

Product Range
International
2010

Utility Systems



General Information

| | | |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging | GP pcs. pal. kg pal. vol. pal. | Pieces per Bulk Pack pieces per pallet weight per pallet volume per pallet (including pallet) |
| Measures, units and short cuts | d, d1, d2 DN L, L1, L2 H, H1, H2 e, e1, e2 kg SC AL S SDR | diameter nominal diameter length height wall thickness weight size of bolts number of bolt holes pipe series Standard Dimension Ratio |
| Working pressure | The pressure rating of Georg Fischer PE-Fittings refers to the calculated values of prEN 12201 and prEN 1555 considering the total security value. National Regulations and standards have to be observed. | |
| Specification | Georg Fischer Fittings meet the ISO-standards, CEN-standards (respectively draft standards) as well as other national standards. | |
| Approval | The Georg Fischer products are subjected to extensive internal and external tests and are approved by all major institutes and approval authorities (for example: DVGW, SVGW, KIWA, IIP, Gaz de France, Gas Natural, etc.). | |
| General Conditions of Supply | Please find the General Conditions of Supply on the last page. | |
| Works certificates | Works certificates corresponding EN 10204 2.2 will be delivered on request. Works certificates corresponding EN 10204 3.1 B will be delivered on request, we will charge CHF 20.– administrative costs. | |
| Quality management Environmental management | Quality management system is well established at Georg Fischer and is continuously improved to satisfy our customers. Georg Fischer Piping Systems are certified according to ISO 9001 as well as ISO 14001 (Environmental management). | |
| Technical documentation | For further technical information we offer you the Georg Fischer “Technical handbook distribution” and the detailed assembly instructions. | |
| Service, training and consultation | Our comprehensive training program offers you the possibility for extensive advice and training. Please reserve for a our training program for piping systems. | |
| Your partner | Georg Fischer is a world-wide organisation. Please find the address of your Georg Fischer partner on the back cover. | |

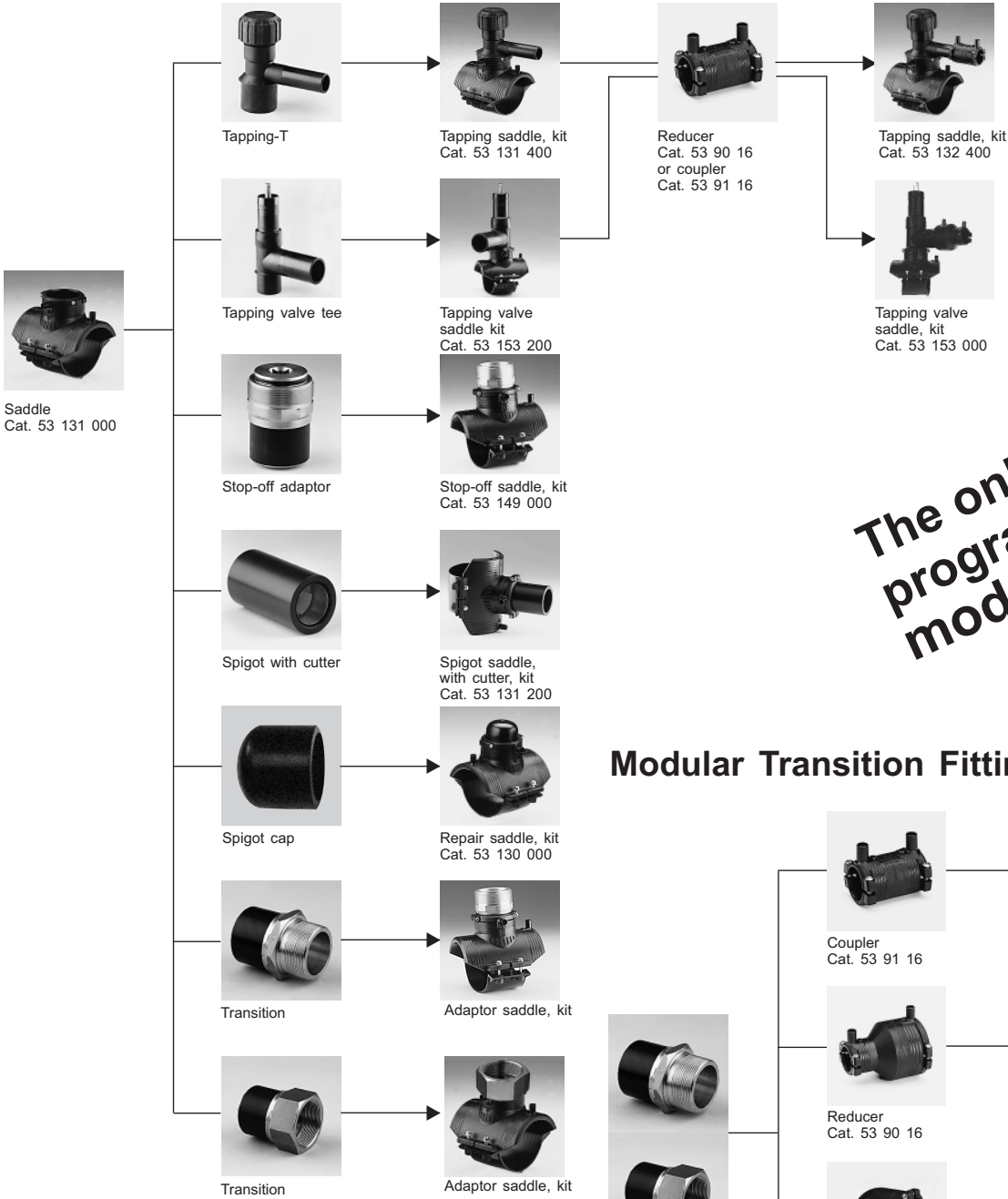
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Modular system ELGEF® Plus

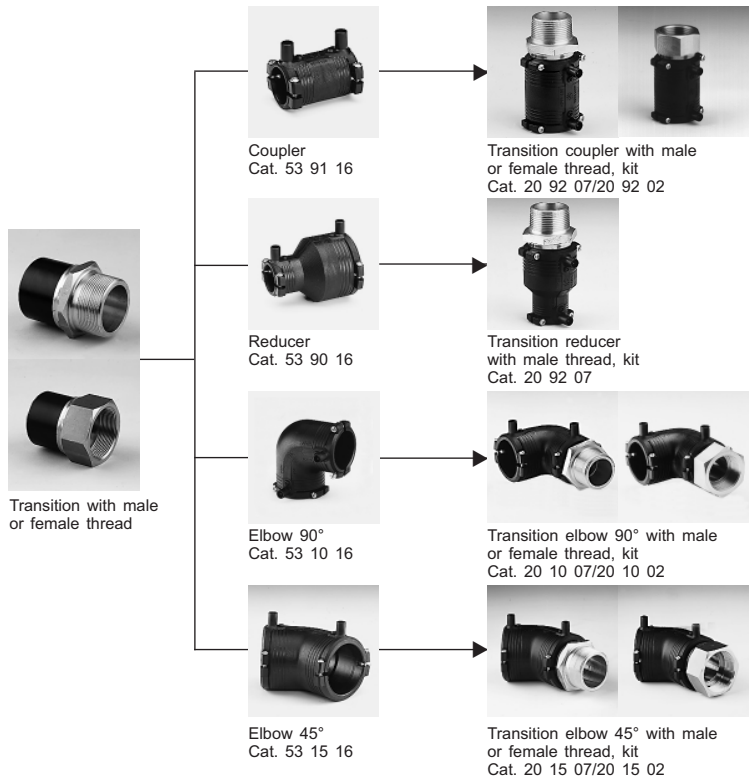
Less stock, higher flexibility, more variations – a contradiction? Not with the ELGEF Plus modular system. It is that easy:

Modular System Saddles



The only programme with a modular system

Modular Transition Fitting System



SQS herewith certifies that the company named below has a management system which meets the requirements of the normative bases specified below.

Georg Fischer Piping Systems Ltd. CH-8201 Schaffhausen

Certified area

**Georg Fischer Piping Systems Ltd., Schaffhausen
Georg Fischer Rohrleitungssysteme (Schweiz) AG,
Sales Company
Georg Fischer Wavin Ltd., Schaffhausen and
Subingen
Georg Fischer Building Technology Ltd., Schaffhausen
Georg Fischer Fluorpolymer Products GmbH,
Ettenheim**

Field of activity

The Piping Systems Group develops, manufactures and distributes plastic or metal components and systems for conducting, pumping, controlling, measuring and regulating liquids and gases and to this end provides comprehensive engineering and related services

Normative bases

**ISO 9001:2008 Quality Management System
ISO 14001:2004 Environmental Management System**

Swiss Association for Quality and
Management Systems SQS
Bernstrasse 103, CH-3052 Zollikofen
Issue date: May 28, 2009

This SQS Certificate is valid up to
and including May 27, 2012
Scope number 14
Registration number 10684



X. Edelmann, President SQS



T. Zahner, Managing Director SQS



SCESm 001



Swiss Made



+GF+



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and SQS

hereby certify that the organisation

**Georg Fischer Piping Systems Ltd.
CH-8201 Schaffhausen**

Certified area

**Georg Fischer Piping Systems Ltd., Schaffhausen
Georg Fischer Rohrleitungssysteme (Schweiz) AG, Sales Company
Georg Fischer Wavin Ltd., Schaffhausen and Subingen
Georg Fischer Building Technology Ltd., Schaffhausen
Georg Fischer Fluoropolymer Products GmbH, Ettenheim**

Field of activity

The Piping Systems Group develops, manufactures and distributes plastic or metal components and systems for conducting, pumping, controlling, measuring and regulating liquids and gases and to this end provides comprehensive engineering and related services

has implemented and maintains a

Management System

which fulfills the requirements of the following standard

ISO 9001:2008 / ISO 14001:2004

Scope No: 14

Issued on: 2009-05-28

Validity date: 2012-05-27

Registration Number: **CH-10684**



René Wasmer
President of IQNet

Theodor Zahner
Managing Director SQS

IQNet Partners:*

AENOR Spain AFNOR Certification France AIB-Vinçotte International Belgium ANCE Mexico APCER Portugal CISQ Italy CQC China
CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark ELOT Greece FCAV Brazil
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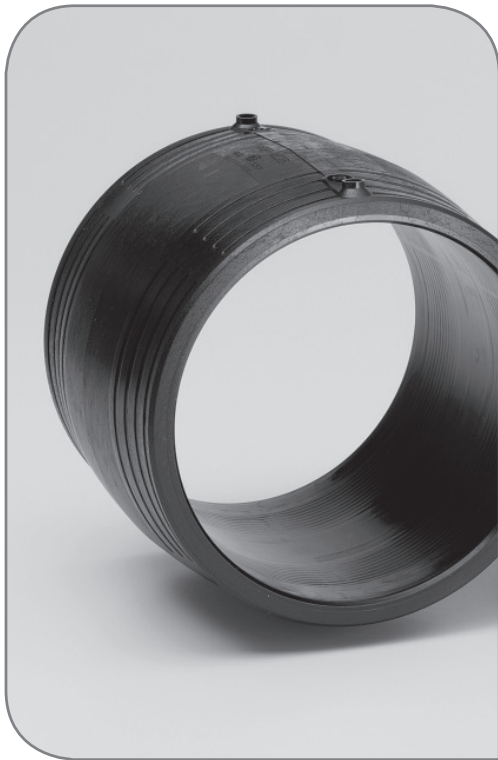
* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

ELGEF Plus APPROVALS



| Certification body | Certificate number | Material | Product range | Country |
|--------------------|--------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| DGS | 04 MAT.PA 002 | PE 100 | Electrofusion couplers | France |
| DGS | 04 MAT.PA 010 | PE 100 | Fittings, Spigot | France |
| DIBt | Z-40.23-282 | PE 100, PE 80 | Electrofusion couplers, Fittings, Butt Fusion - Transition, Fittings, Butt fusion, mm, Fittings, Socket fusion - Transition, Fittings, Socket fusion, mm, Union, Butt Fusion, Union, Socket Fusion | Germany |
| DIBt | Z-40.23-282 | PE 100, PE 80 | Electrofusion couplers, Fittings, Butt Fusion - Transition, Fittings, Butt fusion, mm, Fittings, Socket fusion - Transition, Fittings, Socket fusion, mm, Union, Butt Fusion, Union, Socket Fusion | Germany |
| DS | 1594-A | PE 100 | Electrofusion couplers, Electrofusion fittings, Electrofusion fittings, Electrofusion saddles | Denmark |
| DVGW | DV-6611AS2072 (GF) | PE 100 | Electrofusion tapping valves | Germany |
| DVGW | DV-8601AQ3257 (8601) | PE 100, PE 100/Brass, PE 100/Steel, PE 80 | Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot, Fittings, Transition | Germany |
| DVGW | DV-8606AQ3258 (8606) | PE 100, PE 100/Brass, PE 100/Steel, PE 80 | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot, Fittings, Transition | Germany |
| DVGW | DV-8611AQ3259 (8611) | PE 100, PE 80 | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot | Germany |
| ETI | 2-8-7/58 | PE 100, PE 100/Brass, PE 80 | Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot, Fittings, Transition, Valves | Estonia |
| GdF | 2002-082/AD | PE 100 | Electrofusion fittings | France |
| GdF | 2002-083/AD | PE 100 | Fittings, Spigot | France |
| GdF | 2003-033/PH | PE 100 | Electrofusion couplers | France |
| GdF | 2003-034/PH | PE 100 | Electrofusion saddles | France |
| GdF | 2004-081/AD | PE 100 | Electrofusion saddles | France |
| GdF | 95/020-AD | PE 100 | Electrofusion couplers | France |
| GdF | 95/052-AD | PE 100 | Electrofusion couplers | France |
| GdF | BTR | PE 100 | Valves, plug | France |
| GdF | PRISES SDG | PE 100 | Electrofusion saddles | France |





| Certification body | Certificate number | Material | Product range | Country |
|--------------------|---------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| ITC | 02 0426 V/AO | PE 100 | Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot | Czech Republic |
| MHEW | Water 2004 | Machine, PE 100, PE 80 | Electrofusion branch fitting, Electrofusion control units, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Butt fusion, mm | Oman |
| NIGC | Certificate acc IGS-MS-PL-014 part 2 | PE 100 | Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot | Iran |
| ON | ON-N 2005 120 ... 130 | PE 100, PE 100/Steel | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Spigot, Fittings, Transition | Austria |
| ÖVGW | G 1.321 | PE 100, PE 80 | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Socket fusion, mm, Fittings, Spigot | Austria |
| ÖVGW | G 2.450 | PE 100/Steel | Fittings, Transition | Austria |
| ÖVGW | W 1.229 | PE 100, PE 100/Brass, PE 100/Steel, PE 80 | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Socket fusion, mm, Fittings, Spigot, Fittings, Transition | Austria |
| PROMNAZOR | 7/727-1140 | PE 100, PE 80 | Electrofusion couplers, Electrofusion saddles, Fittings, Spigot | Kasastan |
| SVGW | G 02-014-9 | PE 100, PE 100/Steel, PE 80 | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Spigot, Fittings, Transition | Switzerland |
| SVGW | W 9506-K 192 | PE 100, PE 100/Brass, PE 100/Steel, PE 80 | Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Spigot, Fittings, Transition | Switzerland |
| WBS | 9901515 | PE 100 | Fittings | United Kingdom |
| WIS | Test Report acc WIS 4-32-14 Section 7.9 | PE 100 | Electrofusion couplers | United Kingdom |
| | | | | |



