

PE 100



- Pipes
- Socket Fusion Fittings
- Butt Fusion Fittings
- Electrofusion Fittings

Pressure Ratings for PE-Fittings and PE-Pipes

| | SDR11 | SDR17.6 |
|-----------------|--------|---------|
| PE 80 C = 1.25 | PN12.5 | PN7.5 |
| PE 80 C = 1.6 | PN10 | PN6 |
| PE 100 C = 1.25 | PN16 | PN10 |
| PE 100 C = 1.6 | PN12.5 | PN7.5 |

Polyethylene PE 100 – the third Generation of polyethylene

Pressure/temperature diagram for PE PE 100

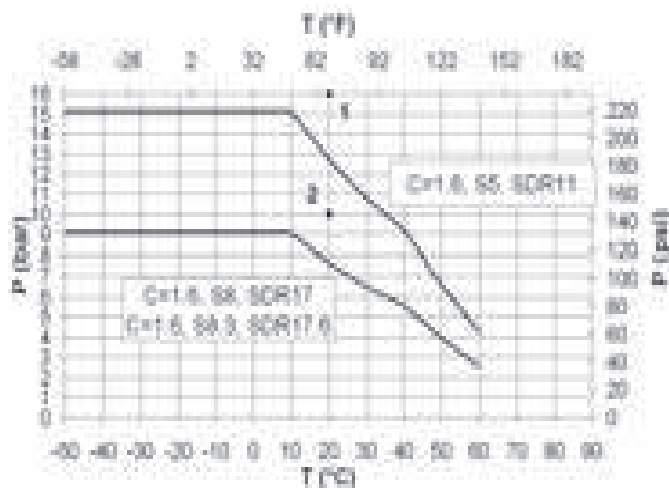
The following pressure/temperature diagram for PE100 pipes and fittings is valid for a lifetime of 25 years.

The design factor of 1.6 (respective 1.25) recommended by GF is incorporated.

It can be used for water or media resembling water, in other words, media which have no derating factor regarding the chemical resistance.

Remark: Please take into account the pressure/temperature diagrams for valves and special fittings. Because of the construction and/or sealing material used, differences are possible when compared with pipes and fittings. This information can be found in the planning fundamentals of the relevant types of valves, respectively special fittings.

In case of long-term applications at continuous pressure with temperatures above 40 °C, please contact your GF representative.



- 1 Design Factor C = 1.25, S5, SDR11 for 20 °C water, 50 years
 - 2 Design Factor C=1.25, S8.3, SDR17.6 and S8, SDR17 for 20°C water, 50 years
- P Permissible pressure in bar, psi
T Temperature in °C, °F

Pressure/temperature diagram for PE PE 80

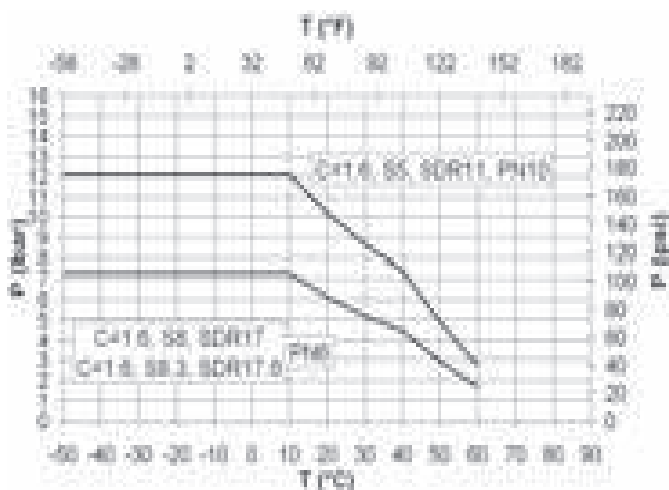
The following pressure/temperature diagram for PE80 pipes and fittings is valid for a lifetime of 25 years.

The design factor of 1.6 recommended by GF is incorporated.

It can be used for water or media resembling water, in other words, media which have no derating factor regarding the chemical resistance.

Remark: Please take into account the pressure/temperature diagrams for valves and special fittings. Because of the construction and/or sealing material used, differences are possible when compared with pipes and fittings. This information can be found in the planning fundamentals of the relevant types of valves, respectively special fittings.

In case of long-term applications at continuous pressure with temperatures above 40 °C please contact your GF representative.



- P Permissible pressure in bar, psi
T Temperature in °C, °F

Comparison of nominal pressure for SDR17 and SDR17.6

Ascertaining the nominal pressure (PN)

According to the standard, the nominal pressure is a numeric measure of the size of a pipeline part, which refers to the mechanical properties of that pipeline part. Besides the geometric sizes such as SDR, the creep strength/dimensioning tension and the minimum design factor are also taken into consideration.

For plastic piping systems intended to carry water, the nominal pressure value indicates the maximum permitted operating pressure in bar, at a temperature of 20°C, and 50 years in water, referenced to the minimum value of the total (calculation) coefficients. It is calculated using the following equation:

$$[PN] = 10 \cdot \sigma_S / [S] = 20 \cdot \sigma_S / (SDR - 1) \quad (\sigma_S \text{ in MPa, PN in bar})$$

Minimum required strength (MRS):

The value of σ_{LCL} at 20°C and 50 years in water, rounded down to the next value in the R10 standard series of numbers.

σ_{LCL} is understood to mean the equivalent stress ascertained for a given period and a given temperature from the time-dependent creep diagram. LCL stands for Lower Confidence Limit. The R10 standard series of numbers is a Renard standard series of numbers as per ISO 3 and ISO 497.

Design stress (σ_S):

The permitted stress for a particular application or operating conditions stated in megapascal. It is derived by dividing the MRS by coefficient C and is calculated as shown in the equation below:

$$\sigma_S = MRS / C$$

The calculated value is rounded down to the next value in the R10 standard series of numbers.

Total operating (calculation) coefficient (C):

A total coefficient having a value greater than one, which takes into account both the operating conditions and also the characteristics of the pipeline component that have not yet been entered into the lower confidence limit σ_{LCL} .

If we use the above definition to calculate the relevant nominal pressure for both SDR classes, the result for a PE 100 pipe is as follows:

| | |
|---------------------------|---------------------------|
| SDR17 | SDR17.6 |
| MRS = 10 MPa | MRS = 10 MPa |
| C = 1.25 (minimum factor) | C = 1.25 (minimum factor) |
| $\sigma = 8.0$ MPa | $\sigma = 8.0$ MPa |
| PN = 10 bar | PN = 9.6 bar |

The above definitions thus produce a difference of 0.4 bar in PN, but in actual practice this does not matter, as shown below:

1.) Industrial pipelines are normally designed for a service life of 25 years. If from the time-dependent creep diagrams we ascertain for ELTEX TUB 121 or CRP 100 an equivalent stress of σ_{LCL} for the operating point of 25 years and 20°C, we obtain a tension of 10.6 MPa (minimum value of both PE100 materials as per manufacturer's data).

2.) If we use this tension to ascertain the dimensioning tension σ_S , and do not round it down, we obtain the value of 8.48 MPa.

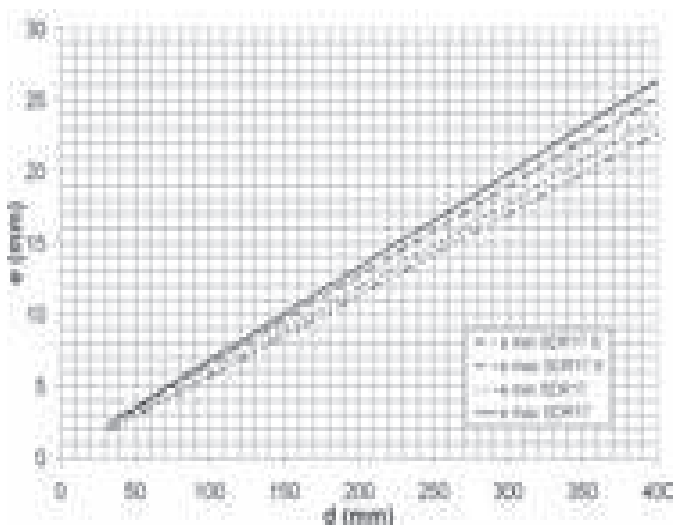
3.) Thus the actual nominal pressure in practice is:

for SDR 17 => PN = 10.6 bar and for
SDR 17.6 => PN = 10.2 bar.

To summarise: Both SDR classes comply with requirements for industrial applications mentioning a PN10 system.

Comparison of geometric dimensions

The two SDR classes differ only slightly in wall thickness, as can be seen from the diagram below. This shows that there is an area where the wall thickness complies with both requirements of both SDR classes.



d Outside pipe diameter
e Wall thickness

For butt fusion the wall thickness gap may not exceed 10 %. Looking at the differences of the wall thicknesses of SDR17 and SDR17.6 the resulting gap is much lower, that means butt fusion of both SDR's is no problem.

PE Industrial Systems Pipes, Fittings, Unions, Flanges and Flange Adaptors

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PE100 pipes

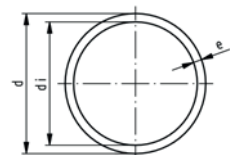
Pipe PE100 S5/SDR11

Model:

- Material: PE 100, Polyethylene
- Colour: RAL 9011 graphite black
- Dimension: DIN 8074
- Pipe length: 5m, with plain ends

* In these two sizes, stiffeners Code No. 733 900 006 (20 x 1,9) and 733 900 007 (25 x 2.3) must be used with socket fusion joints.

93 01 71



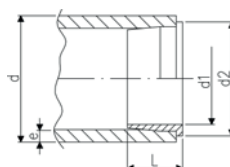
| d [mm] | PN | Code | kg/m | e [mm] | di [mm] |
|-----------|----|--------------------|--------|-----------|------------|
| * 20 | 16 | 193 017 156 | 0.113 | 1,9 | 16.2 |
| * 25 | 16 | 193 017 157 | 0.173 | 2,3 | 20.4 |
| 32 | 16 | 193 017 158 | 0.274 | 2,9 | 26.2 |
| 40 | 16 | 193 017 159 | 0.434 | 3,7 | 32.6 |
| 50 | 16 | 193 017 160 | 0.673 | 4,6 | 40.8 |
| 63 | 16 | 193 017 161 | 1.060 | 5,8 | 51.4 |
| 75 | 16 | 193 017 162 | 1.480 | 6,8 | 61.4 |
| 90 | 16 | 193 017 163 | 2.140 | 8,2 | 73.6 |
| 110 | 16 | 193 017 164 | 3.180 | 10,0 | 90.0 |
| 125 | 16 | 193 017 165 | 4.120 | 11,4 | 102.8 |
| 140 | 16 | 193 017 166 | 5.130 | 12,7 | 114.6 |
| 160 | 16 | 193 017 167 | 6.740 | 14,6 | 130.8 |
| 180 | 16 | 193 017 168 | 8.510 | 16,4 | 147.2 |
| 200 | 16 | 193 017 169 | 10.500 | 18,2 | 163.6 |
| 225 | 16 | 193 017 170 | 13.300 | 20,5 | 184.0 |
| 250 | 16 | 193 017 171 | 16.300 | 22,7 | 204.6 |
| 280 | 16 | 193 017 172 | 20.500 | 25,4 | 229.2 |
| 315 | 16 | 193 017 173 | 25.900 | 28,6 | 257.8 |
| 355 | 16 | 193 017 174 | 32.900 | 32,2 | 290.6 |
| 400 | 16 | 193 017 175 | 41.700 | 36,3 | 327.4 |

33 90 00

Stiffener PE100

Model:

- Material: PE100
- Used as support during d20 and d25 socket fusion jointing to prevent the pipe from collapsing during the heating and jointing process.



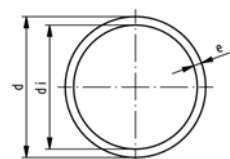
| d [mm] | Code | L [mm] | e [mm] | d1 [mm] | D2 [mm] | d2 [mm] |
|-----------|--------------------|-----------|-----------|------------|------------|------------|
| 20 | 733 900 006 | 10 | 1,9 | 14 | 18 | 18 |
| 25 | 733 900 007 | 11 | 2,3 | 18 | 22 | 23 |

93 01 72

Pipe PE100 S3.2/SDR7.4

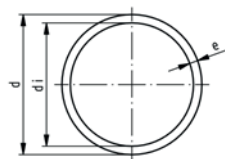
Model:

- Dimension: DIN 8074
- Colour: RAL 9011 graphite black
- Length: 5 m
- for socket fusion without stiffeners
- Not suitable for butt fusion



| d [mm] | Code | kg/m | e [mm] | di [mm] |
|-----------|--------------------|-------|-----------|------------|
| 20 | 193 017 206 | 0.156 | 2,8 | 14.4 |
| 25 | 193 017 207 | 0.243 | 3,5 | 18.0 |

93 01 71



Pipe PE100 S8.3/SDR17.6

Model:

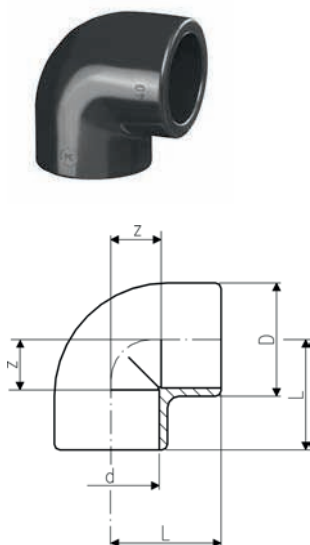
- Material: PE 100, Polyethylene
- Colour: RAL 9011 graphite black
- Dimension: DIN 8074
- Pipe length: 5m, with plain ends

| d [mm] | PN | Code | kg/m | e [mm] | di [mm] | |
|-----------|----|--------------------|--------|-----------|------------|--|
| 50 | 10 | 193 017 110 | 0.445 | 2,9 | 44.2 | |
| 63 | 10 | 193 017 111 | 0.695 | 3,6 | 55.8 | |
| 75 | 10 | 193 017 112 | 0.987 | 4,3 | 66.4 | |
| 90 | 10 | 193 017 113 | 1.400 | 5,1 | 79.8 | |
| 110 | 10 | 193 017 114 | 2.100 | 6,3 | 97.4 | |
| 125 | 10 | 193 017 115 | 2.690 | 7,1 | 110.8 | |
| 140 | 10 | 193 017 116 | 3.370 | 8,0 | 124.0 | |
| 160 | 10 | 193 017 117 | 4.400 | 9,1 | 141.8 | |
| 180 | 10 | 193 017 118 | 5.540 | 10,2 | 159.6 | |
| 200 | 10 | 193 017 119 | 6.860 | 11,4 | 177.2 | |
| 225 | 10 | 193 017 120 | 8.640 | 12,8 | 199.4 | |
| 250 | 10 | 193 017 121 | 10.700 | 14,2 | 221.6 | |
| 280 | 10 | 193 017 122 | 13.300 | 15,9 | 248.2 | |
| 315 | 10 | 193 017 123 | 16.900 | 17,9 | 279.2 | |
| 355 | 10 | 193 017 124 | 21.400 | 20,1 | 314.8 | |
| 400 | 10 | 193 017 125 | 27.200 | 22,7 | 354.6 | |
| 450 | 10 | 193 017 126 | 34.300 | 25,5 | 400.0 | |
| 500 | 10 | 193 017 127 | 42.500 | 28,4 | 443.2 | |

Fittings for Socket Fusion

33 10 01

Elbow 90° PE80



| d [mm] | PN | Code | kg | kg/m | D [mm] | L [mm] | z [mm] | |
|-----------|----|--------------------|-------|-------|-----------|-----------|-----------|--|
| 20 | 10 | 733 100 106 | 0.022 | 0.022 | 31 | 28 | 14 | |
| 25 | 10 | 733 100 107 | 0.031 | 0.031 | 36 | 32 | 16 | |
| 32 | 10 | 733 100 108 | 0.048 | 0.048 | 44 | 38 | 20 | |
| 40 | 10 | 733 100 109 | 0.078 | 0.078 | 54 | 44 | 24 | |
| 50 | 10 | 733 100 110 | 0.129 | 0.129 | 66 | 51 | 28 | |
| 63 | 10 | 733 100 111 | 0.228 | 0.228 | 82 | 62 | 35 | |
| 75 | 10 | 733 100 112 | 0.311 | 0.311 | 93 | 76 | 45 | |
| 90 | 10 | 733 100 113 | 0.498 | 0.498 | 110 | 88 | 53 | |
| 110 | 10 | 733 100 114 | 0.864 | 0.864 | 134 | 106 | 65 | |

33 15 01

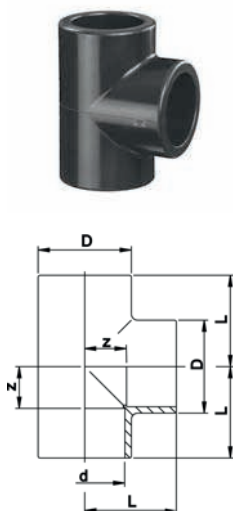
Elbow 45° PE80



| d [mm] | PN | Code | kg | kg/m | D [mm] | L [mm] | z [mm] | |
|-----------|----|--------------------|-------|-------|-----------|-----------|-----------|--|
| 20 | 10 | 733 150 106 | 0.018 | 0.018 | 31 | 21 | 7 | |
| 25 | 10 | 733 150 107 | 0.026 | 0.026 | 36 | 24 | 8 | |
| 32 | 10 | 733 150 108 | 0.043 | 0.043 | 44 | 28 | 10 | |
| 40 | 10 | 733 150 109 | 0.061 | 0.061 | 53 | 33 | 13 | |
| 50 | 10 | 733 150 110 | 0.087 | 0.087 | 64 | 36 | 13 | |
| 63 | 10 | 733 150 111 | 0.184 | 0.184 | 82 | 43 | 16 | |
| 75 | 10 | 733 150 112 | 0.229 | 0.229 | 93 | 51 | 20 | |
| 90 | 10 | 733 150 113 | 0.357 | 0.357 | 114 | 58 | 23 | |
| 110 | 10 | 733 150 114 | 0.653 | 0.653 | 134 | 68 | 27 | |

33 20 01

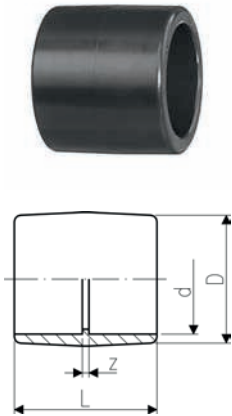
Tee 90° equal PE80



| d [mm] | PN | Code | kg | kg/m | D [mm] | L [mm] | z [mm] | |
|-----------|----|--------------------|-------|-------|-----------|-----------|-----------|--|
| 20 | 10 | 733 200 106 | 0.028 | 0.028 | 31 | 28 | 14 | |
| 25 | 10 | 733 200 107 | 0.041 | 0.041 | 36 | 32 | 16 | |
| 32 | 10 | 733 200 108 | 0.060 | 0.060 | 44 | 38 | 20 | |
| 40 | 10 | 733 200 109 | 0.100 | 0.100 | 54 | 44 | 24 | |
| 50 | 10 | 733 200 110 | 0.166 | 0.166 | 66 | 51 | 28 | |
| 63 | 10 | 733 200 111 | 0.298 | 0.298 | 82 | 62 | 35 | |
| 75 | 10 | 733 200 112 | 0.409 | 0.409 | 93 | 76 | 45 | |
| 90 | 10 | 733 200 113 | 0.749 | 0.749 | 114 | 88 | 53 | |
| 110 | 10 | 733 200 114 | 1.112 | 1.112 | 134 | 106 | 65 | |

33 91 01

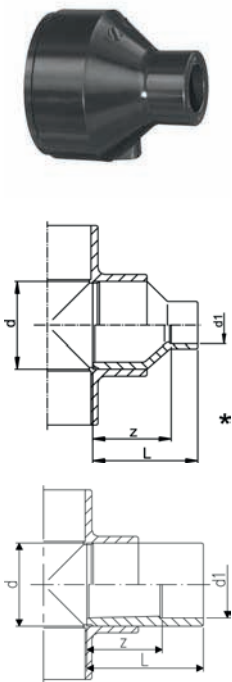
Sockets equal, PE80



| d [mm] | PN | Code | kg | kg/m | D [mm] | L [mm] | z [mm] | |
|-----------|----|--------------------|-------|-------|-----------|-----------|-----------|--|
| 20 | 10 | 733 910 106 | 0.014 | 0.014 | 31 | 35 | 7 | |
| 25 | 10 | 733 910 107 | 0.018 | 0.018 | 36 | 39 | 7 | |
| 32 | 10 | 733 910 108 | 0.027 | 0.027 | 44 | 43 | 7 | |
| 40 | 10 | 733 910 109 | 0.043 | 0.043 | 54 | 48 | 8 | |
| 50 | 10 | 733 910 110 | 0.074 | 0.074 | 66 | 54 | 8 | |
| 63 | 10 | 733 910 111 | 0.124 | 0.124 | 82 | 62 | 8 | |
| 75 | 10 | 733 910 112 | 0.152 | 0.152 | 93 | 70 | 8 | |
| 90 | 10 | 733 910 113 | 0.234 | 0.234 | 112 | 81 | 11 | |
| 110 | 10 | 733 910 114 | 0.419 | 0.419 | 134 | 96 | 14 | |

33 91 03

Reducers, PE80



| d [mm] | d1 [mm] | PN | Code | kg | kg/m | L [mm] | z [mm] | |
|-----------|------------|----|--------------------|-------|-------|-----------|-----------|--|
| 25 | 20 | 10 | 733 910 337 | 0.013 | 0.013 | 39 | 23 | |
| 32 | 25 | 10 | 733 910 341 | 0.021 | 0.021 | 43 | 27 | |
| * 40 | 20 | 10 | 733 910 348 | 0.023 | 0.023 | 48 | 34 | |
| * 40 | 25 | 10 | 733 910 347 | 0.027 | 0.027 | 48 | 32 | |
| 40 | 32 | 10 | 733 910 346 | 0.032 | 0.032 | 48 | 30 | |
| * 50 | 32 | 10 | 733 910 353 | 0.042 | 0.042 | 54 | 36 | |
| 50 | 40 | 10 | 733 910 352 | 0.049 | 0.049 | 54 | 34 | |
| * 63 | 20 | 10 | 733 910 362 | 0.057 | 0.057 | 64 | 50 | |
| * 63 | 25 | 10 | 733 910 361 | 0.060 | 0.060 | 64 | 48 | |
| * 63 | 32 | 10 | 733 910 360 | 0.064 | 0.064 | 64 | 46 | |
| * 63 | 40 | 10 | 733 910 359 | 0.070 | 0.070 | 64 | 44 | |
| 63 | 50 | 10 | 733 910 358 | 0.086 | 0.086 | 64 | 41 | |
| 75 | 63 | 10 | 733 910 364 | 0.103 | 0.103 | 62 | 35 | |
| * 90 | 63 | 10 | 733 910 371 | 0.180 | 0.180 | 88 | 62 | |
| 90 | 75 | 10 | 733 910 370 | 0.144 | 0.144 | 70 | 39 | |
| 110 | 90 | 10 | 733 910 376 | 0.254 | 0.254 | 81 | 45 | |

33 96 01

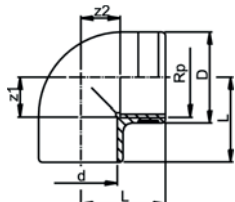
End Caps, PE80



| d [mm] | PN | Code | kg | kg/m | D [mm] | L [mm] | |
|-----------|----|--------------------|-------|-------|-----------|-----------|--|
| 20 | 10 | 733 960 106 | 0.010 | 0.010 | 30 | 27 | |
| 25 | 10 | 733 960 107 | 0.016 | 0.016 | 36 | 30 | |
| 32 | 10 | 733 960 108 | 0.025 | 0.025 | 44 | 34 | |
| 40 | 10 | 733 960 109 | 0.038 | 0.038 | 53 | 38 | |
| 50 | 10 | 733 960 110 | 0.061 | 0.061 | 65 | 44 | |
| 63 | 10 | 733 960 111 | 0.097 | 0.097 | 80 | 51 | |
| 75 | 10 | 733 960 112 | 0.150 | 0.150 | 91 | 66 | |
| 90 | 10 | 733 960 113 | 0.274 | 0.274 | 111 | 77 | |
| 110 | 10 | 733 960 114 | 0.405 | 0.405 | 137 | 93 | |

Adaptor Fittings for Socket Fusion

33 10 02



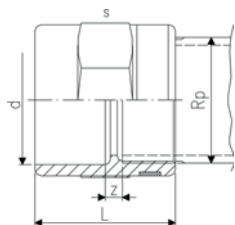
Elbow 90°, PE80 metric - Rp

Model:

- With fusion socket metric and parallel female thread Rp, reinforced
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PE
- Install with low mechanical stress and avoid large cyclic temperature changes

| d [mm] | Rp [inch] | PN | Code | kg | kg/m | D [mm] | L [mm] | z1 [mm] | z2 [mm] |
|-----------|--------------|----|--------------------|-------|-------|-----------|-----------|------------|------------|
| 20 | ½ | 10 | 733 100 206 | 0.024 | 0.024 | 30 | 28 | 14 | 14 |
| 25 | ¾ | 10 | 733 100 207 | 0.033 | 0.033 | 35 | 32 | 16 | 16 |
| 32 | 1 | 10 | 733 100 208 | 0.061 | 0.061 | 44 | 38 | 20 | 20 |
| 40 | 1 ¼ | 10 | 733 100 209 | 0.094 | 0.094 | 54 | 44 | 24 | 24 |

33 91 02



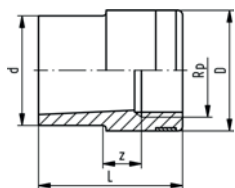
Adaptor Sockets, PE80 metric - Rp

Model:

- With fusion socket metric and parallel female thread Rp, reinforced
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PE
- Install with low mechanical stress and avoid large cyclic temperature changes

| d [mm] | Rp [inch] | PN | Code | kg | kg/m | L [mm] | s [mm] | z [mm] |
|-----------|--------------|----|--------------------|-------|-------|-----------|-----------|-----------|
| 20 | ½ | 10 | 733 910 206 | 0.020 | 0.020 | 35 | 32 | 7 |
| 25 | ¾ | 10 | 733 910 207 | 0.026 | 0.026 | 39 | 36 | 7 |
| 32 | 1 | 10 | 733 910 208 | 0.042 | 0.042 | 45 | 46 | 7 |
| 40 | 1 ¼ | 10 | 733 910 209 | 0.068 | 0.068 | 53 | 55 | 7 |
| 50 | 1 ½ | 10 | 733 910 210 | 0.098 | 0.098 | 54 | 65 | 9 |
| 63 | 2 | 10 | 733 910 211 | 0.155 | 0.155 | 62 | 80 | 9 |

33 91 04



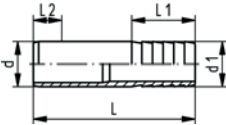
Reducing bush PE80 metric Rp

Model:

- With fusion spigot metric and BSP parallel female thread, reinforced
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PE
- Install with low mechanical stress and avoid large cyclic temperature changes

| d [mm] | Rp [inch] | PN | Code | kg | kg/m | L [mm] | z [mm] |
|-----------|--------------|----|--------------------|-------|-------|-----------|-----------|
| 20 | ¾ | 10 | 733 910 434 | 0.012 | 0.012 | 33 | 7 |
| 25 | ½ | 10 | 733 910 437 | 0.015 | 0.015 | 37 | 6 |
| 32 | ¾ | 10 | 733 910 441 | 0.028 | 0.028 | 43 | 8 |
| 40 | 1 | 10 | 733 910 446 | 0.046 | 0.046 | 49 | 9 |
| 50 | 1 ¼ | 10 | 733 910 452 | 0.071 | 0.071 | 55 | 10 |

53 96 04



Hose connector PE100 metric

Model:

- With socket fusion spigot metric and parallel hose connection

| d [mm] | d1 [mm] | PN | Code | kg | kg/m | L [mm] | L1 [mm] | L2 [mm] | |
|-----------|------------|----|-------------|-------|-------|-----------|------------|------------|--|
| 20 | 20 | 10 | 753 960 406 | 0.006 | 0.006 | 55 | 27 | 14 | |
| 25 | 25 | 10 | 753 960 407 | 0.015 | 0.015 | 68 | 36 | 16 | |
| 32 | 32 | 10 | 753 960 408 | 0.024 | 0.024 | 77 | 36 | 18 | |
| 40 | 40 | 10 | 753 960 409 | 0.035 | 0.035 | 80 | 42 | 20 | |
| 50 | 50 | 10 | 753 960 410 | 0.056 | 0.056 | 90 | 48 | 23 | |
| 63 | 60 | 10 | 753 960 411 | 0.093 | 0.093 | 100 | 50 | 27 | |

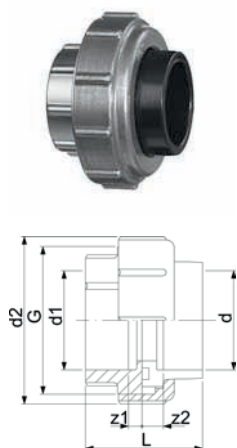
Unions for Socket Fusion

33 58 01

Adapter union PE80 - PE80 metric

Model:

- Union End: Fusion socket, PE80 metric
- Union Bush: Brass with fusion socket insert, PE80 metric
- Union Nut: brass
- Gasket: O-ring NBR (Nitrile-rubber)



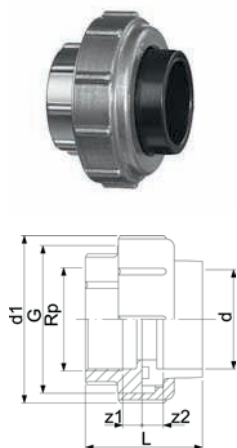
| d [mm] | d1 [mm] | PN | Code | kg | kg/m | G [inch] | L [mm] | z1 [mm] | D2 [mm] | d2 [mm] | z2 [mm] | |
|-----------|------------|----|--------------------|-------|-------|-------------|-----------|------------|------------|------------|------------|--|
| 20 | 20 | 10 | 733 580 106 | 0.163 | 0.163 | 1 1/4 | 46 | 6 | 46 | 46 | 3 | |
| 25 | 25 | 10 | 733 580 107 | 0.214 | 0.214 | 1 1/2 | 49 | 6 | 52 | 52 | 3 | |
| 32 | 32 | 10 | 733 580 108 | 0.294 | 0.294 | 2 | 51 | 6 | 64 | 64 | 3 | |
| 40 | 40 | 10 | 733 580 109 | 0.473 | 0.473 | 2 1/2 | 56 | 8 | 79 | 79 | 3 | |
| 50 | 50 | 10 | 733 580 110 | 0.491 | 0.491 | 2 2/3 | 61 | 8 | 85 | 85 | 3 | |
| 63 | 63 | 10 | 733 580 111 | 0.730 | 0.730 | 3 1/2 | 69 | 8 | 104 | 104 | 3 | |

33 58 02

Adaptor union PE80 - brass metric Rp

Model:

- Union End: Fusion socket, PE80 metric
- Union bush: nickel-plated, parallel female thread Rp
- Union Nut: brass
- Gasket: O-ring NBR (Nitrile-rubber)



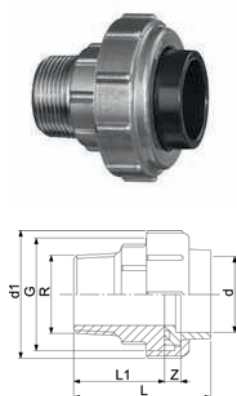
| d [mm] | Rp [inch] | PN | Code | kg | kg/m | G [inch] | L [mm] | d1 [mm] | z1 [mm] | z2 [mm] | |
|-----------|--------------|----|--------------------|-------|-------|-------------|-----------|------------|------------|------------|--|
| 20 | 1/2 | 10 | 733 580 206 | 0.209 | 0.209 | 1 1/4 | 46 | 46 | 6 | 10 | |
| 25 | 3/4 | 10 | 733 580 207 | 0.269 | 0.269 | 1 1/2 | 48 | 52 | 6 | 9 | |
| 32 | 1 | 10 | 733 580 208 | 0.376 | 0.376 | 2 | 51 | 64 | 6 | 8 | |
| 40 | 1 1/4 | 10 | 733 580 209 | 0.596 | 0.596 | 2 1/2 | 56 | 79 | 8 | 7 | |
| 50 | 1 1/2 | 10 | 733 580 210 | 0.666 | 0.666 | 2 3/4 | 59 | 85 | 8 | 7 | |
| 63 | 2 | 10 | 733 580 211 | 0.960 | 0.960 | 3 1/2 | 65 | 104 | 8 | 5 | |

33 58 07

Adaptor union PE80 - brass metric R

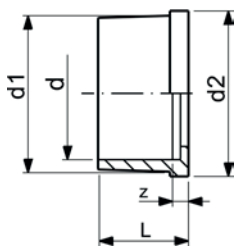
Model:

- Union End: Fusion socket, PE80 metric
- Union bush: nickel-plated, taper male thread R
- Union Nut: brass
- Gasket: O-ring NBR (Nitrile-rubber)



| d [mm] | R [inch] | PN | Code | kg | kg/m | d1 [mm] | G [inch] | L [mm] | L1 [mm] | z [mm] | |
|-----------|-------------|----|--------------------|-------|-------|------------|-------------|-----------|------------|-----------|--|
| 20 | 1/2 | 10 | 733 580 706 | 0.260 | 0.260 | 46 | 1 1/4 | 62 | 40 | 6 | |
| 25 | 3/4 | 10 | 733 580 707 | 0.324 | 0.324 | 52 | 1 1/2 | 65 | 41 | 6 | |
| 32 | 1 | 10 | 733 580 708 | 0.470 | 0.470 | 64 | 2 | 71 | 45 | 6 | |
| 40 | 1 1/4 | 10 | 733 580 709 | 0.754 | 0.754 | 79 | 2 1/2 | 78 | 48 | 8 | |
| 50 | 1 1/2 | 10 | 733 580 710 | 0.781 | 0.781 | 85 | 2 3/4 | 81 | 43 | 8 | |
| 63 | 2 | 10 | 733 580 711 | 1.166 | 1.166 | 104 | 3 1/2 | 91 | 54 | 8 | |

34 60 01



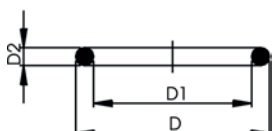
Union end PE80

Model:

- With fusion socket metric
- Suitable for unions, tank connectors and diaphragm valves Type 514

| d [mm] | PN | Code | kg | kg/m | d1 [mm] | d2 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|----|--------------------|-------|-------|------------|------------|-----------|------------|-----------|--|
| 20 | 10 | 734 600 106 | 0.006 | 0.006 | 28 | 30 | 19 | 5 | 5 | |
| 25 | 10 | 734 600 107 | 0.013 | 0.013 | 36 | 39 | 21 | 5 | 5 | |
| 32 | 10 | 734 600 108 | 0.015 | 0.015 | 42 | 45 | 23 | 6 | 5 | |
| 40 | 10 | 734 600 109 | 0.026 | 0.026 | 53 | 57 | 25 | 6 | 5 | |
| 50 | 10 | 734 600 110 | 0.025 | 0.025 | 59 | 63 | 28 | 7 | 5 | |
| 63 | 10 | 734 600 111 | 0.044 | 0.044 | 74 | 79 | 32 | 8 | 5 | |

EPDM 48 41 00
FPM 49 41 00



O-Ring Gaskets

Model:

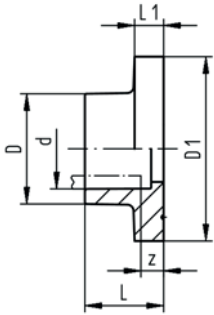
- For unions and adaptor unions
- Hardness approx. 65° Shore
- EPDM minimum temperature -40°C
- FPM minimum temperature -15°C

* for unions PVC-U, PVC-C and ABS: 21 51 01, 21 51 11, 21 53 03, 21 53 08, 21 55 04, 21 55 13, 21 55 18, 23 51 01 and 29 51 01 only

| d [mm] | DN [mm] | EPDM Code | FPM Code | kg | kg/m | D [mm] | D1 [mm] | D2 [mm] | |
|-----------|------------|--------------------|--------------------|-------|-------|-----------|------------|------------|--|
| 10 - 12 | 8 | 748 410 004 | 749 410 004 | 0.001 | 0.001 | 18 | 12 | 2.62 | |
| 16 | 10 | 748 410 005 | 749 410 005 | 0.001 | 0.001 | 21 | 16 | 2.62 | |
| 20 | 15 | 748 410 006 | 749 410 006 | 0.001 | 0.001 | 27 | 20 | 3.53 | |
| 25 | 20 | 748 410 007 | 749 410 007 | 0.002 | 0.002 | 35 | 28 | 3.53 | |
| 32 | 25 | 748 410 008 | 749 410 008 | 0.002 | 0.002 | 40 | 33 | 3.53 | |
| 40 | 32 | 748 410 009 | 749 410 009 | 0.007 | 0.007 | 51 | 41 | 5.34 | |
| 50 | 40 | 748 410 010 | 749 410 010 | 0.060 | 0.060 | 58 | 47 | 5.34 | |
| 63 | 50 | 748 410 011 | 749 410 011 | 0.003 | 0.003 | 70 | 60 | 5.34 | |
| 75 | 65 | 748 410 014 | 749 410 014 | 0.012 | 0.012 | 93 | 82 | 5.34 | |
| 90 | 80 | 748 410 015 | 749 410 015 | 0.015 | 0.015 | 112 | 101 | 5.34 | |
| * 90 | 80 | 748 410 248 | 749 410 248 | 0.020 | 0.020 | 105 | 95 | 5.34 | |
| 110 | 100 | 748 410 016 | 749 410 016 | 0.031 | 0.031 | 134 | 120 | 6.99 | |

Flange Adaptors, Flanges and Gaskets for Socket Fusion

53 79 02



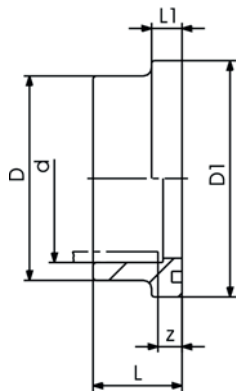
Flange adaptor PE100 Jointing face flat/serrated

Model:

- Counterpart: Flange Adaptor flat/serrated or with O-ring groove
- Connection: according to EN ISO 15494-, DIN 16963-11
- Gasket: Profile flange gasket EPDM No. 48 44 07, FPM No. 49 44 07
- Flanges: PP with steel core, No. 27 70 02, PP-V, No 27 70 04

| d [mm] | DN [mm] | PN | Code | kg | kg/m | D [mm] | D1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|------------|----|--------------------|-------|-------|-----------|------------|-----------|------------|-----------|--|
| 20 | 15 | 10 | 753 790 206 | 0.013 | 0.013 | 27 | 45 | 19 | 7 | 5 | |
| 25 | 20 | 10 | 753 790 207 | 0.022 | 0.022 | 33 | 58 | 21 | 9 | 5 | |
| 32 | 25 | 10 | 753 790 208 | 0.035 | 0.035 | 41 | 68 | 23 | 10 | 5 | |
| 40 | 32 | 10 | 753 790 209 | 0.052 | 0.052 | 50 | 78 | 25 | 11 | 5 | |
| 50 | 40 | 10 | 753 790 210 | 0.061 | 0.061 | 61 | 88 | 28 | 12 | 5 | |
| 63 | 50 | 10 | 753 790 211 | 0.095 | 0.095 | 76 | 102 | 32 | 14 | 5 | |
| 75 | 65 | 10 | 753 790 212 | 0.163 | 0.163 | 90 | 122 | 36 | 16 | 5 | |
| 90 | 80 | 10 | 753 790 213 | 0.203 | 0.203 | 108 | 138 | 42 | 17 | 7 | |
| 110 | 100 | 10 | 753 790 214 | 0.293 | 0.293 | 131 | 158 | 48 | 18 | 7 | |

33 81 01



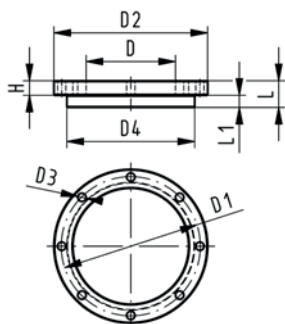
Flange adaptor PE80 Jointing face with o-ring groove

Model:

- Counterpart: Flange adaptor flat/serrated 53 79 02
- Gasket: O-Ring EPDM No. 48 41 00
- Flanges: PP with steel core, No. 27 70 02, PP-V, No 27 70 04

| d [mm] | DN [mm] | PN | Code | kg | kg/m | D [mm] | D1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|------------|----|--------------------|-------|-------|-----------|------------|-----------|------------|-----------|--|
| 20 | 15 | 10 | 733 810 106 | 0.008 | 0.008 | 27 | 34 | 22 | 9 | 8 | |
| 25 | 20 | 10 | 733 810 107 | 0.012 | 0.012 | 33 | 41 | 24 | 10 | 8 | |
| 32 | 25 | 10 | 733 810 108 | 0.019 | 0.019 | 41 | 50 | 26 | 10 | 8 | |
| 40 | 32 | 10 | 733 810 109 | 0.031 | 0.031 | 50 | 61 | 30 | 13 | 10 | |
| 50 | 40 | 10 | 733 810 110 | 0.044 | 0.044 | 61 | 73 | 33 | 13 | 10 | |
| 63 | 50 | 10 | 733 810 111 | 0.072 | 0.072 | 76 | 90 | 37 | 14 | 10 | |
| 75 | 65 | 10 | 733 810 112 | 0.112 | 0.112 | 90 | 106 | 40 | 15 | 10 | |
| 90 | 80 | 10 | 733 810 113 | 0.185 | 0.185 | 108 | 125 | 47 | 16 | 12 | |
| 110 | 100 | 10 | 733 810 114 | 0.285 | 0.285 | 131 | 150 | 55 | 18 | 13 | |

53 70 06



Blanking flange set PE

Combined jointing face flat and serrated metric

Model:

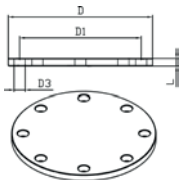
- d63 - d315: Backing Flange PP-V with End Blank PE
- d355 - d630: Backing Flange PP/Steel with End Blank PE
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 10**

AL: number of holes

L: length of the End Blank

| d [mm] | DN [mm] | PN | Code | kg | kg/m | |
|-----------|------------|----|--------------------|--------|--------|--|
| 63 | 50 | 16 | 753 700 611 | 0.674 | 0.674 | |
| 75 | 65 | 16 | 753 700 612 | 0.910 | 0.910 | |
| 90 | 80 | 16 | 753 700 613 | 0.921 | 0.921 | |
| 110 | 100 | 16 | 753 700 614 | 1.158 | 1.158 | |
| 125 | 100 | 16 | 753 700 615 | 1.678 | 1.678 | |
| 140 | 125 | 16 | 753 700 616 | 1.913 | 1.913 | |
| 160 | 150 | 16 | 753 700 617 | 2.373 | 2.373 | |
| 180 | 150 | 16 | 753 700 618 | 2.430 | 2.430 | |
| 200 | 200 | 16 | 753 700 619 | 3.495 | 3.495 | |
| 225 | 200 | 16 | 753 700 620 | 3.744 | 3.744 | |
| 250 | 250 | 16 | 753 700 621 | 6.051 | 6.051 | |
| 280 | 250 | 16 | 753 700 622 | 6.305 | 6.305 | |
| 315 | 300 | 16 | 753 700 623 | 8.894 | 8.894 | |
| 355 | 350 | 16 | 753 700 624 | 23.198 | 23.198 | |
| 400 | 400 | 16 | 753 700 625 | 30.766 | 30.766 | |
| 450 | 500 | 10 | 753 700 626 | 44.271 | 44.271 | |
| 500 | 500 | 10 | 753 700 627 | 47.165 | 47.165 | |
| 560 | 600 | 10 | 753 700 628 | 67.147 | 67.147 | |
| 630 | 600 | 10 | 753 700 629 | 68.574 | 68.574 | |

| d [mm] | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | D4 [mm] | H [mm] | L [mm] | L1 [mm] | AL | |
|-----------|-----------|------------|------------|------------|------------|-----------|-----------|------------|----|--|
| 63 | 75 | 125 | 165 | 18 | 102 | 24 | 30 | 14 | 4 | |
| 75 | 89 | 145 | 185 | 18 | 122 | 26 | 30 | 16 | 4 | |
| 90 | 105 | 160 | 200 | 18 | 138 | 27 | 30 | 17 | 8 | |
| 110 | 125 | 180 | 220 | 18 | 158 | 28 | 30 | 18 | 8 | |
| 125 | 132 | 180 | 220 | 18 | 158 | 28 | 35 | 25 | 8 | |
| 140 | 155 | 210 | 250 | 18 | 188 | 30 | 40 | 25 | 8 | |
| 160 | 175 | 240 | 285 | 22 | 212 | 32 | 40 | 25 | 8 | |
| 180 | 180 | 240 | 285 | 22 | 212 | 32 | 45 | 30 | 8 | |
| 200 | 232 | 295 | 340 | 22 | 268 | 34 | 50 | 32 | 8 | |
| 225 | 235 | 295 | 340 | 22 | 268 | 34 | 50 | 32 | 8 | |
| 250 | 285 | 350 | 395 | 22 | 320 | 38 | 55 | 35 | 12 | |
| 280 | 291 | 350 | 395 | 22 | 320 | 38 | 60 | 35 | 12 | |
| 315 | 335 | 400 | 445 | 22 | 370 | 42 | 65 | 35 | 12 | |
| 355 | 373 | 460 | 515 | 22 | 430 | 40 | 70 | 40 | 16 | |
| 400 | 427 | 515 | 574 | 26 | 482 | 40 | 75 | 46 | 16 | |
| 450 | 510 | 620 | 684 | 26 | 585 | 49 | 80 | 60 | 20 | |
| 500 | 530 | 620 | 684 | 26 | 585 | 49 | 90 | 60 | 20 | |
| 560 | 615 | 725 | 796 | 30 | 685 | 58 | 100 | 60 | 20 | |
| 630 | 642 | 725 | 796 | 30 | 685 | 68 | 110 | 60 | 20 | |

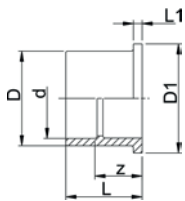


Blanking Flanges PE100

Model:

- made out of sheet material
- **Bolt circle PN 10**

| d [mm] | DN [mm] | PN | Code | L [mm] | D [mm] | D1 [mm] | D3 [mm] | AL | |
|-----------|------------|-----|--------------------|-----------|-----------|------------|------------|----|--|
| 63 | 50 | 2,5 | 700 647 886 | 15 | 165 | 125 | 18 | 4 | |
| 75 | 65 | 2,5 | 700 647 887 | 15 | 185 | 145 | 18 | 4 | |
| 90 | 80 | 2,5 | 700 647 888 | 15 | 200 | 160 | 18 | 8 | |
| 110 | 100 | 2,5 | 700 647 889 | 15 | 220 | 180 | 18 | 8 | |
| 125 | 100 | 2,5 | 700 647 890 | 15 | 220 | 180 | 18 | 8 | |
| 140 | 125 | 2,5 | 700 647 891 | 15 | 250 | 210 | 18 | 8 | |
| 160 | 150 | 2,5 | 700 647 892 | 20 | 285 | 240 | 22 | 8 | |
| 180 | 150 | 2,5 | 700 647 893 | 25 | 285 | 240 | 22 | 8 | |
| 200 | 200 | 2,5 | 700 647 894 | 25 | 340 | 295 | 22 | 8 | |
| 225 | 200 | 2,5 | 700 647 895 | 30 | 340 | 295 | 22 | 8 | |
| 250 | 250 | 2,5 | 700 647 896 | 30 | 395 | 350 | 22 | 12 | |
| 280 | 250 | 2,5 | 700 647 897 | 30 | 395 | 350 | 22 | 12 | |
| 315 | 300 | 2,5 | 700 647 898 | 40 | 445 | 400 | 22 | 12 | |
| 355 | 350 | 2,5 | 700 647 899 | 40 | 515 | 460 | 22 | 16 | |
| 400 | 400 | 2,5 | 700 647 900 | 45 | 574 | 515 | 26 | 16 | |
| 450 | 500 | 2,5 | 700 647 901 | 55 | 670 | 620 | 26 | 20 | |
| 500 | 500 | 2,5 | 700 647 902 | 60 | 670 | 620 | 26 | 20 | |
| 560 | 600 | 2,5 | 700 647 903 | 65 | 780 | 725 | 30 | 20 | |
| 630 | 600 | 2,5 | 700 647 904 | 75 | 780 | 725 | 30 | 20 | |



Outlet flange adaptor PE80

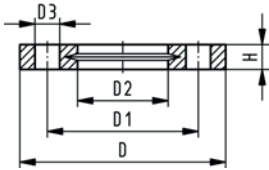
Jointing face flat

Model:

- With fusion socket metric
- Suitable for wafer check valves Type 369
- To be installed on the outlet side of the valve
- Use flanges PP-V 27 70 04

| d [mm] | DN [mm] | PN | Code | kg | kg/m | D [mm] | D1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|------------|----|--------------------|-------|-------|-----------|------------|-----------|------------|-----------|--|
| 40 | 32 | 6 | 733 800 009 | 0.065 | 0.065 | 50 | 78 | 55 | 11 | 35 | |
| 50 | 40 | 6 | 733 800 010 | 0.088 | 0.088 | 61 | 88 | 61 | 12 | 38 | |
| 63 | 50 | 6 | 733 800 011 | 0.136 | 0.136 | 76 | 102 | 69 | 14 | 41 | |
| 75 | 65 | 6 | 733 800 012 | 0.223 | 0.223 | 90 | 122 | 79 | 16 | 49 | |
| 90 | 80 | 6 | 733 800 013 | 0.357 | 0.357 | 107 | 138 | 100 | 17 | 65 | |
| 110 | 100 | 6 | 733 800 014 | 0.482 | 0.482 | 130 | 158 | 105 | 18 | 62 | |

27 70 04
27 70 05



Backing Flanges, PP-V For socket systems metric

Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt retainers as an assembly aid
- UV-resistant. Applicable for outside applications
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

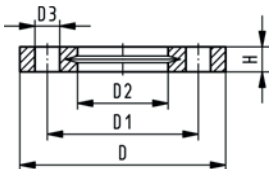
* Combined version, metric-ANSI

AL: number of holes

¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC |
|------------------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|----|-----|
| ¹⁾ 20 | 15 | 16 | 727 700 406 | 0.093 | 95 | 65.0 | 28 | 14 | 16 | 4 | M12 |
| ¹⁾ 25 | 20 | 16 | 727 700 407 | 0.120 | 105 | 75.0 | 34 | 14 | 17 | 4 | M12 |
| ¹⁾ 32 | 25 | 16 | 727 700 408 | 0.151 | 115 | 85.0 | 42 | 14 | 18 | 4 | M12 |
| ¹⁾ 40 | 32 | 16 | 727 700 409 | 0.244 | 140 | 100.0 | 51 | 18 | 20 | 4 | M16 |
| ¹⁾ 50 | 40 | 16 | 727 700 410 | 0.297 | 150 | 110.0 | 62 | 18 | 22 | 4 | M16 |
| ¹⁾ 63 | 50 | 16 | 727 700 411 | 0.362 | 165 | 125.0 | 78 | 18 | 24 | 4 | M16 |
| ¹⁾ 75 | 65 | 16 | 727 700 412 | 0.487 | 185 | 145.0 | 92 | 18 | 26 | 4 | M16 |
| 90 | 80 | 16 | 727 700 413 | 0.550 | 200 | 160.0 | 110 | 18 | 27 | 8 | M16 |
| 110 | 100 | 16 | 727 700 414 | 0.640 | 220 | 180.0 | 133 | 18 | 28 | 8 | M16 |

27 70 14
27 70 15



Backing Flanges, PP-V For socket systems Inch ANSI

Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt-fixing as an assembly aid
- UV-resistant. Applicable for outside applications
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**

- 727701414, 727700417, 727700419: only for use with original metric flange adaptors

¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)

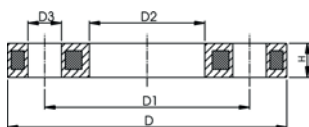
AL: number of holes

* Combined version, metric-ANSI

| Inch | DN [mm] | d [mm] | PN | Code | kg | kg/m |
|------------------|------------|-----------|----|--------------------|-------|-------|
| ¹ ½ | 15 | 20 | 16 | 727 701 406 | 0.091 | 0.091 |
| ³ ¼ | 20 | 25 | 16 | 727 701 407 | 0.120 | 0.120 |
| ¹ 1 | 25 | 32 | 16 | 727 701 408 | 0.147 | 0.147 |
| ¹ 1 ¼ | 32 | 40 | 16 | 727 701 409 | 0.246 | 0.246 |
| ¹ 1 ½ | 40 | 50 | 16 | 727 701 410 | 0.299 | 0.299 |
| ¹ 2 | 50 | 63 | 16 | 727 701 411 | 0.361 | 0.361 |
| ¹ 2 ½ | 65 | 75 | 16 | 727 701 412 | 0.492 | 0.492 |
| 3 | 80 | 90 | 16 | 727 701 413 | 0.605 | 0.605 |
| 4 | 100 | 110 | 16 | 727 701 414 | 0.704 | 0.704 |

| Inch | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC |
|------------------|-----------|------------|------------|------------|-----------|----|-----|
| ¹ ½ | 95 | 60.0 | 28 | 16 | 16 | 4 | M12 |
| ³ ¼ | 105 | 70.0 | 34 | 16 | 17 | 4 | M12 |
| ¹ 1 | 115 | 79.0 | 42 | 16 | 18 | 4 | M12 |
| ¹ 1 ¼ | 140 | 89.0 | 51 | 16 | 20 | 4 | M16 |
| ¹ 1 ½ | 150 | 98.0 | 62 | 16 | 22 | 4 | M16 |
| ¹ 2 | 165 | 121.0 | 78 | 19 | 24 | 4 | M16 |
| ¹ 2 ½ | 185 | 140.0 | 92 | 19 | 26 | 4 | M16 |
| 3 | 200 | 152.0 | 110 | 19 | 27 | 4 | M16 |
| 4 | 229 | 190.0 | 133 | 19 | 28 | 8 | M16 |

27 70 02



Backing flange PP-Steel For socket systems metric

Model:

- PP-GF (30% glass-fibre reinforced) with steel ring
- UV-resistant. Applicable for outside applications
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

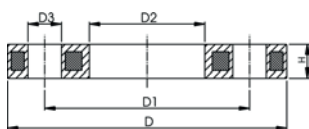
¹ Connecting dimension: ISO 2536, bolt circle acc. DN125, suitable for flange adaptor d125/DN100

² Connecting dimension: ISO 2536, bolt circle acc. DN225, suitable for flange adaptor d250/DN250

AL: number of holes

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|----|-----|--|
| 20 | 15 | 16 | 727 700 206 | 0.216 | 95 | 65 | 28 | 14 | 12 | 4 | M12 | |
| 25 | 20 | 16 | 727 700 207 | 0.279 | 105 | 75 | 34 | 14 | 12 | 4 | M12 | |
| 32 | 25 | 16 | 727 700 208 | 0.429 | 115 | 85 | 42 | 14 | 16 | 4 | M12 | |
| 40 | 32 | 16 | 727 700 209 | 0.621 | 140 | 100 | 51 | 18 | 16 | 4 | M16 | |
| 50 | 40 | 16 | 727 700 210 | 0.722 | 150 | 110 | 62 | 18 | 20 | 4 | M16 | |
| 63 | 50 | 16 | 727 700 211 | 1.084 | 165 | 125 | 78 | 18 | 20 | 4 | M16 | |
| 75 | 65 | 16 | 727 700 212 | 1.349 | 185 | 145 | 92 | 18 | 20 | 4 | M16 | |
| 90 | 80 | 16 | 727 700 213 | 1.369 | 200 | 160 | 110 | 18 | 20 | 8 | M16 | |
| 110 | 100 | 16 | 727 700 214 | 1.522 | 220 | 180 | 133 | 18 | 20 | 8 | M16 | |

27 70 12



Backing Flanges, PP/Steel For socket systems Inch/ANSI

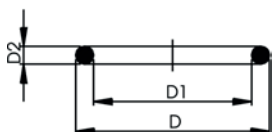
Model:

- For Flange Adaptors BS/ANSI
- Material: PP (30 % glass-fibre reinforced) with steel ring
- UV-resistant. Applicable for outside applications
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**
- 727701214, 727700217: only for use with original metric flange adaptors

AL: number of holes

| d [inch] | DN [mm] | d [mm] | PN | Code | kg | kg/m | D1 [mm] | D2 [mm] | D3 [mm] | D [mm] | H [mm] | AL | SC | |
|-------------|------------|-----------|----|--------------------|-------|-------|------------|------------|------------|-----------|-----------|----|-----|--|
| ½ | 15 | 20 | 16 | 727 701 206 | 0.213 | 0.213 | 60 | 28 | 16 | 95 | 12 | 4 | M12 | |
| ¾ | 20 | 25 | 16 | 727 701 207 | 0.260 | 0.260 | 70 | 34 | 16 | 105 | 12 | 4 | M12 | |
| 1 | 25 | 32 | 16 | 727 701 208 | 0.416 | 0.416 | 79 | 42 | 16 | 115 | 16 | 4 | M12 | |
| 1 ¼ | 32 | 40 | 16 | 727 701 209 | 0.730 | 0.730 | 89 | 51 | 16 | 140 | 16 | 4 | M16 | |
| 1 ½ | 40 | 50 | 16 | 727 701 210 | 0.809 | 0.809 | 98 | 62 | 16 | 150 | 18 | 4 | M16 | |
| 2 | 50 | 63 | 16 | 727 701 211 | 0.866 | 0.866 | 121 | 78 | 19 | 165 | 18 | 4 | M16 | |
| 2 ½ | 65 | 75 | 16 | 727 701 212 | 1.117 | 1.117 | 140 | 92 | 19 | 185 | 18 | 4 | M16 | |
| 3 | 80 | 90 | 16 | 727 701 213 | 1.492 | 1.492 | 152 | 110 | 19 | 200 | 20 | 4 | M16 | |
| 4 | 100 | 110 | 16 | 727 701 214 | 1.695 | 1.695 | 190 | 133 | 19 | 229 | 20 | 8 | M16 | |

EPDM 48 41 01
FPM 49 41 01



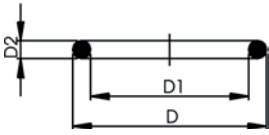
O-Ring Gaskets

Model:

- For Flange Adaptors
- Hardness approx. 65° Shore

| d [mm] | DN [mm] | EPDM Code | FPM Code | kg | kg/m | D [mm] | D1 [mm] | D2 [mm] | |
|-----------|------------|--------------------|--------------------|-------|-------|-----------|------------|------------|--|
| 20 | 15 | 748 410 001 | 749 410 001 | 0.002 | 0.002 | 31 | 23 | 3.53 | |
| 25 | 20 | 748 410 007 | 749 410 007 | 0.002 | 0.002 | 35 | 28 | 3.53 | |
| 32 | 25 | 748 410 002 | 749 410 002 | 0.003 | 0.003 | 43 | 36 | 3.53 | |
| 40 | 32 | 748 410 003 | 749 410 003 | 0.001 | 0.001 | 55 | 44 | 5.34 | |
| 50 | 40 | 748 410 012 | 749 410 012 | 0.008 | 0.008 | 64 | 53 | 5.34 | |
| 63 | 50 | 748 410 013 | 749 410 013 | 0.011 | 0.011 | 80 | 69 | 5.34 | |

table continued next page



| d [mm] | DN [mm] | EPDM Code | FPM Code | kg | kg/m | D [mm] | D1 [mm] | D2 [mm] | |
|-----------|------------|--------------------|--------------------|-------|-------|-----------|------------|------------|--|
| 75 | 65 | 748 410 014 | 749 410 014 | 0.012 | 0.012 | 93 | 82 | 5.34 | |
| 90 | 80 | 748 410 015 | 749 410 015 | 0.015 | 0.015 | 112 | 101 | 5.34 | |
| 110 | 100 | 748 410 016 | 749 410 016 | 0.031 | 0.031 | 134 | 120 | 6.99 | |

Fittings for Butt Fusion

53 01 87

Bend 90° PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100



| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | R [mm] | e [mm] | PF | |
|-----------|----|-------------|--------|-----------|------------|-----------|-----------|--------------|--|
| 20 | IR | 753 018 706 | 0.007 | 38 | 23 | 15 | 1.9 | 2 68 240 006 | |
| 25 | IR | 753 018 707 | 0.013 | 42 | 23 | 19 | 2.3 | 2 68 240 006 | |
| 32 | IR | 753 018 708 | 0.025 | 46 | 22 | 24 | 2.9 | 2 68 240 006 | |
| 40 | IR | 753 018 709 | 0.041 | 51 | 21 | 30 | 3.7 | 2 68 240 006 | |
| 50 | IR | 753 018 710 | 0.065 | 58 | 21 | 37 | 4.6 | 2 68 240 006 | |
| 63 | IR | 753 018 711 | 0.124 | 66 | 21 | 45 | 5.8 | 2 68 240 006 | |
| 75 | IR | 753 018 712 | 0.246 | 100 | 20 | 90 | 6.8 | 2 68 240 006 | |
| 90 | IR | 753 018 713 | 0.355 | 100 | 20 | 90 | 8.2 | 2 68 240 006 | |
| 110 | IR | 753 018 714 | 0.757 | 141 | 25 | 130 | 10.0 | 2 68 240 006 | |
| 125 | IR | 753 018 690 | 1.014 | 140 | 15 | 125 | 11.4 | 2 68 240 002 | |
| 140 | IR | 753 018 691 | 1.383 | 155 | 15 | 140 | 12.7 | 2 68 240 002 | |
| 160 | IR | 753 018 692 | 1.991 | 175 | 15 | 160 | 14.6 | 2 68 240 002 | |
| 180 | IR | 753 018 693 | 2.876 | 195 | 15 | 180 | 16.4 | 2 68 240 002 | |
| 200 | IR | 753 018 694 | 3.882 | 215 | 15 | 200 | 18.2 | 2 68 240 002 | |
| 225 | IR | 753 018 695 | 5.587 | 245 | 20 | 225 | 20.5 | 2 68 240 002 | |
| 250 | -- | 753 018 621 | 6.713 | 256 | 48 | 232 | 22.7 | 2 68 240 002 | |
| 280 | -- | 753 018 622 | 9.885 | 286 | 48 | 262 | 25.4 | 2 68 240 002 | |
| 315 | -- | 753 018 623 | 14.158 | 321 | 48 | 297 | 28.6 | 2 68 240 002 | |
| 355 | -- | 753 021 024 | 17.200 | 380 | 38 | 355 | 32.3 | 2 68 240 040 | |
| 400 | -- | 753 021 025 | 31.100 | 434 | 41 | 400 | 36.3 | 2 68 240 040 | |
| 450 | -- | 753 021 026 | 38.300 | 445 | 49 | 450 | 40.9 | 2 68 240 040 | |
| 500 | -- | 753 021 027 | 47.300 | 450 | 49 | 500 | 45.5 | 2 68 240 040 | |

Bend 90° PE100 SDR17/17.6

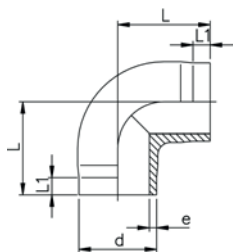
Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100



| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | R [mm] | e [mm] | PF | |
|-----------|----|-------------|--------|-----------|------------|-----------|-----------|--------------|--|
| 50 | IR | 753 018 635 | 0.052 | 58 | 21 | 37 | 2.9 | 2 68 240 026 | |
| 63 | IR | 753 018 636 | 0.087 | 66 | 21 | 45 | 3.6 | 2 68 240 026 | |
| 75 | IR | 753 018 737 | 0.176 | 100 | 20 | 90 | 4.3 | 2 68 240 026 | |
| 90 | IR | 753 018 738 | 0.245 | 100 | 20 | 90 | 5.1 | 2 68 240 026 | |
| 110 | IR | 753 018 739 | 0.513 | 141 | 20 | 130 | 6.3 | 2 68 240 026 | |
| 125 | IR | 753 018 590 | 0.692 | 140 | 15 | 125 | 7.1 | 2 68 240 022 | |
| 140 | IR | 753 018 591 | 0.904 | 155 | 15 | 140 | 8.0 | 2 68 240 022 | |
| 160 | IR | 753 018 592 | 1.350 | 175 | 15 | 160 | 9.1 | 2 68 240 022 | |
| 180 | IR | 753 018 593 | 1.935 | 195 | 15 | 180 | 10.2 | 2 68 240 022 | |
| 200 | IR | 753 018 594 | 2.578 | 215 | 15 | 200 | 11.4 | 2 68 240 022 | |
| 225 | IR | 753 018 595 | 3.542 | 245 | 15 | 225 | 12.8 | 2 68 240 022 | |
| 250 | -- | 753 018 521 | 4.645 | 256 | 48 | 232 | 14.2 | 2 68 240 002 | |
| 280 | -- | 753 018 522 | 7.020 | 286 | 48 | 262 | 15.9 | 2 68 240 002 | |
| 315 | -- | 753 018 523 | 10.099 | 321 | 48 | 297 | 17.9 | 2 68 240 002 | |
| 355 | -- | 753 020 824 | 11.300 | 340 | 38 | 355 | 21.1 | 2 68 240 040 | |
| 400 | -- | 753 020 825 | 15.700 | 345 | 41 | 400 | 23.7 | 2 68 240 040 | |
| 450 | -- | 753 020 826 | 25.868 | 449 | 49 | 450 | 25.8 | 2 68 240 040 | |
| 500 | -- | 753 020 827 | 35.000 | 449 | 49 | 500 | 32.0 | 2 68 240 040 | |

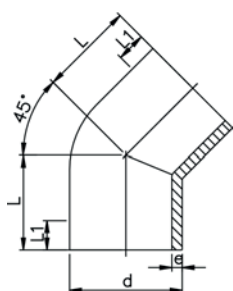
53 10 86

**Elbow 90° PE100 SDR11****Model:**

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | e [mm] | |
|-----------|----|--------------------|-------|-----------|------------|-----------|--|
| 20 | IR | 753 108 606 | 0.009 | 38 | 25 | 1,9 | |
| 25 | IR | 753 108 607 | 0.013 | 42 | 26 | 2,3 | |
| 32 | IR | 753 108 608 | 0.026 | 46 | 27 | 2,9 | |
| 40 | IR | 753 108 609 | 0.047 | 51 | 22 | 3,7 | |
| 50 | IR | 753 108 610 | 0.086 | 58 | 23 | 4,6 | |
| 63 | IR | 753 108 611 | 0.150 | 66 | 21 | 5,8 | |

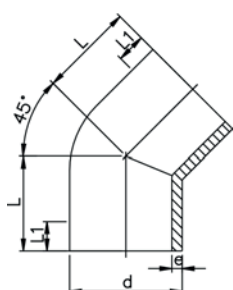
53 15 86

**Elbow 45° PE100 SDR11****Model:**

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | e [mm] | PF | |
|-----------|----|--------------------|-------|-----------|------------|-----------|--------------|--|
| 20 | IR | 753 158 606 | 0.007 | 32 | 24 | 1,9 | 2 68 240 008 | |
| 25 | IR | 753 158 607 | 0.013 | 34 | 25 | 2,3 | 2 68 240 008 | |
| 32 | IR | 753 158 608 | 0.019 | 36 | 25 | 2,9 | 2 68 240 008 | |
| 40 | IR | 753 158 609 | 0.036 | 39 | 25 | 3,7 | 2 68 240 008 | |
| 50 | IR | 753 158 610 | 0.059 | 42 | 26 | 4,6 | 2 68 240 008 | |
| 63 | IR | 753 158 611 | 0.103 | 47 | 29 | 5,8 | 2 68 240 008 | |
| 75 | IR | 753 158 612 | 0.146 | 49 | 29 | 6,8 | 2 68 240 008 | |
| 90 | IR | 753 158 613 | 0.241 | 57 | 34 | 8,2 | 2 68 240 008 | |
| 110 | IR | 753 158 614 | 0.442 | 70 | 43 | 10,0 | 2 68 240 008 | |
| 125 | IR | 753 158 615 | 0.638 | 79 | 48 | 11,4 | 2 68 240 003 | |
| 140 | IR | 753 158 616 | 0.902 | 88 | 55 | 12,7 | 2 68 240 003 | |
| 160 | IR | 753 158 617 | 1.340 | 100 | 60 | 14,6 | 2 68 240 003 | |
| 200 | IR | 753 158 619 | 2.612 | 124 | 75 | 18,2 | 2 68 240 003 | |
| 225 | IR | 753 158 620 | 3.638 | 140 | 85 | 20,5 | 2 68 240 003 | |

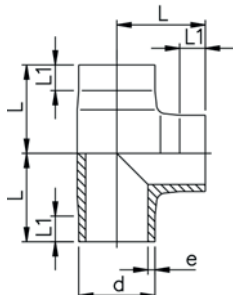
53 15 85

**Elbow 45° PE100 SDR17.6****Model:**

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | e [mm] | PF | |
|-----------|----|--------------------|-------|-----------|------------|-----------|--------------|--|
| 50 | IR | 753 158 535 | 0.045 | 42 | 26 | 2,9 | 2 68 240 008 | |
| 63 | IR | 753 158 536 | 0.091 | 47 | 29 | 3,6 | 2 68 240 008 | |
| 75 | IR | 753 158 412 | 0.125 | 49 | 29 | 4,7 | 2 68 240 008 | |
| 90 | IR | 753 158 413 | 0.198 | 57 | 34 | 5,6 | 2 68 240 028 | |
| 110 | IR | 753 158 414 | 0.375 | 70 | 43 | 6,9 | 2 68 240 028 | |
| 125 | IR | 753 158 540 | 0.542 | 79 | 48 | 7,1 | 2 68 240 028 | |
| 140 | IR | 753 158 541 | 0.784 | 88 | 55 | 8,0 | 2 68 240 023 | |
| 160 | IR | 753 158 542 | 1.190 | 100 | 60 | 9,1 | 2 68 240 023 | |
| 200 | IR | 753 158 544 | 2.331 | 124 | 75 | 11,4 | 2 68 240 023 | |
| 225 | IR | 753 158 545 | 3.282 | 140 | 85 | 12,8 | 2 68 240 023 | |

53 20 86



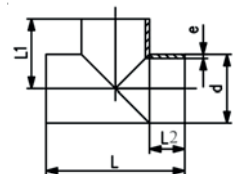
Tee 90° equal PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | e [mm] | |
|-----------|----|--------------------|--------|-----------|------------|-----------|--|
| 20 | IR | 753 208 606 | 0.013 | 38 | 24 | 1,9 | |
| 25 | IR | 753 208 607 | 0.021 | 42 | 26 | 2,3 | |
| 32 | IR | 753 208 608 | 0.042 | 46 | 26 | 2,9 | |
| 40 | IR | 753 208 609 | 0.065 | 51 | 22 | 3,7 | |
| 50 | IR | 753 208 610 | 0.111 | 58 | 22 | 4,6 | |
| 63 | IR | 753 208 611 | 0.202 | 66 | 21 | 5,8 | |
| 75 | IR | 753 208 612 | 0.312 | 75 | 20 | 6,8 | |
| 90 | IR | 753 208 613 | 0.553 | 90 | 20 | 8,2 | |
| 110 | IR | 753 208 614 | 1.002 | 110 | 20 | 10,0 | |
| 125 | IR | 753 208 615 | 1.509 | 125 | 25 | 11,4 | |
| 140 | IR | 753 208 616 | 2.105 | 140 | 28 | 12,7 | |
| 160 | IR | 753 208 617 | 3.085 | 160 | 28 | 14,6 | |
| 180 | IR | 753 208 668 | 5.062 | 190 | 70 | 16,4 | |
| 200 | IR | 753 208 619 | 5.982 | 200 | 35 | 18,2 | |
| 225 | IR | 753 208 620 | 8.090 | 220 | 35 | 20,5 | |
| 250 | -- | 753 208 671 | 13.326 | 272 | 90 | 22,7 | |
| 280 | -- | 753 208 672 | 20.458 | 313 | 108 | 25,4 | |
| 315 | -- | 753 208 673 | 27.400 | 348 | 114 | 28,6 | |
| 355 | -- | 753 221 024 | 30.500 | 352 | 97 | 32,3 | |
| 400 | -- | 753 221 025 | 39.000 | 337 | 100 | 36,4 | |
| 450 | -- | 753 221 026 | 45.000 | 450 | 130 | 40,9 | |
| 500 | -- | 753 221 027 | 75.500 | 450 | 130 | 45,5 | |

53 20 86



Tee 90° equal PE100 SDR11

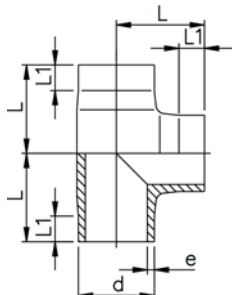
Model:

- Conventional butt-welding according to DVS 2207 part 1
- Machined
- 10 bar Gas / 16 bar Water

* on request

| d [mm] | Code | kg | L [mm] | L1 [mm] | z [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|------------|-----------|-----------|--|
| 560 | 753 211 028 | | 780 | 500 | 80 | 50.8 | |
| 630 | 753 211 029 | | 850 | 540 | 80 | 57.2 | |
| 710 | 753 211 030 | 177.442 | 950 | 650 | 75 | 64.5 | |
| * 800 | 753 211 031 | 233.384 | 1013 | 700 | 75 | 72.6 | |

53 20 85



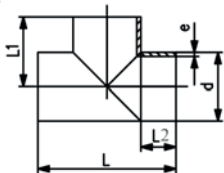
Tee 90° equal PE100 SDR17/17.6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

| d [mm] | FM | Code | kg | L [mm] | L1 [mm] | e [mm] | PF |
|-----------|----|-------------|--------|-----------|------------|-----------|--------------|
| 50 | IR | 753 208 535 | 0.080 | 59 | 26 | 2,9 | 2 68 240 021 |
| 63 | IR | 753 208 536 | 0.187 | 71 | 25 | 3,6 | 2 68 240 021 |
| 75 | IR | 753 208 412 | 0.232 | 74 | 20 | 4,8 | 2 68 240 021 |
| 90 | IR | 753 208 413 | 0.408 | 90 | 20 | 5,6 | 2 68 240 021 |
| 110 | IR | 753 208 414 | 0.724 | 110 | 20 | 6,9 | 2 68 240 021 |
| 125 | IR | 753 208 540 | 1.175 | 124 | 27 | 7,1 | 2 68 240 029 |
| 140 | IR | 753 208 541 | 1.623 | 141 | 33 | 8,0 | 2 68 240 029 |
| 160 | IR | 753 208 542 | 2.431 | 160 | 40 | 9,1 | 2 68 240 029 |
| 180 | IR | 753 208 543 | 3.756 | 190 | 70 | 10,2 | 2 68 240 029 |
| 200 | IR | 753 208 544 | 5.243 | 210 | 70 | 11,4 | 2 68 240 029 |
| 225 | IR | 753 208 545 | 1.872 | 238 | 80 | 12,8 | 2 68 240 029 |
| 250 | -- | 753 208 546 | 9.964 | 272 | 90 | 14,2 | 2 68 240 029 |
| 280 | -- | 753 208 547 | 14.265 | 313 | 108 | 15,9 | 2 68 240 029 |
| 315 | -- | 753 208 548 | 22.284 | 348 | 114 | 17,9 | 2 68 240 029 |
| 355 | -- | 753 220 824 | 22.593 | 330 | 95 | 21,1 | 2 68 240 040 |
| 400 | -- | 753 220 825 | 30.500 | 345 | 104 | 23,7 | 2 68 240 040 |
| 450 | -- | 753 220 826 | 38.000 | 450 | 130 | 26,7 | 2 68 240 040 |
| 500 | -- | 753 220 827 | 52.600 | 445 | 130 | 29,7 | 2 68 240 040 |

53 20 85



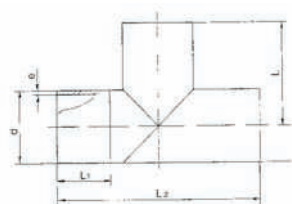
Tee 90° equal PE100 SDR17/17.6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Machined
- 5 bar Gas / 10 bar Water

* on request

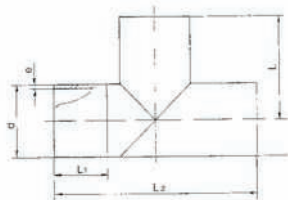
| d [mm] | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|-----------|-------------|---------|-----------|------------|------------|-----------|
| 560 | 753 220 831 | 153.300 | 780 | 500 | 80 | 33.2 |
| 630 | 753 208 832 | 205.500 | 850 | 540 | 80 | 37.4 |
| 710 | 753 220 833 | 121.141 | 950 | 650 | 75 | 42.1 |
| * 800 | 753 220 834 | 158.977 | 1013 | 700 | 75 | 47.4 |



Tee 90° equal PE100 S5/SDR11

- For IR, butt- and electro fusion
- Reducing factor = 0,6

| d [mm] | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|-----------|-------------|---------|-----------|------------|------------|-----------|
| 110 | 700 649 056 | 2.230 | 205 | 150 | 410 | 10,0 |
| 125 | 700 649 057 | 2.400 | 215 | 150 | 430 | 11,4 |
| 140 | 700 649 058 | 3.100 | 220 | 150 | 440 | 12,8 |
| 160 | 700 649 059 | 4.150 | 230 | 150 | 460 | 14,6 |
| 180 | 700 649 060 | 5.320 | 240 | 150 | 480 | 16,4 |
| 200 | 700 649 061 | 6.810 | 250 | 150 | 500 | 18,2 |
| 225 | 700 649 062 | 8.960 | 265 | 150 | 530 | 20,5 |
| 250 | 700 649 063 | 16.200 | 375 | 250 | 750 | 22,8 |
| 280 | 700 649 064 | 20.950 | 390 | 250 | 780 | 25,5 |
| 315 | 700 649 065 | 31.540 | 460 | 300 | 920 | 28,7 |
| 355 | 700 649 066 | 41.250 | 480 | 300 | 960 | 32,3 |
| 400 | 700 649 067 | 5.380 | 500 | 1000 | 1000 | 36,4 |
| 450 | 700 649 068 | 70.400 | 525 | 1050 | 1050 | 41,0 |
| 500 | 700 649 069 | 98.380 | 600 | 1200 | 1200 | 45,5 |
| 560 | 700 649 070 | 131.830 | 630 | 1260 | 1260 | 51,0 |
| 630 | 700 649 071 | 172.600 | 665 | 1330 | 1330 | 57,3 |



Tee 90° equal PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reducing factor = 0,6

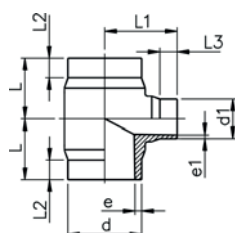
| d [mm] | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|-----------|--------------------|--------|-----------|------------|------------|-----------|
| 110 | 700 649 072 | 9.782 | 205 | 150 | 410 | 6,3 |
| 125 | 700 649 073 | 13.430 | 215 | 150 | 430 | 7,1 |
| 140 | 700 649 074 | 18.342 | 220 | 150 | 440 | 8,0 |
| 160 | 700 649 075 | 20.062 | 230 | 150 | 460 | 9,1 |
| 180 | 700 649 076 | 26.736 | 240 | 150 | 480 | 10,2 |
| 200 | 700 649 077 | 36.063 | 250 | 150 | 500 | 11,4 |
| 225 | 700 649 078 | 1.162 | 265 | 150 | 530 | 12,8 |
| 250 | 700 649 079 | 1.584 | 375 | 250 | 750 | 14,2 |
| 280 | 700 649 080 | 2.046 | 390 | 250 | 780 | 15,9 |
| 315 | 700 649 081 | 2.739 | 460 | 300 | 920 | 17,9 |
| 355 | 700 649 082 | 29.960 | 480 | 300 | 960 | 20,1 |
| 400 | 700 649 083 | 4.495 | 500 | 300 | 1000 | 22,7 |
| 450 | 700 649 084 | 55.340 | 525 | 300 | 1050 | 25,5 |
| 500 | 700 649 085 | 10.692 | 600 | 350 | 1200 | 28,3 |
| 560 | 700 649 086 | 13.827 | 630 | 350 | 1260 | 31,7 |
| 630 | 700 649 087 | 20.816 | 665 | 350 | 1330 | 35,7 |

53 20 83

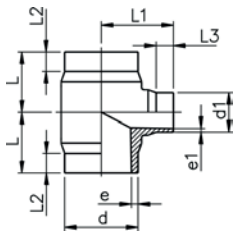
Tee 90° reduced PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100



| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | e1 [mm] | PF |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|------------|--------------|
| 63 | 32 | IR | 753 208 351 | 0.161 | 65 | 70 | 25 | 25 | 5,8 | 2,9 | 2 68 240 017 |
| 63 | 50 | IR | 753 208 352 | 0.180 | 65 | 70 | 25 | 25 | 5,8 | 4,6 | 2 68 240 017 |
| 75 | 32 | IR | 753 208 353 | 0.255 | 70 | 75 | 25 | 25 | 6,8 | 2,9 | 2 68 240 017 |
| 75 | 50 | IR | 753 208 354 | 0.265 | 70 | 75 | 25 | 25 | 6,8 | 4,6 | 2 68 240 017 |
| 75 | 63 | IR | 753 208 355 | 0.278 | 70 | 75 | 25 | 25 | 6,8 | 5,8 | 2 68 240 017 |
| 90 | 50 | IR | 753 208 357 | 0.435 | 80 | 85 | 25 | 25 | 8,2 | 4,6 | 2 68 240 017 |
| 90 | 63 | IR | 753 208 358 | 0.448 | 80 | 85 | 25 | 25 | 8,2 | 5,8 | 2 68 240 017 |
| 90 | 75 | IR | 753 208 359 | 0.462 | 80 | 85 | 25 | 25 | 8,2 | 6,8 | 2 68 240 017 |
| 110 | 32 | IR | 753 208 360 | 0.685 | 90 | 95 | 30 | 25 | 10,0 | 2,9 | 2 68 240 017 |
| 110 | 50 | IR | 753 208 361 | 0.694 | 90 | 95 | 30 | 25 | 10,0 | 4,6 | 2 68 240 017 |
| 110 | 63 | IR | 753 208 362 | 0.709 | 90 | 95 | 30 | 25 | 10,0 | 5,8 | 2 68 240 017 |
| 110 | 75 | IR | 753 208 363 | 0.717 | 90 | 95 | 30 | 25 | 10,0 | 6,8 | 2 68 240 017 |
| 110 | 90 | IR | 753 208 364 | 0.734 | 90 | 95 | 30 | 25 | 10,0 | 8,2 | 2 68 240 017 |
| 160 | 63 | IR | 753 208 371 | 2.269 | 142 | 135 | 50 | 30 | 14,6 | 5,8 | 2 68 240 017 |
| 160 | 75 | IR | 753 208 372 | 2.255 | 142 | 135 | 50 | 30 | 14,6 | 6,8 | 2 68 240 017 |
| 160 | 90 | IR | 753 208 373 | 2.317 | 142 | 135 | 50 | 30 | 14,6 | 8,2 | 2 68 240 017 |
| 160 | 110 | IR | 753 208 374 | 2.353 | 142 | 135 | 50 | 30 | 14,6 | 10,0 | 2 68 240 017 |
| 225 | 90 | IR | 753 208 388 | 4.759 | 155 | 165 | 40 | 30 | 20,5 | 8,2 | 2 68 240 017 |
| 225 | 110 | IR | 753 208 389 | 4.796 | 155 | 165 | 40 | 30 | 20,5 | 10,0 | 2 68 240 017 |
| 225 | 160 | IR | 753 208 391 | 4.854 | 155 | 165 | 40 | 30 | 20,5 | 14,6 | 2 68 240 017 |
| 3 250 | 110 | -- | 753 221 031 | 8.199 | 228 | 197 | 140 | 37 | 22,7 | 10,0 | 2 68 240 040 |
| 3 250 | 160 | -- | 753 221 032 | 8.564 | 229 | 219 | 117 | 60 | 22,7 | 14,6 | 2 68 240 040 |



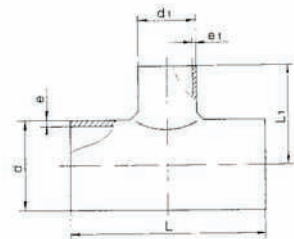
Tee 90° reduced PE100 SDR17.6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- 5 bar Gas / 10 bar Water

* Branch SDR11

| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|------------|--|
| * 63 | 32 | IR | 753 208 301 | 0.163 | 65 | 70 | 25 | 25 | 3,6 | 2,9 | |
| 63 | 50 | IR | 753 208 302 | 0.171 | 65 | 70 | 25 | 25 | 3,6 | 2,9 | |
| * 75 | 32 | IR | 753 208 303 | 0.231 | 70 | 75 | 25 | 25 | 4,3 | 2,9 | |
| 75 | 50 | IR | 753 208 304 | 0.250 | 70 | 75 | 25 | 25 | 4,3 | 2,9 | |
| 75 | 63 | IR | 753 208 305 | 0.263 | 70 | 75 | 25 | 25 | 4,3 | 3,6 | |
| 90 | 50 | IR | 753 208 307 | 0.411 | 80 | 85 | 25 | 25 | 5,1 | 2,9 | |
| 90 | 63 | IR | 753 208 308 | 0.329 | 80 | 85 | 25 | 25 | 5,1 | 3,6 | |
| 90 | 75 | IR | 753 208 309 | 0.339 | 80 | 85 | 25 | 25 | 5,1 | 4,3 | |
| * 110 | 32 | IR | 753 208 310 | 0.643 | 90 | 95 | 30 | 25 | 6,3 | 2,9 | |
| 110 | 50 | IR | 753 208 311 | 0.655 | 90 | 95 | 30 | 25 | 6,3 | 2,9 | |
| 110 | 63 | IR | 753 208 312 | 0.516 | 90 | 95 | 30 | 25 | 6,3 | 3,6 | |
| 110 | 75 | IR | 753 208 313 | 0.521 | 90 | 95 | 30 | 25 | 6,3 | 4,3 | |
| 110 | 90 | IR | 753 208 314 | 0.529 | 90 | 95 | 30 | 25 | 6,3 | 5,1 | |
| 160 | 63 | IR | 753 208 321 | 2.103 | 142 | 135 | 50 | 30 | 9,1 | 3,6 | |
| 160 | 75 | IR | 753 208 322 | 2.142 | 142 | 135 | 50 | 30 | 9,1 | 4,3 | |
| 160 | 90 | IR | 753 208 323 | 1.668 | 142 | 135 | 50 | 30 | 9,1 | 5,1 | |
| 160 | 110 | IR | 753 208 324 | 1.687 | 142 | 135 | 50 | 30 | 9,1 | 6,3 | |
| 225 | 90 | IR | 753 208 338 | 3.439 | 155 | 165 | 40 | 30 | 12,8 | 5,1 | |
| 225 | 110 | IR | 753 208 339 | 3.448 | 155 | 165 | 40 | 30 | 12,8 | 6,3 | |
| 225 | 160 | IR | 753 208 341 | 3.471 | 155 | 165 | 40 | 30 | 12,8 | 9,1 | |



Tee 90° reduced PE100 S5/SDR11

- For IR, butt- and electro fusion
- Reducing factor = 0,6

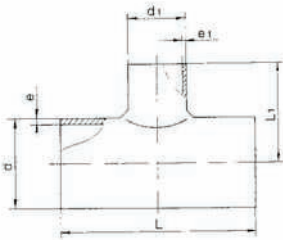
| d [mm] | d1 [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|--|
| 225 | 63 | 700 649 155 | 35.500 | 363 | 238 | 20,5 | 5,8 | |
| 225 | 75 | 700 649 156 | 35.855 | 375 | 238 | 20,5 | 6,9 | |
| 225 | 90 | 700 649 157 | 36.214 | 390 | 238 | 20,5 | 8,2 | |
| 225 | 110 | 700 649 158 | 36.576 | 410 | 238 | 20,5 | 10,0 | |
| 225 | 125 | 700 649 159 | 36.941 | 425 | 238 | 20,5 | 11,4 | |
| 225 | 140 | 700 649 160 | 37.311 | 440 | 238 | 20,5 | 12,8 | |
| 225 | 160 | 700 649 161 | 37.684 | 460 | 238 | 20,5 | 14,6 | |
| 250 | 75 | 700 649 162 | 38.061 | 475 | 250 | 22,8 | 6,9 | |
| 250 | 90 | 700 649 163 | 38.441 | 490 | 250 | 22,8 | 8,2 | |
| 250 | 110 | 700 649 164 | 38.826 | 510 | 250 | 22,8 | 10,0 | |
| 250 | 125 | 700 649 165 | 39.214 | 525 | 250 | 22,8 | 11,4 | |
| 250 | 140 | 700 649 166 | 39.606 | 540 | 1000 | 22,8 | 12,8 | |
| 250 | 160 | 700 649 167 | 40.002 | 560 | 1050 | 22,8 | 14,6 | |
| 250 | 180 | 700 649 168 | 40.402 | 580 | 275 | 22,8 | 16,4 | |
| 280 | 75 | 700 649 169 | 40.806 | 475 | 265 | 25,5 | 6,9 | |
| 280 | 90 | 700 649 170 | 6.650 | 490 | 265 | 25,5 | 8,2 | |
| 280 | 110 | 700 649 171 | 41.627 | 510 | 265 | 25,5 | 10,0 | |
| 280 | 125 | 700 649 172 | 42.043 | 525 | 265 | 25,5 | 11,4 | |
| 280 | 140 | 700 649 173 | 42.463 | 540 | 265 | 25,5 | 12,8 | |
| 280 | 160 | 700 649 174 | 42.888 | 560 | 265 | 25,5 | 14,6 | |
| 280 | 180 | 700 649 175 | 43.317 | 580 | 290 | 25,5 | 16,4 | |
| 280 | 200 | 700 649 176 | 43.750 | 600 | 290 | 25,5 | 18,2 | |
| 315 | 90 | 700 649 177 | 44.187 | 490 | 283 | 28,7 | 8,2 | |
| 315 | 110 | 700 649 178 | 44.629 | 510 | 283 | 28,7 | 10,0 | |
| 315 | 125 | 700 649 179 | 45.076 | 525 | 283 | 28,7 | 11,4 | |
| 315 | 140 | 700 649 180 | 45.526 | 540 | 283 | 28,7 | 12,8 | |
| 315 | 160 | 700 649 181 | 7.580 | 560 | 283 | 28,7 | 14,6 | |
| 315 | 180 | 700 649 182 | 46.441 | 580 | 308 | 28,7 | 16,4 | |
| 315 | 200 | 700 649 183 | 46.906 | 600 | 308 | 28,7 | 18,2 | |
| 315 | 225 | 700 649 184 | 9.310 | 625 | 308 | 28,7 | 20,5 | |
| 355 | 110 | 700 649 185 | 47.849 | 510 | 303 | 32,3 | 10,0 | |

table continued next page

| d [mm] | d1 [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|--|
| 355 | 125 | 700 649 186 | 48.327 | 525 | 303 | 32,3 | 11,4 | |
| 355 | 140 | 700 649 187 | 48.810 | 540 | 303 | 32,3 | 12,8 | |
| 355 | 160 | 700 649 188 | 49.298 | 560 | 303 | 32,3 | 14,6 | |
| 355 | 180 | 700 649 189 | 49.791 | 580 | 328 | 32,3 | 16,4 | |
| 355 | 200 | 700 649 190 | 50.289 | 600 | 328 | 32,3 | 18,2 | |
| 355 | 225 | 700 649 191 | 50.792 | 625 | 328 | 32,3 | 20,5 | |
| 355 | 250 | 700 649 192 | 51.300 | 650 | 378 | 32,3 | 22,8 | |
| 400 | 110 | 700 649 193 | 51.813 | 510 | 325 | 36,4 | 10,0 | |
| 400 | 125 | 700 649 194 | 52.331 | 525 | 325 | 36,4 | 11,4 | |
| 400 | 140 | 700 649 195 | 52.855 | 540 | 325 | 36,4 | 12,8 | |
| 400 | 160 | 700 649 196 | 53.383 | 560 | 325 | 36,4 | 14,6 | |
| 400 | 180 | 700 649 197 | 53.917 | 580 | 350 | 36,4 | 16,4 | |
| 400 | 200 | 700 649 198 | 54.456 | 600 | 350 | 36,4 | 18,2 | |
| 400 | 225 | 700 649 199 | 55.001 | 625 | 350 | 36,4 | 20,5 | |
| 400 | 250 | 700 649 200 | 55.551 | 650 | 400 | 36,4 | 22,8 | |
| 400 | 280 | 700 649 201 | 56.106 | 680 | 400 | 36,4 | 25,5 | |
| 450 | 110 | 700 649 202 | 56.667 | 510 | 350 | 41,0 | 10,0 | |
| 450 | 125 | 700 649 203 | 57.234 | 525 | 350 | 41,0 | 11,4 | |
| 450 | 140 | 700 649 204 | 57.806 | 540 | 350 | 41,0 | 12,8 | |
| 450 | 160 | 700 649 205 | 58.384 | 560 | 350 | 41,0 | 14,6 | |
| 450 | 180 | 700 649 206 | 58.968 | 580 | 375 | 41,0 | 16,4 | |
| 450 | 200 | 700 649 207 | 59.558 | 600 | 375 | 41,0 | 18,2 | |
| 450 | 225 | 700 649 208 | 60.154 | 625 | 375 | 41,0 | 20,5 | |
| 450 | 250 | 700 649 209 | 60.755 | 650 | 425 | 41,0 | 22,8 | |
| 450 | 280 | 700 649 210 | 61.363 | 680 | 425 | 41,0 | 25,5 | |
| 450 | 315 | 700 649 211 | 61.976 | 715 | 425 | 41,0 | 28,7 | |
| 500 | 110 | 700 649 212 | 62.596 | 510 | 375 | 45,5 | 10,0 | |
| 500 | 125 | 700 649 213 | 63.222 | 525 | 375 | 45,5 | 11,4 | |
| 500 | 140 | 700 649 214 | 63.854 | 540 | 375 | 45,5 | 12,8 | |
| 500 | 160 | 700 649 215 | 64.493 | 560 | 375 | 45,5 | 14,6 | |
| 500 | 180 | 700 649 216 | 65.138 | 580 | 400 | 45,5 | 16,4 | |
| 500 | 200 | 700 649 217 | 65.789 | 600 | 400 | 45,5 | 18,2 | |
| 500 | 225 | 700 649 218 | 66.447 | 625 | 400 | 45,5 | 20,5 | |
| 500 | 250 | 700 649 219 | 67.111 | 650 | 450 | 45,5 | 22,8 | |
| 500 | 280 | 700 649 220 | 67.783 | 680 | 450 | 45,5 | 25,5 | |
| 500 | 315 | 700 649 221 | 68.460 | 715 | 450 | 45,5 | 28,7 | |

Tee 90° reduced PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reducing factor = 0,6



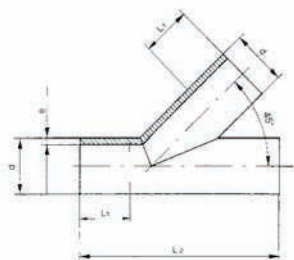
| d [mm] | d1 [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|--|
| 225 | 63 | 700 649 088 | 35.500 | 363 | 238 | 12,8 | 3,6 | |
| 225 | 75 | 700 649 089 | 3.280 | 375 | 238 | 12,8 | 4,3 | |
| 225 | 90 | 700 649 090 | 36.214 | 390 | 238 | 12,8 | 5,1 | |
| 225 | 110 | 700 649 091 | 36.576 | 410 | 238 | 12,8 | 6,3 | |
| 225 | 125 | 700 649 092 | 36.941 | 425 | 238 | 12,8 | 7,1 | |
| 225 | 140 | 700 649 093 | 4.320 | 440 | 238 | 12,8 | 8,0 | |
| 225 | 160 | 700 649 094 | 4.410 | 460 | 238 | 12,8 | 9,1 | |
| 250 | 75 | 700 649 095 | 38.061 | 475 | 250 | 14,2 | 4,3 | |
| 250 | 90 | 700 649 096 | 38.441 | 490 | 250 | 14,2 | 5,1 | |
| 250 | 110 | 700 649 097 | 38.826 | 510 | 250 | 14,2 | 6,3 | |
| 250 | 125 | 700 649 098 | 39.214 | 525 | 250 | 14,2 | 7,1 | |
| 250 | 140 | 700 649 099 | 39.606 | 540 | 250 | 14,2 | 8,0 | |
| 250 | 160 | 700 649 100 | 40.002 | 560 | 250 | 14,2 | 9,1 | |
| 250 | 180 | 700 649 101 | 7.490 | 580 | 275 | 14,2 | 10,2 | |
| 280 | 75 | 700 649 102 | 6.650 | 475 | 265 | 15,9 | 4,3 | |
| 280 | 90 | 700 649 103 | 41.214 | 490 | 265 | 15,9 | 5,1 | |
| 280 | 110 | 700 649 104 | 7.400 | 510 | 265 | 15,9 | 6,3 | |
| 280 | 125 | 700 649 105 | 42.043 | 525 | 265 | 15,9 | 7,1 | |
| 280 | 140 | 700 649 106 | 7.320 | 540 | 265 | 15,9 | 8,0 | |
| 280 | 160 | 700 649 107 | 7.580 | 560 | 265 | 15,9 | 9,1 | |
| 280 | 180 | 700 649 108 | 43.317 | 580 | 290 | 15,9 | 10,2 | |
| 280 | 200 | 700 649 109 | 43.750 | 600 | 290 | 15,9 | 11,4 | |
| 315 | 90 | 700 649 110 | 44.187 | 490 | 283 | 17,9 | 5,1 | |

table continued next page

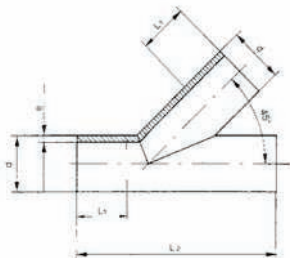
| d [mm] | d1 [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|
| 315 | 110 | 700 649 111 | 44.629 | 510 | 283 | 17,9 | 6,3 |
| 315 | 125 | 700 649 112 | 45.076 | 525 | 283 | 17,9 | 7,1 |
| 315 | 140 | 700 649 113 | 10.140 | 540 | 283 | 17,9 | 8,0 |
| 315 | 160 | 700 649 114 | 10.280 | 560 | 283 | 17,9 | 9,1 |
| 315 | 180 | 700 649 115 | 46.441 | 580 | 308 | 17,9 | 10,2 |
| 315 | 200 | 700 649 116 | 46.906 | 600 | 308 | 17,9 | 11,4 |
| 315 | 225 | 700 649 117 | 11.830 | 625 | 308 | 17,9 | 12,8 |
| 355 | 110 | 700 649 118 | 11.130 | 510 | 303 | 20,1 | 6,3 |
| 355 | 125 | 700 649 119 | 11.340 | 525 | 303 | 20,1 | 7,1 |
| 355 | 140 | 700 649 120 | 48.810 | 540 | 303 | 20,1 | 8,0 |
| 355 | 160 | 700 649 121 | 12.200 | 560 | 303 | 20,1 | 9,1 |
| 355 | 180 | 700 649 122 | 49.791 | 580 | 328 | 20,1 | 10,2 |
| 355 | 200 | 700 649 123 | 50.289 | 600 | 328 | 20,1 | 11,4 |
| 355 | 225 | 700 649 124 | 14.550 | 625 | 328 | 20,1 | 12,8 |
| 355 | 250 | 700 649 125 | 17.120 | 650 | 378 | 20,1 | 14,2 |
| 400 | 110 | 700 649 126 | 51.813 | 510 | 325 | 22,7 | 6,3 |
| 400 | 125 | 700 649 127 | 52.331 | 525 | 325 | 22,7 | 7,1 |
| 400 | 140 | 700 649 128 | 52.855 | 540 | 325 | 22,7 | 8,0 |
| 400 | 160 | 700 649 129 | 15.450 | 560 | 325 | 22,7 | 9,1 |
| 400 | 180 | 700 649 130 | 15.630 | 580 | 350 | 22,7 | 10,2 |
| 400 | 200 | 700 649 131 | 54.456 | 600 | 350 | 22,7 | 11,4 |
| 400 | 225 | 700 649 132 | 17.620 | 625 | 350 | 22,7 | 12,8 |
| 400 | 250 | 700 649 133 | 18.970 | 650 | 400 | 22,7 | 14,2 |
| 400 | 280 | 700 649 134 | 19.510 | 680 | 400 | 22,7 | 15,9 |
| 450 | 110 | 700 649 135 | 56.667 | 510 | 350 | 25,5 | 6,3 |
| 450 | 125 | 700 649 136 | 57.234 | 525 | 350 | 25,5 | 7,1 |
| 450 | 140 | 700 649 137 | 57.806 | 540 | 350 | 25,5 | 8,0 |
| 450 | 160 | 700 649 138 | 58.384 | 560 | 350 | 25,5 | 9,1 |
| 450 | 180 | 700 649 139 | 58.968 | 580 | 375 | 25,5 | 10,2 |
| 450 | 200 | 700 649 140 | 59.558 | 600 | 375 | 25,5 | 11,4 |
| 450 | 225 | 700 649 141 | 60.154 | 625 | 375 | 25,5 | 12,8 |
| 450 | 250 | 700 649 142 | 60.755 | 650 | 425 | 25,5 | 14,2 |
| 450 | 280 | 700 649 143 | 61.363 | 680 | 425 | 25,5 | 15,9 |
| 450 | 315 | 700 649 144 | 26.780 | 715 | 425 | 25,5 | 17,9 |
| 500 | 110 | 700 649 145 | 62.596 | 510 | 375 | 28,3 | 6,3 |
| 500 | 125 | 700 649 146 | 63.222 | 525 | 375 | 28,3 | 7,1 |
| 500 | 140 | 700 649 147 | 63.854 | 540 | 375 | 28,3 | 8,0 |
| 500 | 160 | 700 649 148 | 64.493 | 560 | 375 | 28,3 | 9,1 |
| 500 | 180 | 700 649 149 | 65.138 | 580 | 400 | 28,3 | 10,2 |
| 500 | 200 | 700 649 150 | 65.789 | 600 | 400 | 28,3 | 11,4 |
| 500 | 225 | 700 649 151 | 66.447 | 625 | 400 | 28,3 | 12,8 |
| 500 | 250 | 700 649 152 | 67.111 | 650 | 450 | 28,3 | 14,2 |
| 500 | 280 | 700 649 153 | 67.783 | 680 | 450 | 28,3 | 15,9 |
| 500 | 315 | 700 649 154 | 68.460 | 715 | 450 | 28,3 | 17,9 |

Branch 45° PE100 S5/SDR11

- For IR, butt- and electro fusion
- Reduction factor = 0,5



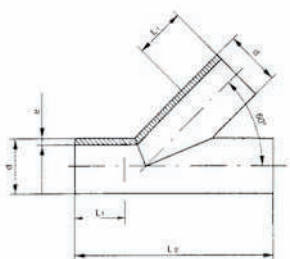
| d [mm] | Code | kg | L1 [mm] | L2 [mm] | e [mm] |
|-----------|--------------------|--------|------------|------------|-----------|
| 110 | 700 649 299 | 3.190 | 150 | 520 | 10,0 |
| 125 | 700 649 300 | 4.120 | 150 | 520 | 11,4 |
| 140 | 700 649 301 | 5.130 | 150 | 570 | 12,8 |
| 160 | 700 649 302 | 6.730 | 150 | 640 | 14,6 |
| 180 | 700 649 303 | 8.500 | 150 | 700 | 16,4 |
| 200 | 700 649 304 | 12.600 | 150 | 800 | 18,2 |
| 225 | 700 649 305 | 15.960 | 150 | 800 | 20,5 |
| 250 | 700 649 306 | 16.200 | 250 | 1000 | 22,8 |
| 280 | 700 649 307 | 20.950 | 250 | 1000 | 25,5 |
| 315 | 700 649 308 | 31.540 | 300 | 1300 | 28,7 |
| 355 | 700 649 309 | 41.250 | 300 | 1500 | 32,3 |
| 400 | 700 649 310 | 53.800 | 300 | 1500 | 36,4 |
| 450 | 700 649 311 | 70.400 | 300 | 1500 | 41,0 |



Branch 45° PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reduction factor = 0,5

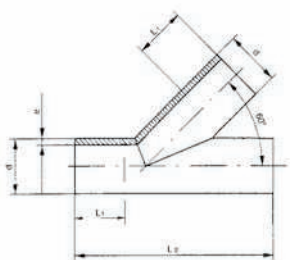
| d [mm] | Code | kg | L1 [mm] | L2 [mm] | e [mm] |
|-----------|--------------------|--------|------------|------------|-----------|
| 110 | 700 649 286 | 2.210 | 150 | 520 | 6,3 |
| 125 | 700 649 287 | 2.960 | 150 | 520 | 7,1 |
| 140 | 700 649 288 | 0.561 | 150 | 570 | 8,0 |
| 160 | 700 649 289 | 4.830 | 150 | 640 | 9,1 |
| 180 | 700 649 290 | 0.898 | 150 | 700 | 10,2 |
| 200 | 700 649 291 | 1.155 | 150 | 800 | 11,4 |
| 225 | 700 649 292 | 10.350 | 150 | 800 | 12,8 |
| 250 | 700 649 293 | 15.110 | 250 | 1000 | 14,2 |
| 280 | 700 649 294 | 3.115 | 250 | 1000 | 15,9 |
| 315 | 700 649 295 | 33.800 | 300 | 1300 | 17,9 |
| 355 | 700 649 296 | 4.851 | 300 | 1500 | 20,1 |
| 400 | 700 649 297 | 54.200 | 300 | 1500 | 22,7 |
| 450 | 700 649 298 | 46.464 | 300 | 1500 | 25,5 |



Branch 60° PE100 S5/SDR11

- For IR, butt- and electro fusion
- Reduction factor = 0,5

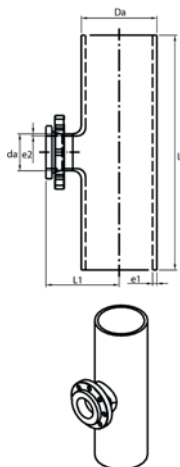
| d [mm] | Code | kg | L1 [mm] | L2 [mm] | e [mm] |
|-----------|--------------------|--------|------------|------------|-----------|
| 110 | 700 649 325 | 3.190 | 150 | 520 | 10,0 |
| 125 | 700 649 326 | 4.120 | 150 | 520 | 11,4 |
| 140 | 700 649 327 | 4.130 | 150 | 570 | 12,8 |
| 160 | 700 649 328 | 6.730 | 150 | 640 | 14,6 |
| 180 | 700 649 329 | 5.320 | 150 | 700 | 16,4 |
| 200 | 700 649 330 | 12.600 | 150 | 800 | 18,2 |
| 225 | 700 649 331 | 8.960 | 150 | 800 | 20,5 |
| 250 | 700 649 332 | 16.200 | 250 | 1000 | 22,8 |
| 280 | 700 649 333 | 20.950 | 250 | 1000 | 25,5 |
| 315 | 700 649 334 | 31.540 | 300 | 1300 | 28,7 |
| 355 | 700 649 335 | 41.250 | 300 | 1500 | 32,3 |
| 400 | 700 649 336 | 53.800 | 300 | 1500 | 36,4 |
| 450 | 700 649 337 | 70.400 | 300 | 1500 | 41,0 |



Branch 60° PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reduction factor = 0,5

| d [mm] | Code | kg | L1 [mm] | L2 [mm] | e [mm] |
|-----------|--------------------|--------|------------|------------|-----------|
| 110 | 700 649 312 | 1.176 | 150 | 520 | 6,3 |
| 125 | 700 649 313 | 2.056 | 150 | 520 | 7,1 |
| 140 | 700 649 314 | 2.553 | 150 | 570 | 8,0 |
| 160 | 700 649 315 | 3.202 | 150 | 640 | 9,1 |
| 180 | 700 649 316 | 4.055 | 150 | 700 | 10,2 |
| 200 | 700 649 317 | 30.666 | 150 | 800 | 11,4 |
| 225 | 700 649 318 | 10.360 | 150 | 800 | 12,8 |
| 250 | 700 649 319 | 1.584 | 250 | 1000 | 14,2 |
| 280 | 700 649 320 | 2.046 | 250 | 1000 | 15,9 |
| 315 | 700 649 321 | 2.739 | 300 | 1300 | 17,9 |
| 355 | 700 649 322 | 3.511 | 300 | 1500 | 20,1 |
| 400 | 700 649 323 | 4.495 | 300 | 1500 | 22,7 |
| 450 | 700 649 324 | 5.914 | 300 | 1500 | 25,5 |

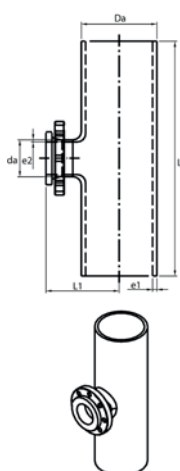


Revision Tees 90°, PE100 SDR11

Model:

- Flued and butt fusion according to DVS2207
- Backing Flanges to ISO 7005, EN 1092, DIN 2501, bolt circle PN 10
- Reducing factor = 0,6

| d [mm] | d1 [mm] | PN | Code | kg | L [mm] | L1 [mm] | e1 [mm] | e2 [mm] | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|--|
| 110 | 110 | 16 | 700 665 656 | 1.000 | 500 | 236 | 10,0 | 10,0 | |
| 125 | 125 | 16 | 700 665 657 | 1.000 | 500 | 248 | 11,4 | 11,4 | |
| 140 | 140 | 16 | 700 665 658 | 1.000 | 500 | 265 | 12,7 | 12,7 | |
| 160 | 110 | 16 | 700 665 659 | 1.000 | 500 | 278 | 14,6 | 10,0 | |
| 180 | 110 | 16 | 700 665 660 | 1.000 | 500 | 350 | 16,4 | 10,0 | |
| 200 | 140 | 16 | 700 665 661 | 1.000 | 500 | 350 | 18,2 | 12,7 | |
| 225 | 140 | 16 | 700 665 662 | 1.000 | 560 | 400 | 20,5 | 12,7 | |
| 250 | 160 | 16 | 700 665 663 | 1.000 | 750 | 450 | 22,7 | 14,6 | |
| 280 | 225 | 16 | 700 665 664 | 1.000 | 750 | 350 | 25,4 | 20,5 | |
| 315 | 225 | 16 | 700 665 665 | 1.000 | 850 | 400 | 28,6 | 20,5 | |
| 355 | 225 | 16 | 700 665 666 | 1.000 | 950 | 450 | 32,2 | 20,5 | |
| 400 | 225 | 16 | 700 665 667 | 1.000 | 1000 | 450 | 36,3 | 20,5 | |

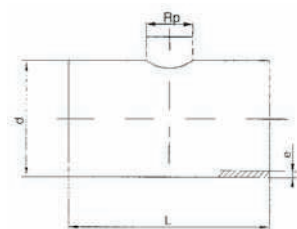


Revision Tees 90°, PE100 SDR17.6

Model:

- Flued and butt fusion according to DVS2207
- Backing Flanges to ISO 7005, EN 1092, DIN 2501, bolt circle PN 10
- Reducing factor = 0,6

| d [mm] | d1 [mm] | PN | Code | kg | L [mm] | L1 [mm] | e1 [mm] | e2 [mm] | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|--|
| 110 | 110 | 10 | 700 665 668 | 1.000 | 500 | 236 | 6,3 | 6,3 | |
| 125 | 125 | 10 | 700 665 669 | 1.000 | 500 | 248 | 7,1 | 7,1 | |
| 140 | 140 | 10 | 700 665 670 | 1.000 | 500 | 265 | 8,0 | 8,0 | |
| 160 | 110 | 10 | 700 665 671 | 1.000 | 500 | 278 | 9,1 | 6,3 | |
| 180 | 110 | 10 | 700 665 672 | 1.000 | 500 | 350 | 10,2 | 6,3 | |
| 200 | 140 | 10 | 700 665 673 | 1.000 | 500 | 350 | 11,4 | 8,0 | |
| 225 | 140 | 10 | 700 665 674 | 1.000 | 560 | 400 | 12,8 | 8,0 | |
| 250 | 160 | 10 | 700 665 675 | 1.000 | 750 | 450 | 14,2 | 9,1 | |
| 280 | 225 | 10 | 700 665 676 | 1.000 | 750 | 350 | 15,9 | 12,8 | |
| 315 | 225 | 10 | 700 665 677 | 1.000 | 850 | 400 | 17,9 | 12,8 | |
| 355 | 225 | 10 | 700 665 678 | 1.000 | 950 | 450 | 20,1 | 12,8 | |
| 400 | 225 | 10 | 700 665 679 | 1.000 | 1000 | 450 | 22,7 | 12,8 | |
| 450 | 315 | 10 | 700 665 680 | 1.000 | 1100 | 500 | 25,5 | 17,9 | |
| 500 | 315 | 10 | 700 665 681 | 1.000 | 1200 | 500 | 28,4 | 17,9 | |
| 560 | 315 | 10 | 700 665 682 | 1.000 | 1300 | 550 | 31,7 | 17,9 | |
| 630 | 315 | 10 | 700 665 683 | 1.000 | 1450 | 550 | 35,7 | 17,9 | |



