5       |
| LMJ12MOG12 | 1.1/16" | 3/4"   | 5       |
| LMJ12MOG16 | 1.1/16" | 1"     | 5       |
| LMJ16MOG12 | 1.5/16" | 3/4"   | 5       |
| LMJ16MOG16 | 1.5/16" | 1"     | 5       |
| LMJ16MOG20 | 1.5/16" | 1.1/4" | 5       |
| LMJ20MOG16 | 1.5/8"  | 1"     | 5       |
| LMJ20MOG20 | 1.5/8"  | 1.1/4" | 5       |



**CODO ORIENTABLE 90°  
MACHO JIC  
MACHO UNF**

| CÓDIGO     | JIC     | UNF     | Ud/Caja |
|------------|---------|---------|---------|
| LMJ04MOU04 | 7/16"   | 7/16"   | 20      |
| LMJ04MOU05 | 7/16"   | 1/2"    | 20      |
| LMJ04MOU06 | 7/16"   | 9/16"   | 20      |
| LMJ05MOU05 | 1/2"    | 1/2"    | 20      |
| LMJ06MOU06 | 9/16"   | 9/16"   | 20      |
| LMJ06MOU08 | 9/16"   | 3/4"    | 20      |
| LMJ08MOU08 | 3/4"    | 3/4"    | 20      |
| LMJ08MOU10 | 3/4"    | 7/8"    | 10      |
| LMJ08MOU12 | 3/4"    | 1.1/16" | 10      |
| LMJ10MOU08 | 7/8"    | 3/4"    | 10      |
| LMJ10MOU10 | 7/8"    | 7/8"    | 10      |
| LMJ10MOU12 | 7/8"    | 1.1/16" | 5       |
| LMJ12MOU08 | 1.1/16" | 3/4"    | 5       |
| LMJ12MOU10 | 1.1/16" | 7/8"    | 5       |
| LMJ12MOU12 | 1.1/16" | 1.1/16" | 5       |
| LMJ12MOU16 | 1.1/16" | 1.5/16" | 5       |
| LMJ16MOU12 | 1.5/16" | 1.1/16" | 5       |
| LMJ16MOU16 | 1.5/16" | 1.5/16" | 5       |
| LMJ16MOU20 | 1.5/16" | 1.5/8"  | 5       |
| LMJ20MOU20 | 1.5/8"  | 1.5/8"  | 5       |



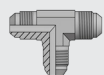
**CODO ORIENTABLE 45°  
MACHO JIC  
MACHO BSPP**

| CÓDIGO     | JIC     | BSPP   | Ud/Caja |
|------------|---------|--------|---------|
| QMJ04MOG02 | 7/16"   | 1/8"   | 1       |
| QMJ04MOG04 | 7/16"   | 1/4"   | 1       |
| QMJ04MOG06 | 7/16"   | 3/8"   | 1       |
| QMJ04MOG08 | 7/16"   | 1/2"   | 1       |
| QMJ05MOG02 | 1/2"    | 1/8"   | 1       |
| QMJ05MOG04 | 1/2"    | 1/4"   | 1       |
| QMJ05MOG06 | 1/2"    | 3/8"   | 1       |
| QMJ06MOG04 | 9/16"   | 1/4"   | 1       |
| QMJ06MOG06 | 9/16"   | 3/8"   | 1       |
| QMJ06MOG08 | 9/16"   | 1/2"   | 1       |
| QMJ08MOG04 | 3/4"    | 1/4"   | 1       |
| QMJ08MOG06 | 3/4"    | 3/8"   | 1       |
| QMJ08MOG08 | 3/4"    | 1/2"   | 1       |
| QMJ08MOG12 | 3/4"    | 3/4"   | 1       |
| QMJ10MOG06 | 7/8"    | 3/8"   | 1       |
| QMJ10MOG08 | 7/8"    | 1/2"   | 1       |
| QMJ10MOG12 | 7/8"    | 3/4"   | 1       |
| QMJ12MOG08 | 1.1/16" | 1/2"   | 1       |
| QMJ12MOG12 | 1.1/16" | 3/4"   | 1       |
| QMJ12MOG16 | 1.1/16" | 1"     | 1       |
| QMJ16MOG12 | 1.5/16" | 3/4"   | 1       |
| QMJ16MOG16 | 1.5/16" | 1"     | 1       |
| QMJ16MOG20 | 1.5/16" | 1.1/4" | 1       |
| QMJ20MOG16 | 1.5/8"  | 1"     | 1       |
| QMJ20MOG20 | 1.5/8"  | 1.1/4" | 1       |