**ELGEF® Plus
Electrofusion System**

ELGEF Plus Couplers
ELGEF Plus Electrofusion fittings
ELGEF Plus Transition fittings

ELGEF Plus assembly instructions for sockets, fittings and transition adaptors

| | Sequence of tasks | End Caps d20-d63 | End Caps d75-d225 | Transition Adaptor d20-d63 | Transition Adaptor (loose nut) d20-d63 |
|----|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | |  |  |  |  |
| 1 | Clean pipe(s), cut at right angles and deburr | + | + | + | + |
| 2 | Remove oxidised layer on pipe(s) with peeling tool | + | + | O difficult assembly conditions | O difficult assembly conditions |
| 3 | Clean pipe(s) in fusion zone with Tangit cleaning cloth or Tangit PE cleaner | + | + | + | + |
| 4 | Mark insertion depth ¹ on the pipe | O | O | - | - |
| 5 | Remove fitting(s) from the bag without touching the fusion surface(s) | + | + | + | + |
| 6 | Screw or unscrew transition adaptor | - | - | + | O |
| 7 | Push pipe into socket up to centre stop or marking | + | + | - | - |
| 8 | Alternately, tighten integrated pipe clamp screws | + | - | - | - |
| 9 | Mount and tighten pipe clamp (if joint is under stress) | - | + | - | - |
| 10 | Push second pipe up to centre stop or marking | - | - | + | + |
| 11 | Alternately, tighten integrated pipe clamp screws | - | - | + | + |
| 12 | Mount and fix pipe clamp (if joint is under stress) | - | + | - | - |
| 13 | Complete fusion procedure in accordance with operating instructions for unit | + | + | + | + |
| 14 | After fusion, check indicators on fitting and the display in fusion control unit, then remove cables | + | + | + | + |
| 15 | Wait for cooling time ² , then remove pipe clamp if used | - | + | - | - |
| 16 | Screw or unscrew transition adaptor with loose nut (if used) | - | - | - | O |
| 17 | Wait for the minimum cooling time ² and conduct pressure test | + | + | + | + |



When using oval pipes, re-rounding clamps should be mounted on both sides of the fitting to be fused.

+ = compulsory
O = optional
- = unnecessary

Distribution

Application technology PE Assembly and operating instructions

Overview ELGEF® Plus couplers, fittings and transition adaptors

¹ Insertion depth for couplers and fittings

| d [mm] | Insertion depth L1 [mm] | |
|--------|-------------------------|-------|
| | SDR11 | SDR17 |
| 20 | 34 | |
| 25 | 34 | |
| 32 | 36 | |
| 40 | 40 | |
| 50 | 44 | |
| 63 | 48 | |
| 75 | 55 | |
| 90 | 62 | |
| 110 | 72 | |
| 125 | 79 | |
| 140 | 84 | |
| 160 | | 90 |
| 180 | | 95 |
| 200 | | 101 |
| 225 | | 110 |
| 250 | | 122 |
| 280 | | 126 |
| 315 | | 132 |
| 355 | | 122 |
| 400 | | 122 |
| 450 | | 145 |
| 500 | | 145 |
| 560 | | 196 |
| 630 | | 221 |

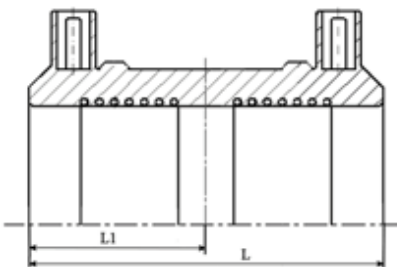
² Minimum cooling time for couplers and fittings in minutes

| d [mm] | SDR | Removal of clamp [min.] | Pressure test p ≤ 6 bar p ≤ 24 bar | |
|---------|-----|-------------------------|------------------------------------|--------|
| | | | [min.] | [min.] |
| 20-63 | 11 | 6 | 10 | 30 |
| 75-110 | 11 | 10 | 20 | 60 |
| 125-160 | 11 | 15 | 30 | 75 |
| 180-225 | 11 | 20 | 45 | 90 |
| 250-400 | 11 | 30 | 60 | 150 |

p = test pressure

| d [mm] | SDR | Removal of clamp [min.] | Pressure test p ≤ 6 bar p ≤ 24 bar | |
|---------|-----|-------------------------|------------------------------------|--------|
| | | | [min.] | [min.] |
| 125-160 | 17 | 15 | 30 | 75 |
| 180-225 | 17 | 20 | 45 | 90 |
| 250-400 | 17 | 30 | 60 | 150 |
| 450-500 | 17 | 40 | 60 | 150 |
| 560-630 | 17 | 60 | 60 | 150 |

p = test pressure



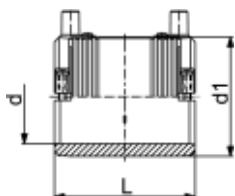
ELGEF Plus Electrofusion Fittings

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



PF 2 51 312 001

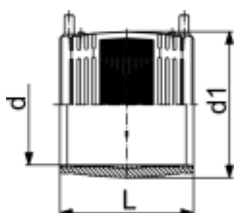
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] |
|--------|-------------|----|-------|---------|--------|
| 20 | 753 911 606 | 50 | 0.054 | 31 | 68 |
| 25 | 753 911 607 | 50 | 0.060 | 36 | 68 |
| 32 | 753 911 608 | 50 | 0.072 | 44 | 72 |
| 40 | 753 911 609 | 50 | 0.100 | 54 | 80 |
| 50 | 753 911 610 | 10 | 0.136 | 66 | 88 |
| 63 | 753 911 611 | 10 | 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



PF 2 51 312 002

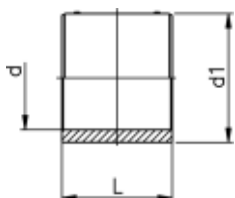
| d [mm] | Code | d1 [mm] | L [mm] |
|--------|-------------|---------|--------|
| 75 | 753 911 612 | 96 | 110 |
| 90 | 753 911 613 | 113 | 125 |
| 110 | 753 911 614 | 138 | 145 |
| 125 | 753 911 615 | 154 | 158 |
| 140 | 753 911 616 | 172 | 168 |
| 160 | 753 911 617 | 196 | 180 |
| 180 | 753 911 618 | 219 | 194 |
| 200 | 753 911 619 | 244 | 208 |
| 225 | 753 911 620 | 273 | 224 |
| 250 | 753 911 621 | 304 | 244 |
| 280 | 753 911 622 | 340 | 252 |
| 315 | 753 911 623 | 382 | 268 |
| 355 | 753 911 624 | 432 | 290 |
| 400 | 753 911 625 | 487 | 290 |

53 91 18



Coupler

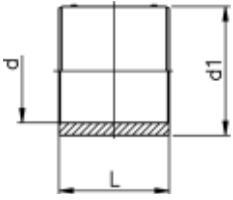
- PE 100 SDR 17 (ISO S8)
- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- d160 with removable centre stop



PF 2 51 312 002

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] |
|--------|-------------|----|--------|---------|--------|
| 160 | 753 911 817 | 6 | 1.050 | 186 | 180 |
| 180 | 753 911 818 | 5 | 1.450 | 213 | 194 |
| 200 | 753 911 819 | 4 | 1.800 | 233 | 208 |
| 225 | 753 911 820 | 3 | 2.385 | 261 | 224 |
| 250 | 753 911 821 | 2 | 4.345 | 304 | 244 |
| 280 | 753 911 822 | 1 | 5.675 | 340 | 252 |
| 315 | 753 911 823 | 1 | 8.000 | 382 | 268 |
| 355 | 753 911 824 | 1 | 8.200 | 414 | 290 |
| 400 | 753 911 825 | 1 | 15.993 | 487 | 290 |
| 450 | 753 911 826 | 1 | 16.000 | 522 | 313 |
| 500 | 753 911 827 | 1 | 19.000 | 579 | 343 |

53 91 18

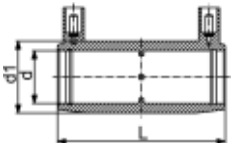


PF 2 51 312 002

Coupler

- PE 100 SDR 17 (ISO S8)
- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- 2 separate welding zones
- **Installation only with pressure pad kit (799 301 561)**
- For welding with MSA fusion units a generator with min. 4 kW power output is recommended

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | |
|--------|--------------------|----|--------|---------|--------|--|
| 560 | 753 911 828 | 1 | 25.500 | 638 | 392 | |
| 630 | 753 911 829 | 1 | 35.000 | 716 | 442 | |



PF 2 51 312 008

Coupler long

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

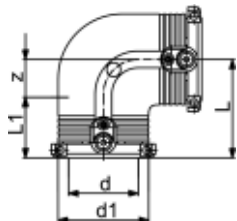
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | z [mm] | |
|--------|--------------------|-----|-------|---------|--------|--------|--|
| 32 | 753 911 208 | 288 | 0.084 | 44 | 104 | 2 | |
| 40 | 753 911 209 | 128 | 0.135 | 56 | 121 | 2 | |
| 50 | 753 911 210 | 96 | 0.215 | 68 | 139 | 2 | |
| 63 | 753 911 211 | 48 | 0.318 | 82 | 166 | 2 | |

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



PF 2 51 314 001

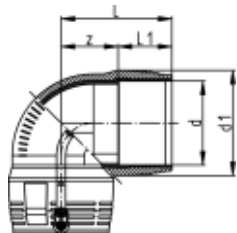
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|-------------|----|-------|---------|--------|---------|--------|
| 20 | 753 101 606 | 10 | 0.093 | 35 | 54 | 34 | 20 |
| 25 | 753 101 607 | 10 | 0.078 | 35 | 54 | 34 | 20 |
| 32 | 753 101 608 | 10 | 0.098 | 44 | 53 | 36 | 17 |
| 40 | 753 101 609 | 10 | 0.142 | 54 | 62 | 39 | 23 |
| 50 | 753 101 610 | 10 | 0.215 | 66 | 71 | 43 | 28 |
| 63 | 753 101 611 | 10 | 0.280 | 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



PF 2 51 314 001

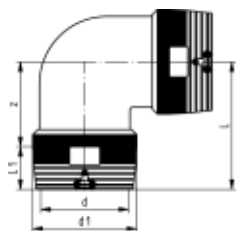
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|-------------|----|-------|---------|--------|---------|--------|
| 75 | 753 101 812 | 33 | 0.530 | 97 | 101 | 61 | 40 |
| 90 | 753 101 813 | 15 | 0.676 | 115 | 122 | 62 | 60 |
| 110 | 753 101 814 | 8 | 1.190 | 140 | 147 | 72 | 76 |
| 125 | 753 101 815 | 5 | 2.000 | 151 | 142 | 74 | 68 |
| 160 | 753 101 817 | 4 | 3.433 | 196 | 178 | 92 | 86 |
| 180 | 753 101 818 | 4 | 4.286 | 219 | 195 | 95 | 100 |

53 10 18



Elbow 90°

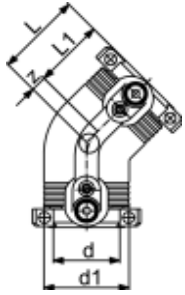
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones



PF 2 51 314 007

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|-------------|----|--------|---------|--------|---------|--------|
| 200 | 753 101 819 | 1 | 8.173 | 245 | 265 | 104 | 161 |
| 225 | 753 101 820 | 1 | 12.440 | 274 | 305 | 112 | 193 |
| 250 | 753 101 821 | 1 | 15.800 | 305 | 335 | 123 | 212 |

53 15 16



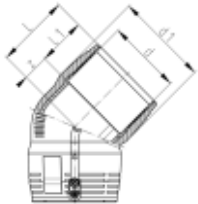
PF 2 51 314 001

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 | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|--------------------|----|-------|------------|-----------|------------|-----------|
| 32 | 753 151 608 | 20 | 0.087 | 44 | 44 | 36 | 8 |
| 40 | 753 151 609 | 10 | 0.121 | 54 | 50 | 39 | 11 |
| 50 | 753 151 610 | 10 | 0.140 | 66 | 56 | 43 | 13 |
| 63 | 753 151 611 | 10 | 0.274 | 81 | 63 | 48 | 15 |

53 15 18



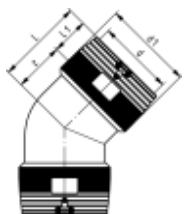
PF 2 51 314 001

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 | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|--------------------|----|-------|------------|-----------|------------|-----------|
| 75 | 753 151 812 | 40 | 0.437 | 97 | 79 | 62 | 17 |
| 90 | 753 151 813 | 20 | 0.537 | 115 | 91 | 62 | 29 |
| 110 | 753 151 814 | 12 | 0.974 | 140 | 112 | 72 | 40 |
| 125 | 753 151 815 | 6 | 1.420 | 160 | 127 | 78 | 49 |
| 160 | 753 151 817 | 5 | 1.800 | 196 | 134 | 92 | 42 |
| 180 | 753 151 818 | 1 | 3.200 | 217 | 142 | 95 | 47 |

53 15 18



PF 2 51 314 007

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

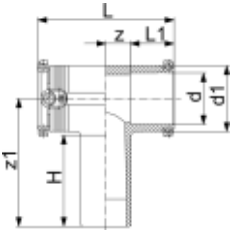
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|--------------------|----|--------|------------|-----------|------------|-----------|
| 200 | 753 151 819 | 1 | 6.810 | 245 | 215 | 104 | 111 |
| 225 | 753 151 820 | 1 | 10.590 | 274 | 235 | 112 | 123 |
| 250 | 753 151 821 | 1 | 12.740 | 305 | 263 | 123 | 140 |

53 21 16



Tee 90°, equal with integral pipe fixation

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



PF 2 51 314 001

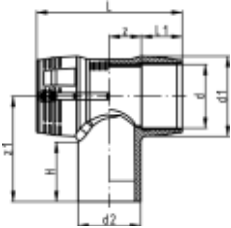
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|--------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 20 | 753 211 606 | 10 | 0.100 | 35 | 90 | 34 | 11 | 92 | 67 |
| 25 | 753 211 607 | 10 | 0.088 | 35 | 90 | 34 | 11 | 92 | 70 |
| 32 | 753 211 608 | 10 | 0.115 | 44 | 102 | 36 | 15 | 100 | 74 |
| 40 | 753 211 609 | 10 | 0.176 | 54 | 120 | 39 | 21 | 114 | 82 |
| 50 | 753 211 610 | 5 | 0.268 | 66 | 135 | 43 | 24 | 126 | 90 |
| 63 | 753 211 611 | 5 | 0.429 | 81 | 152 | 48 | 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