Saddle-tee PE100 S5/SDR11

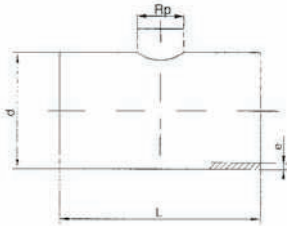
Outlet with female thread Rp welded

- For IR, butt- and electro fusion
- Reduction factor = 0,8

| d [mm] | Thread 1" Code | Thread 1 1/4" Code | kg | L [mm] | e [mm] | |
|-----------|--------------------|-----------------------|--------|-----------|-----------|--|
| 110 | 700 649 238 | 700 649 270 | 0.850 | 260 | 10,0 | |
| 125 | 700 649 239 | 700 649 271 | 1.100 | 260 | 11,4 | |
| 140 | 700 649 240 | 700 649 272 | 1.360 | 260 | 12,8 | |
| 160 | 700 649 241 | 700 649 273 | 1.750 | 260 | 14,6 | |
| 180 | 700 649 242 | 700 649 274 | 2.200 | 360 | 16,4 | |
| 200 | 700 649 243 | 700 649 275 | 2.700 | 360 | 18,2 | |
| 225 | 700 649 244 | 700 649 276 | 4.720 | 360 | 20,5 | |
| 250 | 700 649 245 | 700 649 277 | 5.860 | 360 | 22,8 | |
| 280 | 700 649 246 | 700 649 278 | 7.350 | 360 | 25,5 | |
| 315 | 700 649 247 | 700 649 279 | 9.310 | 360 | 28,7 | |
| 355 | 700 649 248 | 700 649 280 | 13.200 | 460 | 32,3 | |
| 400 | 700 649 249 | 700 649 281 | 19.120 | 460 | 36,4 | |
| 450 | 700 649 250 | 700 649 282 | 24.200 | 460 | 41,0 | |

table continued next page

| d [mm] | Thread 1" Code | Thread 1 1/4" Code | kg | L [mm] | e [mm] | |
|-----------|-------------------|-----------------------|--------|-----------|-----------|--|
| 500 | 700 649 251 | 700 649 283 | 29.850 | 460 | 45,5 | |
| 560 | 700 649 252 | 700 649 284 | 31.250 | 460 | 51,0 | |
| 630 | 700 649 253 | 700 649 285 | 43.250 | 500 | 57,3 | |



Saddle-tee PE100 S8/SDR17.6 Outlet with female thread Rp welded

- For IR, butt- and electro fusion
- Reduction factor = 0,8

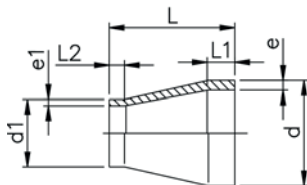
| d [mm] | Thread 1" Code | Thread 1 1/4" Code | kg | L [mm] | e [mm] | |
|-----------|-------------------|-----------------------|--------|-----------|-----------|--|
| 110 | 700 649 222 | 700 649 254 | 0.560 | 260 | 6,3 | |
| 125 | 700 649 223 | 700 649 255 | 30.666 | 260 | 7,1 | |
| 140 | 700 649 224 | 700 649 256 | 1.162 | 260 | 8,0 | |
| 160 | 700 649 225 | 700 649 257 | 1.584 | 260 | 9,1 | |
| 180 | 700 649 226 | 700 649 258 | 2.046 | 360 | 10,2 | |
| 200 | 700 649 227 | 700 649 259 | 2.739 | 360 | 11,4 | |
| 225 | 700 649 228 | 700 649 260 | 3.511 | 360 | 12,8 | |
| 250 | 700 649 229 | 700 649 261 | 4.495 | 360 | 14,2 | |
| 280 | 700 649 230 | 700 649 262 | 5.914 | 360 | 15,9 | |
| 315 | 700 649 231 | 700 649 263 | 10.692 | 360 | 17,9 | |
| 355 | 700 649 232 | 700 649 264 | 13.827 | 460 | 20,1 | |
| 400 | 700 649 233 | 700 649 265 | 20.816 | 460 | 22,7 | |
| 450 | 700 649 234 | 700 649 266 | 27.225 | 460 | 25,5 | |
| 500 | 700 649 235 | 700 649 267 | 35.508 | 460 | 28,3 | |
| 560 | 700 649 236 | 700 649 268 | 46.464 | 460 | 31,7 | |
| 630 | 700 649 237 | 700 649 269 | 0.776 | 500 | 35,7 | |

53 90 88

Reducer PE100 SDR11

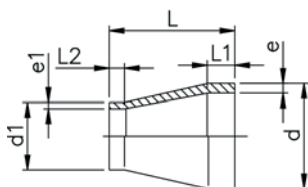
Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- Up to d 315 injection moulded, above machined



| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | e1 [mm] | PF | |
|-----------|------------|----|-------------|-------|-----------|------------|------------|-----------|------------|--------------|--|
| 125 | 20 | IR | 753 908 637 | 0.008 | 50 | 20 | 18 | 2,3 | 1,9 | 2 68 240 011 | |
| 132 | 20 | IR | 753 908 642 | 0.010 | 50 | 20 | 18 | 2,9 | 1,9 | 2 68 240 011 | |
| 132 | 25 | IR | 753 908 641 | 0.006 | 50 | 20 | 18 | 2,9 | 2,3 | 2 68 240 011 | |
| 140 | 20 | IR | 753 908 648 | 0.017 | 58 | 20 | 20 | 3,7 | 1,9 | 2 68 240 011 | |
| 140 | 25 | IR | 753 908 647 | 0.017 | 55 | 20 | 18 | 3,7 | 2,3 | 2 68 240 011 | |
| 140 | 32 | IR | 753 908 646 | 0.019 | 55 | 20 | 18 | 3,7 | 2,9 | 2 68 240 011 | |
| 150 | 25 | IR | 753 908 654 | 0.025 | 60 | 20 | 18 | 4,6 | 2,3 | 2 68 240 011 | |
| 150 | 32 | IR | 753 908 653 | 0.026 | 60 | 20 | 18 | 4,6 | 2,9 | 2 68 240 011 | |
| 150 | 40 | IR | 753 908 652 | 0.032 | 60 | 20 | 18 | 4,6 | 3,7 | 2 68 240 011 | |
| 163 | 32 | IR | 753 908 660 | 0.046 | 65 | 20 | 18 | 5,8 | 2,9 | 2 68 240 011 | |
| 163 | 40 | IR | 753 908 659 | 0.051 | 65 | 20 | 18 | 5,8 | 3,7 | 2 68 240 011 | |
| 163 | 50 | IR | 753 908 658 | 0.056 | 65 | 20 | 18 | 5,8 | 4,6 | 2 68 240 011 | |
| 175 | 40 | IR | 753 908 666 | 0.070 | 68 | 20 | 20 | 6,8 | 3,7 | 2 68 240 011 | |
| 175 | 50 | IR | 753 908 665 | 0.074 | 65 | 20 | 18 | 6,8 | 4,6 | 2 68 240 011 | |
| 175 | 63 | IR | 753 908 664 | 0.081 | 65 | 20 | 18 | 6,8 | 5,8 | 2 68 240 011 | |
| 190 | 63 | IR | 753 908 671 | 0.126 | 75 | 21 | 17 | 8,2 | 5,8 | 2 68 240 011 | |
| 190 | 75 | IR | 753 908 670 | 0.132 | 75 | 22 | 17 | 8,2 | 6,8 | 2 68 240 011 | |
| 1110 | 75 | IR | 753 908 677 | 0.219 | 90 | 28 | 17 | 10,0 | 6,8 | 2 68 240 011 | |
| 1110 | 90 | IR | 753 908 676 | 0.240 | 90 | 28 | 20 | 10,0 | 8,2 | 2 68 240 011 | |
| 2125 | 110 | IR | 753 908 680 | 0.350 | 100 | 32 | 26 | 11,4 | 10,0 | 2 68 240 005 | |
| 2140 | 110 | IR | 753 908 685 | 0.437 | 110 | 35 | 28 | 12,7 | 10,0 | 2 68 240 005 | |
| 2140 | 125 | IR | 753 908 684 | 0.474 | 110 | 35 | 28 | 12,7 | 11,4 | 2 68 240 005 | |
| 2160 | 110 | IR | 753 908 690 | 0.612 | 120 | 40 | 25 | 14,6 | 10,0 | 2 68 240 005 | |
| 2160 | 140 | IR | 753 908 688 | 0.674 | 120 | 40 | 33 | 14,6 | 12,7 | 2 68 240 005 | |
| 1180 | 90 | IR | 753 908 877 | 0.678 | 157 | 45 | 22 | 16,4 | 8,2 | 2 68 240 011 | |
| 1180 | 110 | IR | 753 908 878 | 0.991 | 157 | 45 | 28 | 16,4 | 10,0 | 2 68 240 011 | |
| 1180 | 125 | IR | 753 908 879 | 0.528 | 136 | 45 | 32 | 16,4 | 11,4 | 2 68 240 011 | |
| 1180 | 140 | IR | 753 908 880 | 0.963 | 136 | 45 | 35 | 16,4 | 12,7 | 2 68 240 011 | |

table continued next page



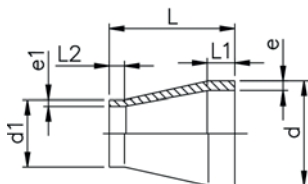
| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | e1 [mm] | PF |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|-----------|------------|--------------|
| 1 180 | 160 | IR | 753 908 881 | 1.094 | 136 | 45 | 40 | 16,4 | 14,6 | 2 68 240 011 |
| 2 200 | 160 | IR | 753 908 692 | 1.247 | 150 | 50 | 35 | 18,2 | 14,6 | 2 68 240 005 |
| 1 200 | 180 | IR | 753 908 883 | 1.419 | 151 | 50 | 45 | 18,2 | 16,4 | 2 68 240 011 |
| 2 225 | 110 | IR | 753 908 695 | 1.559 | 171 | 55 | 45 | 20,5 | 10,0 | 2 68 240 005 |
| 2 225 | 160 | IR | 753 908 696 | 1.643 | 160 | 55 | 37 | 20,5 | 14,6 | 2 68 240 005 |
| 1 225 | 180 | IR | 753 908 885 | 1.999 | 171 | 55 | 45 | 20,5 | 16,4 | 2 68 240 011 |
| 2 225 | 200 | IR | 753 908 697 | 1.844 | 160 | 55 | 48 | 20,5 | 18,2 | 2 68 240 005 |
| 1 250 | 160 | -- | 753 908 890 | 2.416 | 194 | 60 | 40 | 22,7 | 14,6 | 2 68 240 011 |
| 3 250 | 180 | -- | 753 900 001 | 2.513 | 175 | 60 | 55 | 22,7 | 16,4 | 2 68 240 040 |
| 3 250 | 200 | -- | 753 900 002 | 2.450 | 180 | 60 | 60 | 22,7 | 18,2 | 2 68 240 040 |
| 1 250 | 225 | -- | 753 908 887 | 2.766 | 182 | 60 | 55 | 22,7 | 20,5 | 2 68 240 011 |
| 3 280 | 200 | -- | 753 900 004 | 3.540 | 205 | 70 | 50 | 25,4 | 18,2 | 2 68 240 040 |
| 1 280 | 225 | -- | 753 908 892 | 1.943 | 105 | 30 | 20 | 25,4 | 20,5 | 2 68 240 011 |
| 1 280 | 250 | -- | 753 908 891 | 1.802 | 70 | 30 | 18 | 25,4 | 22,7 | 2 68 240 011 |
| 3 315 | 200 | -- | 753 900 007 | 3.996 | 225 | 80 | 50 | 28,6 | 20,5 | 2 68 240 040 |
| 1 315 | 225 | -- | 753 908 897 | 3.491 | 130 | 30 | 30 | 28,6 | 20,5 | 2 68 240 011 |
| 1 315 | 250 | -- | 753 908 896 | 2.379 | 100 | 30 | 20 | 28,6 | 22,7 | 2 68 240 011 |
| 1 315 | 280 | -- | 753 908 895 | 1.684 | 63 | 30 | 18 | 28,6 | 25,4 | 2 68 240 011 |
| 3 355 | 225 | -- | 753 900 011 | 4.700 | 245 | 90 | 55 | 32,3 | 20,5 | 2 68 240 040 |
| 3 355 | 250 | -- | 753 900 012 | 4.400 | 245 | 90 | 60 | 32,3 | 22,7 | 2 68 240 040 |
| 3 355 | 280 | -- | 753 900 013 | 4.100 | 245 | 90 | 70 | 32,3 | 25,4 | 2 68 240 040 |
| 3 355 | 315 | -- | 753 900 014 | 3.700 | 245 | 90 | 80 | 32,3 | 28,6 | 2 68 240 040 |
| 3 400 | 225 | -- | 753 900 015 | 7.963 | 260 | 95 | 60 | 36,4 | 20,5 | 2 68 240 040 |
| 3 400 | 250 | -- | 753 900 016 | 6.800 | 260 | 95 | 70 | 36,4 | 22,7 | 2 68 240 040 |
| 3 400 | 280 | -- | 753 900 017 | 6.200 | 260 | 95 | 70 | 36,4 | 25,4 | 2 68 240 040 |
| 3 400 | 315 | -- | 753 900 018 | 10.829 | 260 | 95 | 80 | 36,4 | 28,6 | 2 68 240 040 |
| 3 400 | 355 | -- | 753 900 019 | 4.800 | 260 | 95 | 90 | 36,4 | 32,3 | 2 68 240 040 |
| 3 450 | 280 | -- | 753 900 020 | 9.000 | 230 | 60 | 70 | 40,9 | 25,4 | 2 68 240 040 |
| 3 450 | 315 | -- | 753 900 021 | 8.000 | 230 | 60 | 80 | 40,9 | 28,6 | 2 68 240 040 |
| 3 450 | 355 | -- | 753 900 022 | 7.400 | 230 | 60 | 90 | 40,9 | 32,3 | 2 68 240 040 |
| 3 450 | 400 | -- | 753 900 023 | 6.600 | 230 | 60 | 95 | 40,9 | 36,4 | 2 68 240 040 |
| 3 500 | 315 | -- | 753 900 024 | 12.000 | 230 | 60 | 80 | 45,5 | 28,6 | 2 68 240 040 |
| 3 500 | 355 | -- | 753 900 025 | 10.800 | 230 | 60 | 90 | 45,5 | 32,3 | 2 68 240 040 |
| 3 500 | 400 | -- | 753 900 026 | 10.000 | 230 | 60 | 95 | 45,5 | 36,4 | 2 68 240 040 |
| 3 500 | 450 | -- | 753 900 027 | 8.300 | 200 | 60 | 60 | 45,5 | 40,9 | 2 68 240 040 |
| 3 710 | 500 | -- | 753 900 035 | 24.157 | 190 | 84 | 40 | 64,5 | 45,4 | 2 68 240 040 |
| 3 710 | 560 | -- | 753 900 036 | 21.770 | 170 | 81 | 40 | 64,5 | 50,8 | 2 68 240 040 |
| 3 710 | 630 | -- | 753 900 037 | 17.845 | 140 | 71 | 40 | 64,5 | 57,2 | 2 68 240 040 |



Reducer PE100 SDR17/17.6

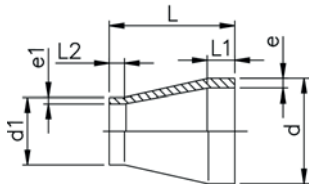
Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- Up to d 315 injection moulded, above machined

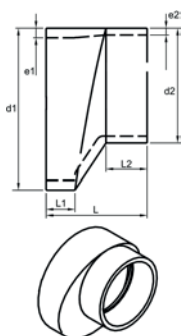


| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | e1 [mm] |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|-----------|------------|
| 50 | 40 | IR | 753 908 926 | 0.024 | 55 | 12 | 12 | 2,9 | 2,3 |
| 63 | 40 | IR | 753 908 927 | 0.036 | 65 | 16 | 12 | 3,6 | 2,3 |
| 63 | 50 | IR | 753 908 928 | 0.039 | 65 | 16 | 12 | 3,6 | 2,9 |
| 75 | 40 | IR | 753 908 904 | 0.041 | 71 | 19 | 12 | 4,3 | 2,3 |
| 75 | 50 | IR | 753 908 465 | 0.049 | 65 | 20 | 20 | 4,3 | 2,9 |
| 75 | 63 | IR | 753 908 464 | 0.056 | 65 | 20 | 20 | 4,3 | 3,6 |
| 90 | 63 | IR | 753 908 471 | 0.083 | 75 | 20 | 19 | 5,1 | 3,6 |
| 90 | 75 | IR | 753 908 470 | 0.092 | 75 | 20 | 20 | 5,1 | 4,3 |
| 110 | 75 | IR | 753 908 477 | 0.157 | 89 | 28 | 18 | 6,3 | 4,3 |
| 110 | 90 | IR | 753 908 476 | 0.168 | 90 | 28 | 20 | 6,3 | 5,1 |
| 125 | 110 | IR | 753 908 912 | 0.272 | 108 | 32 | 28 | 7,1 | 6,3 |
| 140 | 110 | IR | 753 908 917 | 0.330 | 115 | 35 | 28 | 8,0 | 6,3 |
| 140 | 125 | IR | 753 908 916 | 0.374 | 115 | 35 | 32 | 8,0 | 7,1 |
| 160 | 110 | IR | 753 908 922 | 0.456 | 124 | 40 | 28 | 9,1 | 6,3 |
| 160 | 140 | IR | 753 908 920 | 0.499 | 124 | 40 | 35 | 9,1 | 8,0 |
| 180 | 90 | IR | 753 908 975 | 0.897 | 157 | 45 | 22 | 10,2 | 5,1 |
| 180 | 110 | IR | 753 908 976 | 0.690 | 157 | 45 | 28 | 10,2 | 6,3 |
| 180 | 125 | IR | 753 908 977 | 0.616 | 136 | 45 | 32 | 10,2 | 7,1 |

table continued next page



| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|-----------|------------|--|
| 180 | 140 | IR | 753 908 978 | 0.647 | 136 | 45 | 35 | 10,2 | 8,0 | |
| 180 | 160 | IR | 753 908 979 | 0.713 | 136 | 45 | 40 | 10,2 | 9,1 | |
| 200 | 160 | IR | 753 908 931 | 0.860 | 151 | 50 | 40 | 11,4 | 9,1 | |
| 200 | 180 | IR | 753 908 981 | 0.971 | 151 | 50 | 45 | 11,4 | 10,2 | |
| 225 | 110 | IR | 753 908 938 | 1.382 | 160 | 55 | 35 | 12,8 | 6,3 | |
| 225 | 160 | IR | 753 908 933 | 1.120 | 171 | 55 | 40 | 12,8 | 9,1 | |
| 225 | 180 | IR | 753 908 985 | 1.364 | 171 | 55 | 45 | 12,8 | 10,2 | |
| 225 | 200 | IR | 753 908 932 | 1.234 | 171 | 55 | 50 | 12,8 | 11,4 | |
| 250 | 160 | -- | 753 908 939 | 1.601 | 194 | 60 | 40 | 14,2 | 9,1 | |
| 250 | 180 | -- | 753 902 801 | 1.690 | 175 | 60 | 55 | 14,8 | 10,7 | |
| 250 | 200 | -- | 753 902 802 | 1.899 | 180 | 60 | 60 | 14,8 | 11,9 | |
| 250 | 225 | -- | 753 908 937 | 1.853 | 182 | 60 | 55 | 14,2 | 12,8 | |
| 280 | 200 | -- | 753 902 804 | 2.585 | 205 | 70 | 50 | 16,6 | 11,9 | |
| 280 | 225 | -- | 753 908 944 | 1.423 | 105 | 30 | 20 | 15,9 | 12,8 | |
| 280 | 250 | -- | 753 908 943 | 1.002 | 70 | 30 | 18 | 15,9 | 14,2 | |
| 315 | 200 | -- | 753 902 807 | 2.907 | 225 | 80 | 50 | 18,7 | 11,9 | |
| 315 | 225 | -- | 753 908 950 | 2.154 | 130 | 30 | 20 | 17,9 | 12,8 | |
| 315 | 250 | -- | 753 908 949 | 1.702 | 100 | 30 | 20 | 17,9 | 14,2 | |
| 315 | 280 | -- | 753 908 999 | 1.598 | 63 | 30 | 18 | 17,9 | 15,9 | |
| 355 | 225 | -- | 753 902 811 | 4.700 | 245 | 90 | 55 | 21,1 | 13,4 | |
| 355 | 250 | -- | 753 902 812 | 9.425 | 245 | 90 | 60 | 21,1 | 14,8 | |
| 355 | 280 | -- | 753 902 813 | 4.280 | 245 | 90 | 70 | 21,1 | 16,6 | |
| 355 | 315 | -- | 753 902 814 | 3.700 | 245 | 90 | 80 | 21,1 | 18,7 | |
| 400 | 225 | -- | 753 902 815 | 4.600 | 260 | 95 | 60 | 23,7 | 13,4 | |
| 400 | 250 | -- | 753 902 816 | 4.400 | 260 | 95 | 70 | 23,7 | 14,8 | |
| 400 | 280 | -- | 753 902 817 | 5.922 | 260 | 95 | 70 | 23,7 | 16,6 | |
| 400 | 315 | -- | 753 902 818 | 3.520 | 260 | 95 | 80 | 23,7 | 18,7 | |
| 400 | 355 | -- | 753 902 819 | 7.163 | 260 | 95 | 90 | 23,7 | 21,1 | |
| 450 | 280 | -- | 753 902 820 | 6.340 | 230 | 60 | 70 | 26,7 | 16,6 | |
| 450 | 315 | -- | 753 902 821 | 5.400 | 230 | 60 | 80 | 26,7 | 18,7 | |
| 450 | 355 | -- | 753 902 822 | 5.000 | 230 | 60 | 90 | 26,7 | 21,1 | |
| 450 | 400 | -- | 753 902 823 | 8.098 | 230 | 60 | 95 | 26,7 | 23,7 | |
| 500 | 315 | -- | 753 902 824 | 8.100 | 230 | 60 | 80 | 29,7 | 18,7 | |
| 500 | 355 | -- | 753 902 825 | 8.424 | 230 | 60 | 90 | 29,7 | 21,1 | |
| 500 | 400 | -- | 753 902 826 | 7.974 | 230 | 60 | 95 | 29,7 | 23,7 | |
| 500 | 450 | -- | 753 902 827 | 5.500 | 200 | 60 | 60 | 29,7 | 26,7 | |
| 560 | 400 | -- | 753 902 828 | 9.900 | 230 | 60 | 95 | 33,2 | 23,7 | |
| 560 | 450 | -- | 753 902 829 | 8.600 | 200 | 60 | 60 | 33,2 | 26,7 | |
| 560 | 500 | -- | 753 902 830 | 7.600 | 200 | 60 | 60 | 33,2 | 29,7 | |
| 630 | 400 | -- | 753 902 831 | 15.100 | 230 | 60 | 95 | 37,4 | 23,7 | |
| 630 | 450 | -- | 753 902 832 | 13.700 | 200 | 60 | 60 | 37,4 | 26,7 | |
| 630 | 500 | -- | 753 902 833 | 12.000 | 200 | 60 | 60 | 37,4 | 29,7 | |
| 630 | 560 | -- | 753 902 834 | 9.800 | 200 | 60 | 60 | 37,4 | 33,2 | |
| 710 | 500 | -- | 753 902 835 | 16.750 | 190 | 84 | 40 | 42,1 | 29,7 | |
| 710 | 560 | -- | 753 902 836 | 15.014 | 170 | 81 | 40 | 42,1 | 33,2 | |
| 710 | 630 | -- | 753 902 837 | 12.215 | 140 | 71 | 40 | 42,1 | 37,4 | |
| 800 | 560 | -- | 753 902 838 | 22.731 | 200 | 85 | 40 | 47,4 | 33,2 | |
| 800 | 630 | -- | 753 902 839 | 20.475 | 180 | 85 | 40 | 47,4 | 37,4 | |
| 800 | 710 | -- | 753 902 840 | 16.774 | 150 | 78 | 40 | 47,4 | 42,1 | |
| 900 | 630 | -- | 753 902 841 | 32.055 | 220 | 96 | 40 | 53,3 | 37,4 | |
| 900 | 710 | -- | 753 902 842 | 27.731 | 190 | 89 | 40 | 53,3 | 42,1 | |
| 900 | 800 | -- | 753 902 843 | 22.854 | 160 | 85 | 40 | 53,3 | 47,4 | |
| 1000 | 710 | -- | 753 902 844 | 40.412 | 220 | 91 | 40 | 59,3 | 42,1 | |
| 1000 | 800 | -- | 753 902 845 | 33.910 | 180 | 86 | 40 | 59,3 | 47,4 | |
| 1000 | 900 | -- | 753 902 846 | 25.824 | 140 | 75 | 40 | 59,3 | 53,3 | |

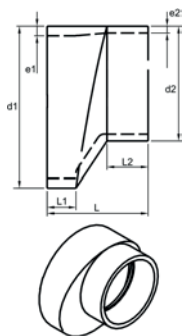


Reducing Bushes eccentric, PE100 SDR11

Model:

- Conventional butt fusion according to DVS2207
- Machined

| d1 [mm] | d2 [mm] | PN | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e1 [mm] | e2 [mm] | |
|------------|------------|----|--------------------|-------|-----------|------------|------------|------------|------------|--|
| 63 | 50 | 16 | 700 647 600 | 1.000 | 120 | 35 | 35 | 5,8 | 4,6 | |
| 75 | 50 | 16 | 700 647 601 | 1.000 | 120 | 40 | 35 | 6,8 | 4,6 | |
| 75 | 63 | 16 | 700 647 602 | 1.000 | 120 | 40 | 35 | 6,8 | 5,8 | |
| 90 | 63 | 16 | 700 647 603 | 1.000 | 140 | 50 | 50 | 8,2 | 5,8 | |
| 90 | 75 | 16 | 700 647 604 | 1.000 | 140 | 50 | 50 | 8,2 | 6,8 | |
| 110 | 75 | 16 | 700 647 605 | 1.000 | 140 | 50 | 50 | 10 | 6,8 | |
| 110 | 90 | 16 | 700 647 606 | 1.000 | 140 | 50 | 50 | 10 | 8,2 | |
| 125 | 90 | 16 | 700 647 607 | 1.000 | 140 | 50 | 50 | 11,4 | 5,1 | |
| 125 | 110 | 16 | 700 647 608 | 1.000 | 140 | 50 | 50 | 11,4 | 10 | |
| 140 | 90 | 16 | 700 647 609 | 1.000 | 140 | 50 | 50 | 12,7 | 8,2 | |
| 140 | 110 | 16 | 700 647 610 | 1.000 | 140 | 50 | 50 | 12,7 | 10 | |
| 160 | 90 | 16 | 700 647 611 | 1.000 | 140 | 50 | 54 | 14,6 | 8,2 | |
| 160 | 110 | 16 | 700 647 612 | 1.000 | 120 | 40 | 45 | 14,6 | 10 | |
| 160 | 125 | 16 | 700 647 613 | 1.000 | 110 | 40 | 44 | 14,6 | 11,4 | |
| 160 | 140 | 16 | 700 647 614 | 1.000 | 90 | 40 | 33 | 14,6 | 12,7 | |
| 180 | 125 | 16 | 700 647 615 | 1.000 | 130 | 40 | 52 | 16,4 | 11,4 | |
| 180 | 140 | 16 | 700 647 616 | 1.000 | 110 | 40 | 41 | 16,4 | 12,7 | |
| 180 | 160 | 16 | 700 647 617 | 1.000 | 90 | 40 | 33 | 16,4 | 16,4 | |
| 200 | 140 | 16 | 700 647 618 | 1.000 | 140 | 40 | 50 | 18,2 | 12,7 | |
| 200 | 160 | 16 | 700 647 619 | 1.000 | 120 | 40 | 41 | 18,2 | 14,6 | |
| 200 | 180 | 16 | 700 647 620 | 1.000 | 100 | 40 | 43 | 18,2 | 16,4 | |
| 225 | 160 | 16 | 700 647 621 | 1.000 | 140 | 40 | 57 | 20,5 | 14,6 | |
| 225 | 180 | 16 | 700 647 622 | 1.000 | 120 | 40 | 48 | 20,5 | 16,4 | |
| 225 | 200 | 16 | 700 647 623 | 1.000 | 100 | 40 | 40 | 20,5 | 18,2 | |
| 250 | 180 | 16 | 700 647 624 | 1.000 | 150 | 40 | 54 | 22,7 | 16,4 | |
| 250 | 200 | 16 | 700 647 625 | 1.000 | 130 | 40 | 55 | 22,7 | 18,2 | |
| 250 | 225 | 16 | 700 647 626 | 1.000 | 110 | 40 | 40 | 22,7 | 20,5 | |
| 280 | 200 | 16 | 700 647 627 | 1.000 | 160 | 40 | 58 | 25,4 | 18,2 | |
| 280 | 225 | 16 | 700 647 628 | 1.000 | 130 | 40 | 52 | 25,4 | 20,5 | |
| 280 | 250 | 16 | 700 647 629 | 1.000 | 110 | 40 | 47 | 25,4 | 22,7 | |
| 315 | 225 | 16 | 700 647 630 | 1.000 | 160 | 40 | 62 | 28,6 | 20,5 | |
| 315 | 250 | 16 | 700 647 631 | 1.000 | 140 | 40 | 57 | 28,6 | 22,7 | |
| 315 | 280 | 16 | 700 647 632 | 1.000 | 120 | 40 | 54 | 28,6 | 25,4 | |
| 355 | 250 | 16 | 700 647 633 | 1.000 | 180 | 40 | 74 | 32,2 | 22,7 | |
| 355 | 250 | 16 | 700 647 634 | 1.000 | 150 | 40 | 61 | 32,2 | 25,4 | |
| 355 | 315 | 16 | 700 647 635 | 1.000 | 120 | 40 | 51 | 32,2 | 28,6 | |
| 400 | 280 | 16 | 700 647 636 | 1.000 | 200 | 40 | 85 | 36,3 | 25,4 | |
| 400 | 315 | 16 | 700 647 637 | 1.000 | 170 | 40 | 75 | 36,3 | 28,6 | |
| 400 | 355 | 16 | 700 647 638 | 1.000 | 130 | 40 | 58 | 36,3 | 32,2 | |
| 450 | 355 | 16 | 700 647 639 | 1.000 | 210 | 40 | 86 | 40,9 | 28,6 | |
| 450 | 355 | 16 | 700 647 640 | 1.000 | 180 | 40 | 79 | 40,9 | 32,2 | |
| 450 | 400 | 16 | 700 647 641 | 1.000 | 140 | 40 | 65 | 40,9 | 36,3 | |
| 500 | 400 | 16 | 700 647 642 | 1.000 | 260 | 40 | 107 | 45,4 | 28,6 | |
| 500 | 355 | 16 | 700 647 643 | 1.000 | 220 | 40 | 91 | 45,4 | 32,2 | |
| 500 | 400 | 16 | 700 647 644 | 1.000 | 190 | 40 | 86 | 45,4 | 36,3 | |
| 500 | 450 | 16 | 700 647 645 | 1.000 | 140 | 40 | 65 | 45,4 | 40,9 | |
| 560 | 450 | 16 | 700 647 646 | 1.000 | 200 | 40 | 91 | 50,8 | 40,9 | |
| 560 | 500 | 16 | 700 647 647 | 1.000 | 150 | 40 | 70 | 50,8 | 45,4 | |
| 630 | 500 | 16 | 700 647 648 | 1.000 | 220 | 40 | 99 | 57,2 | 45,4 | |
| 630 | 560 | 16 | 700 647 649 | 1.000 | 170 | 40 | 84 | 57,2 | 50,8 | |

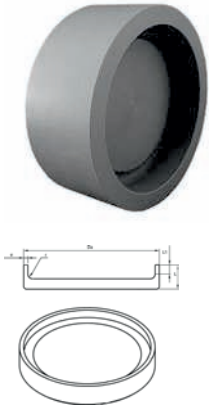


Reducing Bushes eccentric, PE100 SDR17.6

Model:

- Conventional butt fusion according to DVS2207
- Machined

| d1 [mm] | d2 [mm] | PN | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e1 [mm] | e2 [mm] | |
|------------|------------|----|--------------------|-------|-----------|------------|------------|------------|------------|--|
| 63 | 50 | 10 | 700 647 650 | 1.000 | 120 | 35 | 35 | 3,6 | 2,9 | |
| 75 | 50 | 10 | 700 647 651 | 1.000 | 120 | 40 | 35 | 4,3 | 2,9 | |
| 75 | 63 | 10 | 700 647 652 | 1.000 | 120 | 40 | 35 | 4,3 | 3,6 | |
| 90 | 63 | 10 | 700 647 653 | 1.000 | 140 | 50 | 50 | 5,1 | 3,6 | |
| 90 | 75 | 10 | 700 647 654 | 1.000 | 140 | 50 | 50 | 5,1 | 4,3 | |
| 110 | 75 | 10 | 700 647 655 | 1.000 | 140 | 50 | 50 | 6,3 | 4,3 | |
| 110 | 90 | 10 | 700 647 656 | 1.000 | 140 | 50 | 50 | 6,3 | 5,1 | |
| 125 | 90 | 10 | 700 647 657 | 1.000 | 140 | 50 | 50 | 7,1 | 5,1 | |
| 125 | 110 | 10 | 700 647 658 | 1.000 | 140 | 50 | 50 | 7,1 | 6,3 | |
| 140 | 90 | 10 | 700 647 659 | 1.000 | 140 | 50 | 50 | 8,0 | 5,1 | |
| 140 | 110 | 10 | 700 647 660 | 1.000 | 140 | 50 | 50 | 8,0 | 6,3 | |
| 160 | 90 | 10 | 700 647 661 | 1.000 | 140 | 50 | 54 | 9,5 | 5,4 | |
| 160 | 110 | 10 | 700 647 662 | 1.000 | 120 | 40 | 45 | 9,5 | 6,6 | |
| 160 | 125 | 10 | 700 647 663 | 1.000 | 110 | 40 | 44 | 9,5 | 7,4 | |
| 160 | 140 | 10 | 700 647 664 | 1.000 | 90 | 40 | 33 | 9,5 | 8,3 | |
| 180 | 125 | 10 | 700 647 665 | 1.000 | 130 | 40 | 52 | 10,7 | 7,4 | |
| 180 | 140 | 10 | 700 647 666 | 1.000 | 110 | 40 | 41 | 10,7 | 8,3 | |
| 180 | 160 | 10 | 700 647 667 | 1.000 | 90 | 40 | 33 | 10,7 | 9,5 | |
| 200 | 140 | 10 | 700 647 668 | 1.000 | 140 | 40 | 50 | 11,9 | 8,3 | |
| 200 | 160 | 10 | 700 647 669 | 1.000 | 120 | 40 | 41 | 11,9 | 9,5 | |
| 200 | 180 | 10 | 700 647 670 | 1.000 | 100 | 40 | 43 | 11,9 | 10,7 | |
| 225 | 160 | 10 | 700 647 671 | 1.000 | 140 | 40 | 57 | 13,4 | 9,5 | |
| 225 | 180 | 10 | 700 647 672 | 1.000 | 120 | 40 | 48 | 13,4 | 10,7 | |
| 225 | 200 | 10 | 700 647 673 | 1.000 | 100 | 40 | 40 | 13,4 | 11,9 | |
| 250 | 180 | 10 | 700 647 674 | 1.000 | 150 | 40 | 54 | 14,8 | 10,7 | |
| 250 | 200 | 10 | 700 647 675 | 1.000 | 130 | 40 | 55 | 14,8 | 11,9 | |
| 250 | 225 | 10 | 700 647 676 | 1.000 | 110 | 40 | 40 | 14,8 | 13,4 | |
| 280 | 200 | 10 | 700 647 677 | 1.000 | 160 | 40 | 58 | 16,6 | 11,9 | |
| 280 | 225 | 10 | 700 647 678 | 1.000 | 130 | 40 | 52 | 16,6 | 13,4 | |
| 280 | 250 | 10 | 700 647 679 | 1.000 | 110 | 40 | 47 | 16,6 | 14,8 | |
| 315 | 225 | 10 | 700 647 680 | 1.000 | 160 | 40 | 62 | 18,7 | 13,4 | |
| 315 | 250 | 10 | 700 647 681 | 1.000 | 140 | 40 | 57 | 18,7 | 14,8 | |
| 315 | 280 | 10 | 700 647 682 | 1.000 | 120 | 40 | 54 | 18,7 | 16,6 | |
| 355 | 250 | 10 | 700 647 683 | 1.000 | 180 | 40 | 74 | 21,1 | 14,8 | |
| 355 | 280 | 10 | 700 647 684 | 1.000 | 150 | 40 | 61 | 21,1 | 16,6 | |
| 355 | 315 | 10 | 700 647 685 | 1.000 | 120 | 40 | 51 | 21,1 | 18,7 | |
| 400 | 280 | 10 | 700 647 686 | 1.000 | 200 | 40 | 85 | 23,7 | 16,6 | |
| 400 | 315 | 10 | 700 647 687 | 1.000 | 170 | 40 | 75 | 23,7 | 18,7 | |
| 400 | 355 | 10 | 700 647 688 | 1.000 | 130 | 40 | 58 | 23,7 | 21,1 | |
| 450 | 315 | 10 | 700 647 689 | 1.000 | 210 | 40 | 86 | 26,7 | 18,7 | |
| 450 | 355 | 10 | 700 647 690 | 1.000 | 180 | 40 | 79 | 26,7 | 21,1 | |
| 450 | 400 | 10 | 700 647 691 | 1.000 | 140 | 40 | 65 | 26,7 | 23,7 | |
| 500 | 315 | 10 | 700 647 692 | 1.000 | 260 | 40 | 107 | 29,7 | 18,7 | |
| 500 | 355 | 10 | 700 647 693 | 1.000 | 220 | 40 | 91 | 29,7 | 21,1 | |
| 500 | 400 | 10 | 700 647 694 | 1.000 | 190 | 40 | 86 | 29,7 | 23,7 | |
| 500 | 450 | 10 | 700 647 695 | 1.000 | 140 | 40 | 65 | 29,7 | 26,7 | |
| 560 | 450 | 10 | 700 647 696 | 1.000 | 200 | 40 | 91 | 33,2 | 26,7 | |
| 560 | 500 | 10 | 700 647 697 | 1.000 | 150 | 40 | 70 | 33,2 | 29,7 | |
| 630 | 500 | 10 | 700 647 698 | 1.000 | 220 | 40 | 99 | 37,4 | 29,7 | |
| 630 | 560 | 10 | 700 647 699 | 1.000 | 170 | 40 | 84 | 37,4 | 33,2 | |



End Cap PE100, SDR11

Model:

- Conventional butt fusion according to DVS2207
- Machined

| d [mm] | PN | Code | L [mm] | L1 [mm] | e [mm] | r [mm] | |
|-----------|----|-------------|-----------|------------|-----------|-----------|--|
| 63 | 16 | 700 665 184 | 30 | 15 | 5,8 | 5 | |
| 75 | 16 | 700 665 185 | 30 | 15 | 6,8 | 5 | |
| 90 | 16 | 700 665 186 | 30 | 15 | 8,2 | 5 | |
| 110 | 16 | 700 665 187 | 30 | 15 | 10,0 | 5 | |
| 125 | 16 | 700 665 188 | 35 | 15 | 11,4 | 5 | |
| 140 | 16 | 700 665 189 | 40 | 15 | 12,7 | 5 | |
| 160 | 16 | 700 665 190 | 40 | 15 | 14,6 | 6 | |
| 180 | 16 | 700 665 191 | 45 | 15 | 16,4 | 6 | |
| 200 | 16 | 700 665 192 | 50 | 15 | 18,2 | 6 | |
| 225 | 16 | 700 665 193 | 50 | 15 | 20,5 | 8 | |
| 250 | 16 | 700 665 194 | 55 | 15 | 22,7 | 8 | |
| 280 | 16 | 700 665 195 | 60 | 15 | 25,4 | 8 | |
| 315 | 16 | 700 665 196 | 65 | 15 | 28,6 | 8 | |
| 355 | 16 | 700 665 197 | 70 | 15 | 32,2 | 8 | |
| 400 | 16 | 700 665 198 | 75 | 15 | 36,3 | 10 | |
| 450 | 16 | 700 665 199 | 80 | 15 | 40,9 | 10 | |
| 500 | 16 | 700 665 200 | 90 | 14 | 45,4 | 10 | |
| 560 | 16 | 700 665 201 | 100 | 14 | 50,8 | 10 | |
| 630 | 16 | 700 665 202 | 110 | 15 | 57,2 | 10 | |

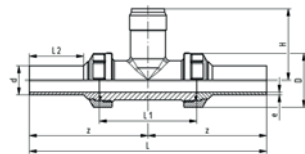


End Cap PE100, SDR17.6

Model:

- Conventional butt fusion according to DVS2207
- Machined

| d [mm] | PN | Code | L [mm] | L1 [mm] | e [mm] | r [mm] | |
|-----------|----|-------------|-----------|------------|-----------|-----------|--|
| 63 | 10 | 700 665 260 | 30 | 15 | 3,6 | 5 | |
| 75 | 10 | 700 665 261 | 30 | 15 | 4,3 | 5 | |
| 90 | 10 | 700 665 262 | 30 | 15 | 5,1 | 5 | |
| 110 | 10 | 700 665 263 | 30 | 15 | 6,3 | 5 | |
| 125 | 10 | 700 665 264 | 30 | 15 | 7,1 | 5 | |
| 140 | 10 | 700 665 265 | 30 | 15 | 8,0 | 5 | |
| 160 | 10 | 700 665 266 | 35 | 15 | 9,1 | 6 | |
| 180 | 10 | 700 665 267 | 40 | 15 | 10,2 | 6 | |
| 200 | 10 | 700 665 268 | 40 | 15 | 11,4 | 6 | |
| 225 | 10 | 700 665 269 | 45 | 15 | 12,8 | 8 | |
| 250 | 10 | 700 665 270 | 45 | 15 | 14,2 | 8 | |
| 280 | 10 | 700 665 271 | 45 | 15 | 15,9 | 8 | |
| 315 | 10 | 700 665 272 | 55 | 15 | 17,9 | 8 | |
| 355 | 10 | 700 665 273 | 55 | 15 | 20,1 | 8 | |
| 400 | 10 | 700 665 274 | 60 | 15 | 22,7 | 10 | |
| 450 | 10 | 700 665 275 | 70 | 15 | 26,7 | 10 | |
| 500 | 10 | 700 665 276 | 75 | 14 | 29,7 | 10 | |
| 560 | 10 | 700 665 277 | 80 | 14 | 33,2 | 10 | |
| 630 | 10 | 700 665 278 | 90 | 15 | 37,4 | 10 | |



Installation fitting type 318 PE100 SDR 11

For butt fusion systems metric

Model:

- Body and union nut PP-H
- Threaded outlet 1 1/4" NPSM
- Union end with butt fusion spigot PE100

Range of use:

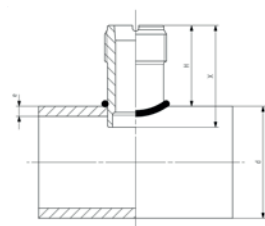
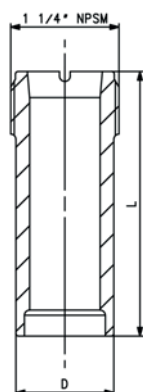
- compatible signet flow sensors: type 2551, 2537, 515, 8510, 2536, 8512
- compatible signet pH/ORP sensors: type 2724, 2725, 2726

Attention:

- sensor length depends on installation fitting

| d [mm] | DN [mm] | PN | FM | EPDM Code | FPM Code | kg | |
|-----------|------------|----|----|--------------------|--------------------|-------|--|
| 20 | 15 | 10 | IR | 753 318 006 | 753 318 036 | 0.136 | |
| 25 | 20 | 10 | IR | 753 318 007 | 753 318 037 | 0.190 | |
| 32 | 25 | 10 | IR | 753 318 008 | 753 318 038 | 0.250 | |
| 40 | 32 | 10 | IR | 753 318 009 | 753 318 039 | 0.356 | |
| 50 | 40 | 10 | IR | 753 318 010 | 753 318 040 | 0.510 | |
| 63 | 50 | 10 | IR | 753 318 011 | 753 318 041 | 0.800 | |

| d [mm] | D [mm] | z [mm] | L [mm] | L1 [mm] | L2 [mm] | H [mm] | e [mm] | Sensor Type | |
|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|----------------|--|
| 20 | 48 | 112 | 224 | 90 | 52 | 76 | 1.9 | flow X0, pH XX | |
| 25 | 58 | 121 | 242 | 100 | 53 | 78 | 2.3 | flow X0, pH XX | |
| 32 | 65 | 128 | 256 | 110 | 55 | 81 | 2.9 | flow X0, pH XX | |
| 40 | 79 | 136 | 272 | 110 | 60 | 85 | 3.7 | flow X0, pH XX | |
| 50 | 91 | 147 | 294 | 120 | 66 | 89 | 4.6 | flow X0, pH XX | |
| 63 | 105 | 158 | 316 | 130 | 70 | 95 | 5.8 | flow X0, pH XX | |



Installation fitting type 314 PE100

Model:

- Material: PE100
- Threaded outlet 1 1/4" NPSM
- for conventional hot gas back welding according to DVS 2207 part 3

Range of use:

- compatible signet flow sensors: type 2551, 2537, 515, 8510, 2536, 8512
- compatible signet pH/ORP sensors: type 2724, 2725, 2726

Attention:

- only for pressureless or low pressure application
- pressure rate depends on quality of hot gas back welding
- please consult the instruction manual
- Installation by trained and certified welders only
- sensor length depends on installation fitting

| d [mm] | DN | PN* [bar] | Code | kg | D [mm] | L [mm] | Sensor Type | |
|-----------|-----------|--------------|--------------------|-------|-----------|-----------|----------------|--|
| 75 - 180 | 65 - 150 | - | 753 314 000 | 0.042 | 37 | 68 | flow X0, pH XX | |
| 200 - 355 | 200 - 350 | - | 753 314 001 | 0.057 | 37 | 102 | flow X1 | |
| 400 - 630 | 350 - 600 | - | 753 314 002 | 0.934 | 37 | 178 | flow X2 | |

21 31 00

Installation fitting type 312 PE electrofusion system

Model:

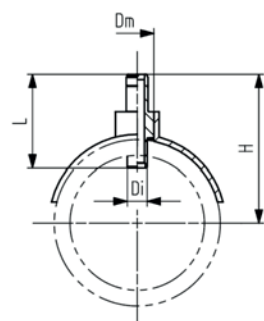
- Material: Polyethylene
- Threaded outlet 1 ¼" NPSM

Range of use:

- compatible signet flow sensors: type 2551, 2537, 515, 8510, 2536, 8512
- compatible signet pH/ORP sensors: type 2724, 2725, 2726

Attention:

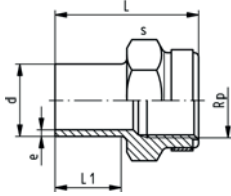
- sensor length depends on installation fitting



| d [mm] | Code | kg | PN [bar] | H [mm] | Di [mm] | L [mm] | Dm [mm] | Sensor Type | |
|-----------|--------------------|-------|-------------|-----------|------------|-----------|------------|-------------|--|
| 75 | 753 312 012 | 1.000 | 16 | 126.10 | 37.8 | 101.6 | 63 | flow x1 | |
| 90 | 753 312 013 | 1.000 | 16 | 132.80 | 37.8 | 101.6 | 63 | flow x1 | |
| 110 | 753 312 014 | 1.000 | 16 | 142.00 | 37.8 | 101.6 | 63 | flow x1 | |
| 125 | 753 312 015 | 1.000 | 16 | 141.60 | 37.8 | 101.6 | 63 | flow x1 | |
| 140 | 753 312 016 | 1.000 | 16 | 145.90 | 37.8 | 101.6 | 63 | flow x1 | |
| 160 | 753 312 017 | 1.000 | 16 | 153.00 | 37.8 | 101.6 | 63 | flow x1 | |
| 180 | 753 312 018 | 1.000 | 16 | 235.20 | 37.8 | 177.8 | 63 | flow x2 | |
| 200 | 753 312 019 | 1.000 | 16 | 244.00 | 37.8 | 177.8 | 63 | flow x2 | |
| 225 | 753 312 020 | 1.000 | 16 | 250.30 | 37.8 | 177.8 | 63 | flow x2 | |
| 250 | 753 312 021 | 1.000 | 16 | 257.80 | 37.8 | 177.8 | 63 | flow x2 | |
| 280 | 753 312 022 | 1.000 | 16 | 267.80 | 37.8 | 177.8 | 63 | flow x2 | |
| 315 | 753 312 023 | 1.000 | 16 | 279.00 | 37.8 | 177.8 | 63 | flow x2 | |
| 355 | 753 312 024 | 1.000 | 16 | 344.64 | 37.8 | 177.8 | 63 | flow x2 | |
| 400 | 753 312 025 | 1.000 | 16 | 359.20 | 37.8 | 177.8 | 63 | flow x2 | |

Adaptor Fittings for Butt Fusion

53 91 02



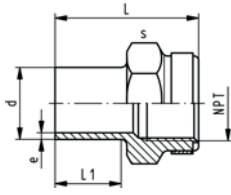
Adaptor socket PE100 SDR11 metric Rp

Model:

- With butt fusion spigot **SDR11** and BSP parallel female thread Rp, reinforced
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PE
- Install with low mechanical stress and avoid large cyclic temperature changes

| d [mm] | Rp [inch] | DN [mm] | FM | Code | kg | L [mm] | L1 [mm] | s [mm] | e [mm] | |
|-----------|--------------|------------|----|--------------------|-------|-----------|------------|-----------|-----------|--|
| 20 | ½ | 15 | IR | 753 910 266 | 0.018 | 48 | 23 | 32 | 1,9 | |
| 25 | ¾ | 20 | IR | 753 910 267 | 0.022 | 50 | 23 | 36 | 2,3 | |
| 32 | 1 | 25 | IR | 753 910 268 | 0.038 | 54 | 23 | 46 | 2,9 | |
| 40 | 1 ¼ | 32 | IR | 753 910 269 | 0.068 | 56 | 23 | 55 | 3,7 | |
| 50 | 1 ½ | 40 | IR | 753 910 270 | 0.083 | 60 | 23 | 65 | 4,6 | |
| 63 | 2 | 50 | IR | 753 910 271 | 0.134 | 62 | 23 | 80 | 5,8 | |

53 91 42



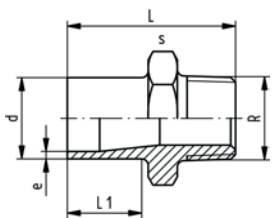
Adaptor socket PE100 SDR11 metric NPT

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- NPT tapered female thread to ASTM F 1498
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PE
- Install with low mechanical stress and avoid large cyclic temperature changes

| d [mm] | NPT [inch] | FM | Code | kg | L [mm] | L1 [mm] | s [mm] | e [mm] | |
|-----------|---------------|----|--------------------|-------|-----------|------------|-----------|-----------|--|
| 20 | ½ | IR | 753 914 266 | 0.018 | 48 | 23 | 32 | 1.9 | |
| 25 | ¾ | IR | 753 914 267 | 0.022 | 50 | 23 | 36 | 2.3 | |
| 32 | 1 | IR | 753 914 268 | 0.038 | 54 | 23 | 46 | 2.9 | |
| 40 | 1 ¼ | IR | 753 914 269 | 0.058 | 56 | 23 | 55 | 3.7 | |
| 50 | 1 ½ | IR | 753 914 270 | 0.083 | 60 | 23 | 65 | 4.6 | |
| 63 | 2 | IR | 753 914 271 | 0.134 | 62 | 23 | 80 | 5.8 | |

53 91 05



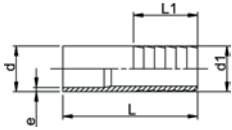
Adaptor nipple PE100 SDR11 metric R

Model:

- With butt fusion spigot SDR11 and tapered male thread
- Do not use thread sealing pastes that are harmful to PE
- Install with low mechanical stress and avoid large cyclic temperature changes

| d [mm] | R [inch] | DN [mm] | FM | Code | kg | L [mm] | L1 [mm] | s [mm] | e [mm] | |
|-----------|-------------|------------|----|--------------------|-------|-----------|------------|-----------|-----------|--|
| 20 | ½ | 15 | IR | 753 910 556 | 0.013 | 51 | 23 | 32 | 1,9 | |
| 25 | ¾ | 20 | IR | 753 910 557 | 0.026 | 52 | 23 | 36 | 2,3 | |
| 32 | 1 | 25 | IR | 753 910 558 | 0.028 | 55 | 23 | 46 | 3,0 | |
| 40 | 1 ¼ | 32 | IR | 753 910 559 | 0.043 | 58 | 23 | 55 | 3,7 | |
| 50 | 1 ½ | 40 | IR | 753 910 560 | 0.063 | 60 | 23 | 65 | 4,6 | |
| 63 | 2 | 50 | IR | 753 910 561 | 0.104 | 67 | 26 | 80 | 5,8 | |

53 96 86



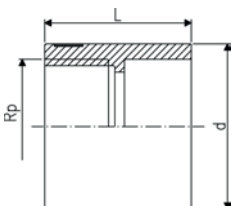
Hose connector PE100 SDR11 metric

Model:

- With butt fusion spigot **SDR11** and parallel hose connection

| d [mm] | d1 [mm] | DN [mm] | FM | Code | kg | L [mm] | L1 [mm] | e [mm] | |
|-----------|------------|------------|----|--------------------|-------|-----------|------------|-----------|--|
| 20 | 20 | 15 | IR | 753 968 606 | 0.007 | 64 | 27 | 1,9 | |
| 25 | 25 | 20 | IR | 753 968 607 | 0.015 | 75 | 36 | 2,3 | |
| 32 | 32 | 25 | IR | 753 968 608 | 0.023 | 82 | 36 | 2,9 | |
| 40 | 40 | 32 | IR | 753 968 609 | 0.034 | 84 | 42 | 3,7 | |
| 50 | 50 | 40 | IR | 753 968 610 | 0.057 | 90 | 48 | 4,6 | |
| 63 | 60 | 50 | IR | 753 968 611 | 0.095 | 100 | 50 | 5,8 | |

73 28 19



PE adaptor Female thread

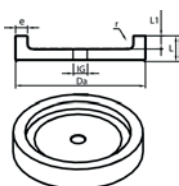
- **PE 80 SDR 11** (ISO S5)
- 5 bar Gas / 12,5 bar Water
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- For ELGEF Plus Branch Saddle (53 131 000) d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- Parallel female thread
- *PE 100 SDR 11 (ISO S5)

| d [mm] | Rp [inch] | Code | kg | L [mm] | |
|-----------|--------------|--------------------|-------|-----------|--|
| 63 | 1 ½ | 173 281 925 | 0.088 | 54 | |
| 63 | ½ | 193 281 617 | 0.060 | 68 | |

End Cap PE100, SDR11 with female thread

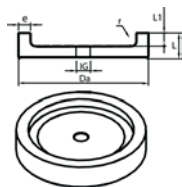
Model:

- Conventional butt fusion according to DVS2207
- Machined
- metric - Rp
- other thread-dimensions and NPT-thread available on request



| d [mm] | Rp [inch] | PN | Code | L [mm] | L1 [mm] | e [mm] | r [mm] | |
|-----------|--------------|----|--------------------|-----------|------------|-----------|-----------|--|
| 63 | ½ | 16 | 700 665 203 | 30 | 15 | 5,8 | 5 | |
| 75 | ½ | 16 | 700 665 204 | 30 | 15 | 6,8 | 5 | |
| 90 | ½ | 16 | 700 665 205 | 30 | 15 | 8,2 | 5 | |
| 110 | ½ | 16 | 700 665 206 | 30 | 15 | 10 | 5 | |
| 125 | ½ | 16 | 700 665 207 | 35 | 15 | 11,4 | 5 | |
| 140 | ½ | 16 | 700 665 208 | 40 | 15 | 12,7 | 5 | |
| 160 | ½ | 16 | 700 665 209 | 40 | 15 | 14,6 | 6 | |
| 180 | ½ | 16 | 700 665 210 | 45 | 15 | 16,4 | 6 | |
| 200 | ½ | 16 | 700 665 211 | 50 | 15 | 18,2 | 6 | |
| 225 | ½ | 16 | 700 665 212 | 50 | 15 | 20,5 | 8 | |
| 250 | ½ | 16 | 700 665 213 | 55 | 15 | 22,7 | 8 | |
| 280 | ½ | 16 | 700 665 214 | 60 | 15 | 25,4 | 8 | |
| 315 | ½ | 16 | 700 665 215 | 65 | 15 | 28,6 | 8 | |
| 355 | ½ | 16 | 700 665 216 | 70 | 15 | 32,2 | 8 | |
| 400 | ½ | 16 | 700 665 217 | 75 | 15 | 36,3 | 10 | |
| 450 | ½ | 16 | 700 665 218 | 80 | 15 | 40,9 | 10 | |

table continued next page



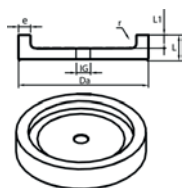
| d [mm] | Rp [inch] | PN | Code | L [mm] | L1 [mm] | e [mm] | r [mm] | |
|-----------|--------------|----|--------------------|-----------|------------|-----------|-----------|--|
| 500 | ½ | 16 | 700 665 219 | 90 | 14 | 45,4 | 10 | |
| 560 | ½ | 16 | 700 665 220 | 100 | 14 | 50,8 | 10 | |
| 630 | ½ | 16 | 700 665 221 | 110 | 15 | 57,2 | 10 | |



End Cap PE100, SDR17.6 with female thread

Model:

- Conventional butt fusion according to DVS2207
- Machined
- metric - Rp
- other thread-dimensions and NPT-thread available on request



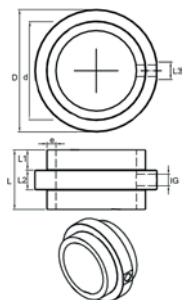
| d [mm] | Rp [inch] | PN | Code | L [mm] | L1 [mm] | e [mm] | r [mm] | |
|-----------|--------------|----|--------------------|-----------|------------|-----------|-----------|--|
| 63 | ½ | 10 | 700 665 279 | 30 | 15 | 3,6 | 5 | |
| 75 | ½ | 10 | 700 665 280 | 30 | 15 | 4,3 | 5 | |
| 90 | ½ | 10 | 700 665 281 | 30 | 15 | 5,1 | 5 | |
| 110 | ½ | 10 | 700 665 282 | 30 | 15 | 6,3 | 5 | |
| 125 | ½ | 10 | 700 665 283 | 30 | 15 | 7,1 | 5 | |
| 140 | ½ | 10 | 700 665 284 | 30 | 15 | 8,0 | 5 | |
| 160 | ½ | 10 | 700 665 285 | 35 | 15 | 9,1 | 6 | |
| 180 | ½ | 10 | 700 665 286 | 40 | 15 | 10,2 | 6 | |
| 200 | ½ | 10 | 700 665 287 | 40 | 15 | 11,4 | 6 | |
| 225 | ½ | 10 | 700 665 288 | 45 | 15 | 12,8 | 8 | |
| 250 | ½ | 10 | 700 665 289 | 45 | 15 | 14,2 | 8 | |
| 280 | ½ | 10 | 700 665 290 | 45 | 15 | 15,9 | 8 | |
| 315 | ½ | 10 | 700 665 291 | 55 | 15 | 17,9 | 8 | |
| 355 | ½ | 10 | 700 665 292 | 55 | 15 | 20,1 | 8 | |
| 400 | ½ | 10 | 700 665 293 | 60 | 15 | 22,7 | 10 | |
| 450 | ½ | 10 | 700 665 294 | 70 | 15 | 26,7 | 10 | |
| 500 | ½ | 10 | 700 665 295 | 75 | 14 | 29,7 | 10 | |
| 560 | ½ | 10 | 700 665 296 | 80 | 14 | 33,2 | 10 | |
| 630 | ½ | 10 | 700 665 297 | 90 | 15 | 37,2 | 10 | |



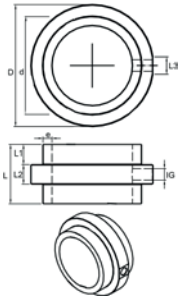
Instrument Installation Fittings PE, SDR11 with female thread

Model:

- Conventional butt fusion according to DVS2207
- Machined
- metric - Rp
- other thread-dimensions and NPT-thread available on request



| d [mm] | Rp [inch] | PN | Code | L [mm] | L1 [mm] | L2 [mm] | D [mm] | e [mm] | |
|-----------|--------------|----|--------------------|-----------|------------|------------|-----------|-----------|--|
| 63 | ½ | 16 | 700 665 425 | 90 | 30 | 30 | 90 | 5,8 | |
| 75 | ½ | 16 | 700 665 426 | 90 | 30 | 30 | 110 | 6,8 | |
| 90 | ½ | 16 | 700 665 427 | 100 | 30 | 40 | 125 | 8,2 | |
| 110 | ½ | 16 | 700 665 428 | 100 | 30 | 40 | 140 | 10 | |
| 125 | ½ | 16 | 700 665 429 | 110 | 35 | 40 | 160 | 11,4 | |
| 140 | ½ | 16 | 700 665 430 | 125 | 40 | 45 | 180 | 12,7 | |
| 160 | ½ | 16 | 700 665 431 | 125 | 40 | 45 | 200 | 14,6 | |
| 180 | ½ | 16 | 700 665 432 | 135 | 45 | 45 | 225 | 16,4 | |
| 200 | ½ | 16 | 700 665 433 | 135 | 45 | 45 | 250 | 18,2 | |
| 225 | ½ | 16 | 700 665 434 | 135 | 45 | 45 | 280 | 20,5 | |
| 250 | ½ | 16 | 700 665 435 | 145 | 50 | 45 | 280 | 22,7 | |
| 280 | ½ | 16 | 700 665 436 | 155 | 50 | 55 | 315 | 25,4 | |
| 315 | ½ | 16 | 700 665 437 | 155 | 50 | 55 | 355 | 28,6 | |
| 355 | ½ | 16 | 700 665 438 | 115 | 30 | 55 | 400 | 32,2 | |
| 400 | ½ | 16 | 700 665 439 | 130 | 30 | 70 | 450 | 36,3 | |



Instrument Installation Fittings PE, SDR17.6 with female thread

Model:

- Conventional butt fusion according to DVS2207
- Machined
- metric - Rp
- other thread-dimensions and NPT-thread available on request

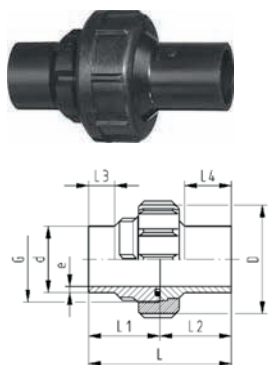
| d [mm] | Rp [inch] | PN | Code | L [mm] | L1 [mm] | L2 [mm] | D [mm] | e [mm] | |
|-----------|--------------|----|--------------------|-----------|------------|------------|-----------|-----------|--|
| 63 | ½ | 10 | 700 665 462 | 90 | 30 | 30 | 90 | 3,6 | |
| 75 | ½ | 10 | 700 665 463 | 90 | 30 | 30 | 110 | 4,3 | |
| 90 | ½ | 10 | 700 665 464 | 100 | 30 | 40 | 125 | 5,1 | |
| 110 | ½ | 10 | 700 665 465 | 100 | 30 | 40 | 140 | 6,3 | |
| 125 | ½ | 10 | 700 665 466 | 110 | 35 | 40 | 160 | 7,1 | |
| 140 | ½ | 10 | 700 665 467 | 125 | 40 | 45 | 180 | 8,0 | |
| 160 | ½ | 10 | 700 665 468 | 125 | 40 | 45 | 200 | 9,1 | |
| 180 | ½ | 10 | 700 665 469 | 135 | 45 | 45 | 225 | 10,2 | |
| 200 | ½ | 10 | 700 665 470 | 135 | 45 | 45 | 250 | 11,4 | |
| 225 | ½ | 10 | 700 665 471 | 135 | 45 | 45 | 280 | 12,8 | |
| 250 | ½ | 10 | 700 665 472 | 145 | 50 | 45 | 280 | 14,2 | |
| 280 | ½ | 10 | 700 665 473 | 155 | 50 | 55 | 315 | 15,9 | |
| 315 | ½ | 10 | 700 665 474 | 155 | 50 | 55 | 355 | 17,9 | |
| 355 | ½ | 10 | 700 665 475 | 115 | 30 | 55 | 400 | 20,1 | |
| 400 | ½ | 10 | 700 665 476 | 130 | 30 | 70 | 450 | 22,7 | |

Unions for butt fusion

Union PE100 S5/SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00
- **For the dimensions d75-110 please see instructions for the installation**



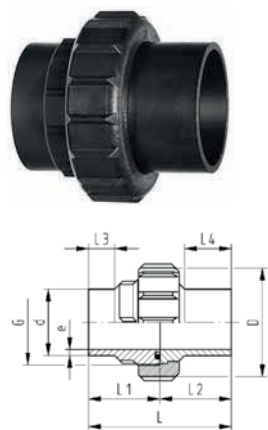
| d [mm] | PN | FM | EPDM Code | FPM Code | kg | |
|-----------|----|----|--------------|-------------|-------|--|
| 20 | 16 | IR | 753 518 606 | 753 528 606 | 0.042 | |
| 25 | 16 | IR | 753 518 607 | 753 528 607 | 0.052 | |
| 32 | 16 | IR | 753 518 608 | 753 528 608 | 0.083 | |
| 40 | 16 | IR | 753 518 609 | 753 528 609 | 0.151 | |
| 50 | 16 | IR | 753 518 610 | 753 528 610 | 0.196 | |
| 63 | 16 | IR | 753 518 611 | 753 528 611 | 0.406 | |
| 75 | 10 | IR | 753 518 612 | 753 528 612 | 0.520 | |
| 90 | 10 | IR | 753 518 613 | 753 528 613 | 0.562 | |
| 110 | 10 | IR | 753 518 614 | 753 528 614 | 0.760 | |

| d [mm] | D [mm] | G [inch] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | L4 [mm] | e [mm] | |
|-----------|-----------|-------------|-----------|------------|------------|------------|------------|-----------|--|
| 20 | 48 | 1 | 107 | 54.0 | 53.0 | 26 | 38 | 1,9 | |
| 25 | 58 | 1 1/4 | 113 | 57.0 | 56.0 | 26 | 42 | 2,3 | |
| 32 | 65 | 1 1/2 | 119 | 60.0 | 59.0 | 25 | 41 | 3,0 | |
| 40 | 79 | 2 | 126 | 63.0 | 63.0 | 25 | 42 | 3,7 | |
| 50 | 91 | 2 1/4 | 131 | 65.5 | 65.5 | 25 | 44 | 4,6 | |
| 63 | 111 | 2 3/4 | 137 | 69.0 | 68.0 | 25 | 45 | 5,8 | |
| 75 | 135 | S107,5x3,6 | 132 | 66.0 | 65.5 | 24 | 34 | 6,8 | |
| 90 | 135 | S107,5x3,6 | 131 | 65.5 | 65.5 | 24 | 45 | 8,2 | |
| 110 | 158 | S127,5x3,6 | 131 | 65.5 | 65.5 | 25 | 40 | 10,0 | |

Union PE100 S8.3/SDR17.6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00
- **For the dimensions d75-110 please see instructions for the installation**



| d [mm] | PN | FM | EPDM Code | FPM Code | kg | |
|-----------|----|----|--------------|-------------|-------|--|
| 75 | 10 | IR | 753 518 412 | 753 528 412 | 0.476 | |
| 90 | 10 | IR | 753 518 413 | 753 528 413 | 0.483 | |
| 110 | 10 | IR | 753 518 414 | 753 528 414 | 0.663 | |

| d [mm] | D [mm] | G [inch] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | |
|-----------|-----------|-------------|-----------|------------|------------|-----------|--|
| 75 | 135 | S107,5x3,6 | 132 | 66.0 | 66.0 | 4,3 | |
| 90 | 135 | S107,5x3,6 | 131 | 65.5 | 65.5 | 5,1 | |
| 110 | 158 | S127,5x3,6 | 131 | 65.5 | 65.5 | 6,3 | |

Instructions for the installation of unions in PP, PE d 75, d 90 and d 110

The newest generation of plastic unions in the above materials and dimensions has been fitted with a state-of-the-art, plastics-oriented buttress thread. You therefore have a product in which the nominal pressure and the safety reserve have been dramatically increased. Also new are the butt fusion versions. In this connection, there are a few points which you must be aware of.

Caution



- ① The threads of the union nut and bush have been reworked for PP, PVDF and PE! When using individual parts, please check prior to installation if the threads of the union bush and the union nut coincide.

Union bush with trapezoid thread on union nut with trapezoid thread
or
Union bush with buttress thread on union nut with buttress thread

Tip

To make installation of the union easier, wet the union nut.

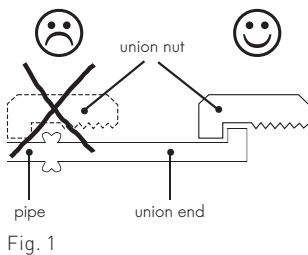


Fig. 1

- ② For the dimensions d90 and d 110 we advise fusing the complete union, if possible (or slide the union nut to the collar of the union end) because after fusion the union nut cannot be slid over the fusion bead. (Fig. 1)
- ③ For design reasons, it is theoretically possible to combine different nominal diameters of union ends and nuts. To make sure combinations are technically correct, you can find the code numbers of the single parts and spare parts for each union in the Tables 1-3.

Caution

Only use union bushes and union ends with the same nominal diameter!

A butt fusion union bush d 75 may not be combined with a butt fusion union end d 90 to form a reducer because this can cause leakage, as illustrated to the left. (Fig. 2)

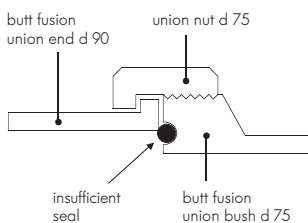


Fig. 2

Markings on the union nuts

SF/MS = socket fusion, BF/ST = butt fusion

| | |
|-------------|---|
| SF/MS 75 | specified for socket fusion d 75 |
| BF/ST 75-90 | specified for butt fusion d 75-75 and d 90-90 |

| | |
|-----------|------------------------------|
| SF/MS 90 | specified socket fusion d 90 |
| BF/ST 110 | specified butt fusion d 110 |

| | |
|-----|-----------------------------------|
| 110 | specified for socket fusion d 110 |
|-----|-----------------------------------|

Tip

We recommend changing materials only for the union end for installation reasons.

Selection tables for single parts and spare parts



Butt fusion

Socket fusion

Table 1

Single parts for **PP-H** unions d 75, d 90 and d 110

| d | BF/ST | SF/MS | SDR | PN | Code union end | Code union bush | Code union nut* |
|-----|-------|-------|------|----|----------------|-----------------|-----------------|
| 75 | | | 11 | 10 | 727 608 512 | 727 648 512 | 727 690 422 |
| | | | 17.6 | 6 | 727 608 412 | 727 648 412 | 727 690 422 |
| | | | — | 10 | 727 600 112 | 727 640 172 | 727 690 422 |
| 90 | | | 11 | 10 | 727 608 513 | 727 648 513 | 727 690 422 |
| | | | 17.6 | 6 | 727 608 413 | 727 648 413 | 727 690 422 |
| | | | — | 10 | 727 600 113 | 727 640 173 | 727 690 423 |
| 110 | | | 11 | 10 | 727 608 514 | 727 648 514 | 727 690 423 |
| | | | 17.6 | 6 | 727 608 414 | 727 648 414 | 727 690 423 |
| | | | — | 10 | 727 600 114 | 727 640 174 | 727 690 424 |

Table 2

Single parts for **PE100** unions d 75, d 90 and d 110

| d | BF/ST | SF/MS | SDR | PN | Code union end | Code union bush | Code union nut* |
|-----|-------|-------|------|----|----------------|-----------------|-----------------|
| 75 | | | 11 | 10 | 753 608 612 | 753 648 612 | 727 690 442 |
| | | | 17.6 | 10 | 753 608 412 | 753 648 412 | 727 690 442 |
| 90 | | | 11 | 10 | 753 608 613 | 753 648 613 | 727 690 442 |
| | | | 17.6 | 10 | 753 608 413 | 753 648 413 | 727 690 442 |
| 110 | | | 11 | 10 | 753 608 614 | 753 648 614 | 727 690 443 |
| | | | 17.6 | 10 | 753 608 414 | 753 648 414 | 727 690 443 |

Table 3

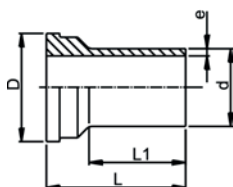
O-Rings for PP-H, PE 100

| d | BF/ST | SF/MS | SDR | PN | Code O-Ring EPDM ¹ | Code O-Ring FPM ¹ |
|-----|-------|-------|-----|----|-------------------------------|------------------------------|
| 75 | | | | 16 | 748 410 013 | 749 410 013 |
| | | | | 16 | 748 410 014 | 749 410 014 |
| 90 | | | | 16 | 748 410 014 | 749 410 014 |
| | | | | 16 | 748 410 015 | 749 410 015 |
| 110 | | | | 16 | 748 410 015 | 749 410 015 |
| | | | | 16 | 748 410 016 | 749 410 016 |

* Union nuts overlap several dimensions

¹ Flange adaptor O-rings, one size smaller in nominal dimensions, are used for the d 75–110 butt-fusion unions

53 60 86



Union Ends, PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared- (IR Plus®) compatible.
- For the dimensions d75-110 please see instructions for the installation

| d [mm] | PN | FM | Code | kg | D [mm] | L [mm] | L1 [mm] | e [mm] | |
|-----------|----|----|--------------------|-------|-----------|-----------|------------|-----------|--|
| 20 | 16 | IR | 753 508 606 | 0.011 | 30 | 54 | 38 | 1,9 | |
| 25 | 16 | IR | 753 508 607 | 0.018 | 39 | 57 | 42 | 2,3 | |
| 32 | 16 | IR | 753 508 608 | 0.027 | 45 | 60 | 41 | 2,9 | |
| 40 | 16 | IR | 753 508 609 | 0.044 | 57 | 63 | 42 | 3,7 | |
| 50 | 16 | IR | 753 508 610 | 0.061 | 63 | 66 | 44 | 4,6 | |
| 63 | 16 | IR | 753 508 611 | 0.100 | 78 | 69 | 45 | 5,8 | |
| 75 | 10 | IR | 753 608 612 | 0.147 | 101 | 66 | 34 | 6,8 | |
| 90 | 10 | IR | 753 608 613 | 0.156 | 101 | 66 | 45 | 8,2 | |
| 110 | 10 | IR | 753 608 614 | 0.226 | 121 | 66 | 40 | 10,0 | |

Union Ends, PE100 SDR17,6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared- (IR Plus®) compatible.
- For the dimensions d75-110 please see instructions for the installation

| d [mm] | PN | FM | Code | kg | D [mm] | L [mm] | L1 [mm] | e [mm] | |
|-----------|----|----|--------------------|-------|-----------|-----------|------------|-----------|--|
| 75 | 10 | IR | 753 608 412 | 0.124 | 101 | 66 | 34 | 4,3 | |
| 90 | 10 | IR | 753 608 413 | 0.131 | 101 | 66 | 45 | 5,1 | |
| 110 | 10 | IR | 753 608 414 | 0.178 | 121 | 66 | 40 | 6,3 | |

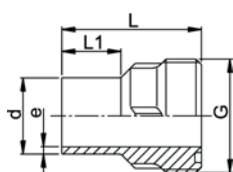
Union Ends long, PE100

Model:

- For butt-, IR Plus® and electrofusion
- Suitable for unions, tank connectors and diaphragm valves Type 514

| d [mm] | PN | FM | Code | kg | D [mm] | L [mm] | L1 [mm] | e [mm] | |
|-----------|----|----|--------------------|-------|-----------|-----------|------------|-----------|--|
| 20 | 16 | IR | 753 508 616 | 0.006 | 30 | 67 | 52 | 1,9 | |
| 25 | 16 | IR | 753 508 617 | 0.019 | 39 | 71 | 53 | 2,3 | |
| 32 | 16 | IR | 753 508 618 | 0.027 | 45 | 73 | 55 | 2,9 | |
| 40 | 16 | IR | 753 508 619 | 0.048 | 57 | 81 | 60 | 3,7 | |
| 50 | 16 | IR | 753 508 620 | 0.069 | 63 | 87 | 66 | 4,6 | |
| 63 | 16 | IR | 753 508 621 | 0.120 | 78 | 93 | 70 | 5,8 | |

53 64 86

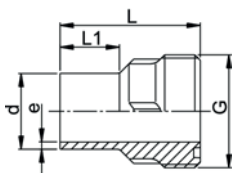


Union Bushes, PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00
- For the dimensions d75-110 please see instructions for the installation

| d [mm] | PN | FM | Code | kg | G [inch] | L [mm] | L1 [mm] | e [mm] | |
|-----------|----|----|--------------------|-------|-------------|------------|------------|-----------|-----|
| 20 | 16 | IR | 753 648 606 | 0.016 | | 1 | 54 | 26 | 1,9 |
| 25 | 16 | IR | 753 648 607 | 0.025 | | 1 1/4 | 57 | 26 | 2,3 |
| 32 | 16 | IR | 753 648 608 | 0.035 | | 1 1/2 | 60 | 25 | 2,9 |
| 40 | 16 | IR | 753 648 609 | 0.057 | | 2 | 63 | 25 | 3,7 |
| 50 | 16 | IR | 753 648 610 | 0.077 | | 2 1/4 | 66 | 25 | 4,6 |
| 63 | 16 | IR | 753 648 611 | 0.128 | | 2 3/4 | 69 | 25 | 5,8 |
| 75 | 10 | IR | 753 648 612 | 0.181 | | S107,5x3,6 | 66 | 24 | 6,8 |
| 90 | 10 | IR | 753 648 613 | 0.192 | | S107,5x3,6 | 66 | 24 | 8,2 |
| 110 | 10 | IR | 753 648 614 | 0.272 | | S127,5x3,6 | 66 | 25 | 10 |



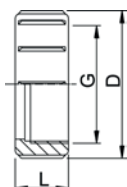
Union Bushes, PE100 SDR17,6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared- (IR Plus®) compatible.
- For the dimensions d75-110 please see instructions for the installation

| d [mm] | PN | FM | Code | kg | G [inch] | L [mm] | L1 [mm] | e [mm] |
|-----------|----|----|--------------------|-------|-------------|-----------|------------|-----------|
| 75 | 10 | IR | 753 648 412 | 0.158 | S107.5x3.6 | 66 | 24 | 4,3 |
| 90 | 10 | IR | 753 648 413 | 0.161 | S107.5x3.6 | 66 | 24 | 5,1 |
| 110 | 10 | IR | 753 648 414 | 0.216 | S127.5x3.6 | 66 | 25 | 6,3 |

33 69 04



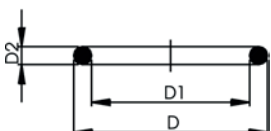
Union Nuts, PE-GF

Model:

- PE glass-fibre reinforced
- For the dimensions d75-110 please see instructions for the installation
- * PP glass fibre reinforced

| d-d [mm] | Code | kg | G [inch] | D [mm] | L [mm] |
|-------------|--------------------|-------|-------------|-----------|-----------|
| 20 - | 733 690 406 | 0.022 | 1 | 48 | 24 |
| 25 - | 733 690 407 | 0.036 | 1 1/4 | 58 | 26 |
| 32 - | 733 690 408 | 0.042 | 1 1/2 | 65 | 28 |
| 40 - | 733 690 409 | 0.068 | 2 | 79 | 31 |
| 50 - | 733 690 410 | 0.097 | 2 1/4 | 91 | 35 |
| 63 - | 733 690 411 | 0.164 | 2 3/4 | 111 | 39 |
| * 75 - 90 | 727 690 442 | 0.202 | S107,5x3,6 | 135 | 40 |
| * 90 - 110 | 727 690 443 | 0.277 | S127,5x3,6 | 158 | 43 |

EPDM 48 41 00
FPM 49 41 00



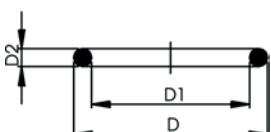
O-Ring Gaskets

Model:

- For unions and adaptor unions
- Hardness approx. 65° Shore
- EPDM minimum temperature -40°C
- FPM minimum temperature -15°C

* for unions PVC-U, PVC-C and ABS: 21 51 01, 21 51 11, 21 53 03, 21 53 08, 21 55 04, 21 55 13, 21 55 18, 23 51 01 and 29 51 01 only

| d [mm] | DN [mm] | EPDM Code | FPM Code | kg | D [mm] | D1 [mm] | D2 [mm] |
|-----------|------------|--------------------|--------------------|-------|-----------|------------|------------|
| 20 | 15 | 748 410 006 | 749 410 006 | 0.001 | 27 | 20 | 3.53 |
| 25 | 20 | 748 410 007 | 749 410 007 | 0.002 | 35 | 28 | 3.53 |
| 32 | 25 | 748 410 008 | 749 410 008 | 0.002 | 40 | 33 | 3.53 |
| 40 | 32 | 748 410 009 | 749 410 009 | 0.007 | 51 | 41 | 5.34 |
| 50 | 40 | 748 410 010 | 749 410 010 | 0.060 | 58 | 47 | 5.34 |
| 63 | 50 | 748 410 011 | 749 410 011 | 0.003 | 70 | 60 | 5.34 |



O-Ring Gasket, FPM black

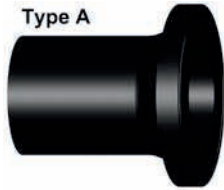
Model:

- for unions PP-H, PE100 and PVDF butt fusion
- d75 748 410 013 (EPDM), 749 410 013 (FPM)
- d90 748 410 014 (EPDM), 749 410 014 (FPM)
- d110 748 410 015 (EPDM), 749 410 015 (FPM)

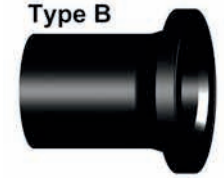
| EPDM Code | FPM Code | kg | D [mm] | D1 [mm] | D2 [mm] |
|--------------------|--------------------|-------|-----------|------------|------------|
| 748 410 013 | 749 410 013 | 0.011 | 80 | | |
| 748 410 014 | 749 410 014 | 0.012 | 93 | | |
| 748 410 015 | 749 410 015 | 0.015 | 112 | | |

Flange Adaptors, Flanges and Gaskets for Butt Fusion

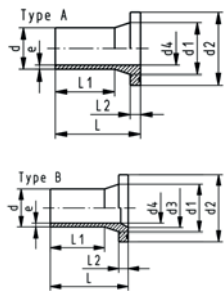
538000



Type A



Type B



Flange adaptor PE100 S5/SDR11

Combined jointing face: flat and serrated

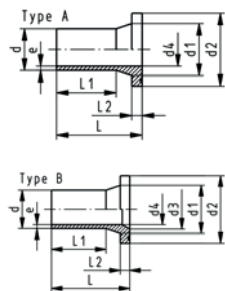
Model:

- Long spigot
- For butt-, IR Plus® and electrofusion
- Suitable for flange connections to metric (**from d110 also to ANSI/ASME B16.5**)
- Up to d315, suitable for butterfly valve type 567/568
Above use PE100 Adaptor for butterfly valves SDR11 (d355-d800)
- Up to d280, suitable for butterfly valve type 037/038/039
Above use PE100 Adaptor for butterfly valves SDR11 (d315-d800)
- Gasket d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03
- 10 bar Gas / 16 bar Water
- Type A without chamfer, Type B with chamfer

| d [mm] | DN [mm] | FM | Code | kg |
|-----------|------------|----|-------------|--------|
| 20 | 15 | IR | 753 800 006 | 0.022 |
| 25 | 20 | IR | 753 800 007 | 0.037 |
| 32 | 25 | IR | 753 800 008 | 0.059 |
| 40 | 32 | IR | 753 800 009 | 0.081 |
| 50 | 40 | IR | 753 800 010 | 0.129 |
| 63 | 50 | IR | 753 800 011 | 0.187 |
| 75 | 65 | IR | 753 800 012 | 0.314 |
| 90 | 80 | IR | 753 800 013 | 0.471 |
| 110 | 100 | IR | 753 800 014 | 0.706 |
| 125 | 100 | IR | 753 800 015 | 0.883 |
| 140 | 125 | IR | 753 800 016 | 1.348 |
| 160 | 150 | IR | 753 800 017 | 1.718 |
| 180 | 150 | IR | 753 800 018 | 2.035 |
| 200 | 200 | IR | 753 800 019 | 2.899 |
| 225 | 200 | IR | 753 800 020 | 3.208 |
| 250 | 250 | -- | 753 800 021 | 4.878 |
| 280 | 250 | -- | 753 800 022 | 4.925 |
| 315 | 300 | -- | 753 800 023 | 7.135 |
| 355 | 350 | -- | 753 800 024 | 10.400 |
| 400 | 400 | -- | 753 800 025 | 14.600 |
| 450 | 500 | -- | 753 800 026 | 24.800 |
| 500 | 500 | -- | 753 800 027 | 27.400 |
| 560 | 600 | -- | 753 800 028 | 40.000 |
| 630 | 600 | -- | 753 800 029 | 42.300 |
| 710 | 700 | -- | 753 800 030 | 56.379 |
| 800 | 800 | -- | 753 800 033 | 72.636 |

| d [mm] | DN [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | PF | Type |
|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|--------------|------|
| 20 | 15 | 27 | 45 | | 16 | 85 | 41 | 7 | 1.9 | 2 51 301 001 | A |
| 25 | 20 | 33 | 58 | | 20 | 85 | 41 | 9 | 2.3 | 2 51 301 001 | A |
| 32 | 25 | 40 | 68 | | 26 | 85 | 44 | 10 | 3.0 | 2 51 301 001 | A |
| 40 | 32 | 50 | 78 | | 32 | 85 | 49 | 11 | 3.7 | 2 51 301 001 | A |
| 50 | 40 | 61 | 88 | | 40 | 105 | 55 | 12 | 4.6 | 2 51 301 001 | A |
| 63 | 50 | 75 | 102 | | 51 | 98 | 69 | 14 | 5.8 | 2 51 301 001 | A |
| 75 | 65 | 89 | 122 | 66 | 61 | 125 | 89 | 16 | 6.8 | 2 51 301 001 | B |
| 90 | 80 | 105 | 138 | 78 | 73 | 140 | 103 | 17 | 8.2 | 2 51 301 001 | B |
| 110 | 100 | 125 | 158 | 100 | 90 | 160 | 114 | 18 | 10.0 | 2 51 301 001 | B |
| 125 | 100 | 132 | 158 | 114 | 102 | 170 | 125 | 25 | 11.4 | 2 51 301 001 | B |
| 140 | 125 | 155 | 188 | 127 | 114 | 200 | 147 | 25 | 12.7 | 2 51 301 001 | B |
| 160 | 150 | 175 | 212 | 151 | 130 | 200 | 147 | 25 | 14.6 | 2 51 301 001 | B |
| 180 | 150 | 180 | 212 | 158 | 147 | 200 | 170 | 30 | 16.4 | 2 51 301 001 | B |
| 200 | 200 | 232 | 268 | 203 | 163 | 200 | 128 | 32 | 18.2 | 2 51 301 001 | B |
| 225 | 200 | 235 | 268 | 210 | 184 | 200 | 138 | 32 | 20.5 | 2 51 301 001 | B |
| 250 | 250 | 285 | 320 | 245 | 204 | 219 | 138 | 35 | 22.7 | 2 51 301 002 | B |
| 280 | 250 | 291 | 320 | 265 | 229 | 231 | 144 | 35 | 25.4 | 2 51 301 002 | B |

table continued next page



| d [mm] | DN [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | PF | Type |
|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|--------------|------|
| 315 | 300 | 335 | 370 | 300 | 257 | 239 | 158 | 35 | 28.6 | 2 51 301 002 | B |
| 355 | 350 | 373 | 430 | 340 | 290 | 260 | 176 | 40 | 32.3 | 2 51 301 008 | B |
| 400 | 400 | 427 | 482 | 385 | 327 | 290 | 186 | 46 | 36.3 | 2 51 301 008 | B |
| 450 | 500 | 514 | 585 | 400 | 368 | 333 | 195 | 60 | 40.9 | 2 51 301 008 | B |
| 500 | 500 | 530 | 585 | 440 | 409 | 350 | 212 | 60 | 45.5 | 2 51 301 008 | B |
| 560 | 600 | 615 | 685 | 490 | 458 | 365 | 230 | 60 | 50.9 | 2 51 301 008 | B |
| 630 | 600 | 642 | 685 | 545 | 515 | 385 | 250 | 60 | 57.3 | 2 51 301 008 | B |
| 710 | 700 | 737 | 800 | | 581 | 400 | 280 | 60 | 64.5 | 2 51 301 008 | A |
| 800 | 800 | 840 | 905 | | 652 | 400 | 280 | 65 | 74.0 | 2 51 301 008 | A |

53 80 00

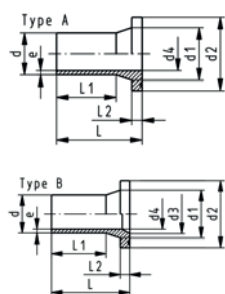
Flange adaptor LS PE100 SDR11 Combined jointing face: flat and serrated

Model:

- For butt-, IR Plus® and electrofusion
- Suitable for flange connections to **ANSI/ASME B 16.5**
- Suitable for butterfly valve type 567/568 and 037/038/039
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 10 bar Gas / 16 bar Water

* Type B with chamfer

| d [mm] | DN [mm] | FM | Code | kg | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|-----------|------------|----|--------------------|-------|------------|------------|------------|------------|-----------|------------|------------|-----------|
| 25 | 20 | IR | 753 800 057 | 0.031 | 33 | 54 | | 20 | 85 | 41 | 9 | 2.3 |
| 32 | 25 | IR | 753 800 058 | 0.046 | 40 | 63 | | 26 | 85 | 44 | 10 | 3.0 |
| 40 | 32 | IR | 753 800 059 | 0.070 | 50 | 73 | | 32 | 85 | 49 | 11 | 3.7 |
| 50 | 40 | IR | 753 800 060 | 0.098 | 61 | 82 | | 40 | 105 | 55 | 12 | 4.6 |
| * 90 | 80 | IR | 753 800 063 | 0.423 | 105 | 133 | | 73 | 140 | 85 | 17 | 8.2 |



538000
538001

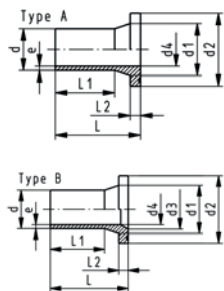
Flange adaptor PE100 SDR17/17.6 Combined jointing face: flat and serrated

Model:

- Long spigot
- For butt-, IR Plus® and electrofusion
- Suitable for flange connections to metric (**from d110 also to ANSI/ASME B16.5**)
- Up to d315, suitable for butterfly valve type 567/568
Above use PE100 Adaptor for butterfly valves SDR17/17.6 (d355-d1200)
- Up to d280, suitable for butterfly valve type 037/038/039
Above use PE100 Adaptor for butterfly valves SDR17/17.6 (d315-d1200)
- Gasket d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03
- 5 bar Gas / 10 bar Water
- Type A without chamfer, Type B with chamfer

| d [mm] | DN [mm] | FM | Code | kg |
|-----------|------------|----|--------------------|-------|
| 50 | 40 | IR | 753 800 085 | 0.107 |
| 63 | 50 | IR | 753 800 086 | 0.168 |
| 75 | 65 | IR | 753 800 087 | 0.260 |
| 90 | 80 | IR | 753 800 088 | 0.367 |
| 110 | 100 | IR | 753 800 089 | 0.571 |
| 125 | 100 | IR | 753 800 090 | 0.684 |
| 140 | 125 | IR | 753 800 091 | 1.035 |
| 160 | 150 | IR | 753 800 092 | 1.342 |
| 180 | 150 | IR | 753 800 093 | 1.469 |
| 200 | 200 | IR | 753 800 094 | 2.297 |

table continued next page



| d [mm] | DN [mm] | FM | Code | kg | |
|-----------|------------|----|--------------------|--------|--|
| 225 | 200 | IR | 753 800 095 | 2.456 | |
| 250 | 250 | -- | 753 800 096 | 3.500 | |
| 280 | 250 | -- | 753 800 097 | 3.714 | |
| 315 | 300 | -- | 753 800 098 | 5.470 | |
| 355 | 350 | -- | 753 800 099 | 16.200 | |
| 400 | 400 | -- | 753 800 100 | 10.300 | |
| 450 | 500 | -- | 753 800 101 | 15.800 | |
| 500 | 500 | -- | 753 800 102 | 19.995 | |
| 560 | 600 | -- | 753 800 103 | 27.500 | |
| 630 | 600 | -- | 753 800 104 | 30.000 | |
| 710 | 700 | -- | 753 800 105 | 39.376 | |
| 800 | 800 | -- | 753 800 106 | 50.759 | |
| 900 | 900 | -- | 753 800 107 | 64.202 | |
| 1000 | 1000 | -- | 753 800 108 | 79.495 | |

| d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | PF | Type | |
|-----------|------------|------------|------------|------------|-----------|------------|------------|-----------|--------------|------|--|
| 50 | 61 | 88 | | 44 | 104 | 55 | 12 | 3.0 | 2 51 301 001 | A | |
| 63 | 75 | 102 | | 55 | 120 | 65 | 14 | 3.8 | 2 51 301 001 | A | |
| 75 | 89 | 122 | | 66 | 130 | 75 | 16 | 4.5 | 2 51 301 001 | A | |
| 90 | 105 | 138 | | 79 | 140 | 103 | 17 | 5.4 | 2 51 301 001 | A | |
| 110 | 125 | 158 | | 96 | 160 | 117 | 18 | 6.6 | 2 51 301 001 | A | |
| 125 | 132 | 158 | 114 | 110 | 170 | 125 | 25 | 7.4 | 2 51 301 001 | B | |
| 140 | 155 | 188 | 127 | 123 | 200 | 147 | 25 | 8.3 | 2 51 301 001 | B | |
| 160 | 175 | 212 | 158 | 141 | 200 | 147 | 25 | 9.5 | 2 51 301 001 | B | |
| 180 | 180 | 212 | | 158 | 200 | 170 | 30 | 10.7 | 2 51 301 001 | A | |
| 200 | 232 | 268 | 203 | 176 | 200 | 128 | 32 | 11.9 | 2 51 301 001 | B | |
| 225 | 235 | 268 | 210 | 198 | 200 | 138 | 32 | 13.4 | 2 51 301 001 | B | |
| 250 | 285 | 320 | 245 | 220 | 220 | 148 | 25 | 14.8 | 2 51 301 002 | B | |
| 280 | 291 | 320 | 265 | 246 | 230 | 154 | 25 | 16.6 | 2 51 301 002 | B | |
| 315 | 335 | 370 | 300 | 277 | 242 | 166 | 36 | 18.7 | 2 51 301 002 | B | |
| 355 | 373 | 430 | 340 | 312 | 261 | 179 | 30 | 21.1 | 2 51 301 008 | B | |
| 400 | 427 | 483 | 385 | 352 | 290 | 196 | 33 | 23.7 | 2 51 301 008 | B | |
| 450 | 514 | 585 | | 396 | 333 | 195 | 60 | 26.7 | 2 51 301 008 | A | |
| 500 | 530 | 585 | | 440 | 350 | 212 | 60 | 29.7 | 2 51 301 008 | A | |
| 560 | 615 | 685 | | 493 | 365 | 230 | 60 | 33.2 | 2 51 301 008 | A | |
| 630 | 642 | 685 | | 555 | 385 | 250 | 60 | 37.4 | 2 51 301 008 | A | |
| 710 | 737 | 800 | | 626 | 400 | 280 | 50 | 42.1 | 2 51 301 008 | A | |
| 800 | 840 | 905 | | 705 | 400 | 280 | 52 | 47.4 | 2 51 301 008 | A | |
| 900 | 944 | 1005 | | 793 | 400 | 260 | 55 | 53.3 | 2 51 301 008 | A | |
| 1000 | 1047 | 1110 | | 881 | 400 | 260 | 60 | 59.3 | 2 51 301 008 | A | |

537987



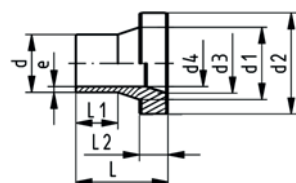
Adaptor for butterfly valves PE100 SDR11 Jointing face flat metric

Model:

- Conventional butt-welding according to DVS 2207 part 11
- Suitable for butterfly valves type 567/568 and 037/038/039

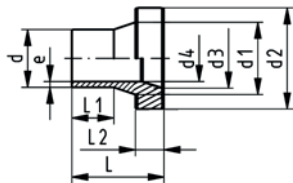
Note:

* available starting Q1 2013



| d [mm] | DN [mm] | Code | kg | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | |
|-----------|------------|--------------------|--------|------------|------------|------------|------------|-----------|------------|------------|-----------|--|
| * 315 | 300 | 753 798 723 | | | | | | | | | | |
| 355 | 350 | 753 798 724 | 7.805 | 373 | 430 | 346 | 312 | 180 | 90 | 65 | 32.2 | |
| 400 | 400 | 753 798 725 | 10.057 | 427 | 482 | 404 | 352 | 196 | 95 | 90 | 36.3 | |
| 450 | 450 | 753 798 726 | 13.448 | 467 | 533 | 460 | 396 | 195 | 60 | 70 | 40.9 | |
| 500 | 500 | 753 798 727 | 15.001 | 530 | 585 | 500 | 440 | 144 | 60 | 90 | 45.4 | |
| 560 | 600 | 753 798 728 | 29.270 | 615 | 685 | 610 | 493 | 227 | 60 | 147 | 50.8 | |
| 630 | 600 | 753 798 729 | 23.042 | 642 | 685 | 610 | 555 | 149 | 60 | 132 | 57.2 | |
| 710 | 700 | 753 798 730 | 33.765 | 737 | 800 | 701 | 625 | 175 | 20 | 155 | 64.5 | |
| 800 | 800 | 753 798 731 | 41.787 | 840 | 905 | 785 | 705 | 142 | 18 | 140 | 72.6 | |

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Adaptor for butterfly valves PE100 SDR17/17.6

Jointing face flat metric

Model:

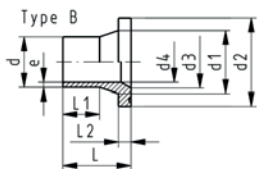
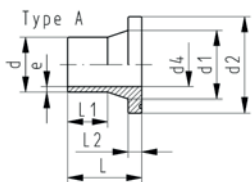
- Conventional butt-welding according to DVS 2207 part 1
- Suitable for butterfly valves type 567/568 and 037/038/039

Note:

* available starting Q1 2013

| d [mm] | DN [mm] | Code | kg | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|-----------|------------|--------------------|---------|------------|------------|------------|------------|-----------|------------|------------|-----------|
| * 315 | 300 | 753 798 748 | | | | | | | | | - |
| 355 | 350 | 753 798 749 | 6.479 | 373 | 430 | 346 | 312 | 180 | 90 | 65 | 21.1 |
| 400 | 400 | 753 798 750 | 8.426 | 427 | 482 | 404 | 352 | 196 | 95 | 69 | 23.7 |
| 450 | 450 | 753 798 751 | 9.570 | 467 | 533 | 460 | 396 | 195 | 60 | 90 | 26.7 |
| 500 | 500 | 753 798 752 | 8.263 | 530 | 585 | 500 | 440 | 144 | 60 | 90 | 29.7 |
| 560 | 600 | 753 798 753 | 17.307 | 615 | 685 | 610 | 493 | 227 | 60 | 92 | 33.2 |
| 630 | 600 | 753 798 754 | 12.122 | 642 | 685 | 610 | 555 | 149 | 60 | 71 | 37.4 |
| 710 | 700 | 753 798 755 | 21.505 | 737 | 800 | 701 | 625 | 175 | 20 | 105 | 42.1 |
| 800 | 800 | 753 798 756 | 21.841 | 840 | 905 | 785 | 705 | 142 | 18 | 74 | 47.4 |
| 900 | 900 | 753 798 757 | 34.187 | 947 | 1005 | 890 | 793 | 189 | 15 | 104 | 53.3 |
| 1000 | 1000 | 753 798 758 | 43.733 | 1047 | 1110 | 994 | 881 | 204 | 10 | 124 | 59.3 |
| 1200 | 1200 | 753 798 759 | 106.295 | 1256 | 1330 | 1860 | 1057 | 377 | 160 | 126 | 71.2 |

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Flange adaptor PE100 SDR11

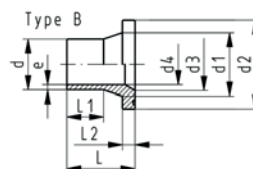
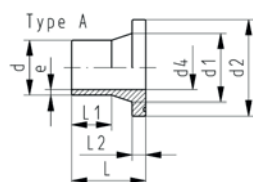
Jointing face combination serrated/flat metric

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Up to d315, suitable for butterfly valve type 567/568
Above use PE100 Adaptor for butterfly valves SDR11 (d355-d800)
- Up to d280, suitable for butterfly valve type 037/038/039
Above use PE100 Adaptor for butterfly valves SDR11 (d315-d800)
- Gasket d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03

| d [mm] | DN [mm] | Code | kg | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | Type |
|-----------|------------|--------------------|--------|------------|------------|------------|------------|-----------|------------|------------|-----------|------|
| 250 | 250 | 753 798 826 | 3.087 | 285 | 320 | 245 | 204 | 121 | 54 | 35 | 22,7 | B |
| 280 | 250 | 753 798 827 | 3.760 | 291 | 320 | 265 | 229 | 119 | 69 | 35 | 25,4 | B |
| 315 | 300 | 753 798 828 | 4.385 | 335 | 370 | 300 | 257 | 166 | 88 | 35 | 28,6 | B |
| 355 | 350 | 753 798 829 | 1.795 | 373 | 430 | 340 | 290 | 187 | 98 | 40 | 32,2 | B |
| 400 | 400 | 753 798 830 | 8.760 | 427 | 482 | 385 | 327 | 196 | 106 | 45 | 36,3 | B |
| 450 | 500 | 753 798 831 | 14.680 | 514 | 585 | 400 | 368 | 139 | 61 | 60 | 40.9 | B |
| 500 | 500 | 753 798 832 | 13.630 | 530 | 585 | 440 | 409 | 138 | 62 | 60 | 45.4 | B |
| 560 | 600 | 753 798 833 | 19.380 | 615 | 684 | 490 | 458 | 135 | 20 | 60 | 50,8 | B |
| 630 | 600 | 753 798 834 | 16.500 | 642 | 684 | 545 | 516 | 135 | 40 | 60 | 57,2 | B |
| 710 | 700 | 753 798 835 | 21.586 | 737 | 800 | | 581 | 120 | 20 | 60 | 64,5 | B |
| 800 | 800 | 753 798 836 | 28.505 | 840 | 905 | | 655 | 120 | 18 | 65 | 72,6 | B |

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Flange adaptor PE100 S8.3/SDR17.6

Jointing face combination serrated/flat metric

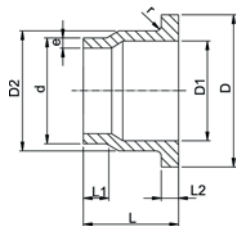
Model:

- Conventional butt-welding according to DVS 2207 part 1
- Up to d315, suitable for butterfly valve type 567/568
Above use PE100 Adaptor for butterfly valves SDR17/17.6 (d355-d1200)
- Up to d280, suitable for butterfly valve type 037/038/039
Above use PE100 Adaptor for butterfly valves SDR17/17.6 (d315-d1200)
- Gasket d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03

| d [mm] | DN [mm] | Code | kg |
|-----------|------------|--------------------|--------|
| 250 | 250 | 753 798 851 | 2.272 |
| 280 | 250 | 753 798 852 | 2.154 |
| 315 | 300 | 753 798 853 | 3.819 |
| 355 | 350 | 753 798 854 | 4.155 |
| 400 | 400 | 753 798 855 | 7.810 |
| 450 | 500 | 753 798 856 | 10.914 |
| 500 | 500 | 753 798 857 | 9.865 |
| 560 | 600 | 753 798 858 | 14.875 |
| 630 | 600 | 753 798 859 | 12.515 |
| 710 | 700 | 753 798 860 | 15.878 |
| 800 | 800 | 753 798 861 | 20.948 |
| 900 | 900 | 753 798 862 | 29.183 |
| 1000 | 1000 | 753 798 863 | 36.209 |

| d [mm] | DN [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | Type |
|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|------|
| 250 | 250 | 285 | 320 | 245 | 220 | 121 | 61 | 25 | 14,8 | B |
| 280 | 250 | 291 | 320 | 265 | 246 | 119 | 69 | 25 | 16,6 | B |
| 315 | 300 | 335 | 370 | 300 | 277 | 164 | 86 | 25 | 18,7 | B |
| 355 | 350 | 373 | 430 | 340 | 312 | 180 | 100 | 30 | 21,1 | B |
| 400 | 400 | 427 | 482 | 385 | 352 | 197 | 110 | 33 | 23,7 | B |
| 450 | 500 | 514 | 585 | | 396 | 141 | 64 | 46 | 26,7 | B |
| 500 | 500 | 530 | 585 | | 440 | 141 | 67 | 46 | 29,7 | B |
| 560 | 600 | 615 | 685 | | 493 | 142 | 60 | 50 | 33,2 | B |
| 630 | 600 | 642 | 685 | | 555 | 144 | 71 | 50 | 37,4 | B |
| 710 | 700 | 737 | 800 | | 626 | 120 | 20 | 50 | 42,1 | A |
| 800 | 800 | 840 | 905 | | 705 | 120 | 18 | 52 | 47,4 | A |
| 900 | 900 | 944 | 1005 | | 793 | 140 | 15 | 55 | 53,3 | A |
| 1000 | 1000 | 1047 | 1110 | | 881 | 140 | 10 | 60 | 59,3 | A |

33 80 80



Outlet flange adaptor PE80 SDR11

Model:

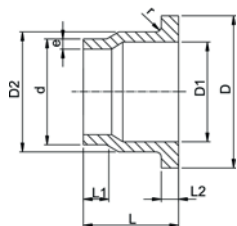
- Conventional butt-welding according to DVS 2207 part 1
- Suitable for wafer check valves Type 369

Attention:

- In conjunction with outlet flange adaptors, **flange rings for socket systems** must be used.

| d [mm] | DN [mm] | Code | kg | D [mm] | D1 [mm] | D2 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | r [mm] | |
|-----------|------------|-------------|-------|-----------|------------|------------|-----------|------------|------------|-----------|-----------|--|
| 40 | 32 | 733 808 034 | 0.073 | 80 | 37 | 50 | 64 | 30 | 11 | 3,7 | 3 | |
| 50 | 40 | 733 808 035 | 0.104 | 90 | 43 | 61 | 67 | 30 | 12 | 4,6 | 3 | |
| 63 | 50 | 733 808 036 | 0.172 | 105 | 54 | 76 | 74 | 30 | 14 | 5,8 | 4 | |
| 75 | 65 | 733 808 037 | 0.242 | 125 | 70 | 90 | 78 | 30 | 16 | 6,8 | 4 | |
| 90 | 80 | 733 808 038 | 0.348 | 140 | 82 | 108 | 87 | 35 | 17 | 8,2 | 4 | |
| 110 | 100 | 733 808 039 | 0.508 | 160 | 105 | 131 | 102 | 41 | 18 | 10,0 | 4 | |
| 140 | 125 | 733 808 041 | 0.976 | 190 | 130 | 165 | 124 | 47 | 25 | 12,7 | 4 | |
| 160 | 150 | 733 808 042 | 1.337 | 215 | 158 | 188 | 149 | 52 | 25 | 14,6 | 4 | |
| 225 | 200 | 733 808 045 | 2.814 | 270 | 206 | 248 | 180 | 55 | 32 | 20,5 | 4 | |
| 280 | 250 | 733 808 047 | 3.550 | 325 | 259 | 308 | 240 | 63 | 35 | 25,4 | 4 | |
| 315 | 300 | 733 808 048 | 4.960 | 375 | 308 | 346 | 272 | 66 | 35 | 28,6 | 4 | |

33 80 80



Outlet flange adaptor PE80 SDR17.6

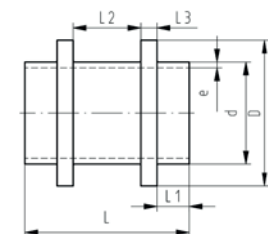
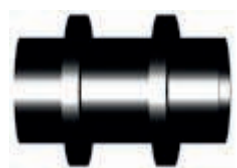
Model:

- Conventional butt-welding according to DVS 2207 part 11
- Suitable for wafer check valves Type 369

Attention:

- In conjunction with outlet flange adaptors, **flange rings for socket systems** must be used.

| d [mm] | DN [mm] | Code | kg | D [mm] | D1 [mm] | D2 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | r [mm] | |
|-----------|------------|-------------|-------|-----------|------------|------------|-----------|------------|------------|-----------|-----------|--|
| 40 | 32 | 733 808 009 | 0.060 | 80 | 37 | 50 | 64 | 30 | 11 | 2,3 | 3 | |
| 50 | 40 | 733 808 010 | 0.067 | 90 | 43 | 61 | 67 | 30 | 12 | 2,9 | 3 | |
| 63 | 50 | 733 808 011 | 0.159 | 105 | 54 | 76 | 74 | 30 | 14 | 3,6 | 4 | |
| 75 | 65 | 733 808 012 | 0.219 | 125 | 70 | 90 | 78 | 30 | 16 | 4,3 | 4 | |
| 90 | 80 | 733 808 013 | 0.314 | 140 | 82 | 108 | 87 | 35 | 17 | 5,1 | 4 | |
| 110 | 100 | 733 808 014 | 0.465 | 160 | 105 | 131 | 102 | 41 | 18 | 6,3 | 4 | |
| 140 | 125 | 733 808 016 | 0.862 | 190 | 130 | 165 | 124 | 47 | 18 | 8,0 | 4 | |
| 160 | 150 | 733 808 017 | 1.176 | 215 | 158 | 188 | 149 | 52 | 18 | 9,1 | 4 | |
| 225 | 200 | 733 808 020 | 2.484 | 270 | 206 | 248 | 180 | 55 | 24 | 12,8 | 4 | |
| 280 | 250 | 733 808 022 | 2.230 | 325 | 259 | 308 | 240 | 63 | 25 | 15,9 | 4 | |
| 315 | 300 | 733 808 023 | 2.450 | 375 | 308 | 346 | 272 | 66 | 25 | 17,9 | 4 | |