**CODO ORIENTABLE 45°  
MACHO JIC  
MACHO UNF**

| CÓDIGO     | JIC     | UNF     | Ud/Caja |
|------------|---------|---------|---------|
| QMJ04MOU04 | 7/16"   | 7/16"   | 1       |
| QMJ04MOU05 | 7/16"   | 1/2"    | 1       |
| QMJ04MOU06 | 7/16"   | 9/16"   | 1       |
| QMJ05MOU05 | 1/2"    | 1/2"    | 1       |
| QMJ06MOU06 | 9/16"   | 9/16"   | 1       |
| QMJ06MOU08 | 9/16"   | 3/4"    | 1       |
| QMJ08MOU08 | 3/4"    | 3/4"    | 1       |
| QMJ08MOU10 | 3/4"    | 7/8"    | 1       |
| QMJ08MOU12 | 3/4"    | 1.1/16" | 1       |
| QMJ10MOU08 | 7/8"    | 3/4"    | 1       |
| QMJ10MOU10 | 7/8"    | 7/8"    | 1       |
| QMJ10MOU12 | 7/8"    | 1.1/16" | 1       |
| QMJ12MOU08 | 1.1/16" | 3/4"    | 1       |
| QMJ12MOU10 | 1.1/16" | 7/8"    | 1       |
| QMJ12MOU12 | 1.1/16" | 1.1/16" | 1       |
| QMJ12MOU16 | 1.1/16" | 1.5/16" | 1       |
| QMJ16MOU12 | 1.5/16" | 1.1/16" | 1       |
| QMJ16MOU16 | 1.5/16" | 1.5/16" | 1       |
| QMJ16MOU20 | 1.5/16" | 1.5/8"  | 1       |
| QMJ20MOU20 | 1.5/8"  | 1.5/8"  | 1       |



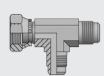
ADAPTADOR T  
MACHO JIC

| CÓDIGO | JIC     | Ud/Caja |
|--------|---------|---------|
| TMJ04  | 7/16"   | 20      |
| TMJ05  | 1/2"    | 20      |
| TMJ06  | 9/16"   | 20      |
| TMJ08  | 3/4"    | 20      |
| TMJ10  | 7/8"    | 10      |
| TMJ12  | 1.1/16" | 5       |
| TMJ16  | 1.5/16" | 5       |
| TMJ20  | 1.5/8"  | 5       |



ADAPTADOR T  
MACHO - HEMBRA  
GIRATORIA  
CENTRAL JIC

| CÓDIGO      | JIC     | Ud/Caja |
|-------------|---------|---------|
| TMJ04FGJ04P | 7/16"   | 20      |
| TMJ05FGJ05P | 1/2"    | 20      |
| TMJ06FGJ06P | 9/16"   | 20      |
| TMJ08FGJ08P | 3/4"    | 20      |
| TMJ10FGJ10P | 7/8"    | 10      |
| TMJ12FGJ12P | 1.1/16" | 5       |
| TMJ16FGJ16P | 1.5/16" | 5       |
| TMJ20FGJ20P | 1.5/8"  | 5       |



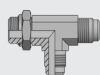
ADAPTADOR T  
MACHO -  
HEMBRA  
GIRATORIA  
LATERAL JIC

| CÓDIGO      | JIC     | Ud/Caja |
|-------------|---------|---------|
| TMJ04FGJ04B | 7/16"   | 20      |
| TMJ05FGJ05B | 1/2"    | 20      |
| TMJ06FGJ06B | 9/16"   | 20      |
| TMJ08FGJ08B | 3/4"    | 20      |
| TMJ10FGJ10B | 7/8"    | 10      |
| TMJ12FGJ12B | 1.1/16" | 5       |
| TMJ16FGJ16B | 1.5/16" | 5       |
| TMJ20FGJ20B | 1.5/8"  | 5       |