PF 2 51 314 001

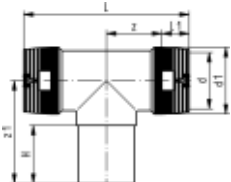
| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|--------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 75 | 753 201 812 | 26 | 0.597 | 97 | 187 | 61 | 33 | 126 | 78 |
| 90 | 753 201 813 | 10 | 0.910 | 115 | 205 | 62 | 41 | 161 | 94 |
| 110 | 753 201 814 | 6 | 1.420 | 140 | 255 | 72 | 56 | 184 | 104 |
| 125 | 753 201 815 | 4 | 1.980 | 151 | 256 | 75 | 53 | 174 | 92 |
| 160 | 753 201 817 | 3 | 4.893 | 196 | 325 | 92 | 71 | 206 | 103 |
| 180 | 753 201 818 | 2 | 6.770 | 225 | 344 | 90 | 82 | 250 | 110 |

53 20 18



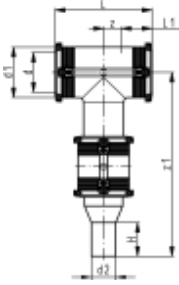
Tee 90°, equal

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



PF 2 51 314 007

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|--------|--------------------|----|--------|---------|--------|---------|--------|---------|--------|
| 200 | 753 201 819 | 1 | 10.100 | 245 | 560 | 104 | 176 | 250 | 117 |
| 225 | 753 201 820 | 1 | 15.145 | 274 | 610 | 112 | 193 | 270 | 122 |
| 250 | 753 201 821 | 1 | 18.100 | 305 | 667 | 123 | 211 | 288 | 127 |



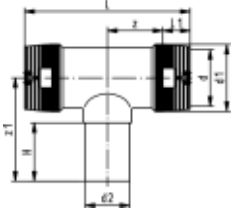
Tee 90°, reduced (Kit)

- 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 | 1.620 | 112 | 202 | 61 | 41 | 336 | 274 |
| 110 | 63 | 193 280 961 | 2.670 | 136 | 242 | 65 | 56 | 366 | 293 |
| 125 | 63 | 193 280 963 | 3.690 | 151 | 256 | 75 | 53 | 361 | 279 |
| 125 | 110 | 193 280 965 | 3.920 | 151 | 256 | 75 | 53 | 389 | 307 |
| 160 | 125 | 193 280 969 | 8.250 | 196 | 325 | 92 | 71 | 451 | 348 |
| 180 | 90 | 193 281 032 | 10.056 | 225 | 344 | 90 | 82 | 487 | 347 |
| 180 | 110 | 193 281 033 | 10.246 | 225 | 344 | 90 | 82 | 495 | 355 |

PF 2 51 314 001

53 21 10



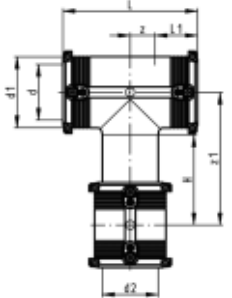
Tee 90°, reduced

- 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 | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|--------|---------|-------------|----|--------|---------|--------|---------|--------|---------|--------|
| 160 | 63 | 753 211 037 | 2 | 4.940 | 196 | 405 | 90 | 113 | 176 | 65 |
| 160 | 90 | 753 211 039 | 2 | 5.040 | 196 | 405 | 90 | 113 | 188 | 79 |
| 160 | 110 | 753 211 040 | 2 | 5.160 | 196 | 405 | 90 | 113 | 195 | 85 |
| 200 | 90 | 753 211 059 | 1 | 11.260 | 245 | 557 | 104 | 175 | 215 | 81 |
| 200 | 110 | 753 211 060 | 1 | 11.260 | 245 | 557 | 104 | 175 | 218 | 84 |
| 200 | 160 | 753 211 063 | 1 | 11.260 | 245 | 557 | 104 | 175 | 236 | 101 |
| 225 | 90 | 753 211 069 | 1 | 12.700 | 274 | 615 | 112 | 196 | 226 | 80 |
| 225 | 110 | 753 211 070 | 1 | 12.750 | 274 | 615 | 112 | 196 | 235 | 85 |
| 225 | 160 | 753 211 073 | 1 | 13.200 | 274 | 615 | 112 | 196 | 255 | 105 |
| 250 | 110 | 753 211 080 | - | 11.260 | 305 | 668 | 123 | 211 | 245 | 85 |
| 250 | 160 | 753 211 083 | 1 | 11.260 | 305 | 668 | 123 | 211 | 264 | 101 |

PF 2 51 314 001

53 20 16

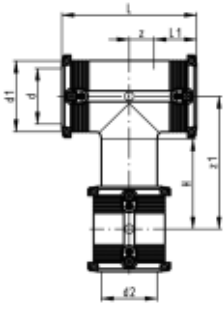


Tee 90° with weldable outlet (Kit) equal or reduced

- 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 | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|--------|---------|-------------|----|-------|---------|--------|---------|--------|---------|--------|
| 20 | 20 | 753 201 606 | 6 | 0.170 | 35 | 90 | 34 | 11 | 92 | 67 |
| 25 | 25 | 753 201 607 | 6 | 0.170 | 35 | 90 | 34 | 11 | 92 | 70 |
| 32 | 32 | 753 201 608 | 6 | 0.213 | 44 | 102 | 36 | 15 | 100 | 74 |
| 40 | 32 | 193 281 006 | - | 0.248 | 54 | 120 | 39 | 21 | 127 | 95 |
| 40 | 40 | 753 201 609 | 6 | 0.295 | 54 | 120 | 39 | 21 | 114 | 82 |
| 50 | 32 | 193 281 007 | 4 | 0.364 | 66 | 135 | 43 | 24 | 144 | 108 |
| 50 | 40 | 193 281 008 | 4 | 0.404 | 66 | 135 | 43 | 24 | 140 | 104 |
| 50 | 50 | 753 201 610 | 4 | 0.419 | 66 | 135 | 43 | 24 | 126 | 90 |
| 63 | 32 | 193 280 997 | 4 | 0.550 | 81 | 152 | 48 | 28 | 173 | 125 |
| 63 | 40 | 193 281 009 | 4 | 0.605 | 81 | 152 | 48 | 28 | 169 | 121 |
| 63 | 50 | 193 281 010 | 4 | 0.618 | 81 | 152 | 48 | 28 | 165 | 117 |
| 63 | 63 | 753 201 611 | 4 | 0.641 | 81 | 152 | 48 | 28 | 150 | 102 |
| 90 | 63 | 193 281 011 | 3 | 1.300 | 112 | 202 | 61 | 41 | 182 | 120 |
| 90 | 90 | 753 201 613 | 3 | 1.450 | 112 | 202 | 61 | 41 | 146 | 84 |
| 110 | 90 | 193 281 012 | 2 | 2.294 | 136 | 242 | 65 | 56 | 200 | 127 |

table continued next page



| d [mm] | d2 [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | z [mm] | z1 [mm] | H [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 110 | 110 | 753 201 614 | 2 | 2.400 | 136 | 242 | 65 | 56 | 161 | 88 |
| 125 | 90 | 193 281 013 | - | 2.850 | 151 | 256 | 75 | 53 | 214 | 132 |
| 125 | 125 | 753 201 615 | 1 | 2.930 | 151 | 256 | 75 | 53 | 174 | 92 |
| 160 | 110 | 193 281 030 | - | 6.093 | 196 | 325 | 92 | 71 | 271 | 168 |
| 160 | 160 | 753 201 617 | 1 | 6.664 | 196 | 325 | 92 | 71 | 206 | 103 |
| 180 | 125 | 193 281 031 | - | 8.770 | 225 | 344 | 90 | 82 | 330 | 190 |
| 180 | 180 | 753 201 618 | 1 | 9.600 | 225 | 344 | 90 | 82 | 250 | 110 |

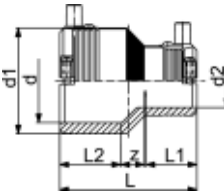
PF 2 51 314 001

53 90 16

Reducer 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] | d2 [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|---------|--------|
| 25 | 20 | 753 901 639 | 20 | 0.059 | 35 | 74 | 34 | 34 | 6 |
| 32 | 20 | 753 901 640 | 20 | 0.071 | 44 | 79 | 33 | 36 | 10 |
| 32 | 25 | 753 901 641 | 20 | 0.060 | 44 | 79 | 33 | 36 | 10 |
| 40 | 20 | 753 901 644 | 20 | 0.069 | 54 | 88 | 33 | 39 | 15 |
| 40 | 25 | 753 901 645 | 20 | 0.071 | 54 | 88 | 33 | 39 | 15 |
| 40 | 32 | 753 901 646 | 20 | 0.072 | 54 | 88 | 33 | 39 | 13 |
| 50 | 32 | 753 901 651 | 10 | 0.096 | 66 | 96 | 35 | 43 | 18 |
| 50 | 40 | 753 901 652 | 15 | 0.136 | 66 | 96 | 39 | 43 | 14 |
| 63 | 32 | 753 901 656 | 10 | 0.171 | 81 | 106 | 35 | 48 | 23 |
| 63 | 40 | 753 901 657 | 10 | 0.176 | 81 | 106 | 39 | 48 | 19 |
| 63 | 50 | 753 901 658 | 10 | 0.189 | 81 | 106 | 43 | 48 | 15 |

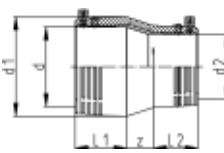
PF 2 51 314 001

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 | GP | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|---------|--------|
| 90 | 63 | 753 901 831 | 30 | 0.360 | 113 | 146 | 63 | 47 | 36 |
| 110 | 90 | 753 901 833 | 16 | 0.657 | 138 | 173 | 73 | 63 | 38 |
| 125 | 90 | 753 901 836 | 12 | 0.870 | 152 | 180 | 79 | 61 | 40 |
| 160 | 110 | 753 901 834 | 5 | 1.200 | 196 | 226 | 91 | 70 | 65 |
| 180 | 125 | 753 901 835 | 4 | 2.000 | 220 | 247 | 97 | 70 | 80 |

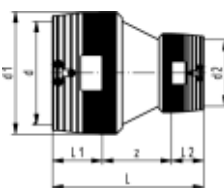
PF 2 51 314 001

53 90 18

Reducer



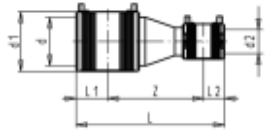
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones



| d [mm] | d2 [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|---------|--------|
| 200 | 160 | 753 901 837 | 1 | 4.150 | 245 | 311 | 104 | 90 | 117 |
| 225 | 160 | 753 901 838 | 1 | 5.240 | 274 | 331 | 112 | 90 | 129 |
| 250 | 160 | 753 901 840 | 2 | 7.100 | 305 | 362 | 123 | 90 | 149 |
| 250 | 200 | 753 901 841 | 2 | 7.680 | 305 | 380 | 123 | 104 | 153 |

PF 2 51 314 007

93 28 09



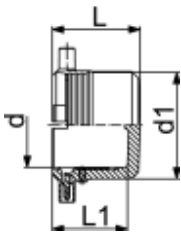
Reducer (Kit)

- 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 | 0.567 | 96 | 265 | 55 | 40 | 170 |
| 75 | 50 | 193 280 993 | 0.610 | 96 | 269 | 55 | 44 | 170 |
| 75 | 63 | 193 280 994 | 0.700 | 96 | 273 | 55 | 48 | 170 |
| 90 | 50 | 193 280 958 | 0.848 | 113 | 297 | 63 | 44 | 190 |
| 90 | 75 | 193 280 995 | 1.070 | 113 | 308 | 63 | 55 | 190 |
| 110 | 63 | 193 280 950 | 1.490 | 138 | 326 | 73 | 48 | 205 |
| 110 | 75 | 193 280 996 | 1.480 | 138 | 333 | 73 | 55 | 205 |
| 125 | 63 | 193 280 953 | 1.580 | 154 | 314 | 79 | 48 | 187 |
| 125 | 110 | 193 280 951 | 2.360 | 154 | 367 | 79 | 73 | 215 |
| 160 | 90 | 193 280 954 | 3.060 | 196 | 370 | 90 | 63 | 217 |
| 160 | 125 | 193 280 952 | 3.680 | 196 | 414 | 90 | 79 | 245 |
| 180 | 110 | 193 280 959 | 4.167 | 214 | 413 | 95 | 73 | 245 |

PF 2 51 314 001

53 96 16



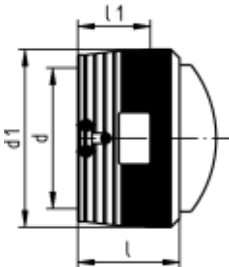
End Cap with integral pipe fixation

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

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] |
|--------|-------------|----|-------|---------|--------|---------|
| 20 | 753 961 606 | 50 | 0.038 | 35 | 52 | 44 |
| 25 | 753 961 607 | 50 | 0.030 | 35 | 52 | 44 |
| 32 | 753 961 608 | 50 | 0.080 | 44 | 52 | 44 |
| 40 | 753 961 609 | 50 | 0.074 | 54 | 56 | 47 |
| 50 | 753 961 610 | 10 | 0.086 | 66 | 60 | 49 |
| 63 | 753 961 611 | 10 | 0.154 | 81 | 66 | 54 |

PF 2 51 314 001

53 96 16



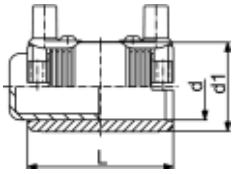
End Cap

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

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] |
|--------|-------------|----|-------|---------|--------|---------|
| 160 | 753 961 617 | 2 | 1.840 | 196 | 129 | 90 |
| 200 | 753 961 619 | 2 | 3.040 | 245 | 147 | 104 |
| 225 | 753 961 620 | 4 | 4.140 | 274 | 157 | 112 |
| 250 | 753 961 621 | 1 | 5.860 | 305 | 173 | 123 |

PF 2 51 314 001

53 96 17



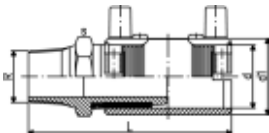
End cap (Kit)

- 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
- * Article to be discontinued, replaced by 53 96 16

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] |
|--------|-------------|----|-------|---------|--------|
| 75 | 753 961 712 | 6 | 0.446 | 96 | 110 |
| 90 | 753 961 713 | 5 | 0.680 | 113 | 125 |
| 110 | 753 961 714 | 3 | 1.126 | 133 | 145 |
| 125 | 753 961 715 | 3 | 1.594 | 155 | 158 |
| 140 | 753 961 716 | 3 | 2.250 | 175 | 170 |
| * 160 | 753 961 717 | 1 | 2.712 | 197 | 180 |
| 180 | 753 961 718 | 1 | 4.136 | 220 | 194 |
| * 200 | 753 961 719 | 1 | 4.906 | 245 | 208 |
| * 225 | 753 961 720 | 1 | 6.500 | 296 | 224 |

