

# PVC-U PRESSURE FITTINGS



## METRIC SERIES

|                                                                                |           |          |
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## FEATURES

- PVC-U fittings for the PVC pipe union.
- Material: PVC-U.
- Injection moulding.
- Density: 1,4 g/cm<sup>3</sup>.
- Color: grey RAL 7024.
- Dimensions: socket fittings D16 to D400 and threaded fittings from 1/4" to 4".
- Dimensions:
  - Socket fittings according to EN 1452-3.
  - Threaded fittings according to ISO 7/1.
- For tubes according to EN 1452-2.
- Socket fittings: we recommend solvent cement for PVC-U.
- Threaded fittings: in order to guarantee the watertightness, PTFE thread-wrap tape must be used. In PVC-U metal unions, use PVC-U as the male.

## CARACTERÍSTICAS

- Accesorios en PVC-U para unión de tuberías de PVC.
- Moldeo por inyección.
- Densidad: 1,4 g/cm<sup>3</sup>.
- Color: gris RAL 7024.
- Dimensiones: accesorios encolar de D16 hasta D400 y accesorios roscar de 1/4" a 4".
- Dimensiones:
  - Accesorios encolar según la norma EN 1452-3.
  - Accesorios roscados según la norma ISO 7/1.
- Para tubos según norma EN 1452-2.
- Accesorios encolar: recomendamos el uso de cola para PVC-U.
- Accesorios roscados: para garantizar la estanqueidad sólo es admisible el uso de cinta de PTFE. En uniones PVC-U-metal, el macho debe ser el PVC-U.



| FIG. | Details                                         | Detalles                                    |
|------|-------------------------------------------------|---------------------------------------------|
| 1    | Logo, material, dimensions, PN                  | Logo, material, dimensiones, PN             |
| 2    | European standard, N (Aenor), Kiwa o NF (Afnor) | Norma europea, N (Aenor), Kiwa o NF (Afnor) |
| 3    | Marked at 45°                                   | Marcaje a 45°                               |



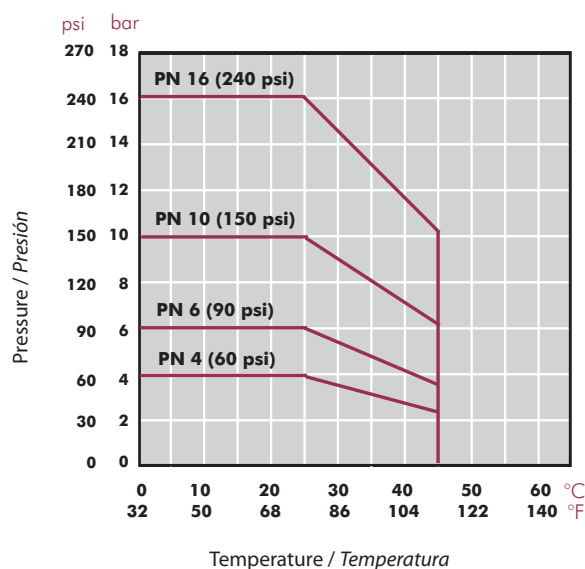
## TECHNICAL CHARACTERISTICS

### CARACTERÍSTICAS TÉCNICAS

| Unions<br><i>Uniones</i>                      | Sizes<br><i>Medidas</i> | Working pressure at 20°C<br><i>Presión de servicio a 20°C</i> |
|-----------------------------------------------|-------------------------|---------------------------------------------------------------|
| Solvent socket / <i>Encolar</i>               | D16 - D140              | PN 16 (240 psi)                                               |
| Solvent socket / <i>Encolar</i>               | D160 - D315             | PN10 (150 psi)                                                |
| Threaded / <i>Roscar</i>                      | ½" - 4"                 | PN 10 (150 ps)                                                |
| Threaded reinforced / <i>Roscar reforzado</i> | ½" - 4"                 | PN 16 (240 psi)                                               |

## PRESSURE / TEMPERATURE GRAPH

### DIAGRAMA PRESIÓN / TEMPERATURA



Life: 50 years  
Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

Vida útil: 50 años  
Presión hidrostática máxima que un componente es capaz de soportar en servicio continuo (sin sobrepresión)

## TOLERANCE CHART

### TABLA TOLERANCIAS

| D   | DN  | Minimum diameter<br><i>Diámetro mínimo</i> | Maximum diameter<br><i>Diámetro máximo</i> |
|-----|-----|--------------------------------------------|--------------------------------------------|
| 16  | 10  | 16.1                                       | 16.3                                       |
| 20  | 15  | 20.1                                       | 20.3                                       |
| 25  | 20  | 25.1                                       | 25.3                                       |
| 32  | 25  | 32.1                                       | 32.3                                       |
| 40  | 32  | 40.1                                       | 40.3                                       |
| 50  | 40  | 50.1                                       | 50.3                                       |
| 63  | 50  | 63.1                                       | 63.3                                       |
| 75  | 65  | 75.1                                       | 75.3                                       |
| 90  | 80  | 90.1                                       | 90.3                                       |
| 110 | 100 | 110.1                                      | 110.4                                      |
| 125 | 110 | 125.1                                      | 125.4                                      |
| 140 | 125 | 140.2                                      | 140.5                                      |
| 160 | 150 | 160.2                                      | 160.5                                      |
| 200 | 175 | 200.2                                      | 200.6                                      |
| 225 | 200 | 225.3                                      | 225.7                                      |
| 250 | 225 | 250.3                                      | 250.8                                      |
| 315 | 300 | 315.4                                      | 316.0                                      |

## PVC-U ELBOWS

### CODOS PVC-U

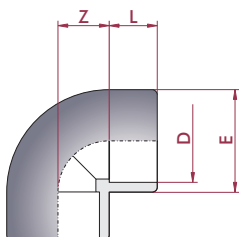
#### UP. 01. SF - 90° ELBOW

##### 90° elbow

- Female solvent socket
- Metric series

##### Codo 90°

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                     | CODE         |
|-----|-----|----|--------------------------|--------------|
| 16  | 10  | 16 | 05 01 016 <sup>3</sup>   | <b>11655</b> |
| 20  | 15  | 16 | 05 01 020 <sup>23</sup>  | <b>01712</b> |
| 25  | 20  | 16 | 05 01 025 <sup>123</sup> | <b>01713</b> |
| 32  | 25  | 16 | 05 01 032 <sup>23</sup>  | <b>01714</b> |
| 40  | 32  | 16 | 05 01 040 <sup>23</sup>  | <b>01715</b> |
| 50  | 40  | 16 | 05 01 050 <sup>23</sup>  | <b>01716</b> |
| 63  | 50  | 16 | 05 01 063 <sup>23</sup>  | <b>01717</b> |
| 75  | 65  | 16 | 05 01 075 <sup>234</sup> | <b>01718</b> |
| 90  | 80  | 16 | 05 01 090 <sup>23</sup>  | <b>01719</b> |
| 110 | 100 | 16 | 05 01 110 <sup>3</sup>   | <b>01720</b> |
| 125 | 110 | 16 | 05 01 125 <sup>3</sup>   | <b>01721</b> |
| 140 | 125 | 16 | 05 01 140 <sup>3</sup>   | <b>01722</b> |
| 160 | 150 | 10 | 05 01 160 <sup>3</sup>   | <b>01723</b> |
| 200 | 175 | 10 | 05 01 200 <sup>3</sup>   | <b>01724</b> |
| 225 | 200 | 10 | 05 01 225 <sup>3</sup>   | <b>01725</b> |
| 250 | 225 | 10 | 05 01 250                | <b>01726</b> |
| 315 | 300 | 10 | 05 01 315 *              | <b>01727</b> |
| 400 | 353 | 5  | 05 01 400 *              | <b>34807</b> |

| L   | Z   | E   |
|-----|-----|-----|
| 14  | 10  | 25  |
| 16  | 11  | 27  |
| 19  | 14  | 33  |
| 22  | 17  | 41  |
| 26  | 21  | 50  |
| 31  | 26  | 61  |
| 38  | 33  | 76  |
| 44  | 39  | 90  |
| 51  | 46  | 108 |
| 61  | 56  | 131 |
| 69  | 64  | 148 |
| 76  | 71  | 164 |
| 86  | 81  | 180 |
| 106 | 101 | 225 |
| 119 | 114 | 252 |
| 131 | 126 | 284 |
| 164 | 159 | 352 |
| 206 | 202 | 439 |

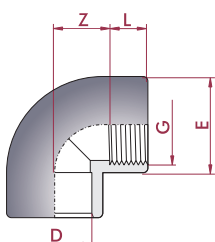
#### UP. 01. SFT - 90° ELBOW

##### 90° adaptor elbow

- Female solvent socket & BSP female thread
- Metric series

##### Codo 90° mixto

- Encolar hembra y roscar hembra BSP
- Serie métrica



| D x G       | DN  | PN | REF.        | CODE         |
|-------------|-----|----|-------------|--------------|
| 20 x 1/2"   | 15  | 10 | 05 01 420   | <b>01728</b> |
| 25 x 3/4"   | 20  | 10 | 05 01 425   | <b>01729</b> |
| 32 x 1"     | 25  | 10 | 05 01 432   | <b>01730</b> |
| 40 x 1 1/4" | 32  | 10 | 05 01 440   | <b>01731</b> |
| 50 x 1 1/2" | 40  | 10 | 05 01 450   | <b>01732</b> |
| 63 x 2"     | 50  | 10 | 05 01 463   | <b>01733</b> |
| 75 x 2 1/2" | 65  | 10 | 05 01 475 * | <b>22596</b> |
| 90 x 3"     | 80  | 10 | 05 01 490 * | <b>22597</b> |
| 110 x 4"    | 100 | 10 | 05 01 510 * | <b>22598</b> |

| L  | Z  | E   |
|----|----|-----|
| 14 | 11 | 28  |
| 16 | 14 | 34  |
| 19 | 17 | 43  |
| 20 | 21 | 54  |
| 20 | 26 | 63  |
| 24 | 33 | 78  |
| 44 | 40 | 89  |
| 51 | 48 | 106 |
| 61 | 58 | 129 |

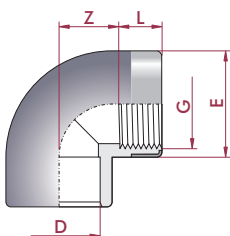
#### UP. 01. SFTR - 90° REINFORCED ELBOW

##### 90° adaptor reinforced elbow

- Female solvent socket & BSP female thread
- Reinforcement in stainless steel
- Metric series

##### Codo 90° mixto reforzado

- Encolar hembra y roscar hembra BSP
- Refuerzo en acero inoxidable
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 20 x 1/2"   | 15 | 16 | 05 01 820 | <b>01740</b> |
| 25 x 3/4"   | 20 | 16 | 05 01 825 | <b>01741</b> |
| 32 x 1"     | 25 | 16 | 05 01 832 | <b>01742</b> |
| 40 x 1 1/4" | 32 | 16 | 05 01 840 | <b>01743</b> |
| 50 x 1 1/2" | 40 | 16 | 05 01 850 | <b>01744</b> |
| 63 x 2"     | 50 | 16 | 05 01 863 | <b>01745</b> |

| L  | Z  | E  |
|----|----|----|
| 14 | 11 | 28 |
| 16 | 14 | 34 |
| 19 | 17 | 43 |
| 20 | 21 | 54 |
| 20 | 26 | 63 |
| 24 | 33 | 78 |

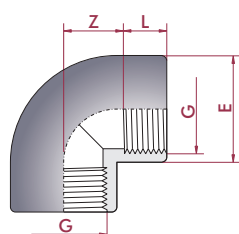
#### UP. 01. FT - 90° ELBOW

##### 90° elbow

- BSP female thread

##### Codo 90°

- Roscar hembra BSP



| G      | DN  | PN | REF.        | CODE         |
|--------|-----|----|-------------|--------------|
| 1/2"   | 15  | 10 | 05 01 620   | <b>01734</b> |
| 3/4"   | 20  | 10 | 05 01 625   | <b>01735</b> |
| 1"     | 25  | 10 | 05 01 632   | <b>01736</b> |
| 1 1/4" | 32  | 10 | 05 01 640   | <b>01737</b> |
| 1 1/2" | 40  | 10 | 05 01 650   | <b>01738</b> |
| 2"     | 50  | 10 | 05 01 663   | <b>01739</b> |
| 2 1/2" | 65  | 10 | 05 01 675 * | <b>22587</b> |
| 3"     | 80  | 10 | 05 01 690 * | <b>22588</b> |
| 4"     | 100 | 10 | 05 01 710 * | <b>22589</b> |

| L  | Z  | E   |
|----|----|-----|
| 14 | 11 | 28  |
| 16 | 14 | 34  |
| 19 | 17 | 43  |
| 20 | 21 | 54  |
| 20 | 26 | 63  |
| 24 | 33 | 78  |
| 30 | 54 | 89  |
| 33 | 66 | 106 |
| 39 | 80 | 129 |

\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR  
<sup>4</sup> Kitemark

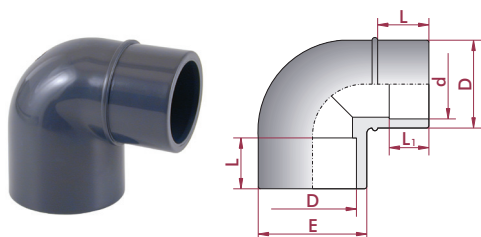
## UP. 29. SFG - 90° REDUCING ELBOW

## 90° reducing elbow

- Female solvent socket
- Metric series

## Codo 90° reducido

- Encolar hembra
- Serie métrica



| D x D - d    | DN | PN | REF.      | CODE         |
|--------------|----|----|-----------|--------------|
| 50 x 50 - 40 | 32 | 16 | 05 29 050 | <b>02237</b> |
| 63 x 63 - 50 | 40 | 16 | 05 29 063 | <b>02238</b> |

| L  | L <sub>1</sub> | E  |
|----|----------------|----|
| 31 | 26             | 61 |
| 38 | 31             | 76 |

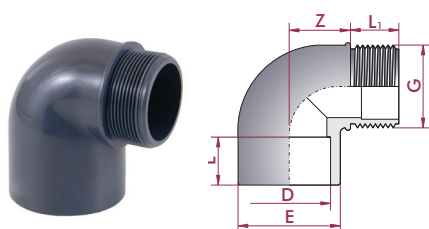
## UP. 29. SMT - 90° ELBOW

## 90° elbow

- Female solvent socket & BSP male thread
- Metric series

## Codo 90°

- Encolar hembra y roscar macho BSP
- Serie métrica



| D x G    | DN | PN | REF.      | CODE         |
|----------|----|----|-----------|--------------|
| 50 x 1½" | 40 | 10 | 05 29 450 | <b>02239</b> |
| 63 x 2"  | 50 | 10 | 05 29 463 | <b>02240</b> |

| L <sub>1</sub> | L  | E  | Z  |
|----------------|----|----|----|
| 21             | 31 | 61 | 38 |
| 25             | 38 | 76 | 47 |

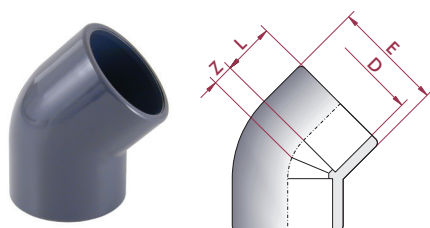
## UP. 02. SF - 45° ELBOW

## 45° elbow

- Female solvent socket
- Metric series

## Codo 45°

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                     | CODE         |
|-----|-----|----|--------------------------|--------------|
| 16  | 10  | 16 | 05 02 016 <sup>3</sup>   | <b>16307</b> |
| 20  | 15  | 16 | 05 02 020 <sup>123</sup> | <b>01746</b> |
| 25  | 20  | 16 | 05 02 025 <sup>123</sup> | <b>01747</b> |
| 32  | 25  | 16 | 05 02 032 <sup>123</sup> | <b>01748</b> |
| 40  | 32  | 16 | 05 02 040 <sup>123</sup> | <b>01749</b> |
| 50  | 40  | 16 | 05 02 050 <sup>23</sup>  | <b>01750</b> |
| 63  | 50  | 16 | 05 02 063 <sup>23</sup>  | <b>01751</b> |
| 75  | 65  | 16 | 05 02 075 <sup>234</sup> | <b>01752</b> |
| 90  | 80  | 16 | 05 02 090 <sup>23</sup>  | <b>01753</b> |
| 110 | 100 | 16 | 05 02 110 <sup>3</sup>   | <b>01754</b> |
| 125 | 110 | 16 | 05 02 125 <sup>3</sup>   | <b>01755</b> |
| 140 | 125 | 16 | 05 02 140 <sup>3</sup>   | <b>01756</b> |
| 160 | 150 | 10 | 05 02 160 <sup>3</sup>   | <b>01757</b> |
| 200 | 175 | 10 | 05 02 200 <sup>3</sup>   | <b>01758</b> |
| 225 | 200 | 10 | 05 02 225 <sup>3</sup>   | <b>01759</b> |
| 250 | 225 | 10 | 05 02 250 <sup>3</sup>   | <b>01760</b> |
| 315 | 300 | 10 | 05 02 315 <sup>*</sup>   | <b>01761</b> |
| 400 | 353 | 5  | 05 02 400 <sup>*</sup>   | <b>34808</b> |

| L   | Z  | E   |
|-----|----|-----|
| 14  | 5  | 22  |
| 16  | 5  | 28  |
| 19  | 6  | 35  |
| 22  | 8  | 43  |
| 26  | 10 | 52  |
| 31  | 12 | 58  |
| 38  | 14 | 76  |
| 44  | 17 | 93  |
| 51  | 20 | 109 |
| 61  | 24 | 133 |
| 69  | 27 | 148 |
| 76  | 30 | 164 |
| 86  | 34 | 180 |
| 106 | 43 | 225 |
| 119 | 48 | 252 |
| 131 | 53 | 284 |
| 164 | 67 | 352 |
| 206 | 83 | 439 |

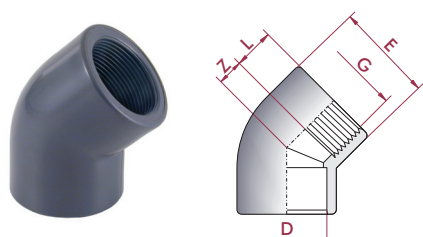
## UP. 02. SFT - 45° ELBOW

## 45° adaptor elbow

- Female solvent socket & BSP female thread
- Metric series

## Codo 45° mixto

- Encolar hembra y roscar hembra BSP
- Serie métrica



| D x G    | DN  | PN | REF.                   | CODE         |
|----------|-----|----|------------------------|--------------|
| 20 x ½"  | 15  | 10 | 05 02 420              | <b>01762</b> |
| 25 x ¾"  | 20  | 10 | 05 02 425              | <b>01763</b> |
| 32 x 1"  | 25  | 10 | 05 02 432              | <b>01764</b> |
| 40 x 1¼" | 32  | 10 | 05 02 440              | <b>01765</b> |
| 50 x 1½" | 40  | 10 | 05 02 450              | <b>01766</b> |
| 63 x 2"  | 50  | 10 | 05 02 463              | <b>01767</b> |
| 75 x 2½" | 65  | 10 | 05 02 475 <sup>*</sup> | <b>22599</b> |
| 90 x 3"  | 80  | 10 | 05 02 490 <sup>*</sup> | <b>22600</b> |
| 110 x 4" | 100 | 10 | 05 02 510 <sup>*</sup> | <b>22601</b> |

| L  | Z  | E   |
|----|----|-----|
| 14 | 5  | 28  |
| 16 | 6  | 34  |
| 19 | 8  | 43  |
| 20 | 10 | 54  |
| 20 | 12 | 63  |
| 24 | 14 | 78  |
| 44 | 18 | 89  |
| 51 | 21 | 106 |
| 61 | 25 | 128 |

\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR  
<sup>4</sup> Kitemark

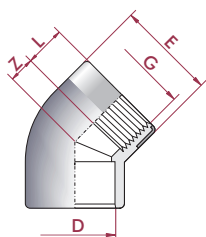
## UP. 02. SFTR - 45° REINFORCED ELBOW

### 45° adaptor reinforced elbow

- Female solvent socket & BSP female thread
- Reinforcement in stainless steel
- Metric series

### Codo 45° mixto reforzado

- Encolar hembra y roscar hembra BSP
- Refuerzo en acero inoxidable
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 20 x 1/2"   | 15 | 16 | 05 02 820 | <b>01774</b> |
| 25 x 3/4"   | 20 | 16 | 05 02 825 | <b>01775</b> |
| 32 x 1"     | 25 | 16 | 05 02 832 | <b>01776</b> |
| 40 x 1 1/4" | 32 | 16 | 05 02 840 | <b>01777</b> |
| 50 x 1 1/2" | 40 | 16 | 05 02 850 | <b>01778</b> |
| 63 x 2"     | 50 | 16 | 05 02 863 | <b>01779</b> |

| L  | Z  | E  |
|----|----|----|
| 14 | 5  | 28 |
| 16 | 6  | 34 |
| 19 | 8  | 43 |
| 20 | 10 | 54 |
| 20 | 12 | 63 |
| 24 | 14 | 78 |

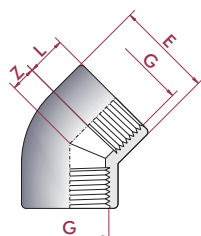
## UP. 02. FT - 45° ELBOW

### 45° elbow

- BSP female thread

### Codo 45°

- Roscar hembra BSP



| G      | DN  | PN | REF.        | CODE         |
|--------|-----|----|-------------|--------------|
| 1/2"   | 15  | 10 | 05 02 620   | <b>01768</b> |
| 3/4"   | 20  | 10 | 05 02 625   | <b>01769</b> |
| 1"     | 25  | 10 | 05 02 632   | <b>01770</b> |
| 1 1/4" | 32  | 10 | 05 02 640   | <b>01771</b> |
| 1 1/2" | 40  | 10 | 05 02 650   | <b>01772</b> |
| 2"     | 50  | 10 | 05 02 663   | <b>01773</b> |
| 2 1/2" | 65  | 10 | 05 02 675 * | <b>22590</b> |
| 3"     | 80  | 10 | 05 02 690 * | <b>22591</b> |
| 4"     | 100 | 10 | 05 02 710 * | <b>22592</b> |

| L  | Z  | E   |
|----|----|-----|
| 14 | 5  | 28  |
| 16 | 6  | 34  |
| 19 | 8  | 43  |
| 20 | 10 | 54  |
| 20 | 12 | 63  |
| 24 | 14 | 78  |
| 30 | 32 | 89  |
| 34 | 39 | 106 |
| 40 | 47 | 129 |

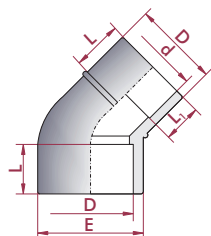
## UP. 30. SFG - 45° REDUCING ELBOW

### 45° reducing elbow

- Female and male solvent socket
- Metric series

### Codo 45° reducido

- Encolar hembra y macho
- Serie métrica



| D x D - d    | DN | PN | REF.      | CODE         |
|--------------|----|----|-----------|--------------|
| 50 x 50 - 40 | 32 | 16 | 05 30 050 | <b>02241</b> |
| 63 x 63 - 50 | 40 | 16 | 05 30 063 | <b>02242</b> |

| L  | L <sub>1</sub> | E  |
|----|----------------|----|
| 31 | 26             | 61 |
| 38 | 31             | 76 |

\* Distributed product

\* Producto comercializado

## PVC-U BEND

### CURVAS PVC-U

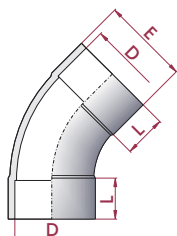
#### UP. 35. SF - 45° BEND

##### 45° bend

- Female solvent socket
- Metric series

##### Curva 45°

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.        | CODE         |
|-----|-----|----|-------------|--------------|
| 315 | 300 | 4  | 05 35 315 * | <b>05348</b> |
| 400 | 353 | 4  | 05 35 400 * | <b>05349</b> |

| L   | E   |
|-----|-----|
| 165 | 348 |
| 206 | 432 |

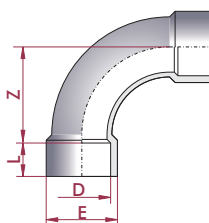
#### UP. 08. SF - 90° BEND

##### 90° bend

- Female solvent socket
- Metric series

##### Curva 90°

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| 20  | 15  | 16 | 05 08 020 <sup>3</sup> | <b>01967</b> |
| 25  | 20  | 16 | 05 08 025 <sup>3</sup> | <b>01968</b> |
| 32  | 25  | 16 | 05 08 032 <sup>3</sup> | <b>01969</b> |
| 40  | 32  | 16 | 05 08 040 <sup>3</sup> | <b>01970</b> |
| 50  | 40  | 16 | 05 08 050 <sup>3</sup> | <b>01971</b> |
| 63  | 50  | 16 | 05 08 063 <sup>3</sup> | <b>01972</b> |
| 75  | 65  | 16 | 05 08 075 <sup>3</sup> | <b>01973</b> |
| 90  | 80  | 16 | 05 08 090 <sup>3</sup> | <b>05331</b> |
| 110 | 100 | 16 | 05 08 110 *            | <b>05332</b> |
| 125 | 110 | 10 | 05 08 125 *            | <b>05333</b> |
| 140 | 125 | 10 | 05 08 140 *            | <b>05334</b> |
| 160 | 150 | 10 | 05 08 160 *            | <b>05335</b> |
| 200 | 175 | 4  | 05 08 200 *            | <b>05336</b> |
| 225 | 200 | 4  | 05 08 225 *            | <b>05337</b> |
| 250 | 225 | 4  | 05 08 250 *            | <b>05338</b> |
| 315 | 300 | 4  | 05 08 315 *            | <b>05339</b> |
| 400 | 353 | 4  | 05 08 400 *            | <b>05340</b> |

| L   | Z   | E   |
|-----|-----|-----|
| 16  | 40  | 27  |
| 19  | 50  | 33  |
| 22  | 64  | 41  |
| 26  | 80  | 50  |
| 31  | 100 | 61  |
| 38  | 126 | 76  |
| 44  | 150 | 90  |
| 51  | 180 | 113 |
| 61  | 220 | 132 |
| 69  | 186 | 150 |
| 76  | 166 | 164 |
| 86  | 194 | 186 |
| 106 | 284 | 223 |
| 119 | 296 | 251 |
| 131 | 334 | 275 |
| 165 | 520 | 348 |
| 206 | 614 | 432 |

\* Distributed product  
\* Producto comercializado

<sup>3</sup> AENOR

## PVC-U TEES

### TÉS PVC-U

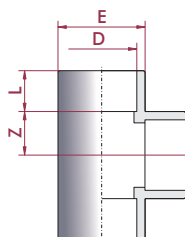
#### UP. 03. SF - 90° TEE

##### 90° tee

- Female solvent socket
- Metric series

##### Té 90°

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                     | CODE         |
|-----|-----|----|--------------------------|--------------|
| 16  | 10  | 16 | 05 03 016 <sup>3</sup>   | <b>16308</b> |
| 20  | 15  | 16 | 05 03 020 <sup>123</sup> | <b>01780</b> |
| 25  | 20  | 16 | 05 03 025 <sup>123</sup> | <b>01781</b> |
| 32  | 25  | 16 | 05 03 032 <sup>123</sup> | <b>01782</b> |
| 40  | 32  | 16 | 05 03 040 <sup>23</sup>  | <b>01783</b> |
| 50  | 40  | 16 | 05 03 050 <sup>123</sup> | <b>01784</b> |
| 63  | 50  | 16 | 05 03 063 <sup>23</sup>  | <b>01785</b> |
| 75  | 65  | 16 | 05 03 075 <sup>234</sup> | <b>01786</b> |
| 90  | 80  | 16 | 05 03 090 <sup>23</sup>  | <b>01787</b> |
| 110 | 100 | 16 | 05 03 110 <sup>3</sup>   | <b>01788</b> |
| 125 | 110 | 16 | 05 03 125 <sup>3</sup>   | <b>01789</b> |
| 140 | 125 | 16 | 05 03 140 <sup>3</sup>   | <b>01790</b> |
| 160 | 150 | 10 | 05 03 160 <sup>3</sup>   | <b>01791</b> |
| 200 | 175 | 10 | 05 03 200 <sup>3</sup>   | <b>01792</b> |
| 225 | 200 | 10 | 05 03 225 <sup>3</sup>   | <b>01793</b> |
| 250 | 225 | 10 | 05 03 250 <sup>3</sup>   | <b>01794</b> |
| 315 | 300 | 10 | 05 03 315 <sup>*</sup>   | <b>01795</b> |
| 400 | 325 | 4  | 05 03 400 <sup>*</sup>   | <b>05328</b> |

| L   | Z   | E   |
|-----|-----|-----|
| 14  | 9   | 22  |
| 16  | 11  | 27  |
| 19  | 14  | 33  |
| 22  | 17  | 41  |
| 26  | 21  | 50  |
| 31  | 26  | 63  |
| 38  | 33  | 78  |
| 44  | 39  | 90  |
| 51  | 46  | 108 |
| 61  | 56  | 131 |
| 69  | 64  | 148 |
| 76  | 71  | 164 |
| 86  | 81  | 186 |
| 106 | 101 | 228 |
| 119 | 114 | 255 |
| 131 | 126 | 284 |
| 164 | 159 | 356 |
| 206 | 280 | 432 |

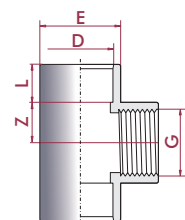
#### UP. 03. SFT - 90° TEE

##### 90° adaptor tee

- Female solvent socket & BSP female thread
- Metric series

##### Té 90° mixta

- Encolar hembra y roscar hembra BSP
- Serie métrica



| D x G       | DN  | PN | REF.                   | CODE         |
|-------------|-----|----|------------------------|--------------|
| 20 x 1/2"   | 15  | 10 | 05 03 420              | <b>01796</b> |
| 25 x 3/4"   | 20  | 10 | 05 03 425              | <b>01797</b> |
| 32 x 1"     | 25  | 10 | 05 03 432              | <b>01798</b> |
| 40 x 1 1/4" | 32  | 10 | 05 03 440              | <b>01799</b> |
| 50 x 1 1/2" | 40  | 10 | 05 03 450              | <b>01800</b> |
| 63 x 2"     | 50  | 10 | 05 03 463              | <b>01801</b> |
| 75 x 2 1/2" | 65  | 10 | 05 03 475 <sup>*</sup> | <b>22602</b> |
| 90 x 3"     | 80  | 10 | 05 03 490 <sup>*</sup> | <b>22603</b> |
| 110 x 4"    | 100 | 10 | 05 03 510 <sup>*</sup> | <b>22604</b> |

| L  | Z  | E   |
|----|----|-----|
| 14 | 11 | 28  |
| 16 | 14 | 34  |
| 19 | 17 | 43  |
| 20 | 21 | 54  |
| 20 | 26 | 63  |
| 24 | 33 | 78  |
| 44 | 39 | 89  |
| 51 | 47 | 106 |
| 61 | 57 | 129 |

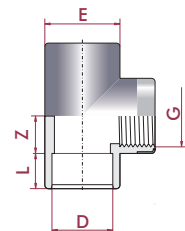
#### UP. 03. SFTR - 90° REINFORCED TEE

##### 90° adaptor reinforced tee

- Female solvent socket & BSP female thread
- Reinforcement in stainless steel
- Metric series

##### Té 90° mixta reforzada

- Encolar hembra y roscar hembra BSP
- Refuerzo en acero inoxidable
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 20 x 1/2"   | 15 | 16 | 05 03 820 | <b>01808</b> |
| 25 x 3/4"   | 20 | 16 | 05 03 825 | <b>01809</b> |
| 32 x 1"     | 25 | 16 | 05 03 832 | <b>01810</b> |
| 40 x 1 1/4" | 32 | 16 | 05 03 840 | <b>01811</b> |
| 50 x 1 1/2" | 40 | 16 | 05 03 850 | <b>01812</b> |
| 63 x 2"     | 50 | 16 | 05 03 863 | <b>01813</b> |

| L  | Z  | E  |
|----|----|----|
| 14 | 11 | 28 |
| 16 | 14 | 34 |
| 19 | 17 | 43 |
| 20 | 21 | 54 |
| 20 | 26 | 63 |
| 24 | 33 | 78 |

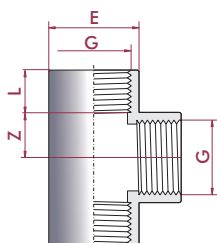
#### UP. 03. FT - 90° TEE

##### 90° tee

- BSP female thread

##### Té 90°

- Roscar hembra BSP



| G      | DN  | PN | REF.                   | CODE         |
|--------|-----|----|------------------------|--------------|
| 1/2"   | 15  | 10 | 05 03 620              | <b>01802</b> |
| 3/4"   | 20  | 10 | 05 03 625              | <b>01803</b> |
| 1"     | 25  | 10 | 05 03 632              | <b>01804</b> |
| 1 1/4" | 32  | 10 | 05 03 640              | <b>01805</b> |
| 1 1/2" | 40  | 10 | 05 03 650              | <b>01806</b> |
| 2"     | 50  | 10 | 05 03 663              | <b>01807</b> |
| 2 1/2" | 65  | 10 | 05 03 675 <sup>*</sup> | <b>22593</b> |
| 3"     | 80  | 10 | 05 03 690 <sup>*</sup> | <b>22594</b> |
| 4"     | 100 | 10 | 05 03 710 <sup>*</sup> | <b>22595</b> |

| L  | Z  | E   |
|----|----|-----|
| 14 | 11 | 28  |
| 16 | 14 | 34  |
| 19 | 17 | 43  |
| 20 | 21 | 54  |
| 20 | 26 | 63  |
| 24 | 33 | 78  |
| 30 | 53 | 89  |
| 34 | 65 | 106 |
| 40 | 79 | 129 |

\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR  
<sup>4</sup> Kitemark

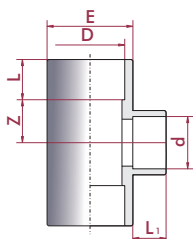
## UP. 04. SFG - 90° REDUCING TEE

### 90° reducing tee

- Female solvent socket
- Metric series

### Té 90° reducida

- Encolar hembra
- Serie métrica



| D x d     | DN        | PN | REF.      | CODE         |
|-----------|-----------|----|-----------|--------------|
| 25 x 20   | 20 - 15   | 16 | 05 04 025 | <b>01814</b> |
| 32 x 25   | 25 - 20   | 16 | 05 04 032 | <b>01815</b> |
| 32 x 20   | 25 - 15   | 16 | 05 04 033 | <b>01816</b> |
| 40 x 32   | 32 - 25   | 16 | 05 04 040 | <b>01817</b> |
| 40 x 25   | 32 - 20   | 16 | 05 04 041 | <b>01818</b> |
| 40 x 20   | 32 - 15   | 16 | 05 04 042 | <b>01819</b> |
| 50 x 40   | 40 - 32   | 16 | 05 04 050 | <b>01820</b> |
| 50 x 32   | 40 - 25   | 16 | 05 04 051 | <b>01821</b> |
| 50 x 25   | 40 - 20   | 16 | 05 04 052 | <b>01822</b> |
| 50 x 20   | 40 - 15   | 16 | 05 04 053 | <b>01823</b> |
| 63 x 50   | 50 - 40   | 16 | 05 04 063 | <b>01824</b> |
| 63 x 40   | 50 - 32   | 16 | 05 04 064 | <b>01825</b> |
| 63 x 32   | 50 - 25   | 16 | 05 04 065 | <b>01826</b> |
| 63 x 25   | 50 - 20   | 16 | 05 04 066 | <b>01827</b> |
| 63 x 20   | 50 - 15   | 16 | 05 04 067 | <b>01828</b> |
| 75 x 63   | 65 - 50   | 16 | 05 04 075 | <b>01829</b> |
| 75 x 50   | 65 - 40   | 16 | 05 04 076 | <b>01830</b> |
| 75 x 40   | 65 - 32   | 16 | 05 04 077 | <b>01831</b> |
| 75 x 32   | 65 - 25   | 16 | 05 04 078 | <b>01832</b> |
| 90 x 75   | 80 - 65   | 16 | 05 04 090 | <b>01833</b> |
| 90 x 63   | 80 - 50   | 16 | 05 04 091 | <b>01834</b> |
| 90 x 50   | 80 - 40   | 16 | 05 04 092 | <b>01835</b> |
| 90 x 40   | 80 - 32   | 16 | 05 04 093 | <b>01836</b> |
| 110 x 90  | 100 - 80  | 16 | 05 04 110 | <b>01837</b> |
| 110 x 75  | 100 - 65  | 16 | 05 04 111 | <b>01838</b> |
| 110 x 63  | 100 - 50  | 16 | 05 04 112 | <b>01839</b> |
| 110 x 50  | 100 - 40  | 16 | 05 04 113 | <b>01840</b> |
| 125 x 110 | 110 - 100 | 16 | 05 04 125 | <b>01841</b> |
| 125 x 90  | 110 - 80  | 16 | 05 04 126 | <b>01842</b> |
| 125 x 75  | 110 - 65  | 16 | 05 04 127 | <b>01843</b> |
| 125 x 63  | 110 - 50  | 16 | 05 04 128 | <b>01844</b> |
| 140 x 125 | 125 - 110 | 16 | 05 04 140 | <b>01845</b> |
| 140 x 110 | 125 - 100 | 16 | 05 04 141 | <b>01846</b> |
| 140 x 90  | 125 - 80  | 16 | 05 04 142 | <b>01847</b> |
| 140 x 75  | 125 - 65  | 16 | 05 04 143 | <b>01848</b> |
| 160 x 140 | 150 - 125 | 10 | 05 04 160 | <b>07688</b> |
| 160 x 125 | 150 - 110 | 10 | 05 04 161 | <b>07689</b> |
| 160 x 110 | 150 - 100 | 10 | 05 04 162 | <b>07690</b> |
| 160 x 90  | 150 - 80  | 10 | 05 04 163 | <b>07691</b> |

| L  | L <sub>1</sub> | Z  | E   |
|----|----------------|----|-----|
| 19 | 16             | 14 | 33  |
| 22 | 19             | 17 | 41  |
| 22 | 16             | 17 | 41  |
| 26 | 22             | 21 | 50  |
| 26 | 19             | 21 | 50  |
| 26 | 16             | 21 | 50  |
| 31 | 26             | 26 | 61  |
| 31 | 22             | 26 | 61  |
| 31 | 19             | 26 | 61  |
| 31 | 16             | 26 | 61  |
| 38 | 31             | 33 | 76  |
| 38 | 26             | 33 | 76  |
| 38 | 22             | 33 | 76  |
| 38 | 19             | 33 | 76  |
| 38 | 16             | 33 | 76  |
| 44 | 38             | 39 | 90  |
| 44 | 31             | 39 | 90  |
| 44 | 26             | 39 | 90  |
| 44 | 22             | 39 | 90  |
| 51 | 44             | 46 | 108 |
| 51 | 38             | 46 | 108 |
| 51 | 31             | 46 | 108 |
| 51 | 26             | 46 | 108 |
| 61 | 51             | 56 | 131 |
| 61 | 44             | 56 | 131 |
| 61 | 38             | 56 | 131 |
| 61 | 31             | 56 | 131 |
| 69 | 61             | 64 | 149 |
| 69 | 51             | 64 | 149 |
| 69 | 44             | 64 | 149 |
| 69 | 38             | 64 | 149 |
| 76 | 69             | 71 | 162 |
| 76 | 61             | 71 | 162 |
| 76 | 51             | 71 | 162 |
| 76 | 44             | 71 | 162 |
| 86 | 76             | 81 | 186 |
| 86 | 69             | 81 | 186 |
| 86 | 61             | 81 | 186 |
| 86 | 41             | 81 | 187 |