ADAPTADOR T ORIENTABLE  
MACHO JIC-MACHO BSPP  
CENTRAL

| CÓDIGO      | JIC     | BSPP   | Ud/Caja |
|-------------|---------|--------|---------|
| TMJ04MOG02P | 7/16"   | 1/8"   | 20      |
| TMJ04MOG04P | 7/16"   | 1/4"   | 20      |
| TMJ04MOG06P | 7/16"   | 3/8"   | 20      |
| TMJ04MOG08P | 7/16"   | 1/2"   | 20      |
| TMJ05MOG02P | 1/2"    | 1/8"   | 20      |
| TMJ05MOG04P | 1/2"    | 1/4"   | 20      |
| TMJ05MOG06P | 1/2"    | 3/8"   | 20      |
| TMJ06MOG04P | 9/16"   | 1/4"   | 20      |
| TMJ06MOG06P | 9/16"   | 3/8"   | 20      |
| TMJ06MOG08P | 9/16"   | 1/2"   | 20      |
| TMJ08MOG04P | 3/4"    | 1/4"   | 20      |
| TMJ08MOG06P | 3/4"    | 3/8"   | 20      |
| TMJ08MOG08P | 3/4"    | 1/2"   | 20      |
| TMJ08MOG12P | 3/4"    | 3/4"   | 10      |
| TMJ10MOG06P | 7/8"    | 3/8"   | 10      |
| TMJ10MOG08P | 7/8"    | 1/2"   | 10      |
| TMJ10MOG12P | 7/8"    | 3/4"   | 5       |
| TMJ12MOG08P | 1.1/16" | 1/2"   | 5       |
| TMJ12MOG12P | 1.1/16" | 3/4"   | 5       |
| TMJ12MOG16P | 1.1/16" | 1"     | 5       |
| TMJ16MOG12P | 1.5/16" | 3/4"   | 5       |
| TMJ16MOG16P | 1.5/16" | 1"     | 5       |
| TMJ16MOG20P | 1.5/16" | 1.1/4" | 5       |
| TMJ20MOG16P | 1.5/8"  | 1"     | 5       |
| TMJ20MOG20P | 1.5/8"  | 1.1/4" | 5       |



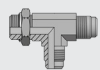
**ADAPTADOR T ORIENTABLE  
MACHO JIC-MACHO BSPP  
LATERAL**

| CÓDIGO      | JIC     | BSPP   | Ud/Caja |
|-------------|---------|--------|---------|
| TMJ04MOG02B | 7/16"   | 1/8"   | 20      |
| TMJ04MOG04B | 7/16"   | 1/4"   | 20      |
| TMJ04MOG06B | 7/16"   | 3/8"   | 20      |
| TMJ04MOG08B | 7/16"   | 1/2"   | 20      |
| TMJ05MOG02B | 1/2"    | 1/8"   | 20      |
| TMJ05MOG04B | 1/2"    | 1/4"   | 20      |
| TMJ05MOG06B | 1/2"    | 3/8"   | 20      |
| TMJ06MOG04B | 9/16"   | 1/4"   | 20      |
| TMJ06MOG06B | 9/16"   | 3/8"   | 20      |
| TMJ06MOG08B | 9/16"   | 1/2"   | 20      |
| TMJ08MOG04B | 3/4"    | 1/4"   | 20      |
| TMJ08MOG06B | 3/4"    | 3/8"   | 20      |
| TMJ08MOG08B | 3/4"    | 1/2"   | 20      |
| TMJ08MOG12B | 3/4"    | 3/4"   | 10      |
| TMJ10MOG06B | 7/8"    | 3/8"   | 10      |
| TMJ10MOG08B | 7/8"    | 1/2"   | 10      |
| TMJ10MOG12B | 7/8"    | 3/4"   | 5       |
| TMJ12MOG08B | 1.1/16" | 1/2"   | 5       |
| TMJ12MOG12B | 1.1/16" | 3/4"   | 5       |
| TMJ12MOG16B | 1.1/16" | 1"     | 5       |
| TMJ16MOG12B | 1.5/16" | 3/4"   | 5       |
| TMJ16MOG16B | 1.5/16" | 1"     | 5       |
| TMJ16MOG20B | 1.5/16" | 1.1/4" | 5       |
| TMJ20MOG16B | 1.5/8"  | 1"     | 5       |
| TMJ20MOG20B | 1.5/8"  | 1.1/4" | 5       |