PF 2 51 314 001

20 92 07



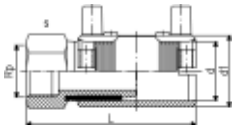
Transition Coupler PE/brass (Ms 58) Male Thread

- 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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|--------|----------|-------------|----|-------|---------|--------|--------|
| 20 | 1/2 | 720 920 756 | 6 | 0.217 | 31 | 110 | 30 |
| 20 | 1 | 720 920 754 | 6 | 0.344 | 44 | 124 | 40 |
| 25 | 3/4 | 720 920 757 | 6 | 0.280 | 36 | 111 | 35 |
| 25 | 1 | 720 920 763 | 6 | 0.364 | 44 | 124 | 40 |
| 32 | 1/2 | 720 920 764 | 6 | 0.235 | 44 | 121 | 30 |
| 32 | 3/4 | 720 920 765 | 6 | 0.287 | 44 | 122 | 35 |
| 32 | 1 | 720 920 758 | 6 | 0.355 | 44 | 117 | 40 |
| 32 | 1 1/4 | 720 920 766 | 6 | 0.543 | 54 | 135 | 50 |
| 32 | 1 1/2 | 720 920 767 | 6 | 0.685 | 60 | 143 | 60 |
| 32 | 2 | 720 920 768 | 6 | 1.000 | 81 | 157 | 70 |
| 40 | 1 | 720 920 771 | 6 | 0.387 | 54 | 133 | 40 |
| 40 | 1 1/4 | 720 920 759 | 6 | 0.541 | 54 | 127 | 50 |
| 40 | 1 1/2 | 720 920 772 | 6 | 0.694 | 66 | 143 | 60 |
| 40 | 2 | 720 920 773 | 3 | 0.992 | 81 | 157 | 70 |
| 50 | 1 | 720 920 776 | 6 | 0.416 | 66 | 141 | 40 |
| 50 | 1 1/4 | 720 920 777 | 3 | 0.578 | 66 | 143 | 50 |
| 50 | 1 1/2 | 720 920 760 | 6 | 0.670 | 66 | 135 | 60 |
| 50 | 2 | 720 920 778 | 3 | 0.994 | 81 | 157 | 70 |
| 63 | 1 | 720 920 781 | 3 | 0.460 | 81 | 151 | 40 |
| 63 | 1 1/4 | 720 920 782 | 3 | 0.626 | 81 | 153 | 40 |
| 63 | 1 1/2 | 720 920 783 | 3 | 0.741 | 81 | 153 | 60 |
| 63 | 2 | 720 920 761 | 4 | 1.005 | 81 | 147 | 70 |

PF 2 51 314 002

20 92 02



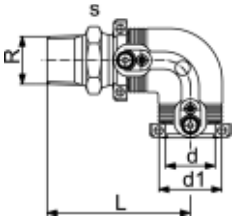
Transition Coupler PE/brass (Ms 58) Female Thread

- 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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|--------------|--------------------|----|-------|------------|-----------|-----------|
| 32 | 1 | 720 920 258 | 6 | 0.338 | 44 | 108 | 40 |
| 40 | 1 ¼ | 720 920 259 | 6 | 0.511 | 54 | 118 | 50 |
| 50 | 1 ½ | 720 920 260 | 6 | 0.744 | 66 | 126 | 60 |
| 63 | 1 | 720 920 281 | 3 | 1.280 | 81 | 138 | 70 |
| 63 | 1 ¼ | 720 920 282 | 3 | 1.230 | 81 | 138 | 70 |
| 63 | 1 ½ | 720 920 283 | 3 | 1.115 | 81 | 138 | 70 |
| 63 | 2 | 720 920 261 | 3 | 1.016 | 81 | 138 | 70 |

PF 2 51 314 002

20 10 07



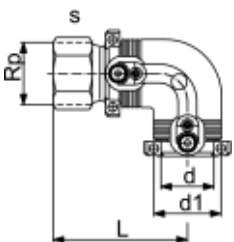
Transition Elbow 90° PE/brass (Ms 58) Male Thread

- 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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|-------------|--------------------|----|-------|------------|-----------|-----------|
| 20 | ½ | 720 100 756 | 6 | 0.240 | 31 | 96 | 30 |
| 25 | ¾ | 720 100 757 | 6 | 0.260 | 36 | 97 | 35 |
| 32 | 1 | 720 100 758 | 6 | 0.383 | 44 | 98 | 40 |
| 32 | 1 ¼ | 720 100 766 | 6 | 0.500 | 44 | 100 | 50 |
| 32 | 1 ½ | 720 100 767 | 6 | 0.562 | 44 | 100 | 60 |
| 40 | 1 | 720 100 771 | 6 | 0.528 | 54 | 107 | 50 |
| 40 | 1 ¼ | 720 100 759 | 6 | 0.584 | 54 | 109 | 50 |
| 40 | 1 ½ | 720 100 772 | 6 | 0.642 | 54 | 109 | 60 |
| 50 | 1 | 720 100 776 | 6 | 0.710 | 66 | 116 | 60 |
| 50 | 1 ¼ | 720 100 777 | 6 | 0.771 | 66 | 118 | 60 |
| 50 | 1 ½ | 720 100 760 | 6 | 0.757 | 66 | 118 | 60 |
| 63 | 1 ¼ | 720 100 782 | 3 | 1.040 | 81 | 128 | 70 |
| 63 | 1 ½ | 720 100 783 | 3 | 1.045 | 81 | 128 | 70 |
| 63 | 2 | 720 100 761 | 3 | 1.115 | 81 | 132 | 70 |

PF 2 51 314 002

20 10 02



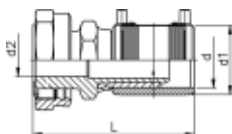
Transition Elbow 90° PE/brass (Ms 58) Female Thread

- 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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|--------------|--------------------|----|-------|------------|-----------|-----------|
| 32 | 1 | 720 100 258 | 6 | 0.365 | 44 | 89 | 40 |
| 40 | 1 ¼ | 720 100 259 | 6 | 0.556 | 54 | 100 | 50 |
| 50 | 1 ½ | 720 100 260 | 6 | 0.819 | 66 | 109 | 60 |
| 63 | 1 | 720 100 281 | 3 | 1.420 | 81 | 123 | 70 |
| 63 | 1 ¼ | 720 100 282 | 3 | 1.380 | 81 | 123 | 70 |
| 63 | 1 ½ | 720 100 283 | 3 | 1.305 | 81 | 123 | 70 |
| 63 | 2 | 720 100 261 | 3 | 1.165 | 81 | 123 | 70 |

PF 2 51 314 002

20 91 00



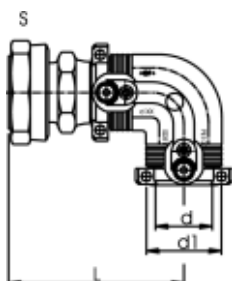
Transition Coupler PE/brass (Ms 58) with loose Nut

- PE 100 SDR 11 (ISO S5)
- 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 | GP | kg | d1 [mm] | d2 [mm] | L [mm] |
|-----------|--------------|-------------|----|-------|------------|------------|-----------|
| 25 | 3/4 | 720 910 007 | 8 | 0.240 | 36 | 15 | 104 |
| 25 | 1 | 720 910 017 | 8 | 0.315 | 36 | 16 | 106 |
| 32 | 1 | 720 910 008 | 6 | 0.342 | 44 | 20 | 110 |
| 32 | 1 1/4 | 720 910 018 | 6 | 0.460 | 44 | 22 | 114 |
| 32 | 1 1/2 | 720 910 028 | 6 | 0.480 | 44 | 22 | 114 |
| 40 | 1 | 720 910 009 | 6 | 0.465 | 54 | 21 | 119 |
| 40 | 1 1/4 | 720 910 019 | 6 | 0.520 | 54 | 25 | 123 |
| 40 | 1 1/2 | 720 910 029 | 12 | 0.595 | 54 | 28 | 123 |
| 50 | 1 | 720 910 020 | 6 | 0.685 | 66 | 20 | 128 |
| 50 | 1 1/4 | 720 910 030 | 6 | 0.730 | 66 | 25 | 133 |
| 50 | 1 1/2 | 720 910 010 | 6 | 0.774 | 66 | 29 | 133 |
| 50 | 2 | 720 910 040 | 3 | 0.980 | 66 | 36 | 137 |
| 63 | 1 | 720 910 021 | 3 | 1.025 | 81 | 20 | 137 |
| 63 | 1 1/4 | 720 910 031 | 3 | 1.060 | 81 | 25 | 141 |
| 63 | 1 1/2 | 720 910 041 | 3 | 1.070 | 81 | 29 | 141 |
| 63 | 2 | 720 910 011 | 3 | 1.235 | 81 | 36 | 145 |

PF 2 51 314 003

20 10 00



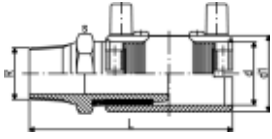
Transition Elbow 90° PE/brass (Ms 58) with loose Nut

- PE 100 SDR 11 (ISO S5)
- Gas on request / 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 | GP | kg | d1 [mm] | L [mm] |
|-----------|--------------|-------------|----|-------|------------|-----------|
| 25 | 3/4 | 720 100 007 | 8 | 0.260 | 36 | 90 |
| 25 | 1 | 720 100 017 | 8 | 0.335 | 36 | 92 |
| 32 | 1 | 720 100 008 | 6 | 0.370 | 44 | 91 |
| 32 | 1 1/4 | 720 100 018 | 6 | 0.490 | 44 | 95 |
| 40 | 1 | 720 100 009 | 6 | 0.505 | 54 | 101 |
| 40 | 1 1/4 | 720 100 019 | 6 | 0.565 | 54 | 105 |
| 40 | 1 1/2 | 720 100 029 | 6 | 0.635 | 54 | 105 |
| 50 | 1 | 720 100 020 | 6 | 0.760 | 66 | 111 |
| 50 | 1 1/2 | 720 100 010 | 6 | 0.850 | 66 | 116 |
| 50 | 2 | 720 100 040 | 3 | 1.060 | 66 | 120 |
| 63 | 1 | 720 100 021 | 3 | 1.171 | 81 | 121 |
| 63 | 1 1/2 | 720 100 041 | 6 | 1.210 | 81 | 125 |
| 63 | 2 | 720 100 011 | 3 | 1.375 | 81 | 129 |

PF 2 51 314 003

24 92 07



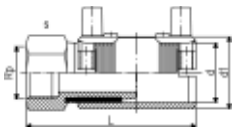
Transition Coupler PE/steel (stainless 1.4305) Male Thread

- 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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|-------------|--------------------|----|-------|------------|-----------|-----------|
| 20 | 1/2 | 724 920 756 | - | 0.210 | 31 | 110 | 30 |
| 25 | 3/4 | 724 920 757 | 6 | 0.260 | 36 | 111 | 35 |
| 32 | 1 | 724 920 758 | 6 | 0.347 | 44 | 117 | 40 |
| 32 | 1 1/2 | 724 920 767 | 6 | 0.330 | 44 | 125 | 60 |
| 40 | 1 1/4 | 724 920 759 | - | 0.519 | 54 | 127 | 50 |
| 40 | 1 1/2 | 724 920 772 | 6 | 0.690 | 66 | 143 | 60 |
| 50 | 1 1/2 | 724 920 760 | 6 | 0.657 | 66 | 135 | 60 |
| 63 | 1 1/2 | 724 920 771 | 3 | 0.904 | 81 | 147 | 70 |
| 63 | 2 | 724 920 761 | 3 | 0.963 | 81 | 147 | 70 |

PF 2 51 314 004

24 92 02



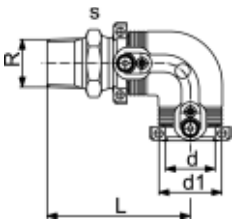
Transition Coupler PE/steel (stainless 1.4305) Female Thread

- 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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|--------------|--------------------|----|-------|------------|-----------|-----------|
| 20 | 1/2 | 724 920 256 | - | 0.197 | 31 | 100 | 30 |
| 25 | 3/4 | 724 920 257 | - | 0.253 | 36 | 101 | 35 |
| 32 | 1 | 724 920 258 | 6 | 0.340 | 44 | 108 | 40 |
| 40 | 1 1/4 | 724 920 259 | 6 | 0.505 | 54 | 118 | 50 |
| 50 | 1 1/2 | 724 920 260 | 6 | 0.725 | 66 | 126 | 60 |
| 63 | 2 | 724 920 261 | - | 0.995 | 81 | 138 | 70 |

PF 2 51 314 004

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 | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|-------------|--------------------|----|-------|------------|-----------|-----------|
| 20 | 1/2 | 724 100 756 | 6 | 0.211 | 31 | 96 | 30 |
| 25 | 3/4 | 724 100 757 | 6 | 0.230 | 36 | 97 | 35 |
| 32 | 1 | 724 100 758 | 6 | 0.370 | 44 | 98 | 40 |
| 40 | 1 1/4 | 724 100 759 | - | 0.560 | 54 | 109 | 50 |
| 40 | 1 1/2 | 724 100 772 | 6 | 0.730 | 54 | 109 | 60 |
| 50 | 1 1/2 | 724 100 760 | 6 | 0.730 | 66 | 118 | 60 |
| 63 | 1 1/2 | 724 100 771 | 3 | 1.040 | 81 | 132 | 70 |
| 63 | 2 | 724 100 761 | 3 | 1.105 | 81 | 132 | 70 |

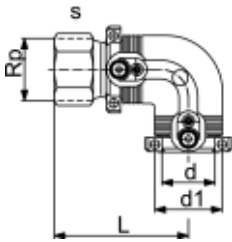
PF 2 51 314 004

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



PF 2 51 314 004

| d [mm] | Rp [inch] | Code | GP | kg | d1 [mm] | L [mm] | s [mm] |
|-----------|--------------|--------------------|----|-------|------------|-----------|-----------|
| 20 | 1/2 | 724 100 256 | 6 | 0.211 | 31 | 86 | 30 |
| 25 | 3/4 | 724 100 257 | 6 | 0.237 | 36 | 87 | 35 |
| 32 | 1 | 724 100 258 | 6 | 0.360 | 44 | 89 | 40 |
| 40 | 1 1/4 | 724 100 259 | 6 | 0.545 | 54 | 100 | 50 |
| 50 | 1 1/2 | 724 100 260 | - | 0.805 | 66 | 109 | 60 |
| 63 | 2 | 724 100 261 | 3 | 1.135 | 81 | 123 | 70 |