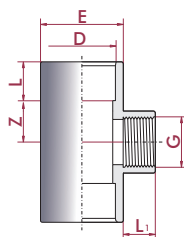
## UP. 04. SFTG - 90° REDUCING TEE

### 90° reducing tee

- Female solvent socket & BSP female thread
- Metric series

### Té 90° reducida

- Encolar hembra y rosca hembra BSP
- Serie métrica



| D x G       | DN      | PN | REF.      | CODE         |
|-------------|---------|----|-----------|--------------|
| 25 x 1/2"   | 20 - 15 | 10 | 05 04 425 | <b>01849</b> |
| 32 x 3/4"   | 25 - 20 | 10 | 05 04 432 | <b>01850</b> |
| 32 x 1/2"   | 25 - 15 | 10 | 05 04 433 | <b>01851</b> |
| 40 x 1"     | 32 - 25 | 10 | 05 04 440 | <b>01852</b> |
| 40 x 3/4"   | 32 - 20 | 10 | 05 04 441 | <b>01853</b> |
| 40 x 1/2"   | 32 - 15 | 10 | 05 04 442 | <b>01854</b> |
| 50 x 1 1/4" | 40 - 32 | 10 | 05 04 450 | <b>01855</b> |
| 50 x 1"     | 40 - 25 | 10 | 05 04 451 | <b>01856</b> |
| 50 x 3/4"   | 40 - 20 | 10 | 05 04 452 | <b>01857</b> |
| 50 x 1/2"   | 40 - 15 | 10 | 05 04 453 | <b>01858</b> |
| 63 x 1 1/2" | 50 - 40 | 10 | 05 04 463 | <b>01859</b> |
| 63 x 1 1/4" | 50 - 32 | 10 | 05 04 464 | <b>01860</b> |
| 63 x 1"     | 50 - 25 | 10 | 05 04 465 | <b>01861</b> |
| 63 x 3/4"   | 50 - 20 | 10 | 05 04 466 | <b>01862</b> |
| 63 x 1/2"   | 50 - 15 | 10 | 05 04 467 | <b>01863</b> |
| 75 x 2"     | 65 - 50 | 10 | 05 04 475 | <b>01864</b> |
| 75 x 1 1/2" | 65 - 40 | 10 | 05 04 476 | <b>01865</b> |
| 75 x 1 1/4" | 65 - 32 | 10 | 05 04 477 | <b>01866</b> |
| 75 x 1"     | 65 - 25 | 10 | 05 04 478 | <b>01867</b> |
| 90 x 2 1/2" | 80 - 65 | 10 | 05 04 490 | <b>01868</b> |
| 90 x 2"     | 80 - 50 | 10 | 05 04 491 | <b>01869</b> |
| 90 x 1 1/2" | 80 - 40 | 10 | 05 04 492 | <b>01870</b> |
| 90 x 1 1/4" | 80 - 32 | 10 | 05 04 493 | <b>01871</b> |

| L  | L <sub>1</sub> | Z  | E   |
|----|----------------|----|-----|
| 19 | 14             | 14 | 33  |
| 22 | 16             | 17 | 41  |
| 22 | 14             | 17 | 41  |
| 26 | 19             | 21 | 50  |
| 26 | 16             | 21 | 50  |
| 26 | 14             | 21 | 50  |
| 31 | 20             | 26 | 61  |
| 31 | 19             | 26 | 61  |
| 31 | 16             | 26 | 61  |
| 31 | 14             | 26 | 61  |
| 38 | 20             | 33 | 76  |
| 38 | 20             | 33 | 76  |
| 38 | 19             | 33 | 76  |
| 38 | 16             | 33 | 76  |
| 38 | 14             | 33 | 76  |
| 44 | 24             | 39 | 90  |
| 44 | 20             | 39 | 90  |
| 44 | 20             | 39 | 90  |
| 44 | 19             | 39 | 90  |
| 51 | 44             | 46 | 108 |
| 51 | 24             | 46 | 108 |
| 51 | 20             | 46 | 108 |
| 51 | 20             | 46 | 108 |

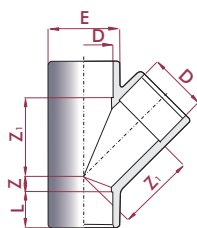
## UP. 36. SF - 45° TEE

### 45° tee

- Female solvent socket
- Metric series

### Té 45°

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| 20  | 15  | 16 | 05 36 020 *            | <b>22583</b> |
| 25  | 20  | 16 | 05 36 025 *            | <b>22584</b> |
| 32  | 25  | 16 | 05 36 032 *            | <b>22585</b> |
| 40  | 32  | 16 | 05 36 040              | <b>22586</b> |
| 50  | 40  | 10 | 05 36 050 <sup>3</sup> | <b>20155</b> |
| 63  | 50  | 10 | 05 36 063 <sup>3</sup> | <b>20156</b> |
| 75  | 65  | 10 | 05 36 075 *            | <b>32804</b> |
| 90  | 80  | 10 | 05 36 090 *            | <b>32805</b> |
| 110 | 100 | 10 | 05 36 110 *            | <b>32806</b> |

| L  | Z  | Z <sub>1</sub> | E   |
|----|----|----------------|-----|
| 16 | 7  | 29             | 28  |
| 19 | 7  | 36             | 34  |
| 22 | 8  | 44             | 42  |
| 26 | 10 | 54             | 51  |
| 31 | 13 | 67             | 61  |
| 38 | 15 | 83             | 76  |
| 44 | 18 | 101            | 91  |
| 51 | 20 | 122            | 106 |
| 61 | 27 | 149            | 133 |

## PVC-U CROSSES CRUCES PVC-U

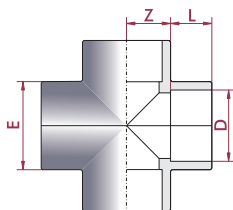
## UP. 28. SF - CROSS

### Cross

- Female solvent socket
- Metric series

### Cruz

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.        | CODE         |
|-----|-----|----|-------------|--------------|
| 20  | 15  | 16 | 05 28 020   | <b>20143</b> |
| 25  | 20  | 16 | 05 28 025   | <b>20144</b> |
| 32  | 25  | 16 | 05 28 032   | <b>20145</b> |
| 40  | 32  | 16 | 05 28 040   | <b>20146</b> |
| 50  | 40  | 16 | 05 28 050   | <b>02235</b> |
| 63  | 50  | 16 | 05 28 063   | <b>02236</b> |
| 75  | 65  | 16 | 05 28 075 * | <b>27958</b> |
| 90  | 80  | 16 | 05 28 090 * | <b>22581</b> |
| 110 | 100 | 16 | 05 28 110 * | <b>22582</b> |

| L  | Z  | E   |
|----|----|-----|
| 16 | 11 | 29  |
| 19 | 14 | 35  |
| 22 | 17 | 43  |
| 26 | 21 | 52  |
| 31 | 26 | 63  |
| 38 | 33 | 79  |
| 42 | 39 | 92  |
| 51 | 46 | 106 |
| 61 | 56 | 130 |

\* Distributed product  
\* Producto comercializado

<sup>3</sup> AENOR



## PVC-U SOCKETS

### MANGUITOS UNIÓN PVC-U

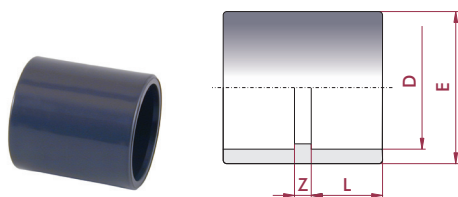
#### UP. 05. SF - SOCKET

##### Socket

- Female solvent socket
- Metric series

##### Manguito unión

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                      | CODE         |
|-----|-----|----|---------------------------|--------------|
| 16  | 10  | 16 | 05 05 016 <sup>3</sup>    | <b>16309</b> |
| 20  | 15  | 16 | 05 05 020 <sup>123</sup>  | <b>01872</b> |
| 25  | 20  | 16 | 05 05 025 <sup>123</sup>  | <b>01873</b> |
| 32  | 25  | 16 | 05 05 032 <sup>123</sup>  | <b>01874</b> |
| 40  | 32  | 16 | 05 05 040 <sup>123</sup>  | <b>01875</b> |
| 50  | 40  | 16 | 05 05 050 <sup>123</sup>  | <b>01876</b> |
| 63  | 50  | 16 | 05 05 063 <sup>123</sup>  | <b>01877</b> |
| 75  | 65  | 16 | 05 05 075 <sup>1234</sup> | <b>01878</b> |
| 90  | 80  | 16 | 05 05 090 <sup>123</sup>  | <b>01879</b> |
| 110 | 100 | 16 | 05 05 110 <sup>13</sup>   | <b>01880</b> |
| 125 | 110 | 16 | 05 05 125 <sup>13</sup>   | <b>01881</b> |
| 140 | 125 | 16 | 05 05 140 <sup>13</sup>   | <b>01882</b> |
| 160 | 150 | 10 | 05 05 160 <sup>13</sup>   | <b>01883</b> |
| 200 | 175 | 10 | 05 05 200 <sup>3</sup>    | <b>01884</b> |
| 225 | 200 | 10 | 05 05 225 <sup>3</sup>    | <b>01885</b> |
| 250 | 225 | 10 | 05 05 250 <sup>3</sup>    | <b>01886</b> |
| 315 | 300 | 10 | 05 05 315 <sup>3</sup>    | <b>01887</b> |
| 400 | 375 | 6  | 05 05 400 <sup>*</sup>    | <b>05329</b> |

| L   | Z  | E   |
|-----|----|-----|
| 14  | 3  | 22  |
| 16  | 3  | 27  |
| 19  | 3  | 33  |
| 22  | 3  | 41  |
| 26  | 3  | 50  |
| 31  | 3  | 61  |
| 38  | 3  | 75  |
| 44  | 4  | 90  |
| 51  | 5  | 108 |
| 61  | 6  | 129 |
| 69  | 7  | 148 |
| 76  | 9  | 164 |
| 86  | 9  | 180 |
| 106 | 10 | 225 |
| 119 | 10 | 252 |
| 131 | 12 | 280 |
| 164 | 12 | 352 |
| 206 | 12 | 432 |

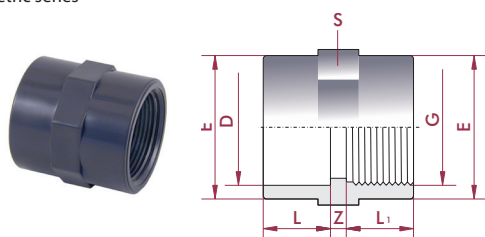
#### UP. 05. SFT - SOCKET

##### Adaptor socket

- Female solvent socket & BSP female thread
- Metric series

##### Manguito unión mixto

- Encolar hembra y roscar hembra BSP
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 16 x 3/8"   | 12 | 10 | 05 05 416 | <b>01888</b> |
| 20 x 1/2"   | 15 | 10 | 05 05 420 | <b>01889</b> |
| 25 x 3/4"   | 20 | 10 | 05 05 425 | <b>01890</b> |
| 32 x 1"     | 25 | 10 | 05 05 432 | <b>01891</b> |
| 40 x 1 1/4" | 32 | 10 | 05 05 440 | <b>01892</b> |
| 50 x 1 1/2" | 40 | 10 | 05 05 450 | <b>01893</b> |
| 63 x 2"     | 50 | 10 | 05 05 463 | <b>01894</b> |
| 75 x 2 1/2" | 65 | 10 | 05 05 475 | <b>01895</b> |
| 90 x 3"     | 80 | 10 | 05 05 490 | <b>01896</b> |
| 110 x 4"    | 90 | 10 | 05 05 510 | <b>01897</b> |

| L  | L <sub>1</sub> | Z | E   | S   |
|----|----------------|---|-----|-----|
| 14 | 14             | 3 | 22  | 22  |
| 16 | 14             | 3 | 28  | 27  |
| 19 | 16             | 3 | 34  | 33  |
| 22 | 19             | 3 | 43  | 41  |
| 26 | 20             | 3 | 54  | 50  |
| 31 | 20             | 3 | 63  | 61  |
| 38 | 24             | 3 | 78  | 75  |
| 44 | 44             | 4 | 90  | 90  |
| 51 | 51             | 6 | 108 | 108 |
| 61 | 61             | 6 | 135 | 135 |

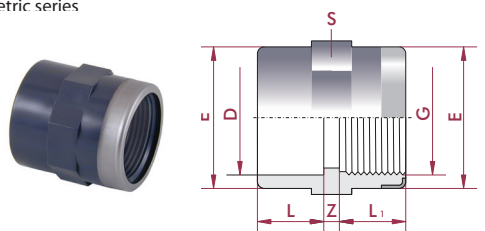
#### UP. 05. SFTR - SOCKET REINFORCED

##### Adaptor socket reinforced

- Female solvent socket & BSP female thread
- Reinforcement in stainless steel
- Metric series

##### Manguito unión mixto reforzado

- Encolar hembra y roscar hembra BSP
- Refuerzo en acero inoxidable
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 20 x 1/2"   | 15 | 16 | 05 05 820 | <b>01908</b> |
| 25 x 3/4"   | 20 | 16 | 05 05 825 | <b>01909</b> |
| 32 x 1"     | 25 | 16 | 05 05 832 | <b>01910</b> |
| 40 x 1 1/4" | 32 | 16 | 05 05 840 | <b>01911</b> |
| 50 x 1 1/2" | 40 | 16 | 05 05 850 | <b>01912</b> |
| 63 x 2"     | 50 | 16 | 05 05 863 | <b>01913</b> |

| L  | L <sub>1</sub> | Z | E  | S  |
|----|----------------|---|----|----|
| 16 | 14             | 3 | 28 | 27 |
| 19 | 16             | 3 | 34 | 33 |
| 22 | 19             | 3 | 43 | 41 |
| 26 | 20             | 3 | 54 | 50 |
| 31 | 20             | 3 | 63 | 61 |
| 38 | 24             | 3 | 78 | 75 |

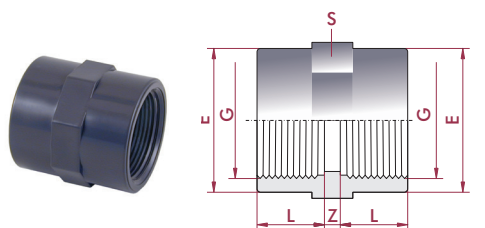
#### UP. 05. FT - SOCKET

##### Threaded adaptor socket

- BSP female thread

##### Manguito unión doble rosca

- Roscar hembra BSP



| G      | DN  | PN | REF.      | CODE         |
|--------|-----|----|-----------|--------------|
| 3/8"   | 10  | 10 | 05 05 616 | <b>01898</b> |
| 1/2"   | 15  | 10 | 05 05 620 | <b>01899</b> |
| 3/4"   | 20  | 10 | 05 05 625 | <b>01900</b> |
| 1"     | 25  | 10 | 05 05 632 | <b>01901</b> |
| 1 1/4" | 32  | 10 | 05 05 640 | <b>01902</b> |
| 1 1/2" | 40  | 10 | 05 05 650 | <b>01903</b> |
| 2"     | 50  | 10 | 05 05 663 | <b>01904</b> |
| 2 1/2" | 65  | 10 | 05 05 675 | <b>01905</b> |
| 3"     | 80  | 10 | 05 05 690 | <b>01906</b> |
| 4"     | 100 | 10 | 05 05 710 | <b>01907</b> |

| L  | Z | E   | S   |
|----|---|-----|-----|
| 14 | 3 | 22  | 22  |
| 14 | 3 | 27  | 28  |
| 16 | 3 | 33  | 34  |
| 19 | 3 | 41  | 43  |
| 20 | 3 | 50  | 54  |
| 20 | 3 | 61  | 63  |
| 24 | 3 | 75  | 78  |
| 44 | 4 | 90  | 90  |
| 51 | 6 | 108 | 108 |
| 61 | 6 | 135 | 135 |

\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR  
<sup>4</sup> Kitemark

## PVC-U REDUCERS

### REDUCCIONES PVC-U

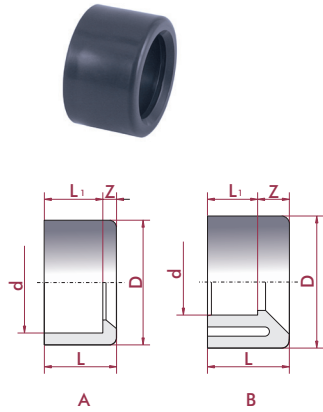
#### UP. 06. SMF - REDUCING BUSH

##### Reducing bush

- Male x female solvent socket
- Metric series

##### Casquillo reducción

- Encolar macho x hembra
- Serie métrica



| D x d     | DN  | PN | REF.                    | CODE         |
|-----------|-----|----|-------------------------|--------------|
| 20 x 16   | 10  | 16 | 05 06 020 <sup>3</sup>  | <b>01914</b> |
| 25 x 20   | 15  | 16 | 05 06 025 <sup>23</sup> | <b>01915</b> |
| 32 x 25   | 20  | 16 | 05 06 032 <sup>23</sup> | <b>01916</b> |
| 32 x 20   | 15  | 16 | 05 06 033 <sup>3</sup>  | <b>01917</b> |
| 40 x 32   | 25  | 16 | 05 06 040 <sup>23</sup> | <b>01918</b> |
| 40 x 25   | 20  | 16 | 05 06 041 <sup>3</sup>  | <b>01919</b> |
| 40 x 20   | 15  | 16 | 05 06 042 <sup>3</sup>  | <b>01920</b> |
| 50 x 40   | 32  | 16 | 05 06 050 <sup>23</sup> | <b>01921</b> |
| 50 x 32   | 25  | 16 | 05 06 051 <sup>3</sup>  | <b>01922</b> |
| 50 x 25   | 20  | 16 | 05 06 052 <sup>3</sup>  | <b>01923</b> |
| 50 x 20   | 15  | 16 | 05 06 053 <sup>3</sup>  | <b>01924</b> |
| 63 x 50   | 40  | 16 | 05 06 063 <sup>23</sup> | <b>01925</b> |
| 63 x 40   | 32  | 16 | 05 06 064 <sup>3</sup>  | <b>01926</b> |
| 63 x 32   | 25  | 16 | 05 06 065 <sup>3</sup>  | <b>01927</b> |
| 75 x 63   | 50  | 16 | 05 06 075 <sup>23</sup> | <b>01928</b> |
| 75 x 50   | 40  | 16 | 05 06 076 <sup>3</sup>  | <b>18685</b> |
| 75 x 40   | 32  | 16 | 05 06 077 <sup>3</sup>  | <b>18686</b> |
| 90 x 75   | 65  | 16 | 05 06 090 <sup>23</sup> | <b>01929</b> |
| 90 x 63   | 50  | 16 | 05 06 091 <sup>3</sup>  | <b>18687</b> |
| 90 x 50   | 40  | 16 | 05 06 092 <sup>3</sup>  | <b>18688</b> |
| 110 x 90  | 80  | 16 | 05 06 110 <sup>3</sup>  | <b>01930</b> |
| 110 x 75  | 65  | 16 | 05 06 111 <sup>3</sup>  | <b>18689</b> |
| 110 x 63  | 50  | 16 | 05 06 112 <sup>3</sup>  | <b>18690</b> |
| 125 x 110 | 100 | 16 | 05 06 125 <sup>3</sup>  | <b>01931</b> |
| 125 x 90  | 80  | 16 | 05 06 126 <sup>3</sup>  | <b>18691</b> |
| 125 x 75  | 65  | 16 | 05 06 127 <sup>3</sup>  | <b>20142</b> |
| 140 x 125 | 110 | 16 | 05 06 140 <sup>3</sup>  | <b>01932</b> |
| 140 x 110 | 100 | 16 | 05 06 141 <sup>3</sup>  | <b>18692</b> |
| 160 x 140 | 125 | 10 | 05 06 160 <sup>3</sup>  | <b>01933</b> |
| 160 x 110 | 100 | 10 | 05 06 162 <sup>3</sup>  | <b>18693</b> |
| 200 x 180 | 160 | 10 | 05 06 199 <sup>3</sup>  | <b>01934</b> |
| 200 x 160 | 150 | 10 | 05 06 200 <sup>3</sup>  | <b>01935</b> |
| 225 x 200 | 175 | 10 | 05 06 225 <sup>3</sup>  | <b>01936</b> |
| 225 x 160 | 150 | 10 | 05 06 226 <sup>3</sup>  | <b>01937</b> |
| 250 x 225 | 200 | 10 | 05 06 250 <sup>3</sup>  | <b>01938</b> |
| 250 x 200 | 175 | 10 | 05 06 251 <sup>3</sup>  | <b>01939</b> |
| 315 x 280 | 250 | 6  | 05 06 315               | <b>10093</b> |
| 315 x 250 | 225 | 6  | 05 06 316 *             | <b>01940</b> |
| 315 x 225 | 200 | 6  | 05 06 317 *             | <b>01941</b> |
| 400 x 315 | 300 | 6  | 05 06 400 *             | <b>05330</b> |

| L   | L <sub>1</sub> | Z  | Mod. |
|-----|----------------|----|------|
| 16  | 14             | 2  | A    |
| 19  | 16             | 3  | A    |
| 22  | 19             | 3  | A    |
| 22  | 16             | 6  | A    |
| 26  | 22             | 4  | A    |
| 26  | 19             | 7  | A    |
| 26  | 16             | 10 | B    |
| 31  | 26             | 5  | A    |
| 31  | 22             | 9  | B    |
| 31  | 19             | 12 | B    |
| 31  | 16             | 15 | B    |
| 38  | 31             | 7  | A    |
| 38  | 26             | 12 | B    |
| 38  | 22             | 16 | B    |
| 44  | 38             | 6  | A    |
| 44  | 31             | 13 | B    |
| 44  | 26             | 18 | B    |
| 51  | 44             | 7  | A    |
| 51  | 38             | 13 | B    |
| 51  | 31             | 20 | B    |
| 61  | 51             | 10 | A    |
| 61  | 44             | 17 | B    |
| 61  | 38             | 23 | B    |
| 69  | 61             | 8  | A    |
| 69  | 51             | 18 | B    |
| 69  | 44             | 25 | B    |
| 76  | 69             | 8  | A    |
| 76  | 61             | 15 | B    |
| 86  | 76             | 10 | A    |
| 86  | 61             | 25 | B    |
| 106 | 96             | 10 | A    |
| 106 | 86             | 20 | B    |
| 119 | 106            | 13 | A    |
| 119 | 86             | 33 | B    |
| 131 | 119            | 12 | A    |
| 131 | 106            | 25 | B    |
| 164 | 131            | 33 | B    |
| 164 | 119            | 45 | B    |
| 206 | 163            | 42 | B    |

\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR

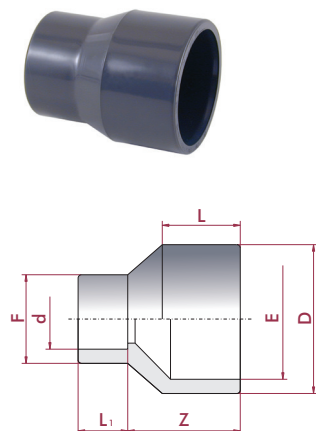
## UP. 09. SMF - CONICAL REDUCER

### Conical reducer

- Male x female solvent socket
- Metric series

### Reducción cónica

- Encolar macho x hembra
- Serie métrica



| D-E x d       | DN  | PN | DN                      | CODE         |
|---------------|-----|----|-------------------------|--------------|
| 32-25 x 25    | 20  | 16 | 05 09 032 <sup>3</sup>  | <b>01974</b> |
| 32-25 x 20    | 15  | 16 | 05 09 033 <sup>3</sup>  | <b>01975</b> |
| 40-32 x 32    | 25  | 16 | 05 09 040 <sup>3</sup>  | <b>01976</b> |
| 40-32 x 25    | 20  | 16 | 05 09 041 <sup>3</sup>  | <b>01977</b> |
| 40-32 x 20    | 15  | 16 | 05 09 042 <sup>3</sup>  | <b>01978</b> |
| 50-40 x 40    | 32  | 16 | 05 09 050 <sup>3</sup>  | <b>01979</b> |
| 50-40 x 32    | 25  | 16 | 05 09 051 <sup>3</sup>  | <b>01980</b> |
| 50-40 x 25    | 20  | 16 | 05 09 052 <sup>3</sup>  | <b>01981</b> |
| 50-40 x 20    | 15  | 16 | 05 09 053 <sup>3</sup>  | <b>01982</b> |
| 63-50 x 50    | 40  | 16 | 05 09 063 <sup>3</sup>  | <b>01983</b> |
| 63-50 x 40    | 32  | 16 | 05 09 064 <sup>3</sup>  | <b>01984</b> |
| 63-50 x 32    | 25  | 16 | 05 09 065 <sup>3</sup>  | <b>01985</b> |
| 63-50 x 25    | 20  | 16 | 05 09 066 <sup>3</sup>  | <b>01986</b> |
| 63-50 x 20    | 15  | 16 | 05 09 067 <sup>3</sup>  | <b>01987</b> |
| 75-63 x 63    | 50  | 16 | 05 09 075 <sup>3</sup>  | <b>01988</b> |
| 75-63 x 50    | 40  | 16 | 05 09 076 <sup>3</sup>  | <b>01989</b> |
| 75-63 x 40    | 32  | 16 | 05 09 077 <sup>3</sup>  | <b>01990</b> |
| 75-63 x 32    | 25  | 16 | 05 09 078 <sup>3</sup>  | <b>01991</b> |
| 90-75 x 75    | 65  | 16 | 05 09 090 <sup>3</sup>  | <b>01992</b> |
| 90-75 x 63    | 50  | 16 | 05 09 091 <sup>3</sup>  | <b>01993</b> |
| 90-75 x 50    | 40  | 16 | 05 09 092 <sup>3</sup>  | <b>01994</b> |
| 90-75 x 40    | 32  | 16 | 05 09 093 <sup>3</sup>  | <b>01995</b> |
| 110-90 x 90   | 80  | 16 | 05 09 110 <sup>3</sup>  | <b>01996</b> |
| 110-90 x 75   | 65  | 16 | 05 09 111 <sup>3</sup>  | <b>01997</b> |
| 110-90 x 63   | 50  | 16 | 05 09 112 <sup>3</sup>  | <b>01998</b> |
| 110-90 x 50   | 40  | 16 | 05 09 113 <sup>3</sup>  | <b>01999</b> |
| 125-110 x 90  | 80  | 16 | 05 09 126 <sup>3</sup>  | <b>02000</b> |
| 125-110 x 75  | 65  | 16 | 05 09 127 <sup>3</sup>  | <b>02001</b> |
| 125-110 x 63  | 50  | 16 | 05 09 128 <sup>3</sup>  | <b>02002</b> |
| 140-125 x 110 | 100 | 16 | 05 09 141 <sup>3</sup>  | <b>02003</b> |
| 140-125 x 90  | 80  | 16 | 05 09 142 <sup>3</sup>  | <b>02004</b> |
| 140-125 x 75  | 65  | 16 | 05 09 143 <sup>3</sup>  | <b>02005</b> |
| 160-140 x 125 | 110 | 10 | 05 09 161 <sup>13</sup> | <b>02006</b> |
| 160-140 x 110 | 100 | 10 | 05 09 162 <sup>13</sup> | <b>02007</b> |
| 160-140 x 90  | 80  | 10 | 05 09 163 <sup>3</sup>  | <b>02008</b> |
| 200-180 x 140 | 125 | 10 | 05 09 202               | <b>02009</b> |
| 200-180 x 125 | 110 | 10 | 05 09 203               | <b>02010</b> |
| 200-180 x 110 | 100 | 10 | 05 09 204               | <b>02011</b> |
| 225-200 x 160 | 150 | 10 | 05 09 227               | <b>02012</b> |
| 225-200 x 140 | 125 | 10 | 05 09 228               | <b>02013</b> |
| 225-200 x 125 | 110 | 10 | 05 09 229               | <b>02014</b> |
| 250-225 x 200 | 175 | 10 | 05 09 251               | <b>02015</b> |
| 250-225 x 160 | 150 | 10 | 05 09 253               | <b>02016</b> |
| 250-225 x 140 | 125 | 10 | 05 09 254               | <b>02017</b> |
| 315-280 x 200 | 175 | 6  | 05 09 318 *             | <b>02018</b> |
| 315-280 x 160 | 150 | 6  | 05 09 320 *             | <b>02019</b> |

| L   | L <sub>1</sub> | Z   | F   |
|-----|----------------|-----|-----|
| 22  | 19             | 30  | 33  |
| 22  | 16             | 30  | 27  |
| 26  | 22             | 36  | 38  |
| 26  | 19             | 36  | 33  |
| 26  | 16             | 36  | 27  |
| 31  | 26             | 44  | 48  |
| 31  | 22             | 44  | 41  |
| 31  | 19             | 44  | 33  |
| 31  | 16             | 44  | 27  |
| 38  | 31             | 54  | 61  |
| 38  | 26             | 54  | 50  |
| 38  | 22             | 54  | 41  |
| 38  | 19             | 54  | 33  |
| 38  | 16             | 54  | 27  |
| 44  | 38             | 62  | 73  |
| 44  | 31             | 62  | 61  |
| 44  | 26             | 62  | 50  |
| 44  | 22             | 62  | 41  |
| 51  | 44             | 74  | 87  |
| 51  | 38             | 74  | 75  |
| 51  | 31             | 74  | 61  |
| 51  | 26             | 74  | 50  |
| 61  | 51             | 88  | 105 |
| 61  | 44             | 88  | 90  |
| 61  | 38             | 88  | 75  |
| 61  | 31             | 88  | 61  |
| 69  | 51             | 100 | 105 |
| 69  | 44             | 100 | 90  |
| 69  | 38             | 100 | 75  |
| 76  | 61             | 111 | 130 |
| 76  | 51             | 111 | 105 |
| 76  | 44             | 111 | 90  |
| 86  | 69             | 126 | 148 |
| 86  | 61             | 126 | 130 |
| 86  | 51             | 126 | 105 |
| 106 | 76             | 154 | 157 |
| 106 | 69             | 154 | 140 |
| 106 | 61             | 154 | 130 |
| 119 | 86             | 171 | 180 |
| 119 | 76             | 171 | 160 |
| 119 | 69             | 171 | 140 |
| 131 | 106            | 194 | 225 |
| 131 | 86             | 194 | 180 |
| 131 | 76             | 194 | 157 |
| 164 | 106            | 233 | 225 |
| 164 | 86             | 233 | 180 |

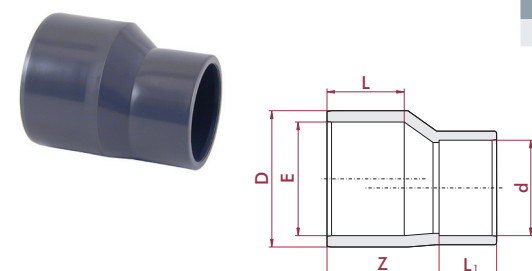
## UP. 09. SF - EXCENTRIC CONICAL REDUCER

### Excentric conical reducer

- Female solvent socket
- Metric series

### Reducción cónica excéntrica

- Encolar hembra
- Serie métrica



| D-E x d      | DN | PN | REF.      | CODE         |
|--------------|----|----|-----------|--------------|
| 90 - 75 x 63 | 50 | 16 | 05 09 691 | <b>09030</b> |

| L  | L <sub>1</sub> | Z  |
|----|----------------|----|
| 51 | 38             | 74 |

\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR

## PVC-U CAPS TAPONES PVC-U

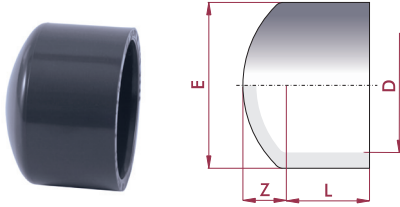
### UP. 07. SF - CAP

#### Cap

- Female solvent socket
- Metric series

#### Tapón

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.                    | CODE  |
|-----|-----|----|-------------------------|-------|
| 16  | 10  | 16 | 05 07 016               | 01942 |
| 20  | 15  | 16 | 05 07 020 <sup>2</sup>  | 01943 |
| 25  | 20  | 16 | 05 07 025 <sup>2</sup>  | 01944 |
| 32  | 25  | 16 | 05 07 032 <sup>2</sup>  | 01945 |
| 40  | 32  | 16 | 05 07 040 <sup>2</sup>  | 01946 |
| 50  | 40  | 16 | 05 07 050 <sup>2</sup>  | 01947 |
| 63  | 50  | 16 | 05 07 063 <sup>2</sup>  | 01948 |
| 75  | 65  | 16 | 05 07 075 <sup>24</sup> | 01949 |
| 90  | 80  | 16 | 05 07 090 <sup>2</sup>  | 01950 |
| 110 | 100 | 16 | 05 07 110               | 01951 |
| 125 | 110 | 16 | 05 07 125               | 01952 |
| 140 | 125 | 16 | 05 07 140               | 01953 |
| 160 | 150 | 10 | 05 07 160               | 01954 |
| 200 | 175 | 10 | 05 07 200               | 01955 |
| 225 | 200 | 10 | 05 07 225               | 01956 |
| 250 | 225 | 10 | 05 07 250               | 15776 |
| 315 | 300 | 10 | 05 07 315               | 15777 |
| 400 | 355 | 5  | 05 07 400 *             | TBD   |

| L   | Z   | E   |
|-----|-----|-----|
| 14  | 7   | 22  |
| 16  | 8   | 25  |
| 19  | 9   | 32  |
| 22  | 10  | 40  |
| 26  | 12  | 50  |
| 31  | 15  | 63  |
| 38  | 17  | 75  |
| 44  | 19  | 90  |
| 51  | 23  | 110 |
| 61  | 28  | 131 |
| 69  | 32  | 148 |
| 76  | 36  | 163 |
| 86  | 40  | 185 |
| 106 | 46  | 224 |
| 119 | 50  | 252 |
| 131 | 60  | 282 |
| 164 | 70  | 357 |
| 206 | 126 | 434 |

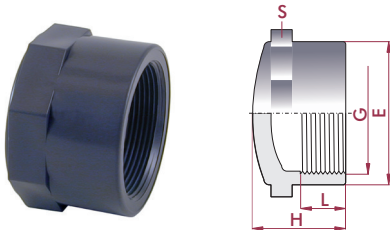
### UP. 07. FT - CAP

#### Cap

- BSP female thread

#### Tapón

- Roscar hembra BSP



| G      | DN  | PN | REF.      | CODE  |
|--------|-----|----|-----------|-------|
| 3/8"   | 10  | 10 | 05 07 616 | 01957 |
| 1/2"   | 15  | 10 | 05 07 620 | 01958 |
| 3/4"   | 20  | 10 | 05 07 625 | 01959 |
| 1"     | 25  | 10 | 05 07 632 | 01960 |
| 1 1/4" | 32  | 10 | 05 07 640 | 01961 |
| 1 1/2" | 40  | 10 | 05 07 650 | 01962 |
| 2"     | 50  | 10 | 05 07 663 | 01963 |
| 2 1/2" | 65  | 10 | 05 07 675 | 01964 |
| 3"     | 80  | 10 | 05 07 690 | 01965 |
| 4"     | 100 | 10 | 05 07 710 | 01966 |

| L  | E   | H  | S   |
|----|-----|----|-----|
| 14 | 24  | 20 | 24  |
| 14 | 27  | 23 | 27  |
| 16 | 33  | 28 | 33  |
| 19 | 41  | 33 | 41  |
| 20 | 50  | 36 | 50  |
| 20 | 61  | 43 | 61  |
| 24 | 75  | 50 | 75  |
| 44 | 90  | 64 | 90  |
| 51 | 108 | 76 | 108 |
| 61 | 135 | 91 | 135 |

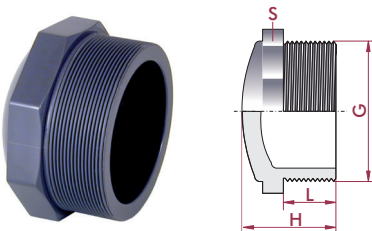
### UP. 19. MT - PLUG

#### Plug

- BSP male thread

#### Tapón

- Roscar macho BSP



| G      | DN  | PN | REF.      | CODE  |
|--------|-----|----|-----------|-------|
| 1/4"   | 8   | 10 | 05 19 612 | 02121 |
| 3/8"   | 10  | 10 | 05 19 616 | 02122 |
| 1/2"   | 15  | 10 | 05 19 620 | 02123 |
| 3/4"   | 20  | 10 | 05 19 625 | 02124 |
| 1"     | 25  | 10 | 05 19 632 | 02125 |
| 1 1/4" | 32  | 10 | 05 19 640 | 02126 |
| 1 1/2" | 40  | 10 | 05 19 650 | 02127 |
| 2"     | 50  | 10 | 05 19 663 | 02128 |
| 2 1/2" | 65  | 10 | 05 19 675 | 02129 |
| 3"     | 80  | 10 | 05 19 690 | 02130 |
| 4"     | 100 | 10 | 05 19 710 | 02131 |

| L  | H  | S   |
|----|----|-----|
| 10 | 18 | 12  |
| 10 | 22 | 20  |
| 14 | 27 | 27  |
| 16 | 30 | 32  |
| 19 | 34 | 36  |
| 21 | 36 | 46  |
| 21 | 37 | 55  |
| 26 | 42 | 65  |
| 30 | 50 | 80  |
| 33 | 59 | 93  |
| 38 | 68 | 115 |