**ADAPTADOR T ORIENTABLE  
MACHO JIC-MACHO UNF  
CENTRAL**

| CÓDIGO      | JIC     | UNF     | Ud/Caja |
|-------------|---------|---------|---------|
| TMJ04MOU04P | 7/16"   | 7/16"   | 20      |
| TMJ04MOU05P | 7/16"   | 1/2"    | 20      |
| TMJ04MOU06P | 7/16"   | 9/16"   | 20      |
| TMJ05MOU05P | 1/2"    | 1/2"    | 20      |
| TMJ06MOU06P | 9/16"   | 9/16"   | 20      |
| TMJ06MOU08P | 9/16"   | 3/4"    | 20      |
| TMJ08MOU08P | 3/4"    | 3/4"    | 20      |
| TMJ08MOU10P | 3/4"    | 7/8"    | 20      |
| TMJ08MOU12P | 3/4"    | 1.1/16" | 10      |
| TMJ10MOU08P | 7/8"    | 3/4"    | 10      |
| TMJ10MOU10P | 7/8"    | 7/8"    | 10      |
| TMJ10MOU12P | 7/8"    | 1.1/16" | 5       |
| TMJ12MOU08P | 1.1/16" | 3/4"    | 5       |
| TMJ12MOU10P | 1.1/16" | 7/8"    | 5       |
| TMJ12MOU12P | 1.1/16" | 1.1/16" | 5       |
| TMJ12MOU16P | 1.1/16" | 1.5/16" | 5       |
| TMJ16MOU12P | 1.5/16" | 1.1/16" | 5       |
| TMJ16MOU16P | 1.5/16" | 1.5/16" | 5       |
| TMJ16MOU20P | 1.5/16" | 1.5/8"  | 5       |
| TMJ20MOU20P | 1.5/8"  | 1.5/8"  | 5       |



**ADAPTADOR T ORIENTABLE  
MACHO JIC-MACHO UNF  
LATERAL**

| CÓDIGO      | JIC     | UNF     | Ud/Caja |
|-------------|---------|---------|---------|
| TMJ04MOU04B | 7/16"   | 7/16"   | 20      |
| TMJ04MOU05B | 7/16"   | 1/2"    | 20      |
| TMJ04MOU06B | 7/16"   | 9/16"   | 20      |
| TMJ05MOU05B | 1/2"    | 1/2"    | 20      |
| TMJ06MOU06B | 9/16"   | 9/16"   | 20      |
| TMJ06MOU08B | 9/16"   | 3/4"    | 20      |
| TMJ08MOU08B | 3/4"    | 3/4"    | 20      |
| TMJ08MOU10B | 3/4"    | 7/8"    | 20      |
| TMJ08MOU12B | 3/4"    | 1.1/16" | 10      |
| TMJ10MOU08B | 7/8"    | 3/4"    | 10      |
| TMJ10MOU10B | 7/8"    | 7/8"    | 10      |
| TMJ10MOU12B | 7/8"    | 1.1/16" | 5       |
| TMJ12MOU08B | 1.1/16" | 3/4"    | 5       |
| TMJ12MOU10B | 1.1/16" | 7/8"    | 5       |
| TMJ12MOU12B | 1.1/16" | 1.1/16" | 5       |
| TMJ12MOU16B | 1.1/16" | 1.5/16" | 5       |
| TMJ16MOU12B | 1.5/16" | 1.1/16" | 5       |
| TMJ16MOU16B | 1.5/16" | 1.5/16" | 5       |
| TMJ16MOU20B | 1.5/16" | 1.5/8"  | 5       |
| TMJ20MOU20B | 1.5/8"  | 1.5/8"  | 5       |

## MINIMEX



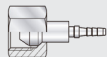
TUBO MINIMEX MICRO  
HOSE  
650 BAR DN2

| CÓDIGO   | Ø   |
|----------|-----|
| 55010002 | DN2 |



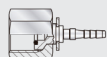
CASQUILLO MINIMEX DN2

| CÓDIGO   | DA  | DI  | Ø P | Ø PRESS | BAR |
|----------|-----|-----|-----|---------|-----|
| 55020002 | 8.0 | 5.1 | 4.5 | 7.1     | 600 |