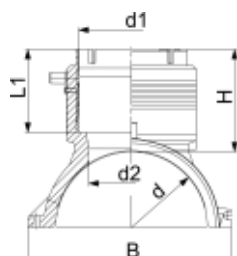


ELGEF® Plus
Electrofusion System

ELGEF Plus Branch Fitting
 ELGEF Plus Modular System
 ELGEF Plus Saddles/Valves

ELGEF Plus Branch Fitting

51 336 001



Branch Fitting

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Branch Fitting 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 | GP | kg | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] |
|--------|---------|-------------|----|-------|--------|--------|---------|--------|---------|
| 110 | 90 | 193 135 009 | 4 | 1.074 | 101 | 220 | 82 | 164 | 65 |
| 110 | 110 | 193 135 010 | 4 | 1.152 | 107 | 220 | 88 | 164 | 65 |
| 125 | 90 | 193 135 019 | 4 | 1.134 | 101 | 220 | 82 | 179 | 65 |
| 125 | 110 | 193 135 020 | 4 | 1.258 | 107 | 220 | 88 | 179 | 65 |
| * 140 | 90 | 193 135 029 | 4 | 1.134 | 101 | 220 | 81 | 195 | 65 |
| * 140 | 110 | 193 135 030 | 4 | 1.258 | 107 | 220 | 87 | 195 | 65 |
| 160 | 90 | 193 135 039 | 4 | 1.444 | 102 | 240 | 82 | 215 | 65 |
| 160 | 110 | 193 135 040 | 4 | 1.523 | 108 | 240 | 88 | 215 | 86 |
| 160 | 125 | 193 135 041 | 4 | 1.738 | 129 | 240 | 99 | 215 | 86 |
| 180 | 90 | 193 135 049 | 1 | 1.714 | 102 | 260 | 82 | 237 | 65 |
| 180 | 110 | 193 135 050 | 1 | 1.782 | 108 | 260 | 88 | 237 | 86 |
| 180 | 125 | 193 135 051 | 1 | 1.972 | 129 | 260 | 99 | 237 | 86 |
| 200 | 90 | 193 135 059 | 1 | 1.811 | 102 | 260 | 82 | 253 | 65 |
| 200 | 110 | 193 135 060 | 1 | 1.879 | 108 | 260 | 88 | 253 | 86 |
| 200 | 125 | 193 135 061 | 1 | 2.069 | 129 | 260 | 99 | 253 | 86 |
| 225 | 90 | 193 135 069 | 1 | 1.959 | 102 | 260 | 82 | 287 | 65 |
| 225 | 110 | 193 135 070 | 1 | 2.027 | 108 | 260 | 88 | 287 | 86 |
| 225 | 125 | 193 135 071 | 1 | 2.217 | 129 | 260 | 99 | 287 | 86 |
| 250 | 90 | 193 135 079 | 1 | 2.116 | 102 | 260 | 82 | 312 | 65 |
| 250 | 110 | 193 135 080 | 2 | 2.184 | 108 | 260 | 88 | 312 | 86 |
| 250 | 125 | 193 135 081 | 1 | 2.374 | 129 | 260 | 99 | 312 | 86 |

PF 2 51 336 001

Multiple use Assembly Tool Branch fitting d140mm

- Only to be used with Branch Fitting d140mm
- Delivered as complete Kit including screws and belt



PF 2 51 336 001

| d [mm] | Code | kg |
|--------|-------------|-------|
| 140 | 193 281 027 | 0.740 |

Cross Connection Branch Fitting

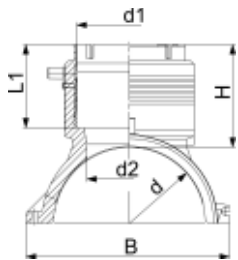
- Enables the connection of two branch fittings as a cross
- Complete with screws, flat washers and nuts



PF 2 51 336 001

| d [mm] | d1 [mm] | Code | kg |
|--------|---------|-------------|-------|
| 110 | 160 | 193 280 880 | 0.250 |
| 180 | 250 | 193 280 881 | 0.250 |

51 336 001



Branch Fitting Topload

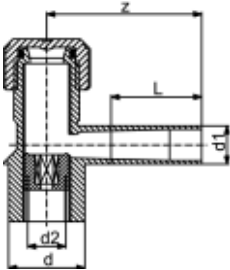
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Branch Fitting for assembling as Topload with tool 799.350.477; angle adaptors (799.350.340) for fusion cable required
- Electrofusion outlet with integrated pipe fixation
- Protected wire without medium contact
- 4 mm pin connectors
- Limited path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

| d [mm] | d1 [mm] | Code | GP | kg | H [mm] | L [mm] | L1 [mm] | B [mm] | d2 [mm] |
|-----------|------------|--------------------|----|-------|-----------|-----------|------------|-----------|------------|
| 280 | 90 | 193 135 289 | 5 | 1.180 | 102 | 260 | 82 | 243 | 65 |
| 280 | 110 | 193 135 290 | 5 | 1.280 | 108 | 260 | 88 | 243 | 86 |
| 280 | 125 | 193 135 291 | 5 | 1.480 | 129 | 260 | 99 | 243 | 86 |
| 315 - 355 | 90 | 193 135 309 | 5 | 1.180 | 102 | 260 | 82 | 249 | 65 |
| 315 - 355 | 110 | 193 135 310 | 4 | 1.280 | 108 | 260 | 88 | 249 | 86 |
| 315 - 355 | 125 | 193 135 311 | 5 | 1.480 | 129 | 260 | 99 | 249 | 86 |
| 400 - 450 | 90 | 193 135 329 | 5 | 1.180 | 102 | 260 | 82 | 256 | 65 |
| 400 - 450 | 110 | 193 135 330 | 4 | 1.280 | 108 | 260 | 88 | 256 | 86 |
| 400 - 450 | 125 | 193 135 331 | 4 | 1.280 | 129 | 260 | 99 | 256 | 86 |
| 500 - 630 | 90 | 193 135 159 | 5 | 1.060 | 102 | 260 | 82 | 263 | 65 |
| 500 - 630 | 110 | 193 135 160 | 5 | 1.160 | 108 | 260 | 88 | 263 | 86 |
| 500 - 630 | 125 | 193 135 161 | 4 | 1.360 | 129 | 260 | 99 | 263 | 86 |

PF 2 51 336 001

ELGEF Plus Modular System

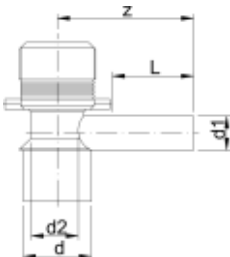
Tapping Tee



PF 2 51 313 001

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Long fusion outlet
- O-ring-sealed screw cap
- For ELGEF Plus Branch Saddle (53 131 000) d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle (53 131 000) d75-315mm, pipe SDR 17
- *For ELGEF Plus Branch Saddle (53 131 000) d250-315mm, pipe SDR 11 and d250-400mm, pipe SDR 17
- **For ELGEF Plus Branch Saddle (53 131 000) d110 - 225mm, pipe SDR11 and d110 - 315mm, pipe SDR17

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | L [mm] | z [mm] | SW [mm] |
|--------|---------|--------------------|----|-------|---------|--------|--------|---------|
| 63 | 20 | 193 280 358 | 15 | 0.384 | 32 | 69 | 130 | 17 |
| 63 | 25 | 193 280 359 | 15 | 0.383 | 32 | 70 | 130 | 17 |
| 63 | 32 | 193 280 184 | 12 | 0.383 | 32 | 76 | 130 | 17 |
| 63 | 40 | 193 280 360 | 12 | 0.401 | 32 | 81 | 137 | 17 |
| 63 | 63 | 193 280 185 | 12 | 1.120 | 32 | 100 | 160 | 17 |
| * 63 | 63 | 193 280 711 | 12 | 1.120 | 35 | 100 | 160 | 17 |

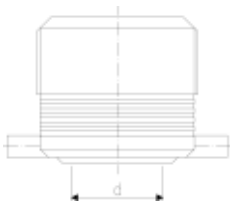


PF 2 51 313 001

Tapping Tee with Electrofusion Cap

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- For ELGEF Plus Branch Saddle (53 131 000) d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle (53 131 000) d75-315mm, pipe SDR 17
- Long fusion outlet

| d [mm] | d1 [mm] | Code | GP | kg | D2 [mm] | d2 [mm] | L [mm] | z [mm] | SW [mm] |
|--------|---------|--------------------|----|-------|---------|---------|--------|--------|---------|
| 63 | 32 | 193 280 300 | 20 | 0.430 | 32 | 32 | 76 | 130 | 17 |
| 63 | 63 | 193 280 301 | 5 | 1.200 | 32 | 32 | 100 | 160 | 17 |



PF 2 51 313 001

Electrofusion Cap

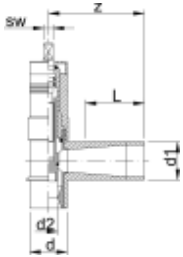
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF® Plus Tapping Saddles
- 193 280 153 suits for all Tapping Saddles Type Monobloc d63 mm and all Tapping Tees with outlet d20, d25, d32, d40 mm
- 193 280 154 is suitable for all Tapping Tees with d63 mm outlet

| d [mm] | Code | GP | kg |
|--------|--------------------|----|-------|
| 55 | 193 280 153 | 10 | 0.125 |
| 68 | 193 280 154 | 10 | 0.207 |



Tapping Valve Tee

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle (753 131 000) d63-250, pipe SDR11
- For ELGEF Plus Branch Saddle (53 131 000) d75 - 315mm, pipe SDR 17 and d250 - 400mm, pipe SDR 26
- Spindle size (SW) 14
- Long fusion outlet



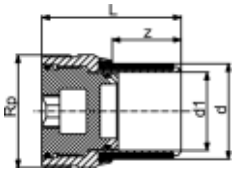
PF 2 51 313 004

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | L [mm] | z [mm] | |
|-----------|------------|--------------------|----|-------|------------|-----------|-----------|--|
| 63 | 32 | 193 281 605 | 5 | 1.430 | 21 | 70 | 127 | |
| 63 | 63 | 193 281 606 | 5 | 2.600 | 31 | 100 | 160 | |

Stop-Off Adaptor with brass plug



- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle (753 131 000) d63 - 400mm, pipe SDR 11
- For main dimension d63 and d75mm we recommend a maximum cutting diameter of d = 39mm



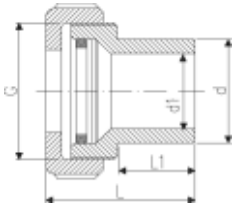
PF 2 51 313 001

| d [mm] | Rp [inch] | Code | GP | kg | d1 [mm] | L [mm] | z [mm] | SW [mm] |
|-----------|--------------|--------------------|----|-------|------------|-----------|-----------|------------|
| 63 | 2 ½ | 193 280 274 | 6 | 1.489 | 50 | 93 | 46 | 19 |
| 63 | 2 ½ | 193 280 294 | 6 | 1.462 | 56 | 93 | 46 | 19 |

Stop-Off Adaptor PE



- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle (753 131 000) d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- PE Stop-Off insert d 63
- Plug with rubber seal
- PVP nut
- For main dimension d63 and d75mm we recommend a maximum cutting diameter of d = 39mm



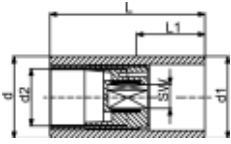
PF 2 51 313 001

| d [mm] | G [inch] | Code | GP | kg | d1 [mm] | L [mm] | z [mm] |
|-----------|-------------|--------------------|----|-------|------------|-----------|-----------|
| 63 | 2 ¾ | 193 280 279 | 10 | 0.300 | 51 | 87 | 45 |



Spigot with Cutter

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle (53 131 000) d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle (53 131 000) d75 - 315mm, pipe SDR 17 and d250 - 400mm, pipe SDR 26



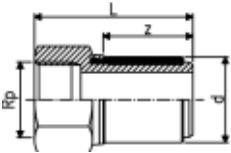
PF 2 51 313 001

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | L [mm] | L1 [mm] | SW [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|---------|
| 63 | 32 | 193 280 272 | 20 | 0.200 | 19 | 113 | 50 | 13 |
| 63 | 63 | 193 280 273 | 12 | 0.701 | 32 | 120 | 50 | 17 |

Transition Adaptor PE/brass (Ms 58) Female thread



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



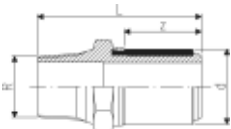
PF 2 51 314 002

| 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 | 0.397 | 77 | 39 |
| 50 | 1 ½ | 720 920 210 | 0.589 | 81 | 43 |
| 63 | 1 | 720 920 221 | 1.071 | 89 | 47 |
| 63 | 1 ¼ | 720 920 231 | 1.027 | 89 | 47 |
| 63 | 1 ½ | 720 920 241 | 0.950 | 89 | 47 |
| 63 | 2 | 720 920 211 | 0.800 | 89 | 47 |

Transition Adaptor PE/brass (Ms 58) Male thread



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



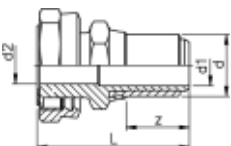
PF 2 51 314 002

| d [mm] | R [inch] | Code | kg | L [mm] | z [mm] |
|--------|----------|--------------------|-------|--------|--------|
| 20 | ½ | 720 920 706 | 0.151 | 75 | 33 |
| 25 | ¾ | 720 920 707 | 0.195 | 76 | 33 |
| 32 | 1 | 720 920 708 | 0.273 | 80 | 35 |
| 32 | 1 ¼ | 720 920 718 | 0.389 | 82 | 35 |
| 32 | 1 ½ | 720 920 728 | 0.454 | 82 | 35 |
| 40 | 1 | 720 920 719 | 0.370 | 84 | 39 |
| 40 | 1 ¼ | 720 920 709 | 0.425 | 86 | 39 |
| 40 | 1 ½ | 720 920 729 | 0.490 | 86 | 39 |
| 50 | 1 | 720 920 720 | 0.479 | 88 | 43 |
| 50 | 1 ¼ | 720 920 730 | 0.546 | 90 | 43 |
| 50 | 1 ½ | 720 920 710 | 0.528 | 90 | 43 |
| 63 | 1 ¼ | 720 920 721 | 0.702 | 94 | 47 |
| 63 | 1 ½ | 720 920 731 | 0.698 | 94 | 47 |
| 63 | 2 | 720 920 711 | 0.792 | 98 | 47 |



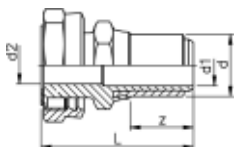
Transition Adaptor PE/brass Loose nut (Ms 58)