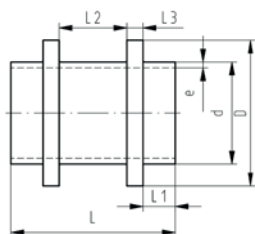
Fixed point fitting PE100 S5/SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- Machined

| d [mm] | FM | Code | kg | D [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | |
|-----------|----|-------------|-------|-----------|-----------|------------|------------|------------|-----------|--|
| 63 | IR | 753 665 558 | 0.182 | 90 | 122 | 30 | 42 | 10 | 5.8 | |
| 75 | IR | 753 665 559 | 0.265 | 110 | 122 | 30 | 42 | 10 | 6.8 | |
| 90 | IR | 753 665 560 | 0.357 | 125 | 122 | 30 | 42 | 10 | 8.2 | |
| 110 | IR | 753 665 561 | 0.592 | 140 | 142 | 30 | 52 | 15 | 10.0 | |
| 125 | IR | 753 665 562 | 0.811 | 160 | 152 | 35 | 52 | 15 | 11.4 | |
| 140 | IR | 753 665 563 | 1.068 | 180 | 162 | 40 | 52 | 15 | 12.7 | |
| 160 | IR | 753 665 564 | 1.349 | 200 | 162 | 40 | 52 | 15 | 14.6 | |
| 180 | IR | 753 665 565 | 2.001 | 225 | 182 | 45 | 52 | 20 | 16.4 | |
| 200 | IR | 753 665 566 | 2.469 | 250 | 182 | 45 | 52 | 20 | 18.2 | |
| 225 | IR | 753 665 567 | 3.438 | 280 | 192 | 45 | 52 | 25 | 20.5 | |
| 250 | -- | 753 665 568 | 3.858 | 280 | 212 | 50 | 62 | 25 | 22.7 | |
| 280 | -- | 753 665 569 | 5.217 | 315 | 222 | 50 | 62 | 30 | 25.4 | |
| 315 | -- | 753 665 570 | 6.627 | 355 | 222 | 50 | 62 | 30 | 28.6 | |
| 355 | -- | 753 665 571 | 7.731 | 400 | 192 | 30 | 62 | 35 | 32.2 | |

table continued next page



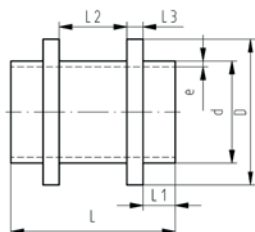
| d [mm] | FM | Code | kg | D [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | |
|-----------|----|--------------------|--------|-----------|-----------|------------|------------|------------|-----------|--|
| 400 | -- | 753 665 572 | 10.890 | 450 | 212 | 30 | 72 | 40 | 36.3 | |
| 450 | -- | 753 665 573 | 14.775 | 500 | 232 | 35 | 72 | 45 | 40.9 | |
| 500 | -- | 753 665 574 | 20.268 | 560 | 252 | 40 | 72 | 50 | 45.4 | |
| 560 | -- | 753 665 575 | 28.608 | 630 | 282 | 45 | 82 | 55 | 50.8 | |
| 630 | -- | 753 665 576 | 39.129 | 710 | 302 | 50 | 82 | 60 | 57.2 | |



Fixed point fitting PE100 SDR17/17.6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- Machined



| d [mm] | FM | Code | kg | D [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | |
|-----------|----|--------------------|--------|-----------|-----------|------------|------------|------------|-----------|--|
| 63 | IR | 753 665 577 | 0.144 | 90 | 122 | 30 | 42 | 10 | 3.8 | |
| 75 | IR | 753 665 578 | 0.212 | 110 | 122 | 30 | 42 | 10 | 4.5 | |
| 90 | IR | 753 665 579 | 0.279 | 125 | 122 | 30 | 42 | 10 | 5.4 | |
| 110 | IR | 753 665 580 | 0.457 | 140 | 142 | 30 | 52 | 15 | 6.6 | |
| 125 | IR | 753 665 581 | 0.618 | 160 | 152 | 35 | 52 | 15 | 7.4 | |
| 140 | IR | 753 665 582 | 0.815 | 180 | 162 | 40 | 52 | 15 | 8.3 | |
| 160 | IR | 753 665 583 | 1.014 | 200 | 162 | 40 | 52 | 15 | 9.5 | |
| 180 | IR | 753 665 584 | 1.528 | 225 | 182 | 45 | 52 | 20 | 10.7 | |
| 200 | IR | 753 665 585 | 1.887 | 250 | 182 | 45 | 52 | 20 | 11.9 | |
| 225 | IR | 753 665 586 | 2.661 | 280 | 192 | 45 | 52 | 25 | 13.4 | |
| 250 | -- | 753 665 587 | 2.796 | 280 | 212 | 50 | 62 | 25 | 14.8 | |
| 280 | -- | 753 665 588 | 3.829 | 315 | 222 | 50 | 62 | 30 | 16.6 | |
| 315 | -- | 753 665 589 | 4.871 | 355 | 222 | 50 | 62 | 30 | 18.7 | |
| 355 | -- | 753 665 590 | 5.812 | 400 | 192 | 30 | 62 | 35 | 21.1 | |
| 400 | -- | 753 665 591 | 8.180 | 450 | 212 | 30 | 72 | 40 | 23.7 | |
| 450 | -- | 753 665 592 | 11.015 | 500 | 232 | 35 | 72 | 45 | 26.7 | |
| 500 | -- | 753 665 593 | 15.251 | 560 | 252 | 40 | 72 | 50 | 29.7 | |
| 560 | -- | 753 665 594 | 0.000 | 630 | 282 | 45 | 82 | 55 | 33.2 | |
| 630 | -- | 753 665 595 | 29.574 | 710 | 302 | 50 | 82 | 60 | 37.4 | |

27 70 04
27 70 05



Backing flange PP-V For butt fusion systems metric

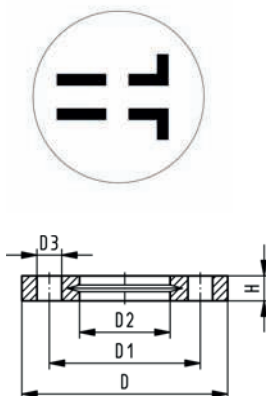
Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt retainers as an assembly aid
- UV-resistant. Applicable for outside applications
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

* Combined version, metric-ANSI

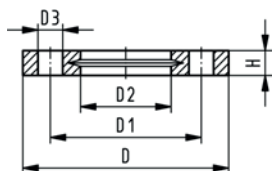
AL: number of holes

1) Suitable for socket- and butt fusion systems (no pictograph on flange)



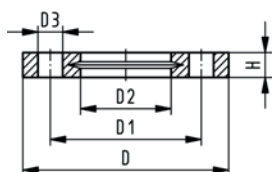
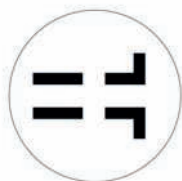
| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|----|-----|--|
| 1) 20 | 15 | 16 | 727 700 406 | 0.093 | 95 | 65.0 | 28 | 14 | 16 | 4 | M12 | |
| 1) 25 | 20 | 16 | 727 700 407 | 0.120 | 105 | 75.0 | 34 | 14 | 17 | 4 | M12 | |
| 1) 32 | 25 | 16 | 727 700 408 | 0.151 | 115 | 85.0 | 42 | 14 | 18 | 4 | M12 | |
| 1) 40 | 32 | 16 | 727 700 409 | 0.244 | 140 | 100.0 | 51 | 18 | 20 | 4 | M16 | |
| 1) 50 | 40 | 16 | 727 700 410 | 0.297 | 150 | 110.0 | 62 | 18 | 22 | 4 | M16 | |
| 1) 63 | 50 | 16 | 727 700 411 | 0.362 | 165 | 125.0 | 78 | 18 | 24 | 4 | M16 | |
| 1) 75 | 65 | 16 | 727 700 412 | 0.487 | 185 | 145.0 | 92 | 18 | 26 | 4 | M16 | |
| 90 | 80 | 16 | 727 700 513 | 0.544 | 200 | 160.0 | 108 | 18 | 27 | 8 | M16 | |
| 110 | 100 | 16 | 727 700 514 | 0.643 | 220 | 180.0 | 128 | 18 | 28 | 8 | M16 | |
| 125 | 100 | 16 | 727 700 515 | 0.635 | 220 | 180.0 | 135 | 18 | 28 | 8 | M16 | |
| 140 | 125 | 16 | 727 700 516 | 0.842 | 250 | 210.0 | 158 | 18 | 30 | 8 | M16 | |
| 180 | 150 | 16 | 727 700 518 | 1.200 | 285 | 240.0 | 188 | 22 | 32 | 8 | M20 | |
| 250 | 250 | 16 | 727 700 521 | 2.052 | 395 | 350.0 | 288 | 22 | 38 | 12 | M20 | |
| 280 | 250 | 16 | 727 700 522 | 1.700 | 395 | 350.0 | 294 | 22 | 38 | 12 | M20 | |

table continued next page



| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|----|-----|--|
| 315 | 300 | 16 | 727 700 523 | 2.400 | 445 | 400.0 | 338 | 22 | 42 | 12 | M20 | |
| 355 | 350 | 10 | 727 700 524 | 4.440 | 515 | 460.0 | 376 | 22 | 46 | 16 | M20 | |
| 400 | 400 | 10 | 727 700 525 | 5.624 | 574 | 515.0 | 430 | 26 | 50 | 16 | M24 | |

27 70 14
27 70 15



Backing flange PP-V For butt fusion systems Inch ANSI

Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt-fixing as an assembly aid
- UV-resistant. Applicable for outside applications
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**

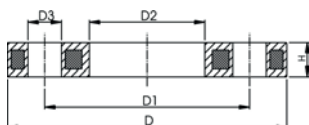
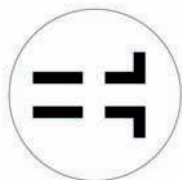
¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)

AL: number of holes

* Combined version, metric-ANSI

| Inch | DN [mm] | d [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-------|------------|-----------|----|--------------------|-------|-----------|------------|------------|------------|-----------|----|-----|--|
| 1 1/2 | 15 | 20 | 16 | 727 701 406 | 0.091 | 95 | 60.0 | 28 | 16 | 16 | 4 | M12 | |
| 1 3/4 | 20 | 25 | 16 | 727 701 407 | 0.120 | 105 | 70.0 | 34 | 16 | 17 | 4 | M12 | |
| 1 | 25 | 32 | 16 | 727 701 408 | 0.147 | 115 | 79.0 | 42 | 16 | 18 | 4 | M12 | |
| 1 1/4 | 32 | 40 | 16 | 727 701 409 | 0.246 | 140 | 89.0 | 51 | 16 | 20 | 4 | M16 | |
| 1 1/2 | 40 | 50 | 16 | 727 701 410 | 0.299 | 150 | 98.0 | 62 | 16 | 22 | 4 | M16 | |
| 2 | 50 | 63 | 16 | 727 701 411 | 0.361 | 165 | 121.0 | 78 | 19 | 24 | 4 | M16 | |
| 2 1/2 | 65 | 75 | 16 | 727 701 412 | 0.492 | 185 | 140.0 | 92 | 19 | 26 | 4 | M16 | |
| 3 | 80 | 90 | 16 | 727 701 513 | 0.607 | 200 | 152.0 | 108 | 19 | 27 | 4 | M16 | |
| 4 | 100 | 110 | 16 | 727 701 514 | 0.736 | 229 | 190.0 | 128 | 19 | 28 | 8 | M16 | |
| 10 | 250 | 250 | 16 | 727 701 521 | 2.241 | 406 | 362.0 | 288 | 26 | 38 | 12 | M20 | |
| 10 | 250 | 280 | 16 | 727 701 522 | 2.173 | 406 | 362.0 | 294 | 26 | 38 | 12 | M20 | |
| 12 | 300 | 315 | 16 | 727 701 523 | 3.627 | 483 | 432.0 | 338 | 26 | 42 | 12 | M20 | |

27 70 02
27 70 03



Backing flange PP-Steel For butt fusion systems metric

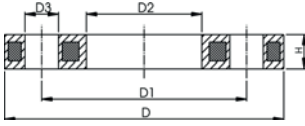
Model:

- Material: PP (30 % glass-fibre reinforced) with steel ring
- UV-resistant. Applicable for outside applications
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

AL: number of holes

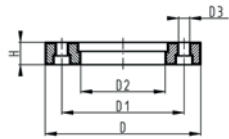
| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|-------|-----------|------------|------------|------------|-----------|----|-----|--|
| 20 | 15 | 16 | 727 700 206 | 0.216 | 95 | 65 | 28 | 14 | 12 | 4 | M12 | |
| 25 | 20 | 16 | 727 700 207 | 0.279 | 105 | 75 | 34 | 14 | 12 | 4 | M12 | |
| 32 | 25 | 16 | 727 700 208 | 0.429 | 115 | 85 | 42 | 14 | 16 | 4 | M12 | |
| 40 | 32 | 16 | 727 700 209 | 0.621 | 140 | 100 | 51 | 18 | 16 | 4 | M16 | |
| 50 | 40 | 16 | 727 700 210 | 0.722 | 150 | 110 | 62 | 18 | 20 | 4 | M16 | |
| 63 | 50 | 16 | 727 700 211 | 1.084 | 165 | 125 | 78 | 18 | 20 | 4 | M16 | |
| 75 | 65 | 16 | 727 700 212 | 1.349 | 185 | 145 | 92 | 18 | 20 | 4 | M16 | |
| 90 | 80 | 16 | 727 700 313 | 1.390 | 200 | 160 | 108 | 18 | 20 | 8 | M16 | |
| 110 | 100 | 16 | 727 700 314 | 1.407 | 220 | 180 | 128 | 18 | 20 | 8 | M16 | |
| 125 | 100 | 16 | 727 700 315 | 1.408 | 220 | 180 | 135 | 18 | 20 | 8 | M16 | |
| 140 | 125 | 16 | 727 700 316 | 2.318 | 250 | 210 | 158 | 18 | 24 | 8 | M16 | |
| 180 | 150 | 16 | 727 700 318 | 3.108 | 285 | 240 | 188 | 22 | 24 | 8 | M20 | |
| 200 | 200 | 16 | 727 700 319 | 5.600 | 340 | 295 | 235 | 22 | 27 | 8 | M20 | |
| 225 | 200 | 16 | 727 700 320 | 5.533 | 340 | 295 | 238 | 22 | 27 | 8 | M20 | |
| 250 | 250 | 16 | 727 700 321 | 6.632 | 395 | 350 | 288 | 22 | 30 | 12 | M20 | |
| 280 | 250 | 16 | 727 700 322 | 6.573 | 395 | 350 | 294 | 22 | 30 | 12 | M20 | |

table continued next page



| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|------------|-----------|----|-----|--|
| 315 | 300 | 16 | 727 700 323 | 7.903 | 445 | 400 | 338 | 22 | 34 | 12 | M20 | |
| 355 | 350 | 16 | 727 700 324 | 14.587 | 515 | 460 | 376 | 22 | 40 | 16 | M20 | |
| 400 | 400 | 16 | 727 700 325 | 20.034 | 574 | 515 | 430 | 26 | 40 | 16 | M24 | |

24 70 04



Profiled backing flange PP/Steel For butt fusion systems metric

Model:

- PP with glass-fibre reinforcement and GGG 50 insert
- UV-resistant. Applicable for outside applications
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 10**

Note:

flat side = bolt side

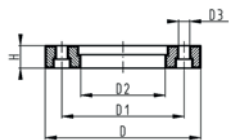
profiled side = flange adaptor side

AL: number of holes

* Galvanized steel, suitable for underground laying

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|------------|-----------|----|-----|--|
| 450 | 500 | 10 | 724 700 426 | 25.600 | 685 | 620 | 517 | 26 | 54 | 20 | M24 | |
| 500 | 500 | 10 | 724 700 427 | 21.061 | 685 | 620 | 533 | 26 | 54 | 20 | M24 | |
| 560 | 600 | 10 | 724 700 428 | 35.000 | 796 | 725 | 618 | 30 | 64 | 20 | M27 | |
| 630 | 600 | 10 | 724 700 429 | 32.500 | 800 | 725 | 645 | 30 | 58 | 20 | M27 | |
| 710 | 700 | 6 | 724 700 430 | 28.600 | 912 | 840 | 740 | 30 | 49 | 24 | M27 | |
| 800 | 800 | 6 | 724 700 431 | 39.300 | 1026 | 950 | 843 | 33 | 58 | 24 | M30 | |
| 900 | 900 | 6 | 724 700 432 | 48.500 | 1129 | 1050 | 947 | 33 | 62 | 28 | M30 | |

24 70 03



Profiled backing flange PP-Steel For butt fusion systems metric

Model:

- PP with glass-fibre reinforcement and GGG 50 insert
- UV-resistant. Applicable for outside applications
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 16**

Note:

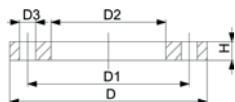
flat side = bolt side

profiled side = flange adaptor side

AL: number of holes

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|------------|-----------|----|-----|--|
| 200 | 200 | 16 | 724 700 319 | 3.549 | 344 | 295 | 235 | 22 | 28 | 12 | M20 | |
| 225 | 200 | 16 | 724 700 320 | 3.380 | 344 | 295 | 238 | 22 | 28 | 12 | M20 | |
| 250 | 250 | 16 | 724 700 321 | 6.390 | 410 | 355 | 288 | 26 | 33 | 12 | M24 | |
| 280 | 250 | 16 | 724 700 322 | 6.310 | 410 | 355 | 294 | 26 | 33 | 12 | M24 | |
| 315 | 300 | 16 | 724 700 323 | 9.740 | 455 | 410 | 338 | 26 | 40 | 12 | M24 | |
| 355 | 350 | 16 | 724 700 324 | 15.203 | 521 | 470 | 376 | 26 | 50 | 16 | M24 | |
| 400 | 400 | 16 | 724 700 325 | 20.600 | 582 | 525 | 430 | 30 | 54 | 16 | M27 | |

01 48 04



Backing flange steel For butt fusion systems metric

Model:

- Galvanized steel, suitable for underground laying
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 16**

AL: number of holes

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|------------|-----------|----|-----|--|
| 32 | 25 | 16 | 701 474 390 | 0.830 | 115 | 85 | 42 | 14 | 12 | 4 | M12 | |
| 40 | 32 | 16 | 701 474 391 | 1.430 | 140 | 100 | 51 | 18 | 14 | 4 | M16 | |
| 50 | 40 | 16 | 701 474 392 | 1.530 | 150 | 110 | 62 | 18 | 14 | 4 | M16 | |
| 63 | 50 | 16 | 701 474 393 | 1.840 | 165 | 125 | 78 | 18 | 16 | 4 | M16 | |
| 75 | 65 | 16 | 701 474 394 | 2.150 | 185 | 145 | 92 | 18 | 16 | 8 | M16 | |
| 90 | 80 | 16 | 701 474 395 | 2.830 | 200 | 160 | 108 | 18 | 18 | 8 | M16 | |
| 110 | 100 | 16 | 701 474 396 | 3.300 | 220 | 180 | 128 | 18 | 18 | 8 | M16 | |
| 125 | 100 | 16 | 701 474 397 | 3.170 | 220 | 180 | 135 | 18 | 18 | 8 | M16 | |
| 125 | 125 | 16 | 701 474 386 | 3.500 | 250 | 210 | 135 | 18 | 25 | 8 | M16 | |
| 140 | 125 | 16 | 701 474 387 | 4.100 | 250 | 210 | 158 | 18 | 18 | 8 | M16 | |
| 160 | 150 | 16 | 701 474 382 | 5.440 | 285 | 240 | 178 | 22 | 20 | 8 | M20 | |
| 180 | 150 | 16 | 701 474 398 | 5.180 | 285 | 240 | 188 | 22 | 20 | 8 | M20 | |
| 200 | 200 | 16 | 701 480 475 | 8.000 | 340 | 295 | 235 | 22 | 24 | 12 | M20 | |
| 225 | 200 | 16 | 701 480 476 | 7.810 | 340 | 295 | 238 | 22 | 24 | 12 | M20 | |
| 250 | 250 | 16 | 701 480 477 | 8.120 | 405 | 355 | 288 | 26 | 30 | 12 | M24 | |
| 280 | 250 | 16 | 701 480 478 | 8.320 | 405 | 355 | 294 | 26 | 30 | 12 | M24 | |
| 315 | 300 | 16 | 701 480 479 | 9.850 | 460 | 410 | 338 | 26 | 34 | 12 | M24 | |
| 355 | 350 | 16 | 701 480 480 | 10.500 | 520 | 470 | 376 | 26 | 35 | 16 | M24 | |
| 400 | 400 | 16 | 701 480 481 | 24.400 | 580 | 525 | 430 | 30 | 38 | 16 | M27 | |
| 450 | 500 | 16 | 701 480 482 | 37.000 | 715 | 650 | 517 | 33 | 46 | 20 | M30 | |
| 500 | 500 | 16 | 701 480 483 | 32.000 | 715 | 650 | 533 | 33 | 46 | 20 | M30 | |

01 47 43



Backing flange steel For butt fusion systems metric

Model:

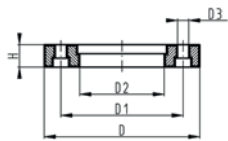
- Galvanized steel, suitable for underground laying
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 10**

AL: number of holes

* Profiled version

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|------------|-----------|----|-----|--|
| 200 | 200 | 10 | 701 474 383 | 6.630 | 340 | 295 | 235 | 22 | 20 | 8 | M20 | |
| 225 | 200 | 10 | 701 474 388 | 6.580 | 340 | 295 | 238 | 22 | 20 | 8 | M20 | |
| 250 | 250 | 10 | 701 474 399 | 9.090 | 395 | 350 | 288 | 22 | 22 | 12 | M20 | |
| 280 | 250 | 10 | 701 474 400 | 8.700 | 395 | 350 | 294 | 22 | 22 | 12 | M20 | |
| 315 | 300 | 10 | 701 474 401 | 12.500 | 445 | 400 | 338 | 22 | 26 | 12 | M20 | |
| 355 | 350 | 10 | 701 480 489 | 18.300 | 505 | 460 | 376 | 22 | 28 | 16 | M20 | |
| 400 | 400 | 10 | 701 480 490 | 24.400 | 565 | 515 | 430 | 26 | 32 | 16 | M24 | |
| 450 | 500 | 10 | 701 480 491 | 37.000 | 670 | 620 | 517 | 26 | 38 | 20 | M24 | |
| 500 | 500 | 10 | 701 480 492 | 32.000 | 670 | 620 | 533 | 26 | 38 | 20 | M24 | |
| 560 | 600 | 10 | 701 480 493 | 56.300 | 780 | 725 | 618 | 30 | 42 | 20 | M27 | |
| 630 | 600 | 10 | 701 480 494 | 47.200 | 780 | 725 | 645 | 30 | 42 | 20 | M27 | |

24 70 51



Profiled backing flange steel For butt fusion systems metric

Model:

- Ductile iron (GGG40), epoxy coated (black)
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 10**

Note:

flat side = bolt side

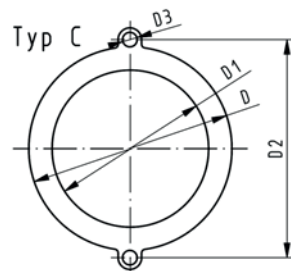
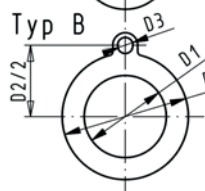
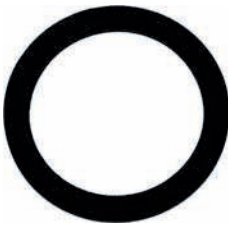
profiled side = flange adaptor side

AL: number of holes

* Galvanized steel, suitable for underground laying

| d [mm] | DN [mm] | PN | Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | AL | SC | |
|-----------|------------|----|--------------------|---------|-----------|------------|------------|------------|-----------|----|-----|--|
| * 450 | 450 | 10 | 724 705 026 | 22.600 | 615 | 565 | 470 | 26 | 44 | 20 | M24 | |
| 710 | 700 | 6 | 724 705 130 | 36.400 | 900 | 840 | 740 | 30 | 45 | 24 | M27 | |
| 800 | 800 | 6 | 724 705 131 | 50.500 | 1015 | 950 | 843 | 33 | 53 | 24 | M30 | |
| 900 | 900 | 6 | 724 705 132 | 55.800 | 1115 | 1050 | 947 | 33 | 56 | 28 | M30 | |
| 1000 | 1000 | 6 | 724 705 133 | 71.100 | 1230 | 1160 | 1050 | 36 | 62 | 28 | M33 | |
| 1200 | 1200 | 4 | 724 705 134 | 101.000 | 1455 | 1380 | 1260 | 39 | 68 | 32 | M36 | |

EPDM 48 40 03



Flat gasket

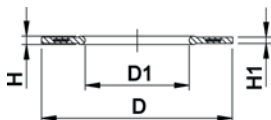
Model:

- For all metric GF Flange Adaptors
- Hardness approx. 65° Shore
- Integrated fixation aids from d110
- Centering on the inner diameter of the screw crown

di FA are the suitable inner diameters of flange adaptors

| d [mm] | DN [mm] | PN | Type | EPDM Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | di FA [mm] | |
|-----------|------------|----|------|--------------------|-------|-----------|------------|------------|------------|-----------|---------------|--|
| 16 | 10 | 10 | A | 748 400 305 | 0.004 | 46 | 16 | | | 2 | 6 - 26 | |
| 20 | 15 | 10 | A | 748 400 306 | 0.012 | 51 | 20 | | | 2 | 10 - 30 | |
| 25 | 20 | 10 | A | 748 400 307 | 0.004 | 61 | 25 | | | 2 | 15 - 35 | |
| 32 | 25 | 10 | A | 748 400 308 | 0.008 | 71 | 32 | | | 2 | 22 - 42 | |
| 40 | 32 | 10 | A | 748 400 309 | 0.013 | 82 | 40 | | | 3 | 30 - 50 | |
| 50 | 40 | 10 | A | 748 400 310 | 0.016 | 92 | 50 | | | 3 | 40 - 60 | |
| 63 | 50 | 10 | A | 748 400 311 | 0.018 | 107 | 63 | | | 3 | 53 - 73 | |
| 75 | 65 | 10 | A | 748 400 312 | 0.029 | 127 | 71 | | | 3 | 61 - 81 | |
| 90 | 80 | 10 | A | 748 400 313 | 0.035 | 142 | 84 | | | 3 | 74 - 94 | |
| 110 | 100 | 10 | B | 748 400 314 | 0.051 | 162 | 104 | 180 | 18 | 4 | 94 - 114 | |
| 125 | 100 | 10 | B | 748 400 315 | 0.044 | 162 | 119 | 180 | 18 | 4 | 109 - 129 | |
| 140 | 125 | 10 | B | 748 400 316 | 0.068 | 192 | 134 | 210 | 18 | 4 | 124 - 144 | |
| 160 / 180 | 150 | 10 | B | 748 400 317 | 0.090 | 218 | 155 | 241 | 22 | 4 | 145 - 165 | |
| 200 | 200 | 6 | C | 748 400 319 | 0.210 | 273 | 195 | 295 | 22 | 5 | 185 - 205 | |
| 225 | 200 | 6 | C | 748 400 320 | 0.140 | 273 | 216 | 295 | 22 | 5 | 206 - 226 | |
| 250 | 250 | 6 | C | 748 400 321 | 0.210 | 328 | 250 | 350 | 22 | 5 | 240 - 260 | |
| 280 | 250 | 6 | C | 748 400 322 | 0.151 | 328 | 273 | 350 | 22 | 5 | 263 - 283 | |
| 315 | 300 | 6 | C | 748 400 323 | 0.237 | 378 | 305 | 400 | 22 | 5 | 295 - 315 | |

EPDM 48 44 07
FPM 49 44 07



Profile flange gasket metric

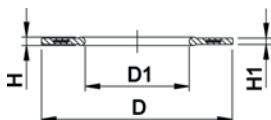
Model:

- For all metric GF Flange Adaptors
- Profile Gasket with steel insert (type G-ST-P/K)
- Hardness: 70° Shore **EPDM**, 75° Shore **FPM**
- **EPDM**: approved acc. to DVGW W 270, KTW recommendation
- Centering on the inner diameter of the screw crown
- material steel insert: carbon steel

di FA are the suitable inner diameters of flange adaptors

| d [mm] | DN [mm] | PN | EPDM Code | FPM Code | kg | D [mm] | D1 [mm] | H [mm] | H1 [mm] | di FA [mm] |
|-----------|------------|----|--------------------|--------------------|-------|-----------|------------|-----------|------------|---------------|
| 16 | 10 | 16 | 748 440 705 | 749 440 705 | 0.012 | 46 | 16 | 4 | 3 | 6 - 16 |
| 20 | 15 | 16 | 748 440 706 | 749 440 706 | 0.013 | 51 | 20 | 4 | 3 | 10 - 20 |
| 25 | 20 | 16 | 748 440 707 | 749 440 707 | 0.014 | 61 | 22 | 4 | 3 | 12 - 22 |
| 32 | 25 | 16 | 748 440 708 | 749 440 708 | 0.019 | 71 | 28 | 4 | 3 | 18 - 28 |
| 40 | 32 | 16 | 748 440 709 | 749 440 709 | 0.026 | 82 | 40 | 4 | 3 | 30 - 40 |
| 50 | 40 | 16 | 748 440 710 | 749 440 710 | 0.039 | 92 | 46 | 4 | 3 | 36 - 46 |
| 63 | 50 | 16 | 748 440 711 | 749 440 711 | 0.050 | 107 | 58 | 5 | 4 | 48 - 58 |
| 75 | 65 | 16 | 748 440 712 | 749 440 712 | 0.082 | 127 | 69 | 5 | 4 | 59 - 69 |
| 90 | 80 | 16 | 748 440 713 | 749 440 713 | 0.083 | 142 | 84 | 5 | 4 | 73 - 84 |
| 110 | 100 | 16 | 748 440 714 | 749 440 714 | 0.127 | 162 | 104 | 6 | 5 | 94 - 104 |
| 125 | 100 | 16 | 748 440 715 | 749 440 715 | 0.105 | 162 | 123 | 6 | 5 | 113 - 123 |
| 140 | 125 | 16 | 748 440 716 | 749 440 716 | 0.173 | 192 | 137 | 6 | 5 | 127 - 137 |
| 160 / 180 | 150 | 16 | 748 440 717 | 749 440 717 | 0.207 | 218 | 160 | 8 | 6 | 150 - 160 |
| 200 | 200 | 16 | 748 440 719 | 749 440 719 | 0.263 | 273 | 203 | 8 | 6 | 192 - 203 |
| 225 | 200 | 16 | 748 440 720 | 749 440 720 | 0.255 | 273 | 220 | 8 | 6 | 207 - 220 |
| 250 | 250 | 16 | 748 440 721 | 749 440 721 | 0.482 | 328 | 252 | 8 | 6 | 238 - 252 |
| 280 | 250 | 16 | 748 440 722 | 749 440 722 | 0.323 | 328 | 274 | 8 | 6 | 264 - 274 |
| 315 | 300 | 16 | 748 440 723 | 749 440 723 | 0.549 | 378 | 306 | 8 | 6 | 296 - 306 |
| 355 | 350 | 16 | 748 440 724 | 749 440 724 | 0.870 | 438 | 355 | 10 | 7 | 340 - 355 |
| 400 | 400 | 16 | 748 440 725 | 749 440 725 | 1.088 | 489 | 400 | 10 | 7 | 385 - 400 |
| 450 | 500 | 16 | 748 440 726 | 749 440 726 | 0.718 | 594 | 403 | 10 | 7 | 393 - 403 |
| 500 | 500 | 16 | 748 440 727 | 749 440 727 | 0.718 | 594 | 447 | 10 | 7 | 437 - 447 |
| 560 | 600 | 16 | 748 440 728 | 749 440 728 | 0.923 | 695 | 494 | 10 | 7 | 484 - 494 |
| 630 | 600 | 16 | 748 440 729 | 749 440 729 | 0.923 | 695 | 555 | 10 | 7 | 545 - 555 |

45 44 07



Profile flange gasket metric

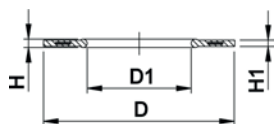
Model:

- For all metric GF Flange Adaptors
- Profile Gasket with steel insert (type G-ST-P/K)
- material steel insert: carbon steel
- NBR/DUO = Nitrile rubber, hardness approx. 80° Shore
- Suitable for drinking water and gas applications
- Approved acc. to DVGW standard DIN EN 682
- Approved acc. to DVGW W 270, KTW recommendation
- d corresponds to the centring at the inner diameter of the screw crown

di FA are the suitable inner diameters of flange adaptors

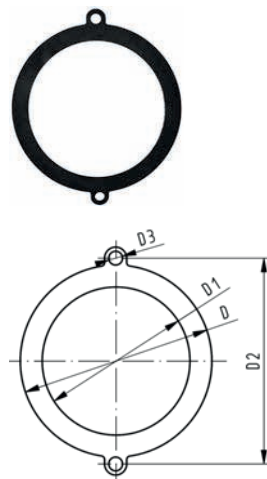
| d [mm] | DN [mm] | PN | NBR/DUO Code | kg | D [mm] | D1 [mm] | H [mm] | H1 [mm] | di FA [mm] |
|-----------|------------|----|--------------------|-------|-----------|------------|-----------|------------|---------------|
| 20 | 15 | 16 | 745 440 706 | 0.009 | 51 | 20 | 4 | 3 | 10 - 20 |
| 25 | 20 | 16 | 745 440 707 | 0.012 | 61 | 22 | 4 | 3 | 12 - 22 |
| 32 | 25 | 16 | 745 440 708 | 0.018 | 71 | 28 | 4 | 3 | 18 - 28 |
| 40 | 32 | 16 | 745 440 709 | 0.021 | 82 | 40 | 4 | 3 | 30 - 40 |
| 50 | 40 | 16 | 745 440 710 | 0.029 | 92 | 46 | 4 | 3 | 36 - 46 |
| 63 | 50 | 16 | 745 440 711 | 0.039 | 107 | 58 | 5 | 4 | 48 - 58 |
| 75 | 65 | 16 | 745 440 712 | 0.058 | 127 | 69 | 5 | 4 | 59 - 69 |
| 90 | 80 | 16 | 745 440 713 | 0.061 | 142 | 84 | 5 | 4 | 73 - 84 |
| 110 | 100 | 16 | 745 440 714 | 0.096 | 162 | 104 | 6 | 5 | 94 - 104 |
| 125 | 100 | 16 | 745 440 715 | 0.073 | 162 | 123 | 6 | 5 | 113 - 123 |
| 140 | 125 | 16 | 745 440 716 | 0.127 | 192 | 137 | 6 | 5 | 127 - 137 |
| 160 / 180 | 150 | 16 | 745 440 717 | 0.145 | 218 | 160 | 8 | 6 | 150 - 160 |
| 200 | 200 | 16 | 745 440 719 | 0.295 | 273 | 203 | 8 | 6 | 192 - 203 |
| 225 | 200 | 16 | 745 440 720 | 0.183 | 273 | 220 | 8 | 6 | 207 - 220 |
| 250 | 250 | 16 | 745 440 721 | 0.355 | 328 | 252 | 8 | 6 | 238 - 252 |

table continued next page



| d [mm] | DN [mm] | PN | NBR/DUO Code | kg | D [mm] | D1 [mm] | H [mm] | H1 [mm] | di FA [mm] | |
|-----------|------------|----|--------------------|-------|-----------|------------|-----------|------------|---------------|--|
| 280 | 250 | 16 | 745 440 722 | 0.229 | 328 | 274 | 8 | 6 | 264 - 274 | |
| 315 | 300 | 16 | 745 440 723 | 0.419 | 378 | 306 | 8 | 6 | 296 - 306 | |
| 355 | 350 | 16 | 745 440 724 | 0.645 | 438 | 355 | 10 | 7 | 340 - 355 | |
| 400 | 400 | 16 | 745 440 725 | 0.819 | 489 | 400 | 10 | 7 | 385 - 400 | |
| 450 | 500 | 16 | 745 440 726 | 1.885 | 594 | 403 | 10 | 7 | 393 - 403 | |
| 500 | 500 | 16 | 745 440 727 | 1.618 | 594 | 447 | 10 | 7 | 437 - 447 | |
| 560 | 600 | 16 | 745 440 728 | 2.281 | 695 | 494 | 10 | 7 | 484 - 494 | |
| 630 | 600 | 16 | 745 440 729 | 2.000 | 695 | 555 | 10 | 7 | 545 - 555 | |

48 40 03



Flat gasket for flange adaptor

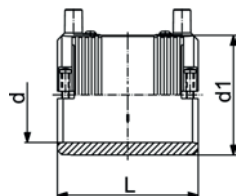
Model:

- Hardness : EPDM ca. 70° Shore
- Flange bolt circle: PN10
- Integrated fixation aids
- Centering on the inner diameter of the screw crown

| d [mm] | DN [mm] | PN* [bar] | EPDM Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | H [mm] | |
|-----------|------------|--------------|--------------------|-------|-----------|------------|------------|------------|-----------|--|
| 710 | 700 | 6 | 748 400 330 | 0.900 | 810 | 625 | 840 | 30 | 5 | |
| 800 | 800 | 6 | 748 400 331 | 1.000 | 917 | 705 | 950 | 33 | 5 | |
| 900 | 900 | 6 | 748 400 332 | 1.200 | 1014 | 805 | 1050 | 36 | 5 | |
| 1000 | 1000 | 6 | 748 400 333 | 1.400 | 1121 | 890 | 1160 | 39 | 5 | |

Electrofusion Fittings

53 91 16

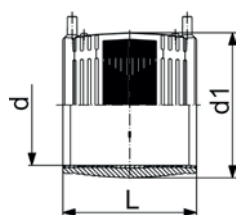


Coupler With integral pipe fixation

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop

| d [mm] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------------|-------|------------|-----------|--|
| 20 | 753 911 606 | 0.053 | 31 | 70 | |
| 25 | 753 911 607 | 0.050 | 36 | 70 | |
| 32 | 753 911 608 | 0.071 | 44 | 72 | |
| 40 | 753 911 609 | 0.095 | 54 | 80 | |
| 50 | 753 911 610 | 0.131 | 66 | 88 | |
| 63 | 753 911 611 | 0.194 | 81 | 96 | |

53 91 16

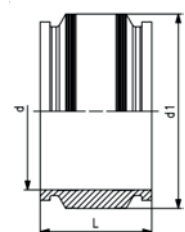


Coupler

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop up to d160

| d [mm] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------------|--------|------------|-----------|--|
| 75 | 753 911 612 | 0.282 | 96 | 110 | |
| 90 | 753 911 613 | 0.406 | 113 | 125 | |
| 110 | 753 911 614 | 0.692 | 138 | 145 | |
| 125 | 753 911 615 | 0.718 | 154 | 156 | |
| 140 | 753 911 616 | 0.945 | 172 | 166 | |
| 160 | 753 911 617 | 1.362 | 196 | 180 | |
| 180 | 753 911 618 | 1.747 | 219 | 192 | |
| 200 | 753 911 619 | 1.866 | 244 | 208 | |
| 225 | 753 911 620 | 3.329 | 273 | 225 | |
| 250 | 753 911 621 | 4.678 | 304 | 248 | |
| 280 | 753 911 622 | 5.647 | 340 | 252 | |
| 315 | 753 911 623 | 8.142 | 382 | 267 | |
| 355 | 753 911 624 | 13.098 | 432 | 290 | |
| 400 | 753 911 625 | 18.320 | 487 | 290 | |

53 91 16



Coupler

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- Only for water applications
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------------|--------|------------|-----------|--|
| 450 | 753 911 646 | 20.675 | 559 | 320 | |
| 500 | 753 911 647 | 28.403 | 621 | 360 | |
| 560 | 753 911 648 | 39.503 | 694 | 390 | |
| 630 | 753 911 649 | 55.641 | 780 | 430 | |

53 91 16

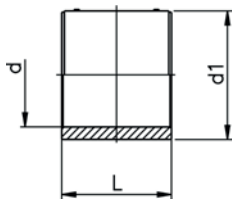


Coupler

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- Only for water applications
- 4 mm pin connectors

| d [mm] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------------|---------|------------|-----------|--|
| 710 | 753 911 650 | 72.450 | 878 | 475 | |
| 800 | 753 911 651 | 102.490 | 988 | 520 | |
| 900 | 753 911 652 | 137.930 | 1110 | 550 | |

53 91 18



Coupler

- PE 100 SDR 17 (ISO S8)
- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- d160 with removable centre stop

| d [mm] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------------|--------|------------|-----------|--|
| 160 | 753 911 817 | 1.017 | 186 | 180 | |
| 180 | 753 911 818 | 1.434 | 213 | 192 | |
| 200 | 753 911 819 | 1.726 | 233 | 206 | |
| 225 | 753 911 820 | 2.545 | 261 | 225 | |
| 250 | 753 911 821 | 4.616 | 304 | 248 | |
| 280 | 753 911 822 | 5.606 | 304 | 252 | |
| 315 | 753 911 823 | 8.186 | 382 | 267 | |
| 355 | 753 911 824 | 9.522 | 414 | 290 | |
| 400 | 753 911 825 | 18.000 | 487 | 290 | |
| 450 | 753 911 826 | 16.000 | 522 | 313 | |
| 500 | 753 911 827 | 22.000 | 579 | 343 | |

53 91 18

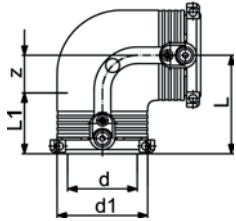


Coupler

- PE 100 SDR 17 (ISO S8)
- 10 bar water
- Only for water applications
- 4 mm pin connectors

| d [mm] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------------|---------|------------|-----------|--|
| 710 | 753 911 850 | 49.370 | 814 | 475 | |
| 800 | 753 911 851 | 69.180 | 916 | 520 | |
| 900 | 753 911 852 | 93.150 | 1030 | 550 | |
| 1000 | 753 911 853 | 125.650 | 1143 | 600 | |
| 1200 | 753 911 854 | 196.450 | 1370 | 650 | |

53 10 16

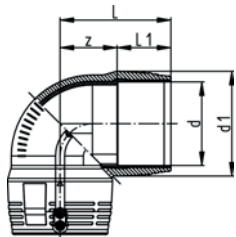


Elbow 90° With integral pipe fixation

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|--------------------|-------|------------|-----------|------------|-----------|--|
| 20 | 753 101 606 | 0.080 | 35 | 54 | 34 | 20 | |
| 25 | 753 101 607 | 0.068 | 35 | 54 | 34 | 20 | |
| 32 | 753 101 608 | 0.098 | 44 | 53 | 36 | 17 | |
| 40 | 753 101 609 | 0.141 | 54 | 62 | 39 | 23 | |
| 50 | 753 101 610 | 0.200 | 66 | 71 | 43 | 28 | |
| 63 | 753 101 611 | 0.318 | 81 | 81 | 48 | 32 | |

53 10 18

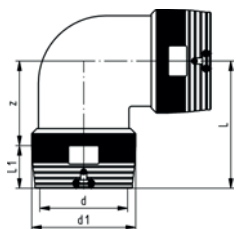


Elbow 90°

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|--------------------|-------|------------|-----------|------------|-----------|--|
| 75 | 753 101 612 | 0.415 | 97 | 94 | 54 | 40 | |
| 90 | 753 101 813 | 0.828 | 115 | 122 | 62 | 60 | |
| 110 | 753 101 814 | 1.224 | 140 | 147 | 72 | 76 | |
| 125 | 753 101 815 | 1.742 | 160 | 142 | 74 | 68 | |
| 160 | 753 101 817 | 3.830 | 196 | 178 | 92 | 86 | |
| 180 | 753 101 818 | 5.410 | 219 | 195 | 95 | 100 | |

53 10 18

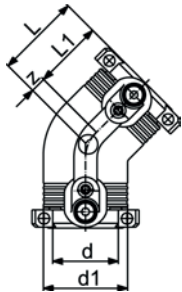


Elbow 90°

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|--------------------|--------|------------|-----------|------------|-----------|--|
| 200 | 753 101 819 | 9.320 | 250 | 298 | 104 | 194 | |
| 225 | 753 101 820 | 13.220 | 280 | 318 | 112 | 206 | |
| 250 | 753 101 821 | 16.600 | 310 | 347 | 123 | 224 | |

53 15 16

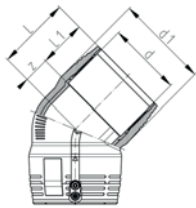


Elbow 45° With integral pipe fixation

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|--------------------|-------|------------|-----------|------------|-----------|--|
| 40 | 753 151 609 | 0.106 | 54 | 50 | 39 | 11 | |
| 50 | 753 151 610 | 0.171 | 66 | 56 | 43 | 13 | |
| 63 | 753 151 611 | 0.252 | 81 | 63 | 48 | 15 | |

53 15 18

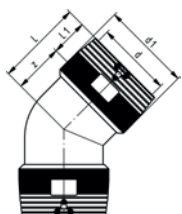


Elbow 45°

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|--------------------|-------|------------|-----------|------------|-----------|--|
| 90 | 753 151 813 | 0.583 | 115 | 91 | 62 | 29 | |
| 110 | 753 151 814 | 0.985 | 140 | 112 | 72 | 40 | |
| 125 | 753 151 815 | 1.438 | 160 | 127 | 78 | 49 | |
| 160 | 753 151 817 | 3.055 | 196 | 134 | 92 | 42 | |
| 180 | 753 151 818 | 4.037 | 217 | 142 | 95 | 47 | |

53 15 18

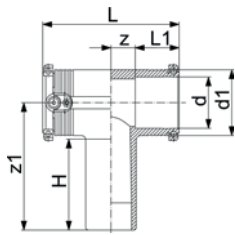


Elbow 45°

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|--------------------|--------|------------|-----------|------------|-----------|--|
| 200 | 753 151 819 | 7.566 | 250 | 232 | 104 | 128 | |
| 225 | 753 151 820 | 11.300 | 280 | 247 | 112 | 135 | |
| 250 | 753 151 821 | 13.500 | 310 | 275 | 123 | 152 | |

53 21 16

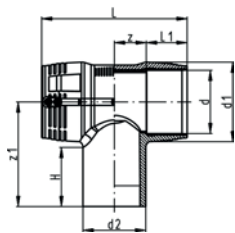


Tee 90°, equal with Integral Clamp

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] | |
|-----------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|--|
| 20 | 753 211 606 | 0.085 | 35 | 88 | 32 | 11 | 92 | 67 | |
| 25 | 753 211 607 | 0.075 | 35 | 90 | 32 | 11 | 92 | 70 | |
| 32 | 753 211 608 | 0.118 | 44 | 102 | 34 | 15 | 100 | 74 | |
| 40 | 753 211 609 | 0.175 | 54 | 119 | 39 | 21 | 114 | 82 | |
| 50 | 753 211 610 | 0.252 | 66 | 135 | 42 | 24 | 126 | 90 | |
| 63 | 753 211 611 | 0.407 | 81 | 151 | 46 | 28 | 150 | 102 | |

53 20 18

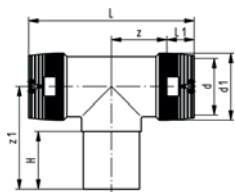


Tee 90° equal

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] | |
|-----------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|--|
| 75 | 753 211 612 | 0.569 | 97 | 178 | 54 | 35 | 143 | 87 | |
| 90 | 753 201 813 | 0.891 | 115 | 205 | 62 | 41 | 161 | 94 | |
| 110 | 753 201 814 | 1.576 | 140 | 255 | 72 | 56 | 184 | 104 | |
| 125 | 753 201 815 | 2.212 | 161 | 276 | 78 | 60 | 207 | 113 | |
| 160 | 753 201 817 | 4.386 | 196 | 325 | 92 | 71 | 206 | 103 | |
| 180 | 753 201 818 | 6.796 | 225 | 344 | 90 | 82 | 250 | 110 | |

53 20 18

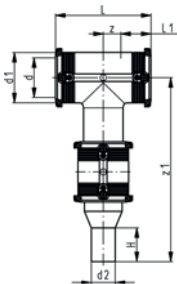


Tee 90°, equal

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] | |
|-----------|--------------------|--------|------------|-----------|------------|-----------|------------|-----------|--|
| 200 | 753 201 819 | 10.800 | 250 | 590 | 104 | 191.0 | 250 | 117 | |
| 225 | 753 201 820 | 15.900 | 280 | 636 | 112 | 206.0 | 270 | 122 | |
| 250 | 753 201 821 | 18.900 | 310 | 685 | 123 | 219.5 | 288 | 127 | |

93 28 10

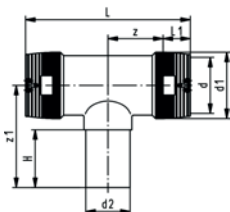


Tee 90°, reduced (Kit)

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF® Plus Coupler and Spigot Reducer

| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|-----------|------------|--------------------|--------|------------|-----------|------------|-----------|------------|-----------|
| 40 | 20 | 193 281 004 | 0.314 | 54 | 120 | 39 | 21 | 244 | 212 |
| 40 | 25 | 193 281 005 | 0.319 | 54 | 120 | 39 | 21 | 244 | 212 |
| 75 | 40 | 193 280 998 | 1.060 | 97 | 187 | 61 | 33 | 296 | 248 |
| 90 | 50 | 193 280 999 | 1.655 | 112 | 202 | 61 | 41 | 336 | 274 |
| 110 | 63 | 193 280 961 | 2.812 | 136 | 242 | 65 | 56 | 366 | 293 |
| 125 | 63 | 193 280 963 | 3.673 | 151 | 256 | 75 | 53 | 361 | 279 |
| 125 | 110 | 193 280 965 | 3.920 | 151 | 256 | 75 | 53 | 389 | 307 |
| 180 | 90 | 193 281 032 | 10.891 | 225 | 344 | 90 | 82 | 487 | 347 |
| 180 | 110 | 193 281 033 | 10.465 | 225 | 344 | 90 | 82 | 495 | 355 |

53 21 10

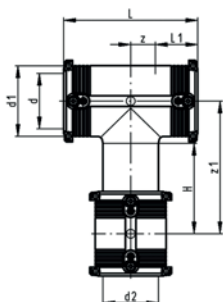


Tee 90°, reduced

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|-----------|------------|--------------------|--------|------------|-----------|------------|-----------|------------|-----------|
| 160 | 63 | 753 211 037 | 5.660 | 200 | 433 | 90 | 126.5 | 176 | 65 |
| 160 | 90 | 753 211 039 | 5.508 | 200 | 496 | 90 | 158.0 | 188 | 79 |
| 160 | 110 | 753 211 040 | 5.157 | 200 | 496 | 90 | 158.0 | 195 | 85 |
| 200 | 90 | 753 211 059 | 9.012 | 250 | 596 | 104 | 194.0 | 215 | 81 |
| 200 | 110 | 753 211 060 | 12.400 | 250 | 596 | 104 | 194.0 | 218 | 84 |
| 200 | 160 | 753 211 063 | 12.400 | 250 | 596 | 104 | 194.0 | 236 | 101 |
| 225 | 90 | 753 211 069 | 13.100 | 280 | 658 | 112 | 217.0 | 226 | 80 |
| 225 | 110 | 753 211 070 | 13.100 | 280 | 658 | 112 | 217.0 | 235 | 85 |
| 225 | 160 | 753 211 073 | 13.600 | 280 | 658 | 112 | 217.0 | 255 | 105 |
| 250 | 110 | 753 211 080 | 11.660 | 310 | 685 | 123 | 219.5 | 245 | 85 |
| 250 | 160 | 753 211 083 | 11.660 | 310 | 685 | 123 | 219.5 | 264 | 101 |

53 20 16

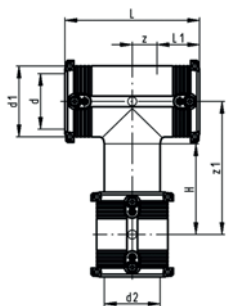


Tee 90° with weldable outlet (Kit)

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF® Plus Coupler or ELGEF® Plus Reducer

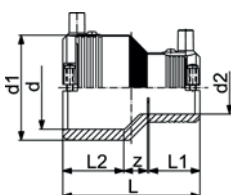
| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|-----------|------------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|
| 20 | 20 | 753 201 606 | 0.161 | 35 | 90 | 34 | 11 | 92 | 67 |
| 25 | 25 | 753 201 607 | 0.122 | 35 | 90 | 34 | 11 | 92 | 70 |
| 32 | 32 | 753 201 608 | 0.201 | 44 | 102 | 36 | 15 | 100 | 74 |
| 40 | 32 | 193 281 006 | 0.288 | 54 | 120 | 39 | 21 | 127 | 95 |
| 40 | 40 | 753 201 609 | 0.285 | 54 | 120 | 39 | 21 | 114 | 82 |
| 50 | 32 | 193 281 007 | 0.364 | 66 | 135 | 43 | 24 | 144 | 108 |
| 50 | 40 | 193 281 008 | 0.407 | 66 | 135 | 43 | 24 | 140 | 104 |
| 50 | 50 | 753 201 610 | 0.389 | 66 | 135 | 43 | 24 | 126 | 90 |
| 63 | 32 | 193 280 997 | 0.550 | 81 | 152 | 48 | 28 | 173 | 125 |
| 63 | 40 | 193 281 009 | 0.566 | 81 | 152 | 48 | 28 | 169 | 121 |
| 63 | 50 | 193 281 010 | 0.628 | 81 | 152 | 48 | 28 | 165 | 117 |
| 63 | 63 | 753 201 611 | 0.615 | 81 | 152 | 48 | 28 | 150 | 102 |
| 90 | 63 | 193 281 011 | 1.311 | 112 | 202 | 61 | 41 | 182 | 120 |
| 90 | 90 | 753 201 613 | 1.342 | 112 | 202 | 61 | 41 | 146 | 84 |
| 110 | 90 | 193 281 012 | 2.343 | 136 | 242 | 65 | 56 | 200 | 127 |
| 110 | 110 | 753 201 614 | 2.329 | 136 | 242 | 65 | 56 | 161 | 88 |

table continued next page



| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] | |
|-----------|------------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|--|
| 125 | 90 | 193 281 013 | 3.146 | 151 | 256 | 75 | 53 | 214 | 132 | |
| 125 | 125 | 753 201 615 | 2.960 | 151 | 256 | 75 | 53 | 174 | 92 | |
| 160 | 110 | 193 281 030 | 7.443 | 196 | 325 | 92 | 71 | 271 | 168 | |
| 160 | 160 | 753 201 617 | 6.359 | 196 | 325 | 92 | 71 | 206 | 103 | |
| 180 | 125 | 193 281 031 | 9.654 | 225 | 344 | 90 | 82 | 330 | 190 | |
| 180 | 180 | 753 201 618 | 8.561 | 225 | 344 | 90 | 82 | 250 | 110 | |

53 90 16

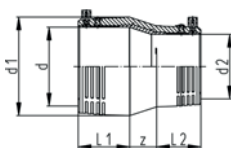


Reducer with Integral Clamp

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] | |
|-----------|------------|--------------------|-------|------------|-----------|------------|------------|-----------|--|
| 25 | 20 | 753 901 639 | 0.051 | 35 | 74 | 34 | 34 | 6 | |
| 32 | 20 | 753 901 640 | 0.056 | 44 | 79 | 33 | 36 | 10 | |
| 32 | 25 | 753 901 641 | 0.062 | 44 | 79 | 33 | 36 | 10 | |
| 40 | 20 | 753 901 644 | 0.069 | 54 | 88 | 33 | 39 | 15 | |
| 40 | 25 | 753 901 645 | 0.084 | 54 | 88 | 33 | 39 | 15 | |
| 40 | 32 | 753 901 646 | 0.095 | 54 | 88 | 33 | 39 | 13 | |
| 50 | 32 | 753 901 651 | 0.124 | 66 | 96 | 35 | 43 | 18 | |
| 50 | 40 | 753 901 652 | 0.119 | 66 | 96 | 39 | 43 | 14 | |
| 63 | 32 | 753 901 656 | 0.158 | 81 | 105 | 35 | 48 | 23 | |
| 63 | 40 | 753 901 657 | 0.176 | 81 | 105 | 39 | 48 | 19 | |
| 63 | 50 | 753 901 658 | 0.176 | 81 | 105 | 43 | 48 | 15 | |

53 90 18

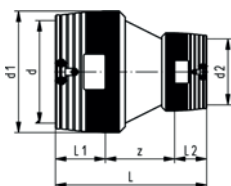


Reducer

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] | |
|-----------|------------|--------------------|-------|------------|-----------|------------|------------|-----------|--|
| 90 | 63 | 753 901 831 | 0.385 | 113 | 146 | 63 | 47 | 36 | |
| 110 | 90 | 753 901 833 | 0.700 | 138 | 173 | 73 | 63 | 38 | |
| 125 | 90 | 753 901 836 | 0.891 | 152 | 180 | 79 | 61 | 40 | |
| 160 | 110 | 753 901 834 | 1.641 | 196 | 226 | 91 | 70 | 65 | |
| 180 | 125 | 753 901 835 | 1.962 | 220 | 247 | 97 | 70 | 80 | |