<sup>1</sup> AFNOR

<sup>2</sup> KIWA

<sup>3</sup> AENOR

<sup>4</sup> Kitemark

## PVC-U NIPPLES

### MACHONES PVC-U

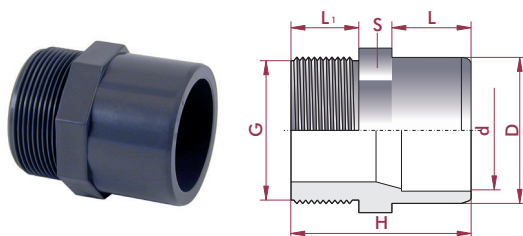
#### UP. 15. SFMT - ADAPTOR NIPPLE

##### Adaptor nipple

- Female solvent socket & BSP male thread
- Metric series

##### Machón mixto

- Encolar hembra y roscar macho BSP
- Serie métrica



| D - d x G         | DN  | PN | REF.      | CODE         |
|-------------------|-----|----|-----------|--------------|
| 16 - 12 x 3/8"    | 12  | 10 | 05 15 416 | <b>02073</b> |
| 20 - 16 x 1/2"    | 15  | 10 | 05 15 420 | <b>02074</b> |
| 20 - 16 x 3/4"    | 12  | 10 | 05 15 421 | <b>02075</b> |
| 25 - 20 x 3/4"    | 20  | 10 | 05 15 425 | <b>02076</b> |
| 25 - 20 x 1/2"    | 15  | 10 | 05 15 426 | <b>02077</b> |
| 25 - 20 x 3/8"    | 12  | 10 | 05 15 427 | <b>02078</b> |
| 32 - 25 x 1"      | 25  | 10 | 05 15 432 | <b>02079</b> |
| 32 - 25 x 3/4"    | 20  | 10 | 05 15 433 | <b>02080</b> |
| 32 - 25 x 1/2"    | 15  | 10 | 05 15 434 | <b>02081</b> |
| 40 - 32 x 1 1/4"  | 32  | 10 | 05 15 440 | <b>02082</b> |
| 40 - 32 x 1"      | 25  | 10 | 05 15 441 | <b>02083</b> |
| 40 - 32 x 3/4"    | 20  | 10 | 05 15 442 | <b>02084</b> |
| 50 - 40 x 1 1/2"  | 40  | 10 | 05 15 450 | <b>02085</b> |
| 50 - 40 x 1 1/4"  | 32  | 10 | 05 15 451 | <b>02086</b> |
| 50 - 40 x 1"      | 25  | 10 | 05 15 452 | <b>02087</b> |
| 63 - 50 x 2"      | 50  | 10 | 05 15 463 | <b>02088</b> |
| 63 - 50 x 1 1/2"  | 40  | 10 | 05 15 464 | <b>02089</b> |
| 63 - 50 x 1 1/4"  | 32  | 10 | 05 15 465 | <b>02090</b> |
| 75 - 63 x 2 1/2"  | 65  | 10 | 05 15 475 | <b>02091</b> |
| 75 - 63 x 2"      | 50  | 10 | 05 15 476 | <b>02092</b> |
| 75 - 63 x 1 1/2"  | 40  | 10 | 05 15 477 | <b>02093</b> |
| 90 - 75 x 3"      | 80  | 10 | 05 15 490 | <b>02094</b> |
| 90 - 75 x 2 1/2"  | 65  | 10 | 05 15 491 | <b>02095</b> |
| 90 - 75 x 2"      | 50  | 10 | 05 15 492 | <b>02096</b> |
| 110 - 90 x 4"     | 100 | 10 | 05 15 510 | <b>02097</b> |
| 110 - 90 x 3"     | 80  | 10 | 05 15 511 | <b>02098</b> |
| 110 - 90 x 2 1/2" | 65  | 10 | 05 15 512 | <b>02099</b> |

| L  | L <sub>1</sub> | H   | S   |
|----|----------------|-----|-----|
| 14 | 11             | 35  | 24  |
| 16 | 14             | 42  | 27  |
| 16 | 11             | 39  | 27  |
| 19 | 16             | 47  | 32  |
| 19 | 14             | 45  | 32  |
| 19 | 11             | 42  | 32  |
| 22 | 19             | 54  | 36  |
| 22 | 16             | 51  | 36  |
| 22 | 14             | 49  | 36  |
| 26 | 21             | 60  | 46  |
| 26 | 19             | 58  | 46  |
| 26 | 16             | 55  | 46  |
| 31 | 25             | 70  | 55  |
| 31 | 21             | 66  | 55  |
| 31 | 19             | 64  | 55  |
| 38 | 25             | 78  | 65  |
| 38 | 21             | 73  | 65  |
| 38 | 21             | 73  | 65  |
| 44 | 30             | 89  | 78  |
| 44 | 25             | 84  | 78  |
| 44 | 21             | 80  | 78  |
| 51 | 33             | 99  | 93  |
| 51 | 30             | 96  | 93  |
| 51 | 25             | 91  | 93  |
| 61 | 40             | 116 | 120 |
| 61 | 33             | 109 | 120 |
| 61 | 30             | 106 | 120 |

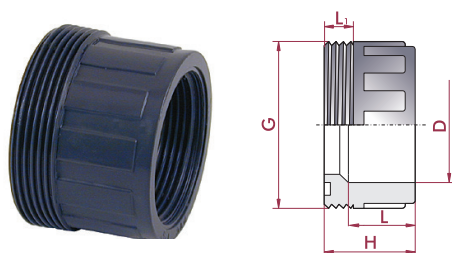
#### UP. 16. SFMT - ADAPTOR NIPPLE

##### Adaptor nipple

- Female solvent socket x BSP male thread
- Metric series

##### Manguito adaptación

- Encolar hembra x roscar macho BSP
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 50 x 2"     | 40 | 10 | 05 16 450 | <b>02100</b> |
| 63 x 2 1/2" | 50 | 10 | 05 16 463 | <b>02101</b> |

| L  | L <sub>1</sub> | H  |
|----|----------------|----|
| 31 | 16             | 52 |
| 38 | 17             | 62 |

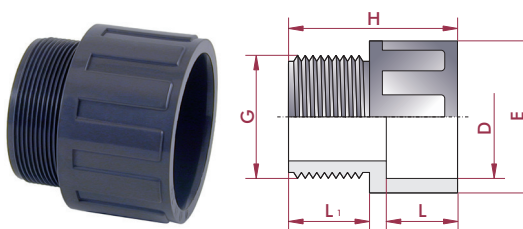
#### UP. 17. SFMT - ADAPTOR BUSH

##### Adaptor bush

- Female solvent socket x BSP male threaded
- Metric series

##### Terminal rosca macho

- Encolar hembra x roscar macho BSP
- Serie métrica



| D x G       | DN  | PN | REF.      | CODE         |
|-------------|-----|----|-----------|--------------|
| 20 x 1/2"   | 15  | 10 | 05 17 420 | <b>02102</b> |
| 25 x 3/4"   | 20  | 10 | 05 17 425 | <b>02103</b> |
| 32 x 1"     | 25  | 10 | 05 17 432 | <b>02104</b> |
| 40 x 1 1/4" | 32  | 10 | 05 17 440 | <b>02105</b> |
| 50 x 1 1/2" | 40  | 10 | 05 17 450 | <b>02106</b> |
| 63 x 2"     | 50  | 10 | 05 17 463 | <b>02107</b> |
| 75 x 2 1/2" | 65  | 10 | 05 17 475 | <b>02108</b> |
| 90 x 3"     | 80  | 10 | 05 17 490 | <b>02109</b> |
| 110 x 4"    | 100 | 10 | 05 17 510 | <b>02110</b> |

| L  | L <sub>1</sub> | E   | H   |
|----|----------------|-----|-----|
| 16 | 14             | 28  | 38  |
| 19 | 16             | 34  | 42  |
| 22 | 19             | 41  | 50  |
| 26 | 21             | 51  | 55  |
| 31 | 22             | 62  | 65  |
| 38 | 27             | 77  | 75  |
| 44 | 30             | 90  | 85  |
| 51 | 33             | 108 | 98  |
| 61 | 40             | 131 | 115 |

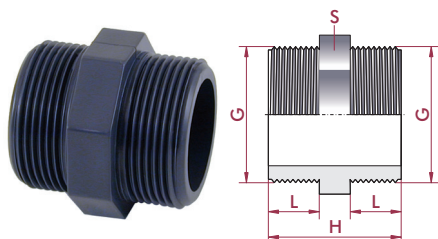
## UP. 18. MT - THREADED NIPPLE

### Hexagon nipple

• BSP male thread

### Machón doble rosca

• Roscar macho BSP



| G      | DN  | PN | REF.      | CODE         |
|--------|-----|----|-----------|--------------|
| 3/8"   | 10  | 10 | 05 18 616 | <b>02111</b> |
| 1/2"   | 15  | 10 | 05 18 620 | <b>02112</b> |
| 3/4"   | 20  | 10 | 05 18 625 | <b>02113</b> |
| 1"     | 25  | 10 | 05 18 632 | <b>02114</b> |
| 1 1/4" | 32  | 10 | 05 18 640 | <b>02115</b> |
| 1 1/2" | 40  | 10 | 05 18 650 | <b>02116</b> |
| 2"     | 50  | 10 | 05 18 663 | <b>02117</b> |
| 2 1/2" | 65  | 10 | 05 18 675 | <b>02118</b> |
| 3"     | 80  | 10 | 05 18 690 | <b>02119</b> |
| 4"     | 100 | 10 | 05 18 710 | <b>02120</b> |

| L  | H  | S   |
|----|----|-----|
| 11 | 32 | 20  |
| 14 | 40 | 27  |
| 16 | 44 | 32  |
| 19 | 51 | 36  |
| 21 | 55 | 46  |
| 21 | 56 | 55  |
| 26 | 66 | 65  |
| 30 | 75 | 90  |
| 33 | 81 | 108 |
| 38 | 91 | 135 |

## UP. 31. SFT - ADAPTOR NIPPLE

### Adaptor nipple

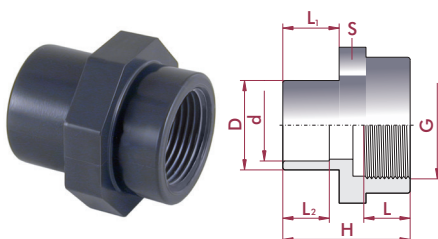
• Female solvent socket & BSP female thread

• Metric series

### Adaptador mixto

• Encolar hembra y rosca hembra BSP

• Serie métrica



| D - d x G        | DN | PN | REF.      | CODE         |
|------------------|----|----|-----------|--------------|
| 20 - 16 x 3/4"   | 16 | 10 | 05 31 420 | <b>02243</b> |
| 20 - 16 x 1/2"   | 16 | 10 | 05 31 421 | <b>02244</b> |
| 20 - 16 x 3/8"   | 12 | 10 | 05 31 422 | <b>02245</b> |
| 20 - 16 x 1/4"   | 12 | 10 | 05 31 423 | <b>02246</b> |
| 25 - 20 x 1"     | 20 | 10 | 05 31 425 | <b>02247</b> |
| 25 - 20 x 3/4"   | 20 | 10 | 05 31 426 | <b>02248</b> |
| 25 - 20 x 1/2"   | 16 | 10 | 05 31 427 | <b>02249</b> |
| 32 - 25 x 1 1/4" | 25 | 10 | 05 31 432 | <b>02250</b> |
| 32 - 25 x 1"     | 25 | 10 | 05 31 433 | <b>02251</b> |
| 32 - 25 x 3/4"   | 20 | 10 | 05 31 434 | <b>02252</b> |
| 32 - 25 x 1/2"   | 16 | 10 | 05 31 435 | <b>24822</b> |
| 40 - 32 x 1 1/2" | 32 | 10 | 05 31 440 | <b>02253</b> |
| 40 - 32 x 1 1/4" | 32 | 10 | 05 31 441 | <b>02254</b> |
| 40 - 32 x 1"     | 25 | 10 | 05 31 442 | <b>02255</b> |
| 50 - 40 x 2"     | 40 | 10 | 05 31 450 | <b>02256</b> |
| 50 - 40 x 1 1/2" | 40 | 10 | 05 31 451 | <b>02257</b> |
| 50 - 40 x 1 1/4" | 32 | 10 | 05 31 452 | <b>02258</b> |
| 63 - 50 x 2 1/2" | 50 | 10 | 05 31 463 | <b>02259</b> |
| 63 - 50 x 2"     | 50 | 10 | 05 31 464 | <b>02260</b> |
| 63 - 50 x 1 1/2" | 40 | 10 | 05 31 465 | <b>02261</b> |
| 75 - 63 x 3"     | 50 | 10 | 05 31 475 | <b>02262</b> |
| 75 - 63 x 2 1/2" | 65 | 10 | 05 31 476 | <b>02263</b> |
| 75 - 63 x 2"     | 50 | 10 | 05 31 477 | <b>02264</b> |
| 90 - 75 x 4"     | 65 | 10 | 05 31 490 | <b>02265</b> |
| 90 - 75 x 3"     | 65 | 10 | 05 31 491 | <b>02266</b> |
| 90 - 75 x 2 1/2" | 65 | 10 | 05 31 492 | <b>02267</b> |
| 110 - 90 x 4"    | 80 | 10 | 05 31 511 | <b>02268</b> |
| 110 - 90 x 3"    | 80 | 10 | 05 31 512 | <b>02269</b> |

| L  | L1 | L2 | H   | S   |
|----|----|----|-----|-----|
| 19 | 16 | 14 | 44  | 32  |
| 18 | 16 | 14 | 43  | 32  |
| 14 | 16 | 14 | 39  | 32  |
| 12 | 16 | 14 | 37  | 32  |
| 22 | 19 | 16 | 50  | 36  |
| 19 | 19 | 16 | 47  | 32  |
| 18 | 19 | 16 | 46  | 32  |
| 25 | 22 | 19 | 56  | 46  |
| 22 | 22 | 19 | 53  | 36  |
| 19 | 22 | 19 | 50  | 36  |
| 18 | 22 | 19 | 49  | 36  |
| 25 | 26 | 22 | 60  | 55  |
| 25 | 26 | 22 | 60  | 46  |
| 22 | 26 | 22 | 57  | 46  |
| 29 | 31 | 26 | 69  | 65  |
| 25 | 31 | 26 | 65  | 55  |
| 25 | 31 | 26 | 65  | 55  |
| 34 | 38 | 31 | 81  | 78  |
| 29 | 38 | 31 | 76  | 65  |
| 25 | 38 | 31 | 72  | 65  |
| 37 | 44 | 38 | 96  | 108 |
| 34 | 44 | 38 | 87  | 78  |
| 29 | 44 | 38 | 82  | 78  |
| 42 | 51 | 44 | 124 | 135 |
| 36 | 51 | 44 | 98  | 108 |
| 33 | 51 | 44 | 92  | 90  |
| 42 | 61 | 51 | 116 | 135 |
| 36 | 61 | 51 | 105 | 110 |

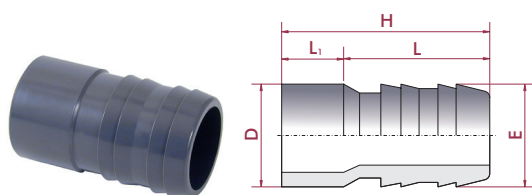
## UP. 24. SF - SPIGOT CONNECTION

### Spigot connection

• Solvent socket

### Espiga conexión a PE lisa

• Encolar



| D x E   | DN | PN | REF.      | CODE         |
|---------|----|----|-----------|--------------|
| 16 x 16 | 10 | 10 | 05 24 016 | <b>02200</b> |
| 20 x 18 | 15 | 10 | 05 24 018 | <b>02201</b> |
| 20 x 20 | 15 | 10 | 05 24 020 | <b>02202</b> |
| 25 x 25 | 20 | 10 | 05 24 025 | <b>02203</b> |
| 32 x 30 | 25 | 10 | 05 24 032 | <b>02204</b> |
| 40 x 40 | 32 | 10 | 05 24 040 | <b>02205</b> |
| 50 x 50 | 40 | 10 | 05 24 050 | <b>02206</b> |
| 50 x 38 | 40 | 10 | 05 24 051 | <b>02207</b> |
| 63 x 60 | 50 | 10 | 05 24 063 | <b>02208</b> |

| H  | L1 | L  | E  |
|----|----|----|----|
| 49 | 14 | 35 | 16 |
| 51 | 16 | 35 | 18 |
| 54 | 16 | 38 | 20 |
| 61 | 19 | 42 | 25 |
| 69 | 22 | 47 | 30 |
| 78 | 26 | 52 | 40 |
| 88 | 31 | 57 | 50 |
| 88 | 31 | 57 | 38 |
| 98 | 38 | 60 | 61 |

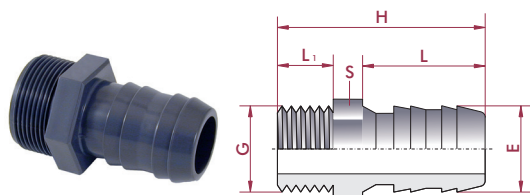
## UP. 24. MT - SPIGOT CONNECTION

### Spigot connection

• BSP male thread

### Espiga conexión PE roscada

• Roscar macho BSP



| G x E       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 3/8" x 16   | 10 | 10 | 05 24 616 | <b>02217</b> |
| 1/2" x 18   | 15 | 10 | 05 24 618 | <b>02218</b> |
| 1/2" x 20   | 15 | 10 | 05 24 620 | <b>02219</b> |
| 3/4" x 25   | 20 | 10 | 05 24 625 | <b>02220</b> |
| 3/4" x 20   | 20 | 10 | 05 24 626 | <b>15763</b> |
| 1" x 30     | 25 | 10 | 05 24 632 | <b>02221</b> |
| 1" x 25     | 25 | 10 | 05 24 633 | <b>09031</b> |
| 1 1/4" x 40 | 32 | 10 | 05 24 640 | <b>02222</b> |
| 1 1/2" x 50 | 40 | 10 | 05 24 650 | <b>02223</b> |
| 1 1/2" x 38 | 40 | 10 | 05 24 651 | <b>02224</b> |
| 1 1/2" x 40 | 40 | 10 | 05 24 652 | <b>09032</b> |
| 2" x 60     | 50 | 10 | 05 24 663 | <b>02225</b> |

| H   | L <sub>1</sub> | S  | L  | E  |
|-----|----------------|----|----|----|
| 54  | 11             | 35 | 18 | 16 |
| 58  | 15             | 35 | 22 | 18 |
| 60  | 15             | 38 | 22 | 20 |
| 67  | 17             | 42 | 27 | 25 |
| 62  | 17             | 36 | 27 | 20 |
| 78  | 21             | 47 | 36 | 30 |
| 78  | 21             | 47 | 36 | 25 |
| 84  | 22             | 52 | 46 | 40 |
| 89  | 22             | 57 | 50 | 50 |
| 89  | 22             | 57 | 50 | 38 |
| 89  | 22             | 57 | 50 | 40 |
| 100 | 26             | 60 | 65 | 61 |

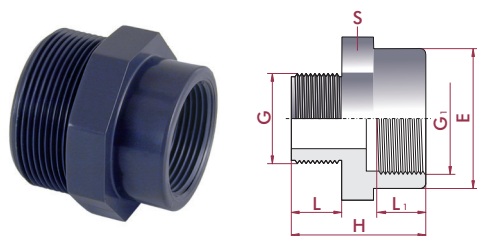
## UP. 32. MFT - THREADED REDUCER

### Threaded reducer

• BSP male x female thread

### Reducción roscada

• Roscar macho x hembra BSP



| G x G <sub>1</sub> | DN | PN | REF.      | CODE         |
|--------------------|----|----|-----------|--------------|
| 3/8" x 1/2"        | 10 | 10 | 05 32 616 | <b>02270</b> |
| 1/2" x 3/4"        | 15 | 10 | 05 32 620 | <b>02271</b> |
| 1/2" x 3/8"        | 10 | 10 | 05 32 621 | <b>02272</b> |
| 3/4" x 1"          | 20 | 10 | 05 32 625 | <b>02273</b> |
| 3/4" x 1/2"        | 15 | 10 | 05 32 626 | <b>02274</b> |
| 3/4" x 3/8"        | 10 | 10 | 05 32 627 | <b>02275</b> |
| 1" x 1 1/4"        | 25 | 10 | 05 32 632 | <b>02276</b> |
| 1" x 3/4"          | 20 | 10 | 05 32 633 | <b>02277</b> |
| 1" x 1/2"          | 15 | 10 | 05 32 634 | <b>02278</b> |
| 1" x 3/8"          | 10 | 10 | 05 32 635 | <b>02279</b> |
| 1 1/4" x 1 1/2"    | 32 | 10 | 05 32 640 | <b>02280</b> |
| 1 1/4" x 1"        | 25 | 10 | 05 32 641 | <b>02281</b> |
| 1 1/4" x 3/4"      | 20 | 10 | 05 32 642 | <b>02282</b> |
| 1 1/4" x 1/2"      | 15 | 10 | 05 32 643 | <b>02283</b> |
| 1 1/2" x 2"        | 40 | 10 | 05 32 650 | <b>02284</b> |
| 1 1/2" x 1 1/4"    | 32 | 10 | 05 32 651 | <b>02285</b> |
| 1 1/2" x 1"        | 25 | 10 | 05 32 652 | <b>02286</b> |
| 1 1/2" x 3/4"      | 20 | 10 | 05 32 653 | <b>02287</b> |
| 2" x 2 1/2"        | 50 | 10 | 05 32 663 | <b>02288</b> |
| 2" x 1 1/2"        | 40 | 10 | 05 32 664 | <b>02289</b> |
| 2" x 1 1/4"        | 32 | 10 | 05 32 665 | <b>02290</b> |
| 2" x 1"            | 25 | 10 | 05 32 666 | <b>02291</b> |
| 2 1/2" x 3"        | 65 | 10 | 05 32 675 | <b>02292</b> |
| 2 1/2" x 2"        | 50 | 10 | 05 32 676 | <b>02293</b> |
| 2 1/2" x 1 1/2"    | 40 | 10 | 05 32 677 | <b>02294</b> |
| 2 1/2" x 1 1/4"    | 32 | 10 | 05 32 678 | <b>02295</b> |
| 3" x 4"            | 80 | 10 | 05 32 690 | <b>02296</b> |
| 3" x 2 1/2"        | 63 | 10 | 05 32 691 | <b>02297</b> |
| 3" x 2"            | 50 | 10 | 05 32 692 | <b>02298</b> |
| 3" x 1 1/2"        | 40 | 10 | 05 32 693 | <b>02299</b> |
| 4" x 3"            | 80 | 10 | 05 32 711 | <b>02300</b> |
| 4" x 2 1/2"        | 65 | 10 | 05 32 712 | <b>23001</b> |
| 4" x 2"            | 50 | 10 | 05 32 713 | <b>23002</b> |

| L  | L <sub>1</sub> | H   | E   | S   |
|----|----------------|-----|-----|-----|
| 11 | 18             | 42  | 28  | 27  |
| 15 | 19             | 49  | 35  | 33  |
| 15 | 14             | 38  | 22  | 22  |
| 16 | 22             | 46  | 41  | 41  |
| 16 | 18             | 43  | 28  | 32  |
| 16 | 14             | 39  | 22  | 33  |
| 19 | 25             | 53  | 50  | 50  |
| 19 | 19             | 48  | 33  | 36  |
| 19 | 18             | 47  | 28  | 36  |
| 19 | 14             | 43  | 22  | 36  |
| 21 | 25             | 54  | 61  | 61  |
| 21 | 25             | 52  | 41  | 46  |
| 21 | 22             | 50  | 33  | 46  |
| 21 | 18             | 49  | 28  | 46  |
| 21 | 29             | 60  | 75  | 75  |
| 21 | 25             | 55  | 50  | 55  |
| 21 | 22             | 53  | 41  | 55  |
| 21 | 19             | 51  | 33  | 55  |
| 25 | 34             | 68  | 90  | 90  |
| 25 | 25             | 59  | 61  | 65  |
| 25 | 25             | 59  | 50  | 65  |
| 25 | 22             | 57  | 41  | 65  |
| 30 | 37             | 99  | 108 | 108 |
| 30 | 29             | 68  | 75  | 80  |
| 30 | 25             | 64  | 61  | 80  |
| 30 | 25             | 64  | 50  | 80  |
| 33 | 43             | 115 | 135 | 135 |
| 33 | 34             | 75  | 90  | 93  |
| 33 | 29             | 70  | 75  | 93  |
| 33 | 25             | 66  | 61  | 93  |
| 39 | 37             | 91  | 108 | 115 |
| 39 | 34             | 93  | 90  | 115 |
| 39 | 29             | 100 | 75  | 115 |

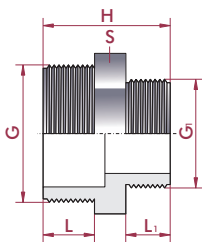
## UP. 33. MT - THREADED REDUCER

### Threaded reducer

• BSP male x male thread

### Reducción roscada

• Roscar macho x macho BSP



| G x G <sub>1</sub> | DN | PN | REF.      | CODE         |
|--------------------|----|----|-----------|--------------|
| 1/2" x 3/8"        | 10 | 10 | 05 33 620 | <b>02303</b> |
| 3/4" x 1/2"        | 15 | 10 | 05 33 625 | <b>02304</b> |
| 3/4" x 3/8"        | 10 | 10 | 05 33 626 | <b>02305</b> |
| 1" x 3/4"          | 20 | 10 | 05 33 632 | <b>02306</b> |
| 1" x 1/2"          | 15 | 10 | 05 33 633 | <b>02307</b> |
| 1" x 3/8"          | 10 | 10 | 05 33 634 | <b>02308</b> |
| 1 1/4" x 1"        | 25 | 10 | 05 33 640 | <b>02309</b> |
| 1 1/4" x 3/4"      | 20 | 10 | 05 33 641 | <b>02310</b> |
| 1 1/4" x 1/2"      | 15 | 10 | 05 33 642 | <b>02311</b> |
| 1 1/2" x 1 1/4"    | 32 | 10 | 05 33 650 | <b>02312</b> |
| 1 1/2" x 1"        | 25 | 10 | 05 33 651 | <b>02313</b> |
| 1 1/2" x 3/4"      | 20 | 10 | 05 33 652 | <b>02314</b> |
| 2" x 1 1/2"        | 40 | 10 | 05 33 663 | <b>02315</b> |
| 2" x 1 1/4"        | 32 | 10 | 05 33 664 | <b>02316</b> |
| 2" x 1"            | 25 | 10 | 05 33 665 | <b>02317</b> |
| 2 1/2" x 2"        | 50 | 10 | 05 33 675 | <b>02318</b> |
| 2 1/2" x 1 1/2"    | 40 | 10 | 05 33 676 | <b>02319</b> |
| 2 1/2" x 1 1/4"    | 32 | 10 | 05 33 677 | <b>02320</b> |
| 3" x 2 1/2"        | 65 | 10 | 05 33 690 | <b>02321</b> |
| 3" x 2"            | 50 | 10 | 05 33 691 | <b>02322</b> |
| 3" x 1 1/2"        | 40 | 10 | 05 33 692 | <b>02323</b> |
| 4" x 3"            | 80 | 10 | 05 33 710 | <b>02324</b> |
| 4" x 2 1/2"        | 65 | 10 | 05 33 711 | <b>02325</b> |
| 4" x 2"            | 50 | 10 | 05 33 712 | <b>02326</b> |

| L  | L <sub>1</sub> | H  | S   |
|----|----------------|----|-----|
| 15 | 11             | 36 | 24  |
| 16 | 15             | 43 | 32  |
| 16 | 11             | 39 | 32  |
| 19 | 16             | 48 | 40  |
| 19 | 15             | 47 | 40  |
| 19 | 11             | 43 | 40  |
| 21 | 19             | 53 | 50  |
| 21 | 16             | 50 | 50  |
| 21 | 15             | 49 | 50  |
| 21 | 21             | 56 | 55  |
| 21 | 19             | 54 | 55  |
| 21 | 16             | 51 | 55  |
| 25 | 21             | 61 | 65  |
| 25 | 21             | 61 | 65  |
| 25 | 19             | 58 | 65  |
| 30 | 25             | 70 | 80  |
| 30 | 21             | 66 | 80  |
| 30 | 21             | 66 | 80  |
| 33 | 30             | 78 | 93  |
| 33 | 25             | 73 | 93  |
| 33 | 21             | 69 | 93  |
| 38 | 33             | 86 | 115 |
| 38 | 30             | 83 | 115 |
| 38 | 25             | 78 | 115 |

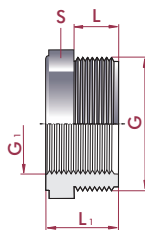
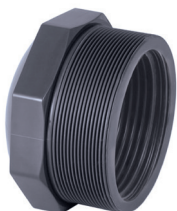
## UP. 34. MFT - SHORT THREADED REDUCER

### Short threaded reducer

• BSP male x female thread

### Reducción roscada corta

• Roscar macho x hembra BSP



| G x G <sub>1</sub> | DN | PN | REF.      | CODE         |
|--------------------|----|----|-----------|--------------|
| 1/2" x 1/4"        | 7  | 10 | 05 34 621 | <b>23087</b> |
| 3/4" x 1/2"        | 15 | 10 | 05 34 625 | <b>20147</b> |
| 3/4" x 1/4"        | 7  | 10 | 05 34 627 | <b>23088</b> |
| 3/4" x 1/8"        | 3  | 10 | 05 34 628 | <b>28081</b> |
| 1" x 3/4"          | 20 | 10 | 05 34 632 | <b>20148</b> |
| 1" x 1/4"          | 7  | 10 | 05 34 635 | <b>23089</b> |
| 1 1/4" x 1"        | 25 | 10 | 05 34 640 | <b>20149</b> |
| 1 1/2" x 1 1/4"    | 32 | 10 | 05 34 650 | <b>20150</b> |
| 2" x 1 1/2"        | 40 | 10 | 05 34 663 | <b>20151</b> |
| 2 1/2" x 2"        | 50 | 10 | 05 34 675 | <b>20152</b> |
| 3" x 2 1/2"        | 63 | 10 | 05 34 690 | <b>20153</b> |
| 4" x 3"            | 75 | 10 | 05 34 710 | <b>20154</b> |

| L  | L <sub>1</sub> | S   |
|----|----------------|-----|
| 14 | 12             | 27  |
| 16 | 30             | 32  |
| 16 | 12             | 32  |
| 16 | 34             | 32  |
| 19 | 34             | 36  |
| 12 | 19             | 36  |
| 21 | 36             | 46  |
| 21 | 36             | 55  |
| 26 | 42             | 65  |
| 30 | 47             | 80  |
| 33 | 51             | 93  |
| 39 | 64             | 120 |



## PVC-U RUBBER-RING JOINT FITTINGS

### ACCESORIOS EN PVC-U CON JUNTA ELÁSTICA

#### FEATURES

Easy installation fittings, without effort or tools, thanks to its gaskets.

It is compulsory the use of an inner gasket to install it.

Designed to support earth movements or misalignments, ideally suited for underground installations.

It can absorb vibrations or pipe expansions due to its elasticity and flexibility.

To make the installation easier, it is very important to lubricate the gasket correctly.

- Material: PVC-U.
- Density: 1,4 g/cm<sup>3</sup>.
- Color: grey RAL 7011.
- Dimensions: from D63 to D315.
- Standards: dimensions and characteristics according to EN 1452.

#### CARACTERÍSTICAS

Accesorios fáciles de instalar, sin esfuerzo y sin herramientas gracias a las juntas.

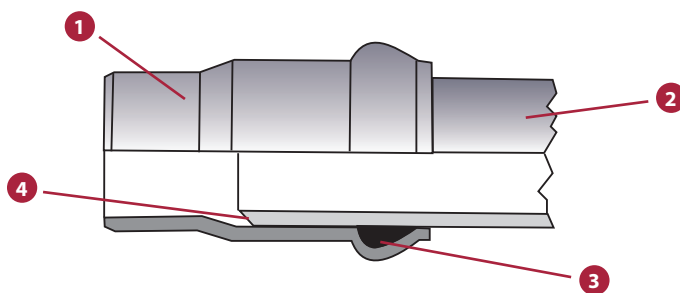
Para su correcta instalación es necesaria la junta interior.

Está realizado para poder soportar movimientos de tierra y desalineaciones, ideal para instalaciones enterradas.

Gracias a su elasticidad y flexibilidad, absorbe mejor las vibraciones y la expansión del tubo.

Es muy importante una buena lubricación de la junta para instalar el tubo cómodamente.

- Material: PVC-U.
- Densidad: 1,4 g/cm<sup>3</sup>.
- Color: gris RAL 7011.
- Dimensiones: de D63 hasta D315.
- Normas: dimensiones y características según la norma EN 1452.



| FIG. | Parts                                  | Despiece                             | Material |
|------|----------------------------------------|--------------------------------------|----------|
| 1    | Union socket                           | Manguito unión                       | PVC-U    |
| 2    | Pipe                                   | Tubería                              | -        |
| 3    | Gasket                                 | Junta                                | NBR      |
| 4    | Chamfer to make an easier installation | Chaflán para una inserción más fácil | -        |

## TECHNICAL CHARACTERISTICS

Working pressure at 20°C (73°F) water temperature:

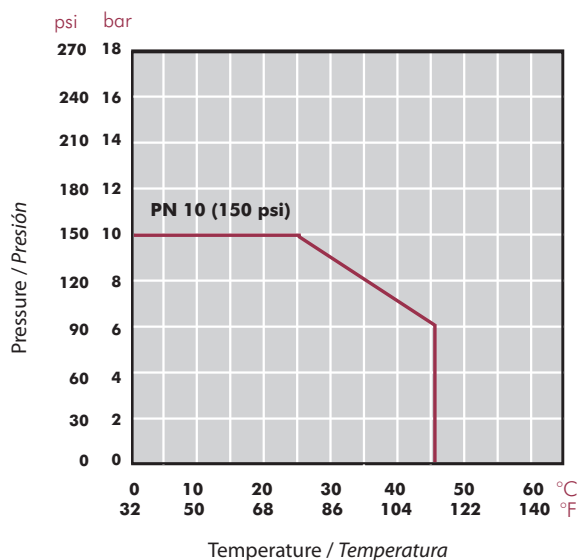
- D63 - D315: PN 10 (150 psi)

## CARACTERÍSTICAS TÉCNICAS

Presión de servicio a 20°C (73°F) temperatura de agua:

- D63 - D315: PN 10 (150 psi)

## PRESSURE / TEMPERATURE GRAPH DIAGRAMA PRESIÓN / TEMPERATURA



Life: 20 years  
Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

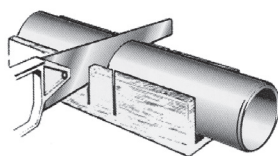
Vida útil: 20 años  
Presión hidrostática máxima que un componente es capaz de soportar en servicio continuo (sin sobrepresión)

## ASSEMBLY

**A.** Before assembling rubber ring fittings proceed as follows. In case of pipe end damaged: cut the pipe with a proper tool to obtain a square end.

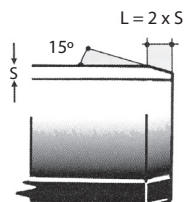
## MONTAJE

**A.** Antes de instalar los accesorios de junta elástica, proceda de la siguiente manera. En caso que el extremo del tubo está dañado: corte el tubo con una herramienta especial para obtener un corte recto perpendicular al eje.



**B.** Chamfer the pipe with a special tool as shown in the following picture and table.

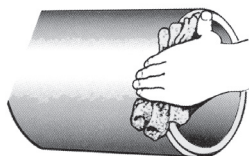
**B.** Chafane el tubo con una herramienta especial según lo mostrado en la imagen y el cuadro siguiente.



| D (mm) | 63  | 75  | 90  | 110  | 125  | 140  | 160  | 200  |
|--------|-----|-----|-----|------|------|------|------|------|
| L (mm) | 6,0 | 7,0 | 9,0 | 10,5 | 12,0 | 13,5 | 15,5 | 19,0 |

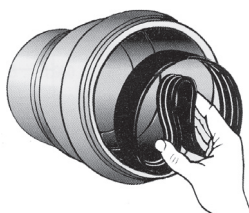
**C.** Clean carefully the external surface of the pipe and lubricate only with soapy water (do not use oil or grease).

**C.** Limpie cuidadosamente la superficie externa del tubo. Lubrique solamente con agua jabonosa (no utilice aceite o grasa).



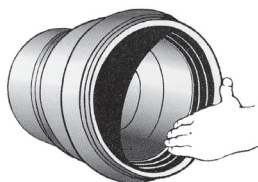
**D.** Clean carefully the socket seat in the fitting. Check gasket conditions. Introduce the sealing ring into its specific seat.

**D.** Limpie cuidadosamente el asiento de la junta del accesorio. Compruebe las condiciones de la junta. Introduzca la junta en su asiento específico.



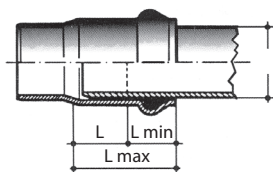
**E.** Lubricate the internal surface of the rubber ring in the same way as the pipe.

**E.** Lubrique la superficie interna de la junta con un lubricante adecuado de la misma manera que el tubo.



**F.** Mark on the outside of the pipe the depth to be inserted into the socket of the fitting according to the lengths in the following table.

**F.** Marque en el exterior del tubo la profundidad a ser insertada en el accesorio según los longitudes del cuadro.



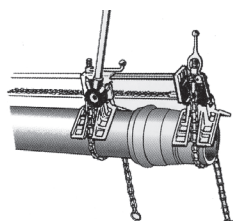
| D (mm) | 63 | 75  | 90  | 110 | 125 | 140 | 160 | 200 |
|--------|----|-----|-----|-----|-----|-----|-----|-----|
| L max  | 94 | 104 | 109 | 115 | 124 | 133 | 139 | 169 |
| L min  | 42 | 45  | 50  | 55  | 60  | 69  | 75  | 85  |
| L      | 52 | 59  | 59  | 60  | 64  | 64  | 64  | 64  |

**G.** To introduce the tube into the fitting we recommend to use the appliance device shown in picture.

- Fix the special assembling device onto the pipe.
- Fix the fitting upon the device.
- With the lever, slide the fitting onto the pipe till you reach the reference mark.

**G.** Para introducir el tubo en el accesorio se aconseja utilizar un equipo como el mostrado en la imagen.

- Fije un dispositivo de ensamblaje especial sobre el tubo.
- Fije el accesorio sobre el dispositivo.
- Con la palanca, deslice el accesorio sobre el tubo hasta que se alcance la marca de referencia.



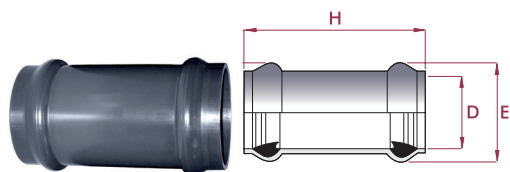
## UP. 05. RJ - UNION SOCKET

### Union socket

- Rubber ring joint
- Metric series

### Manguito unión

- Con junta elástica
- Serie métrica



| D   | DN  | PN | REF.        | CODE         |
|-----|-----|----|-------------|--------------|
| 63  | 50  | 10 | 70 05 063 * | <b>22917</b> |
| 75  | 65  | 10 | 70 05 075 * | <b>22918</b> |
| 90  | 80  | 10 | 70 05 090 * | <b>22919</b> |
| 110 | 100 | 10 | 70 05 110 * | <b>22920</b> |
| 125 | 110 | 10 | 70 05 125 * | <b>22921</b> |
| 140 | 125 | 10 | 70 05 140 * | <b>22922</b> |
| 160 | 150 | 10 | 70 05 160 * | <b>22923</b> |
| 200 | 175 | 10 | 70 05 200 * | <b>22924</b> |
| 225 | 200 | 10 | 70 05 225 * | <b>22925</b> |
| 250 | 225 | 10 | 70 05 250 * | <b>22926</b> |
| 315 | 300 | 10 | 70 05 315 * | <b>22927</b> |

| E   | H   |
|-----|-----|
| 86  | 380 |
| 102 | 380 |
| 120 | 380 |
| 144 | 380 |
| 161 | 380 |
| 178 | 380 |
| 202 | 380 |
| 248 | 400 |
| 277 | 500 |
| 304 | 500 |
| 382 | 500 |

\* Distributed product

\* Producto comercializado

## GROOVED COUPLING

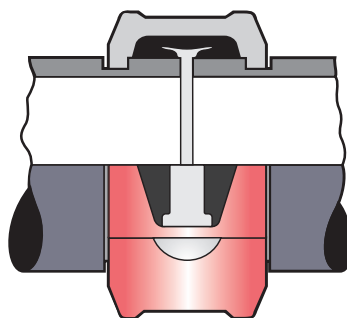
### ENLACE BRIDA RANURADA

Designed with a heavy housing for high pressure service. The housing key is wider than standard and the coupling housing is designed to clamp the bottom of the groove, thus providing an essentially rigid joint. It also eliminates movement at the joint.

Reduces linear or angular movement and is useful for valve connections and other points where rigidity is required.