- PE 100 SDR 11 (ISO S5)
- 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 | 0.165 | 15 | 68 | 32 |
| 25 | 1 | 720 920 017 | 0.240 | 16 | 70 | 32 |
| 32 | 1 | 720 920 008 | 0.255 | 20 | 72 | 34 |
| 32 | 1 ¼ | 720 920 018 | 0.374 | 22 | 76 | 34 |

table continued next page

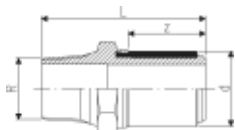


| d [mm] | Rp [inch] | Code | kg | d2 [mm] | L [mm] | z [mm] |
|-----------|--------------|--------------------|-------|------------|-----------|-----------|
| 32 | 1 1/2 | 720 920 028 | 0.393 | 22 | 76 | 34 |
| 40 | 1 | 720 920 009 | 0.349 | 21 | 77 | 38 |
| 40 | 1 1/4 | 720 920 019 | 0.406 | 25 | 81 | 38 |
| 40 | 1 1/2 | 720 920 029 | 0.480 | 28 | 81 | 38 |
| 50 | 1 | 720 920 020 | 0.532 | 20 | 82 | 42 |
| 50 | 1 1/4 | 720 920 030 | 0.577 | 25 | 87 | 42 |
| 50 | 1 1/2 | 720 920 010 | 0.621 | 29 | 87 | 42 |
| 50 | 2 | 720 920 040 | 0.831 | 36 | 91 | 42 |
| 63 | 1 | 720 920 021 | 0.816 | 20 | 87 | 46 |
| 63 | 1 1/4 | 720 920 031 | 0.850 | 25 | 91 | 46 |
| 63 | 1 1/2 | 720 920 041 | 0.862 | 29 | 91 | 46 |
| 63 | 2 | 720 920 011 | 1.025 | 36 | 95 | 46 |

PF 2 51 314 003

Transition Adaptor PE/steel (stainless 1.4305) Male thread

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

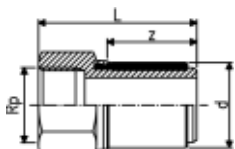


| d [mm] | R [inch] | Code | kg | L [mm] | z [mm] |
|-----------|-------------|--------------------|-------|-----------|-----------|
| 20 | 1/2 | 724 920 706 | 0.139 | 75 | 33 |
| 25 | 3/4 | 724 920 707 | 0.189 | 76 | 33 |
| 32 | 1 | 724 920 708 | 0.256 | 80 | 35 |
| 32 | 1 1/2 | 724 920 718 | 0.400 | 80 | 35 |
| 40 | 1 1/4 | 724 920 709 | 0.404 | 86 | 39 |
| 40 | 1 1/2 | 724 920 719 | 0.572 | 86 | 39 |
| 50 | 1 1/2 | 724 920 710 | 0.502 | 90 | 43 |
| 63 | 1 1/2 | 724 920 721 | 0.690 | 98 | 47 |
| 63 | 2 | 724 920 711 | 0.756 | 98 | 47 |

PF 2 51 314 004

Transition Adaptor PE/steel (stainless 1.4305) Female thread

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

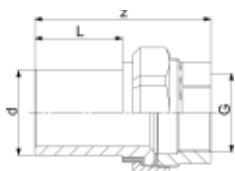


| d [mm] | Rp [inch] | Code | kg | L [mm] | z [mm] |
|-----------|--------------|--------------------|-------|-----------|-----------|
| 20 | 1/2 | 724 920 206 | 0.153 | 65 | 33 |
| 25 | 3/4 | 724 920 207 | 0.195 | 66 | 33 |
| 32 | 1 | 724 920 208 | 0.250 | 71 | 35 |
| 40 | 1 1/4 | 724 920 209 | 0.388 | 77 | 39 |
| 50 | 1 1/2 | 724 920 210 | 0.575 | 81 | 43 |
| 63 | 2 | 724 920 211 | 0.785 | 89 | 47 |

PF 2 51 314 004

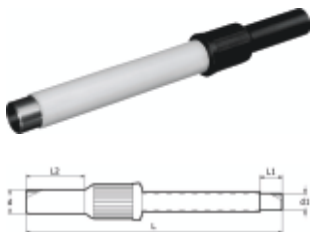
Union Adaptor

- 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 | GP | kg | L [mm] | L2 [mm] | SW1 [mm] | G [inch] |
|-----------|--------------|--------------------|----|-------|-----------|------------|-------------|-------------|
| 20 | 1/2 | 701 485 560 | 30 | 0.152 | 94 | 52 | 27 | 1 |
| 25 | 3/4 | 701 485 561 | 25 | 0.252 | 100 | 52 | 32 | 1 1/4 |
| 32 | 1 | 701 485 562 | 20 | 0.331 | 108 | 54 | 34 | 1 1/2 |
| 40 | 1 1/4 | 701 485 563 | 12 | 0.590 | 114 | 57 | 43 | 2 |
| 50 | 1 1/2 | 701 485 564 | 15 | 0.645 | 124 | 65 | 50 | 2 1/4 |
| 63 | 2 | 701 485 565 | 16 | 0.975 | 134 | 65 | 61 | 2 3/4 |

PF 2 90 703 001



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

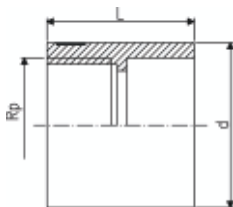
| d [mm] | Code | kg | d [mm] | L [mm] | L1 [mm] | L2 [mm] |
|--------|--------------------|--------|--------|--------|---------|---------|
| * 20 | 775 641 502 | 0.500 | 20 | 427 | 35 | 41 |
| 25 | 775 641 507 | 0.640 | 25 | 462 | 35 | 41 |
| 32 | 775 641 510 | 0.940 | 32 | 462 | 35 | 44 |
| 40 | 775 641 514 | 1.200 | 40 | 470 | 35 | 49 |
| 50 | 775 641 518 | 1.440 | 50 | 475 | 35 | 55 |
| 63 | 775 641 524 | 1.930 | 63 | 480 | 35 | 63 |
| 75 | 775 641 632 | 2.800 | 75 | 545 | 35 | 70 |
| 90 | 775 641 636 | 3.700 | 90 | 562 | 45 | 79 |
| 110 | 775 641 640 | 3.800 | 110 | 580 | 45 | 82 |
| 110 | 775 641 641 | 6.600 | 110 | 580 | 45 | 82 |
| 125 | 775 641 645 | 6.700 | 125 | 584 | 45 | 87 |
| 160 | 775 641 655 | 11.300 | 160 | 607 | 45 | 98 |
| 180 | 775 641 659 | 11.800 | 180 | 605 | 45 | 105 |
| 200 | 775 642 664 | 19.100 | 200 | 615 | 45 | 112 |
| 225 | 775 642 669 | 19.500 | 225 | 620 | 45 | 120 |
| 250 | 775 642 665 | 20.500 | 250 | 640 | 45 | 129 |
| 250 | 775 642 666 | 30.000 | 250 | 645 | 45 | 129 |
| 280 | 775 642 673 | 31.000 | 280 | 637 | 45 | 139 |
| 315 | 775 642 672 | 47.000 | 315 | 730 | 45 | 150 |
| 355 | 775 642 675 | 49.000 | 355 | 732 | 45 | 164 |
| 400 | 775 642 678 | 94.000 | 400 | 770 | 45 | 179 |

PF 1 27 142 415



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 (753 131 000) d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- Parallel female thread
- *PE 100 SDR 11 (ISO S5)



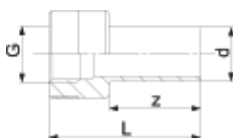
PF 2 51 313 001

| d [mm] | Rp [inch] | Code | GP | kg | L [mm] |
|--------|-----------|--------------------|----|-------|--------|
| 63 | 1 ½ | 173 281 925 | 30 | 0.096 | 54 |

Instrument Installation Spigots, PE80, Thread G

Model:

- For the connection of measuring instruments only
- Usable with all types of electrofusion couplers

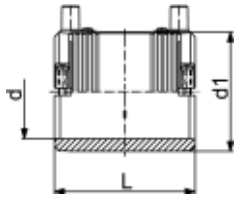


PF 2 90 703 001

| d [mm] | G [inch] | Code | GP | kg | L [mm] | z [mm] |
|--------|----------|--------------------|----|-------|--------|--------|
| 20 | ½ | 701 473 809 | - | 0.050 | 90 | 52 |
| 25 | ½ | 701 473 803 | - | 0.050 | 90 | 52 |
| 25 | ¾ | 701 473 810 | - | 0.060 | 90 | 52 |
| 32 | ½ | 701 473 804 | - | 0.060 | 90 | 52 |
| 32 | 1 | 701 473 811 | - | 0.060 | 90 | 54 |
| 40 | ½ | 701 473 812 | - | 0.049 | 75 | 57 |
| 40 | 1 ¼ | 701 473 806 | - | 0.090 | 100 | 57 |
| 50 | ½ | 701 473 813 | - | 0.075 | 80 | 63 |
| 50 | 1 ¼ | 701 473 805 | - | 0.060 | 80 | 63 |
| 50 | 1 ½ | 701 473 807 | - | 0.100 | 105 | 63 |
| 63 | ½ | 701 473 814 | - | 0.117 | 80 | 65 |
| 63 | 2 | 701 473 808 | - | 0.110 | 110 | 65 |

Excess Flow Valves

53 92 06



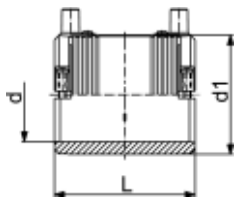
PF 2 51 314 009

Coupler with integrated Excess Flow Valve Type D with overflow orifice

- PE 100 SDR 11 (ISO S5)
- 1 bar Gas
- Pressure rating **25 mbar - 1 bar**. Excess Flow Valve system Mertik Maxitrol
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | z [mm] | |
|--------|--------------------|----|-------|---------|--------|--------|--|
| 32 | 753 920 608 | 50 | 0.101 | 44 | 72 | 2 | |
| 40 | 753 920 609 | 50 | 0.160 | 54 | 80 | 2 | |
| 50 | 753 920 610 | 10 | 0.279 | 66 | 88 | 2 | |
| 63 | 753 920 611 | 10 | 0.382 | 81 | 96 | 2 | |

53 92 07



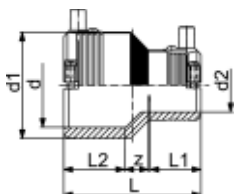
PF 2 51 314 009

Coupler with integrated Excess Flow Valve Type B with overflow orifice

- PE 100 SDR 11 (ISO S5)
- 5 bar Gas
- Pressure rating **100 mbar - 5 bar**. Excess Flow Valve system Mertik Maxitrol
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | z [mm] | |
|--------|--------------------|----|-------|---------|--------|--------|--|
| 32 | 753 920 708 | 50 | 0.103 | 44 | 72 | 2 | |
| 40 | 753 920 709 | 50 | 0.163 | 54 | 80 | 2 | |
| 50 | 753 920 710 | 10 | 0.286 | 66 | 88 | 2 | |
| 63 | 753 920 711 | 10 | 0.394 | 81 | 96 | 2 | |

53 90 16



PF 2 51 314 009

Reducer with integrated Excess Flow Valve Type D with overflow orifice

- PE 100 SDR 11 (ISO S5)
- 1 bar Gas
- Pressure rating **25 mbar - 1 bar**. Excess Flow Valve system Mertik Maxitrol
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators

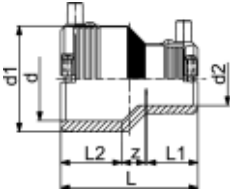
| d [mm] | d2 [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] | |
|--------|---------|--------------------|----|-------|---------|--------|---------|---------|--------|--|
| 63 | 32 | 753 901 605 | 10 | 0.213 | 81 | 106 | 35 | 48 | 23 | |
| 63 | 40 | 753 901 606 | 10 | 0.249 | 81 | 106 | 39 | 48 | 19 | |
| 63 | 50 | 753 901 607 | 10 | 0.381 | 81 | 106 | 43 | 48 | 15 | |

53 90 16

Reducer with integrated Excess Flow Valve Type B with overflow orifice










- PE 100 SDR 11 (ISO S5)
- 5 bar Gas
- Pressure rating **100 mbar - 5 bar**. Excess Flow Valve system Mertik Maxitrol
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators



PF 2 51 314 009

| d [mm] | d2 [mm] | Code | GP | kg | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | z [mm] |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|------------|-----------|
| 63 | 32 | 753 901 612 | 10 | 0.215 | 81 | 106 | 35 | 48 | 23 |
| 63 | 40 | 753 901 613 | 10 | 0.252 | 81 | 106 | 39 | 48 | 19 |
| 63 | 50 | 753 901 614 | 10 | 0.393 | 81 | 106 | 43 | 48 | 15 |

ELGEF Plus assembly Instructions for saddles and tapping valves

| Sequence of work | Tapping saddle Monoblock d 40-d 63 | Tapping saddle with rotatable outlet d 63-d 315 | Pressure tapping valve d 63-d 315 | Spigot saddle d 63-d 315 | Stopoff saddle d 63-d 315 | Repair saddle d 63-d 315 | Strengthening saddle (24 V) d 40-d 250 |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| |  |  |  |  |  |  |  |
| 1 Clean pipe in fusion area, remove oxide film of pipe using peeling tool | | | | | | | |
| 2 Clean pipe in fusion area using a clean lint-free cloth | | | | | | | |
| 3 Remove saddle from packaging without touching; hang lower part on its hinge | | | | | | | |
| 4 Place saddle on pipe and tighten with pre-mounted screws (stress clamp for strengthening saddle) | | < = 250 | < = 250 | < = 250 | < = 250 | < = 250 | |
| 5 Remove modular system component from the packaging and assemble (without touching fusion surface) | | | | | | | |
| 6 Place saddle on pipe and assemble with top-Load tool (detailed assembly instructions) | | < = 250 | < = 250 | < = 250 | < = 250 | < = 250 | |
| 7 Align rotatable outlet and firmly fasten integrated bracket of saddle outlet | | | | | | | |
| 8 Fusion in accordance with operating instructions of unit | | | | | | | |
| 9 After fusion: Check fusion indicator; check fusion unit display, then remove cable | | | | | | | |
| 10 Wait for minimum time until pressure test, then conduct pressure test *1 | | | | | | | |
| 11 Remove screw and fusion cap | | | | | | | |
| 12 Tap clockwise, withdraw cutter up to top stop; (detailed assembly instructions) *1 | | | | | | | |
| 13 Fasten screw and fusion cap by hand | | | | | | | |
| 14 Fusion in accordance with operating instructions of unit | | | | | | | |

 = compulsory

 = if required

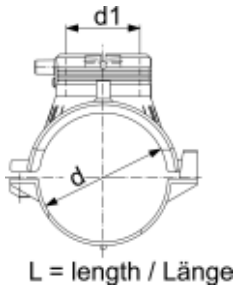
*1 Minimum cooling time for saddles in minutes

| d | Pressure test/Tapping | |
|--------|-----------------------|--------------|
| | p < = 6 bar | p < = 24 bar |
| (mm) | (min) | (min) |
| 40 | 10 | 30 |
| 63-315 | 20 | 60 |

p = test pressure

ELGEF Plus Saddles and Valves

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

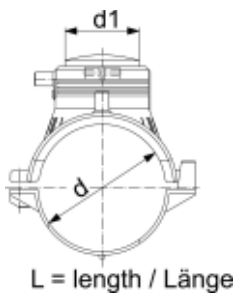
*not suitable for all tapping-tees, tapping-valves and spigots with cutter of the modular systems