53 90 18

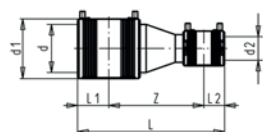


Reducer

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] | |
|-----------|------------|--------------------|-------|------------|-----------|------------|------------|-----------|--|
| 200 | 160 | 753 901 837 | 5.098 | 250 | 365 | 104 | 90 | 171 | |
| 225 | 160 | 753 901 838 | 6.000 | 280 | 385 | 112 | 90 | 183 | |
| 250 | 160 | 753 901 840 | 7.860 | 310 | 400 | 123 | 90 | 187 | |
| 250 | 200 | 753 901 841 | 8.480 | 310 | 427 | 123 | 104 | 200 | |

93 28 09

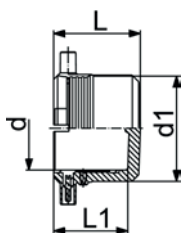


Reducer (Kit)

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF® Plus Coupler and Spigot Reducer

| d [mm] | d2 [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] |
|-----------|------------|--------------------|-------|------------|-----------|------------|------------|-----------|
| 75 | 40 | 193 280 992 | 0.574 | 96 | 265 | 55 | 40 | 170 |
| 75 | 50 | 193 280 993 | 0.623 | 96 | 269 | 55 | 44 | 170 |
| 75 | 63 | 193 280 994 | 0.700 | 96 | 273 | 55 | 48 | 170 |
| 90 | 50 | 193 280 958 | 0.857 | 113 | 297 | 63 | 44 | 190 |
| 90 | 75 | 193 280 995 | 1.071 | 113 | 308 | 63 | 55 | 190 |
| 110 | 63 | 193 280 950 | 1.389 | 138 | 326 | 73 | 48 | 205 |
| 110 | 75 | 193 280 996 | 1.496 | 138 | 333 | 73 | 55 | 205 |
| 125 | 63 | 193 280 953 | 1.567 | 154 | 314 | 79 | 48 | 187 |
| 125 | 110 | 193 280 951 | 2.098 | 154 | 367 | 79 | 73 | 215 |
| 160 | 90 | 193 280 954 | 3.060 | 196 | 370 | 90 | 63 | 217 |
| 160 | 125 | 193 280 952 | 3.252 | 196 | 414 | 90 | 79 | 245 |
| 180 | 110 | 193 280 959 | 4.167 | 214 | 413 | 95 | 73 | 245 |

53 96 16

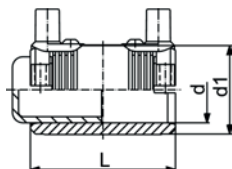


End Cap with integral pipe fixation

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] |
|-----------|--------------------|-------|------------|-----------|------------|
| 20 | 753 961 606 | 0.041 | 35 | 52 | 44 |
| 25 | 753 961 607 | 0.046 | 35 | 52 | 44 |
| 32 | 753 961 608 | 0.058 | 44 | 52 | 44 |
| 40 | 753 961 609 | 0.064 | 54 | 56 | 47 |
| 50 | 753 961 610 | 0.154 | 66 | 60 | 49 |
| 63 | 753 961 611 | 0.142 | 81 | 66 | 54 |

53 96 17

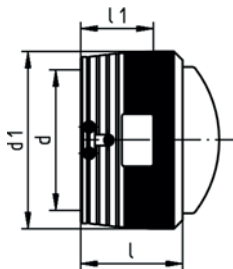


End cap (Kit)

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF Plus Coupler

| d [mm] | Code | kg | d1 [mm] | L [mm] |
|-----------|--------------------|-------|------------|-----------|
| 75 | 753 961 712 | 0.446 | 96 | 110 |
| 90 | 753 961 713 | 0.663 | 113 | 125 |
| 110 | 753 961 714 | 1.090 | 133 | 145 |
| 125 | 753 961 715 | 1.345 | 155 | 158 |
| 140 | 753 961 716 | 2.250 | 175 | 170 |
| 160 | 753 961 717 | 2.382 | 197 | 180 |
| 180 | 753 961 718 | 3.098 | 220 | 194 |
| 200 | 753 961 719 | 4.180 | 245 | 208 |
| 225 | 753 961 720 | 5.852 | 296 | 224 |

53 96 16

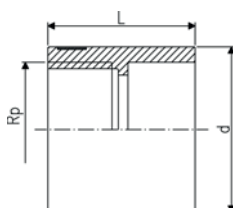


End Cap

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | kg | d1 [mm] | L [mm] | L1 [mm] |
|-----------|--------------------|-------|------------|-----------|------------|
| 160 | 753 961 617 | 1.782 | 200 | 143 | 90 |
| 200 | 753 961 619 | 3.585 | 250 | 162 | 104 |
| 225 | 753 961 620 | 4.500 | 280 | 170 | 112 |
| 250 | 753 961 621 | 6.300 | 310 | 185 | 123 |

73 28 19

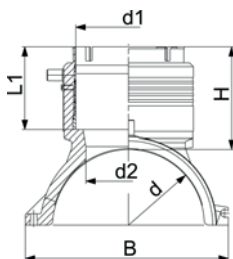


PE Adaptor Female thread

- **PE 80 SDR 11** (ISO S5)
- 5 bar Gas / 12,5 bar Water
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- For ELGEF Plus Branch Saddle (53 131 000) d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- Parallel female thread
- *PE 100 SDR 11 (ISO S5)

| d [mm] | Rp [inch] | Code | kg | L [mm] |
|-----------|--------------|--------------------|-------|-----------|
| 63 | 1 ½ | 173 281 925 | 0.088 | 54 |

51 336 001

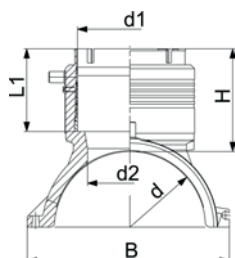


Branch saddle outlet 90 - 125 mm

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Branch Saddle complete, incl. lower part and 3 screws
- Additional fixing with snatch hinge
- Electrofusion outlet with integrated pipe fixation
- Protected wire without medium contact
- 4 mm pin connectors
- Limited path fusion indicators
- * Delivered without lower part. Pipe fixation with multiple use assembly tool no. 193 281 027

| d [mm] | d1 [mm] | Code | kg | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] |
|-----------|------------|--------------------|-------|-----------|-----------|------------|-----------|------------|
| 110 | 90 | 193 135 009 | 1.124 | 101 | 220 | 82 | 164 | 65 |
| 110 | 110 | 193 135 010 | 1.224 | 107 | 220 | 88 | 164 | 65 |
| 125 | 90 | 193 135 019 | 1.134 | 101 | 220 | 82 | 179 | 65 |
| 125 | 110 | 193 135 020 | 1.290 | 107 | 220 | 88 | 179 | 65 |
| * 140 | 90 | 193 135 029 | 0.982 | 101 | 220 | 81 | 195 | 65 |
| * 140 | 110 | 193 135 030 | 1.087 | 107 | 220 | 87 | 195 | 65 |
| 160 | 90 | 193 135 039 | 1.449 | 102 | 240 | 82 | 215 | 65 |
| 160 | 110 | 193 135 040 | 1.582 | 108 | 240 | 88 | 215 | 86 |
| 160 | 125 | 193 135 041 | 1.782 | 129 | 240 | 99 | 215 | 86 |

table continued next page

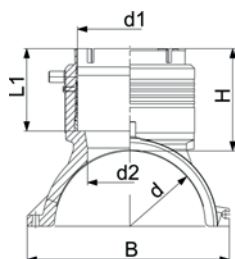


| d [mm] | d1 [mm] | Code | kg | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] | |
|-----------|------------|--------------------|-------|-----------|-----------|------------|-----------|------------|--|
| 180 | 90 | 193 135 049 | 1.672 | 102 | 260 | 82 | 237 | 65 | |
| 180 | 110 | 193 135 050 | 1.765 | 108 | 260 | 88 | 237 | 86 | |
| 180 | 125 | 193 135 051 | 2.015 | 129 | 260 | 99 | 237 | 86 | |
| 200 | 90 | 193 135 059 | 1.803 | 102 | 260 | 82 | 253 | 65 | |
| 200 | 110 | 193 135 060 | 1.963 | 108 | 260 | 88 | 253 | 86 | |
| 200 | 125 | 193 135 061 | 2.128 | 129 | 260 | 99 | 253 | 86 | |
| 225 | 90 | 193 135 069 | 2.006 | 102 | 260 | 82 | 287 | 65 | |
| 225 | 110 | 193 135 070 | 2.040 | 108 | 260 | 88 | 287 | 86 | |
| 225 | 125 | 193 135 071 | 2.312 | 129 | 260 | 99 | 287 | 86 | |
| 250 | 90 | 193 135 079 | 2.145 | 102 | 260 | 82 | 312 | 65 | |
| 250 | 110 | 193 135 080 | 2.258 | 108 | 260 | 88 | 312 | 86 | |
| 250 | 125 | 193 135 081 | 2.500 | 129 | 260 | 99 | 312 | 86 | |

51 336 001

Branch saddle topload outlet 90 - 125 mm

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Branch Saddle for assembling as Topload with tool 799.350.477; angle adaptors (799.350.340) for fusion cable required
- Electrofusion outlet with integrated pipe fixation
- Protected wire without medium contact
- 4 mm pin connectors
- Limited path fusion indicators

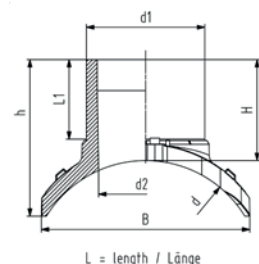


| d [mm] | d1 [mm] | Code | kg | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] | |
|-----------|------------|--------------------|-------|-----------|-----------|------------|-----------|------------|--|
| 280 | 90 | 193 135 289 | 1.242 | 102 | 260 | 82 | 243 | 65 | |
| 280 | 110 | 193 135 290 | 1.295 | 108 | 260 | 88 | 243 | 86 | |
| 280 | 125 | 193 135 291 | 1.530 | 129 | 260 | 99 | 243 | 86 | |
| 315 - 355 | 90 | 193 135 309 | 1.214 | 102 | 260 | 82 | 249 | 65 | |
| 315 - 355 | 110 | 193 135 310 | 1.297 | 108 | 260 | 88 | 249 | 86 | |
| 315 - 355 | 125 | 193 135 311 | 1.530 | 129 | 260 | 99 | 249 | 86 | |
| 400 - 450 | 90 | 193 135 329 | 1.039 | 102 | 260 | 82 | 256 | 65 | |
| 400 - 450 | 110 | 193 135 330 | 1.116 | 108 | 260 | 88 | 256 | 86 | |
| 400 - 450 | 125 | 193 135 331 | 1.369 | 129 | 260 | 99 | 256 | 86 | |
| 500 - 630 | 90 | 193 135 159 | 1.086 | 102 | 260 | 82 | 263 | 65 | |
| 500 - 630 | 110 | 193 135 160 | 1.159 | 108 | 260 | 88 | 263 | 86 | |
| 500 - 630 | 125 | 193 135 161 | 1.388 | 129 | 260 | 99 | 263 | 86 | |

51 336 001

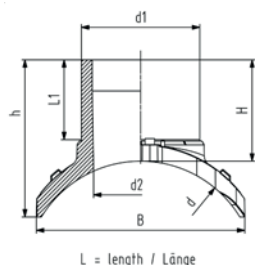
Branch saddle topload outlet 160 - 225 mm

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Branch Saddle installation only with installation set Topload TL225 (799.300.807); angle adaptors (799.350.340) for fusion cable required
- 4 mm pin connectors
- Limited path fusion indicators
- Protected wire without medium contact
- Spigot outlet for butt- and electrofusion
- Full pressure applicable - no derating factor



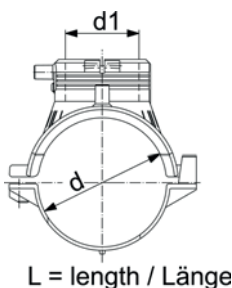
| d [mm] | d1 [mm] | Code | kg | h [mm] | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] | |
|-----------|------------|--------------------|-------|-----------|-----------|-----------|------------|-----------|------------|--|
| 315 | 160 | 193 135 402 | 2.662 | 212 | 137 | 322 | 110 | 282 | 131 | |
| 315 | 225 | 193 135 404 | 4.594 | 306 | 160 | 366 | 127 | 260 | 184 | |
| 355 | 160 | 193 135 412 | 2.662 | 206 | 137 | 322 | 110 | 282 | 131 | |
| 355 | 225 | 193 135 414 | 4.710 | 319 | 160 | 366 | 127 | 249 | 184 | |
| 400 | 160 | 193 135 422 | 2.678 | 198 | 137 | 322 | 110 | 300 | 131 | |
| 400 | 225 | 193 135 424 | 4.700 | 329 | 160 | 366 | 127 | 241 | 184 | |
| 450 | 160 | 193 135 432 | 2.678 | 194 | 137 | 322 | 110 | 300 | 131 | |
| 450 | 225 | 193 135 434 | 4.700 | 329 | 160 | 366 | 127 | 233 | 184 | |
| 500 | 160 | 193 135 442 | 2.708 | 186 | 137 | 322 | 110 | 310 | 131 | |
| 500 | 225 | 193 135 444 | 4.650 | 344 | 160 | 366 | 127 | 226 | 184 | |
| 560 | 160 | 193 135 452 | 2.708 | 183 | 137 | 322 | 110 | 310 | 131 | |

table continued next page



| d [mm] | d1 [mm] | Code | kg | h [mm] | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] | |
|-----------|------------|--------------------|-------|-----------|-----------|-----------|------------|-----------|------------|--|
| 560 | 225 | 193 135 454 | 4.650 | 344 | 160 | 366 | 127 | 220 | 184 | |
| 630 | 160 | 193 135 462 | 2.500 | 177 | 137 | 322 | 110 | 312 | 131 | |
| 630 | 225 | 193 135 464 | 4.630 | 353 | 160 | 366 | 127 | 214 | 184 | |
| 710 | 160 | 193 135 472 | 2.500 | 172 | 137 | 322 | 110 | 312 | 131 | |
| 710 | 225 | 193 135 474 | 4.630 | 352 | 160 | 366 | 127 | 208 | 184 | |
| 800 | 160 | 193 135 482 | 2.500 | 168 | 137 | 322 | 110 | 312 | 131 | |
| 800 | 225 | 193 135 484 | 4.610 | 359 | 160 | 366 | 127 | 203 | 184 | |
| 900 | 225 | 193 135 494 | 4.610 | 359 | 160 | 366 | 127 | 199 | 184 | |
| 1000 | 225 | 193 135 504 | 4.610 | 359 | 160 | 366 | 127 | 195 | 184 | |

53 131 000



Electrofusion saddle

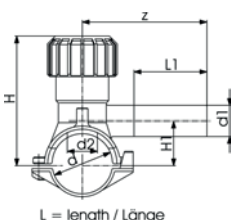
- **PE 100 SDR 11 (ISO S5)**
- 10 bar Gas / 16 bar Water
- Complete with lower part
- ***Complete with moulded-on lower part
- 4 mm pin connectors
- Limited path fusion indicators

*not suitable for all tapping-tees, tapping-valves and spigots with cutter of the modular systems

** = not suitable for all tapping-tees, tapping-valves and spigots with cutter of the modular systems / delivery without lower part for assembling as Top load with tool 799.350.475

| d [mm] | d1 [mm] | Code | kg | L [mm] | |
|--------------|------------|--------------------|-------|-----------|--|
| 63 | 63 | 193 131 037 | 0.325 | 165 | |
| 75 | 63 | 193 131 047 | 0.455 | 165 | |
| 90 | 63 | 193 131 057 | 0.412 | 165 | |
| 110 | 63 | 193 131 067 | 0.458 | 165 | |
| 125 | 63 | 193 131 077 | 0.502 | 165 | |
| 140 | 63 | 193 131 087 | 0.523 | 165 | |
| 160 | 63 | 193 131 097 | 0.493 | 165 | |
| 180 | 63 | 193 131 107 | 0.600 | 165 | |
| 200 | 63 | 193 131 117 | 0.634 | 165 | |
| 225 | 63 | 193 131 127 | 0.618 | 165 | |
| * 250 | 63 | 193 131 137 | 0.627 | 165 | |
| ** 280 | 63 | 193 131 147 | 0.359 | 165 | |
| ** 315 - 355 | 63 | 193 131 157 | 0.373 | 165 | |

53 131 400

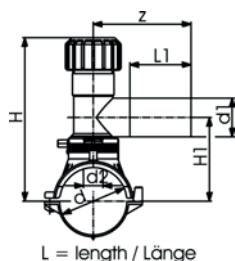


Tapping Saddle Monobloc version

- **PE 100 SDR 11 (ISO S5)**
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

| d [mm] | d1 [mm] | Code | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|------------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|--|
| 40 | 20 | 193 131 412 | 0.225 | 16 | 99 | 33 | 103 | 70 | 102 | |
| 40 | 25 | 193 131 413 | 0.226 | 16 | 99 | 33 | 103 | 70 | 102 | |
| 40 | 32 | 193 131 414 | 0.225 | 16 | 99 | 33 | 103 | 70 | 120 | |
| 50 | 20 | 193 131 422 | 0.214 | 16 | 104 | 38 | 103 | 70 | 102 | |
| 50 | 25 | 193 131 423 | 0.212 | 16 | 104 | 38 | 103 | 70 | 102 | |
| 50 | 32 | 193 131 424 | 0.228 | 16 | 104 | 38 | 103 | 70 | 120 | |
| 63 | 20 | 193 131 432 | 0.428 | 25 | 134 | 44 | 126 | 70 | 115 | |
| 63 | 25 | 193 131 433 | 0.431 | 25 | 134 | 44 | 126 | 70 | 115 | |
| 63 | 32 | 193 131 434 | 0.425 | 25 | 134 | 44 | 126 | 70 | 130 | |

53 131 400

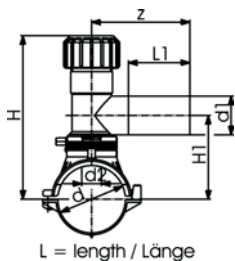


Tapping Saddle with 360° rotatable outlet

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- d315-400mm: restricted application for pipes d355 and d400mm. Not suitable for pipes if wall thickness is larger than SDR17 pipes.
- *moulded-on lower clamp
- **Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

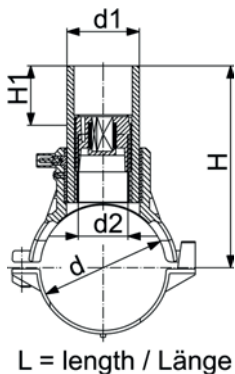
| d [mm] | d1 [mm] | Code | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|------------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|--|
| 63 | 20 | 193 131 402 | 0.697 | 32 | 186 | 108 | 165 | 71 | 130 | |
| 63 | 25 | 193 131 403 | 0.637 | 32 | 186 | 108 | 165 | 71 | 130 | |
| 63 | 32 | 193 131 404 | 0.701 | 32 | 186 | 108 | 165 | 76 | 130 | |
| 63 | 40 | 193 131 405 | 0.718 | 32 | 186 | 108 | 165 | 81 | 137 | |
| 63 | 63 | 193 131 437 | 1.426 | 32 | 134 | 112 | 165 | 100 | 160 | |
| 75 | 20 | 193 131 442 | 0.831 | 32 | 191 | 113 | 165 | 71 | 130 | |
| 75 | 25 | 193 131 443 | 0.830 | 32 | 191 | 113 | 165 | 71 | 130 | |
| 75 | 32 | 193 131 444 | 0.812 | 32 | 191 | 113 | 165 | 76 | 130 | |
| 75 | 40 | 193 131 445 | 0.849 | 32 | 191 | 113 | 165 | 81 | 137 | |
| 75 | 63 | 193 131 447 | 1.565 | 32 | 240 | 118 | 165 | 100 | 160 | |
| 90 | 20 | 193 131 452 | 0.793 | 32 | 199 | 121 | 165 | 71 | 130 | |
| 90 | 25 | 193 131 453 | 0.790 | 32 | 199 | 121 | 165 | 71 | 130 | |
| 90 | 32 | 193 131 454 | 0.770 | 32 | 199 | 121 | 165 | 76 | 130 | |
| 90 | 40 | 193 131 455 | 0.811 | 32 | 199 | 121 | 165 | 81 | 137 | |
| 90 | 63 | 193 131 457 | 1.494 | 32 | 248 | 126 | 165 | 100 | 160 | |
| * 110 | 20 | 193 131 462 | 0.826 | 32 | 209 | 131 | 165 | 71 | 130 | |
| * 110 | 25 | 193 131 463 | 0.808 | 32 | 209 | 131 | 165 | 71 | 130 | |
| * 110 | 32 | 193 131 464 | 0.831 | 32 | 209 | 131 | 165 | 76 | 130 | |
| * 110 | 40 | 193 131 465 | 0.805 | 32 | 209 | 131 | 165 | 81 | 137 | |
| * 110 | 63 | 193 131 467 | 1.097 | 35 | 258 | 136 | 165 | 100 | 160 | |
| 125 | 20 | 193 131 472 | 0.880 | 32 | 216 | 138 | 165 | 71 | 130 | |
| 125 | 25 | 193 131 473 | 0.878 | 32 | 216 | 138 | 165 | 71 | 130 | |
| 125 | 32 | 193 131 474 | 0.878 | 32 | 216 | 138 | 165 | 76 | 130 | |
| 125 | 40 | 193 131 475 | 0.874 | 32 | 216 | 138 | 165 | 81 | 137 | |
| 125 | 63 | 193 131 477 | 1.184 | 35 | 265 | 143 | 165 | 100 | 160 | |
| 140 | 20 | 193 131 482 | 0.887 | 32 | 233 | 146 | 165 | 71 | 130 | |
| 140 | 25 | 193 131 483 | 0.874 | 32 | 233 | 146 | 165 | 71 | 130 | |
| 140 | 32 | 193 131 484 | 0.894 | 32 | 233 | 146 | 165 | 76 | 130 | |
| 140 | 40 | 193 131 485 | 0.920 | 32 | 233 | 146 | 165 | 81 | 137 | |
| 140 | 63 | 193 131 487 | 1.180 | 35 | 273 | 151 | 165 | 100 | 160 | |
| * 160 | 20 | 193 131 492 | 0.916 | 32 | 243 | 156 | 165 | 71 | 130 | |
| * 160 | 25 | 193 131 493 | 0.912 | 32 | 243 | 156 | 165 | 71 | 130 | |
| * 160 | 32 | 193 131 494 | 0.915 | 32 | 243 | 156 | 165 | 76 | 130 | |
| * 160 | 40 | 193 131 495 | 0.936 | 32 | 243 | 156 | 165 | 81 | 137 | |
| * 160 | 63 | 193 131 497 | 1.221 | 35 | 283 | 161 | 165 | 100 | 160 | |
| 180 | 20 | 193 131 502 | 0.994 | 32 | 244 | 166 | 165 | 71 | 130 | |
| 180 | 25 | 193 131 503 | 1.001 | 32 | 244 | 166 | 165 | 71 | 130 | |
| 180 | 32 | 193 131 504 | 0.957 | 32 | 244 | 166 | 165 | 76 | 130 | |
| 180 | 40 | 193 131 505 | 1.007 | 32 | 244 | 166 | 165 | 81 | 137 | |
| 180 | 63 | 193 131 507 | 1.587 | 35 | 293 | 171 | 165 | 100 | 160 | |
| 200 | 20 | 193 131 512 | 1.015 | 32 | 254 | 176 | 165 | 71 | 137 | |
| 200 | 25 | 193 131 513 | 1.015 | 32 | 254 | 176 | 165 | 71 | 130 | |
| 200 | 32 | 193 131 514 | 0.985 | 32 | 254 | 176 | 165 | 76 | 130 | |
| 200 | 40 | 193 131 515 | 1.024 | 32 | 254 | 176 | 165 | 81 | 137 | |
| 200 | 63 | 193 131 517 | 1.745 | 35 | 303 | 181 | 165 | 100 | 160 | |
| 225 | 20 | 193 131 522 | 1.016 | 32 | 266 | 188 | 165 | 71 | 130 | |
| 225 | 25 | 193 131 523 | 1.025 | 32 | 266 | 188 | 165 | 71 | 130 | |
| 225 | 32 | 193 131 524 | 1.019 | 32 | 266 | 188 | 165 | 76 | 130 | |
| 225 | 40 | 193 131 525 | 1.029 | 32 | 266 | 188 | 165 | 81 | 137 | |

table continued next page



| d [mm] | d1 [mm] | Code | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|------------|------------|--------------------|-------|------------|-----------|------------|-----------|------------|-----------|
| 225 | 63 | 193 131 527 | 1.738 | 35 | 315 | 193 | 165 | 100 | 160 |
| 250 | 20 | 193 131 532 | 1.025 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 25 | 193 131 533 | 1.026 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 32 | 193 131 534 | 0.996 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 40 | 193 131 535 | 1.008 | 32 | 279 | 201 | 165 | 81 | 137 |
| 250 | 63 | 193 131 537 | 1.733 | 35 | 328 | 206 | 165 | 100 | 160 |
| ** 280 | 63 | 193 131 547 | 1.478 | 35 | 328 | 206 | 165 | 100 | 160 |
| ** 315-355 | 63 | 193 131 557 | 1.481 | 35 | 328 | 206 | 165 | 100 | 160 |

53 131 200

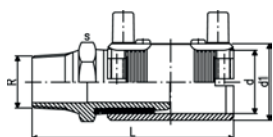


Spigot Saddle with Cutter

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- d315 - 400 mm: application is limited on pipes d355 and d400 mm. Not suitable for pipes if larger wall thickness than SDR 17 pipes.
- **Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

| d [mm] | d1 [mm] | Code | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | SW [mm] |
|--------------|------------|--------------------|-------|------------|-----------|------------|-----------|------------|
| 63 | 32 | 193 131 234 | 0.469 | 19 | 145 | 50 | 165 | 13 |
| 63 | 63 | 193 131 237 | 1.036 | 32 | 152 | 50 | 165 | 17 |
| 75 | 32 | 193 131 244 | 0.618 | 19 | 151 | 50 | 165 | 13 |
| 75 | 63 | 193 131 247 | 1.166 | 32 | 158 | 50 | 165 | 17 |
| 90 | 32 | 193 131 254 | 0.543 | 19 | 158 | 50 | 165 | 13 |
| 90 | 63 | 193 131 257 | 1.128 | 32 | 165 | 50 | 165 | 17 |
| 110 | 32 | 193 131 264 | 0.607 | 19 | 168 | 50 | 165 | 13 |
| 110 | 63 | 193 131 267 | 1.195 | 32 | 175 | 50 | 165 | 17 |
| 125 | 32 | 193 131 274 | 0.659 | 19 | 176 | 50 | 165 | 13 |
| 125 | 63 | 193 131 277 | 1.224 | 32 | 183 | 50 | 165 | 17 |
| 140 | 32 | 193 131 284 | 0.679 | 19 | 183 | 50 | 165 | 13 |
| 140 | 63 | 193 131 287 | 1.224 | 32 | 190 | 50 | 165 | 17 |
| 160 | 32 | 193 131 294 | 0.652 | 19 | 193 | 50 | 165 | 13 |
| 160 | 63 | 193 131 297 | 1.186 | 32 | 200 | 50 | 165 | 17 |
| 180 | 32 | 193 131 304 | 0.777 | 19 | 203 | 50 | 165 | 13 |
| 180 | 63 | 193 131 307 | 1.316 | 32 | 210 | 50 | 165 | 17 |
| 200 | 32 | 193 131 314 | 0.854 | 19 | 213 | 50 | 165 | 13 |
| 200 | 63 | 193 131 317 | 1.352 | 32 | 220 | 50 | 165 | 17 |
| 225 | 32 | 193 131 324 | 0.856 | 19 | 226 | 50 | 165 | 13 |
| 225 | 63 | 193 131 327 | 1.324 | 32 | 233 | 50 | 165 | 17 |
| 250 | 32 | 193 131 334 | 0.787 | 19 | 238 | 50 | 165 | 13 |
| 250 | 63 | 193 131 337 | 1.348 | 32 | 245 | 50 | 165 | 17 |
| ** 280 | 63 | 193 131 347 | 0.830 | 35 | 245 | 50 | 165 | 17 |
| ** 315 - 355 | 63 | 193 131 357 | 1.094 | 35 | 245 | 50 | 165 | 17 |

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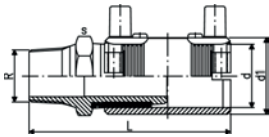


Transition coupler PE/brass (Ms 58) Male thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

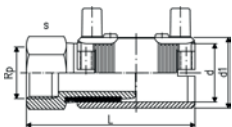
| d [mm] | R [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|-------------|--------------------|-------|------------|-----------|-----------|
| 20 | ½ | 720 920 756 | 0.187 | 31 | 110 | 30 |
| 20 | 1 | 720 920 754 | 0.344 | 44 | 124 | 40 |
| 25 | ¾ | 720 920 757 | 0.254 | 36 | 111 | 35 |
| 25 | 1 | 720 920 763 | 0.340 | 44 | 124 | 40 |
| 32 | ½ | 720 920 764 | 0.213 | 44 | 121 | 30 |
| 32 | ¾ | 720 920 765 | 0.268 | 44 | 122 | 35 |

table continued next page



| d [mm] | R [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|-------------|--------------------|-------|------------|-----------|-----------|
| 32 | 1 | 720 920 758 | 0.340 | 44 | 117 | 40 |
| 32 | 1 ¼ | 720 920 766 | 0.489 | 54 | 135 | 50 |
| 32 | 1 ½ | 720 920 767 | 0.635 | 60 | 143 | 60 |
| 32 | 2 | 720 920 768 | 1.000 | 81 | 157 | 70 |
| 40 | 1 | 720 920 771 | 0.364 | 54 | 133 | 40 |
| 40 | 1 ¼ | 720 920 759 | 0.514 | 54 | 127 | 50 |
| 40 | 1 ½ | 720 920 772 | 0.645 | 66 | 143 | 60 |
| 40 | 2 | 720 920 773 | 0.961 | 81 | 157 | 70 |
| 50 | 1 | 720 920 776 | 0.367 | 66 | 141 | 40 |
| 50 | 1 ¼ | 720 920 777 | 0.554 | 66 | 143 | 50 |
| 50 | 1 ½ | 720 920 760 | 0.652 | 66 | 135 | 60 |
| 50 | 2 | 720 920 778 | 0.971 | 81 | 157 | 70 |
| 63 | 1 | 720 920 781 | 0.441 | 81 | 151 | 40 |
| 63 | 1 ¼ | 720 920 782 | 0.600 | 81 | 153 | 40 |
| 63 | 1 ½ | 720 920 783 | 0.712 | 81 | 153 | 60 |
| 63 | 2 | 720 920 761 | 0.943 | 81 | 147 | 70 |

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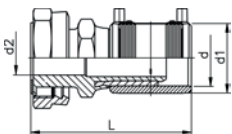


Transition coupler PE/brass (Ms 58) Female thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

| d [mm] | Rp [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|--------------|--------------------|-------|------------|-----------|-----------|
| 32 | 1 | 720 920 258 | 0.306 | 44 | 108 | 40 |
| 40 | 1 ¼ | 720 920 259 | 0.496 | 54 | 118 | 50 |
| 50 | 1 ½ | 720 920 260 | 0.725 | 66 | 126 | 60 |
| 63 | 1 | 720 920 281 | 1.300 | 81 | 138 | 70 |
| 63 | 1 ¼ | 720 920 282 | 1.230 | 81 | 138 | 70 |
| 63 | 1 ½ | 720 920 283 | 1.134 | 81 | 138 | 70 |
| 63 | 2 | 720 920 261 | 1.057 | 81 | 138 | 70 |

20 91 00

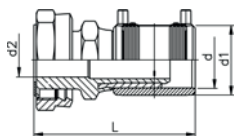


Transition Coupler PE/brass (Ms 58) with loose Nut

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Delivered as a kit. Further combinations: modular system with threaded adapter and reductions
- Incl. flat gasket for water applications (KTW / WRAS approved)

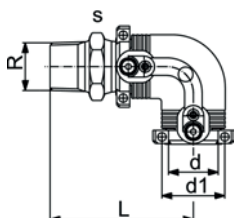
| d [mm] | Rp [inch] | Code | kg | d1 [mm] | d2 [mm] | L [mm] |
|-----------|--------------|--------------------|-------|------------|------------|-----------|
| 25 | ¾ | 720 910 007 | 0.232 | 36 | 15 | 104 |
| 25 | 1 | 720 910 017 | 0.315 | 36 | 16 | 106 |
| 32 | 1 | 720 910 008 | 0.297 | 44 | 20 | 110 |
| 32 | 1 ¼ | 720 910 018 | 0.460 | 44 | 22 | 114 |
| 32 | 1 ½ | 720 910 028 | 0.480 | 44 | 22 | 114 |
| 40 | 1 | 720 910 009 | 0.465 | 54 | 21 | 119 |
| 40 | 1 ¼ | 720 910 019 | 0.520 | 54 | 25 | 123 |
| 40 | 1 ½ | 720 910 029 | 0.577 | 54 | 28 | 123 |
| 50 | 1 | 720 910 020 | 0.635 | 66 | 20 | 128 |
| 50 | 1 ¼ | 720 910 030 | 0.730 | 66 | 25 | 133 |
| 50 | 1 ½ | 720 910 010 | 0.736 | 66 | 29 | 133 |
| 50 | 2 | 720 910 040 | 0.929 | 66 | 36 | 137 |
| 63 | 1 | 720 910 021 | 1.013 | 81 | 20 | 137 |

table continued next page



| d [mm] | Rp [inch] | Code | kg | d1 [mm] | d2 [mm] | L [mm] | |
|-----------|--------------|--------------------|-------|------------|------------|-----------|--|
| 63 | 1 ¼ | 720 910 031 | 1.060 | 81 | 25 | 141 | |
| 63 | 1 ½ | 720 910 041 | 1.070 | 81 | 29 | 141 | |
| 63 | 2 | 720 910 011 | 1.251 | 81 | 36 | 145 | |

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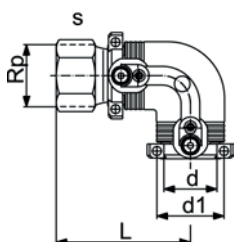


Transition elbow 90° PE/brass (Ms 58) Male thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

| d [mm] | R [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] | |
|-----------|-------------|--------------------|-------|------------|-----------|-----------|--|
| 20 | ½ | 720 100 756 | 0.240 | 31 | 96 | 30 | |
| 25 | ¾ | 720 100 757 | 0.260 | 36 | 97 | 35 | |
| 32 | 1 | 720 100 758 | 0.368 | 44 | 98 | 40 | |
| 32 | 1 ¼ | 720 100 766 | 0.500 | 44 | 100 | 50 | |
| 32 | 1 ½ | 720 100 767 | 0.562 | 44 | 100 | 60 | |
| 40 | 1 | 720 100 771 | 0.511 | 54 | 107 | 50 | |
| 40 | 1 ¼ | 720 100 759 | 0.534 | 54 | 109 | 50 | |
| 40 | 1 ½ | 720 100 772 | 0.615 | 54 | 109 | 60 | |
| 50 | 1 | 720 100 776 | 0.677 | 66 | 116 | 60 | |
| 50 | 1 ¼ | 720 100 777 | 0.771 | 66 | 118 | 60 | |
| 50 | 1 ½ | 720 100 760 | 0.734 | 66 | 118 | 60 | |
| 63 | 1 ¼ | 720 100 782 | 1.040 | 81 | 128 | 70 | |
| 63 | 1 ½ | 720 100 783 | 1.039 | 81 | 128 | 70 | |
| 63 | 2 | 720 100 761 | 1.108 | 81 | 132 | 70 | |

20 10 02

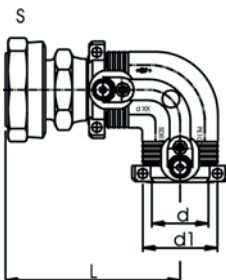


Transition elbow 90° PE/brass (Ms 58) Female thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

| d [mm] | Rp [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] | |
|-----------|--------------|--------------------|-------|------------|-----------|-----------|--|
| 32 | 1 | 720 100 258 | 0.359 | 44 | 89 | 40 | |
| 40 | 1 ¼ | 720 100 259 | 0.525 | 54 | 100 | 50 | |
| 50 | 1 ½ | 720 100 260 | 0.825 | 66 | 109 | 60 | |
| 63 | 1 | 720 100 281 | 1.420 | 81 | 123 | 70 | |
| 63 | 1 ¼ | 720 100 282 | 1.391 | 81 | 123 | 70 | |
| 63 | 1 ½ | 720 100 283 | 1.305 | 81 | 123 | 70 | |
| 63 | 2 | 720 100 261 | 1.165 | 81 | 123 | 70 | |

20 10 00

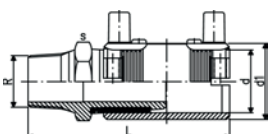


Transition Elbow 90° PE/brass (Ms 58) with loose Nut

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit
- Incl. flat gasket for water applications (KTW / WRAS approved)

| d [mm] | Rp [inch] | Code | kg | d1 [mm] | L [mm] | |
|-----------|--------------|--------------------|-------|------------|-----------|--|
| 25 | ¾ | 720 100 007 | 0.240 | 36 | 90 | |
| 25 | 1 | 720 100 017 | 0.310 | 36 | 92 | |
| 32 | 1 | 720 100 008 | 0.347 | 44 | 91 | |
| 32 | 1 ¼ | 720 100 018 | 0.490 | 44 | 95 | |
| 40 | 1 | 720 100 009 | 0.505 | 54 | 101 | |
| 40 | 1 ¼ | 720 100 019 | 0.565 | 54 | 105 | |
| 40 | 1 ½ | 720 100 029 | 0.635 | 54 | 105 | |
| 50 | 1 | 720 100 020 | 0.760 | 66 | 111 | |
| 50 | 1 ½ | 720 100 010 | 0.850 | 66 | 116 | |
| 50 | 2 | 720 100 040 | 1.060 | 66 | 120 | |
| 63 | 1 | 720 100 021 | 1.114 | 81 | 121 | |
| 63 | 1 ½ | 720 100 041 | 1.210 | 81 | 125 | |
| 63 | 2 | 720 100 011 | 1.375 | 81 | 129 | |

24 92 07

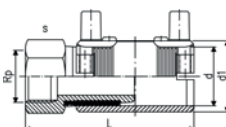


Transition coupler PE/steel (stainless 1.4305) Male thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Delivered as a kit. Further combinations: modular system with threaded adapter and reductions

| d [mm] | R [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] | |
|-----------|-------------|--------------------|-------|------------|-----------|-----------|--|
| 20 | ½ | 724 920 756 | 0.165 | 31 | 110 | 30 | |
| 25 | ¾ | 724 920 757 | 0.249 | 36 | 111 | 35 | |
| 32 | 1 | 724 920 758 | 0.332 | 44 | 117 | 40 | |
| 40 | 1 ¼ | 724 920 759 | 0.464 | 54 | 127 | 50 | |
| 40 | 1 ½ | 724 920 772 | 0.528 | 66 | 143 | 60 | |
| 50 | 1 ½ | 724 920 760 | 0.611 | 66 | 135 | 60 | |
| 63 | 1 ½ | 724 920 771 | 0.904 | 81 | 147 | 70 | |
| 63 | 2 | 724 920 761 | 0.942 | 81 | 147 | 70 | |

24 92 02

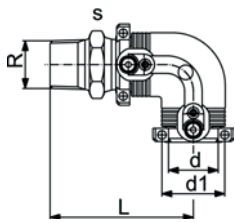


Transition coupler PE/steel (stainless 1.4305) Female thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

| d [mm] | Rp [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] | |
|-----------|--------------|--------------------|-------|------------|-----------|-----------|--|
| 20 | ½ | 724 920 256 | 0.179 | 31 | 100 | 30 | |
| 25 | ¾ | 724 920 257 | 0.231 | 36 | 101 | 35 | |
| 32 | 1 | 724 920 258 | 0.319 | 44 | 108 | 40 | |
| 40 | 1 ¼ | 724 920 259 | 0.480 | 54 | 118 | 50 | |
| 50 | 1 ½ | 724 920 260 | 0.646 | 66 | 126 | 60 | |
| 63 | 2 | 724 920 261 | 0.931 | 81 | 138 | 70 | |

24 10 07

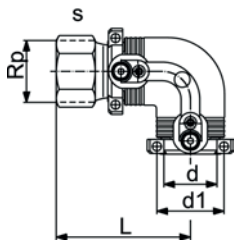


Transition elbow 90° PE/steel (stainless 1.4305) Male thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

| d [mm] | R [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] | |
|-----------|-------------|--------------------|-------|------------|-----------|-----------|--|
| 20 | ½ | 724 100 756 | 0.211 | 31 | 96 | 30 | |
| 25 | ¾ | 724 100 757 | 0.230 | 36 | 97 | 35 | |
| 32 | 1 | 724 100 758 | 0.324 | 44 | 98 | 40 | |
| 40 | 1 ¼ | 724 100 759 | 0.560 | 54 | 109 | 50 | |
| 40 | 1 ½ | 724 100 772 | 0.599 | 54 | 109 | 60 | |
| 50 | 1 ½ | 724 100 760 | 0.701 | 66 | 118 | 60 | |
| 63 | 1 ½ | 724 100 771 | 0.986 | 81 | 132 | 70 | |
| 63 | 2 | 724 100 761 | 1.105 | 81 | 132 | 70 | |

24 10 02



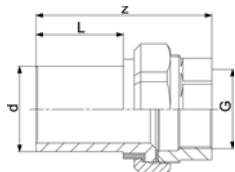
Transition elbow 90° PE/steel (stainless 1.4305) Female thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

| d [mm] | Rp [inch] | Code | kg | d1 [mm] | L [mm] | s [mm] | |
|-----------|--------------|--------------------|-------|------------|-----------|-----------|--|
| 20 | ½ | 724 100 256 | 0.211 | 31 | 86 | 30 | |
| 25 | ¾ | 724 100 257 | 0.237 | 36 | 87 | 35 | |
| 32 | 1 | 724 100 258 | 0.320 | 44 | 89 | 40 | |
| 40 | 1 ¼ | 724 100 259 | 0.545 | 54 | 100 | 50 | |
| 50 | 1 ½ | 724 100 260 | 0.805 | 66 | 109 | 60 | |
| 63 | 2 | 724 100 261 | 1.020 | 81 | 123 | 70 | |

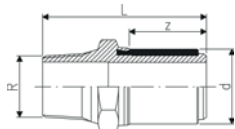
Union adaptor

- With female thread and PE-union end
- The Code Nr. includes the entire union (galvanised)
- PE 100 SDR 11 (ISO S5)



| d [mm] | Rp [inch] | Code | kg | L [mm] | L2 [mm] | SW1 [mm] | G [inch] | |
|-----------|--------------|--------------------|-------|-----------|------------|-------------|-------------|--|
| 20 | ½ | 701 485 560 | 0.152 | 94 | 52 | 27 | 1 | |
| 25 | ¾ | 701 485 561 | 0.252 | 100 | 52 | 32 | 1 1/4 | |
| 32 | 1 | 701 485 562 | 0.333 | 108 | 54 | 34 | 1 1/2 | |
| 40 | 1 ¼ | 701 485 563 | 0.563 | 114 | 57 | 43 | 2 | |
| 50 | 1 ½ | 701 485 564 | 0.765 | 124 | 65 | 50 | 2 1/4 | |
| 63 | 2 | 701 485 565 | 1.054 | 134 | 65 | 61 | 2 3/4 | |

24 92 07

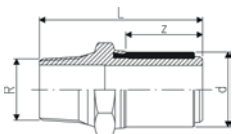


Transition adaptor PE/steel (stainless 1.4305) Male thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings

| d [mm] | R [inch] | Code | kg | L [mm] | z [mm] | |
|-----------|-------------|--------------------|-------|-----------|-----------|--|
| 20 | ½ | 724 920 706 | 0.120 | 75 | 33 | |
| 25 | ¾ | 724 920 707 | 0.179 | 76 | 33 | |
| 32 | 1 | 724 920 708 | 0.244 | 80 | 35 | |
| 40 | 1 ¼ | 724 920 709 | 0.390 | 86 | 39 | |
| 40 | 1 ½ | 724 920 719 | 0.446 | 86 | 39 | |

table continued next page



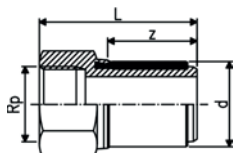
| d [mm] | R [inch] | Code | kg | L [mm] | z [mm] | |
|-----------|-------------|--------------------|-------|-----------|-----------|--|
| 50 | 1 ½ | 724 920 710 | 0.478 | 90 | 43 | |
| 63 | 1 ½ | 724 920 721 | 0.653 | 98 | 47 | |
| 63 | 2 | 724 920 711 | 0.722 | 98 | 47 | |

24 92 02



Transition adaptor PE/steel (stainless 1.4305) Female thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings



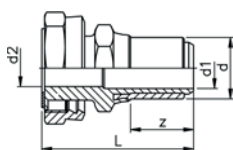
| d [mm] | Rp [inch] | Code | kg | L [mm] | z [mm] | |
|-----------|--------------|--------------------|-------|-----------|-----------|--|
| 20 | ½ | 724 920 206 | 0.128 | 65 | 33 | |
| 25 | ¾ | 724 920 207 | 0.181 | 66 | 33 | |
| 32 | 1 | 724 920 208 | 0.237 | 71 | 35 | |
| 40 | 1 ¼ | 724 920 209 | 0.373 | 77 | 39 | |
| 50 | 1 ½ | 724 920 210 | 0.527 | 81 | 43 | |
| 63 | 2 | 724 920 211 | 0.733 | 89 | 47 | |

20 92 00



Transition adaptor PE/brass Loose nut (Ms 58)

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- Only for ELGEF Plus Couplers and Fittings
- Incl. flat gasket for water applications (KTW / WRAS approved)



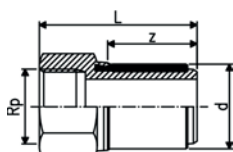
| d [mm] | Rp [inch] | Code | kg | d2 [mm] | L [mm] | z [mm] | |
|-----------|--------------|--------------------|-------|------------|-----------|-----------|--|
| 25 | ¾ | 720 920 007 | 0.152 | 15 | 68 | 32 | |
| 25 | 1 | 720 920 017 | 0.223 | 16 | 70 | 32 | |
| 32 | 1 | 720 920 008 | 0.235 | 20 | 72 | 34 | |
| 32 | 1 ¼ | 720 920 018 | 0.356 | 22 | 76 | 34 | |
| 32 | 1 ½ | 720 920 028 | 0.355 | 22 | 76 | 34 | |
| 40 | 1 | 720 920 009 | 0.341 | 21 | 77 | 38 | |
| 40 | 1 ¼ | 720 920 019 | 0.401 | 25 | 81 | 38 | |
| 40 | 1 ½ | 720 920 029 | 0.471 | 28 | 81 | 38 | |
| 50 | 1 | 720 920 020 | 0.517 | 20 | 82 | 42 | |
| 50 | 1 ¼ | 720 920 030 | 0.549 | 25 | 87 | 42 | |
| 50 | 1 ½ | 720 920 010 | 0.584 | 29 | 87 | 42 | |
| 50 | 2 | 720 920 040 | 0.808 | 36 | 91 | 42 | |
| 63 | 1 | 720 920 021 | 0.804 | 20 | 87 | 46 | |
| 63 | 1 ¼ | 720 920 031 | 0.850 | 25 | 91 | 46 | |
| 63 | 1 ½ | 720 920 041 | 0.847 | 29 | 91 | 46 | |
| 63 | 2 | 720 920 011 | 1.018 | 36 | 95 | 46 | |

20 92 02



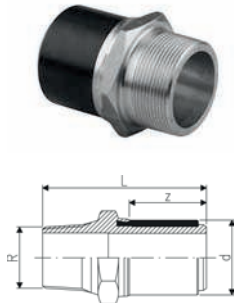
Transition adaptor PE/brass (Ms 58) Female thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings



| d [mm] | Rp [inch] | Code | kg | L [mm] | z [mm] | |
|-----------|--------------|--------------------|-------|-----------|-----------|--|
| 32 | 1 | 720 920 208 | 0.250 | 71 | 35 | |
| 40 | 1 ¼ | 720 920 209 | 0.386 | 77 | 39 | |
| 50 | 1 ½ | 720 920 210 | 0.594 | 81 | 43 | |
| 63 | 1 | 720 920 221 | 1.100 | 89 | 47 | |
| 63 | 1 ¼ | 720 920 231 | 1.062 | 89 | 47 | |
| 63 | 1 ½ | 720 920 241 | 0.958 | 89 | 47 | |
| 63 | 2 | 720 920 211 | 0.832 | 89 | 47 | |

20 92 07



Transition adaptor PE/brass (Ms 58) Male thread

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings

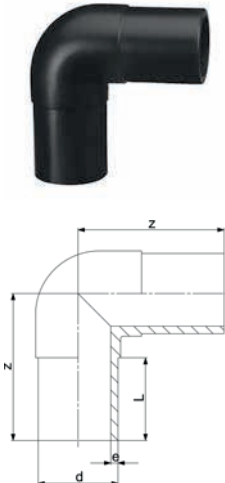
| d [mm] | R [inch] | Code | kg | L [mm] | z [mm] | |
|-----------|-------------|--------------------|-------|-----------|-----------|--|
| 20 | 1/2 | 720 920 706 | 0.133 | 75 | 33 | |
| 25 | 3/4 | 720 920 707 | 0.182 | 76 | 33 | |
| 32 | 1 | 720 920 708 | 0.257 | 80 | 35 | |
| 32 | 1 1/4 | 720 920 718 | 0.370 | 82 | 35 | |
| 32 | 1 1/2 | 720 920 728 | 0.437 | 82 | 35 | |
| 40 | 1 | 720 920 719 | 0.358 | 84 | 39 | |
| 40 | 1 1/4 | 720 920 709 | 0.410 | 86 | 39 | |
| 40 | 1 1/2 | 720 920 729 | 0.454 | 86 | 39 | |
| 50 | 1 | 720 920 720 | 0.505 | 88 | 43 | |
| 50 | 1 1/4 | 720 920 730 | 0.539 | 90 | 43 | |
| 50 | 1 1/2 | 720 920 710 | 0.514 | 90 | 43 | |
| 63 | 1 1/4 | 720 920 721 | 0.739 | 94 | 47 | |
| 63 | 1 1/2 | 720 920 731 | 0.709 | 94 | 47 | |
| 63 | 2 | 720 920 711 | 0.762 | 98 | 47 | |

Spigot Fittings for Electrofusion

Elbow 90° PE100 SDR11

53 10 10

- Long spigot version
- 10 bar Gas / 16 bar Water

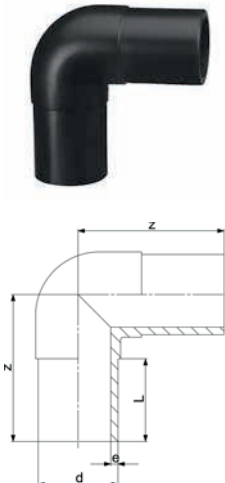


| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|--------|-----------|-----------|-----------|--------------|--|
| 20 | 753 101 006 | 0.027 | 75 | 52 | 3.0 | 2 51 301 001 | |
| 25 | 753 101 007 | 0.040 | 80 | 52 | 3.0 | 2 51 301 001 | |
| 32 | 753 101 008 | 0.056 | 85 | 54 | 3.0 | 2 51 301 001 | |
| 40 | 753 101 009 | 0.089 | 95 | 57 | 3.7 | 2 51 301 001 | |
| 50 | 753 101 010 | 0.156 | 105 | 63 | 4.6 | 2 51 301 001 | |
| 63 | 753 101 011 | 0.274 | 115 | 65 | 5.8 | 2 51 301 001 | |
| 75 | 753 101 012 | 0.414 | 130 | 72 | 6.8 | 2 51 301 001 | |
| 90 | 753 101 013 | 0.704 | 150 | 81 | 8.2 | 2 51 301 001 | |
| 110 | 753 101 014 | 1.158 | 165 | 86 | 10.0 | 2 51 301 001 | |
| 125 | 753 101 015 | 1.609 | 180 | 93 | 11.4 | 2 51 301 001 | |
| 140 | 753 101 016 | 2.222 | 194 | 92 | 12.7 | 2 51 301 001 | |
| 160 | 753 101 017 | 3.100 | 210 | 103 | 14.6 | 2 51 301 001 | |
| 180 | 753 101 018 | 4.328 | 232 | 107 | 16.4 | 2 51 301 001 | |
| 200 | 753 101 019 | 5.739 | 253 | 117 | 18.2 | 2 51 301 001 | |
| 225 | 753 101 020 | 7.775 | 270 | 122 | 20.5 | 2 51 301 001 | |
| 250 | 753 101 001 | 10.506 | 292 | 130 | 22.7 | 2 51 301 002 | |
| 280 | 753 100 922 | 15.059 | 320 | 140 | 25.4 | 2 51 301 002 | |
| 315 | 753 100 923 | 21.960 | 370 | 150 | 28.6 | 2 51 301 002 | |

53 10 08

Elbow 90° PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water

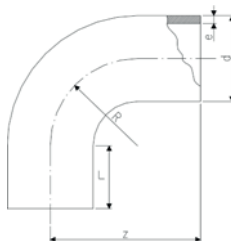


| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|--------|-----------|-----------|-----------|--------------|--|
| 90 | 753 100 813 | 0.543 | 150 | 81 | 5,4 | 2 51 301 001 | |
| 110 | 753 100 814 | 0.876 | 165 | 86 | 6,6 | 2 51 301 001 | |
| 125 | 753 100 815 | 0.927 | 180 | 93 | 7,4 | 2 51 301 001 | |
| 140 | 753 100 816 | 1.547 | 194 | 92 | 8,3 | 2 51 301 001 | |
| 160 | 753 100 817 | 2.385 | 210 | 102 | 9,5 | 2 51 301 001 | |
| 180 | 753 100 818 | 3.205 | 232 | 107 | 10,7 | 2 51 301 001 | |
| 200 | 753 100 819 | 4.298 | 253 | 115 | 11,9 | 2 51 301 001 | |
| 225 | 753 100 820 | 5.864 | 270 | 120 | 13,4 | 2 51 301 001 | |
| 250 | 753 100 821 | 8.000 | 292 | 130 | 14,8 | 2 51 301 002 | |
| 280 | 753 100 822 | 11.328 | 320 | 140 | 16,6 | 2 51 301 002 | |
| 315 | 753 100 823 | 15.877 | 370 | 150 | 18,7 | 2 51 301 002 | |

53 00 09

Bend 90° PE100 SDR11

- Long spigot version
 - 10 bar Gas / 16 bar Water
 - bends made out of seamless pipe shall not be shortened
- * made out of seamless pipe

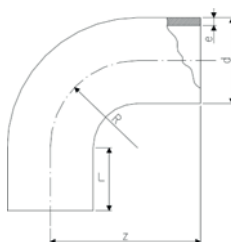


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 32 | 753 001 008 | 0.050 | 78 | 46 | 32 | 2,9 | |
| 40 | 753 001 009 | 0.090 | 91 | 49 | 40 | 3,7 | |
| 50 | 753 001 010 | 0.160 | 107 | 55 | 50 | 4,6 | |
| 63 | 753 001 011 | 0.280 | 130 | 63 | 63 | 5,8 | |
| 75 | 753 001 012 | 0.464 | 152 | 70 | 75 | 6,8 | |
| 90 | 753 001 013 | 0.530 | 168 | 79 | 90 | 8,2 | |
| 110 | 753 001 014 | 1.282 | 193 | 82 | 110 | 10,0 | |
| 125 | 753 001 015 | 1.290 | 216 | 87 | 125 | 11,4 | |
| 140 | 753 001 016 | 2.230 | 232 | 92 | 140 | 12,7 | |
| 160 | 753 001 017 | 3.424 | 258 | 98 | 160 | 14,6 | |
| 180 | 753 001 018 | 5.000 | 290 | 105 | 180 | 16,4 | |
| 200 | 753 001 019 | 6.925 | 317 | 112 | 200 | 18,2 | |
| 225 | 753 001 020 | 9.770 | 350 | 120 | 225 | 20,5 | |
| 250 | 753 001 021 | 9.230 | 375 | 130 | 250 | 22,7 | |
| 280 | 753 001 022 | 15.487 | 430 | 150 | 280 | 25,4 | |
| 315 | 753 001 023 | 23.950 | 470 | 150 | 315 | 28,6 | |
| * 355 | 753 001 024 | 53.300 | 900 | 250 | 533 | 32,3 | |
| * 400 | 753 001 025 | 71.900 | 980 | 250 | 600 | 36,4 | |
| * 450 | 753 001 026 | 97.300 | 1070 | 250 | 675 | 40,9 | |
| * 500 | 753 001 027 | 134.000 | 1200 | 280 | 750 | 45,5 | |
| * 560 | 753 001 028 | 179.300 | 1290 | 280 | 840 | 50,9 | |
| * 630 | 753 001 029 | 243.200 | 1400 | 280 | 945 | 57,3 | |
| * 710 | 753 001 030 | 469.943 | 2200 | 570 | 1630 | 64,5 | |
| * 800 | 753 001 031 | 577.131 | 2200 | 480 | 1720 | 72,6 | |