Diseñado con una resistente cubierta para soportar altas presiones. La llave es más ancha que las estándares y el enlace está diseñado para agarrar el fondo de la ranura, proporcionando una unión rígida. También está pensado para eliminar los movimientos en la unión.

Reduce el movimiento lineal o angular y se puede usar para conexiones con válvulas o en otros sitios donde se requiera rigidez.



- Fast assembly.
- Allows misalignments up to 1°30'.
- EPDM joint.
- Coupling made of coated ductile iron.
- Bolts made of zinc plated carbon steel.

- Montaje rápido.
- Permite desalineaciones de hasta 1°30'.
- Junta en EPDM.
- Brida en hierro fundido pintado.
- Tornillos en acero zincado.

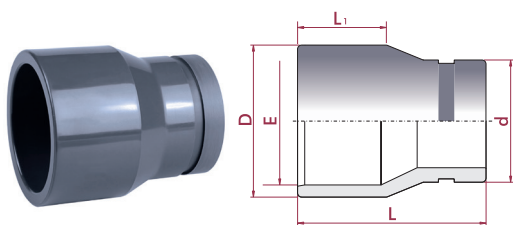
## UP. 58. SFVT - VICTAULIC SOCKET

### Grooved flexible socket

- Female solvent socket
- Metric series

### Enlace brida ranurada

- Encolar hembra
- Serie métrica



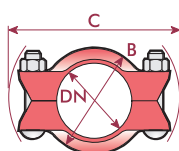
| D - E x d      | DN | PN | REF.      | CODE         |
|----------------|----|----|-----------|--------------|
| 75 - 63 x 2"   | 2" | 16 | 05 58 463 | <b>20162</b> |
| 110 - 90 x 3"  | 3" | 16 | 05 58 490 | <b>20163</b> |
| 125 - 110 x 4" | 4" | 16 | 05 58 510 | <b>20164</b> |
| 180 - 160 x 6" | 6" | 10 | 05 58 560 | <b>21444</b> |

| L   | L <sub>1</sub> |
|-----|----------------|
| 93  | 44             |
| 132 | 63             |
| 151 | 71             |
| 183 | 90             |

## UP. 58. VT - VICTAULIC COUPLING

### Grooved flexible coupling

### Brida ranurada



| DN | REF.       | CODE         |
|----|------------|--------------|
| 2" | 05 58 063* | <b>20165</b> |
| 3" | 05 58 090* | <b>20166</b> |
| 4" | 05 58 110* | <b>20167</b> |
| 6" | 05 58 160* | <b>21445</b> |

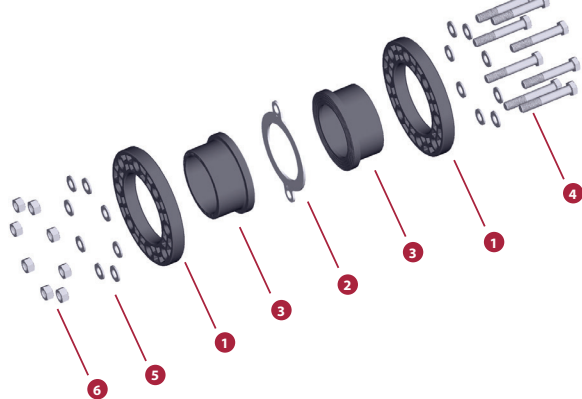
| A  | B   | C   |
|----|-----|-----|
| 51 | 89  | 168 |
| 51 | 121 | 197 |
| 54 | 152 | 245 |
| 64 | 219 | 321 |

\* Distributed product  
\* Producto comercializado

## PVC-U LOOSE FLANGES BRIDAS LOCAS PVC-U

- EN 1452 / ISO 15493 / ISO EN 558 / BS EN 1092-1 Flange System.
- We recommend to follow flange installation instructions carefully to avoid any unnecessary tensions.

- Sistema de bridas EN 1452 / ISO 15493 / ISO EN 558 / BS EN 1092-1.
- Recomendamos seguir exactamente las normas de montaje de bridas con objeto de evitar tensiones innecesarias.



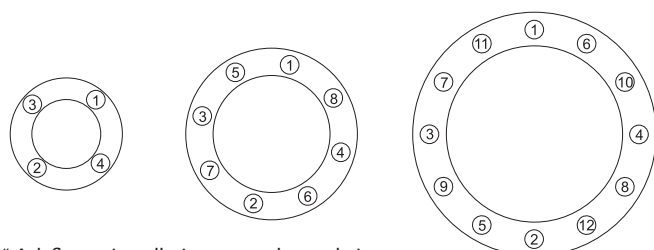
| FIG. | Parts             | Despiece                | Material                                     |
|------|-------------------|-------------------------|----------------------------------------------|
| 1    | Flange            | Brida                   | PVC-U / PP                                   |
| 2    | Flat gasket       | Junta plana             | EVA / EPDM                                   |
| 3    | Flange adaptor ** | Manguito portabridas ** | PVC-U                                        |
| 4    | Screw DIN 931     | Tornillo DIN 931        | 5.6 Zinc plated steel / A2 Stainless steel * |
| 5    | Washer DIN 125-A  | Arandela DIN 125-A      |                                              |
| 6    | Nut DIN 934       | Tuerca DIN 934          |                                              |

\* On order A4 Stainless steel  
Bajo pedido acero inoxidable A4

\*\* Flange adaptor available in BS and ASTM solvent socket standards  
Manguito portabridas disponible en standards BS y ASTM

| D   | 2   |      | 1     |    | 3     |
|-----|-----|------|-------|----|-------|
|     | EVA | EPDM | PVC-U | PP | PVC-U |
| 20  | ✓   | ✓    | ✓     |    | ✓     |
| 25  | ✓   | ✓    | ✓     |    | ✓     |
| 32  | ✓   | ✓    | ✓     |    | ✓     |
| 40  | ✓   | ✓    | ✓     |    | ✓     |
| 50  | ✓   | ✓    | ✓     | ✓  | ✓     |
| 63  | ✓   | ✓    | ✓     | ✓  | ✓     |
| 75  | ✓   | ✓    | ✓     | ✓  | ✓     |
| 90  | ✓   | ✓    | ✓     | ✓  | ✓     |
| 110 | ✓   | ✓    | ✓     | ✓  | ✓     |
| 125 | ✓   | ✓    | ✓     | ✓  | ✓     |
| 140 | ✓   | ✓    | ✓     | ✓  | ✓     |
| 160 | ✓   | ✓    | ✓     | ✓  | ✓     |
| 200 | ✓   | ✓    | ✓     | ✓  | ✓     |
| 225 | ✓   | ✓    | ✓     | ✓  | ✓     |
| 250 | ✓   | ✓    | ✓     |    | ✓     |
| 315 | ✓   | ✓    | ✓     |    | ✓     |
| 400 |     | ✓    | ✓     |    | ✓     |
| 500 |     | ✓    | ✓     |    | ✓     |

## TIGHTENING SEQUENCE ORDEN DE APRIETE



\* Ask flange installation manual or website  
Consultar manual instalación bridas o website

## TIGHTENING MAXIMUM TORQUE MÁXIMO PAR DE APRIETE

| D       | DN  | inch | N · m | Kgf · cm | inch · lbs |
|---------|-----|------|-------|----------|------------|
| 63-75   | 65  | 2 ½" | 25    | 255      | 221        |
| 90      | 80  | 3"   | 25    | 255      | 221        |
| 110     | 100 | 4"   | 30    | 306      | 265        |
| 125-140 | 125 | 5"   | 35    | 257      | 310        |
| 160     | 150 | 6"   | 40    | 408      | 354        |
| 200-225 | 200 | 8"   | 50    | 510      | 442        |
| 250-280 | 250 | 10"  | 80    | 816      | 708        |
| 315     | 300 | 12"  | 80    | 816      | 708        |

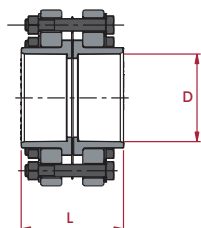
## UP. 52. RA - FLANGE KIT

### Flange set (kit)

- Loose flange
- Female solvent socket
- Metric series

### Enlace con bridas (kit)

- Brida loca
- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF. (EVA)   | CODE (EVA) | REF. (EPDM)       | CODE (EPDM) | L   |
|-----|-----|----|--------------|------------|-------------------|-------------|-----|
| 20  | 15  | 16 | 05 52 020 RA | 66996      | 05 52 020 RA EPDM | 67071       |     |
| 25  | 20  | 16 | 05 52 025 RA | 66997      | 05 52 025 RA EPDM | 67072       |     |
| 32  | 25  | 16 | 05 52 032 RA | 66998      | 05 52 032 RA EPDM | 67073       |     |
| 40  | 32  | 16 | 05 52 040 RA | 66999      | 05 52 040 RA EPDM | 67074       |     |
| 50  | 40  | 16 | 05 52 050 RA | 67000      | 05 52 050 RA EPDM | 67075       | 74  |
| 63  | 50  | 16 | 05 52 063 RA | 67037      | 05 52 063 RA EPDM | 67076       | 87  |
| 75  | 65  | 16 | 05 52 075 RA | 67059      | 05 52 075 RA EPDM | 67077       | 100 |
| 90  | 80  | 16 | 05 52 090 RA | 67064      | 05 52 090 RA EPDM | 67078       | 115 |
| 110 | 100 | 16 | 05 52 110 RA | 67065      | 05 52 110 RA EPDM | 67079       | 136 |
| 125 |     | 16 | 05 52 125 RA | 67070      | 05 52 125 RA EPDM | 67080       | 152 |
| 140 | 125 | 16 | 05 52 140 RA | 67066      | 05 52 140 RA EPDM | 67081       | 170 |
| 160 | 150 | 10 | 05 52 160 RA | 67067      | 05 52 160 RA EPDM | 67082       | 186 |
| 200 |     | 10 | 05 52 200 RA | 67068      | 05 52 200 RA EPDM | 67083       | 227 |
| 225 | 200 | 10 | 05 52 225 RA | 67069      | 05 52 225 RA EPDM | 67084       | 255 |
| 250 |     | 10 | 05 52 250 RA | 66955      | 05 52 250 RA EPDM | 66973       |     |
| 315 | 300 | 10 | 05 52 315 RA | 66956      | 05 52 315 RA EPDM | 66974       |     |
| 400 | 400 | 6  | -            | -          | 05 52 400 RA EPDM | 66957       |     |
| 500 | 500 | 4  | -            | -          | 05 52 500 RA EPDM | 66958       |     |

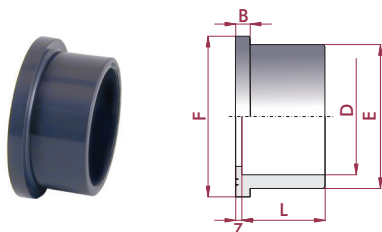
## UP. 10. SF - FLANGE ADAPTOR

### PVC-U flange adaptor (sub flange)

- Female solvent socket
- Metric series

### Manguito portabridas PVC-U

- Encolar hembra
- Serie métrica



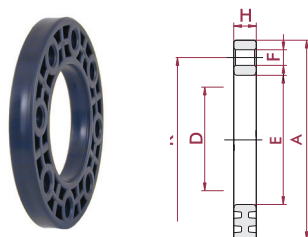
| D   | DN  | PN | REF.                     | CODE         |
|-----|-----|----|--------------------------|--------------|
| 20  | 15  | 16 | 05 10 020 <sup>3</sup>   | <b>07692</b> |
| 25  | 20  | 16 | 05 10 025 <sup>3</sup>   | <b>07693</b> |
| 32  | 25  | 16 | 05 10 032 <sup>3</sup>   | <b>07694</b> |
| 40  | 32  | 16 | 05 10 040 <sup>3</sup>   | <b>07695</b> |
| 50  | 40  | 16 | 05 10 050 <sup>3</sup>   | <b>02020</b> |
| 63  | 50  | 16 | 05 10 063 <sup>3</sup>   | <b>02021</b> |
| 75  | 65  | 16 | 05 10 075 <sup>3,4</sup> | <b>02022</b> |
| 90  | 80  | 16 | 05 10 090 <sup>3</sup>   | <b>02023</b> |
| 110 | 100 | 16 | 05 10 110 <sup>3</sup>   | <b>02024</b> |
| 125 | 110 | 16 | 05 10 125 <sup>3</sup>   | <b>02025</b> |
| 140 | 125 | 16 | 05 10 140 <sup>3</sup>   | <b>02026</b> |
| 160 | 150 | 10 | 05 10 160 <sup>3</sup>   | <b>02027</b> |
| 200 | 175 | 10 | 05 10 200                | <b>02028</b> |
| 225 | 200 | 10 | 05 10 225                | <b>02029</b> |
| 250 | 225 | 10 | 05 10 250                | <b>02030</b> |
| 315 | 300 | 10 | 05 10 315                | <b>02031</b> |
| 400 | 375 | 6  | 05 10 400 <sup>*</sup>   | <b>05341</b> |
| 500 | 480 | 4  | 05 10 402 <sup>*</sup>   | <b>05342</b> |

| L   | Z  | B  | E   | F   |
|-----|----|----|-----|-----|
| 16  | 3  | 6  | 27  | 34  |
| 19  | 3  | 7  | 33  | 41  |
| 22  | 3  | 7  | 41  | 50  |
| 26  | 3  | 8  | 50  | 61  |
| 31  | 3  | 8  | 61  | 73  |
| 38  | 3  | 9  | 76  | 90  |
| 44  | 3  | 10 | 90  | 106 |
| 51  | 5  | 11 | 108 | 125 |
| 61  | 5  | 12 | 131 | 150 |
| 69  | 5  | 13 | 148 | 168 |
| 76  | 5  | 14 | 165 | 188 |
| 86  | 5  | 16 | 188 | 213 |
| 106 | 6  | 20 | 225 | 247 |
| 119 | 6  | 25 | 248 | 274 |
| 131 | 8  | 27 | 282 | 328 |
| 164 | 8  | 30 | 342 | 378 |
| 206 | 12 | 30 | 432 | 483 |
| 153 | 8  | 24 | 532 | 574 |

## UP. 11. FLG - FLANGE

### PVC-U loose flange

### Brida loca PVC-U



<sup>4</sup> Hole distance corresponding to DN125 flange

<sup>5</sup> Hole distance corresponding to DN200 flange

<sup>4</sup> Brida con distancia entre agujeros correspondiente a la brida DN125

<sup>5</sup> Brida con distancia entre agujeros correspondiente a la brida DN200

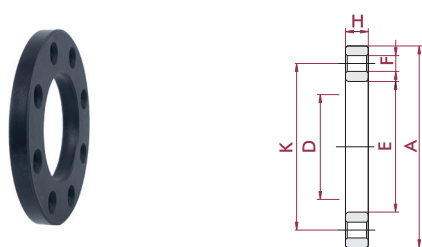
| D                | DN  | PN | REF.                   | CODE         |
|------------------|-----|----|------------------------|--------------|
| 20               | 15  | 16 | 05 11 020              | <b>07696</b> |
| 25               | 20  | 16 | 05 11 025              | <b>07697</b> |
| 32               | 25  | 16 | 05 11 032              | <b>07698</b> |
| 40               | 32  | 16 | 05 11 040              | <b>07699</b> |
| 50               | 40  | 16 | 05 11 050              | <b>02032</b> |
| 63               | 50  | 16 | 05 11 063              | <b>02033</b> |
| 75               | 65  | 16 | 05 11 075              | <b>02034</b> |
| 90               | 80  | 16 | 05 11 090              | <b>02035</b> |
| 110              | 100 | 16 | 05 11 110              | <b>02036</b> |
| 125              | 110 | 16 | 05 11 125              | <b>02037</b> |
| 140              | 125 | 16 | 05 11 140              | <b>02038</b> |
| 125 <sup>4</sup> |     | 16 | 05 11 141 <sup>3</sup> | <b>02039</b> |
| 160              | 150 | 10 | 05 11 160              | <b>02040</b> |
| 200              |     | 10 | 05 11 200              | <b>02041</b> |
| 225              | 200 | 10 | 05 11 225              | <b>02042</b> |
| 200 <sup>5</sup> |     | 10 | 05 11 226 <sup>3</sup> | <b>09039</b> |
| 250              |     | 10 | 05 11 250              | <b>02043</b> |
| 315              | 300 | 10 | 05 11 315              | <b>02044</b> |
| 400              | 400 | 6  | 05 11 400 <sup>*</sup> | <b>05343</b> |
| 500              | 500 | 4  | 05 11 402 <sup>*</sup> | <b>05344</b> |

| E   | A   | H  | K   | F       |
|-----|-----|----|-----|---------|
| 28  | 95  | 12 | 65  | 14 x 4  |
| 34  | 105 | 13 | 75  | 14 x 4  |
| 42  | 115 | 15 | 85  | 14 x 4  |
| 51  | 140 | 16 | 100 | 18 x 4  |
| 62  | 150 | 17 | 110 | 18 x 4  |
| 78  | 165 | 18 | 125 | 18 x 4  |
| 92  | 185 | 22 | 145 | 18 x 4  |
| 110 | 200 | 23 | 160 | 18 x 8  |
| 133 | 220 | 24 | 180 | 18 x 8  |
| 150 | 230 | 26 | 190 | 18 x 8  |
| 167 | 250 | 28 | 210 | 18 x 8  |
| 150 | 250 | 28 | 210 | 18 x 8  |
| 190 | 285 | 31 | 240 | 22 x 8  |
| 226 | 315 | 32 | 270 | 22 x 8  |
| 250 | 340 | 32 | 295 | 22 x 8  |
| 226 | 340 | 32 | 295 | 22 x 8  |
| 284 | 400 | 34 | 350 | 22 x 12 |
| 348 | 445 | 36 | 400 | 22 x 12 |
| 442 | 565 | 34 | 515 | 26 x 16 |
| 533 | 657 | 30 | 600 | 26 x 20 |

## PP. 12. FLG - PP FLANGE

### PP flange (backing ring)

### Brida PP



<sup>4</sup> Hole distance corresponding to DN125 flange

<sup>5</sup> Hole distance corresponding to DN200 flange

<sup>4</sup> Brida con distancia entre agujeros correspondiente a la brida DN125

<sup>5</sup> Brida con distancia entre agujeros correspondiente a la brida DN200

| D                | DN  | PN | REF.                   | CODE         |
|------------------|-----|----|------------------------|--------------|
| 50               | 40  | 16 | 05 12 050              | <b>02045</b> |
| 63               | 50  | 16 | 05 12 063              | <b>02046</b> |
| 75               | 65  | 16 | 05 12 075              | <b>02047</b> |
| 90               | 80  | 16 | 05 12 090              | <b>02048</b> |
| 110              | 100 | 16 | 05 12 110              | <b>02049</b> |
| 125              |     | 16 | 05 12 125              | <b>02050</b> |
| 140              | 125 | 16 | 05 12 140              | <b>02051</b> |
| 125 <sup>4</sup> |     | 16 | 05 12 141 <sup>3</sup> | <b>02052</b> |
| 160              | 150 | 10 | 05 12 160              | <b>02053</b> |
| 200              |     | 10 | 05 12 200              | <b>02054</b> |
| 225              | 200 | 10 | 05 12 225              | <b>02055</b> |
| 200 <sup>5</sup> |     | 10 | 05 12 226 <sup>3</sup> | <b>02056</b> |

| E   | H  | A   | K   | F      |
|-----|----|-----|-----|--------|
| 62  | 18 | 150 | 110 | 18 x 4 |
| 78  | 19 | 165 | 125 | 18 x 4 |
| 92  | 20 | 185 | 145 | 18 x 4 |
| 110 | 22 | 200 | 160 | 18 x 8 |
| 133 | 24 | 220 | 180 | 18 x 8 |
| 149 | 26 | 230 | 190 | 18 x 8 |
| 167 | 28 | 250 | 210 | 18 x 8 |
| 149 | 28 | 250 | 210 | 18 x 8 |
| 190 | 30 | 285 | 240 | 22 x 8 |
| 227 | 32 | 315 | 270 | 22 x 8 |
| 250 | 34 | 340 | 295 | 22 x 8 |
| 227 | 34 | 340 | 295 | 22 x 8 |

At the time to make the relationship between adaptor and flange, for the compatibility it prevails the D size of the corresponding pipe.  
Siempre que se deba relacionar manguito y brida, prevalece en su compatibilidad la medida D del tubo correspondiente.

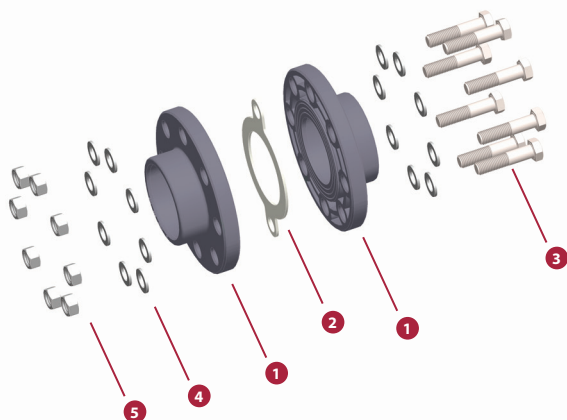
\* Distributed product  
\* Producto comercializado

<sup>1</sup> AFNOR  
<sup>2</sup> KIWA  
<sup>3</sup> AENOR  
<sup>4</sup> Kitemark

## PVC-U FIX FLANGES BRIDAS FIJAS PVC-U

- EN 1452 / ISO 15493 Flange System.
- We recommend to follow flange installation instructions carefully to avoid any unnecessary tensions.

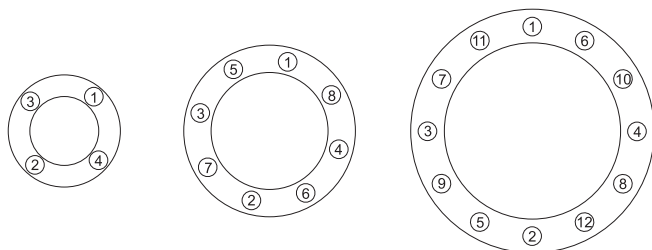
- Sistema de bridas EN 1452 / ISO 15493.
- Recomendamos seguir exactamente las normas de montaje de bridas con objeto de evitar tensiones innecesarias.



| FIG. | Parts            | Despiece           | Material                                     |
|------|------------------|--------------------|----------------------------------------------|
| 1    | Flange           | Brida              | PVC-U / PP                                   |
| 2    | Flat gasket      | Junta plana        | EVA / EPDM                                   |
| 3    | Screw DIN 931    | Tornillo DIN 931   | 5,6 Zinc plated steel / A2 Stainless steel * |
| 4    | Washer DIN 125-A | Arandela DIN 125-A |                                              |
| 5    | Nut DIN 934      | Tuerca DIN 934     |                                              |

\* On order A4 Stainless steel  
Bajo pedido acero inoxidable A4

### TIGHTENING SEQUENCE ORDEN DE APRIETE



\* Ask flange installation manual or website  
Consultar manual instalación bridas o website

| D   | 2   |      | 1     |
|-----|-----|------|-------|
|     | EVA | EPDM | PVC-U |
| 20  | ✓   | ✓    | ✓     |
| 25  | ✓   | ✓    | ✓     |
| 32  | ✓   | ✓    | ✓     |
| 40  | ✓   | ✓    | ✓     |
| 50  | ✓   | ✓    | ✓     |
| 63  | ✓   | ✓    | ✓     |
| 75  | ✓   | ✓    | ✓     |
| 90  | ✓   | ✓    | ✓     |
| 110 | ✓   | ✓    | ✓     |
| 125 | ✓   | ✓    | ✓     |
| 140 | ✓   | ✓    | ✓     |
| 160 | ✓   | ✓    | ✓     |
| 200 | ✓   | ✓    | ✓     |
| 225 | ✓   | ✓    | ✓     |

### TIGHTENING MAXIMUM TORQUE MÁXIMO PAR DE APRIETE

| D       | DN  | inch | N · m | Kgf · cm | inch · lbs |
|---------|-----|------|-------|----------|------------|
| 63-75   | 65  | 2 ½" | 25    | 255      | 221        |
| 90      | 80  | 3"   | 25    | 255      | 221        |
| 110     | 100 | 4"   | 30    | 306      | 265        |
| 125-140 | 125 | 5"   | 35    | 257      | 310        |
| 160     | 150 | 6"   | 40    | 408      | 354        |
| 200-225 | 200 | 8"   | 50    | 510      | 442        |
| 250-280 | 250 | 10"  | 80    | 816      | 708        |
| 315     | 300 | 12"  | 80    | 816      | 708        |

## UP. 52. SF - FLANGE KIT

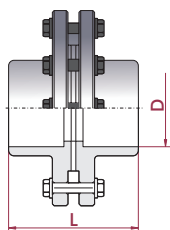
### Flange set (kit)

- Fix flange
- Female solvent socket
- Metric series



### Enlace con bridas (kit)

- Brida fija
- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF. (EVA) | CODE (EVA) | REF. (EPDM)    | CODE (EPDM) | L   |
|-----|-----|----|------------|------------|----------------|-------------|-----|
| 20  | 15  | 16 | 05 52 020  | 66949      | 05 52 020 EPDM | 66959       |     |
| 25  | 20  | 16 | 05 52 025  | 66950      | 05 52 025 EPDM | 66960       |     |
| 32  | 25  | 16 | 05 52 032  | 66951      | 05 52 032 EPDM | 66961       |     |
| 40  | 32  | 16 | 05 52 040  | 66952      | 05 52 040 EPDM | 66962       |     |
| 50  | 40  | 16 | 05 52 050  | 66953      | 05 52 050 EPDM | 66963       |     |
| 63  | 50  | 16 | 05 52 063  | 66954      | 05 52 063 EPDM | 66964       |     |
| 75  | 65  | 16 | 05 52 075  | 02371      | 05 52 075 EPDM | 66965       | 97  |
| 90  | 80  | 16 | 05 52 090  | 02372      | 05 52 090 EPDM | 66966       | 115 |
| 110 | 100 | 16 | 05 52 110  | 02373      | 05 52 110 EPDM | 66967       | 136 |
| 125 | 110 | 16 | 05 52 125  | 02374      | 05 52 125 EPDM | 66968       | 152 |
| 140 | 125 | 16 | 05 52 140  | 02375      | 05 52 140 EPDM | 66969       | 166 |
| 160 | 150 | 10 | 05 52 160  | 02376      | 05 52 160 EPDM | 66970       | 186 |
| 200 | 175 | 10 | 05 52 200  | 02377      | 05 52 200 EPDM | 66971       | 227 |
| 225 | 200 | 10 | 05 52 225  | 02378      | 05 52 225 EPDM | 66972       | 255 |



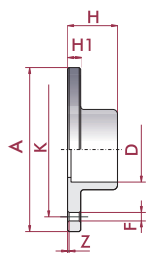
## UP. 25. FLG - STUB AND BACKING RING

### PVC-U fix flange (stub & backing ring)

- Female solvent socket
- Metric series

### Brida fija PVC-U

- Encolar hembra
- Serie métrica



<sup>4</sup> Hole distance corresponding to DN125 flange

<sup>4</sup> Brida con distancia entre agujeros correspondiente a la brida DN125

| D                | DN  | PN | REF.                   | CODE         |
|------------------|-----|----|------------------------|--------------|
| 20               | 15  | 16 | 05 25 020 *            | <b>22575</b> |
| 25               | 20  | 16 | 05 25 025 *            | <b>22576</b> |
| 32               | 25  | 16 | 05 25 032 *            | <b>22577</b> |
| 40               | 32  | 16 | 05 25 040 *            | <b>22578</b> |
| 50               | 40  | 16 | 05 25 050 *            | <b>22579</b> |
| 63               | 50  | 16 | 05 25 063 *            | <b>22580</b> |
| 75               | 65  | 16 | 05 25 075              | <b>02226</b> |
| 90               | 80  | 16 | 05 25 090              | <b>02227</b> |
| 110              | 100 | 16 | 05 25 110              | <b>02228</b> |
| 125              |     | 16 | 05 25 125              | <b>02229</b> |
| 125 <sup>4</sup> |     | 16 | 05 25 126 <sup>3</sup> | <b>02234</b> |
| 140              | 125 | 16 | 05 25 140              | <b>02230</b> |
| 160              | 150 | 10 | 05 25 160              | <b>02231</b> |
| 200              |     | 10 | 05 25 200              | <b>02232</b> |
| 225              | 200 | 10 | 05 25 225              | <b>02233</b> |

| H   | H1 | Z | A   | K   | F      |
|-----|----|---|-----|-----|--------|
| 20  | 13 | 4 | 95  | 65  | 14 x 4 |
| 23  | 14 | 4 | 105 | 75  | 14 x 4 |
| 26  | 16 | 4 | 115 | 85  | 14 x 4 |
| 30  | 17 | 4 | 142 | 100 | 18 x 4 |
| 35  | 18 | 4 | 152 | 110 | 18 x 4 |
| 42  | 20 | 4 | 165 | 125 | 18 x 4 |
| 47  | 19 | 3 | 185 | 145 | 18 x 4 |
| 56  | 22 | 5 | 200 | 160 | 18 x 8 |
| 66  | 23 | 5 | 220 | 180 | 18 x 8 |
| 74  | 26 | 5 | 230 | 190 | 18 x 8 |
| 74  | 26 | 5 | 250 | 210 | 18 x 8 |
| 81  | 28 | 5 | 250 | 210 | 18 x 8 |
| 91  | 30 | 5 | 285 | 240 | 22 x 8 |
| 112 | 30 | 6 | 315 | 270 | 22 x 8 |
| 125 | 33 | 6 | 340 | 295 | 22 x 8 |

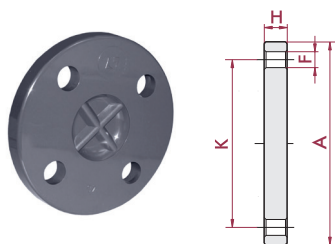
\* Distributed product

\* Producto comercializado

## UP. 37. FLG - BLIND FLANGE

PVC-U blind flange

Brida ciega PVC-U



<sup>5</sup> Hole distance corresponding to DN200 flange

<sup>5</sup> Brida con distancia entre agujeros correspondiente a la brida DN200

| D                | DN  | PN | REF.                     | CODE         |
|------------------|-----|----|--------------------------|--------------|
| 20               | 15  | 16 | 05 37 020 *              | <b>22561</b> |
| 25               | 20  | 16 | 05 37 025 *              | <b>22562</b> |
| 32               | 25  | 16 | 05 37 032 *              | <b>22563</b> |
| 40               | 32  | 16 | 05 37 040 *              | <b>22564</b> |
| 50               | 40  | 16 | 05 37 050 *              | <b>22565</b> |
| 63               | 50  | 16 | 05 37 063 *              | <b>22566</b> |
| 75               | 65  | 16 | 05 37 075 *              | <b>22567</b> |
| 90               | 80  | 16 | 05 37 090 *              | <b>22568</b> |
| 110              | 100 | 16 | 05 37 110 *              | <b>22569</b> |
| 125              |     | 16 | 05 37 125 *              | <b>22570</b> |
| 140              | 125 | 16 | 05 37 140 *              | <b>22571</b> |
| 160              | 150 | 10 | 05 37 160 *              | <b>22572</b> |
| 200 <sup>5</sup> |     | 10 | 05 37 200 <sup>3</sup> * | <b>22573</b> |
| 225              | 200 | 10 | 05 37 225 *              | <b>22574</b> |

| H  | A   | K   | F      |
|----|-----|-----|--------|
| 11 | 95  | 65  | 14 x 4 |
| 12 | 105 | 75  | 14 x 4 |
| 14 | 115 | 85  | 14 x 4 |
| 15 | 142 | 100 | 18 x 4 |
| 16 | 152 | 110 | 18 x 4 |
| 18 | 165 | 125 | 18 x 4 |
| 19 | 185 | 145 | 18 x 4 |
| 20 | 200 | 160 | 18 x 8 |
| 22 | 220 | 180 | 18 x 8 |
| 24 | 230 | 190 | 18 x 8 |
| 26 | 250 | 210 | 18 x 8 |
| 28 | 285 | 240 | 22 x 8 |
| 30 | 340 | 295 | 22 x 8 |
| 30 | 340 | 295 | 22 x 8 |

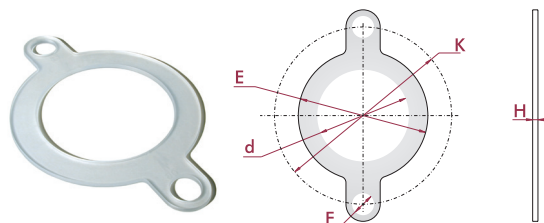
## EVA. 14 - FLAT GASKET

EVA flat gasket

• Metric series

Junta plana EVA

• Serie métrica



| D   | DN  | REF.      | CODE         |
|-----|-----|-----------|--------------|
| 20  | 15  | 05 14 020 | <b>07700</b> |
| 25  | 20  | 05 14 025 | <b>07701</b> |
| 32  | 25  | 05 14 032 | <b>07702</b> |
| 40  | 32  | 05 14 040 | <b>07703</b> |
| 50  | 40  | 05 14 050 | <b>02061</b> |
| 63  | 50  | 05 14 063 | <b>02062</b> |
| 75  | 65  | 05 14 075 | <b>02063</b> |
| 90  | 80  | 05 14 090 | <b>02064</b> |
| 110 | 100 | 05 14 110 | <b>02065</b> |
| 125 |     | 05 14 125 | <b>02066</b> |
| 140 | 125 | 05 14 140 | <b>02067</b> |
| 160 | 150 | 05 14 160 | <b>02068</b> |
| 200 |     | 05 14 200 | <b>02069</b> |
| 225 | 200 | 05 14 225 | <b>02070</b> |
| 250 |     | 05 14 250 | <b>02071</b> |
| 315 | 300 | 05 14 315 | <b>02072</b> |

| d   | E   | H | K   | F  |
|-----|-----|---|-----|----|
| 20  | 32  | 2 | 65  | 14 |
| 25  | 39  | 2 | 75  | 14 |
| 32  | 48  | 2 | 85  | 14 |
| 40  | 59  | 2 | 100 | 18 |
| 50  | 71  | 3 | 110 | 18 |
| 63  | 88  | 3 | 125 | 18 |
| 75  | 104 | 3 | 145 | 18 |
| 90  | 123 | 3 | 160 | 18 |
| 110 | 148 | 4 | 180 | 18 |
| 125 | 166 | 4 | 190 | 18 |
| 140 | 186 | 4 | 210 | 18 |
| 160 | 211 | 4 | 240 | 22 |
| 200 | 245 | 5 | 270 | 22 |
| 225 | 275 | 5 | 295 | 22 |
| 250 | 328 | 3 | 350 | 22 |
| 315 | 378 | 3 | 400 | 22 |

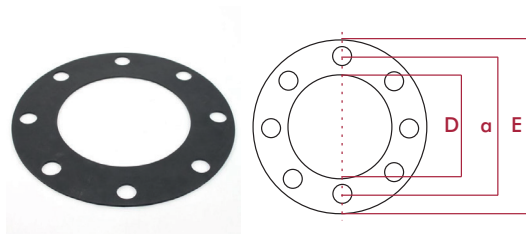
## PDM. 14 - FLAT GASKET

EPDM flat gasket

• Metric series

Junta plana EPDM

• Serie métrica



| D   | DN  | REF.             | CODE         |
|-----|-----|------------------|--------------|
| 20  | 15  | 05 14 020 EPDM * | <b>66933</b> |
| 25  | 20  | 05 14 025 EPDM * | <b>66934</b> |
| 32  | 25  | 05 14 032 EPDM * | <b>66935</b> |
| 40  | 32  | 05 14 040 EPDM * | <b>66936</b> |
| 50  | 40  | 05 14 050 EPDM * | <b>66937</b> |
| 63  | 50  | 05 14 063 EPDM * | <b>66938</b> |
| 75  | 65  | 05 14 075 EPDM * | <b>66939</b> |
| 90  | 80  | 05 14 090 EPDM * | <b>66940</b> |
| 110 | 100 | 05 14 110 EPDM * | <b>66941</b> |
| 125 |     | 05 14 125 EPDM * | <b>66942</b> |
| 140 | 125 | 05 14 140 EPDM * | <b>66943</b> |
| 160 | 150 | 05 14 160 EPDM * | <b>66944</b> |
| 200 |     | 05 14 200 EPDM * | <b>66945</b> |
| 225 | 200 | 05 14 225 EPDM * | <b>66946</b> |
| 250 |     | 05 14 250 EPDM * | <b>66947</b> |
| 315 | 300 | 05 14 315 EPDM * | <b>66948</b> |
| 400 | 353 | 05 14 400 EPDM * | <b>05345</b> |
| 500 | 475 | 05 14 402 EPDM * | <b>05346</b> |

| H   | E   | a   | F       |
|-----|-----|-----|---------|
| 2,5 | 93  | 34  | 16 x 4  |
| 2,5 | 103 | 41  | 19 x 4  |
| 2,5 | 115 | 50  | 22 x 4  |
| 2,5 | 140 | 100 | 20 x 4  |
| 2,5 | 150 | 110 | 20 x 4  |
| 2,5 | 165 | 125 | 20 x 4  |
| 2,5 | 185 | 145 | 20 x 4  |
| 2,5 | 200 | 160 | 20 x 8  |
| 2,5 | 220 | 180 | 20 x 8  |
| 2,5 | 245 | 210 | 20 x 8  |
| 2,5 | 250 | 210 | 20 x 8  |
| 2,5 | 285 | 240 | 22 x 8  |
| 2,5 | 335 | 295 | 22 x 8  |
| 2,5 | 340 | 295 | 22 x 8  |
| 2,5 | 395 | 350 | 22 x 12 |
| 2,5 | 440 | 400 | 22 x 12 |
| 2,5 | 565 | 515 | 22 x 16 |
| 2,5 | 660 | 620 | 25 x 20 |

\* Distributed product

\* Producto comercializado

## BOLTS TORNILLERÍA

Required bolt size depending on each application of the flange:  
butterfly valve, coupling or swing check valve.