** = 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 | GP | kg | L [mm] |
|--------------|---------|-------------|----|-------|--------|
| 63 | 63 | 193 131 037 | 5 | 0.335 | 165 |
| 75 | 63 | 193 131 047 | 5 | 0.465 | 165 |
| 90 | 63 | 193 131 057 | 5 | 0.425 | 165 |
| 110 | 63 | 193 131 067 | 3 | 0.493 | 165 |
| *** 110 | 63 | 193 133 067 | 10 | 0.404 | 182 |
| 125 | 63 | 193 131 077 | 3 | 0.523 | 165 |
| 140 | 63 | 193 131 087 | 3 | 0.523 | 165 |
| 160 | 63 | 193 131 097 | 4 | 0.526 | 165 |
| *** 160 | 63 | 193 133 097 | 7 | 0.595 | 182 |
| 180 | 63 | 193 131 107 | 5 | 0.632 | 165 |
| 200 | 63 | 193 131 117 | 5 | 0.651 | 165 |
| 225 | 63 | 193 131 127 | 4 | 0.653 | 165 |
| * 250 | 63 | 193 131 137 | 4 | 0.665 | 165 |
| ** 280 | 63 | 193 131 147 | 8 | 0.370 | 165 |
| ** 315 - 400 | 63 | 193 131 157 | 8 | 0.370 | 165 |

PF 2 51 313 001

53 130 000



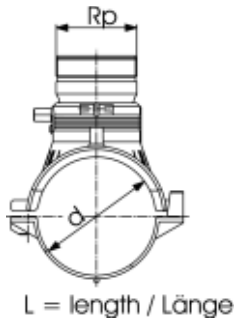
Repair Saddle

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Spigot Cap (753.961.011)
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required

| d [mm] | d1 [mm] | Code | GP | kg | L [mm] |
|-------------|---------|-------------|----|-------|--------|
| 63 | 63 | 193 130 037 | 5 | 0.433 | 165 |
| 75 | 63 | 193 130 047 | 3 | 0.574 | 165 |
| 90 | 63 | 193 130 057 | 5 | 0.538 | 165 |
| 110 | 63 | 193 130 067 | 3 | 0.592 | 165 |
| 125 | 63 | 193 130 077 | 3 | 0.622 | 165 |
| 140 | 63 | 193 130 087 | 3 | 0.660 | 165 |
| 160 | 63 | 193 130 097 | 3 | 0.627 | 165 |
| 180 | 63 | 193 130 107 | 5 | 0.733 | 165 |
| 200 | 63 | 193 130 117 | 5 | 0.751 | 165 |
| 225 | 63 | 193 130 127 | 5 | 0.768 | 165 |
| 250 | 63 | 193 130 137 | 3 | 0.758 | 165 |
| * 280 | 63 | 193 130 147 | 6 | 0.450 | 165 |
| * 315 - 400 | 63 | 193 130 157 | 6 | 0.450 | 165 |

PF 2 51 313 001

53 149 000



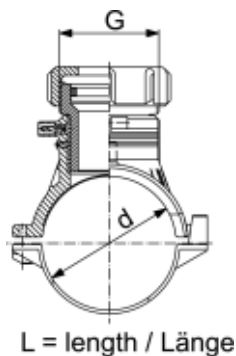
Stop-Off Saddle (Kit) maximum passage 56 mm

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- Stop-Off insert (brass 58) and plug
- 4 mm pin connectors
- Limited path fusion indicators
- Stop-Off insert with outside thread Rp 2 1/2" and internal thread Rp 2" suited for common tapping devices permitting "gas-tight" installation
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required
- For main dimension d63 and d75mm we recommend a maximum cutting diameter of d = 39mm

| d [mm] | Rp [inch] | Code | GP | kg | L [mm] |
|-------------|-----------|--------------------|----|-------|--------|
| 63 | 2 1/2 | 193 149 437 | 3 | 1.744 | 165 |
| 75 | 2 1/2 | 193 149 447 | 3 | 1.900 | 165 |
| 90 | 2 1/2 | 193 149 457 | 3 | 1.865 | 165 |
| 110 | 2 1/2 | 193 149 467 | 3 | 1.916 | 165 |
| 125 | 2 1/2 | 193 149 477 | 3 | 1.945 | 165 |
| 140 | 2 1/2 | 193 149 487 | 3 | 1.945 | 165 |
| 160 | 2 1/2 | 193 149 497 | 5 | 1.954 | 165 |
| 180 | 2 1/2 | 193 149 507 | 5 | 2.055 | 165 |
| 200 | 2 1/2 | 193 149 517 | 5 | 2.074 | 165 |
| 225 | 2 1/2 | 193 149 527 | 5 | 2.062 | 165 |
| 250 | 2 1/2 | 193 149 537 | 5 | 2.080 | 165 |
| * 280 | 2 1/2 | 193 149 547 | 5 | 1.550 | 165 |
| * 315 - 400 | 2 1/2 | 193 149 557 | 5 | 1.550 | 165 |

PF 2 51 313 001

53 149 200



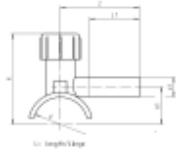
Stop-off Saddle with PE-Adaptor maximum passage 50 mm

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- Supplied as Kit with PE-Stop-Off Adaptor
- PE Stop-Off insert (for use with by-pass unit 799150376)
- 4 mm pin connectors
- Limited path fusion indicators
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required

| d [mm] | G [inch] | Code | GP | kg | L [mm] |
|-------------|----------|--------------------|----|-------|--------|
| 63 | 2 3/4 | 193 149 237 | 5 | 0.630 | 165 |
| 75 | 2 3/4 | 193 149 247 | 5 | 0.765 | 165 |
| 90 | 2 3/4 | 193 149 257 | 5 | 0.734 | 165 |
| 110 | 2 3/4 | 193 149 267 | 5 | 0.782 | 165 |
| 125 | 2 3/4 | 193 149 277 | 5 | 0.820 | 165 |
| 140 | 2 3/4 | 193 149 287 | 3 | 0.820 | 165 |
| 160 | 2 3/4 | 193 149 297 | 5 | 0.816 | 165 |
| 180 | 2 3/4 | 193 149 307 | 5 | 0.920 | 165 |
| 200 | 2 3/4 | 193 149 317 | 5 | 0.944 | 165 |
| 225 | 2 3/4 | 193 149 327 | 5 | 0.943 | 165 |
| 250 | 2 3/4 | 193 149 337 | 5 | 0.950 | 165 |
| * 280 | 2 3/4 | 193 149 347 | 6 | 0.920 | 165 |
| * 315 - 400 | 2 3/4 | 193 149 357 | 5 | 0.920 | 165 |

PF 2 51 313 001

53 131 400



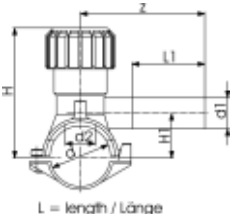
Tapping Saddle Monobloc topload

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Delivery without lower part for assembling as Topload with tool no. 799 301 558
- 4 mm pin connectors
- Fusion indicator
- Long fusion outlet
- O-ring-sealed screw cap

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|-----------|
| 32 | 20 | 193 281 459 | 10 | 0.142 | 12 | 83 | 29 | 101 | 65 | 90 |

PF 2 51 313 005

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 | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|-----------|
| 40 | 20 | 193 131 412 | 6 | 0.270 | 16 | 99 | 33 | 103 | 70 | 102 |
| 40 | 25 | 193 131 413 | 6 | 0.272 | 16 | 99 | 33 | 103 | 70 | 102 |
| 40 | 32 | 193 131 414 | 6 | 0.277 | 16 | 99 | 33 | 103 | 70 | 120 |
| 50 | 20 | 193 131 422 | 5 | 0.260 | 16 | 104 | 38 | 103 | 70 | 102 |
| 50 | 25 | 193 131 423 | 5 | 0.262 | 16 | 104 | 38 | 103 | 70 | 102 |
| 50 | 32 | 193 131 424 | 5 | 0.270 | 16 | 104 | 38 | 103 | 70 | 120 |

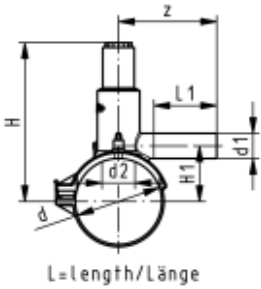
PF 2 51 313 005



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 moulded-on lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap



L = length / Länge

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|-----------|
| 63 | 20 | 193 131 932 | 20 | 0.390 | 25 | 146 | 44 | 144 | 76 | 110 |
| 63 | 25 | 193 131 933 | 20 | 0.390 | 25 | 146 | 44 | 144 | 76 | 110 |
| 63 | 32 | 193 131 934 | 20 | 0.390 | 25 | 146 | 44 | 144 | 76 | 110 |
| 90 | 20 | 193 131 952 | 12 | 0.450 | 32 | 198 | 61 | 162 | 76 | 115 |
| 90 | 25 | 193 131 953 | 12 | 0.450 | 32 | 198 | 61 | 162 | 76 | 115 |
| 90 | 32 | 193 131 954 | 12 | 0.450 | 32 | 198 | 61 | 162 | 76 | 115 |
| 110 | 20 | 193 131 962 | 9 | 0.535 | 32 | 208 | 71 | 162 | 76 | 115 |
| 110 | 25 | 193 131 963 | 9 | 0.665 | 32 | 208 | 71 | 162 | 76 | 115 |
| 110 | 32 | 193 131 964 | 9 | 0.535 | 32 | 208 | 71 | 162 | 76 | 125 |
| 110 | 63 | 193 131 967 | 8 | 0.600 | 32 | 208 | 71 | 162 | 100 | 160 |
| 125 | 20 | 193 131 972 | 6 | 0.600 | 32 | 216 | 79 | 162 | 76 | 120 |
| 125 | 25 | 193 131 973 | 6 | 0.600 | 32 | 216 | 79 | 162 | 76 | 120 |
| 125 | 32 | 193 131 974 | 6 | 0.600 | 32 | 216 | 79 | 162 | 76 | 120 |
| 160 | 20 | 193 131 992 | 6 | 0.665 | 32 | 233 | 96 | 162 | 76 | 120 |
| 160 | 25 | 193 131 993 | 6 | 0.665 | 32 | 233 | 96 | 162 | 76 | 125 |
| 160 | 32 | 193 131 994 | 6 | 0.665 | 32 | 233 | 96 | 162 | 76 | 130 |
| 160 | 63 | 193 131 997 | 6 | 0.700 | 32 | 233 | 96 | 162 | 100 | 170 |

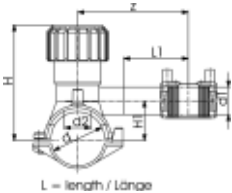
PF 2 51 313 005

53 132 400



Tapping Saddle (Kit) 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
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)

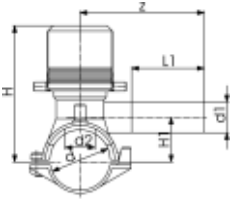


L = length / Länge

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|-----------|
| 40 | 20 | 193 132 412 | 6 | 0.324 | 16 | 99 | 33 | 103 | 70 | 102 |
| 40 | 25 | 193 132 413 | 6 | 0.331 | 16 | 99 | 33 | 103 | 70 | 102 |
| 40 | 32 | 193 132 414 | 5 | 0.353 | 16 | 99 | 33 | 103 | 70 | 120 |
| 50 | 20 | 193 132 422 | 5 | 0.325 | 16 | 105 | 38 | 103 | 70 | 102 |
| 50 | 25 | 193 132 423 | 5 | 0.323 | 16 | 105 | 38 | 103 | 70 | 102 |
| 50 | 32 | 193 132 424 | 5 | 0.342 | 16 | 105 | 38 | 103 | 70 | 120 |
| 63 | 40 | 193 132 435 | 6 | 0.534 | 25 | 134 | 44 | 126 | 70 | 130 |

PF 2 51 313 001

53 131 600



L = length / Länge

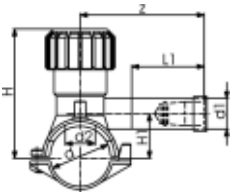
PF 2 51 313 005

Tapping Saddle with Electrofusion Cap 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
- Electrofusion Cap

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|-----------|--|
| 63 | 20 | 193 131 632 | 6 | 0.479 | 25 | 134 | 44 | 126 | 71 | 130 | |
| 63 | 25 | 193 131 633 | 6 | 0.483 | 25 | 134 | 44 | 126 | 71 | 130 | |
| 63 | 32 | 193 131 634 | 4 | 0.483 | 25 | 134 | 44 | 126 | 76 | 130 | |

53 130 600



L = length / Länge

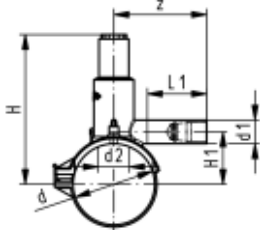
PF 2 51 313 006

Tapping Saddle with Gas-Stop Type 1-5 bar Monobloc version

- PE 100 SDR 11 (ISO S5)
- 5 bar Gas (for pressure 1 bar -5 bar)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife (GS 20/1 or GS 32/1)
- **Without overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 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 | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m³/h] |
|-----------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|-----------|------------------|
| 40 | 20 | 193 281 113 | 6 | 0.270 | 16 | 99 | 33 | 103 | 70 | 102 | 25 |
| 40 | 32 | 193 281 152 | 6 | 0.277 | 16 | 99 | 33 | 103 | 70 | 120 | 100 |