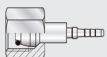
RACOR MINIMEX HG GAS  
ASIENTO 60° BSP DN2

| CÓDIGO   | G    | D   |
|----------|------|-----|
| 55020101 | 1/8" | 2.0 |
| 55020102 | 1/4" | 2.0 |



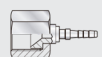
RACOR MINIMEX HG GAS  
ASIENTO PLANO CON  
JUNTA DN2

| CÓDIGO   | G    | D   |
|----------|------|-----|
| 55020201 | 1/4" | 2.0 |
| 55020203 | 1/2" | 2.0 |



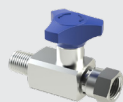
RACOR MINIMEX HG  
CON JUNTA DN2

| CÓDIGO   | Ø MM | G       | D   |
|----------|------|---------|-----|
| 55020301 | 6    | M12X1.5 | 2.0 |
| 55020302 | 8    | M14X1.5 | 2.0 |
| 55020303 | 10   | M16X1.5 | 2.0 |



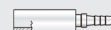
RACOR MINIMEX HG JIC  
DN2

| CÓDIGO   | G       | D   |
|----------|---------|-----|
| 55020401 | 7/16-20 | 2.0 |
| 55020402 | 1/2-20  | 2.0 |



GRIFO MANOMETRO RECTO 1/4"

| CÓDIGO    | ROSCA         | PRESION |
|-----------|---------------|---------|
| SOV1400   | 1/4" M-H (TL) | 400     |
| SOV1400FF | 1/4" H-H (TL) | 400     |
| SOV1400MF | 1/4" M-H      | 400     |



RACOR MINIMEX  
ESPIGA LISA DN2

| CÓDIGO   | Ø MM | D   |
|----------|------|-----|
| 55020501 | 4    | 2.0 |
| 55020502 | 6    | 2.0 |
| 55020503 | 8    | 2.0 |



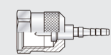
RACOR MINIMEX  
ESPIGA CODO 90° DN2

| CÓDIGO   | Ø MM | D   |
|----------|------|-----|
| 55020521 | 4    | 2.0 |
| 55020522 | 6    | 2.0 |
| 55020523 | 8    | 2.0 |



RACOR MINIMEX ESFÉRICO  
MÉTRICO DN2

| CÓDIGO   | Ø MM | MÉTRICO    | D   |
|----------|------|------------|-----|
| 55020602 | 8    | M8X1       | 2.0 |
| 55020603 | 10   | M10X1 G1/8 | 2.0 |



RACOR MINIMEX HG  
TOMA PRESIÓN DN2

| CÓDIGO   | G       | D   |
|----------|---------|-----|
| 55020701 | M16X2   | 2.0 |
| 55020702 | M16X1.5 | 2.0 |



RACOR MINIMEX  
TOMA PRESIÓN MÉTRICO  
CON JUNTA

| CÓDIGO   | G       | PN  |
|----------|---------|-----|
| 55020801 | M10X1   | 630 |
| 55020805 | M12X1.5 | 630 |
| 55020806 | M14X1.5 | 630 |
| 55020807 | M16X1.5 | 630 |



GRIFO MANOMETRO CODO 90° 1/4"

| CÓDIGO    | ROSCA         | PRESION |
|-----------|---------------|---------|
| SOV1490   | 1/4" M-H (TL) | 400     |
| SOV1490FF | 1/4" H-H (TL) | 400     |
| SOV1490MF | 1/4" M-H      | 400     |

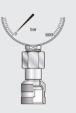


|  <b>RACOR MINIMEX<br/>TOMA PRESIÓN MÉTRICO<br/>BSP CON JUNTA</b> |      |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| CÓDIGO                                                                                                                                            | G    | PN  |
| 55020811                                                                                                                                          | 1/8" | 630 |
| 55020812                                                                                                                                          | 1/4" | 630 |
| 55020813                                                                                                                                          | 3/8" | 630 |

|  <b>RACOR MINIMEX<br/>TOMA PRESIÓN MÉTRICO</b> |      |     |
|---------------------------------------------------------------------------------------------------------------------------------|------|-----|
| CÓDIGO                                                                                                                          | G    | PN  |
| 55020821                                                                                                                        | M8X1 | 630 |