Modelo y tamaño necesario de tornillería para cada una de las aplicaciones  
de la brida: válvula de mariposa, enlace o válvula de clapeta.

|  <p>Flange set (loose flange)<br/>Enlace bridas (brida loca)</p>                                 |            |       |                               |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|-------------------------------|----------------------------|
|  <p>Industrial ball valve with loose flanges<br/>Válvula de bola Industrial con bridas locas</p> |            |       |                               |                            |
| FLANGE SIZE                                                                                                                                                                       | SCREW SIZE | UNITS | CODE<br>5.6 zinc plated steel | CODE<br>A2 stainless steel |
| D20, D25                                                                                                                                                                          | M12 x 60   | 4     | 16061                         | 60515                      |
| D32                                                                                                                                                                               | M12 x 60   | 4     | 16061                         | 60515                      |
| D40                                                                                                                                                                               | M16 x 70   | 4     | 02437                         | 60516                      |
| D50                                                                                                                                                                               | M16 x 80   | 4     | 02437                         | 60516                      |
| D63                                                                                                                                                                               | M16 x 80   | 4     | 02438                         | 60517                      |
| D75                                                                                                                                                                               | M16 x 90   | 4     | 02439                         | 60518                      |
| D90                                                                                                                                                                               | M16 x 90   | 8     | 02439                         | 60518                      |
| D110                                                                                                                                                                              | M16 x 100  | 8     | 66775                         | 66783                      |
| D125                                                                                                                                                                              | M16 x 110  | 8     | 66776                         | 66784                      |
| D140                                                                                                                                                                              | M16 x 120  | 8     | 02440                         | 60519                      |
| D160                                                                                                                                                                              | M20 x 130  | 8     | 66778                         | 66786                      |
| D200                                                                                                                                                                              | M20 x 140  | 8     | 66779                         | 66787                      |
| D225                                                                                                                                                                              | M20 x 140  | 8     | 66779                         | 66787                      |
| D250                                                                                                                                                                              | M20 x 140  | 12    | 66779                         | 66787                      |
| D280                                                                                                                                                                              | M20 x 150  | 12    | 66780                         | 66788                      |
| D315                                                                                                                                                                              | M20 x 160  | 12    | 02448                         | 60535                      |
| D400                                                                                                                                                                              | M24 x 160  | 12    | 66782                         | 66790                      |
| D500                                                                                                                                                                              | M24 x 140  | 12    | 66781                         | 66789                      |

|  <p>Flange set (fix flange)<br/>Enlace bridas (brida fija)</p> |            |       |                               |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|-------------------------------|----------------------------|
| FLANGE SIZE                                                                                                                                     | SCREW SIZE | UNITS | CODE<br>5.6 zinc plated steel | CODE<br>A2 stainless steel |
| D20, D25                                                                                                                                        | M 12 x 60  | 4     | 16061                         | 60515                      |
| D32                                                                                                                                             | M 12 x 60  | 4     | 16061                         | 60515                      |
| D40                                                                                                                                             | M 16 x 70  | 4     | 02437                         | 60516                      |
| D50                                                                                                                                             | M 16 x 70  | 4     | 02437                         | 60516                      |
| D63                                                                                                                                             | M 16 x 70  | 4     | 02437                         | 60516                      |
| D75                                                                                                                                             | M 16 x 70  | 4     | 02437                         | 60516                      |
| D90                                                                                                                                             | M 16 x 70  | 8     | 02437                         | 60516                      |
| D110                                                                                                                                            | M 16 x 80  | 8     | 02438                         | 60517                      |
| D125                                                                                                                                            | M 16 x 80  | 8     | 02438                         | 60517                      |
| D140                                                                                                                                            | M 16 x 90  | 8     | 02439                         | 60518                      |
| D160                                                                                                                                            | M 20 x 90  | 8     | 02446                         | 60533                      |
| D200                                                                                                                                            | M 20 x 110 | 8     | 02447                         | 60534                      |
| D225                                                                                                                                            | M 20 x 110 | 8     | 02447                         | 60534                      |
|                                                                                                                                                 |            |       |                               |                            |
|                                                                                                                                                 |            |       |                               |                            |
|                                                                                                                                                 |            |       |                               |                            |
|                                                                                                                                                 |            |       |                               |                            |

|  <p>Butterfly valve (loose flange)<br/>Válvula mariposa (brida loca)</p> |            |       |                               |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|-------------------------------|----------------------------|
| FLANGE SIZE                                                                                                                                                 | SCREW SIZE | UNITS | CODE<br>5.6 zinc plated steel | CODE<br>A2 stainless steel |
| D63                                                                                                                                                         | M 16 x 120 | 4     | 02440                         | 60519                      |
| D75                                                                                                                                                         | M 16 x 140 | 4     | 02442                         | 60526                      |
| D90                                                                                                                                                         | M 16 x 150 | 8     | 02443                         | 60527                      |
| D110                                                                                                                                                        | M 16 x 160 | 8     | 02444                         | 60528                      |
| D125                                                                                                                                                        | M 16 x 170 | 8     | 02445                         | 60529                      |
| D140                                                                                                                                                        | M 16 x 170 | 8     | 02445                         | 60529                      |
| D160                                                                                                                                                        | M 20 x 200 | 8     | 20263                         | 60538                      |
| D200                                                                                                                                                        | M 20 x 210 | 8     | 02451                         | 60539                      |
| D225                                                                                                                                                        | M 20 x 230 | 8     | 02452                         | 60547                      |
| D250                                                                                                                                                        | M 20 x 270 | 12    | 07721                         | 60548                      |
| D280                                                                                                                                                        | M 20 x 270 | 12    | 07721                         | 60548                      |
| D315                                                                                                                                                        | M 20 x 310 | 12    | 07722                         | 60549                      |

|  <p>Butterfly valve (fix flange)<br/>Válvula mariposa (brida fija)</p> |            |       |                               |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|-------------------------------|----------------------------|
| FLANGE SIZE                                                                                                                                               | SCREW SIZE | UNITS | CODE<br>5.6 zinc plated steel | CODE<br>A2 stainless steel |
| D63                                                                                                                                                       | M 16 x 120 | 4     | 02440                         | 60519                      |
| D75                                                                                                                                                       | M 16 x 120 | 4     | 02440                         | 60519                      |
| D90                                                                                                                                                       | M 16 x 130 | 8     | 02441                         | 60525                      |
| D110                                                                                                                                                      | M 16 x 130 | 8     | 02441                         | 60625                      |
| D125                                                                                                                                                      | M 16 x 140 | 8     | 02442                         | 60526                      |
| D140                                                                                                                                                      | M 16 x 150 | 8     | 02443                         | 60527                      |
| D160                                                                                                                                                      | M 20 x 160 | 8     | 02448                         | 60535                      |
| D200                                                                                                                                                      | M 20 x 180 | 8     | 02449                         | 60536                      |
| D225                                                                                                                                                      | M 20 x 190 | 8     | 02450                         | 60537                      |
|                                                                                                                                                           |            |       |                               |                            |
|                                                                                                                                                           |            |       |                               |                            |
|                                                                                                                                                           |            |       |                               |                            |

|  <p>Swing check valve (loose flange)<br/>Válvula de clapeta (brida loca)</p> |            |       |                               |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|-------------------------------|----------------------------|
| FLANGE SIZE                                                                                                                                                     | SCREW SIZE | UNITS | CODE<br>5.6 zinc plated steel | CODE<br>A2 stainless steel |
| D75                                                                                                                                                             | M 16 x 120 | 4     | 02440                         | 60519                      |
| D90                                                                                                                                                             | M 16 x 120 | 8     | 02440                         | 60519                      |
| D110                                                                                                                                                            | M 16 x 120 | 8     | 02440                         | 60519                      |
| D125                                                                                                                                                            | M 16 x 130 | 8     | 02441                         | 60525                      |
| D140                                                                                                                                                            | M 16 x 130 | 8     | 02441                         | 60525                      |
| D160                                                                                                                                                            | M 20 x 160 | 8     | 02448                         | 60535                      |
| D200                                                                                                                                                            | M 20 x 180 | 8     | 02448                         | 60535                      |
| D225                                                                                                                                                            | M 20 x 180 | 8     | 02449                         | 60536                      |
| D250                                                                                                                                                            | M 20 x 210 | 12    | 02451                         | 60539                      |
| D315                                                                                                                                                            | M 20 x 230 | 12    | 02452                         | 60547                      |

\* Valid for Industrial, Standard and Classic Series

\* Válido para Serie Industrial, Standard y Classic

## PVC-U UNIONS ENLACES 3 PIEZAS PVC-U

Unions are the preferred choice over flange adaptors for the connection of plastic pipes. With no metal parts, there is no corrosion and the weight is also reduced.

They are only available in small sizes (up until D110).

The union ends are manufactured in plain ends for solvent socket or thread always according the sizing standards, doing this system appropriate to adapt to other elements or systems. Cepex unions feature an o-ring in order to ensure better unions, so it is not needed the use of PTFE tape between nut and union end (it is only needed in the threaded ends).

They are not recommended when connected to pipe under bending stress.

The union nut should be tightened by hand. Must use a strap wrench for big sizes (D75, D90, D110).

With this type of unions, it is possible to mix several plastic materials.

Cuando hay que unir plásticos, éstos son preferidos a las bridas, ya que no contienen ninguna parte de metal y el diámetro exterior es más reducido.

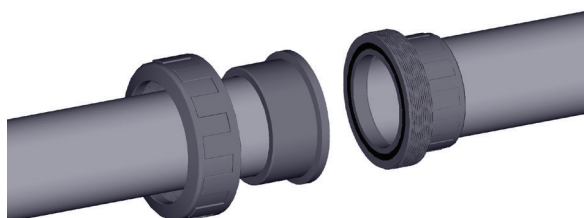
En contrapartida sólo están disponibles para diámetros pequeños (hasta D110).

Los manguitos de conexión están fabricados en terminaciones lisas de encolado o roscadas, siempre bajo normativas standards, haciendo posible la adaptación a otros componentes (incluso de materiales distintos).

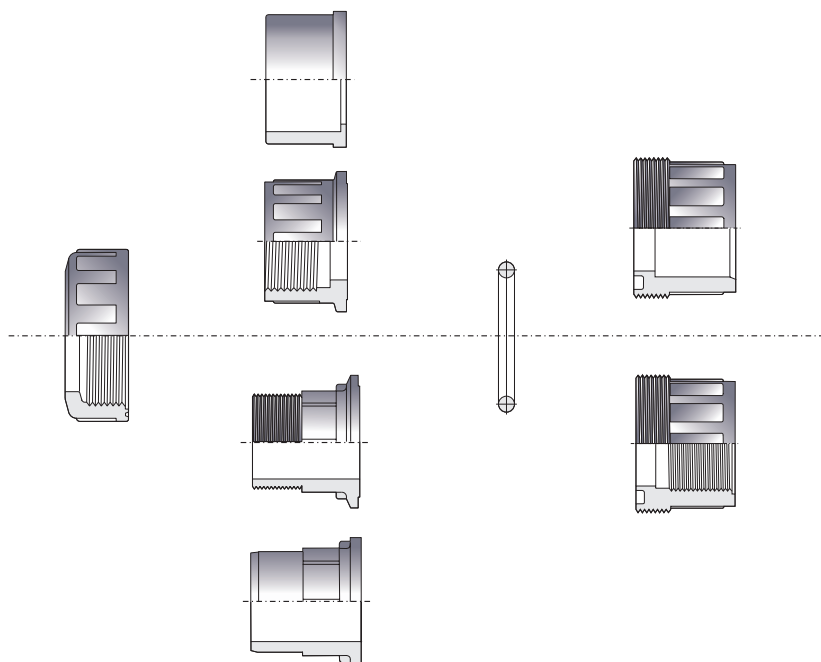
Los enlaces 3 piezas Cepex incorporan junta para asegurar estanqueidad entre los dos manguitos de la unión, por lo que no debe usarse cinta de PTFE entre tuerca y manguito (usar cinta de PTFE solamente en las terminaciones de manguito roscadas). No son recomendables cuando el tubo tenga que estar sometido a fuerza de flexión (debido a posibles desalineaciones).

No es necesario el uso de ninguna herramienta, se rosca con las manos. Usar llave de cinta en diámetros grandes (D75, D90, D110).

Mediante estos enlaces, se pueden combinar diferentes tipos de plásticos.



## CONNECTION POSSIBILITIES POSIBILIDADES DE CONEXIÓN



### Available standards

Solvent socket: metric, BS, ASTM  
Threaded: BSP, NPT

### Standards disponibles

Encolar: métrico, BS, ASTM  
Roscar: BSP, NPT

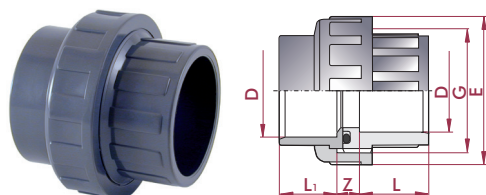
## UP. 50. SF - UNION

**Union**

- Female solvent socket
- Metric series
- EPDM o-ring

**Enlace 3 piezas**

- Encolar hembra
- Serie métrica
- Anillo tórico en EPDM



| D   | DN  | PN | REF.      | CODE         |
|-----|-----|----|-----------|--------------|
| 16  | 12  | 16 | 05 50 016 | <b>20157</b> |
| 20  | 15  | 16 | 05 50 020 | <b>02327</b> |
| 25  | 20  | 16 | 05 50 025 | <b>02328</b> |
| 32  | 25  | 16 | 05 50 032 | <b>02329</b> |
| 40  | 32  | 16 | 05 50 040 | <b>02330</b> |
| 50  | 40  | 16 | 05 50 050 | <b>02331</b> |
| 63  | 50  | 16 | 05 50 063 | <b>02332</b> |
| 75  | 65  | 10 | 05 50 075 | <b>02333</b> |
| 90  | 80  | 10 | 05 50 090 | <b>02334</b> |
| 110 | 100 | 10 | 05 50 110 | <b>02335</b> |

| L  | L <sub>1</sub> | Z  | G   | E   | o-ring     |
|----|----------------|----|-----|-----|------------|
| 14 | 14             | 13 | ¾"  | 34  | 15,5 x 2,6 |
| 16 | 16             | 13 | 1"  | 41  | 20,2 x 3,5 |
| 19 | 19             | 13 | 1¼" | 52  | 28,2 x 3,5 |
| 22 | 22             | 13 | 1½" | 60  | 32,9 x 3,5 |
| 26 | 26             | 15 | 2"  | 74  | 40,6 x 5,3 |
| 31 | 31             | 17 | 2¼" | 80  | 47,0 x 5,3 |
| 38 | 38             | 21 | 2¾" | 99  | 59,7 x 5,3 |
| 44 | 44             | 21 | 3½" | 120 | 75,6 x 5,3 |
| 51 | 51             | 24 | 4"  | 138 | 91,4 x 5,3 |
| 61 | 61             | 26 | 5½" | 179 | 110,5x5,3  |

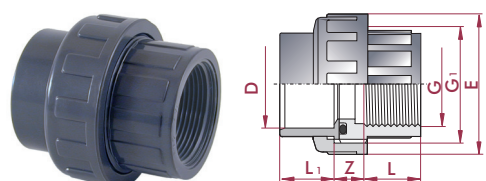
## UP. 50. SFT - UNION ADAPTOR

**Union adaptor**

- Female solvent socket x BSP female thread
- Metric series
- EPDM o-ring

**Enlace 3 piezas mixto**

- Encolar hembra x roscar hembra BSP
- Serie métrica
- Anillo tórico en EPDM



| D x G    | DN  | PN | REF.      | CODE         |
|----------|-----|----|-----------|--------------|
| 16 x ¾"  | 12  | 10 | 05 50 416 | <b>20158</b> |
| 20 x ½"  | 15  | 10 | 05 50 420 | <b>02336</b> |
| 25 x ¾"  | 20  | 10 | 05 50 425 | <b>02337</b> |
| 32 x 1"  | 25  | 10 | 05 50 432 | <b>02338</b> |
| 40 x 1¼" | 32  | 10 | 05 50 440 | <b>02339</b> |
| 50 x 1½" | 40  | 10 | 05 50 450 | <b>02340</b> |
| 63 x 2"  | 50  | 10 | 05 50 463 | <b>02341</b> |
| 75 x 2½" | 65  | 10 | 05 50 475 | <b>02342</b> |
| 90 x 3"  | 80  | 10 | 05 50 490 | <b>02343</b> |
| 110 x 4" | 100 | 10 | 05 50 510 | <b>02344</b> |

| L  | L <sub>1</sub> | Z  | G <sub>1</sub> | E   | o-ring     |
|----|----------------|----|----------------|-----|------------|
| 14 | 14             | 13 | ¾"             | 34  | 15,5 x 2,6 |
| 16 | 16             | 13 | 1"             | 41  | 20,2 x 3,5 |
| 19 | 19             | 13 | 1¼"            | 52  | 28,2 x 3,5 |
| 22 | 22             | 13 | 1½"            | 60  | 32,9 x 3,5 |
| 26 | 26             | 15 | 2"             | 74  | 40,6 x 5,3 |
| 31 | 31             | 17 | 2¼"            | 80  | 47,0 x 5,3 |
| 38 | 38             | 21 | 2¾"            | 99  | 59,7 x 5,3 |
| 44 | 44             | 21 | 3½"            | 120 | 75,6 x 5,3 |
| 51 | 51             | 24 | 4"             | 138 | 91,4 x 5,3 |
| 61 | 61             | 26 | 5½"            | 179 | 110,5x5,3  |

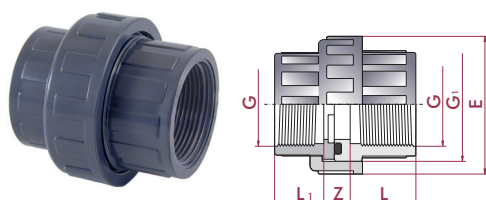
## UP. 50. FT - UNION

**Union**

- BSP female thread
- EPDM o-ring

**Enlace 3 piezas**

- Roscar hembra BSP
- Anillo tórico en EPDM



| G   | DN  | PN | REF.      | CODE         |
|-----|-----|----|-----------|--------------|
| ¾"  | 12  | 10 | 05 50 616 | <b>20159</b> |
| ½"  | 15  | 10 | 05 50 620 | <b>02345</b> |
| ¾"  | 20  | 10 | 05 50 625 | <b>02346</b> |
| 1"  | 25  | 10 | 05 50 632 | <b>02347</b> |
| 1¼" | 32  | 10 | 05 50 640 | <b>02348</b> |
| 1½" | 40  | 10 | 05 50 650 | <b>02349</b> |
| 2"  | 50  | 10 | 05 50 663 | <b>02350</b> |
| 2½" | 65  | 10 | 05 50 675 | <b>07713</b> |
| 3"  | 80  | 10 | 05 50 690 | <b>07714</b> |
| 4"  | 100 | 10 | 05 50 710 | <b>07715</b> |

| L  | L <sub>1</sub> | Z  | G <sub>1</sub> | E   | o-ring     |
|----|----------------|----|----------------|-----|------------|
| 14 | 12             | 13 | ¾"             | 34  | 15,5 x 2,6 |
| 16 | 15             | 12 | 1"             | 41  | 20,2 x 3,5 |
| 19 | 17             | 12 | 1¼"            | 52  | 28,2 x 3,5 |
| 22 | 20             | 14 | 1½"            | 60  | 32,9 x 3,5 |
| 26 | 24             | 16 | 2"             | 74  | 40,6 x 5,3 |
| 31 | 25             | 18 | 2¼"            | 80  | 47,0 x 5,3 |
| 38 | 29             | 20 | 2¾"            | 99  | 59,7 x 5,3 |
| 44 | 34             | 21 | 3½"            | 120 | 75,6 x 5,3 |
| 51 | 37             | 24 | 4"             | 138 | 91,4 x 5,3 |
| 61 | 42             | 26 | 5½"            | 179 | 110,5x5,3  |

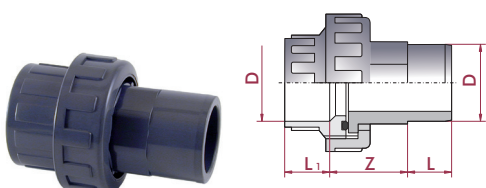
## UP. 51. SMF - UNION

**Union**

- Male x female solvent socket
- Metric series
- EPDM o-ring

**Enlace 3 piezas**

- Encolar macho x hembra
- Serie métrica
- Anillo tórico en EPDM



| D  | DN | PN | REF.      | CODE         |
|----|----|----|-----------|--------------|
| 50 | 40 | 10 | 05 51 050 | <b>02351</b> |
| 63 | 50 | 10 | 05 51 063 | <b>02352</b> |

| L  | L <sub>1</sub> | Z  |
|----|----------------|----|
| 31 | 31             | 48 |
| 38 | 38             | 62 |

FPM o-rings available upon request.  
Juntas en FPM disponibles bajo pedido.

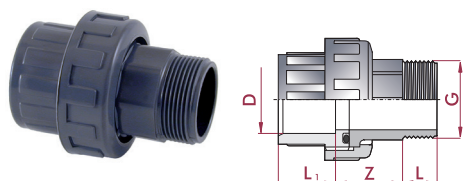
## UP. 51. SMT - UNION ADAPTOR

### Union adaptor

- Female solvent socket x BSP male thread
- Metric series
- EPDM o-ring

### Enlace 3 piezas mixto

- Encolar hembra x roscar macho BSP
- Serie métrica
- Anillo tórico en EPDM



| D x G       | DN  | PN | REF.      | CODE         |
|-------------|-----|----|-----------|--------------|
| 16 x 3/8"   | 12  | 10 | 05 51 416 | <b>20160</b> |
| 20 x 1/2"   | 15  | 10 | 05 51 420 | <b>02353</b> |
| 25 x 3/4"   | 20  | 10 | 05 51 425 | <b>02354</b> |
| 32 x 1"     | 25  | 10 | 05 51 432 | <b>02355</b> |
| 40 x 1 1/4" | 32  | 10 | 05 51 440 | <b>02356</b> |
| 50 x 1 1/2" | 40  | 10 | 05 51 450 | <b>02357</b> |
| 63 x 2"     | 50  | 10 | 05 51 463 | <b>02358</b> |
| 75 x 2 1/2" | 65  | 10 | 05 51 475 | <b>02359</b> |
| 90 x 3"     | 80  | 10 | 05 51 490 | <b>02360</b> |
| 110 x 4"    | 100 | 10 | 05 51 510 | <b>02361</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 14             | 12 | 29 |
| 16             | 15 | 33 |
| 19             | 16 | 35 |
| 22             | 19 | 40 |
| 26             | 21 | 40 |
| 31             | 21 | 48 |
| 38             | 28 | 62 |
| 44             | 30 | 70 |
| 51             | 33 | 62 |
| 61             | 40 | 70 |

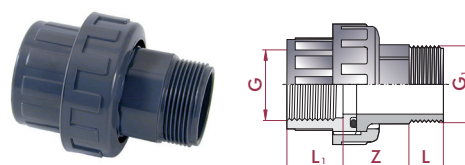
## UP. 51. MFT - UNION

### Union

- BSP female x male thread
- EPDM o-ring

### Enlace 3 piezas

- Roscar hembra x macho BSP
- Anillo tórico en EPDM



| G x G <sub>1</sub> | DN  | PN | REF.      | CODE         |
|--------------------|-----|----|-----------|--------------|
| 3/8" x 3/8"        | 12  | 10 | 05 51 616 | <b>20161</b> |
| 1/2" x 1/2"        | 15  | 10 | 05 51 620 | <b>02362</b> |
| 3/4" x 3/4"        | 20  | 10 | 05 51 625 | <b>02363</b> |
| 1" x 1"            | 25  | 10 | 05 51 632 | <b>02364</b> |
| 1 1/4" x 1 1/4"    | 32  | 10 | 05 51 640 | <b>02365</b> |
| 1 1/2" x 1 1/2"    | 40  | 10 | 05 51 650 | <b>02366</b> |
| 2" x 2"            | 50  | 10 | 05 51 663 | <b>02367</b> |
| 2 1/2" x 2 1/2"    | 65  | 10 | 05 51 675 | <b>02368</b> |
| 3" x 3"            | 80  | 10 | 05 51 690 | <b>02369</b> |
| 4" x 4"            | 100 | 10 | 05 51 710 | <b>02370</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 14             | 12 | 30 |
| 16             | 15 | 33 |
| 19             | 16 | 35 |
| 22             | 19 | 40 |
| 26             | 21 | 40 |
| 31             | 21 | 48 |
| 38             | 28 | 62 |
| 44             | 30 | 70 |
| 51             | 33 | 62 |
| 61             | 40 | 70 |

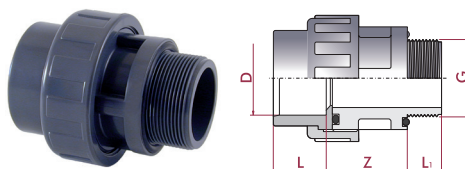
## UP. 51. SMT2 - UNION ADAPTOR

### Union adaptor

- Female solvent socket x BSP male thread
- Metric series
- EPDM o-ring

### Enlace 3 piezas mixto

- Encolar hembra x roscar macho BSP
- Serie métrica
- Anillo tórico en EPDM



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 50 x 1 1/2" | 40 | 10 | 05 51 250 | <b>07716</b> |
| 50 x 2"     | 40 | 10 | 05 51 251 | <b>26638</b> |
| 63 x 2"     | 50 | 10 | 05 51 263 | <b>07717</b> |

| L  | L <sub>1</sub> | Z  |
|----|----------------|----|
| 31 | 21             | 49 |
| 31 | 26             | 46 |
| 38 | 26             | 51 |

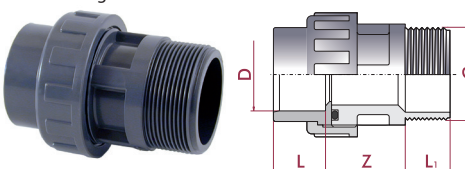
## UP. 51. SFMT - UNION

### Union adaptor

- Female solvent socket x BSP male thread
- Metric series
- EPDM o-ring

### Enlace 3 piezas mixto

- Encolar hembra x roscar macho BSP
- Serie métrica
- Anillo tórico en EPDM



| D x G   | DN | PN | REF.      | CODE         |
|---------|----|----|-----------|--------------|
| 50 x 2" | 40 | 10 | 05 51 451 | <b>09033</b> |

| L  | L <sub>1</sub> | Z  |
|----|----------------|----|
| 31 | 28             | 49 |

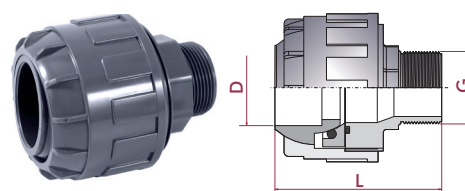
## UP. 57. SFMT - SELF-ALIGN UNION

### Self-align union

- Max. misalignment ±4°
- Female solvent socket x BSP male thread
- Metric series

### Manguito orientable

- Desalineación max. ±4°
- Encolar hembra x roscar macho BSP
- Serie métrica



| D x G       | DN | PN | REF.      | CODE         |
|-------------|----|----|-----------|--------------|
| 50 x 1 1/2" | 40 | 10 | 05 57 550 | <b>18874</b> |

| L   |
|-----|
| 110 |

## FITTINGS FOR UNIONS

### ACCESORIOS ENLACES 3 PIEZAS

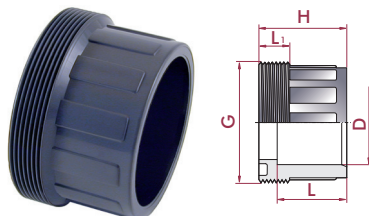
#### UP. 21. SFMT - ADAPTOR BUSH UNION

##### Adaptor union bush

- Female solvent socket x BSP male thread
- Metric series

##### Manguito enlace mixto

- Encolar hembra x roscar macho BSP
- Serie métrica



| D x G        | DN  | PN | REF.      | CODE         |
|--------------|-----|----|-----------|--------------|
| 20 x 1"      | 15  | 10 | 05 21 420 | <b>02148</b> |
| 25 x 1 1/4"  | 20  | 10 | 05 21 425 | <b>02150</b> |
| 32 x 1 1/2"  | 25  | 10 | 05 21 432 | <b>02151</b> |
| 40 x 2"      | 32  | 10 | 05 21 440 | <b>02153</b> |
| 50 x 2 1/4"  | 40  | 10 | 05 21 450 | <b>02154</b> |
| 63 x 2 3/4"  | 50  | 10 | 05 21 463 | <b>02156</b> |
| 75 x 3 1/2"  | 65  | 10 | 05 21 475 | <b>02157</b> |
| 90 x 4"      | 80  | 10 | 05 21 490 | <b>02158</b> |
| 110 x 5 1/2" | 100 | 10 | 05 21 510 | <b>02159</b> |

| L  | L <sub>1</sub> | H  |
|----|----------------|----|
| 16 | 10             | 26 |
| 19 | 11             | 29 |
| 22 | 12             | 32 |
| 28 | 15             | 39 |
| 31 | 16             | 46 |
| 38 | 18             | 56 |
| 44 | 18             | 62 |
| 51 | 18             | 69 |
| 61 | 31             | 79 |

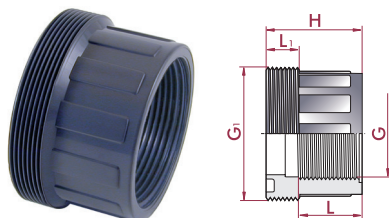
#### UP. 21. MFT - UNION BUSH

##### Union bush

- BSP male x female thread

##### Manguito enlace

- Roscar macho x hembra BSP



| G <sub>1</sub> x G <sub>2</sub> | DN  | PN | REF.      | CODE         |
|---------------------------------|-----|----|-----------|--------------|
| 1" x 1 1/2"                     | 15  | 10 | 05 21 620 | <b>02160</b> |
| 1 1/4" x 3/4"                   | 20  | 10 | 05 21 625 | <b>02162</b> |
| 1 1/2" x 1"                     | 25  | 10 | 05 21 632 | <b>02163</b> |
| 2" x 1 1/4"                     | 32  | 10 | 05 21 640 | <b>02165</b> |
| 2 1/4" x 1 1/2"                 | 40  | 10 | 05 21 650 | <b>02166</b> |
| 2 3/4" x 2"                     | 50  | 10 | 05 21 663 | <b>02168</b> |
| 3 1/2" x 2 1/2"                 | 65  | 10 | 05 21 675 | <b>02169</b> |
| 4" x 3"                         | 80  | 10 | 05 21 690 | <b>02170</b> |
| 5 1/2" x 4"                     | 100 | 10 | 05 21 710 | <b>02171</b> |

| L  | L <sub>1</sub> | H  |
|----|----------------|----|
| 16 | 10             | 26 |
| 19 | 11             | 29 |
| 22 | 12             | 32 |
| 30 | 15             | 39 |
| 31 | 16             | 46 |
| 38 | 18             | 56 |
| 44 | 18             | 62 |
| 51 | 18             | 69 |
| 61 | 31             | 79 |

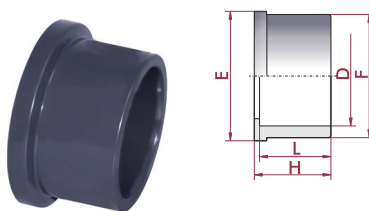
#### UP. 22. SF - UNION END

##### Union end

- Female solvent socket
- Metric series

##### Manguito enlace

- Encolar hembra
- Serie métrica



| D   | DN  | PN | REF.      | CODE         |
|-----|-----|----|-----------|--------------|
| 16  | 10  | 16 | 05 22 016 | <b>20229</b> |
| 20  | 15  | 16 | 05 22 020 | <b>02172</b> |
| 25  | 20  | 16 | 05 22 025 | <b>02173</b> |
| 32  | 25  | 16 | 05 22 032 | <b>02174</b> |
| 40  | 32  | 16 | 05 22 040 | <b>02175</b> |
| 50  | 40  | 16 | 05 22 050 | <b>02176</b> |
| 63  | 50  | 16 | 05 22 063 | <b>02177</b> |
| 75  | 65  | 16 | 05 22 075 | <b>02178</b> |
| 90  | 80  | 16 | 05 22 090 | <b>02179</b> |
| 110 | 100 | 16 | 05 22 110 | <b>02180</b> |

| L  | E   | H  | F   |
|----|-----|----|-----|
| 14 | 24  | 17 | 22  |
| 16 | 30  | 19 | 27  |
| 19 | 39  | 22 | 36  |
| 22 | 45  | 25 | 41  |
| 26 | 56  | 29 | 53  |
| 31 | 63  | 34 | 59  |
| 38 | 78  | 41 | 74  |
| 44 | 97  | 47 | 92  |
| 51 | 110 | 56 | 105 |
| 61 | 147 | 66 | 131 |

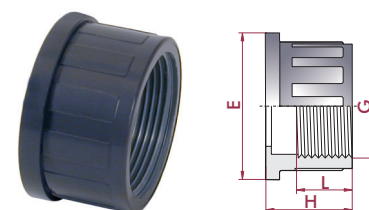
#### UP. 22. FT - UNION END

##### Union end

- BSP female thread
- Metric series

##### Manguito enlace

- Roscar hembra
- Serie métrica



| G      | DN  | PN | REF.      | CODE         |
|--------|-----|----|-----------|--------------|
| 3/8"   | 10  | 10 | 05 22 616 | <b>20230</b> |
| 1/2"   | 15  | 10 | 05 22 620 | <b>16310</b> |
| 3/4"   | 20  | 10 | 05 22 625 | <b>16311</b> |
| 1"     | 25  | 10 | 05 22 632 | <b>16312</b> |
| 1 1/4" | 32  | 10 | 05 22 640 | <b>16313</b> |
| 1 1/2" | 40  | 10 | 05 22 650 | <b>16314</b> |
| 2"     | 50  | 10 | 05 22 663 | <b>16315</b> |
| 2 1/2" | 65  | 10 | 05 22 675 | <b>16316</b> |
| 3"     | 80  | 10 | 05 22 690 | <b>16317</b> |
| 4"     | 100 | 10 | 05 22 710 | <b>16318</b> |

| L  | H  | E   |
|----|----|-----|
| 12 | 17 | 24  |
| 15 | 21 | 30  |
| 17 | 23 | 39  |
| 20 | 26 | 45  |
| 24 | 30 | 56  |
| 25 | 35 | 63  |
| 29 | 42 | 78  |
| 34 | 48 | 97  |
| 37 | 57 | 110 |
| 42 | 69 | 146 |



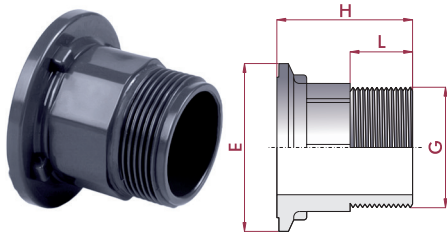
## UP. 22. MT - UNION END

### Union end

- BSP male thread

### Manguito

- Roscar macho BSP



| G      | PN | REF.      | CODE         |
|--------|----|-----------|--------------|
| 3/8"   | 10 | 05 22 416 | <b>25959</b> |
| 1/2"   | 10 | 05 22 420 | <b>25960</b> |
| 3/4"   | 10 | 05 22 425 | <b>25961</b> |
| 1"     | 10 | 05 22 432 | <b>25962</b> |
| 1 1/4" | 10 | 05 22 440 | <b>25963</b> |
| 1 1/2" | 10 | 05 22 450 | <b>25964</b> |
| 2"     | 10 | 05 22 463 | <b>25965</b> |
| 2 1/2" | 10 | 05 22 475 | <b>25966</b> |
| 3"     | 10 | 05 22 490 | <b>25967</b> |
| 4"     | 10 | 05 22 510 | <b>25968</b> |

| L  | H  | E   |
|----|----|-----|
| 12 | 33 | 24  |
| 15 | 38 | 30  |
| 16 | 41 | 39  |
| 19 | 48 | 45  |
| 21 | 50 | 57  |
| 21 | 57 | 63  |
| 28 | 70 | 78  |
| 30 | 72 | 97  |
| 33 | 77 | 110 |
| 40 | 98 | 147 |

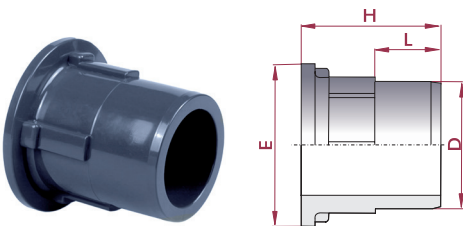
## UP. 22. SM - UNION END

### Union end

- Male solvent socket
- Metric series

### Manguito

- Encolar macho
- Serie métrica



| D  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 50 | 16 | 05 22 250 | <b>25957</b> |
| 63 | 16 | 05 22 263 | <b>25958</b> |

| L  | H  | E  |
|----|----|----|
| 31 | 66 | 63 |
| 38 | 80 | 78 |

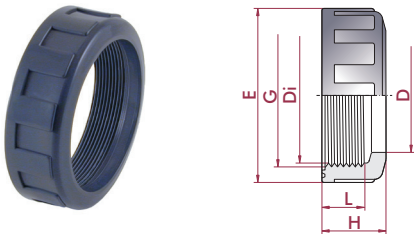
## UP. 23. FT - UNION NUT

### Union nut

- BSP female thread

### Tuerca

- Roscar hembra BSP



| G               | PN | REF.      | CODE         |
|-----------------|----|-----------|--------------|
| 3/4" (3/4")     | 10 | 05 23 625 | <b>02187</b> |
| 1" (1 1/2")     | 10 | 05 23 632 | <b>02188</b> |
| 1 1/4" (3/4")   | 10 | 05 23 640 | <b>02189</b> |
| 41,5            | 10 | 05 23 641 | <b>02190</b> |
| 1 1/2" (1")     | 10 | 05 23 650 | <b>02191</b> |
| 2" (1 1/4")     | 10 | 05 23 663 | <b>02192</b> |
| 2 1/4" (1 1/2") | 10 | 05 23 664 | <b>02193</b> |
| 2"              | 10 | 05 23 665 | <b>02194</b> |
| 2 1/2"          | 10 | 05 23 675 | <b>02195</b> |
| 2 3/4" (2")     | 10 | 05 23 676 | <b>02196</b> |
| 3 1/2" (2 1/2") | 10 | 05 23 692 | <b>02197</b> |
| 4" (3")         | 10 | 05 23 710 | <b>02198</b> |
| 5 1/2" (4")     | 10 | 05 23 741 | <b>02199</b> |

| L  | H  | E   | D   | Di  |
|----|----|-----|-----|-----|
| 15 | 20 | 36  | 22  | 24  |
| 15 | 20 | 41  | 27  | 30  |
| 16 | 22 | 52  | 36  | 39  |
| 12 | 18 | 53  | 33  | 39  |
| 20 | 26 | 60  | 41  | 45  |
| 21 | 26 | 74  | 53  | 57  |
| 22 | 30 | 80  | 59  | 63  |
| 19 | 28 | 70  | 46  | 54  |
| 18 | 27 | 90  | 64  | 72  |
| 28 | 36 | 99  | 74  | 78  |
| 28 | 36 | 120 | 92  | 97  |
| 28 | 38 | 133 | 105 | 110 |
| 41 | 56 | 177 | 131 | 148 |

The size of the corresponding union is indicated in brackets.

Entre paréntesis se indica la medida del enlace 3 piezas correspondiente.