53 00 08

Bend 90° PE100 SDR17

- Long spigot version
 - 5 bar Gas / 10 bar Water
 - bends made out of seamless pipe shall not be shortened
- * made out of seamless pipe

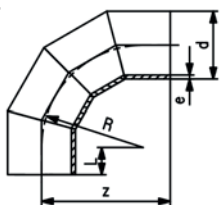


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 90 | 753 000 813 | 0.521 | 168 | 79 | 90 | 5,4 | |
| 110 | 753 000 814 | 0.465 | 193 | 82 | 110 | 6,6 | |
| 125 | 753 000 815 | 1.300 | 216 | 87 | 125 | 7,4 | |
| 140 | 753 000 816 | 1.789 | 232 | 92 | 140 | 8,3 | |
| 160 | 753 000 817 | 2.410 | 258 | 98 | 160 | 9,5 | |
| 180 | 753 000 818 | 4.000 | 290 | 105 | 180 | 10,7 | |
| 200 | 753 000 819 | 6.500 | 317 | 112 | 200 | 11,9 | |
| 225 | 753 000 820 | 6.414 | 350 | 120 | 225 | 13,4 | |
| 250 | 753 000 821 | 9.940 | 375 | 130 | 250 | 14,8 | |
| 280 | 753 000 822 | 13.795 | 430 | 150 | 280 | 16,6 | |
| 315 | 753 000 823 | 24.000 | 470 | 150 | 315 | 18,7 | |
| * 355 | 753 000 824 | 36.700 | 900 | 250 | 533 | 21,1 | |
| * 400 | 753 000 825 | 49.700 | 980 | 250 | 600 | 23,7 | |
| * 450 | 753 000 826 | 66.600 | 1070 | 250 | 675 | 26,7 | |
| * 500 | 753 000 827 | 87.400 | 1200 | 280 | 750 | 29,7 | |
| * 560 | 753 000 828 | 116.000 | 1290 | 280 | 840 | 33,2 | |
| * 630 | 753 000 829 | 159.600 | 1400 | 280 | 945 | 37,4 | |
| * 710 | 753 000 830 | 317.382 | 2200 | 570 | 1630 | 42,1 | |
| * 800 | 753 000 831 | 389.859 | 2200 | 480 | 1720 | 47,4 | |

53 00 08

Bend 90° PE100 SDR17**Model:**

- Long spigot
- Conventional butt-welding according to DVS 2207 part 1
- Production process: segment welded
- Segment-welded fittings have a pressure reduction factor of 0.8
- 8 bar water

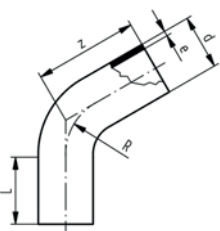


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 710 | 753 002 001 | 202.419 | 1415 | 350 | 1065 | 42.1 | |
| 800 | 753 002 002 | 279.918 | 1550 | 350 | 1200 | 47.4 | |
| 900 | 753 002 003 | 386.595 | 1700 | 350 | 1350 | 53.3 | |
| 1000 | 753 002 004 | 534.660 | 1900 | 400 | 1500 | 59.3 | |

53 07 10

Bend 60° PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

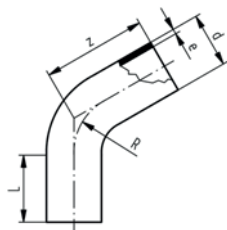


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 32 | 753 071 008 | 0.070 | 128 | 80 | 48 | 2,9 | |
| 40 | 753 071 009 | 0.120 | 135 | 80 | 60 | 3,7 | |
| 50 | 753 071 010 | 0.240 | 158 | 100 | 75 | 4,6 | |
| 63 | 753 071 011 | 0.420 | 173 | 100 | 95 | 5,8 | |
| 75 | 753 071 012 | 0.600 | 182 | 100 | 113 | 6,8 | |
| 90 | 753 071 013 | 0.900 | 193 | 100 | 135 | 8,2 | |
| 110 | 753 071 014 | 1.780 | 270 | 150 | 165 | 10,0 | |
| 125 | 753 071 015 | 2.500 | 283 | 150 | 188 | 11,4 | |
| 140 | 753 071 016 | 2.700 | 296 | 150 | 210 | 12,7 | |
| 160 | 753 071 017 | 4.574 | 313 | 150 | 240 | 14,6 | |
| 180 | 753 071 018 | 4.900 | 330 | 150 | 270 | 16,4 | |
| 200 | 753 071 019 | 6.400 | 348 | 150 | 300 | 18,2 | |
| 225 | 753 071 020 | 8.600 | 370 | 150 | 338 | 20,5 | |
| 250 | 753 071 021 | 14.500 | 500 | 250 | 375 | 22,7 | |
| 280 | 753 071 022 | 19.100 | 530 | 250 | 420 | 25,4 | |
| 315 | 753 071 023 | 25.600 | 612 | 250 | 473 | 28,6 | |
| 355 | 753 071 024 | 41.700 | 690 | 300 | 533 | 32,3 | |
| 400 | 753 071 025 | 55.800 | 730 | 300 | 600 | 36,4 | |
| 450 | 753 071 026 | 76.000 | 780 | 300 | 675 | 40,9 | |
| 500 | 753 071 027 | 104.600 | 880 | 350 | 750 | 45,5 | |
| 560 | 753 071 028 | 139.500 | 930 | 350 | 840 | 50,9 | |
| 630 | 753 071 029 | 188.500 | 1000 | 350 | 945 | 57,3 | |

53 07 08

Bend 60° PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

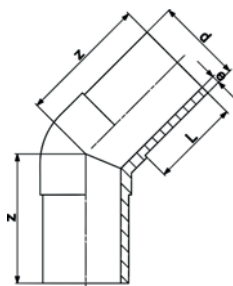


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 90 | 753 070 813 | 0.600 | 193 | 100 | 135 | 5,4 | |
| 110 | 753 070 814 | 1.280 | 270 | 150 | 165 | 6,6 | |
| 125 | 753 070 815 | 1.300 | 283 | 150 | 187 | 7,4 | |
| 140 | 753 070 816 | 1.800 | 296 | 150 | 210 | 8,3 | |
| 160 | 753 070 817 | 3.160 | 313 | 150 | 240 | 9,5 | |
| 180 | 753 070 818 | 3.190 | 330 | 150 | 270 | 10,7 | |
| 200 | 753 070 819 | 4.200 | 348 | 150 | 300 | 11,9 | |
| 225 | 753 070 820 | 5.600 | 370 | 150 | 337 | 13,4 | |
| 250 | 753 070 821 | 9.250 | 500 | 250 | 375 | 14,8 | |
| 280 | 753 070 822 | 15.000 | 530 | 250 | 420 | 16,6 | |
| 315 | 753 070 823 | 19.500 | 612 | 250 | 472 | 18,7 | |
| 355 | 753 070 824 | 30.100 | 690 | 300 | 532 | 21,1 | |
| 400 | 753 070 825 | 38.200 | 730 | 300 | 600 | 23,7 | |
| 450 | 753 070 826 | 53.700 | 780 | 300 | 675 | 26,7 | |
| 500 | 753 070 827 | 73.900 | 880 | 350 | 750 | 29,7 | |
| 560 | 753 070 828 | 98.200 | 930 | 350 | 840 | 33,2 | |
| 630 | 753 070 829 | 132.300 | 1000 | 350 | 945 | 37,4 | |

53 15 10

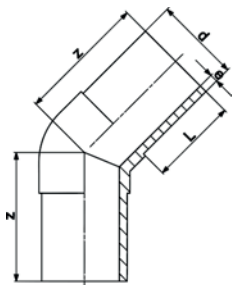
Elbow 45° PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water



| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|--------|-----------|-----------|-----------|--------------|--|
| 20 | 753 151 006 | 0.027 | 70 | 52 | 3,0 | 2 51 301 001 | |
| 25 | 753 151 007 | 0.037 | 75 | 52 | 3,0 | 2 51 301 001 | |
| 32 | 753 151 008 | 0.050 | 80 | 54 | 3,0 | 2 51 301 001 | |
| 40 | 753 151 009 | 0.086 | 85 | 57 | 3,7 | 2 51 301 001 | |
| 50 | 753 151 010 | 0.133 | 90 | 63 | 4,6 | 2 51 301 001 | |
| 63 | 753 151 011 | 0.227 | 95 | 65 | 5,8 | 2 51 301 001 | |
| 75 | 753 151 012 | 0.350 | 105 | 72 | 6,8 | 2 51 301 001 | |
| 90 | 753 151 013 | 0.565 | 120 | 81 | 8,2 | 2 51 301 001 | |
| 110 | 753 151 014 | 0.921 | 130 | 86 | 10,0 | 2 51 301 001 | |
| 125 | 753 151 015 | 1.290 | 140 | 92 | 11,4 | 2 51 301 001 | |
| 140 | 753 151 016 | 1.796 | 164 | 120 | 12,7 | 2 51 301 001 | |
| 160 | 753 151 017 | 2.454 | 162 | 102 | 14,6 | 2 51 301 001 | |
| 180 | 753 151 018 | 3.274 | 170 | 107 | 16,4 | 2 51 301 001 | |
| 200 | 753 151 019 | 4.362 | 186 | 116 | 18,2 | 2 51 301 001 | |
| 225 | 753 151 020 | 5.981 | 200 | 123 | 20,5 | 2 51 301 001 | |
| 250 | 753 151 021 | 8.283 | 220 | 130 | 22,7 | 2 51 301 002 | |
| 280 | 753 150 922 | 10.285 | 230 | 140 | 25,4 | 2 51 301 002 | |
| 315 | 753 150 923 | 14.124 | 250 | 150 | 28,6 | 2 51 301 002 | |

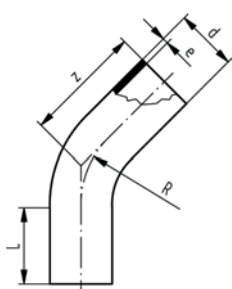
53 15 08

**Elbow 45° PE100 SDR17/17,6**

- Long spigot version
- 5 bar Gas / 10 bar Water

| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|--------|-----------|-----------|-----------|--------------|--|
| 90 | 753 150 813 | 0.411 | 120 | 81 | 5,4 | 2 51 301 001 | |
| 110 | 753 150 814 | 0.686 | 130 | 86 | 6,6 | 2 51 301 001 | |
| 125 | 753 150 815 | 0.948 | 140 | 92 | 7,4 | 2 51 301 001 | |
| 140 | 753 150 816 | 1.259 | 164 | 120 | 8,3 | 2 51 301 001 | |
| 160 | 753 150 817 | 1.901 | 162 | 102 | 9,5 | 2 51 301 001 | |
| 180 | 753 150 818 | 2.386 | 170 | 107 | 10,7 | 2 51 301 001 | |
| 200 | 753 150 819 | 3.153 | 186 | 116 | 11,9 | 2 51 301 001 | |
| 225 | 753 150 820 | 4.441 | 205 | 123 | 13,4 | 2 51 301 001 | |
| 250 | 753 150 821 | 6.012 | 217 | 130 | 14,8 | 2 51 301 002 | |
| 280 | 753 150 822 | 7.489 | 230 | 140 | 16,6 | 2 51 301 002 | |
| 315 | 753 150 823 | 10.123 | 250 | 150 | 18,7 | 2 51 301 002 | |

53 05 10

**Bend 45° PE100 SDR11**

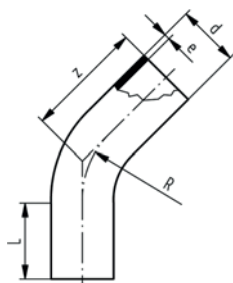
- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 32 | 753 051 008 | 0.077 | 120 | 80 | 48 | 2,9 | |
| 40 | 753 051 009 | 0.120 | 120 | 80 | 60 | 3,7 | |
| 50 | 753 051 010 | 0.240 | 149 | 100 | 75 | 4,6 | |
| 63 | 753 051 011 | 0.360 | 161 | 100 | 95 | 5,8 | |
| 75 | 753 051 012 | 0.560 | 168 | 100 | 113 | 6,8 | |
| 90 | 753 051 013 | 0.760 | 177 | 100 | 135 | 8,2 | |
| 110 | 753 051 014 | 1.700 | 243 | 150 | 165 | 10,0 | |
| 125 | 753 051 015 | 2.186 | 253 | 150 | 188 | 11,4 | |
| 140 | 753 051 016 | 2.800 | 262 | 150 | 210 | 12,7 | |
| 160 | 753 051 017 | 3.800 | 274 | 160 | 240 | 14,6 | |
| 180 | 753 051 018 | 5.140 | 287 | 150 | 270 | 16,4 | |
| 200 | 753 051 019 | 7.058 | 299 | 150 | 300 | 18,2 | |
| 225 | 753 051 020 | 7.400 | 315 | 150 | 338 | 20,5 | |
| 250 | 753 051 021 | 13.000 | 440 | 250 | 375 | 22,7 | |
| 280 | 753 051 022 | 22.000 | 460 | 250 | 420 | 25,4 | |
| 315 | 753 051 023 | 24.930 | 535 | 250 | 473 | 28,6 | |
| 355 | 753 051 024 | 39.500 | 620 | 300 | 533 | 32,3 | |
| 400 | 753 051 025 | 48.500 | 650 | 300 | 600 | 36,4 | |
| 450 | 753 051 026 | 69.800 | 680 | 300 | 675 | 40,9 | |
| 500 | 753 051 027 | 96.300 | 760 | 350 | 750 | 45,5 | |
| 560 | 753 051 028 | 129.800 | 800 | 350 | 840 | 50,9 | |
| 630 | 753 051 029 | 174.000 | 870 | 350 | 945 | 57,3 | |

53 05 08

Bend 45° PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

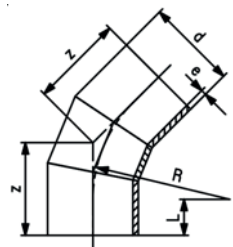


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|--------|-----------|-----------|-----------|-----------|--|
| 90 | 753 050 813 | 0.600 | 177 | 100 | 135 | 5,4 | |
| 110 | 753 050 814 | 1.208 | 243 | 150 | 165 | 6,6 | |
| 125 | 753 050 815 | 1.540 | 253 | 150 | 188 | 7,4 | |
| 140 | 753 050 816 | 1.720 | 262 | 150 | 210 | 8,3 | |
| 160 | 753 050 817 | 2.200 | 274 | 150 | 240 | 9,5 | |
| 180 | 753 050 818 | 3.000 | 287 | 150 | 270 | 10,7 | |
| 200 | 753 050 819 | 3.700 | 299 | 150 | 300 | 11,9 | |
| 225 | 753 050 820 | 5.000 | 315 | 150 | 338 | 13,4 | |
| 250 | 753 050 821 | 10.691 | 440 | 250 | 375 | 14,8 | |
| 280 | 753 050 822 | 15.000 | 460 | 250 | 420 | 16,6 | |
| 315 | 753 050 823 | 17.800 | 535 | 250 | 473 | 18,7 | |
| 355 | 753 050 824 | 25.600 | 620 | 300 | 533 | 21,1 | |
| 400 | 753 050 825 | 36.600 | 650 | 300 | 600 | 23,7 | |
| 450 | 753 050 826 | 45.300 | 680 | 300 | 675 | 26,7 | |
| 500 | 753 050 827 | 62.400 | 760 | 350 | 750 | 29,7 | |
| 560 | 753 050 828 | 81.900 | 800 | 350 | 840 | 33,2 | |
| 630 | 753 050 829 | 62.400 | 870 | 350 | 945 | 37,4 | |

53 05 08

Bend 45° PE100 SDR17/17,6**Model:**

- Long spigot
- Conventional butt-welding according to DVS 2207 part 1
- Production process: segment welded
- Segment-welded fittings have a pressure reduction factor of 0.8
- 8 bar water

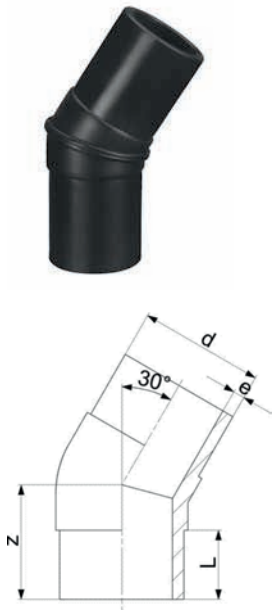


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 710 | 753 003 001 | 129.998 | 792 | 350 | 1065 | 42.1 | |
| 800 | 753 003 002 | 176.165 | 847 | 350 | 1200 | 47.4 | |
| 900 | 753 003 003 | 252.638 | 960 | 350 | 1350 | 53.3 | |
| 1000 | 753 003 004 | 332.107 | 1022 | 400 | 1500 | 59.3 | |

53 12 09

Elbow 30° PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- Welded design

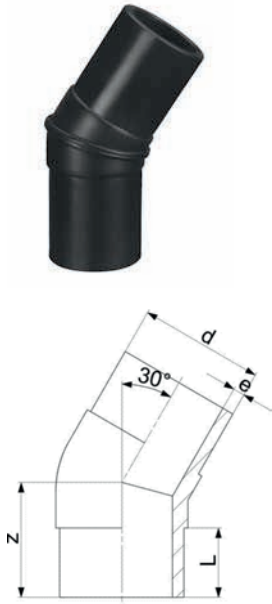


| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | |
|-----------|--------------------|--------|-----------|-----------|-----------|--|
| 32 | 753 120 908 | 0.530 | 70 | 54 | 3,0 | |
| 40 | 753 120 909 | 0.530 | 80 | 57 | 3,7 | |
| 50 | 753 120 910 | 0.121 | 80 | 63 | 4,6 | |
| 63 | 753 120 911 | 0.207 | 80 | 65 | 5,8 | |
| 75 | 753 120 912 | 0.311 | 90 | 72 | 6,8 | |
| 90 | 753 120 913 | 0.540 | 100 | 81 | 8,2 | |
| 110 | 753 120 914 | 0.840 | 105 | 86 | 10,0 | |
| 125 | 753 120 915 | 1.174 | 115 | 92 | 11,4 | |
| 140 | 753 120 916 | 1.760 | 135 | 92 | 12,7 | |
| 160 | 753 120 917 | 2.155 | 130 | 102 | 14,6 | |
| 180 | 753 120 918 | 2.911 | 140 | 107 | 16,4 | |
| 200 | 753 120 919 | 3.892 | 150 | 116 | 18,2 | |
| 225 | 753 120 920 | 5.332 | 165 | 123 | 20,5 | |
| 250 | 753 120 921 | 7.307 | 190 | 130 | 22,7 | |
| 280 | 753 120 922 | 10.600 | 200 | 139 | 25,4 | |
| 315 | 753 120 923 | 12.775 | 200 | 150 | 28,6 | |

53 12 08

Elbow 30° PE100 SDR17

- Long spigot version
- 5 bar Gas / 10 bar Water
- Welded design

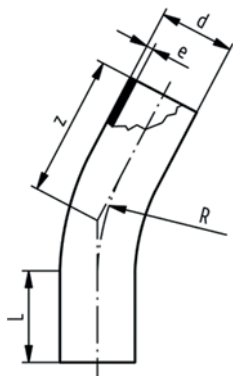


| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | |
|-----------|--------------------|-------|-----------|-----------|-----------|--|
| 90 | 753 120 813 | 0.363 | 110 | 81 | 5,4 | |
| 110 | 753 120 814 | 0.607 | 115 | 86 | 6,6 | |
| 125 | 753 120 815 | 0.819 | 125 | 92 | 7,4 | |
| 140 | 753 120 816 | 1.112 | 150 | 92 | 8,3 | |
| 160 | 753 120 817 | 1.526 | 140 | 102 | 9,5 | |
| 180 | 753 120 818 | 2.040 | 150 | 107 | 10,7 | |
| 200 | 753 120 819 | 2.780 | 160 | 116 | 11,9 | |
| 225 | 753 120 820 | 3.798 | 180 | 123 | 13,4 | |
| 250 | 753 120 821 | 5.830 | 200 | 130 | 14,8 | |
| 280 | 753 120 822 | 8.100 | 200 | 139 | 16,6 | |
| 315 | 753 120 823 | 8.655 | 220 | 150 | 18,7 | |

53 06 10

Bend 30° PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

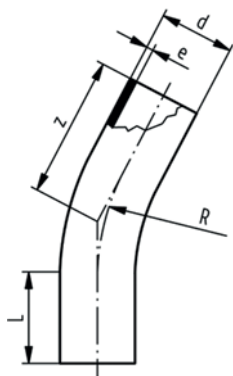


| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 32 | 753 061 008 | 0.077 | 113 | 80 | 48 | 2,9 | |
| 40 | 753 061 009 | 0.120 | 116 | 80 | 60 | 3,7 | |
| 50 | 753 061 010 | 0.200 | 140 | 100 | 75 | 4,6 | |
| 63 | 753 061 011 | 0.400 | 150 | 100 | 95 | 5,8 | |
| 75 | 753 061 012 | 0.520 | 155 | 100 | 113 | 6,8 | |
| 90 | 753 061 013 | 0.760 | 160 | 100 | 135 | 8,2 | |
| 110 | 753 061 014 | 1.689 | 219 | 150 | 165 | 10,0 | |
| 125 | 753 061 015 | 2.065 | 225 | 150 | 188 | 11,4 | |
| 140 | 753 061 016 | 2.200 | 231 | 150 | 210 | 12,7 | |
| 160 | 753 061 017 | 3.650 | 239 | 150 | 240 | 14,6 | |
| 180 | 753 061 018 | 4.782 | 247 | 150 | 270 | 16,4 | |
| 200 | 753 061 019 | 5.777 | 255 | 150 | 300 | 18,2 | |
| 225 | 753 061 020 | 6.300 | 266 | 150 | 338 | 20,5 | |
| 250 | 753 061 021 | 13.100 | 385 | 250 | 375 | 22,7 | |
| 280 | 753 061 022 | 16.300 | 400 | 250 | 420 | 25,4 | |
| 315 | 753 061 023 | 21.850 | 460 | 250 | 473 | 28,6 | |
| 355 | 753 061 024 | 34.900 | 540 | 300 | 533 | 32,3 | |
| 400 | 753 061 025 | 45.900 | 560 | 300 | 600 | 36,4 | |
| 450 | 753 061 026 | 60.200 | 580 | 300 | 675 | 40,9 | |
| 500 | 753 061 027 | 83.300 | 630 | 350 | 750 | 45,5 | |
| 560 | 753 061 028 | 108.600 | 680 | 350 | 840 | 50,9 | |
| 630 | 753 061 029 | 148.300 | 730 | 350 | 945 | 57,3 | |

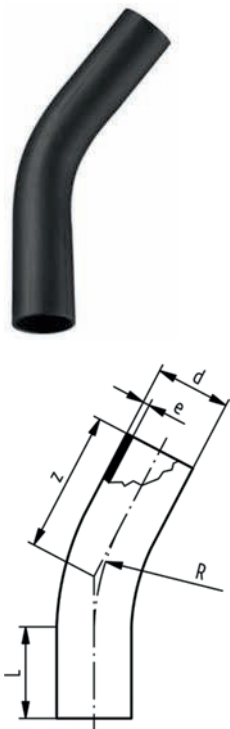
53 06 08

Bend 30° PE100 SDR17

- Long spigot version
- 5 bar Gas / 10 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened



| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|--------|-----------|-----------|-----------|-----------|--|
| 90 | 753 060 813 | 0.500 | 160 | 100 | 135 | 5,4 | |
| 110 | 753 060 814 | 1.060 | 219 | 150 | 165 | 6,6 | |
| 125 | 753 060 815 | 1.100 | 225 | 150 | 188 | 7,4 | |
| 140 | 753 060 816 | 1.720 | 231 | 150 | 210 | 8,3 | |
| 160 | 753 060 817 | 2.565 | 239 | 150 | 240 | 9,5 | |
| 180 | 753 060 818 | 3.389 | 247 | 150 | 270 | 10,7 | |
| 200 | 753 060 819 | 4.213 | 255 | 150 | 300 | 11,9 | |
| 225 | 753 060 820 | 7.540 | 266 | 150 | 338 | 13,4 | |
| 250 | 753 060 821 | 11.600 | 385 | 250 | 375 | 14,8 | |
| 280 | 753 060 822 | 12.800 | 400 | 250 | 420 | 16,6 | |
| 315 | 753 060 823 | 25.000 | 460 | 250 | 473 | 18,7 | |
| 355 | 753 060 824 | 22.700 | 540 | 300 | 533 | 21,1 | |
| 400 | 753 060 825 | 29.800 | 560 | 300 | 600 | 23,7 | |
| 450 | 753 060 826 | 39.100 | 580 | 300 | 675 | 26,7 | |
| 500 | 753 060 827 | 54.000 | 650 | 350 | 750 | 29,7 | |
| 560 | 753 060 828 | 70.300 | 680 | 350 | 840 | 33,2 | |
| 630 | 753 060 829 | 95.800 | 730 | 350 | 945 | 37,4 | |



Bend 22° PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|--|
| 32 | 753 081 008 | 0.077 | 113 | 80 | 48 | 2,9 | |
| 40 | 753 081 009 | 0.120 | 116 | 80 | 60 | 3,7 | |
| 50 | 753 081 010 | 0.200 | 140 | 100 | 75 | 4,6 | |
| 63 | 753 081 011 | 0.400 | 150 | 100 | 95 | 5,8 | |
| 75 | 753 081 012 | 0.520 | 155 | 100 | 113 | 6,8 | |
| 90 | 753 081 013 | 0.760 | 160 | 100 | 135 | 8,2 | |
| 110 | 753 081 014 | 1.500 | 219 | 150 | 165 | 10,0 | |
| 125 | 753 081 015 | 2.000 | 225 | 150 | 188 | 11,4 | |
| 140 | 753 081 016 | 2.200 | 231 | 150 | 210 | 12,7 | |
| 160 | 753 081 017 | 3.300 | 239 | 150 | 240 | 14,6 | |
| 180 | 753 081 018 | 3.700 | 247 | 150 | 270 | 16,4 | |
| 200 | 753 081 019 | 4.750 | 255 | 150 | 300 | 18,2 | |
| 225 | 753 081 020 | 6.300 | 266 | 150 | 338 | 20,5 | |
| 250 | 753 081 021 | 14.015 | 385 | 250 | 375 | 22,7 | |
| 280 | 753 081 022 | 18.510 | 400 | 250 | 420 | 25,4 | |
| 315 | 753 081 023 | 21.845 | 460 | 250 | 473 | 28,6 | |
| 355 | 753 081 024 | 34.900 | 540 | 300 | 533 | 32,3 | |
| 400 | 753 081 025 | 45.900 | 560 | 300 | 600 | 36,4 | |
| 450 | 753 081 026 | 60.200 | 580 | 300 | 675 | 40,9 | |
| 500 | 753 081 027 | 83.300 | 650 | 350 | 750 | 45,5 | |
| 560 | 753 081 028 | 108.600 | 680 | 350 | 840 | 50,9 | |
| 630 | 753 081 029 | 148.300 | 730 | 350 | 945 | 57,3 | |



Bend 22° PE100 SDR17/17,6

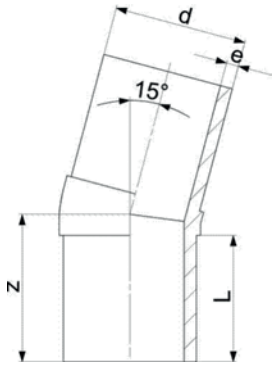
- Long spigot version
- 5 bar Gas / 10 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|--------|-----------|-----------|-----------|-----------|--|
| 90 | 753 080 813 | 0.500 | 160 | 100 | 135 | 5.4 | |
| 110 | 753 080 814 | 1.060 | 219 | 150 | 165 | 6.6 | |
| 125 | 753 080 815 | 1.100 | 225 | 150 | 188 | 7.4 | |
| 140 | 753 080 816 | 1.720 | 231 | 150 | 210 | 8.3 | |
| 160 | 753 080 817 | 1.900 | 239 | 150 | 240 | 9.5 | |
| 180 | 753 080 818 | 3.318 | 247 | 150 | 270 | 10.7 | |
| 200 | 753 080 819 | 3.200 | 255 | 150 | 300 | 11.9 | |
| 225 | 753 080 820 | 5.431 | 266 | 150 | 338 | 13.4 | |
| 250 | 753 080 821 | 9.904 | 385 | 250 | 375 | 14.8 | |
| 280 | 753 080 822 | 12.800 | 400 | 250 | 420 | 16.6 | |
| 315 | 753 080 823 | 14.144 | 460 | 250 | 473 | 18.7 | |
| 355 | 753 080 824 | 22.700 | 540 | 300 | 533 | 21.1 | |
| 400 | 753 080 825 | 29.800 | 560 | 300 | 600 | 23.7 | |
| 450 | 753 080 826 | 39.100 | 580 | 300 | 675 | 26.7 | |
| 500 | 753 080 827 | 54.000 | 650 | 350 | 750 | 29.7 | |
| 560 | 753 080 828 | 70.300 | 680 | 350 | 840 | 33.2 | |
| 630 | 753 080 829 | 95.800 | 730 | 350 | 945 | 37.4 | |

53 14 10

Elbow 15° type L PE100 SDR11

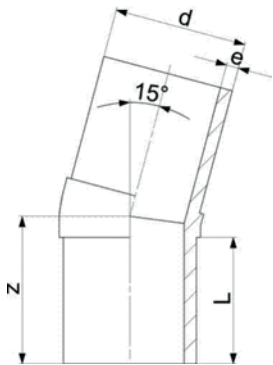
- Long spigot version
- 10 bar Gas / 16 bar Water
- Welded design



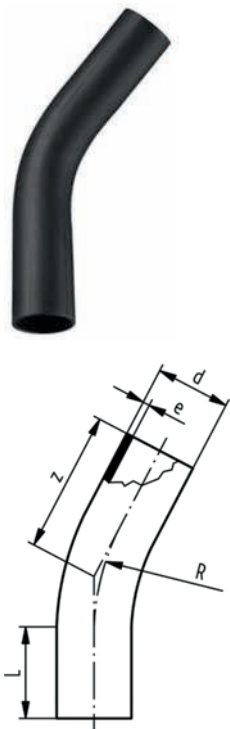
| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | |
|-----------|--------------------|--------|-----------|-----------|-----------|--|
| 32 | 753 141 008 | 0.051 | 70 | 54 | 3.0 | |
| 40 | 753 141 009 | 0.082 | 80 | 57 | 3.7 | |
| 50 | 753 141 010 | 0.118 | 80 | 63 | 4.6 | |
| 63 | 753 141 011 | 0.200 | 80 | 65 | 5.8 | |
| 75 | 753 141 012 | 0.290 | 90 | 72 | 6.8 | |
| 90 | 753 141 013 | 0.479 | 100 | 81 | 8.2 | |
| 110 | 753 141 014 | 0.785 | 105 | 86 | 10.0 | |
| 125 | 753 141 015 | 1.063 | 115 | 92 | 11.4 | |
| 140 | 753 141 016 | 1.600 | 135 | 92 | 12.7 | |
| 160 | 753 141 017 | 2.170 | 130 | 102 | 14.6 | |
| 180 | 753 141 018 | 2.653 | 140 | 107 | 16.4 | |
| 200 | 753 141 019 | 3.438 | 150 | 116 | 18.2 | |
| 225 | 753 141 020 | 4.765 | 165 | 123 | 20.5 | |
| 250 | 753 141 021 | 8.300 | 190 | 130 | 22.7 | |
| 280 | 753 141 022 | 10.600 | 200 | 139 | 25.4 | |
| 315 | 753 141 023 | 13.100 | 200 | 150 | 28.6 | |

Elbow 15° PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water
- Welded design



| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | |
|-----------|--------------------|-------|-----------|-----------|-----------|--|
| 90 | 753 140 813 | 0.337 | 100 | 81 | 5.4 | |
| 110 | 753 140 814 | 0.551 | 105 | 86 | 6.6 | |
| 125 | 753 140 815 | 0.728 | 115 | 92 | 7.4 | |
| 140 | 753 140 816 | 0.370 | 135 | 92 | 8.3 | |
| 160 | 753 140 817 | 1.364 | 130 | 102 | 9.5 | |
| 180 | 753 140 818 | 2.040 | 140 | 107 | 10.7 | |
| 200 | 753 140 819 | 2.371 | 150 | 116 | 11.9 | |
| 225 | 753 140 820 | 3.335 | 165 | 123 | 13.4 | |
| 250 | 753 140 821 | 5.830 | 190 | 130 | 14.8 | |
| 280 | 753 140 822 | 8.100 | 195 | 139 | 16.6 | |
| 315 | 753 140 823 | 7.528 | 200 | 150 | 18.7 | |



Bend 11° PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

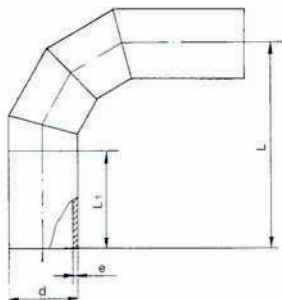
| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] |
|-----------|--------------------|---------|-----------|-----------|-----------|-----------|
| 32 | 753 091 008 | 0.077 | 113 | 80 | 48 | 2.9 |
| 40 | 753 091 009 | 0.120 | 116 | 80 | 60 | 3.7 |
| 50 | 753 091 010 | 0.200 | 140 | 100 | 75 | 4.6 |
| 63 | 753 091 011 | 0.400 | 150 | 100 | 95 | 5.8 |
| 75 | 753 091 012 | 0.520 | 155 | 100 | 113 | 6.8 |
| 90 | 753 091 013 | 0.760 | 160 | 100 | 135 | 8.2 |
| 110 | 753 091 014 | 1.500 | 219 | 150 | 165 | 10.0 |
| 125 | 753 091 015 | 2.000 | 225 | 150 | 188 | 11.4 |
| 140 | 753 091 016 | 2.200 | 231 | 150 | 210 | 12.7 |
| 160 | 753 091 017 | 3.300 | 239 | 150 | 240 | 14.6 |
| 180 | 753 091 018 | 3.700 | 247 | 150 | 270 | 16.4 |
| 200 | 753 091 019 | 4.750 | 255 | 150 | 300 | 18.2 |
| 225 | 753 091 020 | 7.773 | 266 | 150 | 338 | 20.5 |
| 250 | 753 091 021 | 13.100 | 385 | 250 | 375 | 22.7 |
| 280 | 753 091 022 | 16.300 | 400 | 250 | 420 | 25.4 |
| 315 | 753 091 023 | 21.845 | 460 | 250 | 473 | 28.6 |
| 355 | 753 091 024 | 34.900 | 540 | 300 | 533 | 32.3 |
| 400 | 753 091 025 | 45.900 | 560 | 300 | 600 | 36.4 |
| 450 | 753 091 026 | 60.200 | 580 | 300 | 675 | 40.9 |
| 500 | 753 091 027 | 83.300 | 650 | 350 | 750 | 45.5 |
| 560 | 753 091 028 | 108.600 | 680 | 350 | 840 | 50.9 |
| 630 | 753 091 029 | 148.300 | 730 | 350 | 945 | 57.3 |



Bend 11° PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water
- made out of seamless pipe
- bends made out of seamless pipe shall not be shortened

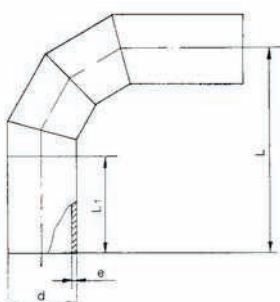
| d [mm] | Code | kg | z [mm] | L [mm] | R [mm] | e [mm] |
|-----------|--------------------|--------|-----------|-----------|-----------|-----------|
| 90 | 753 090 813 | 0.500 | 160 | 100 | 135 | 5.4 |
| 110 | 753 090 814 | 1.060 | 219 | 150 | 165 | 6.6 |
| 125 | 753 090 815 | 1.100 | 225 | 150 | 188 | 7.4 |
| 140 | 753 090 816 | 1.720 | 231 | 150 | 210 | 8.3 |
| 160 | 753 090 817 | 2.653 | 239 | 150 | 240 | 9.5 |
| 180 | 753 090 818 | 2.500 | 247 | 150 | 270 | 10.7 |
| 200 | 753 090 819 | 4.308 | 255 | 150 | 300 | 11.9 |
| 225 | 753 090 820 | 7.540 | 266 | 150 | 338 | 13.4 |
| 250 | 753 090 821 | 11.600 | 385 | 250 | 375 | 14.8 |
| 280 | 753 090 822 | 12.800 | 400 | 250 | 420 | 16.6 |
| 315 | 753 090 823 | 25.000 | 460 | 250 | 473 | 18.7 |
| 355 | 753 090 824 | 22.700 | 540 | 300 | 533 | 21.1 |
| 400 | 753 090 825 | 29.800 | 560 | 300 | 600 | 23.7 |
| 450 | 753 090 826 | 39.100 | 580 | 300 | 675 | 26.7 |
| 500 | 753 090 827 | 54.000 | 650 | 350 | 750 | 29.7 |
| 560 | 753 090 828 | 70.300 | 680 | 350 | 840 | 33.2 |
| 630 | 753 090 829 | 95.800 | 730 | 350 | 945 | 37.4 |



Bend 90° PE100 S5/SDR11

- For IR, butt- and electro fusion
- Reduction factor = 0,8

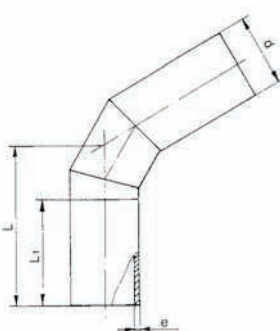
| d [mm] | Code | L [mm] | L1 [mm] | e [mm] | |
|-----------|-------------|-----------|------------|-----------|--|
| 110 | 700 648 928 | 315 | 150 | 10,0 | |
| 125 | 700 648 929 | 338 | 150 | 11,4 | |
| 140 | 700 648 930 | 360 | 150 | 12,8 | |
| 160 | 700 648 931 | 390 | 150 | 14,6 | |
| 180 | 700 648 932 | 420 | 150 | 16,4 | |
| 200 | 700 648 933 | 450 | 150 | 18,2 | |
| 225 | 700 648 934 | 488 | 150 | 20,5 | |
| 250 | 700 648 935 | 625 | 250 | 22,8 | |
| 280 | 700 648 936 | 670 | 250 | 25,5 | |
| 315 | 700 648 937 | 773 | 300 | 28,7 | |
| 355 | 700 648 938 | 833 | 300 | 32,3 | |
| 400 | 700 648 939 | 900 | 300 | 36,4 | |
| 450 | 700 648 940 | 975 | 300 | 41,0 | |
| 500 | 700 648 941 | 1100 | 350 | 45,5 | |
| 560 | 700 648 942 | 1190 | 350 | 51,0 | |
| 630 | 700 648 943 | 1295 | 350 | 57,3 | |



Bend 90° PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reduction factor = 0,8

| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] | |
|-----------|-------------|---------|-----------|------------|-----------|--|
| 110 | 700 648 944 | 1.122 | 315 | 150 | 6,3 | |
| 125 | 700 648 945 | 1.584 | 338 | 150 | 7,1 | |
| 140 | 700 648 946 | 2.145 | 360 | 150 | 8,0 | |
| 160 | 700 648 947 | 2.970 | 390 | 150 | 9,1 | |
| 180 | 700 648 948 | 4.026 | 420 | 150 | 10,2 | |
| 200 | 700 648 949 | 5.346 | 450 | 150 | 11,4 | |
| 225 | 700 648 950 | 7.260 | 488 | 150 | 12,8 | |
| 250 | 700 648 951 | 11.550 | 625 | 250 | 14,2 | |
| 280 | 700 648 952 | 15.510 | 670 | 250 | 15,9 | |
| 315 | 700 648 953 | 23.100 | 773 | 300 | 17,9 | |
| 355 | 700 648 954 | 31.152 | 833 | 300 | 20,1 | |
| 400 | 700 648 955 | 42.768 | 900 | 300 | 22,7 | |
| 450 | 700 648 956 | 58.410 | 975 | 300 | 25,5 | |
| 500 | 700 648 957 | 63.888 | 1100 | 350 | 28,3 | |
| 560 | 700 648 958 | 85.140 | 1190 | 350 | 31,7 | |
| 630 | 700 648 959 | 114.840 | 1295 | 350 | 35,7 | |



Bend 60° PE100 S5/SDR11

- For IR, butt- and electro fusion
- Reduction factor = 0,8

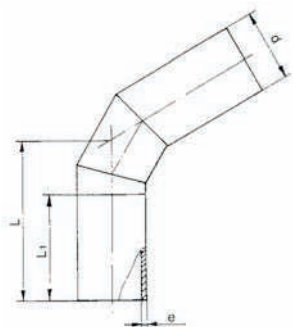
| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] | |
|-----------|-------------|--------|-----------|------------|-----------|--|
| 110 | 700 648 960 | 1.377 | 245 | 150 | 10,0 | |
| 125 | 700 648 961 | 1.944 | 258 | 150 | 11,4 | |
| 140 | 700 648 962 | 2.633 | 271 | 150 | 12,8 | |
| 160 | 700 648 963 | 3.645 | 288 | 150 | 14,6 | |
| 180 | 700 648 964 | 4.941 | 305 | 150 | 16,4 | |
| 200 | 700 648 965 | 6.561 | 323 | 150 | 18,2 | |
| 225 | 700 648 966 | 8.910 | 345 | 150 | 20,5 | |
| 250 | 700 648 967 | 14.175 | 466 | 250 | 22,8 | |
| 280 | 700 648 968 | 19.035 | 492 | 250 | 25,5 | |
| 315 | 700 648 969 | 28.350 | 576 | 300 | 28,7 | |
| 355 | 700 648 970 | 38.232 | 608 | 300 | 32,3 | |
| 400 | 700 648 971 | 52.488 | 646 | 300 | 36,4 | |
| 450 | 700 648 972 | 71.685 | 689 | 300 | 41,0 | |

table continued next page

| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|---------|-----------|------------|-----------|
| 500 | 700 648 973 | 78.408 | 783 | 350 | 45,5 |
| 560 | 700 648 974 | 104.490 | 835 | 350 | 51,0 |
| 630 | 700 648 975 | 140.940 | 896 | 350 | 57,3 |

Bend 60° PE100 S8/SDR17.6

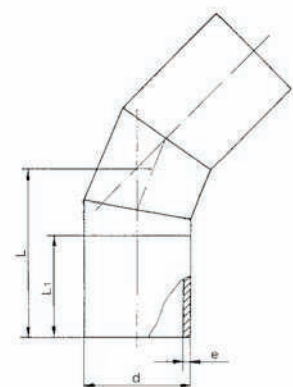
- For IR, butt- and electro fusion
- Reduction factor = 0,8



| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|--------|-----------|------------|-----------|
| 110 | 700 648 976 | 0.909 | 245 | 150 | 6,3 |
| 125 | 700 648 977 | 1.283 | 258 | 150 | 7,1 |
| 140 | 700 648 978 | 1.737 | 271 | 150 | 8,0 |
| 160 | 700 648 979 | 2.406 | 288 | 150 | 9,1 |
| 180 | 700 648 980 | 3.261 | 305 | 150 | 10,2 |
| 200 | 700 648 981 | 4.330 | 323 | 150 | 11,4 |
| 225 | 700 648 982 | 5.881 | 345 | 150 | 12,8 |
| 250 | 700 648 983 | 9.356 | 466 | 250 | 14,2 |
| 280 | 700 648 984 | 12.563 | 492 | 250 | 15,9 |
| 315 | 700 648 985 | 18.711 | 576 | 300 | 17,9 |
| 355 | 700 648 986 | 25.233 | 608 | 300 | 20,1 |
| 400 | 700 648 987 | 34.642 | 646 | 300 | 22,7 |
| 450 | 700 648 988 | 47.312 | 689 | 300 | 25,5 |
| 500 | 700 648 989 | 51.749 | 783 | 350 | 28,3 |
| 560 | 700 648 990 | 68.963 | 835 | 350 | 31,7 |
| 630 | 700 648 991 | 93.020 | 896 | 350 | 35,7 |

Bend 45° PE100 S5/SDR11

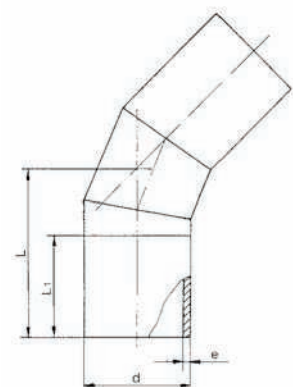
- For IR, butt- and electro fusion
- Reduction factor = 0,8



| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|---------|-----------|------------|-----------|
| 110 | 700 648 992 | 1.115 | 218 | 150 | 10,0 |
| 125 | 700 648 993 | 1.575 | 228 | 150 | 11,4 |
| 140 | 700 648 994 | 2.132 | 237 | 150 | 12,8 |
| 160 | 700 648 995 | 2.952 | 249 | 150 | 14,6 |
| 180 | 700 648 996 | 4.002 | 262 | 150 | 16,4 |
| 200 | 700 648 997 | 5.314 | 274 | 150 | 18,2 |
| 225 | 700 648 998 | 7.217 | 290 | 150 | 20,5 |
| 250 | 700 648 999 | 11.482 | 412 | 250 | 22,8 |
| 280 | 700 649 000 | 15.418 | 424 | 250 | 25,5 |
| 315 | 700 649 001 | 22.964 | 498 | 300 | 28,7 |
| 355 | 700 649 002 | 30.968 | 520 | 300 | 32,3 |
| 400 | 700 649 003 | 42.515 | 548 | 300 | 36,4 |
| 450 | 700 649 004 | 58.065 | 580 | 300 | 41,0 |
| 500 | 700 649 005 | 63.510 | 665 | 350 | 45,5 |
| 560 | 700 649 006 | 84.637 | 698 | 350 | 51,0 |
| 630 | 700 649 007 | 114.161 | 741 | 350 | 57,3 |

Bend 45° PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reduction factor = 0,8



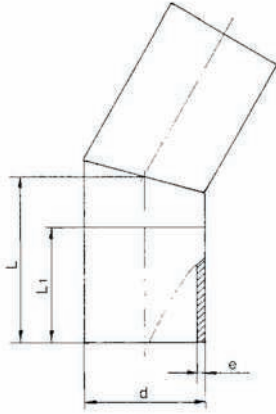
| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|--------|-----------|------------|-----------|
| 110 | 700 649 008 | 22.864 | 218 | 150 | 6,3 |
| 125 | 700 649 009 | 31.226 | 228 | 150 | 7,1 |
| 140 | 700 649 010 | 34.155 | 237 | 150 | 8,0 |
| 160 | 700 649 011 | 2.200 | 249 | 150 | 9,1 |
| 180 | 700 649 012 | 61.393 | 262 | 150 | 10,2 |
| 200 | 700 649 013 | 0.736 | 274 | 150 | 11,4 |
| 225 | 700 649 014 | 5.180 | 290 | 150 | 12,8 |
| 250 | 700 649 015 | 8.990 | 412 | 250 | 14,2 |
| 280 | 700 649 016 | 11.440 | 424 | 250 | 15,9 |

table continued next page

| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|--------|-----------|------------|-----------|
| 315 | 700 649 017 | 21.400 | 498 | 300 | 17,9 |
| 355 | 700 649 018 | 3.508 | 520 | 300 | 20,1 |
| 400 | 700 649 019 | 29.810 | 548 | 300 | 22,7 |
| 450 | 700 649 020 | 7.578 | 580 | 300 | 25,5 |
| 500 | 700 649 021 | 10.176 | 665 | 350 | 28,3 |
| 560 | 700 649 022 | 15.156 | 698 | 350 | 31,7 |
| 630 | 700 649 023 | 20.439 | 741 | 350 | 35,7 |

Bend 30° PE100 S5/SDR11

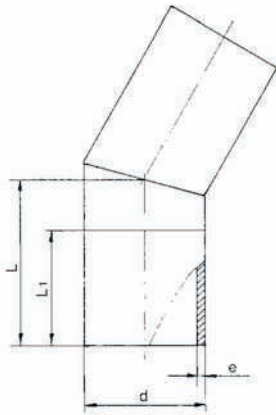
- For IR, butt- and electro fusion
- Reduction factor = 0,8



| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|--------|-----------|------------|-----------|
| 110 | 700 649 024 | 1.280 | 194 | 150 | 10,0 |
| 125 | 700 649 025 | 8.326 | 200 | 150 | 11,4 |
| 140 | 700 649 026 | 2.150 | 206 | 150 | 12,8 |
| 180 | 700 649 028 | 3.830 | 222 | 150 | 16,4 |
| 200 | 700 649 029 | 30.831 | 230 | 150 | 18,2 |
| 225 | 700 649 030 | 6.650 | 241 | 150 | 20,5 |
| 250 | 700 649 031 | 46.057 | 350 | 250 | 22,8 |
| 280 | 700 649 032 | 61.377 | 362 | 250 | 25,5 |
| 315 | 700 649 033 | 82.788 | 428 | 300 | 28,7 |
| 355 | 700 649 034 | 0.993 | 443 | 300 | 32,3 |
| 400 | 700 649 035 | 1.401 | 461 | 300 | 36,4 |
| 450 | 700 649 036 | 1.898 | 481 | 300 | 41,0 |
| 500 | 700 649 037 | 2.628 | 551 | 350 | 45,5 |
| 560 | 700 649 038 | 3.562 | 575 | 350 | 51,0 |
| 630 | 700 649 039 | 4.730 | 603 | 350 | 57,3 |

Bend 30° PE100 S8/SDR17.6

- For IR, butt- and electro fusion
- Reduction factor = 0,8

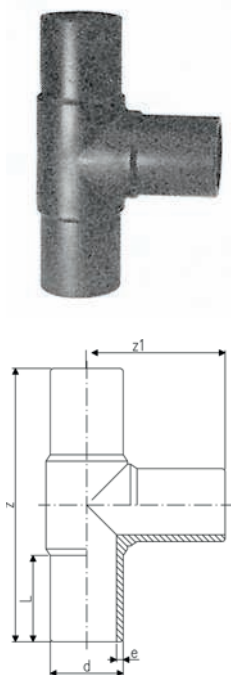


| d [mm] | Code | kg | L [mm] | L1 [mm] | e [mm] |
|-----------|--------------------|--------|-----------|------------|-----------|
| 110 | 700 649 040 | 0.840 | 194 | 150 | 6,3 |
| 125 | 700 649 041 | 3.144 | 200 | 150 | 7,1 |
| 140 | 700 649 042 | 1.340 | 206 | 150 | 8,0 |
| 160 | 700 649 043 | 1.930 | 214 | 150 | 9,1 |
| 180 | 700 649 044 | 2.490 | 222 | 150 | 10,2 |
| 200 | 700 649 045 | 13.490 | 230 | 150 | 11,4 |
| 225 | 700 649 046 | 4.320 | 241 | 150 | 12,8 |
| 250 | 700 649 047 | 5.495 | 350 | 250 | 14,2 |
| 280 | 700 649 048 | 7.380 | 362 | 250 | 15,9 |
| 315 | 700 649 049 | 14.530 | 428 | 300 | 17,9 |
| 355 | 700 649 050 | 14.822 | 443 | 300 | 20,1 |
| 400 | 700 649 051 | 20.349 | 461 | 300 | 22,7 |
| 450 | 700 649 052 | 27.791 | 481 | 300 | 25,5 |
| 500 | 700 649 053 | 30.398 | 551 | 350 | 28,3 |
| 560 | 700 649 054 | 40.509 | 575 | 350 | 31,7 |
| 630 | 700 649 055 | 54.640 | 603 | 350 | 35,7 |

53 20 10

Tee 90° equal PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- * With welded pipes
- * Segment welded and reinforced
- * No pressure reduction factor

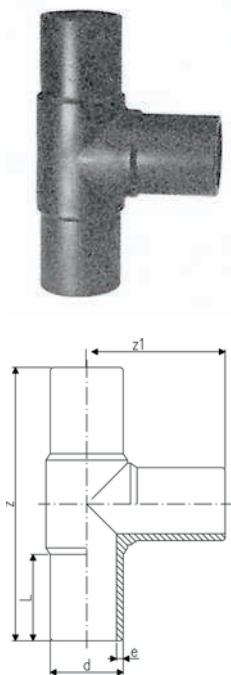


| d [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | e [mm] | PF |
|-----------|-------------|---------|-----------|------------|-----------|-----------|--------------|
| 20 | 753 201 006 | 0.038 | 150 | 75 | 52 | 3,0 | 2 51 301 001 |
| 25 | 753 201 007 | 0.054 | 160 | 80 | 52 | 3,0 | 2 51 301 001 |
| 32 | 753 201 008 | 0.077 | 170 | 85 | 54 | 3,0 | 2 51 301 001 |
| 40 | 753 201 009 | 0.130 | 190 | 95 | 57 | 3,7 | 2 51 301 001 |
| 50 | 753 201 010 | 0.214 | 210 | 105 | 63 | 4,6 | 2 51 301 001 |
| 63 | 753 201 011 | 0.376 | 230 | 115 | 65 | 5,8 | 2 51 301 001 |
| 75 | 753 201 012 | 0.599 | 264 | 132 | 72 | 6,8 | 2 51 301 001 |
| 90 | 753 201 013 | 1.021 | 300 | 150 | 81 | 8,2 | 2 51 301 001 |
| 110 | 753 201 014 | 1.612 | 330 | 165 | 86 | 10,0 | 2 51 301 001 |
| 125 | 753 201 015 | 2.420 | 366 | 183 | 92 | 11,4 | 2 51 301 001 |
| 140 | 753 201 016 | 3.090 | 393 | 193 | 92 | 12,7 | 2 51 301 001 |
| 160 | 753 201 017 | 4.403 | 420 | 210 | 102 | 14,6 | 2 51 301 001 |
| 180 | 753 201 018 | 6.014 | 460 | 230 | 107 | 16,4 | 2 51 301 001 |
| 200 | 753 201 019 | 8.480 | 500 | 250 | 117 | 18,2 | 2 51 301 001 |
| 225 | 753 201 020 | 11.507 | 540 | 270 | 122 | 20,5 | 2 51 301 001 |
| 250 | 753 201 001 | 14.099 | 575 | 288 | 130 | 22,7 | 2 51 301 002 |
| 280 | 753 200 902 | 18.670 | 615 | 308 | 139 | 25,4 | 2 51 301 002 |
| 315 | 753 200 903 | 26.150 | 695 | 346 | 150 | 28,6 | 2 51 301 002 |
| 355 | 753 200 904 | 39.800 | 818 | 410 | 165 | 32,3 | 2 51 301 008 |
| 400 | 753 200 905 | 42.495 | 910 | 455 | 180 | 36,4 | 2 51 301 008 |
| 450 | 753 200 906 | 77.300 | 970 | 485 | 195 | 40,9 | 2 51 301 008 |
| 500 | 753 200 907 | 101.000 | 1060 | 530 | 215 | 45,5 | 2 51 301 008 |
| * 560 | 753 200 908 | 153.300 | 1510 | 755 | 230 | 50,9 | 2 51 301 008 |
| * 630 | 753 200 909 | 205.500 | 1630 | 815 | 250 | 57,3 | 2 51 301 008 |
| * 710 | 753 201 120 | 318.698 | 1720 | 860 | 450 | 64,5 | 2 51 301 008 |
| * 800 | 753 201 121 | 409.142 | 1780 | 890 | 450 | 72,6 | 2 51 301 008 |