|  <b>RACOR MINIMEX<br/>TOMA PRESIÓN MÉTRICO<br/>BSPT</b> |      |     |
|------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| CÓDIGO                                                                                                                                   | G    | PN  |
| 55020841                                                                                                                                 | 1/8" | 400 |
| 55020842                                                                                                                                 | 1/4" | 630 |
| 55020843                                                                                                                                 | 3/8" | 630 |

|  <b>RACOR MINIMEX<br/>TOMA PRESIÓN MÉTRICO<br/>NPT</b> |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| CÓDIGO                                                                                                                                    | G    | PN  |
| 55020851                                                                                                                                  | 1/8" | 400 |
| 55020852                                                                                                                                  | 1/4" | 630 |
| 55020853                                                                                                                                  | 3/8" | 630 |

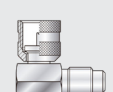
|  <b>RACOR MINIMEX<br/>ADAPTADOR RECTO<br/>PARA MANÓMETRO</b> |       |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|-----|
| CÓDIGO                                                                                                                                          | G     | G1   | PN  |
| 55021002                                                                                                                                        | M16X2 | 1/4" | 630 |
| 55021003                                                                                                                                        | M16X2 | 1/2" | 630 |

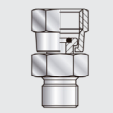
|  <b>RACOR MINIMEX<br/>ADAPTADOR ORIENTABLE 90°<br/>PARA MANÓMETRO</b> |       |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|-----|
| CÓDIGO                                                                                                                                                   | G     | G1   | PN  |
| 55021021                                                                                                                                                 | M16X2 | 1/4" | 630 |
| 55021022                                                                                                                                                 | M16X2 | 1/2" | 630 |

|  <b>RACOR MINIMEX<br/>TOMA BAYONETA DN2</b> |      |     |
|-------------------------------------------------------------------------------------------------------------------------------|------|-----|
| CÓDIGO                                                                                                                        | TUBO | D   |
| 55021101                                                                                                                      | RD2  | 2.0 |

|  <b>RACOR MINIMEX<br/>UNIÓN RECTA</b> |       |     |
|-------------------------------------------------------------------------------------------------------------------------|-------|-----|
| CÓDIGO                                                                                                                  | G     | PN  |
| 55021231                                                                                                                | M16X2 | 630 |

|  <b>RACOR MINIMEX<br/>UNIÓN RECTA<br/>CON VÁLVULA<br/>ANTIRETORNO</b> |       |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|
| CÓDIGO                                                                                                                                                  | G     | PN  |
| 55021241                                                                                                                                                | M16X2 | 630 |

|  <b>RACOR MINIMEX<br/>ADAPTADOR GIRATORIO<br/>90° PASO LIBRE<br/>CON VÁLVULA<br/>ROSCA MACHO</b> |       |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|
| CÓDIGO                                                                                                                                                                               | G     | PN  |
| 55021251                                                                                                                                                                             | M16X2 | 630 |

|  <b>RACOR MINIMEX<br/>ADAPTADOR MACHO-HEMBRA<br/>GAS MANÓMETRO</b> |      |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----|
| CÓDIGO                                                                                                                                                 | G    | G1   | PN  |
| 55021041                                                                                                                                               | 1/4" | 1/4" | 400 |

|  <b>TAPON DE SEGURIDAD</b> |       |
|----------------------------------------------------------------------------------------------------------------|-------|
| CÓDIGO                                                                                                         | ROSCA |
| 81300037                                                                                                       | M8    |
| 81300095                                                                                                       | M10   |
| 81300120                                                                                                       | M12   |

## P16MS PRENSA MANUAL COMPLETA



|                        |                |
|------------------------|----------------|
| Capacidad de prensado: | 1-2SN          |
| Diámetro de prensado:  | 3-46           |
| Obertura máxima:       | 20 mm          |
| Presión máxima:        | 700 bar        |
| Fuerza de prensado:    | 955 kn         |
| Bomba:                 | Manual Enerpac |

CÓDIGO P16MS

Prensa manual con bomba de 700 bares. Indicador led cuando finaliza el prensado. Micrómetro, valvula de retorno, batería, mordazas y cajón porta-mordazas.