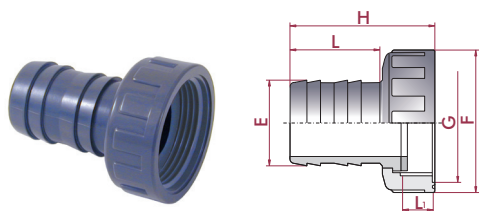
## PVC-U SPIGOTS

### ENLACES ESPIGA PVC-U

#### UP. 55. SPI - SPIGOT UNION

Spigot and nut union

Conjunto espiga y tuerca



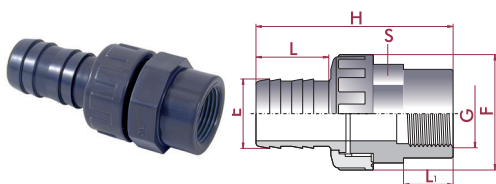
| E x G       | REF.      | CODE         |
|-------------|-----------|--------------|
| 16 x 3/4"   | 05 55 016 | <b>02399</b> |
| 18 x 3/4"   | 05 55 018 | <b>02400</b> |
| 20 x 3/4"   | 05 55 020 | <b>02401</b> |
| 25 x 1"     | 05 55 025 | <b>02402</b> |
| 20 x 1"     | 05 55 026 | <b>15764</b> |
| 30 x 1 1/4" | 05 55 032 | <b>02403</b> |
| 40 x 1 1/2" | 05 55 040 | <b>02404</b> |
| 50 x 2"     | 05 55 050 | <b>02405</b> |
| 38 x 2"     | 05 55 051 | <b>02406</b> |
| 60 x 2 1/2" | 05 55 063 | <b>02407</b> |

| H  | F  | L  | L <sub>1</sub> |
|----|----|----|----------------|
| 46 | 36 | 35 | 10             |
| 46 | 36 | 35 | 10             |
| 49 | 36 | 38 | 10             |
| 56 | 41 | 42 | 10             |
| 51 | 41 | 36 | 10             |
| 66 | 52 | 47 | 10             |
| 73 | 60 | 52 | 14             |
| 82 | 74 | 57 | 14             |
| 82 | 74 | 57 | 14             |
| 88 | 90 | 60 | 18             |

#### UP. 55. SPIFT - SPIGOT UNION

Spigot union female threaded

Enlace espiga rosca hembra



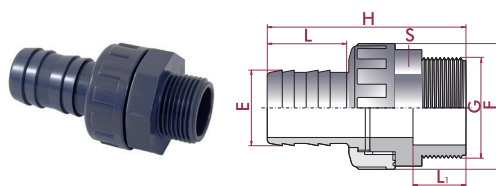
| E x G       | REF.      | CODE         |
|-------------|-----------|--------------|
| 16 x 3/8"   | 05 55 416 | <b>02408</b> |
| 18 x 1/2"   | 05 55 418 | <b>02409</b> |
| 20 x 1/2"   | 05 55 420 | <b>02410</b> |
| 25 x 3/4"   | 05 55 425 | <b>02411</b> |
| 30 x 1"     | 05 55 432 | <b>02412</b> |
| 40 x 1 1/4" | 05 55 440 | <b>02413</b> |
| 50 x 1 1/2" | 05 55 450 | <b>02414</b> |
| 38 x 1 1/2" | 05 55 451 | <b>02415</b> |
| 60 x 2"     | 05 55 463 | <b>02416</b> |

| H   | F  | S  | L  | L <sub>1</sub> |
|-----|----|----|----|----------------|
| 66  | 36 | 32 | 35 | 14             |
| 70  | 36 | 32 | 35 | 18             |
| 73  | 36 | 32 | 38 | 18             |
| 81  | 41 | 36 | 42 | 19             |
| 98  | 52 | 46 | 47 | 25             |
| 106 | 61 | 55 | 52 | 25             |
| 116 | 74 | 65 | 57 | 25             |
| 116 | 74 | 65 | 57 | 25             |
| 127 | 90 | 80 | 60 | 29             |

#### UP. 55. SPIMT - SPIGOT UNION

Spigot union male threaded

Enlace espiga rosca macho



| E x G       | REF.      | CODE         |
|-------------|-----------|--------------|
| 16 x 3/8"   | 05 55 616 | <b>02417</b> |
| 18 x 1/2"   | 05 55 618 | <b>02418</b> |
| 20 x 1/2"   | 05 55 620 | <b>02419</b> |
| 25 x 3/4"   | 05 55 625 | <b>02420</b> |
| 30 x 1"     | 05 55 632 | <b>02421</b> |
| 40 x 1 1/4" | 05 55 640 | <b>02422</b> |
| 50 x 1 1/2" | 05 55 650 | <b>02423</b> |
| 38 x 1 1/2" | 05 55 651 | <b>02424</b> |
| 60 x 2"     | 05 55 663 | <b>02425</b> |

| H   | F  | S  | L  | L <sub>1</sub> |
|-----|----|----|----|----------------|
| 66  | 36 | 32 | 35 | 14             |
| 70  | 36 | 32 | 35 | 18             |
| 73  | 36 | 32 | 38 | 18             |
| 81  | 41 | 36 | 42 | 19             |
| 98  | 52 | 46 | 47 | 25             |
| 106 | 61 | 55 | 52 | 25             |
| 116 | 74 | 65 | 57 | 25             |
| 116 | 74 | 65 | 57 | 25             |
| 127 | 90 | 80 | 60 | 29             |

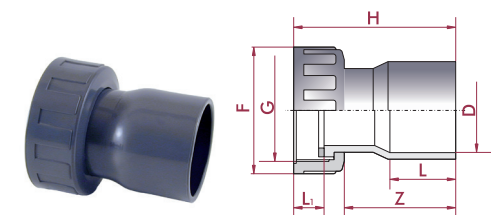
#### UP. 56. SF - FITTING CONNECTION

Fitting connection

- Female solvent socket
- Metric series

Conjunto raccord conexión

- Encolar hembra
- Serie métrica



| D x G       | PN | REF.      | CODE         |
|-------------|----|-----------|--------------|
| 40 x 2"     | 16 | 05 56 440 | <b>05350</b> |
| 50 x 1 1/2" | 16 | 05 56 451 | <b>75937</b> |
| 50 x 2"     | 16 | 05 56 450 | <b>75938</b> |

| L  | Z  | H   | F  | L <sub>1</sub> |
|----|----|-----|----|----------------|
| 26 | 16 | 46  | 75 | 17             |
| 32 | 64 | 91  | 60 | 13             |
| 32 | 64 | 103 | 75 | 17             |

## PVC-U MANIFOLD FITTINGS

### COLECTORES PVC-U

- Manifold fittings specially designed for the fast connection of 1" threaded elements, like electric valves assemblies, water supply, etc.
- Allowing fast and trouble-free installations.
- Available sizes: 1"
- Material: PVC-U
- PN 10 (150 psi)

Most irrigation systems need multiple watering stations, either for small residential areas, large landscapes or agriculture areas. At home one might have separate stations for the lawn and flower beds or there may not be enough water to irrigate the whole garden at the same time. This is when a series of valves is required.

These valves need to be connected together to the same source of water. The older ways were to create a manifold with costly galvanised metal or permanent assemblies.

Now with Cepex manifold fittings the job can be done:

- easier: no tools are required
- quicker: all parts are made to fit into each other
- more flexible: easy to change once assembled

- Accesorios colectores especialmente diseñados para la conexión rápida de elementos roscados de 1", tales como instalaciones con electroválvulas, suministro de agua, etc.
- Permiten realizar instalaciones con total facilidad y rapidez.
- Medidas disponibles: 1"
- Material: PVC-U
- PN 10 (150 psi)

La mayoría de sistemas de riego, ya sean pequeños para riego residencial o de mayores dimensiones para riego de zonas verdes o agrícola, requieren del uso de múltiples estaciones de riego.

En casa, es probable disponer de estaciones separadas para el césped y para las plantas, o puede no estar disponible la suficiente agua para regar todo el jardín a la vez. Es en estos casos que se requiere de series de válvulas.

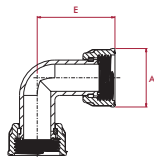
Estas válvulas necesitan ser conectadas al mismo punto de suministro de agua. Antiguamente se instalaban colectores de metal galvanizado de alto coste o con montajes permanentes. Ahora con los accesorios para colectores Cepex, este trabajo puede hacerse de una forma más:

- fácil: no se requieren herramientas
- rápida: todos los componentes están fabricados para encajar entre ellos
- flexible: es fácil hacer cambios una vez montados

### UP. 01. MFD. FF - MANIFOLD ELBOW

- 90° elbow**  
• Female/female

- Codo 90°**  
• Hembra/hembra



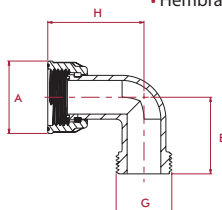
| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 01 632 | <b>41850</b> |

| A  | E  |
|----|----|
| 43 | 57 |

### UP. 01. MFD. FM - MANIFOLD ELBOW

- 90° elbow**  
• Female/male

- Codo 90°**  
• Hembra/macho



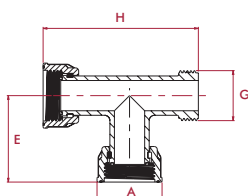
| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 01 432 | <b>41851</b> |

| A  | E  | H  |
|----|----|----|
| 43 | 46 | 57 |

### UP. 03. MFD. FFM - MANIFOLD TEE

- 90° tee**  
• Female/female/male

- Té 90°**  
• Hembra/hembra/macho



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 03 432 | <b>41852</b> |

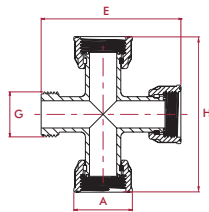
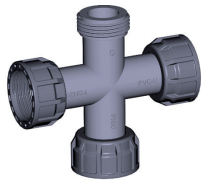
| A  | E  | H   |
|----|----|-----|
| 43 | 57 | 102 |

UP. **28.** MFD. FFFM - MANIFOLD CROSS**Cross**

• Female/female//female/male

**Cruz**

• Hembra/hembra/hembra/macho



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 28 432 | <b>41853</b> |

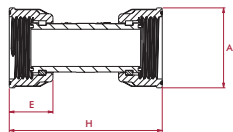
| A  | E   | H   |
|----|-----|-----|
| 43 | 103 | 114 |

UP. **05.** MFD. FF - MANIFOLD SOCKET**Socket**

• Female/female

**Manguito**

• Hembra/hembra



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 05 632 | <b>41854</b> |

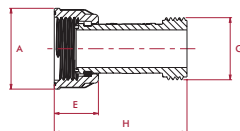
| A  | E  | H  |
|----|----|----|
| 43 | 24 | 82 |

UP. **05.** MFD. FM - MANIFOLD SOCKET**Socket**

• Female/male

**Manguito**

• Hembra/macho



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 05 432 | <b>41855</b> |

| A  | E  | H  |
|----|----|----|
| 43 | 24 | 71 |

UP. **18.** MFD. MT - MANIFOLD NIPPLE**Nipple**

• Male threaded

**Machón doble rosca**

• Roscar macho



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 18 032 | <b>41856</b> |

UP. **33.** MFD. MTR - MANIFOLD REDUCING NIPPLE**Reducing nipple**

• Male threaded

**Machón reducido**

• Roscar macho



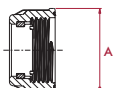
| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 33 432 | <b>41857</b> |

UP. **07.** MFD. FT - MANIFOLD CAP**Cap**

• Female thread

**Tapón**

• Roscar hembra



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 07 032 | <b>41861</b> |

| A  |
|----|
| 43 |

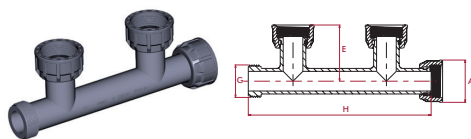
## UP. 26. MFD. 2OUT - MANIFOLD

### 2-outlet manifold

- 3 Female thread x 1 male thread

### Colector PVC-U 2 salidas

- 3 Rosca hembra x 1 rosca macho



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 26 232 | <b>41858</b> |

| A  | E  | H   |
|----|----|-----|
| 43 | 57 | 186 |

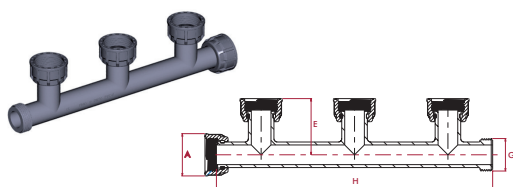
## UP. 26. MFD. 3OUT - MANIFOLD

### 3-outlet manifold

- 4 Female thread x 1 male thread

### Colector PVC-U 3 salidas

- 4 Rosca hembra x 1 rosca macho



| G  | PN | REF.      | CODE         |
|----|----|-----------|--------------|
| 1" | 10 | 72 26 332 | <b>41859</b> |

| A  | E  | H   |
|----|----|-----|
| 43 | 57 | 281 |

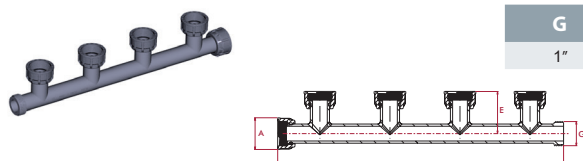
## UP. 26. MFD. 4OUT - MANIFOLD

### 4-outlet manifold

- 5 Female thread x 1 male thread

### Colector PVC-U 4 salidas

- 5 Rosca hembra x 1 rosca macho



| G  | DN | PN | REF.      | CODE         |
|----|----|----|-----------|--------------|
| 1" | 20 | 10 | 72 26 432 | <b>41860</b> |

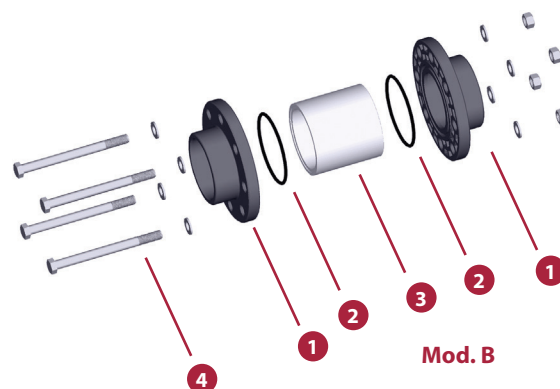
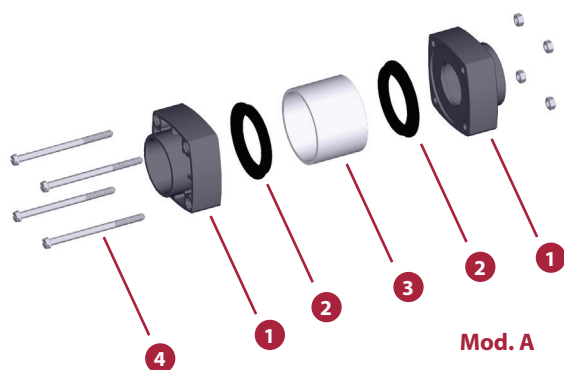
| A  | E  | H   |
|----|----|-----|
| 43 | 57 | 388 |

## SIGHT GLASSES

### VISORES DE LÍQUIDOS

- Element necessary to show the passage of liquid through an installation, as well as the visualization of the state of the liquid (degree of turbidity).
- Two models available, with the viewer in different materials (PMMA or SAN).

- Elemento necesario para mostrar el paso de líquido por una instalación, así como la visualización del estado del líquido (grado de turbidez).
- Dos modelos disponibles, con el visor en distintos materiales (PMMA o SAN).

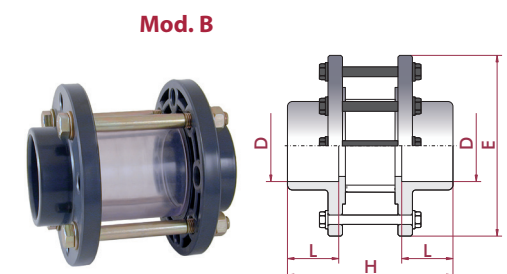
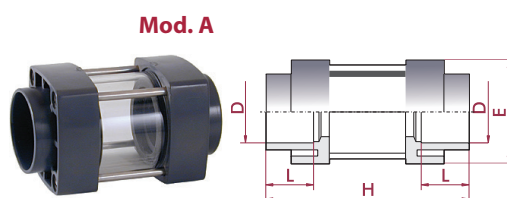


| FIG. | Parts          | Despiece         | Material          |
|------|----------------|------------------|-------------------|
| 1    | Union / flange | Manguito / brida | PVC-U             |
| 2    | O-ring         | Junta            | EPDM              |
| 3    | Viewer         | Visor            | PMMA / SAN        |
| 4    | Bolts          | Tornillos        | Zinc plated steel |

### UP. 54. SF

- Material:  
D50 - D63: PMMA (Mod. A)  
D75 - D225: SAN (Mod. B)
- 4 bolts
- Female solvent socket
- Metric series

- Material:  
D50 - D63: PMMA (Mod. A)  
D75 - D225: SAN (Mod. B)
- 4 tornillos
- Encolar hembra
- Serie métrica



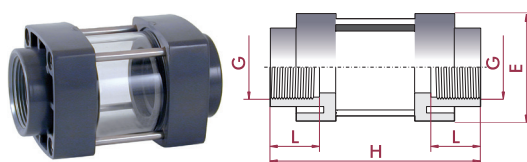
| D   | DN  | PN | REF.      | CODE         |
|-----|-----|----|-----------|--------------|
| 50  | 40  | 6  | 05 54 050 | <b>02387</b> |
| 63  | 50  | 6  | 05 54 063 | <b>02388</b> |
| 75  | 65  | 10 | 05 54 075 | <b>02389</b> |
| 90  | 80  | 10 | 05 54 090 | <b>02390</b> |
| 110 | 100 | 10 | 05 54 110 | <b>02391</b> |
| 125 | 110 | 10 | 05 54 125 | <b>02392</b> |
| 140 | 125 | 10 | 05 54 140 | <b>02393</b> |
| 160 | 150 | 10 | 05 54 160 | <b>02394</b> |
| 200 | 175 | 10 | 05 54 200 | <b>02395</b> |
| 225 | 200 | 10 | 05 54 225 | <b>02396</b> |

| L   | H   | E   | Mod. |
|-----|-----|-----|------|
| 31  | 125 | 80  | A    |
| 38  | 154 | 92  | A    |
| 44  | 165 | 185 | B    |
| 51  | 180 | 200 | B    |
| 61  | 250 | 220 | B    |
| 69  | 280 | 230 | B    |
| 76  | 310 | 250 | B    |
| 86  | 360 | 285 | B    |
| 106 | 420 | 315 | B    |
| 119 | 500 | 340 | B    |

### UP. 54. FT

- Material: PMMA
- 4 bolts
- BSP female thread

- Material: PMMA
- 4 tornillos
- Roscar hembra BSP



| D   | DN | PN | REF.      | CODE         |
|-----|----|----|-----------|--------------|
| 1½" | 40 | 6  | 05 54 650 | <b>02397</b> |
| 2"  | 50 | 6  | 05 54 663 | <b>02398</b> |

| L  | H   | E  |
|----|-----|----|
| 31 | 130 | 80 |
| 38 | 159 | 92 |

## FLOWMETERS - ROTAMETER

### CAUDALÍMETROS - ROTÁMETROS

#### FEATURES

Flowmeters are transparent tubes with conical shape (narrow in its lower part and wider in the upper); they are installed in a perfectly vertical position along with the pipe of which we want to know the flow.

Within the tube there is a stainless steel floater, that will move upwards reaching a specific height depending on the weight of the floater and water pressure.

Thus, the greater is the flow, the higher will the floater move, marking a flow (l/h or GPM) in the scale which is stamped on the transparent tube.

- Available models from 10 to 1000 l/h (0,04 - 4,4 GPM).
- Assembly in vertical position.
- Union bushes in PVC-U.
- Tube in Styrene Methyl Methacrylate Copolymer.
- Measuring tube available in Polysulfon, Trogamid T<sup>®</sup>, etc. upon request.
- Float stops in PVDF and floats in AISI 316.
- Maximum working temperature: 55°C (131°F) according to standards VDE / VDI 3513, class 6.
- Maximum pressure 15 bar.
- Two visible scales on each meter: l/h and GPM.
- Available upon request: limit switches and transmitters.
- Applications: process control in water treatment, osmosis, heating and refrigeration systems, chemical industries, pharmaceuticals, etc.

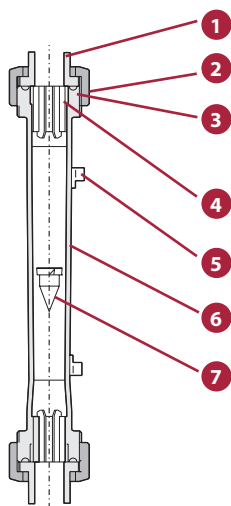
#### CARACTERÍSTICAS

Los caudalímetros son tubos transparentes con forma cónica (estrecho en su zona inferior y más ancho en su zona superior); se instalan en posición perfectamente vertical en serie con la tubería de la que se quiere conocer el caudal.

Dentro del tubo se encuentra un flotador de acero inoxidable, que se desplazará hacia arriba alcanzando una altura concreta que dependerá del peso del flotador y del empuje del agua.

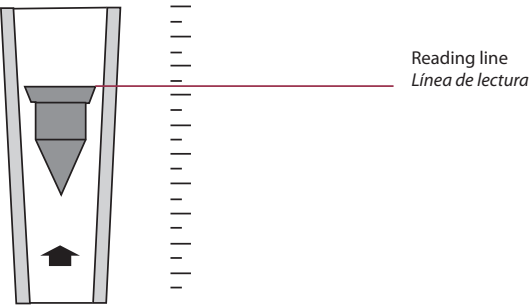
Así, cuanto mayor es el caudal, más arriba se posicionará el flotador, marcando un caudal (l/h o GPM) en la escala que se encuentra marcada en el tubo transparente.

- Modelos disponibles desde 10 hasta 1000 l/h (0,04 - 4,4 GPM).
- Montaje en posición vertical.
- Racordaje en PVC-U.
- Tubo en metacrilato de metilo.
- Bajo pedido tubo de medida disponible en Polisulfon, Trogamid T<sup>®</sup>, etc.
- Topes de flotador en PVDF.
- Flotador en AISI 316.
- Temperatura máxima de trabajo: 55°C (131°F) según normas VDE / VDI 3513, clase 6.
- Presiones hasta 15 bar.
- Doble escala visible en cada caudalímetro: l/h y GPM.
- Disponibles bajo pedido: automatismos y transmisores eléctricos.
- Aplicaciones: control de procesos en tratamiento de agua, osmosis, calefacción y refrigeración, industrias químicas, farmacéuticas, etc.



| FIG. | Parts          | Despiece        | Material     |
|------|----------------|-----------------|--------------|
| 1    | Union end      | Manguito enlace | PVC-U        |
| 2    | Union nut      | Tuerca          | PVC-U        |
| 3    | O-ring seal    | Junta tórica    | EPDM         |
| 4    | Stops          | Topes           | PVDF         |
| 5    | Indicator      | Indicador       | PE           |
| 6    | Measuring tube | Tubo de medida  | Methacrylate |
| 7    | Float          | Flotador        | AISI 316     |

OPERATION



FUNCIONAMIENTO

Chemical resistance chart  
*Tabla de resistencias químicas*

| Polymer type                  | Copolymer of styrene and methacrylate |
|-------------------------------|---------------------------------------|
| Nomenclature                  | SMMA                                  |
|                               | CHEMICAL RESISTANCE                   |
| Acetone                       | ×                                     |
| Unsaturated Oil               | ×                                     |
| Saturated Oil                 | C                                     |
| Mineral Oil                   | ✓                                     |
| Olive Oil                     | ✓                                     |
| Alcohol low molecular weight  | C                                     |
| Alcohol high molecular weight | ✓                                     |
| Diluted inorganic acid        | ✓                                     |
| Concentrated inorganic acid   | ✓                                     |
| Halogenated compound          | ×                                     |
| Gasoline                      | ×                                     |
| Benzene                       | ×                                     |
| Toluene                       | ×                                     |
| Bleach                        | ✓                                     |
| Detergent                     | ✓                                     |
| Inorganic salts               | ✓                                     |

**C:** Conditioned resistance. In some cases the material may turn yellow, loose transparency or micro fissures could appear.

**C:** Resistencia condicional. En algunos casos puede darse amarillamiento, pérdida de la transparencia o formación de micro fisuras.

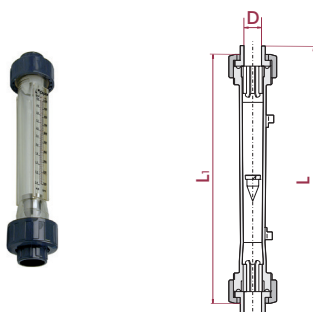
## UP. 92. SF. M - FLOWMETER

### Flowmeter

- Tube in Styrene Methyl Methacrylate Copolymer
- Female solvent socket

### Caudalímetro

- Tubo en metacrilato de metilo
- Encolar hembra



| D  | DN | REF.       | CODE         |
|----|----|------------|--------------|
| 20 | 15 | 05 92 020A | <b>20205</b> |
| 20 | 15 | 05 92 020B | <b>20206</b> |
| 20 | 15 | 05 92 020C | <b>20207</b> |
| 25 | 20 | 05 92 025A | <b>20208</b> |
| 25 | 20 | 05 92 025B | <b>20209</b> |
| 25 | 20 | 05 92 025C | <b>20210</b> |

| GPM         | I/h        | L   | L <sub>1</sub> |
|-------------|------------|-----|----------------|
| 0,04 - 0,44 | 10 - 100   | 232 | 198            |
| 0,06 - 0,66 | 16 - 160   | 232 | 198            |
| 0,1 - 1,1   | 25 - 250   | 232 | 198            |
| 0,2 - 1,8   | 40 - 400   | 232 | 198            |
| 0,3 - 2,7   | 60 - 630   | 232 | 198            |
| 0,4 - 4,4   | 100 - 1000 | 232 | 198            |

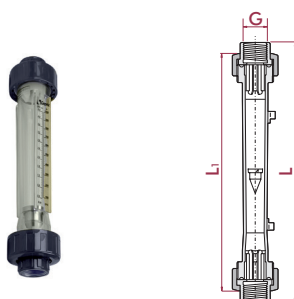
## UP. 92. FT. M - FLOWMETER

### Flowmeter

- Tube in Styrene Methyl Methacrylate Copolymer
- BSP female thread

### Caudalímetro

- Tubo en metacrilato de metilo
- Roscar hembra BSP



| G    | DN | REF.       | CODE         |
|------|----|------------|--------------|
| 1/2" | 15 | 05 92 620A | <b>20211</b> |
| 1/2" | 15 | 05 92 620B | <b>20212</b> |
| 1/2" | 15 | 05 92 620C | <b>20213</b> |
| 3/4" | 20 | 05 92 625A | <b>20214</b> |
| 3/4" | 20 | 05 92 625B | <b>20215</b> |
| 3/4" | 20 | 05 92 625C | <b>20216</b> |

| GPM         | I/h        | L   | L <sub>1</sub> |
|-------------|------------|-----|----------------|
| 0,04 - 0,44 | 10 - 100   | 232 | 198            |
| 0,06 - 0,66 | 16 - 160   | 232 | 198            |
| 0,1 - 1,1   | 25 - 250   | 232 | 198            |
| 0,2 - 1,8   | 40 - 400   | 232 | 198            |
| 0,3 - 2,7   | 60 - 630   | 232 | 198            |
| 0,4 - 4,4   | 100 - 1000 | 232 | 198            |

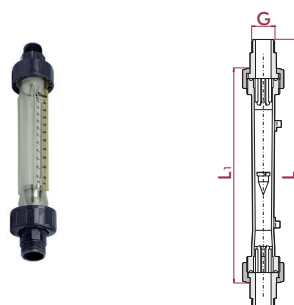
## UP. 92. MT. M - FLOWMETER

### Flowmeter

- Tube in Styrene Methyl Methacrylate Copolymer
- BSP male thread

### Caudalímetro

- Tubo en metacrilato de metilo
- Roscar macho BSP



| G    | DN | REF.       | CODE         |
|------|----|------------|--------------|
| 1/2" | 15 | 05 92 420A | <b>20217</b> |
| 1/2" | 15 | 05 92 420B | <b>20218</b> |
| 1/2" | 15 | 05 92 420C | <b>20219</b> |
| 3/4" | 20 | 05 92 425A | <b>20220</b> |
| 3/4" | 20 | 05 92 425B | <b>20221</b> |
| 3/4" | 20 | 05 92 425C | <b>20222</b> |

| GPM         | I/h        | L   | L <sub>1</sub> |
|-------------|------------|-----|----------------|
| 0,04 - 0,44 | 10 - 100   | 249 | 198            |
| 0,06 - 0,66 | 16 - 160   | 249 | 198            |
| 0,1 - 1,1   | 25 - 250   | 249 | 198            |
| 0,2 - 1,8   | 40 - 400   | 252 | 198            |
| 0,3 - 2,7   | 60 - 630   | 252 | 198            |
| 0,4 - 4,4   | 100 - 1000 | 252 | 198            |

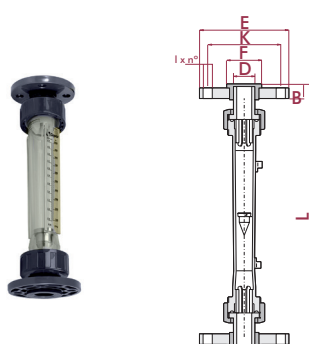
## UP. 92. FLG. M - FLOWMETER

### Flowmeter

- Tube in Styrene Methyl Methacrylate Copolymer
- With flanges

### Caudalímetro

- Tubo en metacrilato de metilo
- Con bridas



| D  | DN | REF.       | CODE         |
|----|----|------------|--------------|
| 20 | 15 | 05 92 220A | <b>20223</b> |
| 20 | 15 | 05 92 220B | <b>20224</b> |
| 20 | 15 | 05 92 220C | <b>20225</b> |
| 25 | 20 | 05 92 225A | <b>20226</b> |
| 25 | 20 | 05 92 225B | <b>20227</b> |
| 25 | 20 | 05 92 225C | <b>20228</b> |

| GPM         | I/h        | E   | K  | F  | I x n° | B  | L   |
|-------------|------------|-----|----|----|--------|----|-----|
| 0,04 - 0,44 | 10 - 100   | 95  | 65 | 45 | 14x4   | 12 | 257 |
| 0,06 - 0,66 | 16 - 160   | 95  | 65 | 45 | 14x4   | 12 | 257 |
| 0,1 - 1,1   | 25 - 250   | 95  | 65 | 45 | 14x4   | 12 | 257 |
| 0,2 - 1,8   | 40 - 400   | 105 | 75 | 58 | 14x4   | 13 | 260 |
| 0,3 - 2,7   | 60 - 630   | 105 | 75 | 58 | 14x4   | 13 | 260 |
| 0,4 - 4,4   | 100 - 1000 | 105 | 75 | 58 | 14x4   | 13 | 260 |



## SOLVENT CEMENT / CLEANER / PTFE TAPE

### ADHESIVOS / DISOLVENTES / CINTA DE PTFE

#### NOTES ABOUT THE SOLVENT

- Carry out an accurate turnover of the stock as the solvent cement can lose the original characteristics after 12 months of its manufacture.
- Stock in a dry and fresh place.
- Please, read the instructions of use.
- Different solvent cements for PVC-U and PVC-C (read the description).
- If you want to read the solvent socket recommendations, please refer to Pipe installation Section

#### NOTAS SOBRE EL ADHESIVO

- Realizar una correcta rotación del stock ya que el adhesivo puede perder sus características originales a partir de los 12 meses de su fabricación.
- Almacenar en un lugar seco y fresco.
- Ver las normas de utilización del envase.
- Adhesivos diferenciados para PVC-U y PVC-C (ver descripción).
- Para ver las recomendaciones de instalación con adhesivo, consulte la Sección de Instalación de tubería.

**Average joints for 1.000 cm<sup>3</sup> of solvent cement**  
**Nº aproximado de encoladuras efectuadas con 1.000 cm<sup>3</sup> de adhesivo**

| Ø of pipe<br>Ø de tubo            | 16  | 20  | 25  | 32  | 40  | 50  | 63 | 75 | 90 | 110 | 125 | 140 | 160 | 200 | 225 | 250 | 315 | 400 |
|-----------------------------------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Nº of joints<br>Nº de encoladuras | 390 | 375 | 300 | 250 | 200 | 110 | 80 | 55 | 40 | 25  | 22  | 18  | 11  | 7   | 5   | 4   | 3   | 2   |

## UP. 90. SC

CEPEX PVC-U solvent cement

Adhesivo PVC-U CEPEX



| Size   Medida                          | Vol.                  | REF.      | CODE  |
|----------------------------------------|-----------------------|-----------|-------|
| Tub   Tubo                             | 125 cm <sup>3</sup>   | 05 90 012 | 02429 |
| Can with paint brush   Bote con pincel | 250 cm <sup>3</sup>   | 05 90 026 | 02430 |
| Can   Bote                             | 500 cm <sup>3</sup>   | 05 90 050 | 02427 |
| Can with paint brush   Bote con pincel | 500 cm <sup>3</sup>   | 05 90 051 | 09043 |
| Can   Bote                             | 1.000 cm <sup>3</sup> | 05 90 100 | 02426 |
| Can with paint brush   Bote con pincel | 1.000 cm <sup>3</sup> | 05 90 101 | 09044 |

## UP. 90. TSC

TANGIT solvent cement PVC-U

Adhesivo TANGIT PVC-U



| Size   Medida                          | Vol.                  | REF.      | CODE  |
|----------------------------------------|-----------------------|-----------|-------|
| Can with paint brush   Bote con pincel | 500 cm <sup>3</sup>   | 05 90 350 | 02434 |
| Can   Bote                             | 1.000 cm <sup>3</sup> | 05 90 400 | 02433 |

## UP. 90. SCU

UNI-100 solvent cement PVC-U

Adhesivo UNI-100 PVC-U



| Size   Medida                          | Vol.                  | REF.          | CODE  |
|----------------------------------------|-----------------------|---------------|-------|
| Can with paint brush   Bote con pincel | 500 cm <sup>3</sup>   | 05 90 051 UNI | 52706 |
| Can with paint brush   Bote con pincel | 1.000 cm <sup>3</sup> | 05 90 101 UNI | 52707 |

## UP. 90. SCH

HCR-36 solvent cement PVC-U / PVC-C

• High chemical resistance

Adhesivo HCR-36 PVC-U / PVC-C

• Alta resistencia química



| Size   Medida                          | Vol.                  | REF.          | CODE  |
|----------------------------------------|-----------------------|---------------|-------|
| Can with paint brush   Bote con pincel | 1.000 cm <sup>3</sup> | 05 90 100 HCR | 52711 |

Sulphuric acid: concentrations > 70%  
 Hydrochloric acid: concentrations > 25%  
 Nitric acid: concentrations > 20%  
 Lyes (caustic soda): concentrations > 35%  
 Fluoric acid: any concentration  
 Sodium hypochlorite: active chlorine content > 7.5%

## CP. 90. SCH - PVC-C SOLVENT CEMENT

HT-120 solvent cement PVC-C

Adhesivo HT-120 PVC-C



| Size   Medida                          | REF.   | CODE      |
|----------------------------------------|--------|-----------|
| Can with paint brush   Bote con pincel | 500 cc | 36 90 051 |
|                                        |        | 52708     |

## UP. 90. CL

Cleaner

Disolvente



| Size   Medida | Vol.                  | REF.      | CODE         |
|---------------|-----------------------|-----------|--------------|
| Can   Bote    | 500 cm <sup>3</sup>   | 05 90 250 | <b>02432</b> |
| Can   Bote    | 1.000 cm <sup>3</sup> | 05 90 300 | <b>02431</b> |

## UP. 90. TF

PTFE thread-wrap tape

Cinta de PTFE



| Thickness<br>Gruoso | Width<br>Anchura | Length<br>Largo | REF.      | CODE         |
|---------------------|------------------|-----------------|-----------|--------------|
| 0,075 mm            | 12 mm            | 12 m            | 05 90 500 | <b>02435</b> |
| 0,10 mm             | 19 mm            | 50 m            | 05 90 550 | <b>02436</b> |



## BRITISH STANDARD SERIES

|                                                               |           |          |
|---------------------------------------------------------------|-----------|----------|
| <b>ELBOWS</b><br><i>CODOS</i>                                 | <b>01</b> | PAG. 113 |
| <b>TEES</b><br><i>TÉS</i>                                     | <b>02</b> | PAG. 114 |
| <b>SOCKETS AND REDUCERS</b><br><i>MANGUITOS Y REDUCCIONES</i> | <b>03</b> | PAG. 114 |
| <b>FLANGES</b><br><i>BRIDAS</i>                               | <b>04</b> | PAG. 115 |
| <b>CAPS</b><br><i>TAPONES</i>                                 | <b>05</b> | PAG. 116 |
| <b>NIPPLES</b><br><i>MACHONES</i>                             | <b>06</b> | PAG. 116 |
| <b>UNIONS</b><br><i>ENLACES 3 PIEZAS</i>                      | <b>07</b> | PAG. 117 |
| <b>SIGHT GLASSES</b><br><i>VISORES DE LÍQUIDOS</i>            | <b>08</b> | PAG. 120 |

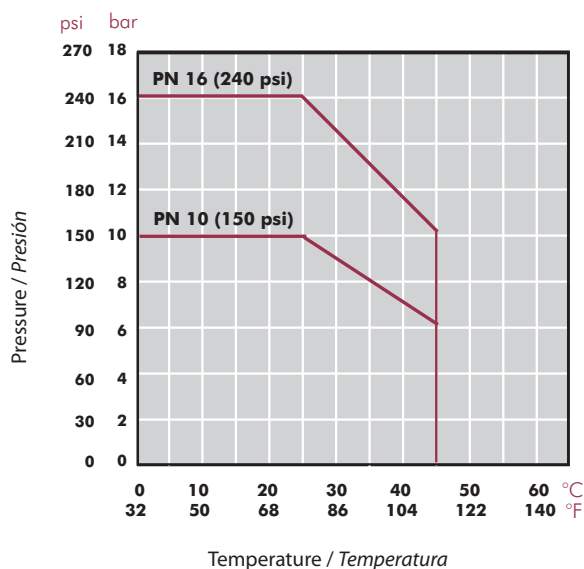
## TECHNICAL CHARACTERISTICS

### CARACTERÍSTICAS TÉCNICAS

| Unions<br><i>Uniones</i>        | Sizes<br><i>Medidas</i> | Working pressure at 20°C<br><i>Presión de servicio a 20°C</i> |
|---------------------------------|-------------------------|---------------------------------------------------------------|
| Solvent socket / <i>Encolar</i> | 1/2" - 4"               | PN 16 (240 psi)                                               |
| Threaded / <i>Roscar</i>        | 1/2" - 2"               | PN 10 (150 ps)                                                |

## PRESSURE / TEMPERATURE GRAPH

### DIAGRAMA PRESIÓN / TEMPERATURA



Life: 50 years  
Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

Vida útil: 50 años  
Presión hidrostática máxima que un componente es capaz de soportar en servicio continuo (sin sobrepresión)

## TOLERANCE CHART

### TABLA TOLERANCIAS

| DN     | Minimum diameter<br><i>Diámetro mínimo</i> | Maximum diameter<br><i>Diámetro máximo</i> |
|--------|--------------------------------------------|--------------------------------------------|
| 3/8"   | 17.1                                       | 17.3                                       |
| 1/2"   | 21.3                                       | 21.5                                       |
| 3/4"   | 26.7                                       | 26.9                                       |
| 1"     | 33.5                                       | 33.7                                       |
| 1 1/4" | 42.2                                       | 42.4                                       |
| 1 1/2" | 48.2                                       | 48.4                                       |
| 2"     | 60.3                                       | 60.5                                       |
| 2 1/2" | 75.1                                       | 75.3                                       |
| 3"     | 88.8                                       | 89.1                                       |
| 4"     | 114.2                                      | 114.5                                      |
| 5"     | 140.1                                      | 140.4                                      |
| 6"     | 168.2                                      | 168.5                                      |
| 7"     | 193.7                                      | 194.0                                      |
| 8"     | 219.0                                      | 219.4                                      |