53 20 08

Tee 90° equal PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water
- * Segment welded and reinforced
- * With welded pipes
- * No pressure reduction factor

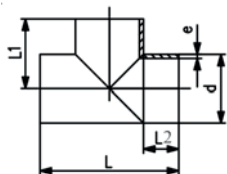


| d [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | e [mm] | PF |
|-----------|-------------|---------|-----------|------------|-----------|-----------|--------------|
| 90 | 753 200 813 | 0.777 | 300 | 150 | 80 | 5,4 | 2 51 301 001 |
| 110 | 753 200 814 | 1.231 | 330 | 165 | 86 | 6,6 | 2 51 301 001 |
| 125 | 753 200 815 | 1.690 | 366 | 183 | 92 | 7,4 | 2 51 301 001 |
| 140 | 753 200 816 | 2.202 | 396 | 196 | 92 | 8,3 | 2 51 301 001 |
| 160 | 753 200 817 | 3.201 | 428 | 214 | 104 | 9,5 | 2 51 301 001 |
| 180 | 753 200 818 | 4.287 | 460 | 230 | 105 | 10,7 | 2 51 301 001 |
| 200 | 753 200 819 | 5.889 | 500 | 250 | 115 | 11,9 | 2 51 301 001 |
| 225 | 753 200 820 | 7.886 | 540 | 270 | 122 | 13,4 | 2 51 301 001 |
| 250 | 753 200 821 | 10.000 | 575 | 288 | 130 | 14,8 | 2 51 301 002 |
| 280 | 753 200 802 | 13.350 | 615 | 308 | 139 | 16,6 | 2 51 301 002 |
| 315 | 753 200 803 | 17.985 | 695 | 346 | 150 | 18,7 | 2 51 301 002 |
| 355 | 753 200 804 | 25.850 | 818 | 410 | 165 | 21,1 | 2 51 301 008 |
| 400 | 753 200 805 | 35.015 | 910 | 455 | 180 | 23,7 | 2 51 301 008 |
| 450 | 753 200 806 | 56.000 | 970 | 485 | 195 | 26,7 | 2 51 301 008 |
| 500 | 753 200 807 | 71.000 | 1060 | 530 | 215 | 29,7 | 2 51 301 008 |
| * 560 | 753 200 808 | 99.200 | 1510 | 755 | 230 | 33,2 | 2 51 301 008 |
| * 630 | 753 200 809 | 132.700 | 1630 | 815 | 250 | 37,4 | 2 51 301 008 |
| * 710 | 753 201 920 | 219.870 | 1720 | 860 | 450 | 42,1 | 2 51 301 008 |
| * 800 | 753 201 921 | 281.495 | 1780 | 890 | 450 | 47,4 | 2 51 301 008 |

53 20 08

Tee 90° equal PE100 SDR17/17,6**Model:**

- Long spigot
- Conventional butt-welding according to DVS 2207 part 1
- Production process: segment welded
- Does not conform to pressure rating. Pressure reduction factor of 0.5
- 5 bar water

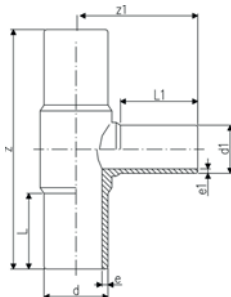


| d [mm] | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | |
|-----------|--------------------|---------|-----------|------------|------------|-----------|--|
| 710 | 753 202 810 | 158.180 | 1410 | 705 | 350 | 42.1 | |
| 800 | 753 202 811 | 210.302 | 1500 | 750 | 350 | 47.4 | |
| 900 | 753 202 812 | 302.118 | 1700 | 850 | 400 | 53.3 | |
| 1000 | 753 202 813 | 457.054 | 2040 | 1020 | 520 | 59.3 | |

53 20 10

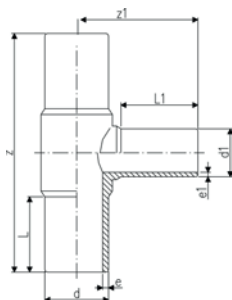
Tee 90° reduced moulded PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water



| d [mm] | d1 [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|-----------|------------|--|
| 63 | 50 | 753 201 044 | 0.305 | 215 | 103 | 63 | 56 | 5.8 | 4.6 | |
| 75 | 32 | 753 201 045 | 0.519 | 256 | 108 | 70 | 46 | 6.8 | 2.9 | |
| 75 | 50 | 753 201 046 | 0.531 | 253 | 113 | 70 | 56 | 6.8 | 4.6 | |
| 75 | 63 | 753 201 047 | 0.554 | 255 | 117 | 70 | 63 | 6.8 | 5.8 | |
| 90 | 50 | 753 201 027 | 0.794 | 280 | 117 | 79 | 55 | 8.2 | 4.6 | |
| 90 | 63 | 753 201 029 | 0.775 | 280 | 123 | 79 | 63 | 8.2 | 5.8 | |
| 90 | 75 | 753 201 030 | 0.779 | 272 | 138 | 73 | 68 | 8.2 | 6.8 | |
| 110 | 63 | 753 201 028 | 1.409 | 320 | 147 | 87 | 63 | 10.0 | 5.8 | |
| 110 | 75 | 753 201 031 | 1.221 | 309 | 151 | 82 | 70 | 10.0 | 6.8 | |
| 110 | 90 | 753 201 032 | 1.275 | 320 | 158 | 86 | 79 | 10.0 | 8.2 | |
| 125 | 90 | 753 201 048 | 1.717 | 340 | 170 | 112 | 92 | 11.4 | 8.2 | |
| 125 | 110 | 753 201 033 | 1.909 | 341 | 170 | 90 | 83 | 11.4 | 10.0 | |
| 160 | 63 | 753 201 034 | 2.680 | 416 | 176 | 98 | 65 | 14.6 | 5.8 | |
| 160 | 75 | 753 201 035 | 2.676 | 343 | 180 | 98 | 74 | 14.6 | 6.8 | |
| 160 | 90 | 753 201 036 | 2.775 | 412 | 188 | 101 | 79 | 14.6 | 8.2 | |
| 160 | 110 | 753 201 037 | 3.300 | 412 | 195 | 101 | 82 | 14.6 | 10.0 | |
| 180 | 90 | 753 201 049 | 4.410 | 420 | 200 | 136 | 97 | 16.4 | 8.2 | |
| 180 | 110 | 753 201 050 | 4.379 | 430 | 206 | 130 | 101 | 16.4 | 10.0 | |
| 180 | 160 | 753 201 038 | 4.715 | 411 | 205 | 105 | 94 | 16.4 | 14.6 | |
| 200 | 63 | 753 201 073 | 7.300 | 500 | 190 | 122 | 63 | 18.2 | 5.8 | |
| 200 | 90 | 753 201 074 | 9.730 | 500 | 207 | 122 | 79 | 18.2 | 8.2 | |
| 200 | 110 | 753 201 075 | 7.120 | 500 | 215 | 122 | 82 | 18.2 | 10.0 | |
| 200 | 160 | 753 201 076 | 9.730 | 500 | 234 | 122 | 98 | 18.2 | 14.6 | |
| 225 | 75 | 753 201 039 | 9.880 | 555 | 215 | 120 | 70 | 20.5 | 6.8 | |
| 225 | 90 | 753 201 040 | 6.633 | 558 | 226 | 120 | 80 | 20.5 | 8.2 | |
| 225 | 110 | 753 201 041 | 10.010 | 558 | 235 | 120 | 82 | 20.5 | 10.0 | |
| 225 | 160 | 753 201 042 | 8.095 | 560 | 253 | 120 | 98 | 20.5 | 14.6 | |
| 225 | 180 | 753 201 043 | 9.375 | 560 | 280 | 120 | 105 | 20.5 | 16.4 | |
| 250 | 110 | 753 201 078 | 11.820 | 575 | 242 | 130 | 82 | 22.7 | 10.0 | |
| 250 | 160 | 753 201 079 | 12.302 | 575 | 261 | 127 | 98 | 22.7 | 14.6 | |
| 315 | 110 | 753 201 051 | 15.300 | 695 | 277 | 150 | 82 | 28.6 | 10.0 | |
| 315 | 160 | 753 201 052 | 22.998 | 695 | 296 | 150 | 102 | 28.6 | 14.6 | |
| 315 | 225 | 753 201 053 | 20.011 | 650 | 335 | 170 | 145 | 28.6 | 20.5 | |
| 315 | 250 | 753 201 054 | 24.243 | 695 | 325 | 150 | 130 | 28.6 | 22.7 | |

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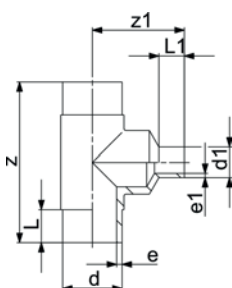


Tee 90° reduced, moulded PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water

| d [mm] | d1 [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | e1 [mm] |
|-----------|------------|-------------|--------|-----------|------------|-----------|------------|-----------|------------|------------|
| 90 | 50 | 753 201 827 | 0.630 | 275 | 117 | 79 | 55 | 5.4 | 3,0 | 3.0 |
| 90 | 63 | 753 200 829 | 0.560 | 275 | 123 | 79 | 63 | 5.4 | 3,8 | 3.8 |
| 90 | 75 | 753 200 830 | 0.593 | 272 | 139 | 74 | 71 | 5.4 | 4,5 | 4.5 |
| 110 | 63 | 753 200 828 | 1.010 | 318 | 147 | 82 | 63 | 6.6 | 3,8 | 3.8 |
| 110 | 75 | 753 200 831 | 0.891 | 315 | 152 | 84 | 70 | 6.6 | 4,5 | 4.5 |
| 110 | 90 | 753 200 832 | 0.941 | 318 | 158 | 82 | 79 | 6.6 | 5,4 | 5.4 |
| 125 | 110 | 753 200 833 | 1.399 | 334 | 168 | 84 | 83 | 7.4 | 6,6 | 6.6 |
| 160 | 63 | 753 200 834 | 1.950 | 330 | 130 | 86 | 63 | 9.5 | 3,8 | 3.8 |
| 160 | 75 | 753 200 835 | 1.932 | 343 | 180 | 98 | 74 | 9.5 | 4,5 | 4.5 |
| 160 | 90 | 753 200 836 | 1.972 | 410 | 188 | 98 | 79 | 9.5 | 5,4 | 5.4 |
| 160 | 110 | 753 200 837 | 2.716 | 410 | 195 | 98 | 82 | 9.5 | 6,6 | 6.6 |
| 180 | 90 | 753 200 844 | 3.250 | 422 | 204 | 134 | 97 | 10.7 | 5,4 | 5.4 |
| 180 | 160 | 753 200 838 | 3.557 | 411 | 205 | 105 | 94 | 10.7 | 9,5 | 9.5 |
| 200 | 63 | 753 201 873 | 6.800 | 500 | 190 | 122 | 63 | 11.9 | 3,8 | 3.8 |
| 200 | 90 | 753 201 874 | 6.900 | 500 | 207 | 122 | 79 | 11.9 | 5,4 | 5.4 |
| 200 | 110 | 753 201 875 | 5.097 | 500 | 215 | 122 | 82 | 11.9 | 6,6 | 6.6 |
| 200 | 160 | 753 201 876 | 7.400 | 500 | 234 | 122 | 98 | 11.9 | 9,5 | 9.5 |
| 225 | 75 | 753 200 839 | 7.128 | 555 | 277 | 120 | 70 | 13.4 | 4,5 | 4.5 |
| 225 | 90 | 753 200 840 | 4.732 | 555 | 226 | 127 | 80 | 13.4 | 5,4 | 5.4 |
| 225 | 110 | 753 200 841 | 4.700 | 555 | 235 | 127 | 82 | 13.4 | 6,6 | 6.6 |
| 225 | 160 | 753 200 842 | 5.922 | 555 | 253 | 127 | 98 | 13.4 | 9,5 | 9.5 |
| 225 | 180 | 753 200 843 | 7.211 | 550 | 280 | 120 | 105 | 13.4 | 10,7 | 10.7 |
| 250 | 110 | 753 201 878 | 9.400 | 575 | 242 | 130 | 82 | 14.8 | 6,6 | 6.6 |
| 250 | 160 | 753 201 879 | 9.800 | 575 | 261 | 130 | 98 | 14.8 | 9,5 | 9.5 |
| 315 | 110 | 753 200 851 | 15.621 | 695 | 277 | 150 | 82 | 18.7 | 6,6 | 6.6 |
| 315 | 160 | 753 200 852 | 12.200 | 695 | 296 | 150 | 102 | 18.7 | 9,5 | 9.5 |
| 315 | 225 | 753 200 853 | 14.869 | 650 | 335 | 170 | 145 | 18.7 | 13,4 | 13.4 |
| 315 | 250 | 753 200 854 | 15.500 | 695 | 325 | 150 | 130 | 18.7 | 14,8 | 14.8 |

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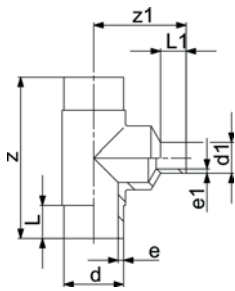


Tee 90° reduced with welded reducer

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water

| d [mm] | d1 [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|-------------|--------|-----------|------------|-----------|------------|-----------|------------|
| 25 | 20 | 753 201 002 | 0.053 | 160 | | 52 | 52 | 3,0 | 3,0 |
| 32 | 20 | 753 201 003 | 0.094 | 170 | 105 | 54 | 52 | 3,0 | 3,0 |
| 32 | 25 | 753 201 004 | 0.098 | 170 | 110 | 54 | 52 | 3,0 | 3,0 |
| 40 | 20 | 753 201 005 | 0.124 | 190 | 120 | 57 | 52 | 3,7 | 3,0 |
| 40 | 25 | 753 201 069 | 0.160 | 190 | 120 | 57 | 52 | 3,7 | 3,0 |
| 40 | 32 | 753 201 070 | 0.160 | 190 | 120 | 57 | 52 | 3,7 | 3,0 |
| 50 | 20 | 753 201 072 | 0.252 | 210 | 140 | 63 | 52 | 4,6 | 3,0 |
| 50 | 25 | 753 201 077 | 0.260 | 210 | 130 | 63 | 52 | 4,6 | 3,0 |
| 50 | 32 | 753 201 080 | 0.207 | 210 | 130 | 63 | 53 | 4,6 | 3,0 |
| 50 | 40 | 753 201 081 | 0.224 | 210 | 130 | 63 | 57 | 4,6 | 3,7 |
| 63 | 32 | 753 201 082 | 0.359 | 230 | 140 | 65 | 53 | 5,8 | 3,0 |
| 63 | 40 | 753 201 116 | 0.480 | 230 | 145 | 65 | 57 | 5,8 | 3,7 |
| 75 | 40 | 753 201 084 | 0.603 | 264 | 180 | 72 | 57 | 6,8 | 3,7 |
| 125 | 63 | 753 201 085 | 2.359 | 366 | 225 | 92 | 61 | 11,4 | 5,8 |
| 125 | 75 | 753 201 086 | 2.434 | 366 | 235 | 92 | 72 | 11,4 | 6,8 |
| 140 | 75 | 753 201 087 | 3.038 | 396 | 230 | 92 | 70 | 12,7 | 6,8 |
| 140 | 90 | 753 201 089 | 3.092 | 396 | 235 | 92 | 79 | 12,7 | 8,2 |
| 140 | 110 | 753 201 090 | 3.600 | 396 | 240 | 92 | 82 | 12,7 | 10,0 |
| 140 | 125 | 753 201 091 | 4.170 | 396 | 240 | 92 | 90 | 12,7 | 11,4 |
| 160 | 125 | 753 201 092 | 4.544 | 420 | 265 | 102 | 92 | 14,6 | 11,4 |
| 160 | 140 | 753 201 093 | 5.895 | 420 | 270 | 102 | 96 | 14,6 | 12,7 |
| 180 | 125 | 753 201 094 | 6.111 | 460 | 285 | 107 | 92 | 16,4 | 11,4 |
| 180 | 140 | 753 201 095 | 6.317 | 460 | 295 | 107 | 110 | 16,4 | 12,7 |
| 200 | 125 | 753 201 096 | 8.424 | 500 | 295 | 117 | 92 | 18,2 | 11,4 |
| 200 | 140 | 753 201 097 | 10.570 | 500 | 310 | 117 | 110 | 18,2 | 12,7 |

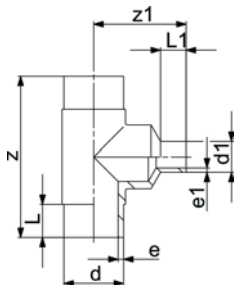
table continued next page



| d [mm] | d1 [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|-----------|------------|--|
| 200 | 180 | 753 201 098 | 9.031 | 500 | 310 | 117 | 110 | 18,2 | 16,4 | |
| 225 | 125 | 753 201 099 | 11.260 | 540 | 320 | 122 | 92 | 20,5 | 11,4 | |
| 225 | 140 | 753 201 100 | 14.574 | 540 | 335 | 122 | 110 | 20,5 | 12,7 | |
| 225 | 200 | 753 201 101 | 14.925 | 540 | 340 | 122 | 117 | 20,5 | 18,2 | |
| 250 | 180 | 753 201 102 | 14.327 | 576 | 350 | 130 | 105 | 22,7 | 16,4 | |
| 250 | 200 | 753 201 103 | 19.220 | 576 | 360 | 130 | 112 | 22,7 | 18,2 | |
| 250 | 225 | 753 201 104 | 15.240 | 576 | 390 | 130 | 120 | 22,7 | 20,5 | |
| 280 | 200 | 753 201 105 | 24.520 | 616 | 410 | 139 | 112 | 25,4 | 18,2 | |
| 280 | 225 | 753 201 106 | 24.755 | 616 | 420 | 139 | 120 | 25,4 | 20,5 | |
| 280 | 250 | 753 201 107 | 25.210 | 616 | 420 | 139 | 130 | 25,4 | 22,7 | |
| 315 | 200 | 753 201 108 | 33.950 | 690 | 470 | 150 | 134 | 28,6 | 18,2 | |
| 315 | 280 | 753 201 109 | 34.950 | 690 | 480 | 150 | 139 | 28,6 | 25,4 | |
| 355 | 250 | 753 201 110 | 48.900 | 818 | 530 | 165 | 130 | 32,3 | 22,7 | |
| 355 | 280 | 753 201 111 | 49.300 | 818 | 480 | 165 | 139 | 32,3 | 25,4 | |
| 355 | 315 | 753 201 112 | 49.690 | 818 | 480 | 165 | 150 | 32,3 | 28,6 | |
| 400 | 280 | 753 201 113 | 52.915 | 910 | 530 | 180 | 139 | 36,4 | 25,4 | |
| 400 | 315 | 753 201 114 | 53.625 | 910 | 580 | 180 | 150 | 36,4 | 28,6 | |
| 400 | 355 | 753 201 115 | 54.075 | 910 | 675 | 180 | 165 | 36,4 | 32,3 | |

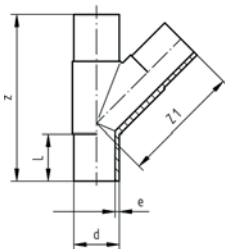
Tee 90° reduced with welded reducer PE100 SDR17/17,6

• 5 bar Gas / 10 bar Water



| d [mm] | d1 [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | |
|-----------|------------|--------------------|--------|-----------|------------|-----------|------------|-----------|------------|--|
| 125 | 63 | 753 200 801 | 2.115 | 366 | 215 | 92 | 61 | 7.4 | 3.8 | |
| 125 | 75 | 753 200 810 | 1.806 | 366 | 235 | 92 | 72 | 7.4 | 4.5 | |
| 125 | 90 | 753 200 811 | 1.712 | 366 | 235 | 92 | 80 | 7.4 | 5.4 | |
| 140 | 75 | 753 200 812 | 2.820 | 396 | 240 | 92 | 70 | 8.3 | 4.5 | |
| 140 | 90 | 753 200 822 | 2.211 | 396 | 240 | 92 | 78 | 8.3 | 5.4 | |
| 140 | 110 | 753 200 823 | 2.266 | 396 | 235 | 92 | 82 | 8.3 | 6.6 | |
| 140 | 125 | 753 200 824 | 2.317 | 396 | 240 | 92 | 87 | 8.3 | 7.4 | |
| 160 | 125 | 753 200 825 | 3.311 | 428 | 265 | 104 | 90 | 9.5 | 5.4 | |
| 160 | 140 | 753 200 826 | 3.416 | 428 | 280 | 104 | 96 | 9.5 | 8.3 | |
| 180 | 110 | 753 200 827 | 4.410 | 460 | 285 | 105 | 92 | 10.7 | 6.6 | |
| 180 | 125 | 753 200 845 | 4.460 | 460 | 285 | 105 | 90 | 10.7 | 7.4 | |
| 180 | 140 | 753 200 846 | 4.483 | 460 | 305 | 105 | 110 | 10.7 | 8.3 | |
| 200 | 125 | 753 200 847 | 5.886 | 500 | 310 | 115 | 92 | 11.9 | 7.4 | |
| 200 | 140 | 753 200 848 | 7.200 | 500 | 315 | 115 | 110 | 11.9 | 8.3 | |
| 200 | 180 | 753 200 849 | 6.900 | 500 | 315 | 115 | 110 | 11.9 | 10.7 | |
| 225 | 125 | 753 200 850 | 7.937 | 540 | 320 | 122 | 92 | 13.4 | 7.4 | |
| 225 | 140 | 753 200 855 | 8.780 | 540 | 345 | 122 | 110 | 13.4 | 8.3 | |
| 225 | 200 | 753 200 856 | 9.064 | 540 | 335 | 122 | 115 | 13.4 | 11.9 | |
| 250 | 180 | 753 200 857 | 15.000 | 576 | 340 | 130 | 105 | 14.8 | 10.7 | |
| 250 | 200 | 753 200 858 | 15.440 | 576 | 350 | 130 | 112 | 14.8 | 11.9 | |
| 250 | 225 | 753 200 859 | 15.620 | 576 | 370 | 130 | 120 | 14.8 | 13.4 | |
| 280 | 200 | 753 200 860 | 19.200 | 616 | 400 | 139 | 112 | 16.6 | 11.9 | |
| 280 | 225 | 753 200 861 | 19.500 | 616 | 400 | 139 | 120 | 16.6 | 13.4 | |
| 280 | 250 | 753 200 862 | 20.120 | 616 | 400 | 139 | 130 | 16.6 | 14.8 | |
| 315 | 200 | 753 200 863 | 18.700 | 690 | 480 | 150 | 134 | 18.7 | 11.9 | |
| 315 | 280 | 753 200 864 | 26.940 | 690 | 480 | 150 | 139 | 18.7 | 16.6 | |
| 355 | 250 | 753 200 865 | 35.770 | 818 | 480 | 165 | 130 | 21.1 | 14.8 | |
| 355 | 280 | 753 200 866 | 36.330 | 818 | 480 | 165 | 139 | 21.1 | 16.6 | |
| 355 | 315 | 753 200 867 | 37.740 | 818 | 490 | 165 | 150 | 21.1 | 18.7 | |
| 400 | 280 | 753 200 868 | 48.330 | 910 | 540 | 180 | 139 | 23.7 | 16.6 | |
| 400 | 315 | 753 200 869 | 48.880 | 910 | 580 | 180 | 150 | 23.7 | 18.7 | |
| 400 | 355 | 753 200 870 | 50.020 | 910 | 675 | 180 | 165 | 23.7 | 21.1 | |

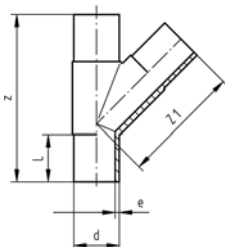
53 25 10

**Tee 45° equal PE100 SDR11**

- Long spigot version
- 10 bar Gas / 16 bar Water

| d [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | e [mm] | |
|-----------|--------------------|-------|-----------|------------|-----------|-----------|--|
| 63 | 753 251 011 | 0.463 | 255 | 158 | 63 | 5,8 | |
| 75 | 753 251 012 | 0.800 | 301 | 190 | 70 | 6,8 | |
| 90 | 753 251 013 | 1.373 | 368 | 234 | 79 | 8,2 | |
| 110 | 753 251 014 | 1.800 | 395 | 260 | 82 | 10,0 | |

53 25 10

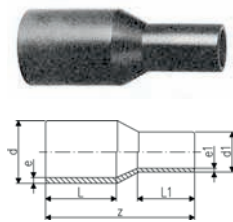
**Tee 45° equal PE100 SDR17/17,6**

- 5 bar Gas / 10 bar Water

| d [mm] | Code | kg | z [mm] | z1 [mm] | L [mm] | e [mm] | |
|-----------|--------------------|-------|-----------|------------|-----------|-----------|--|
| 90 | 753 251 063 | 0.800 | 368 | 234 | 79 | 5,4 | |
| 110 | 753 251 064 | 1.400 | 395 | 260 | 82 | 6,6 | |

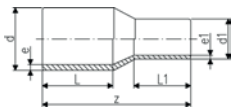
Reducer PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water



| d [mm] | d1 [mm] | Code | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | PF | |
|-----------|------------|--------------------|--------|-----------|-----------|------------|-----------|------------|--------------|--|
| 25 | 20 | 753 901 038 | 0.022 | 115 | 52 | 52 | 3,0 | 3,0 | 2 51 301 001 | |
| 32 | 20 | 753 901 042 | 0.027 | 120 | 54 | 52 | 3,0 | 3,0 | 2 51 301 001 | |
| 32 | 25 | 753 901 041 | 0.033 | 120 | 54 | 52 | 3,0 | 3,0 | 2 51 301 001 | |
| 40 | 20 | 753 901 048 | 0.043 | 129 | 57 | 52 | 3,7 | 3,0 | 2 51 301 001 | |
| 40 | 25 | 753 901 047 | 0.045 | 129 | 57 | 52 | 3,7 | 3,0 | 2 51 301 001 | |
| 40 | 32 | 753 901 046 | 0.047 | 129 | 57 | 53 | 3,7 | 3,0 | 2 51 301 001 | |
| 50 | 20 | 753 901 055 | 0.064 | 149 | 63 | 52 | 4,6 | 3,0 | 2 51 301 001 | |
| 50 | 25 | 753 901 054 | 0.069 | 139 | 63 | 52 | 4,6 | 3,0 | 2 51 301 001 | |
| 50 | 32 | 753 901 053 | 0.067 | 140 | 63 | 53 | 4,6 | 3,0 | 2 51 301 001 | |
| 50 | 40 | 753 901 052 | 0.079 | 139 | 63 | 57 | 4,6 | 3,7 | 2 51 301 001 | |
| 63 | 32 | 753 901 060 | 0.113 | 149 | 65 | 53 | 5,8 | 3,0 | 2 51 301 001 | |
| 63 | 40 | 753 901 059 | 0.122 | 150 | 65 | 57 | 5,8 | 3,7 | 2 51 301 001 | |
| 63 | 50 | 753 901 058 | 0.128 | 150 | 65 | 63 | 5,8 | 4,6 | 2 51 301 001 | |
| 75 | 40 | 753 901 063 | 0.185 | 170 | 72 | 57 | 6,8 | 3,7 | 2 51 301 001 | |
| 75 | 50 | 753 901 064 | 0.188 | 170 | 72 | 63 | 6,8 | 4,6 | 2 51 301 001 | |
| 75 | 63 | 753 901 065 | 0.209 | 170 | 72 | 65 | 6,8 | 5,8 | 2 51 301 001 | |
| 90 | 50 | 753 901 072 | 0.289 | 190 | 81 | 63 | 8,2 | 4,6 | 2 51 301 001 | |
| 90 | 63 | 753 901 071 | 0.316 | 190 | 81 | 65 | 8,2 | 5,8 | 2 51 301 001 | |
| 90 | 75 | 753 901 070 | 0.351 | 190 | 81 | 70 | 8,2 | 6,8 | 2 51 301 001 | |
| 110 | 63 | 753 901 078 | 0.471 | 205 | 86 | 65 | 10,0 | 5,8 | 2 51 301 001 | |
| 110 | 75 | 753 901 077 | 0.501 | 205 | 86 | 70 | 10,0 | 6,8 | 2 51 301 001 | |
| 110 | 90 | 753 901 076 | 0.549 | 205 | 86 | 81 | 10,0 | 8,2 | 2 51 301 001 | |
| 125 | 63 | 753 901 083 | 0.607 | 214 | 87 | 63 | 11,4 | 5,8 | 2 51 301 001 | |
| 125 | 75 | 753 901 082 | 0.667 | 210 | 92 | 72 | 11,4 | 6,8 | 2 51 301 001 | |
| 125 | 90 | 753 901 081 | 0.683 | 212 | 92 | 81 | 11,4 | 8,2 | 2 51 301 001 | |
| 125 | 110 | 753 901 080 | 0.775 | 212 | 92 | 86 | 11,4 | 10,0 | 2 51 301 001 | |
| 140 | 75 | 753 901 086 | 0.910 | 230 | 110 | 70 | 12,7 | 6,8 | 2 51 301 001 | |
| 140 | 90 | 753 901 087 | 0.954 | 230 | 110 | 79 | 12,7 | 8,2 | 2 51 301 001 | |
| 140 | 110 | 753 901 084 | 0.977 | 234 | 110 | 88 | 12,7 | 10,0 | 2 51 301 001 | |
| 140 | 125 | 753 901 085 | 1.078 | 235 | 110 | 90 | 12,7 | 11,4 | 2 51 301 001 | |
| 160 | 90 | 753 901 088 | 1.164 | 244 | 120 | 79 | 14,6 | 8,2 | 2 51 301 001 | |
| 160 | 110 | 753 901 090 | 1.239 | 244 | 102 | 86 | 14,6 | 10,0 | 2 51 301 001 | |
| 160 | 125 | 753 901 089 | 1.333 | 245 | 102 | 92 | 14,6 | 11,4 | 2 51 301 001 | |
| 160 | 140 | 753 901 032 | 1.522 | 260 | 120 | 110 | 14,6 | 12,7 | 2 51 301 001 | |
| 180 | 90 | 753 901 073 | 1.507 | 245 | 105 | 79 | 16,4 | 8,2 | 2 51 301 001 | |
| 180 | 110 | 753 901 074 | 1.833 | 270 | 105 | 82 | 16,4 | 10,0 | 2 51 301 001 | |
| 180 | 125 | 753 901 091 | 1.723 | 258 | 107 | 92 | 16,4 | 11,4 | 2 51 301 001 | |
| 180 | 140 | 753 901 075 | 1.976 | 270 | 120 | 110 | 16,4 | 12,7 | 2 51 301 001 | |
| 180 | 160 | 753 901 033 | 1.968 | 255 | 107 | 102 | 16,4 | 14,6 | 2 51 301 001 | |
| 200 | 140 | 753 901 066 | 2.326 | 275 | 120 | 110 | 18,2 | 12,7 | 2 51 301 001 | |
| 200 | 160 | 753 901 092 | 2.422 | 265 | 117 | 102 | 18,2 | 14,6 | 2 51 301 001 | |
| 200 | 180 | 753 901 034 | 2.724 | 265 | 117 | 107 | 18,2 | 16,4 | 2 51 301 001 | |
| 225 | 140 | 753 901 067 | 2.900 | 295 | 130 | 110 | 20,5 | 12,7 | 2 51 301 001 | |
| 225 | 160 | 753 901 096 | 2.891 | 279 | 122 | 102 | 20,5 | 14,6 | 2 51 301 001 | |
| 225 | 180 | 753 901 095 | 3.244 | 280 | 122 | 107 | 20,5 | 16,4 | 2 51 301 001 | |
| 225 | 200 | 753 901 094 | 3.538 | 280 | 122 | 117 | 20,5 | 18,2 | 2 51 301 001 | |
| 250 | 160 | 753 901 000 | 2.385 | 300 | 130 | 100 | 22,7 | 14,6 | 2 51 301 002 | |
| 250 | 180 | 753 901 068 | 4.299 | 295 | 130 | 105 | 22,7 | 16,4 | 2 51 301 002 | |
| 250 | 200 | 753 901 001 | 4.766 | 315 | 130 | 112 | 22,7 | 18,2 | 2 51 301 002 | |
| 250 | 225 | 753 901 002 | 2.385 | 332 | 130 | 120 | 22,7 | 20,5 | 2 51 301 002 | |
| 280 | 200 | 753 901 098 | 6.850 | 333 | 140 | 112 | 25,4 | 18,2 | 2 51 301 002 | |
| 280 | 225 | 753 901 099 | 6.112 | 335 | 140 | 120 | 25,4 | 20,5 | 2 51 301 002 | |
| 280 | 250 | 753 901 003 | 2.385 | 340 | 140 | 130 | 25,4 | 22,7 | 2 51 301 002 | |
| 315 | 200 | 753 901 004 | 7.522 | 380 | 180 | 134 | 28,6 | 18,2 | 2 51 301 002 | |
| 315 | 225 | 753 901 097 | 7.790 | 365 | 150 | 120 | 28,6 | 20,5 | 2 51 301 002 | |
| 315 | 250 | 753 901 005 | 8.360 | 365 | 150 | 130 | 28,6 | 22,7 | 2 51 301 002 | |
| 315 | 280 | 753 901 012 | 8.800 | 365 | 150 | 139 | 28,6 | 25,4 | 2 51 301 002 | |
| 355 | 250 | 753 901 013 | 9.100 | 390 | 165 | 130 | 32,3 | 22,7 | 2 51 301 008 | |
| 355 | 280 | 753 901 014 | 9.500 | 390 | 165 | 139 | 32,3 | 25,4 | 2 51 301 008 | |
| 355 | 315 | 753 901 015 | 9.900 | 390 | 165 | 150 | 32,3 | 28,6 | 2 51 301 008 | |
| 400 | 280 | 753 901 016 | 10.420 | 415 | 180 | 139 | 36,4 | 25,4 | 2 51 301 008 | |
| 400 | 315 | 753 901 017 | 11.130 | 415 | 180 | 150 | 36,4 | 28,6 | 2 51 301 008 | |

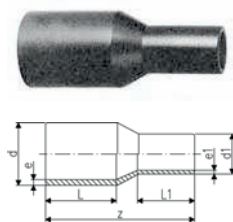
table continued next page



| d [mm] | d1 [mm] | Code | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | PF | |
|------------------|-------------------|--------------------|-----------|------------------|------------------|-------------------|------------------|-------------------|--------------|--|
| 400 | 355 | 753 901 018 | 11.600 | 420 | 180 | 165 | 36,4 | 32,3 | 2 51 301 008 | |
| 450 | 280 | 753 901 019 | 16.200 | 389 | 195 | 139 | 40,9 | 25,4 | 2 51 301 008 | |
| 450 | 315 | 753 901 020 | 16.700 | 390 | 195 | 150 | 40,9 | 28,6 | 2 51 301 008 | |
| 450 | 355 | 753 901 022 | 17.500 | 393 | 195 | 164 | 40,9 | 32,3 | 2 51 301 008 | |
| 450 | 400 | 753 901 024 | 18.500 | 395 | 195 | 179 | 40,9 | 36,4 | 2 51 301 008 | |
| 500 | 315 | 753 901 025 | 21.900 | 422 | 212 | 150 | 45,5 | 28,6 | 2 51 301 008 | |
| 500 | 355 | 753 901 026 | 22.600 | 424 | 212 | 164 | 45,5 | 32,3 | 2 51 301 008 | |
| 500 | 400 | 753 901 027 | 23.600 | 426 | 212 | 179 | 45,5 | 36,4 | 2 51 301 008 | |
| 500 | 450 | 753 901 029 | 25.100 | 428 | 212 | 195 | 45,5 | 40,9 | 2 51 301 008 | |
| 560 | 355 | 753 901 030 | 30.100 | 459 | 230 | 164 | 50,9 | 32,3 | 2 51 301 008 | |
| 560 | 400 | 753 901 039 | 31.000 | 461 | 230 | 179 | 50,9 | 36,4 | 2 51 301 008 | |
| 560 | 450 | 753 901 040 | 32.400 | 463 | 230 | 195 | 50,9 | 40,9 | 2 51 301 008 | |
| 560 | 500 | 753 901 043 | 34.100 | 466 | 230 | 212 | 50,9 | 45,5 | 2 51 301 008 | |
| 630 | 400 | 753 901 044 | 41.900 | 502 | 250 | 179 | 57,3 | 36,4 | 2 51 301 008 | |
| 630 | 450 | 753 901 045 | 43.100 | 503 | 250 | 195 | 57,3 | 40,9 | 2 51 301 008 | |
| 630 | 500 | 753 901 049 | 44.700 | 506 | 250 | 212 | 57,3 | 45,5 | 2 51 301 008 | |
| 630 | 560 | 753 901 050 | 46.800 | 506 | 250 | 230 | 57,3 | 50,9 | 2 51 301 008 | |

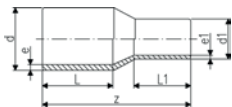
Reducer PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water



| d [mm] | d1 [mm] | Code | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | PF | |
|-----------|------------|-------------|--------|-----------|-----------|------------|-----------|------------|--------------|--|
| 90 | 63 | 753 900 872 | 0.224 | 182 | 79 | 70 | 5,4 | 3,8 | 2 51 301 001 | |
| 90 | 75 | 753 900 870 | 0.234 | 185 | 79 | 70 | 5,4 | 4,5 | 2 51 301 001 | |
| 110 | 63 | 753 900 877 | 0.326 | 185 | 82 | 63 | 6,6 | 3,8 | 2 51 301 001 | |
| 110 | 90 | 753 900 876 | 0.333 | 205 | 85 | 80 | 6,6 | 5,4 | 2 51 301 001 | |
| 125 | 63 | 753 900 882 | 0.610 | 200 | 87 | 63 | 7,4 | 3,8 | 2 51 301 001 | |
| 125 | 90 | 753 900 881 | 0.461 | 215 | 90 | 80 | 7,4 | 5,4 | 2 51 301 001 | |
| 125 | 110 | 753 900 880 | 0.507 | 215 | 90 | 85 | 7,4 | 6,6 | 2 51 301 001 | |
| 140 | 75 | 753 900 886 | 0.560 | 230 | 112 | 70 | 8,3 | 4,5 | 2 51 301 001 | |
| 140 | 90 | 753 900 887 | 0.642 | 230 | 112 | 79 | 8,3 | 5,4 | 2 51 301 001 | |
| 140 | 110 | 753 900 884 | 0.715 | 230 | 112 | 82 | 8,3 | 6,6 | 2 51 301 001 | |
| 140 | 125 | 753 900 885 | 0.754 | 235 | 115 | 87 | 8,3 | 7,4 | 2 51 301 001 | |
| 160 | 90 | 753 900 888 | 0.752 | 248 | 120 | 85 | 9,5 | 5,4 | 2 51 301 001 | |
| 160 | 110 | 753 900 890 | 0.930 | 245 | 100 | 85 | 9,5 | 6,6 | 2 51 301 001 | |
| 160 | 125 | 753 900 889 | 0.930 | 245 | 100 | 90 | 9,5 | 7,4 | 2 51 301 001 | |
| 160 | 140 | 753 900 831 | 0.995 | 260 | 120 | 110 | 9,5 | 8,3 | 2 51 301 001 | |
| 180 | 90 | 753 900 873 | 1.010 | 237 | 105 | 79 | 10,7 | 5,4 | 2 51 301 001 | |
| 180 | 110 | 753 900 874 | 1.600 | 270 | 120 | 92 | 10,7 | 6,6 | 2 51 301 001 | |
| 180 | 125 | 753 900 891 | 1.165 | 255 | 105 | 90 | 10,7 | 7,4 | 2 51 301 001 | |
| 180 | 140 | 753 900 875 | 1.720 | 270 | 120 | 110 | 10,7 | 8,3 | 2 51 301 001 | |
| 180 | 160 | 753 900 832 | 2.100 | 255 | 105 | 100 | 10,7 | 9,5 | 2 51 301 001 | |
| 200 | 140 | 753 900 866 | 1.800 | 275 | 120 | 110 | 11,9 | 8,3 | 2 51 301 001 | |
| 200 | 160 | 753 900 892 | 1.664 | 265 | 115 | 100 | 11,9 | 9,5 | 2 51 301 001 | |
| 200 | 180 | 753 900 893 | 2.580 | 265 | 115 | 105 | 11,9 | 10,7 | 2 51 301 001 | |
| 225 | 140 | 753 900 867 | 2.021 | 280 | 120 | 100 | 13,4 | 8,3 | 2 51 301 001 | |
| 225 | 160 | 753 900 896 | 2.020 | 280 | 120 | 100 | 13,4 | 9,5 | 2 51 301 001 | |
| 225 | 180 | 753 900 895 | 2.240 | 280 | 120 | 105 | 13,4 | 10,7 | 2 51 301 001 | |
| 225 | 200 | 753 900 894 | 2.237 | 280 | 120 | 115 | 13,4 | 11,9 | 2 51 301 001 | |
| 250 | 160 | 753 900 800 | 2.850 | 290 | 130 | 100 | 14,8 | 9,5 | 2 51 301 002 | |
| 250 | 180 | 753 900 868 | 3.100 | 295 | 130 | 105 | 14,8 | 10,7 | 2 51 301 002 | |
| 250 | 200 | 753 900 801 | 3.210 | 302 | 130 | 112 | 14,8 | 11,9 | 2 51 301 002 | |
| 250 | 225 | 753 900 802 | 2.385 | 332 | 162 | 120 | 14,8 | 13,4 | 2 51 301 002 | |
| 280 | 200 | 753 900 898 | 3.800 | 333 | 140 | 112 | 16,6 | 11,9 | 2 51 301 002 | |
| 280 | 225 | 753 900 899 | 4.100 | 335 | 140 | 120 | 16,6 | 13,4 | 2 51 301 002 | |
| 280 | 250 | 753 900 803 | 4.352 | 340 | 140 | 130 | 16,6 | 14,8 | 2 51 301 002 | |
| 315 | 200 | 753 900 804 | 5.390 | 380 | 180 | 134 | 18,7 | 11,9 | 2 51 301 002 | |
| 315 | 225 | 753 900 807 | 6.200 | 365 | 150 | 120 | 18,7 | 13,4 | 2 51 301 002 | |
| 315 | 250 | 753 900 805 | 6.420 | 365 | 150 | 130 | 18,7 | 14,8 | 2 51 301 002 | |
| 315 | 280 | 753 900 806 | 5.940 | 365 | 150 | 140 | 18,7 | 16,6 | 2 51 301 002 | |
| 355 | 250 | 753 900 808 | 7.082 | 390 | 165 | 130 | 21,1 | 14,8 | 2 51 301 008 | |
| 355 | 280 | 753 900 809 | 6.728 | 390 | 165 | 140 | 21,1 | 16,6 | 2 51 301 008 | |
| 355 | 315 | 753 900 810 | 7.240 | 390 | 165 | 150 | 21,1 | 18,7 | 2 51 301 008 | |
| 400 | 280 | 753 900 811 | 7.930 | 415 | 180 | 140 | 23,7 | 16,6 | 2 51 301 008 | |
| 400 | 315 | 753 900 812 | 9.949 | 415 | 180 | 150 | 23,7 | 18,7 | 2 51 301 008 | |
| 400 | 355 | 753 900 813 | 9.620 | 420 | 180 | 165 | 23,7 | 21,1 | 2 51 301 008 | |
| 450 | 280 | 753 900 814 | 11.500 | 389 | 195 | 140 | 26,7 | 16,6 | 2 51 301 008 | |
| 450 | 315 | 753 900 815 | 11.805 | 390 | 195 | 150 | 26,7 | 18,7 | 2 51 301 008 | |
| 450 | 355 | 753 900 816 | 11.900 | 393 | 195 | 164 | 26,7 | 21,1 | 2 51 301 008 | |
| 450 | 400 | 753 900 817 | 12.964 | 395 | 195 | 179 | 26,7 | 23,7 | 2 51 301 008 | |
| 500 | 315 | 753 900 818 | 15.500 | 422 | 212 | 150 | 29,7 | 18,7 | 2 51 301 008 | |
| 500 | 355 | 753 900 819 | 15.700 | 424 | 212 | 164 | 29,7 | 21,1 | 2 51 301 008 | |
| 500 | 400 | 753 900 820 | 16.200 | 426 | 212 | 179 | 29,7 | 23,7 | 2 51 301 008 | |
| 500 | 450 | 753 900 821 | 17.000 | 428 | 212 | 195 | 29,7 | 26,7 | 2 51 301 008 | |
| 560 | 355 | 753 900 822 | 21.400 | 459 | 230 | 164 | 33,2 | 21,1 | 2 51 301 008 | |
| 560 | 400 | 753 900 823 | 21.700 | 461 | 230 | 179 | 33,2 | 23,7 | 2 51 301 008 | |
| 560 | 450 | 753 900 824 | 22.300 | 463 | 230 | 195 | 33,2 | 26,7 | 2 51 301 008 | |
| 560 | 500 | 753 900 825 | 23.200 | 466 | 230 | 212 | 33,2 | 29,7 | 2 51 301 008 | |
| 630 | 400 | 753 900 826 | 29.700 | 502 | 250 | 179 | 37,4 | 23,7 | 2 51 301 008 | |
| 630 | 450 | 753 900 827 | 30.100 | 503 | 250 | 195 | 37,4 | 26,7 | 2 51 301 008 | |
| 630 | 500 | 753 900 828 | 30.800 | 506 | 250 | 212 | 37,4 | 29,7 | 2 51 301 008 | |
| 630 | 560 | 753 900 829 | 31.900 | 506 | 250 | 230 | 37,4 | 33,3 | 2 51 301 008 | |
| 710 | 500 | 753 900 833 | 58.796 | 790 | 300 | 300 | 42,1 | 29,7 | 2 51 301 008 | |
| 710 | 560 | 753 900 834 | 60.578 | 770 | 300 | 300 | 42,1 | 33,2 | 2 51 301 008 | |

table continued next page



| d [mm] | d1 [mm] | Code | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | PF | |
|-----------|------------|--------------------|---------|-----------|-----------|------------|-----------|------------|--------------|--|
| 710 | 630 | 753 900 835 | 62.448 | 740 | 300 | 300 | 42,1 | 37,4 | 2 51 301 008 | |
| 800 | 560 | 753 900 836 | 75.842 | 800 | 300 | 300 | 47,4 | 33,2 | 2 51 301 008 | |
| 800 | 630 | 753 900 837 | 78.255 | 780 | 300 | 300 | 47,4 | 37,4 | 2 51 301 008 | |
| 800 | 710 | 753 900 838 | 80.504 | 750 | 300 | 300 | 47,4 | 42,1 | 2 51 301 008 | |
| 900 | 630 | 753 900 839 | 99.282 | 820 | 300 | 300 | 53,3 | 37,4 | 2 51 301 008 | |
| 900 | 710 | 753 900 840 | 100.908 | 790 | 300 | 300 | 53,3 | 42,1 | 2 51 301 008 | |
| 900 | 800 | 753 900 841 | 103.578 | 760 | 300 | 300 | 53,3 | 47,4 | 2 51 301 008 | |
| 1000 | 710 | 753 900 842 | 124.232 | 820 | 300 | 300 | 59,3 | 42,1 | 2 51 301 008 | |
| 1000 | 800 | 753 900 843 | 125.277 | 780 | 300 | 300 | 59,3 | 47,4 | 2 51 301 008 | |
| 1000 | 900 | 753 900 844 | 126.638 | 740 | 300 | 300 | 59,3 | 53,3 | 2 51 301 008 | |

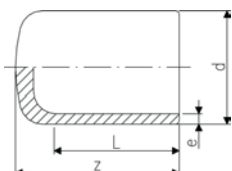
53 96 10

Cap PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water

Note:

* Fabricated fitting made from pipe



| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|--------|-----------|-----------|-----------|--------------|--|
| 20 | 753 961 006 | 0.010 | 52 | 52 | 3,0 | 2 51 301 001 | |
| 25 | 753 961 007 | 0.015 | 52 | 52 | 3,0 | 2 51 301 001 | |
| 32 | 753 961 008 | 0.020 | 54 | 54 | 3,0 | 2 51 301 001 | |
| 40 | 753 961 009 | 0.033 | 57 | 57 | 3,7 | 2 51 301 001 | |
| 50 | 753 961 010 | 0.054 | 63 | 63 | 4,6 | 2 51 301 001 | |
| 63 | 753 961 011 | 0.086 | 65 | 65 | 5,8 | 2 51 301 001 | |
| 75 | 753 961 012 | 0.146 | 80 | 72 | 6,8 | 2 51 301 001 | |
| 90 | 753 961 013 | 0.240 | 90 | 81 | 8,2 | 2 51 301 001 | |
| 110 | 753 961 014 | 0.373 | 98 | 86 | 10,0 | 2 51 301 001 | |
| 125 | 753 961 015 | 0.546 | 105 | 92 | 11,4 | 2 51 301 001 | |
| 140 | 753 961 016 | 0.727 | 136 | 92 | 12,7 | 2 51 301 001 | |
| 160 | 753 961 017 | 1.034 | 120 | 102 | 14,6 | 2 51 301 001 | |
| 180 | 753 961 018 | 1.351 | 128 | 107 | 16,4 | 2 51 301 001 | |
| 200 | 753 961 019 | 1.845 | 138 | 115 | 18,2 | 2 51 301 001 | |
| 225 | 753 961 020 | 2.514 | 148 | 122 | 20,5 | 2 51 301 001 | |
| 250 | 753 961 021 | 3.927 | 205 | 130 | 22,7 | 2 51 301 002 | |
| 280 | 753 960 922 | 8.045 | 235 | 139 | 25,4 | 2 51 301 002 | |
| 315 | 753 960 923 | 6.861 | 255 | 150 | 28,6 | 2 51 301 002 | |
| 355 | 753 960 924 | 9.780 | 280 | 165 | 32,3 | 2 51 301 008 | |
| 400 | 753 960 925 | 13.370 | 310 | 180 | 36,4 | 2 51 301 008 | |
| * 450 | 753 960 926 | 20.800 | 275 | 195 | 40,9 | 2 51 301 008 | |
| * 500 | 753 960 927 | 28.400 | 297 | 212 | 45,5 | 2 51 301 008 | |
| * 560 | 753 960 928 | 39.100 | 325 | 230 | 50,9 | 2 51 301 008 | |
| * 630 | 753 960 929 | 59.700 | 355 | 250 | 57,3 | 2 51 301 008 | |

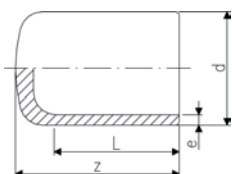
53 96 08

Cap PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water

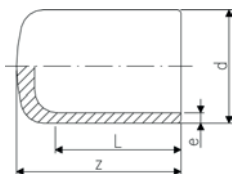
Note:

* Fabricated fitting made from pipe

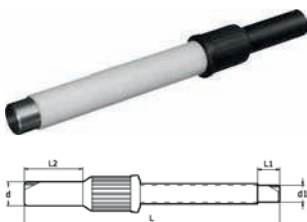


| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|-------|-----------|-----------|-----------|--------------|--|
| 50 | 753 960 810 | 0.036 | 70 | 55 | 3,0 | 2 51 301 001 | |
| 63 | 753 960 811 | 0.058 | 82 | 63 | 3,8 | 2 51 301 001 | |
| 75 | 753 960 812 | 0.105 | 92 | 70 | 4,5 | 2 51 301 001 | |
| 90 | 753 960 813 | 0.214 | 90 | 81 | 5,4 | 2 51 301 001 | |
| 110 | 753 960 814 | 0.272 | 98 | 86 | 6,6 | 2 51 301 001 | |
| 125 | 753 960 815 | 0.487 | 105 | 92 | 7,4 | 2 51 301 001 | |
| 140 | 753 960 816 | 0.481 | 136 | 92 | 8,3 | 2 51 301 001 | |
| 160 | 753 960 817 | 0.920 | 120 | 102 | 9,5 | 2 51 301 001 | |
| 180 | 753 960 818 | 1.216 | 128 | 107 | 10,7 | 2 51 301 001 | |
| 200 | 753 960 819 | 1.687 | 138 | 115 | 11,9 | 2 51 301 001 | |
| 225 | 753 960 820 | 2.265 | 148 | 122 | 13,4 | 2 51 301 001 | |
| 250 | 753 960 821 | 2.547 | 205 | 130 | 14,8 | 2 51 301 002 | |

table continued next page



| d [mm] | Code | kg | z [mm] | L [mm] | e [mm] | PF | |
|-----------|--------------------|---------|-----------|-----------|-----------|--------------|--|
| 280 | 753 960 822 | 3.523 | 235 | 139 | 16,6 | 2 51 301 002 | |
| 315 | 753 960 823 | 4.758 | 255 | 150 | 18,7 | 2 51 301 002 | |
| 355 | 753 960 824 | 6.510 | 280 | 165 | 21,1 | 2 51 301 008 | |
| 400 | 753 960 825 | 9.347 | 310 | 180 | 23,7 | 2 51 301 008 | |
| * 450 | 753 960 826 | 17.798 | 265 | 195 | 26,7 | 2 51 301 008 | |
| * 500 | 753 960 827 | 21.400 | 287 | 212 | 29,7 | 2 51 301 008 | |
| * 560 | 753 960 828 | 29.400 | 310 | 230 | 33,2 | 2 51 301 008 | |
| * 630 | 753 960 829 | 41.400 | 340 | 250 | 37,4 | 2 51 301 008 | |
| * 710 | 753 960 830 | 53.950 | 310 | 190 | 42,1 | 2 51 301 008 | |
| * 800 | 753 960 831 | 73.281 | 320 | 190 | 47,4 | 2 51 301 008 | |
| * 900 | 753 960 832 | 98.923 | 330 | 190 | 53,5 | 2 51 301 008 | |
| * 1000 | 753 960 833 | 123.925 | 340 | 190 | 59,3 | 2 51 301 008 | |



Transition fittings PE/steel

- **PE 100 SDR 11 (ISO S5)**
- 6 bar Gas / 16 bar Water
- Electrofusion weldable
- Steel pipe acc. to EN 10208-1, PE coated for corrosion resistance

* Steel pipe without plastic shroud

| d [mm] | d1 [inch] | Code | kg | d [mm] | L [mm] | L1 [mm] | L2 [mm] | |
|-----------|--------------|--------------------|--------|-----------|-----------|------------|------------|--|
| * 20 | ½ | 775 641 502 | 0.450 | 20 | 427 | 35 | 41 | |
| 25 | ¾ | 775 641 507 | 0.658 | 25 | 462 | 35 | 41 | |
| 32 | 1 | 775 641 510 | 0.988 | 32 | 462 | 35 | 44 | |
| 40 | 1 ¼ | 775 641 514 | 1.208 | 40 | 470 | 35 | 49 | |
| 50 | 1 ½ | 775 641 518 | 1.355 | 50 | 475 | 35 | 55 | |
| 63 | 2 | 775 641 524 | 2.011 | 63 | 480 | 35 | 63 | |
| 75 | 2 ½ | 775 641 632 | 2.983 | 75 | 545 | 35 | 70 | |
| 90 | 3 | 775 641 636 | 3.762 | 90 | 562 | 45 | 79 | |
| 110 | 3 | 775 641 640 | 4.381 | 110 | 580 | 45 | 82 | |
| 110 | 4 | 775 641 641 | 6.633 | 110 | 580 | 45 | 82 | |
| 125 | 4 | 775 641 645 | 6.833 | 125 | 584 | 45 | 87 | |
| 160 | 6 | 775 641 655 | 12.406 | 160 | 607 | 45 | 98 | |
| 180 | 6 | 775 641 659 | 11.935 | 180 | 605 | 45 | 105 | |
| 200 | 8 | 775 642 664 | 19.647 | 200 | 615 | 45 | 112 | |
| 225 | 8 | 775 642 669 | 20.154 | 225 | 620 | 45 | 120 | |
| 250 | 8 | 775 642 665 | 21.354 | 250 | 640 | 45 | 129 | |
| 250 | 10 | 775 642 666 | 30.000 | 250 | 645 | 45 | 129 | |
| 280 | 10 | 775 642 673 | 31.000 | 280 | 637 | 45 | 139 | |
| 315 | 12 | 775 642 672 | 35.000 | 315 | 730 | 45 | 150 | |
| 355 | 12 | 775 642 675 | 49.000 | 355 | 732 | 45 | 164 | |
| 400 | 16 | 775 642 678 | 94.000 | 400 | 770 | 45 | 179 | |