## P16ZMS PRENSA MANUAL PORTÁTIL



|                        |          |
|------------------------|----------|
| Capacidad de prensado: | 4 mallas |
| Diámetro de prensado:  | 4-45     |
| Obertura máxima:       | 20 mm    |
| Tipo de mordaza:       | P16      |
| Fuerza de prensado:    | 1000 kn  |
| Bomba:                 | Manual   |

CÓDIGO P16ZMS

Prensa manual portátil con bomba manual. No requiere electricidad para su funcionamiento. Juego de mordazas completo incluido. Se puede añadir bomba de mano Enerpac de 700 bares como accesorio.

## P20MS PRENSA ELÉCTRICA

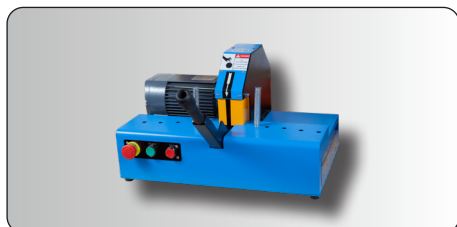


|                            |               |
|----------------------------|---------------|
| Diámetro de prensado:      | 10-61         |
| Fuerza de prensado:        | 1370 kn       |
| Prensado/hora:             | 600/850       |
| Tipo de mordazas:          | P20           |
| Apertura máxima:           | +25           |
| Mordaza Master D/L (mm):   | 84/80         |
| Motor (kW):                | 3             |
| Potencia:                  | 380 Trifásico |
| Control:                   | MS            |
| Medidas (lar x anc x alt): | 760x560x800   |
| Peso:                      | 182 kgs       |

CÓDIGO P20MS

Prensa eléctrica para prensado de mangueras de 2 a 4 mallas hasta 1.1/4" y de 2 mallas hasta 1.1/2". Con puño troca mordazas, pedal y estante porta mordazas incluido.

## TM250MS MÁQUINA DE CORTE



|                        |        |
|------------------------|--------|
| Capacidad de prensado: | 1-2SN  |
| Diámetro máx de corte: | 60 mm  |
| Disco:                 | 250 mm |
| Motor:                 | 1.5 kw |
| Velocidad (RPM) 50Hz:  | 2560   |

CÓDIGO TM250MS

Máquina de corte manual para manguera hidráulica. Capacidad de corte para manguera de 2 mallas hasta 1-1/2" y de 4 mallas hasta 1".

# CONDICIONES GENERALES DE VENTA

Las presentes Condiciones Generales de Venta regulan las relaciones entre Mangueras Soma, S.L. (el Vendedor) y el Cliente para suministro de materiales. Se aplicarán en todos los Pedidos de compra que se establezcan para la citada finalidad.

Estas Condiciones Generales de Venta se consideran aceptadas sin reservas por el Comprador. Asimismo, las presentes Condiciones Generales de Venta serán de aplicación prioritaria sobre las condiciones generales del Comprador.

Estas condiciones Generales serán de aplicación en todas aquellas materias que no se hayan fijado expresamente en el Pedido.

El Vendedor se reserva el derecho de actualizar y/o modificar el contenido de las presentes Condiciones Generales de Venta en cualquier momento sin previo aviso, por lo que se recomienda al Comprador su periódica verificación.

## 1. ELECCIÓN DEL PRODUCTO

El Vendedor recomendará el producto idóneo según las condiciones de trabajo especificadas por el Comprador siendo éste último el único responsable de la elección del producto objeto de la compraventa, así como del uso o función a que el mismo se destina.

## 2. OFERTAS

a) Las ofertas que no contengan un plazo de validez se entienden sin compromiso. Los precios y demás condiciones de dichas ofertas son orientativos y precisan de ulterior confirmación del vendedor.  
b) Los datos contenidos en anexos a la oferta, tales como catálogos, documentos técnicos, etc. son orientativos y no suponen compromiso alguno para el Vendedor.

## 3. ENTRADA EN VIGOR DE LA VENTA

El contrato entrará en vigor cuando el Vendedor comunique al Cliente por escrito la aceptación de su pedido (Confirmación de pedido) y el Cliente haya cumplido sus obligaciones hasta ese momento según el pedido y las demás que puedan corresponderle según los usos del sector.