## ELBOWS

### CODOS

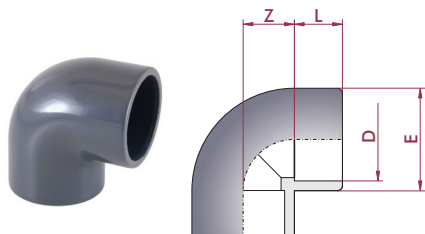
#### UP. 01. SF. BS - 90° ELBOW BS

##### 90° elbow

- Female solvent socket
- British Standard Series

##### Codo 90°

- Encolar hembra
- Serie British Standard



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| ½"  | 15  | 16 | 05 01 901 <sup>4</sup> | <b>07137</b> |
| ¾"  | 20  | 16 | 05 01 902 <sup>4</sup> | <b>07138</b> |
| 1"  | 25  | 16 | 05 01 903 <sup>4</sup> | <b>07139</b> |
| 1¼" | 32  | 16 | 05 01 904              | <b>07140</b> |
| 1½" | 40  | 16 | 05 01 905 <sup>4</sup> | <b>07141</b> |
| 2"  | 50  | 16 | 05 01 906 <sup>4</sup> | <b>07142</b> |
| 2½" | 65  | 16 | 05 01 075 <sup>M</sup> | <b>01718</b> |
| 3"  | 80  | 16 | 05 01 908 <sup>4</sup> | <b>07144</b> |
| 4"  | 100 | 16 | 05 01 910              | <b>07145</b> |

| L  | Z  | E   |
|----|----|-----|
| 16 | 11 | 27  |
| 19 | 14 | 33  |
| 22 | 17 | 41  |
| 26 | 21 | 50  |
| 31 | 26 | 61  |
| 38 | 33 | 76  |
| 44 | 39 | 90  |
| 51 | 46 | 108 |
| 61 | 56 | 131 |

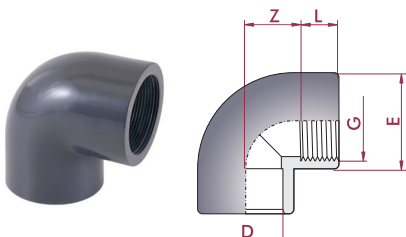
#### UP. 01. SFT. BS - 90° ELBOW BS

##### 90° adaptor elbow

- Female solvent socket & BSP female thread
- British Standard series

##### Codo 90° mixto

- Encolar hembra y roscar hembra BSP
- Serie British Standard



| D x G     | DN | PN | REF.      | CODE         |
|-----------|----|----|-----------|--------------|
| ½" x ½"   | 15 | 10 | 05 01 931 | <b>07146</b> |
| ¾" x ¾"   | 20 | 10 | 05 01 932 | <b>07147</b> |
| 1" x 1"   | 25 | 10 | 05 01 933 | <b>07148</b> |
| 1¼" x 1¼" | 32 | 10 | 05 01 934 | <b>07149</b> |
| 1½" x 1½" | 40 | 10 | 05 01 935 | <b>07150</b> |
| 2" x 2"   | 50 | 10 | 05 01 936 | <b>07151</b> |

| L  | Z  | E  |
|----|----|----|
| 14 | 11 | 27 |
| 16 | 14 | 33 |
| 19 | 17 | 41 |
| 20 | 21 | 50 |
| 20 | 26 | 61 |
| 24 | 33 | 76 |

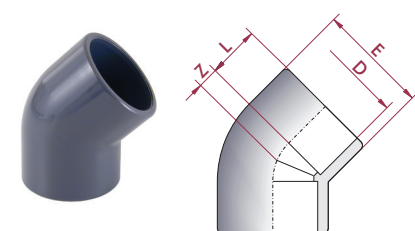
#### UP. 02. SF. BS - 45° ELBOW BS

##### 45° elbow

- Female solvent socket
- British Standard series

##### Codo 45°

- Encolar hembra
- Serie British Standard



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| ½"  | 15  | 16 | 05 02 901 <sup>4</sup> | <b>07152</b> |
| ¾"  | 20  | 16 | 05 02 902 <sup>4</sup> | <b>07153</b> |
| 1"  | 25  | 16 | 05 02 903 <sup>4</sup> | <b>07154</b> |
| 1¼" | 32  | 16 | 05 02 904              | <b>07155</b> |
| 1½" | 40  | 16 | 05 02 905 <sup>4</sup> | <b>07156</b> |
| 2"  | 50  | 16 | 05 02 906 <sup>4</sup> | <b>07157</b> |
| 2½" | 65  | 16 | 05 02 075 <sup>M</sup> | <b>01752</b> |
| 3"  | 80  | 16 | 05 02 908 <sup>4</sup> | <b>07159</b> |
| 4"  | 100 | 16 | 05 02 910              | <b>07160</b> |

| L  | Z  | E   |
|----|----|-----|
| 16 | 5  | 28  |
| 19 | 6  | 35  |
| 22 | 8  | 43  |
| 26 | 10 | 52  |
| 31 | 12 | 61  |
| 38 | 14 | 76  |
| 44 | 17 | 93  |
| 51 | 20 | 109 |
| 61 | 24 | 133 |

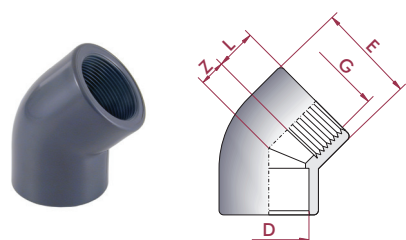
#### UP. 02. SFT. BS - 45° ELBOW BS

##### 45° adaptor elbow

- Female solvent socket & BSP female thread
- British Standard series

##### Codo 45° mixto

- Encolar hembra y roscar hembra BSP
- Serie British Standard



| D x G     | DN | PN | REF.      | CODE         |
|-----------|----|----|-----------|--------------|
| ½" x ½"   | 15 | 10 | 05 02 931 | <b>07161</b> |
| ¾" x ¾"   | 20 | 10 | 05 02 932 | <b>07162</b> |
| 1" x 1"   | 25 | 10 | 05 02 933 | <b>07163</b> |
| 1¼" x 1¼" | 32 | 10 | 05 02 934 | <b>07164</b> |
| 1½" x 1½" | 40 | 10 | 05 02 935 | <b>07165</b> |
| 2" x 2"   | 50 | 10 | 05 02 936 | <b>07166</b> |

| L  | Z  | E  |
|----|----|----|
| 14 | 5  | 28 |
| 16 | 6  | 34 |
| 19 | 8  | 43 |
| 20 | 10 | 54 |
| 20 | 12 | 63 |
| 24 | 14 | 78 |

<sup>4</sup> Kitemark

## TEES

### TÉS

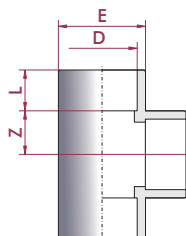
#### UP. 03. SF. BS - 90° TEE BS

##### 90° tee

- Female solvent socket
- British Standard series

##### Té 90°

- Encolar hembra
- Serie British Standard



| D      | DN | PN | REF.                   | CODE         |
|--------|----|----|------------------------|--------------|
| 1/2"   | 15 | 16 | 05 03 901 <sup>4</sup> | <b>07167</b> |
| 3/4"   | 20 | 16 | 05 03 902 <sup>4</sup> | <b>07168</b> |
| 1"     | 25 | 16 | 05 03 903 <sup>4</sup> | <b>07169</b> |
| 1 1/4" | 32 | 16 | 05 03 904              | <b>07170</b> |
| 1 1/2" | 40 | 16 | 05 03 905 <sup>4</sup> | <b>07171</b> |
| 2"     | 50 | 16 | 05 03 906 <sup>4</sup> | <b>07172</b> |
| 2 1/2" | 65 | 16 | 05 03 075 <sup>M</sup> | <b>01786</b> |
| 3"     | 75 | 16 | 05 03 908 <sup>4</sup> | <b>07174</b> |
| 4"     | 80 | 16 | 05 03 910              | <b>07175</b> |

| L  | Z  | E   |
|----|----|-----|
| 16 | 11 | 27  |
| 19 | 14 | 33  |
| 22 | 17 | 41  |
| 26 | 21 | 50  |
| 31 | 26 | 61  |
| 38 | 33 | 71  |
| 44 | 39 | 90  |
| 51 | 46 | 108 |
| 61 | 56 | 131 |

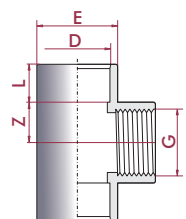
#### UP. 03. SFT. BS - 90° TEE BS

##### 90° adaptor tee

- Female solvent socket & BSP female thread
- British Standard series

##### Té 90° mixta

- Encolar hembra y roscar hembra BSP
- Serie British Standard



| D x G           | DN | PN | REF.      | CODE         |
|-----------------|----|----|-----------|--------------|
| 1/2" x 1/2"     | 15 | 10 | 05 03 931 | <b>07176</b> |
| 3/4" x 3/4"     | 20 | 10 | 05 03 932 | <b>07177</b> |
| 1" x 1"         | 25 | 10 | 05 03 933 | <b>07178</b> |
| 1 1/4" x 1 1/4" | 32 | 10 | 05 03 934 | <b>07179</b> |
| 1 1/2" x 1 1/2" | 40 | 10 | 05 03 935 | <b>07180</b> |
| 2" x 2"         | 50 | 10 | 05 03 936 | <b>07181</b> |

| L  | Z  | E  |
|----|----|----|
| 14 | 11 | 27 |
| 16 | 14 | 33 |
| 19 | 17 | 41 |
| 20 | 21 | 50 |
| 20 | 26 | 61 |
| 24 | 33 | 76 |

## SOCKETS

### MANGUITOS UNIÓN

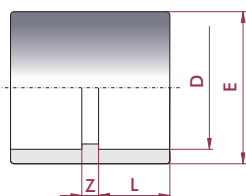
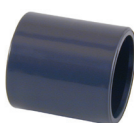
#### UP. 05. SF. BS - SOCKET BS

##### Socket

- Female solvent socket
- British Standard series

##### Manguito unión

- Encolar hembra
- Serie British Standard



| D      | DN  | PN | REF.                   | CODE         |
|--------|-----|----|------------------------|--------------|
| 1/2"   | 15  | 16 | 05 05 901 <sup>4</sup> | <b>07182</b> |
| 3/4"   | 20  | 16 | 05 05 902 <sup>4</sup> | <b>07183</b> |
| 1"     | 25  | 16 | 05 05 903 <sup>4</sup> | <b>07184</b> |
| 1 1/4" | 32  | 16 | 05 05 904              | <b>07185</b> |
| 1 1/2" | 40  | 16 | 05 05 905 <sup>4</sup> | <b>07186</b> |
| 2"     | 50  | 16 | 05 05 906 <sup>4</sup> | <b>07187</b> |
| 2 1/2" | 65  | 16 | 05 05 075 <sup>M</sup> | <b>01878</b> |
| 3"     | 80  | 16 | 05 05 908 <sup>4</sup> | <b>07189</b> |
| 4"     | 100 | 16 | 05 05 910              | <b>07190</b> |

| L  | Z | E   |
|----|---|-----|
| 16 | 3 | 27  |
| 19 | 3 | 33  |
| 22 | 3 | 41  |
| 26 | 3 | 50  |
| 31 | 3 | 61  |
| 38 | 3 | 75  |
| 44 | 4 | 90  |
| 51 | 5 | 108 |
| 61 | 6 | 131 |

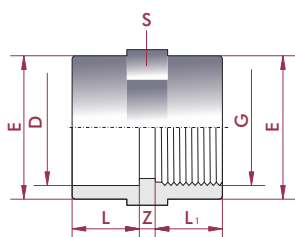
#### UP. 05. SFT. BS - SOCKET BS

##### Adaptor socket

- Female solvent socket & BSP female thread
- British Standard series

##### Manguito unión mixto

- Encolar hembra y roscar hembra BSP
- Serie British Standard



| D x G           | DN | PN | REF.                   | CODE         |
|-----------------|----|----|------------------------|--------------|
| 1/2" x 1/2"     | 15 | 10 | 05 05 931              | <b>07191</b> |
| 3/4" x 3/4"     | 20 | 10 | 05 05 932              | <b>07192</b> |
| 1" x 1"         | 25 | 10 | 05 05 933              | <b>07193</b> |
| 1 1/4" x 1 1/4" | 32 | 10 | 05 05 934              | <b>07194</b> |
| 1 1/2" x 1 1/2" | 40 | 10 | 05 05 935              | <b>07195</b> |
| 2" x 2"         | 50 | 10 | 05 05 936              | <b>07196</b> |
| 2 1/2" x 2 1/2" | 65 | 10 | 05 05 475 <sup>M</sup> | <b>01895</b> |

| L  | L <sub>1</sub> | Z | E  | S  |
|----|----------------|---|----|----|
| 16 | 14             | 3 | 27 | 27 |
| 19 | 16             | 3 | 33 | 33 |
| 22 | 19             | 3 | 41 | 41 |
| 26 | 20             | 3 | 50 | 50 |
| 31 | 20             | 3 | 61 | 61 |
| 38 | 24             | 3 | 75 | 75 |
| 44 | 44             | 4 | 90 | 90 |

<sup>4</sup> Kitemark



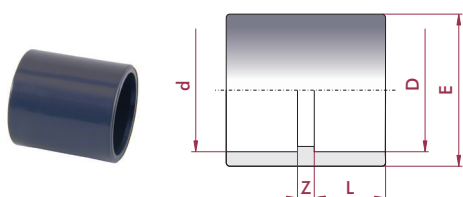
## UP. 27. SF. MBS - ADAPTOR SOCKET METRIC - BS

### Metric/BS adaptor socket

- Female solvent socket
- British Standard - Metric series

### Manguito adaptador métrico/BS

- Encolar hembra
- Serie British Standard - Métrica



| D x d       | DN  | PN | REF.      | CODE         |
|-------------|-----|----|-----------|--------------|
| 20 x 1/2"   | 15  | 16 | 05 27 901 | <b>07229</b> |
| 25 x 3/4"   | 20  | 16 | 05 27 902 | <b>07230</b> |
| 32 x 1"     | 25  | 16 | 05 27 903 | <b>07231</b> |
| 40 x 1 1/4" | 32  | 16 | 05 27 904 | <b>07232</b> |
| 50 x 1 1/2" | 40  | 16 | 05 27 905 | <b>07233</b> |
| 63 x 2"     | 50  | 16 | 05 27 906 | <b>07234</b> |
| 90 x 3"     | 80  | 16 | 05 27 908 | <b>07236</b> |
| 110 x 4"    | 100 | 16 | 05 27 910 | <b>07237</b> |

| L  | Z | E   |
|----|---|-----|
| 16 | 3 | 27  |
| 19 | 3 | 33  |
| 22 | 3 | 41  |
| 26 | 3 | 50  |
| 31 | 3 | 61  |
| 38 | 3 | 75  |
| 51 | 5 | 108 |
| 61 | 6 | 135 |

## REDUCERS

## REDUCCIONES

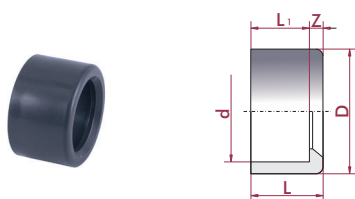
## UP. 06. SMF. BS - REDUCING BUSH BS

### Reducing bush

- Male x female solvent socket
- British Standard series

### Casquillo reducción

- Encolar macho x hembra
- Serie British Standard



| D x d           | DN | PN | REF.                   | CODE         |
|-----------------|----|----|------------------------|--------------|
| 3/4" x 1/2"     | 15 | 16 | 05 06 920 <sup>4</sup> | <b>07198</b> |
| 1" x 3/4"       | 20 | 16 | 05 06 930 <sup>4</sup> | <b>07199</b> |
| 1" x 1/2"       | 15 | 16 | 05 06 931 <sup>4</sup> | <b>07200</b> |
| 1 1/4" x 1"     | 25 | 16 | 05 06 940              | <b>07201</b> |
| 1 1/4" x 3/4"   | 20 | 16 | 05 06 941              | <b>07202</b> |
| 1 1/2" x 1 1/4" | 32 | 16 | 05 06 950              | <b>07203</b> |
| 1 1/2" x 1"     | 25 | 16 | 05 06 951              | <b>07204</b> |
| 2" x 1 1/2"     | 40 | 16 | 05 06 960 <sup>4</sup> | <b>07205</b> |
| 2 1/2" x 2"     | 50 | 16 | 05 06 970 <sup>4</sup> | <b>07206</b> |
| 3" x 2 1/2"     | 65 | 16 | 05 06 980 <sup>4</sup> | <b>07207</b> |
| 4" x 3"         | 80 | 16 | 05 06 990              | <b>07208</b> |

| L  | L <sub>1</sub> | Z  |
|----|----------------|----|
| 19 | 16             | 3  |
| 22 | 19             | 3  |
| 22 | 16             | 6  |
| 26 | 22             | 4  |
| 26 | 19             | 7  |
| 31 | 26             | 5  |
| 31 | 22             | 9  |
| 38 | 31             | 7  |
| 44 | 38             | 6  |
| 51 | 44             | 7  |
| 61 | 51             | 10 |

## FLANGES

## BRIDAS

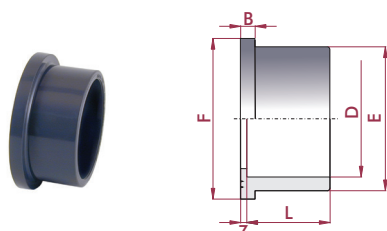
## UP. 10. SF. BS - FLANGE ADAPTOR BS

### PVC-U flange adaptor (sub flange)

- Female solvent socket
- British Standard series
- To check the dimensions of flanges, see UP. 11. FLG in the Metric series chapter.

### Manguito portabridas PVC-U

- Encolar hembra
- Serie British Standard
- Dimensiones de las bridas: ver UP. 11. FLG en el apartado de medida métrica



| D      | DN  | PN | REF.                   | CODE         |
|--------|-----|----|------------------------|--------------|
| 2"     | 50  | 16 | 05 10 906 <sup>4</sup> | <b>07804</b> |
| 2 1/2" | 65  | 16 | 05 10 075 <sup>M</sup> | <b>02022</b> |
| 3"     | 80  | 16 | 05 10 908 <sup>4</sup> | <b>07218</b> |
| 4"     | 100 | 16 | 05 10 910              | <b>07219</b> |
| 5"     | 125 | 16 | 05 10 140 <sup>M</sup> | <b>02026</b> |
| 6"     | 150 | 10 | 05 10 914              | <b>07221</b> |
| 8"     | 200 | 10 | 05 10 917              | <b>07222</b> |

| L   | Z | B  | E   | F   |
|-----|---|----|-----|-----|
| 38  | 3 | 9  | 76  | 90  |
| 44  | 3 | 10 | 90  | 106 |
| 51  | 5 | 11 | 108 | 125 |
| 61  | 5 | 12 | 131 | 150 |
| 76  | 5 | 14 | 165 | 188 |
| 86  | 5 | 16 | 188 | 213 |
| 119 | 6 | 25 | 248 | 274 |

<sup>4</sup> Kitemark

## CAPS

### TAPONES

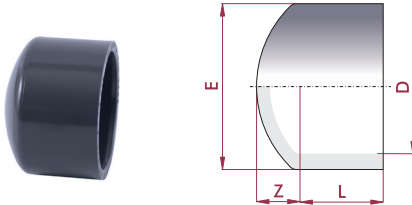
#### UP. 07. SF. BS - CAP BS

##### Cap

- Female solvent socket
- British Standard series

##### Tapón

- Encolar hembra
- Serie British Standard



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| ½"  | 15  | 16 | 05 07 901 <sup>4</sup> | <b>07209</b> |
| ¾"  | 20  | 16 | 05 07 902 <sup>4</sup> | <b>07210</b> |
| 1"  | 25  | 16 | 05 07 903 <sup>4</sup> | <b>07211</b> |
| 1¼" | 32  | 16 | 05 07 904              | <b>07212</b> |
| 1½" | 40  | 16 | 05 07 905 <sup>4</sup> | <b>07213</b> |
| 2"  | 50  | 16 | 05 07 906 <sup>4</sup> | <b>07214</b> |
| 2½" | 65  | 16 | 05 07 075 <sup>M</sup> | <b>01949</b> |
| 3"  | 80  | 16 | 05 07 908 <sup>4</sup> | <b>07216</b> |
| 4"  | 100 | 16 | 05 07 910              | <b>07803</b> |

| L  | Z  | E   |
|----|----|-----|
| 16 | 8  | 26  |
| 19 | 9  | 33  |
| 22 | 10 | 40  |
| 26 | 12 | 50  |
| 31 | 15 | 63  |
| 38 | 17 | 75  |
| 44 | 19 | 90  |
| 51 | 23 | 110 |
| 61 | 28 | 131 |

## NIPPLES

### MACHONES

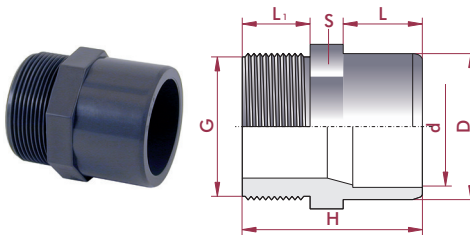
#### UP. 15. SFMT. BS - ADAPTOR NIPPLE BS

##### Adaptor nipple

- Female/male solvent socket & BSP male thread
- British Standard series

##### Machón mixto

- Encolar hembra/macho y roscar macho BSP
- Serie British Standard



| D - d x G       | DN | PN | REF.                   | CODE         |
|-----------------|----|----|------------------------|--------------|
| ½" - ¾" x ½"    | 15 | 10 | 05 15 931              | <b>07238</b> |
| ¾" - 1" x ¾"    | 20 | 10 | 05 15 932              | <b>07239</b> |
| 1" - 1¼" x 1"   | 25 | 10 | 05 15 933              | <b>07240</b> |
| 1¼" - 1½" x 1¼" | 32 | 10 | 05 15 934              | <b>07241</b> |
| 1½" - 1¾" x 1½" | 40 | 10 | 05 15 935              | <b>07242</b> |
| 2" - 2½" x 2"   | 50 | 10 | 05 15 936              | <b>07243</b> |
| 2½" - 3" x 2½"  | 65 | 10 | 05 15 475 <sup>M</sup> | <b>02091</b> |
| 3" - 3½" x 3"   | 80 | 10 | 05 15 938              | <b>07245</b> |

| L  | L1 | H  | S  |
|----|----|----|----|
| 16 | 14 | 42 | 27 |
| 19 | 16 | 47 | 32 |
| 22 | 19 | 54 | 36 |
| 26 | 21 | 60 | 46 |
| 31 | 25 | 70 | 55 |
| 38 | 25 | 78 | 65 |
| 44 | 30 | 89 | 78 |
| 51 | 33 | 99 | 93 |

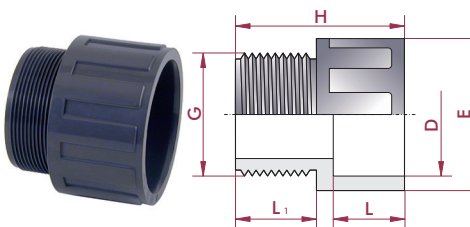
#### UP. 17. SFMT. BS - ADAPTOR BUSH BS

##### Adaptor bush

- Female solvent socket x BSP male threaded
- British Standard series

##### Terminal rosca macho

- Encolar hembra x roscar macho BSP
- Serie British Standard



| D x G     | DN  | PN | REF.                   | CODE         |
|-----------|-----|----|------------------------|--------------|
| ½" x ½"   | 15  | 10 | 05 17 931              | <b>07246</b> |
| ¾" x ¾"   | 20  | 10 | 05 17 932              | <b>07247</b> |
| 1" x 1"   | 25  | 10 | 05 17 933              | <b>07248</b> |
| 1¼" x 1¼" | 32  | 10 | 05 17 934              | <b>07249</b> |
| 1½" x 1½" | 40  | 10 | 05 17 935              | <b>07250</b> |
| 2" x 2"   | 50  | 10 | 05 17 936              | <b>07251</b> |
| 2½" x 2½" | 65  | 10 | 05 17 475 <sup>M</sup> | <b>02108</b> |
| 3" x 3"   | 80  | 10 | 05 17 938              | <b>07253</b> |
| 4" x 4"   | 100 | 10 | 05 17 940              | <b>07254</b> |

| L  | L1 | E   | H   |
|----|----|-----|-----|
| 16 | 14 | 28  | 38  |
| 19 | 16 | 34  | 42  |
| 22 | 19 | 41  | 50  |
| 26 | 21 | 51  | 55  |
| 31 | 30 | 62  | 65  |
| 38 | 30 | 77  | 75  |
| 44 | 30 | 90  | 85  |
| 51 | 33 | 108 | 98  |
| 61 | 40 | 131 | 115 |

<sup>4</sup> Kitemark

## PVC-U UNIONS

### ENLACES 3 PIEZAS PVC-U

Unions are the preferred choice over flange adaptors for the connection of plastic pipes. With no metal parts, there is no corrosion and the weight is also reduced.

They are only available in small sizes (up until D110).

The union ends are manufactured in plain ends for solvent socket or thread always according the sizing standards, doing this system appropriate to adapt to other elements or systems.

Cepex unions feature an o-ring in order to ensure better unions, so it is not needed the use of PTFE tape between nut and union end (it is only needed in the threaded ends).

They are not recommended when connected to pipe under bending stress.

The union nut should be tightened by hand. Must use a strap wrench for big sizes (D75, D90, D110).

With this type of unions, it is possible to mix several plastic materials.

Cuando hay que unir plásticos, éstos son preferidos a las bridas, ya que no contienen ninguna parte de metal y el diámetro exterior es más reducido.

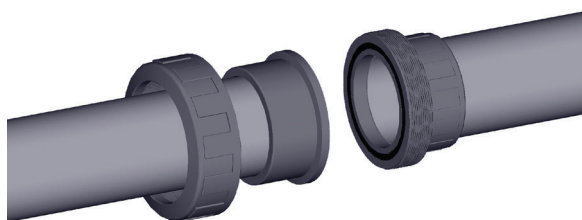
En contrapartida sólo están disponibles para diámetros pequeños (hasta D110).

Los manguitos de conexión están fabricados en terminaciones lisas de encolado o roscadas, siempre bajo normativas standards, haciendo posible la adaptación a otros componentes (incluso de materiales distintos).

Los enlaces 3 piezas Cepex incorporan junta para asegurar estanqueidad entre los dos manguitos de la unión, por lo que no debe usarse cinta de PTFE entre tuerca y manguito (usar cinta de PTFE solamente en las terminaciones de manguito roscadas). No son recomendables cuando el tubo tenga que estar sometido a fuerza de flexión (debido a posibles desalineaciones).

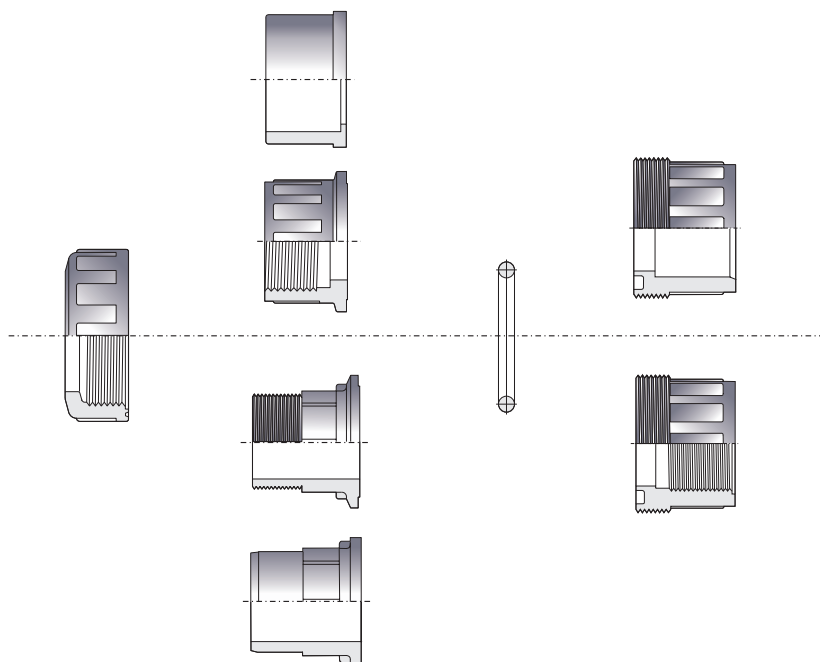
No es necesario el uso de ninguna herramienta, se rosca con las manos. Usar llave de cinta en diámetros grandes (D75, D90, D110).

Mediante estos enlaces, se pueden combinar diferentes tipos de plásticos.



## CONNECTION POSSIBILITIES

### POSIBILIDADES DE CONEXIÓN



#### Available standards

Solvent socket: metric, BS, ASTM

Threaded: BSP, NPT

#### Standards disponibles

Encolar: métrico, BS, ASTM

Roscar: BSP, NPT

Ask for other types of unions or other materials (PP, PE100...)

Consultar otros tipos de conexión o materiales (PP, PE100...)

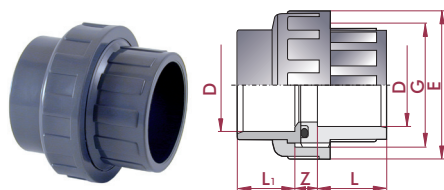
## UP. 50. SF. BS - UNION BS

### Union

- Female solvent socket
- British Standard series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra
- Serie British Standard
- Anillo tórico en EPDM



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| ½"  | 15  | 16 | 05 50 901              | <b>07332</b> |
| ¾"  | 20  | 16 | 05 50 902              | <b>07333</b> |
| 1"  | 25  | 16 | 05 50 903              | <b>07334</b> |
| 1¼" | 32  | 16 | 05 50 904              | <b>07335</b> |
| 1½" | 40  | 16 | 05 50 905              | <b>07336</b> |
| 2"  | 50  | 16 | 05 50 906              | <b>07337</b> |
| 2½" | 65  | 10 | 05 50 075 <sup>M</sup> | <b>02333</b> |
| 3"  | 80  | 10 | 05 50 908              | <b>07806</b> |
| 4"  | 100 | 10 | 05 50 910              | <b>07807</b> |

| L  | Z  | G   | E   | o-ring  |
|----|----|-----|-----|---------|
| 16 | 13 | 1"  | 41  | 20 x 3  |
| 19 | 13 | 1¼" | 52  | 38 x 3  |
| 22 | 13 | 1½" | 60  | 33 x 3  |
| 26 | 15 | 2"  | 74  | 41 x 5  |
| 31 | 17 | 2¼" | 80  | 47 x 5  |
| 38 | 21 | 2¾" | 99  | 60 x 5  |
| 44 | 21 | 3½" | 120 | 76 x 5  |
| 51 | 24 | 4"  | 138 | 91 x 5  |
| 61 | 26 | 5½" | 179 | 110 x 5 |

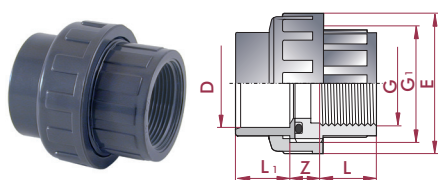
## UP. 50. SFT. BS - UNION BS

### Union adaptor

- Female solvent socket x BSP female thread
- British Standard series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra x roscar hembra BSP
- Serie British Standard
- Anillo tórico en EPDM



| D x G     | DN  | PN | REF.                   | CODE         |
|-----------|-----|----|------------------------|--------------|
| ½" x ½"   | 15  | 16 | 05 50 931              | <b>07255</b> |
| ¾" x ¾"   | 20  | 16 | 05 50 932              | <b>07256</b> |
| 1" x 1"   | 25  | 16 | 05 50 933              | <b>07257</b> |
| 1¼" x 1¼" | 32  | 16 | 05 50 934              | <b>07258</b> |
| 1½" x 1½" | 40  | 16 | 05 50 935              | <b>07259</b> |
| 2" x 2"   | 50  | 16 | 05 50 936              | <b>07260</b> |
| 2½" x 2½" | 65  | 10 | 05 50 475 <sup>M</sup> | <b>02342</b> |
| 3" x 3"   | 80  | 10 | 05 50 938              | <b>07808</b> |
| 4" x 4"   | 100 | 10 | 05 50 940              | <b>07809</b> |

| L  | Z  | G <sub>1</sub> | E   | o-ring  |
|----|----|----------------|-----|---------|
| 16 | 13 | 1"             | 41  | 20 x 3  |
| 19 | 13 | 1¼"            | 52  | 28 x 3  |
| 22 | 13 | 1½"            | 60  | 33 x 3  |
| 26 | 15 | 2"             | 74  | 41 x 5  |
| 31 | 17 | 2¼"            | 90  | 47 x 5  |
| 38 | 21 | 2¾"            | 108 | 60 x 5  |
| 44 | 21 | 3½"            | 120 | 76 x 5  |
| 51 | 24 | 4"             | 138 | 91 x 5  |
| 61 | 26 | 5½"            | 179 | 110 x 5 |

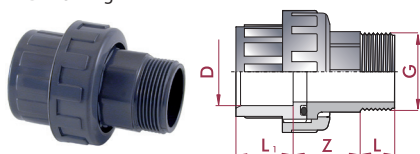
## UP. 51. SMT. BS - UNION BS

### Union adaptor

- Female solvent socket x BSP male thread
- British Standard series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra x roscar macho BSP
- Serie British Standard
- Anillo tórico en EPDM



| D x G     | DN  | PN | REF.                   | CODE         |
|-----------|-----|----|------------------------|--------------|
| ½" x ½"   | 15  | 16 | 05 51 931              | <b>07810</b> |
| ¾" x ¾"   | 20  | 16 | 05 51 932              | <b>07811</b> |
| 1" x 1"   | 25  | 16 | 05 51 933              | <b>07812</b> |
| 1¼" x 1¼" | 32  | 16 | 05 51 934              | <b>07813</b> |
| 1½" x 1½" | 40  | 16 | 05 51 935              | <b>07262</b> |
| 2" x 2"   | 50  | 16 | 05 51 936              | <b>07263</b> |
| 2½" x 2½" | 65  | 10 | 05 51 475 <sup>M</sup> | <b>02359</b> |
| 3" x 3"   | 80  | 10 | 05 51 938              | <b>07814</b> |
| 4" x 4"   | 100 | 10 | 05 51 940              | <b>07815</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 16             | 15 | 33 |
| 19             | 16 | 35 |
| 22             | 19 | 40 |
| 26             | 21 | 40 |
| 31             | 21 | 48 |
| 38             | 25 | 62 |
| 44             | 30 | 70 |
| 51             | 33 | 62 |
| 61             | 39 | 70 |

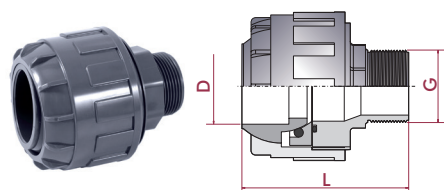
## UP. 57. SFMT. BS - UNION BS

### Self-align union

- Max. misalignment ±4°
- Female solvent socket x BSP male thread
- British Standard series

### Manguito orientable

- Dealineación max. ±4°
- Encolar hembra x roscar macho BSP
- Serie British Standard



| D x G     | DN | PN | REF.      | CODE         |
|-----------|----|----|-----------|--------------|
| 1½" x 1½" | 40 | 10 | 05 57 955 | <b>21081</b> |

| L   |
|-----|
| 110 |

## FITTINGS FOR UNIONS

### ACCESORIOS ENLACES 3 PIEZAS

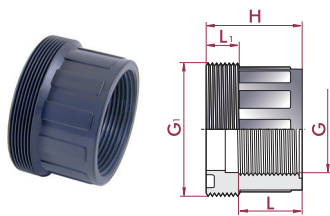
#### UP. 21. MFT - UNION BUSH BS

##### Union bush

- BSP male x female thread

##### Manguito enlace

- Roscar macho x hembra BSP



| G <sub>1</sub> x G | DN  | PN | REF.      | CODE         |
|--------------------|-----|----|-----------|--------------|
| 1" x 1/2"          | 15  | 10 | 05 21 620 | <b>02160</b> |
| 1 1/4" x 3/4"      | 20  | 10 | 05 21 625 | <b>02162</b> |
| 1 1/2" x 1"        | 25  | 10 | 05 21 632 | <b>02163</b> |
| 2" x 1 1/4"        | 32  | 10 | 05 21 640 | <b>02165</b> |
| 2 1/4" x 1 1/2"    | 40  | 10 | 05 21 650 | <b>02166</b> |
| 2 3/4" x 2"        | 50  | 10 | 05 21 663 | <b>02168</b> |
| 3 1/2" x 2 1/2"    | 65  | 10 | 05 21 675 | <b>02169</b> |
| 4" x 3"            | 80  | 10 | 05 21 690 | <b>02170</b> |
| 5 1/2" x 4"        | 100 | 10 | 05 21 710 | <b>02171</b> |

| L  | L <sub>1</sub> | H  |
|----|----------------|----|
| 16 | 10             | 26 |
| 19 | 11             | 29 |
| 22 | 12             | 32 |
| 30 | 15             | 39 |
| 34 | 16             | 46 |
| 38 | 18             | 56 |
| 44 | 18             | 62 |
| 51 | 18             | 69 |
| 61 | 31             | 79 |

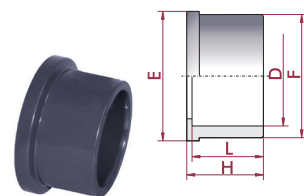
#### UP. 22. SF. BS - UNION END BS

##### Union end

- Female solvent socket
- British Standard series

##### Manguito enlace

- Encolar hembra
- Serie British Standard



| D      | DN  | PN | REF.                    | CODE         |
|--------|-----|----|-------------------------|--------------|
| 1/2"   | 15  | 16 | 05 22 901               | <b>27254</b> |
| 3/4"   | 20  | 16 | 05 22 902               | <b>27255</b> |
| 1"     | 25  | 16 | 05 22 903               | <b>27256</b> |
| 1 1/4" | 32  | 16 | 05 22 904               | <b>27257</b> |
| 1 1/2" | 40  | 16 | 05 22 905               | <b>27258</b> |
| 2"     | 50  | 16 | 05 22 906               | <b>27259</b> |
| 2 1/2" | 65  | 16 | 05 22 075 <sup>10</sup> | <b>02178</b> |
| 3"     | 80  | 16 | 05 22 908               | <b>27260</b> |
| 4"     | 100 | 16 | 05 22 910               | <b>27261</b> |

| L  | E   | H  | F   |
|----|-----|----|-----|
| 16 | 30  | 19 | 27  |
| 19 | 39  | 22 | 36  |
| 22 | 45  | 25 | 41  |
| 26 | 56  | 29 | 53  |
| 31 | 63  | 34 | 59  |
| 38 | 78  | 41 | 74  |
| 44 | 97  | 47 | 92  |
| 51 | 110 | 56 | 105 |
| 61 | 147 | 66 | 131 |

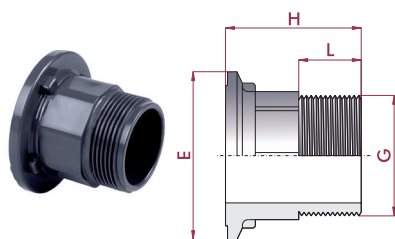
#### UP. 22. MT- UNION END BS

##### Union end

- BSP male thread

##### Manguito enlace

- Roscar macho BSP



| G      | DN  | PN | REF.      | CODE         |
|--------|-----|----|-----------|--------------|
| 1/2"   | 15  | 10 | 05 22 420 | <b>25960</b> |
| 3/4"   | 20  | 10 | 05 22 425 | <b>25961</b> |
| 1"     | 25  | 10 | 05 22 432 | <b>25962</b> |
| 1 1/4" | 32  | 10 | 05 22 440 | <b>25963</b> |
| 1 1/2" | 40  | 10 | 05 22 450 | <b>25964</b> |
| 2"     | 50  | 10 | 05 22 463 | <b>25965</b> |
| 2 1/2" | 65  | 10 | 05 22 475 | <b>25966</b> |
| 3"     | 80  | 10 | 05 22 490 | <b>25967</b> |
| 4"     | 100 | 10 | 05 22 510 | <b>25968</b> |

| L  | H  | E   |
|----|----|-----|
| 15 | 38 | 30  |
| 16 | 41 | 39  |
| 19 | 48 | 45  |
| 21 | 50 | 57  |
| 21 | 57 | 63  |
| 28 | 70 | 78  |
| 30 | 72 | 97  |
| 33 | 77 | 110 |
| 40 | 98 | 147 |

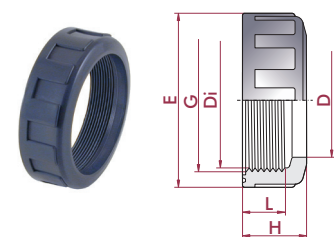
#### UP. 23. FT- UNION NUT BS

##### Union nut

- BSP female thread

##### Tuerca

- Roscar hembra BSP



| G               | PN | REF.      | CODE         |
|-----------------|----|-----------|--------------|
| 1" (1/2")       | 10 | 05 23 632 | <b>02188</b> |
| 1 1/4" (3/4")   | 10 | 05 23 640 | <b>02189</b> |
| 1 1/2" (1")     | 10 | 05 23 650 | <b>02191</b> |
| 2" (1 1/4")     | 10 | 05 23 663 | <b>02192</b> |
| 2 1/4" (1 1/2") | 10 | 05 23 664 | <b>02193</b> |
| 2 3/4" (2")     | 10 | 05 23 676 | <b>02196</b> |
| 3 1/2" (2 1/2") | 10 | 05 23 692 | <b>02197</b> |
| 4" (3")         | 10 | 05 23 710 | <b>02198</b> |
| 5 1/2" (4")     | 10 | 05 23 741 | <b>02199</b> |

| L  | H  | E   | D   | Di  |
|----|----|-----|-----|-----|
| 15 | 20 | 41  | 27  | 30  |
| 16 | 22 | 52  | 36  | 39  |
| 20 | 26 | 60  | 41  | 45  |
| 21 | 26 | 74  | 53  | 57  |
| 22 | 30 | 80  | 59  | 63  |
| 28 | 36 | 99  | 74  | 78  |
| 28 | 36 | 120 | 92  | 97  |
| 28 | 38 | 133 | 105 | 110 |
| 41 | 56 | 177 | 131 | 148 |

The size of the corresponding union is indicated in brackets.

Entre paréntesis se indica la medida del enlace 3 piezas correspondiente.

## SIGHT GLASSES

### VISORES DE LÍQUIDOS

#### UP. 54. SF. BS- SIGHT GLASSES BS

- Material:  
1½" - 2": PMMA (Fig. A)  
2½" - 4": SAN (Fig. B)
- 4 bolts
- Female solvent socket
- British Standard series

- Material:  
1½" - 2": PMMA (Fig. A)  
2½" - 4": SAN (Fig. B)
- 4 tornillos
- Encolar hembra
- Serie British Standard

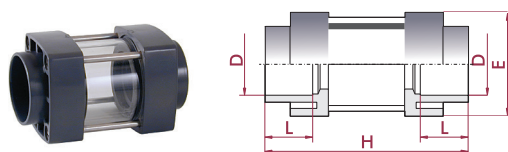
Working pressure at 20°C (73°F) water temperature:

- 1½" - 2": PN 6
- 2½" - 4": PN 10

Presión de servicio a 20°C (73°F) temperatura de agua:

- 1½" - 2": PN 6
- 2½" - 4": PN 10

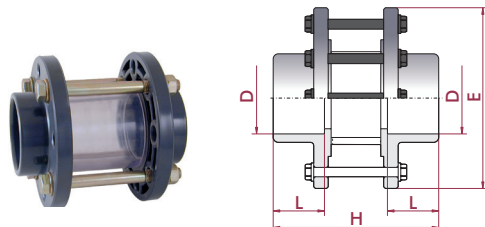
**Mod. A**



| D   | DN  | PN | REF.                   | CODE         |
|-----|-----|----|------------------------|--------------|
| 1½" | 40  | 6  | 05 54 905              | <b>21082</b> |
| 2"  | 50  | 6  | 05 54 906              | <b>21083</b> |
| 2½" | 65  | 10 | 05 54 075 <sup>M</sup> | <b>02389</b> |
| 3"  | 80  | 10 | 05 54 908              | <b>21084</b> |
| 4"  | 100 | 10 | 05 54 910              | <b>21085</b> |
| 6"  | 150 | 10 | 05 54 914              | <b>69340</b> |

| L  | H   | E   | Mod. |
|----|-----|-----|------|
| 31 | 130 | 80  | A    |
| 38 | 159 | 92  | A    |
| 44 | 165 | 185 | B    |
| 51 | 180 | 200 | B    |
| 61 | 250 | 220 | B    |

**Mod. B**



## AMERICAN SIZES SERIES

**SOCKETS***MANGUITOS***01**

PAG. 123

**FLANGES***BRIDAS***02**

PAG. 124

**UNIONS***ENLACES 3 PIEZAS***03**

PAG. 126

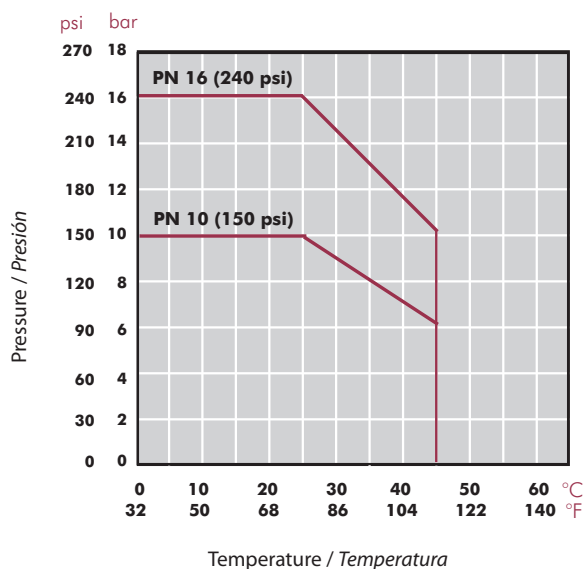
## TECHNICAL CHARACTERISTICS

### CARACTERÍSTICAS TÉCNICAS

| Unions<br><i>Uniones</i>        | Sizes<br><i>Medidas</i> | Working pressure at 20°C<br><i>Presión de servicio a 20°C</i> |
|---------------------------------|-------------------------|---------------------------------------------------------------|
| Solvent socket / <i>Encolar</i> | 1/2" - 4"               | PN 16 (240 psi)                                               |
| Threaded / <i>Roscar</i>        | 1/2" - 4"               | PN 10 (150 ps)                                                |

## PRESSURE / TEMPERATURE GRAPH

### DIAGRAMA PRESIÓN / TEMPERATURA



Life: 50 years  
Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

Vida útil: 50 años  
Presión hidrostática máxima que un componente es capaz de soportar en servicio continuo (sin sobrepresión)

## TOLERANCE CHART

### TABLA TOLERANCIAS

| DN     | Inlet diameter<br><i>Diámetro en entrada</i> |        | Bottom diameter<br><i>Diámetro en fondo</i> |        |
|--------|----------------------------------------------|--------|---------------------------------------------|--------|
|        | MIN.                                         | MAX.   | MIN.                                        | MAX.   |
| 3/8"   | 17.35                                        | 17.55  | 16.94                                       | 17.14  |
| 1/2"   | 21.44                                        | 21.64  | 21.13                                       | 21.33  |
| 3/4"   | 26.77                                        | 26.97  | 26.47                                       | 26.67  |
| 1"     | 33.53                                        | 33.78  | 33.14                                       | 33.40  |
| 1 1/4" | 42.29                                        | 42.55  | 41.91                                       | 42.17  |
| 1 1/2" | 48.41                                        | 48.71  | 47.96                                       | 48.26  |
| 2"     | 60.48                                        | 60.78  | 60.02                                       | 60.32  |
| 2 1/2" | 73.20                                        | 73.56  | 72.67                                       | 73.03  |
| 3"     | 89.11                                        | 89.51  | 88.50                                       | 88.90  |
| 4"     | 114.53                                       | 114.99 | 113.84                                      | 114.30 |
| 5"     | 141.56                                       | 142.06 | 140.80                                      | 141.30 |
| 6"     | 168.55                                       | 169.11 | 167.72                                      | 168.28 |
| 8"     | 219.46                                       | 220.22 | 218.32                                      | 219.08 |



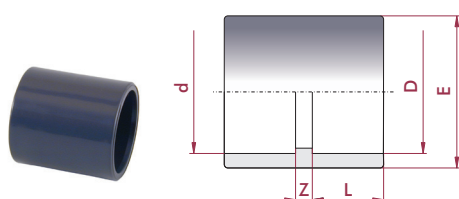
## UP. 27. SF. MMA - ADAPTOR SOCKET METRIC - MA

### Metric/ASTM adaptor socket

- Female solvent socket
- ASTM - Metric series

### Manguito adaptador métrico/ASTM

- Encolar hembra
- Serie ASTM - Métrica



| D x d       | DN  | PN | REF.         | CODE         |
|-------------|-----|----|--------------|--------------|
| 20 x 1/2"   | 15  | 16 | 05 27 901 MA | <b>60257</b> |
| 25 x 3/4"   | 20  | 16 | 05 27 902 MA | <b>64467</b> |
| 32 x 1"     | 25  | 16 | 05 27 903 MA | <b>64468</b> |
| 40 x 1 1/4" | 32  | 16 | 05 27 904 MA | <b>64496</b> |
| 50 x 1 1/2" | 40  | 16 | 05 27 905 MA | <b>64497</b> |
| 63 x 2"     | 50  | 16 | 05 27 906 MA | <b>64498</b> |
| 75 x 2 1/2" | 65  | 16 | 05 27 907 MA | <b>64499</b> |
| 90 x 3"     | 80  | 16 | 05 27 908 MA | <b>64500</b> |
| 110 x 4"    | 100 | 16 | 05 27 910 MA | <b>64501</b> |

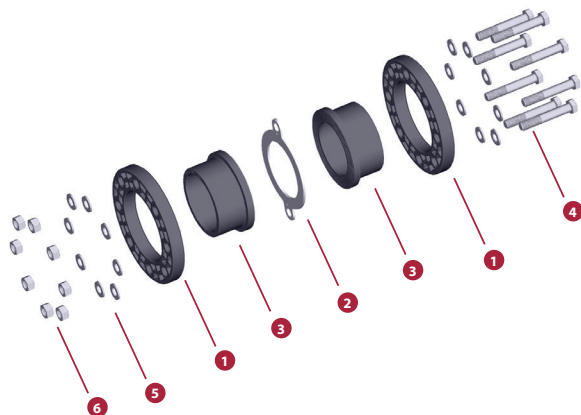
| L  | Z | E   |
|----|---|-----|
| 16 | 3 | 27  |
| 19 | 3 | 33  |
| 22 | 3 | 41  |
| 26 | 3 | 50  |
| 31 | 3 | 61  |
| 38 | 3 | 75  |
| 44 | 4 | 90  |
| 51 | 5 | 108 |
| 61 | 6 | 135 |

## PVC-U LOOSE FLANGES

### BRIDAS LOCAS PVC-U

- ANSI ASME 16B.5 | ANSI ASME 16.5/16.34 Flange System.
- We recommend to follow flange installation instructions carefully to avoid any unnecessary tensions.

- Sistema de bridas ANSI ASME 16B.5 | ANSI ASME 16.5/16.34.
- Recomendamos seguir exactamente las normas de montaje de bridas con objeto de evitar tensiones innecesarias.



| D   | 1<br>PVC-U | 3<br>PVC-U |
|-----|------------|------------|
| 2"  |            | ✓          |
| 2½" |            | ✓          |
| 3"  | ✓          | ✓          |
| 4"  | ✓          | ✓          |
| 5"  |            | ✓          |
| 6"  | ✓          | ✓          |
| 8"  | ✓          | ✓          |

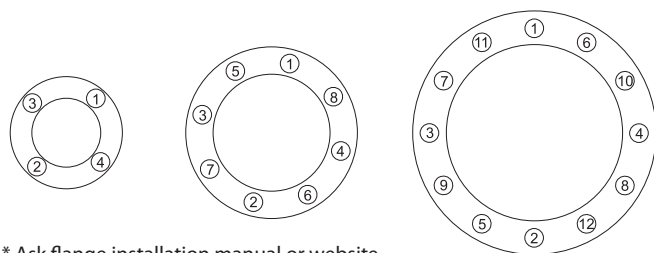
| FIG. | Parts             | Despiece                | Material                                     |
|------|-------------------|-------------------------|----------------------------------------------|
| 1    | Flange            | Brida                   | PVC-U / PP                                   |
| 2    | Flat gasket       | Junta plana             | EVA / EPDM                                   |
| 3    | Flange adaptor ** | Manguito portabridas ** | PVC-U                                        |
| 4    | Screw DIN 931     | Tornillo DIN 931        | 5.6 Zinc plated steel / A2 Stainless steel * |
| 5    | Washer DIN 125-A  | Arandela DIN 125-A      |                                              |
| 6    | Nut DIN 934       | Tuerca DIN 934          |                                              |

\* On order A4 Stainless steel  
Bajo pedido acero inoxidable A4

\*\* Flange adaptor available in BS and ASTM solvent socket standards  
Manguito portabridas disponible en standards BS y ASTM

## TIGHTENING SEQUENCE

### ORDEN DE APRIETE



\* Ask flange installation manual or website  
Consultar manual instalación bridas o website

## TIGHTENING MAXIMUM TORQUE

### MÁXIMO PAR DE APRIETE

| D              | DN  | inch | N · m | Kgf · cm | inch · lbs |
|----------------|-----|------|-------|----------|------------|
| <b>63-75</b>   | 65  | 2 ½" | 25    | 255      | 221        |
| <b>90</b>      | 80  | 3"   | 25    | 255      | 221        |
| <b>110</b>     | 100 | 4"   | 30    | 306      | 265        |
| <b>125-140</b> | 125 | 5"   | 35    | 257      | 310        |
| <b>160</b>     | 150 | 6"   | 40    | 408      | 354        |
| <b>200-225</b> | 200 | 8"   | 50    | 510      | 442        |
| <b>250-280</b> | 250 | 10"  | 80    | 816      | 708        |
| <b>315</b>     | 300 | 12"  | 80    | 816      | 708        |

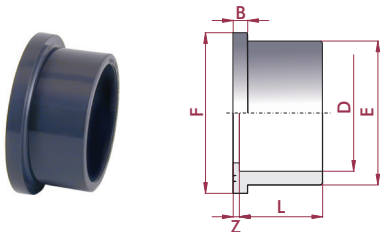
## UP. 10. SF. MA - FLANGE ADAPTOR MA

### PVC-U flange adaptor (sub flange)

- Female solvent socket
- ASTM series

### Manguito portabridas PVC-U

- Encolar hembra
- Serie ASTM



| D   | PN | REF.         | CODE         |
|-----|----|--------------|--------------|
| 2"  | 16 | 05 10 906 MA | <b>66836</b> |
| 2½" | 16 | 05 10 907 MA | <b>07097</b> |
| 3"  | 16 | 05 10 908 MA | <b>07098</b> |
| 4"  | 16 | 05 10 910 MA | <b>07099</b> |
| 5"  | 16 | 05 10 913 MA | <b>07100</b> |
| 6"  | 10 | 05 10 914 MA | <b>07101</b> |
| 8"  | 10 | 05 10 917 MA | <b>07102</b> |

| L   | Z | B  | E   | F   |
|-----|---|----|-----|-----|
| 38  | 3 | 9  | 76  | 90  |
| 44  | 3 | 10 | 90  | 106 |
| 51  | 5 | 11 | 108 | 125 |
| 61  | 5 | 12 | 131 | 150 |
| 76  | 5 | 14 | 165 | 188 |
| 86  | 5 | 16 | 188 | 213 |
| 106 | 6 | 20 | 248 | 274 |

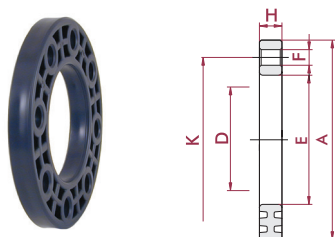
## UP. 11. FLG - FLANGE

### PVC-U loose flange

- ANSI-150

### Brida loca PVC-U

- ANSI-150



| D  | DN  | PN | REF.      | CODE           |
|----|-----|----|-----------|----------------|
| 3" | 80  | 16 | 05 99 104 | <b>0599104</b> |
| 4" | 100 | 16 | 05 99 105 | <b>0599105</b> |
| 6" | 150 | 16 | 05 99 106 | <b>0599106</b> |
| 8" | 200 | 16 | 05 99 107 | <b>0599107</b> |

| E   | A     | H  | K         | F        |
|-----|-------|----|-----------|----------|
| 110 | 190,5 | 23 | 150-159   | 8 x 19   |
| 133 | 230   | 28 | 175-190,5 | 8 x 19,5 |
| 190 | 285   | 32 | 240,2     | 8 x 23   |
| 250 | 343   | 38 | 290-298   | 8 x 23   |

\* These flanges have slotted holes to allow the installation according to ASTM 16B.5 - ANSI 150 and ISO 15493.

\* Estas bridas tienen los agujeros dimensionados para permitir la instalación acorde a las normativas ASTM 16B.5 - ANSI 150 y ISO 15493.

## PVC-U UNIONS

### ENLACES 3 PIEZAS PVC-U

Unions are the preferred choice over flange adaptors for the connection of plastic pipes. With no metal parts, there is no corrosion and the weight is also reduced.

They are only available in small sizes (up until D110).

The union ends are manufactured in plain ends for solvent socket or thread always according the sizing standards, doing this system appropriate to adapt to other elements or systems. Cepex unions feature an o-ring in order to ensure better unions, so it is no needed the use of PTFE tape between nut and union end (it is only needed in the threaded ends).

They are not recommended when connected to pipe under bending stress.

The union nut should be tightened by hand. Must use a strap wrench for big sizes (D75, D90, D110).

With this type of unions, it is possible to mix several plastic materials.

Cuando hay que unir plásticos, éstos son preferidos a las bridas, ya que no contienen ninguna parte de metal y el diámetro exterior es más reducido.

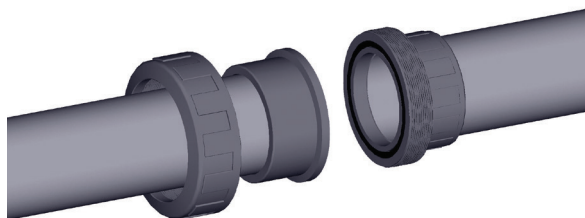
En contrapartida sólo están disponibles para diámetros pequeños (hasta D110).

Los manguitos de conexión están fabricados en terminaciones lisas de encolado o roscadas, siempre bajo normativas standards, haciendo posible la adaptación a otros componentes (incluso de materiales distintos).

Los enlaces 3 piezas Cepex incorporan junta para asegurar estanqueidad entre los dos manguitos de la unión, por lo que no debe usarse cinta de PTFE entre tuerca y manguito (usar cinta de PTFE solamente en las terminaciones de manguito roscadas). No son recomendables cuando el tubo tenga que estar sometido a fuerza de flexión (debido a posibles desalineaciones).

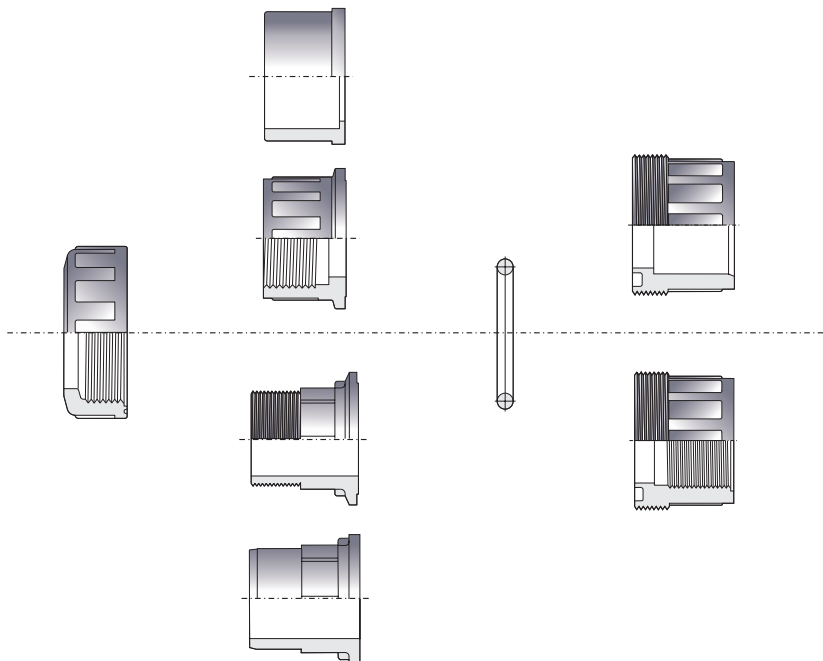
No es necesario el uso de ninguna herramienta, se rosca con las manos. Usar llave de cinta en diámetros grandes (D75, D90, D110).

Mediante estos enlaces, se pueden combinar diferentes tipos de plásticos.



## CONNECTION POSSIBILITIES

### POSIBILIDADES DE CONEXIÓN



#### Available standards

Solvent socket: metric, BS, ASTM  
Threaded: BSP, NPT

#### Standards disponibles

Encolar: métrico, BS, ASTM  
Roscar: BSP, NPT

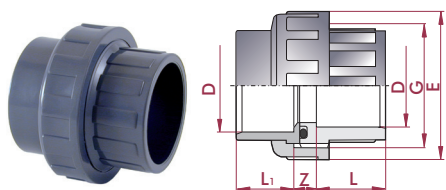
## UP. 50. SF. MA - UNION MA

### Union

- Female solvent socket
- ASTM series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra
- Serie ASTM
- Anillo tórico en EPDM



| D   | DN  | PN | REF.         | CODE         |
|-----|-----|----|--------------|--------------|
| ½"  | 15  | 16 | 05 50 901 MA | <b>25472</b> |
| ¾"  | 20  | 16 | 05 50 902 MA | <b>25473</b> |
| 1"  | 25  | 16 | 05 50 903 MA | <b>25474</b> |
| 1¼" | 32  | 16 | 05 50 904 MA | <b>25475</b> |
| 1½" | 40  | 16 | 05 50 905 MA | <b>11937</b> |
| 2"  | 50  | 16 | 05 50 906 MA | <b>15690</b> |
| 2½" | 65  | 10 | 05 50 907 MA | <b>41528</b> |
| 3"  | 80  | 10 | 05 50 908 MA | <b>41529</b> |
| 4"  | 100 | 10 | 05 50 910 MA | <b>41530</b> |

| L  | Z  | G   | E   | o-ring  |
|----|----|-----|-----|---------|
| 16 | 13 | 1"  | 41  | 20 x 3  |
| 19 | 13 | 1¼" | 52  | 38 x 3  |
| 22 | 13 | 1½" | 60  | 33 x 3  |
| 26 | 15 | 2"  | 74  | 41 x 5  |
| 31 | 17 | 2¼" | 80  | 47 x 5  |
| 38 | 21 | 2¾" | 99  | 60 x 5  |
| 44 | 21 | 3½" | 120 | 76 x 5  |
| 51 | 24 | 4"  | 138 | 91 x 5  |
| 61 | 26 | 5½" | 179 | 110 x 5 |

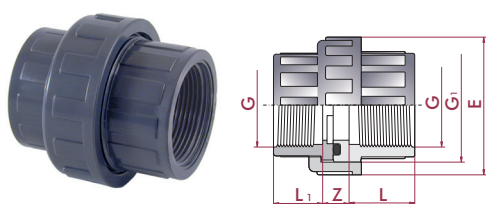
## UP. 50. FT. MA - UNION MA

### Union

- NPT female thread
- ASTM series
- EPDM O-Ring

### Enlace 3 piezas

- Roscar hembra NPT
- Serie ASTM
- Anillo tórico en EPDM



| G   | DN | PN | REF.      | CODE         |
|-----|----|----|-----------|--------------|
| ½"  | 15 | 10 | 05 50 801 | <b>25476</b> |
| ¾"  | 20 | 10 | 05 50 802 | <b>25477</b> |
| 1"  | 25 | 10 | 05 50 803 | <b>25478</b> |
| 1¼" | 32 | 10 | 05 50 804 | <b>25479</b> |
| 1½" | 40 | 10 | 05 50 805 | <b>11811</b> |
| 2"  | 50 | 10 | 05 50 806 | <b>15692</b> |
| 2½" | 65 | 10 | 05 50 807 | <b>53120</b> |

| L  | L <sub>1</sub> | Z  | G <sub>1</sub> | E   | o-ring     |
|----|----------------|----|----------------|-----|------------|
| 16 | 15             | 12 | 1"             | 41  | 20,2 x 3,5 |
| 19 | 17             | 12 | 1¼"            | 52  | 28,2 x 3,5 |
| 22 | 20             | 14 | 1½"            | 60  | 32,9 x 3,5 |
| 26 | 24             | 16 | 2"             | 74  | 40,6 x 5,3 |
| 31 | 25             | 18 | 2¼"            | 80  | 47,0 x 5,3 |
| 38 | 29             | 20 | 2¾"            | 99  | 59,7 x 5,3 |
| 44 | 34             | 21 | 3½"            | 120 | 75,6 x 5,3 |

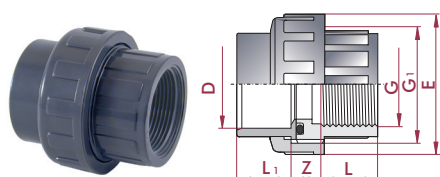
## UP. 50. SFT. MA - UNION MA

### Union adaptor

- Female solvent socket x NPT female thread
- ASTM series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra x rosca hembra NPT
- Serie ASTM
- Anillo tórico en EPDM



| D x G     | DN | PN | REF.         | CODE         |
|-----------|----|----|--------------|--------------|
| 1½" x 1½" | 40 | 16 | 05 50 935 MA | <b>11810</b> |
| 2" x 2"   | 50 | 16 | 05 50 936 MA | <b>15691</b> |

| L  | Z  | G <sub>1</sub> | E   | o-ring |
|----|----|----------------|-----|--------|
| 31 | 17 | 2¼"            | 90  | 47 x 5 |
| 38 | 21 | 2¾"            | 108 | 60 x 5 |

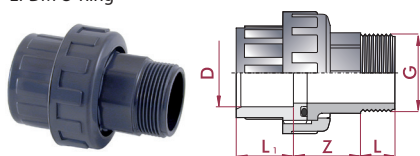
## UP. 51. SMT. MA - UNION MA

### Union adaptor

- Female solvent socket x NPT male thread
- ASTM series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra x rosca macho NPT
- Serie ASTM
- Anillo tórico en EPDM



| D x G     | DN | PN | REF.         | CODE         |
|-----------|----|----|--------------|--------------|
| 1½" x 1½" | 40 | 16 | 05 51 935 MA | <b>11813</b> |
| 2" x 2"   | 50 | 16 | 05 51 936 MA | <b>15694</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 31             | 21 | 48 |
| 38             | 25 | 62 |

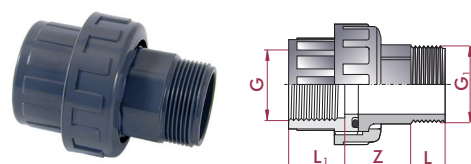
## UP. 51. MFT. MA - UNION MA

### Union

- NPT female x male thread
- ASTM series
- EPDM O-Ring

### Enlace 3 piezas

- Roscar hembra x macho NPT
- Serie ASTM
- Anillo tórico en EPDM



| G x G <sub>1</sub> | DN | PN | REF.      | CODE         |
|--------------------|----|----|-----------|--------------|
| 1" x 1"            | 25 | 10 | 05 51 803 | <b>71275</b> |
| 1¼" x 1¼"          | 32 | 10 | 05 51 804 | <b>71276</b> |
| 1½" x 1½"          | 40 | 10 | 05 51 805 | <b>11812</b> |
| 2" x 2"            | 50 | 10 | 05 51 806 | <b>15693</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 22             | 19 | 40 |
| 26             | 21 | 40 |
| 31             | 21 | 48 |
| 38             | 28 | 62 |

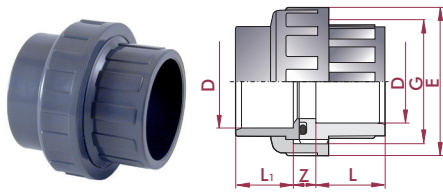
## UP. 50. SF. MA ME - UNION MA ME

### Union

- Female solvent socket
- ASTM - Metric Series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra
- Serie ASTM - métrica
- Anillo tórico en EPDM



| D        | DN  | PN | REF.           | CODE         |
|----------|-----|----|----------------|--------------|
| 1" - 32  | 25  | 16 | 05 50 903 MAME | <b>60557</b> |
| 1¼" - 40 | 32  | 16 | 05 50 904 MAME | <b>60558</b> |
| 1½" - 50 | 40  | 16 | 05 50 905 MAME | <b>66441</b> |
| 2" - 63  | 50  | 16 | 05 50 906 MAME | <b>60561</b> |
| 3" - 90  | 80  | 10 | 05 50 908 MAME | <b>60562</b> |
| 4" - 110 | 100 | 10 | 05 50 910 MAME | <b>60563</b> |

| L  | Z  | G   | E   | o-ring  |
|----|----|-----|-----|---------|
| 22 | 13 | 1½" | 60  | 33 x 3  |
| 26 | 15 | 2"  | 74  | 41 x 5  |
| 31 | 17 | 2¼" | 80  | 47 x 5  |
| 38 | 21 | 2¾" | 99  | 60 x 5  |
| 51 | 24 | 4"  | 138 | 91 x 5  |
| 61 | 26 | 5½" | 179 | 110 x 5 |

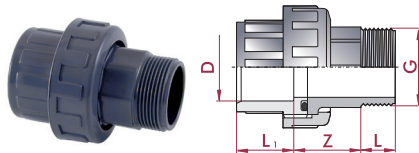
## UP. 51. SMT. MA ME - UNION MA ME

### Union adaptor

- Female solvent socket x BSP male thread
- ASTM series - Metric Series
- EPDM O-Ring

### Enlace 3 piezas

- Encolar hembra x rosar macho BSP
- Serie ASTM - métrica
- Anillo tórico en EPDM



| D x G     | DN | PN | REF.      | CODE           |
|-----------|----|----|-----------|----------------|
| 1½" x 1½" | 40 | 16 | 05 99 281 | <b>0599281</b> |
| 2" x 2"   | 50 | 16 | 05 99 282 | <b>0599282</b> |
| 2½" x 2½" | 65 | 16 | 05 99 283 | <b>0599283</b> |
| 3" x 3"   | 80 | 16 | 05 99 284 | <b>0599284</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 31             | 21 | 48 |
| 38             | 25 | 62 |
| 44             | 30 | 70 |
| 51             | 33 | 62 |

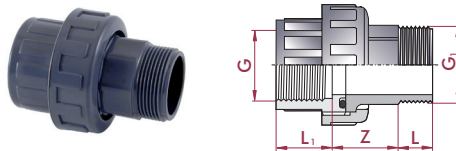
## UP. 51. MFT. MA ME - UNION MA ME

### Union

- BSP female x male thread NPT
- ASTM series
- ASTM series - Metric Series
- EPDM O-Ring

### Enlace 3 piezas

- Roscar hembra BSP x macho NPT
- Serie ASTM
- Serie ASTM - métrica
- Anillo tórico en EPDM



| D x G     | DN | PN | REF.      | CODE         |
|-----------|----|----|-----------|--------------|
| 1" x 1"   | 25 | 10 | 05 51 823 | <b>71300</b> |
| 1¼" x 1¼" | 32 | 10 | 05 51 824 | <b>71301</b> |
| 1½" x 1½" | 40 | 16 | 05 51 825 | <b>71302</b> |
| 2" x 2"   | 50 | 16 | 05 51 826 | <b>71303</b> |

| L <sub>1</sub> | L  | Z  |
|----------------|----|----|
| 22             | 19 | 40 |
| 26             | 21 | 40 |
| 31             | 21 | 48 |
| 38             | 25 | 62 |

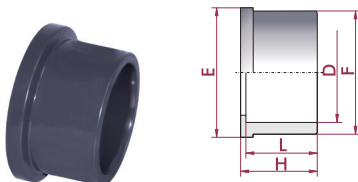
## UP. 22. SF. MA - UNION END MA

### Union end

- Female solvent socket
- ASTM series

### Manguito enlace

- Encolar hembra
- Serie ASTM



| D   | DN | PN | REF.         | CODE         |
|-----|----|----|--------------|--------------|
| ½"  | 15 | 16 | 05 22 901 MA | <b>22033</b> |
| ¾"  | 20 | 16 | 05 22 902 MA | <b>22034</b> |
| 1"  | 25 | 16 | 05 22 903 MA | <b>22035</b> |
| 1¼" | 32 | 16 | 05 22 904 MA | <b>22036</b> |
| 1½" | 40 | 16 | 05 22 905 MA | <b>22037</b> |
| 2"  | 50 | 16 | 05 22 906 MA | <b>22038</b> |

| L  | E  | H  | F  |
|----|----|----|----|
| 16 | 30 | 19 | 27 |
| 19 | 39 | 22 | 36 |
| 22 | 45 | 25 | 41 |
| 26 | 56 | 29 | 53 |
| 31 | 63 | 34 | 59 |
| 38 | 78 | 41 | 74 |

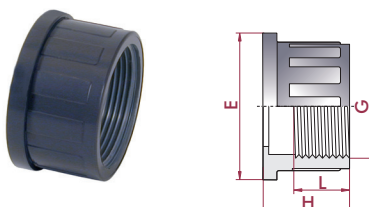
## UP. 22. FT. MA - UNION END MA

### Union end

- NPT female thread
- ASTM series

### Manguito enlace

- Roscar hembra NPT
- Serie ASTM



| G   | DN | PN | REF.      | CODE         |
|-----|----|----|-----------|--------------|
| ½"  | 15 | 10 | 05 22 801 | <b>22051</b> |
| ¾"  | 20 | 10 | 05 22 802 | <b>22052</b> |
| 1"  | 25 | 10 | 05 22 803 | <b>22053</b> |
| 1¼" | 32 | 10 | 05 22 804 | <b>22054</b> |
| 1½" | 40 | 10 | 05 22 805 | <b>22055</b> |
| 2"  | 50 | 10 | 05 22 806 | <b>22056</b> |

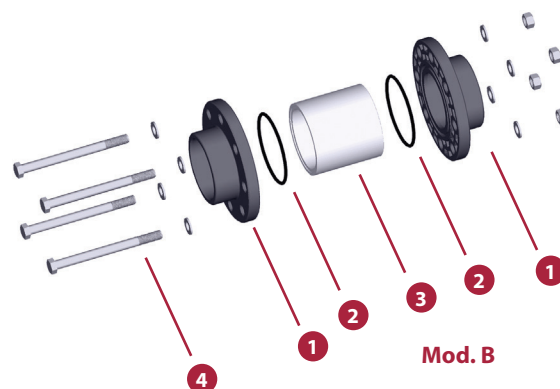
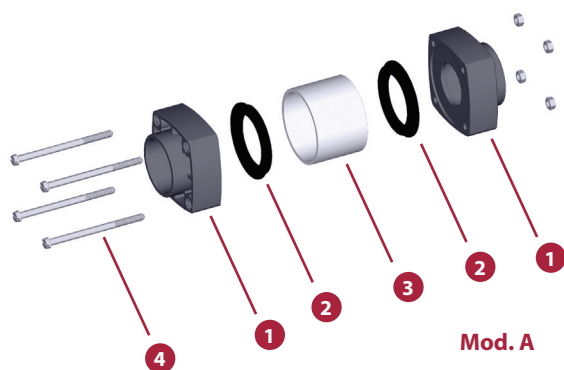
| L  | H  | E  |
|----|----|----|
| 15 | 21 | 30 |
| 17 | 23 | 39 |
| 20 | 26 | 45 |
| 24 | 30 | 56 |
| 25 | 35 | 63 |
| 29 | 42 | 78 |

## SIGHT GLASSES

### VISORES DE LÍQUIDOS

- Necessary element to show the fluid pass through an installation, as well as displaying the liquid state (degree of turbidity).
- Two available models, with the sight glass in several materials (PMMA or SAN).

- Elemento necesario para mostrar el paso de líquido por una instalación, así como la visualización del estado del líquido (grado de turbidez).
- Dos modelos disponibles, con el visor en distintos materiales (PMMA o SAN).

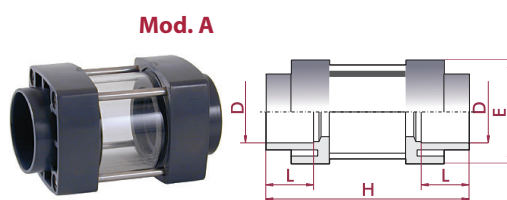


| FIG. | Parts          | Despiece         | Material          |
|------|----------------|------------------|-------------------|
| 1    | Union / flange | Manguito / brida | PVC-U             |
| 2    | O-ring         | Junta            | EPDM              |
| 3    | Viewer         | Visor            | PMMA / SAN        |
| 4    | Bolts          | Tornillos        | Zinc plated steel |

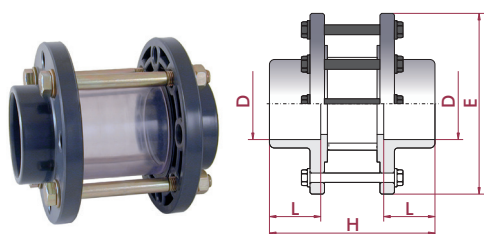
### UP. 54. SF

- Material:  
D50 - D63: PMMA (Mod. A)  
D75 - D225: SAN (Mod. B)
- 4 bolts
- Female solvent socket
- ASTM series

- Material:  
D50 - D63: PMMA (Mod. A)  
D75 - D225: SAN (Mod. B)
- 4 tornillos
- Encolar hembra
- Serie ASTM



**Mod. B**



| D   | DN  | PN | REF.         | CODE         |
|-----|-----|----|--------------|--------------|
| 1½" | 40  | 6  | 05 54 905 MA | <b>67817</b> |
| 2"  | 50  | 6  | 05 54 906 MA | <b>67818</b> |
| 2½" | 65  | 10 | 05 54 907 MA | <b>67819</b> |
| 3"  | 80  | 10 | 05 54 908 MA | <b>67820</b> |
| 4"  | 100 | 10 | 05 54 910 MA | <b>67821</b> |
| 5"  | 110 | 10 | 05 54 913 MA | <b>67822</b> |
| 6"  | 125 | 10 | 05 54 914 MA | <b>67823</b> |
| 8"  | 150 | 10 | 05 54 917 MA | <b>67824</b> |

| L  | H   | E   | Mod. |
|----|-----|-----|------|
| 31 | 130 | 80  | A    |
| 38 | 159 | 92  | A    |
| 44 | 165 | 185 | B    |
| 51 | 180 | 200 | B    |
| 61 | 250 | 220 | B    |
| 69 | 280 | 230 | B    |
| 76 | 310 | 250 | B    |
| 86 | 360 | 285 | B    |