## 4. PRECIOS

Los precios se refieren al material sin embalajes y sin impuestos, (los que resulten aplicables según la normativa vigente) en los almacenes del Vendedor y están basados en la paridad del euro con las monedas de los países de origen de los productos a la fecha de la oferta. En caso de variación de la citada paridad, el Vendedor se reserva el derecho de revisar los precios proporcionalmente.

Además, cuando los gastos de embalaje, transporte, seguro y otros desembolsos accesorios hayan sido incluidos en el precio de la oferta o del suministro, el Vendedor se reserva el derecho de rectificar los precios correspondientes, en caso de modificaciones de las tarifas correspondientes a dichos gastos.

## 5. CONDICIONES DE PAGO

a) El pago de la factura se efectuará en la forma que en ella se establece. En su defecto nunca excederá de 60 días de la fecha de la factura.  
b) En caso de facturación de suministros parciales, el pago se efectuará en las condiciones de pago acordadas para cada uno de los suministros.  
c) En caso de demoras y de impagos, el Vendedor se reserva el derecho de aplicar intereses de demora al tipo legal de interés aplicable a las deudas comerciales publicado en el Boletín Oficial del Estado.  
d) El Vendedor se reserva el dominio sobre los materiales suministrados, hasta que el Cliente haya pagado todas las cantidades debidas, por cualquier concepto. El Cliente se compromete a apoyar las medidas eventuales necesarias para la protección de nuestra propiedad.

## 6. PLAZOS DE ENTREGA

El plazo de entrega empieza a regir al entrar en vigor el contrato. Será prolongado en casos de fuerza mayor.  
El retraso del Cliente en el cumplimiento de aquellas obligaciones que afecten al plazo de entrega, permitirá al Vendedor retrasar el plazo de entrega.

## 7. TRANSPORTES

El transporte deberá acordarse en el momento de realizar el Pedido de compra. O en su defecto se tomará el convenido entre ambas partes.  
El material voluminoso deberá pactarse en cada caso.

## 8. RECLAMACIONES Y DEVOLUCIONES

Cualquier reclamación deberá ser realizada por "el Cliente" por escrito, de forma que quede constancia de su recepción. Solamente serán aceptadas las devoluciones debidas a material defectuoso o en mal estado o aquel suministrado por error por parte de Mangueras Soma, S.L. Las devoluciones solo serán aceptadas con la autorización escrita de Mangueras Soma, S.L. En todo caso cualquier devolución aceptada generará un abono por parte de Mangueras Soma, S.L. por el valor de la factura del pedido menos un 20%, a fin de cubrir los gastos de Control de Calidad y de su nuevo almacenamiento.

Toda la mercancía devuelta será acompañada del correspondiente número de abono emitido por Mangueras Soma, S.L., el cual será hecho llegar previamente al Cliente una vez aceptada la devolución por parte de Mangueras Soma, S.L. Se entiende que la aceptación del material devuelto está condicionada al buen estado de los materiales o equipos y de sus embalajes. Ninguna devolución de mercancía será aceptada transcurridos más de 15 días naturales desde la entrega de la misma.

## 9. GARANTÍAS Y RECLAMACIONES

La responsabilidad exigible a Mangueras Soma, S.L. por defecto de los productos suministrados queda limitada a la reposición del mismo o en su defecto a realizar un abono del material suministrado. En ningún caso serán exigibles daños o perjuicios derivados del deterioro normal del producto, mantenimiento insuficiente, reparación o instalación incorrecta, incumplimiento de las instrucciones de almacenamiento y funcionamiento o el uso de materiales inadecuados.

## 10. CANCELACION DEL PEDIDO

En principio no se acepta la cancelación de un pedido que el Cliente ha aceptado previamente por escrito. No obstante, si extraordinariamente, se aceptase la cancelación nos reservamos el derecho de facturar un 10% sobre el valor neto de la factura como gastos de cancelación y preparación.

## 11. RESERVA DE DOMINIO

Las partes acuerdan mutuamente que todo litigio, independiente de su naturaleza, relativo a la presente venta, su cumplimiento, ejecución e interpretación será de la competencia exclusiva de los Tribunales del lugar del domicilio social del Vendedor, es decir, la ciudad de Barcelona.

mangueras  
**SOMA** S.L.



# mangueras SOMA S.L.

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