53 130 600



L = length / Länge

Tapping Saddle with Gas-Stop Type 1-5 bar Monobloc version

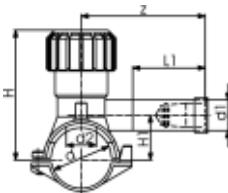


- PE 100 SDR 11 (ISO S5)
- 5 bar Gas (for pressure 1 bar -5 bar)
- With integrated cutter to tap live mains under pressure
- Complete with moulded-on lower part
- Gas-Stop System Pipelife (GS 20/1 or GS 32/1)
- **Without overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m ³ /h] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|----------------------------|
| 63 | 20 | 193 130 432 | 20 | 0.400 | 25 | 146 | 44 | 144 | 76 | 110 | 25 |
| 63 | 32 | 193 130 434 | 20 | 0.400 | 25 | 146 | 44 | 144 | 76 | 110 | 100 |
| 90 | 20 | 193 130 452 | 12 | 0.564 | 32 | 198 | 61 | 162 | 76 | 115 | 25 |
| 90 | 32 | 193 130 454 | 12 | 0.624 | 32 | 198 | 61 | 162 | 76 | 115 | 100 |
| 110 | 20 | 193 130 462 | 9 | 0.615 | 32 | 208 | 71 | 162 | 76 | 115 | 25 |
| 110 | 32 | 193 130 464 | 9 | 0.677 | 32 | 208 | 71 | 162 | 76 | 125 | 100 |
| 125 | 20 | 193 130 472 | 6 | 0.664 | 32 | 216 | 79 | 162 | 76 | 120 | 25 |
| 125 | 32 | 193 130 474 | 6 | 0.724 | 32 | 216 | 79 | 162 | 76 | 120 | 100 |
| 160 | 20 | 193 130 492 | 6 | 0.725 | 32 | 233 | 96 | 162 | 76 | 120 | 25 |
| 160 | 32 | 193 130 494 | 6 | 0.786 | 32 | 233 | 96 | 162 | 76 | 130 | 100 |

PF 2 51 313 006

53 130 600



L = length / Länge

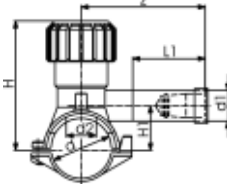
Tapping Saddle with Gas-Stop Type AD UE Monobloc version

- PE 100 SDR 11 (ISO S5)
- 1 bar Gas (for pressures from **25 mbar to 1 bar**)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type AD (GS 32/25 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 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 | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m ³ /h] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|----------------------------|
| 40 | 32 | 193 130 614 | 6 | 0.290 | 16 | 99 | 33 | 103 | 76 | 120 | 10 |
| 50 | 32 | 193 130 624 | 6 | 0.283 | 16 | 104 | 38 | 103 | 76 | 120 | 10 |
| 63 | 32 | 193 130 634 | 6 | 0.446 | 25 | 134 | 44 | 126 | 76 | 130 | 10 |

PF 2 51 313 006

53 130 800



L = length / Länge

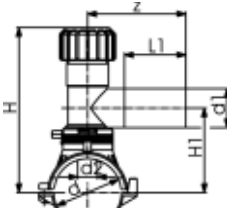
Tapping Saddle with Gas-Stop Type B UE Monobloc Version

- PE 100 SDR 11 (ISO S5)
- 5 bar Gas (for pressures from 200 mbar to 5 bar)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type S (GS 32/200 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 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 | GP | kg | D2 [mm] | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m ³ /h] |
|--------|---------|--------------------|----|-------|---------|---------|--------|---------|--------|---------|--------|----------------------------|
| 40 | 32 | 193 130 814 | 6 | 0.290 | 16 | 16 | 99 | 33 | 103 | 76 | 120 | 45 |
| 50 | 32 | 193 130 824 | 6 | 0.283 | 16 | 16 | 104 | 38 | 103 | 76 | 120 | 45 |
| 63 | 32 | 193 130 834 | 6 | 0.446 | 25 | 25 | 134 | 44 | 126 | 76 | 130 | 45 |

PF 2 51 313 006

53 131 400



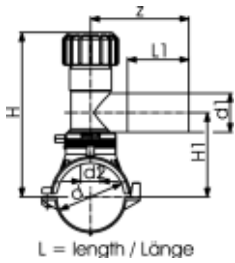
L = length / Länge

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 - 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. 799.350.475; angle adaptor (799.350.340) for fusion cable required

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 63 | 20 | 193 131 402 | 3 | 0.695 | 32 | 186 | 108 | 165 | 71 | 130 |
| 63 | 25 | 193 131 403 | 3 | 0.713 | 32 | 186 | 108 | 165 | 71 | 130 |
| 63 | 32 | 193 131 404 | 3 | 0.715 | 32 | 186 | 108 | 165 | 76 | 130 |
| 63 | 40 | 193 131 405 | 3 | 0.731 | 32 | 186 | 108 | 165 | 81 | 137 |
| 63 | 63 | 193 131 437 | 5 | 1.455 | 32 | 134 | 112 | 165 | 100 | 160 |
| 75 | 20 | 193 131 442 | 3 | 0.825 | 32 | 191 | 113 | 165 | 71 | 130 |
| 75 | 25 | 193 131 443 | 3 | 0.839 | 32 | 191 | 113 | 165 | 71 | 130 |
| 75 | 32 | 193 131 444 | 3 | 0.841 | 32 | 191 | 113 | 165 | 76 | 130 |
| 75 | 40 | 193 131 445 | 3 | 0.858 | 32 | 191 | 113 | 165 | 81 | 137 |
| 75 | 63 | 193 131 447 | 5 | 1.579 | 32 | 240 | 118 | 165 | 100 | 160 |
| 90 | 20 | 193 131 452 | 3 | 0.791 | 32 | 199 | 121 | 165 | 71 | 130 |
| 90 | 25 | 193 131 453 | 3 | 0.802 | 32 | 199 | 121 | 165 | 71 | 130 |
| 90 | 32 | 193 131 454 | 3 | 0.801 | 32 | 199 | 121 | 165 | 76 | 130 |
| 90 | 40 | 193 131 455 | 3 | 0.819 | 32 | 199 | 121 | 165 | 81 | 137 |
| 90 | 63 | 193 131 457 | 5 | 1.541 | 32 | 248 | 126 | 165 | 100 | 160 |
| 110 | 20 | 193 131 462 | 3 | 0.853 | 32 | 209 | 131 | 165 | 71 | 130 |
| 110 | 25 | 193 131 463 | 3 | 0.860 | 32 | 209 | 131 | 165 | 71 | 130 |
| 110 | 32 | 193 131 464 | 3 | 0.860 | 32 | 209 | 131 | 165 | 76 | 130 |
| 110 | 40 | 193 131 465 | 3 | 0.877 | 32 | 209 | 131 | 165 | 81 | 137 |
| 110 | 63 | 193 131 467 | 3 | 1.590 | 35 | 258 | 136 | 165 | 100 | 160 |
| 125 | 20 | 193 131 472 | 3 | 0.879 | 32 | 216 | 138 | 165 | 71 | 130 |
| 125 | 25 | 193 131 473 | 4 | 0.883 | 32 | 216 | 138 | 165 | 71 | 130 |
| 125 | 32 | 193 131 474 | 3 | 0.889 | 32 | 216 | 138 | 165 | 76 | 130 |
| 125 | 40 | 193 131 475 | 3 | 0.906 | 32 | 216 | 138 | 165 | 81 | 137 |
| 125 | 63 | 193 131 477 | 3 | 1.623 | 35 | 265 | 143 | 165 | 100 | 160 |
| 140 | 20 | 193 131 482 | 3 | 0.887 | 32 | 233 | 146 | 165 | 71 | 130 |
| 140 | 25 | 193 131 483 | 3 | 0.884 | 32 | 233 | 146 | 165 | 71 | 130 |
| 140 | 32 | 193 131 484 | 3 | 0.900 | 32 | 233 | 146 | 165 | 76 | 130 |
| 140 | 40 | 193 131 485 | 3 | 0.920 | 32 | 233 | 146 | 165 | 81 | 137 |
| 140 | 63 | 193 131 487 | 3 | 1.639 | 35 | 273 | 151 | 165 | 100 | 160 |
| 160 | 20 | 193 131 492 | 3 | 0.886 | 32 | 243 | 156 | 165 | 71 | 130 |
| 160 | 25 | 193 131 493 | 3 | 0.896 | 32 | 243 | 156 | 165 | 71 | 130 |

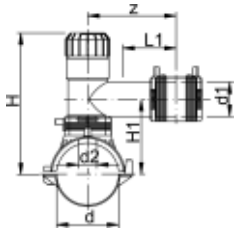
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| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-----------|---------|-------------|----|-------|---------|--------|---------|--------|---------|--------|
| 160 | 32 | 193 131 494 | 3 | 0.896 | 32 | 243 | 156 | 165 | 76 | 130 |
| 160 | 40 | 193 131 495 | 3 | 0.920 | 32 | 243 | 156 | 165 | 81 | 137 |
| 160 | 63 | 193 131 497 | 3 | 1.636 | 35 | 283 | 161 | 165 | 100 | 160 |
| 180 | 20 | 193 131 502 | 3 | 1.002 | 32 | 244 | 166 | 165 | 71 | 130 |
| 180 | 25 | 193 131 503 | 3 | 1.002 | 32 | 244 | 166 | 165 | 71 | 130 |
| 180 | 32 | 193 131 504 | 5 | 1.002 | 32 | 244 | 166 | 165 | 76 | 130 |
| 180 | 40 | 193 131 505 | 3 | 1.022 | 32 | 244 | 166 | 165 | 81 | 137 |
| 180 | 63 | 193 131 507 | 3 | 1.742 | 35 | 293 | 171 | 165 | 100 | 160 |
| 200 | 20 | 193 131 512 | 3 | 1.011 | 32 | 254 | 176 | 165 | 71 | 137 |
| 200 | 25 | 193 131 513 | 5 | 1.011 | 32 | 254 | 176 | 165 | 71 | 130 |
| 200 | 32 | 193 131 514 | 3 | 1.021 | 32 | 254 | 176 | 165 | 76 | 130 |
| 200 | 40 | 193 131 515 | 3 | 1.041 | 32 | 254 | 176 | 165 | 81 | 137 |
| 200 | 63 | 193 131 517 | 3 | 1.761 | 35 | 303 | 181 | 165 | 100 | 160 |
| 225 | 20 | 193 131 522 | 3 | 1.014 | 32 | 266 | 188 | 165 | 71 | 130 |
| 225 | 25 | 193 131 523 | 3 | 1.014 | 32 | 266 | 188 | 165 | 71 | 130 |
| 225 | 32 | 193 131 524 | 3 | 1.014 | 32 | 266 | 188 | 165 | 76 | 130 |
| 225 | 40 | 193 131 525 | 5 | 1.043 | 32 | 266 | 188 | 165 | 81 | 137 |
| 225 | 63 | 193 131 527 | 3 | 1.763 | 35 | 315 | 193 | 165 | 100 | 160 |
| 250 | 20 | 193 131 532 | 3 | 1.025 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 25 | 193 131 533 | 3 | 1.035 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 32 | 193 131 534 | 3 | 1.035 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 40 | 193 131 535 | 3 | 1.055 | 32 | 279 | 201 | 165 | 81 | 137 |
| 250 | 63 | 193 131 537 | 3 | 1.775 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 280 | 63 | 193 131 547 | 5 | 1.240 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 315-400 | 63 | 193 131 557 | 5 | 1.513 | 35 | 328 | 206 | 165 | 100 | 160 |

PF 2 51 313 001

53 132 400

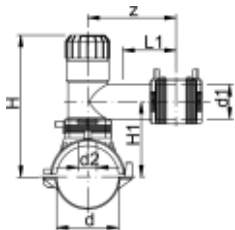


Tapping Saddle (Kit) with 360° rotatable outlet

- 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
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)
- 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. 799.350.475; angle adaptor (799.350.340) for fusion cable required

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|---------|-------------|----|-------|---------|--------|---------|--------|---------|--------|
| 63 | 20 | 193 132 402 | 3 | 0.749 | 32 | 186 | 108 | 165 | 76 | 130 |
| 63 | 25 | 193 132 403 | 3 | 0.773 | 32 | 186 | 108 | 165 | 76 | 130 |
| 63 | 32 | 193 132 404 | 3 | 0.787 | 32 | 186 | 108 | 165 | 76 | 130 |
| 63 | 40 | 193 132 405 | 3 | 0.831 | 32 | 186 | 108 | 165 | 76 | 130 |
| 63 | 50 | 193 132 436 | 5 | 1.651 | 32 | 234 | 112 | 165 | 100 | 160 |
| 63 | 63 | 193 132 437 | 5 | 1.649 | 32 | 234 | 112 | 165 | 100 | 160 |
| 75 | 20 | 193 132 442 | 3 | 0.879 | 32 | 191 | 113 | 165 | 76 | 130 |
| 75 | 25 | 193 132 443 | 3 | 0.900 | 32 | 191 | 113 | 165 | 76 | 130 |
| 75 | 32 | 193 132 444 | 3 | 0.913 | 32 | 191 | 113 | 165 | 76 | 130 |
| 75 | 40 | 193 132 445 | 3 | 0.958 | 32 | 240 | 118 | 165 | 76 | 160 |
| 75 | 50 | 193 132 446 | 5 | 1.775 | 32 | 240 | 118 | 165 | 100 | 160 |
| 75 | 63 | 193 132 447 | 5 | 1.773 | 32 | 240 | 118 | 165 | 100 | 160 |
| 90 | 20 | 193 132 452 | 3 | 0.845 | 32 | 199 | 121 | 165 | 76 | 130 |
| 90 | 25 | 193 132 453 | 3 | 0.862 | 32 | 199 | 121 | 165 | 76 | 130 |
| 90 | 32 | 193 132 454 | 3 | 0.875 | 32 | 199 | 121 | 165 | 76 | 130 |
| 90 | 40 | 193 132 455 | 3 | 0.919 | 32 | 199 | 126 | 165 | 76 | 130 |
| 90 | 50 | 193 132 456 | 5 | 1.737 | 32 | 248 | 126 | 165 | 100 | 160 |
| 90 | 63 | 193 132 457 | 5 | 1.735 | 32 | 248 | 126 | 165 | 100 | 160 |
| 110 | 20 | 193 132 462 | 3 | 0.907 | 32 | 209 | 131 | 165 | 76 | 130 |
| 110 | 25 | 193 132 463 | 3 | 0.920 | 32 | 209 | 131 | 165 | 76 | 130 |
| 110 | 32 | 193 132 464 | 3 | 0.932 | 32 | 209 | 131 | 165 | 76 | 130 |
| 110 | 40 | 193 132 465 | 3 | 0.977 | 32 | 209 | 136 | 165 | 76 | 130 |
| 110 | 50 | 193 132 466 | 3 | 1.786 | 35 | 258 | 136 | 165 | 100 | 160 |
| 110 | 63 | 193 132 467 | 3 | 1.784 | 35 | 258 | 136 | 165 | 100 | 160 |
| 125 | 20 | 193 132 472 | 3 | 0.933 | 32 | 216 | 138 | 165 | 76 | 130 |
| 125 | 25 | 193 132 473 | 3 | 0.943 | 32 | 216 | 138 | 165 | 76 | 130 |
| 125 | 32 | 193 132 474 | 3 | 0.961 | 32 | 216 | 138 | 165 | 76 | 130 |

table continued next page



| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-------------|---------|-------------|----|-------|---------|--------|---------|--------|---------|--------|
| 125 | 40 | 193 132 475 | 3 | 1.006 | 32 | 216 | 143 | 165 | 76 | 130 |
| 125 | 50 | 193 132 476 | 3 | 1.819 | 35 | 256 | 143 | 165 | 100 | 160 |
| 125 | 63 | 193 132 477 | 3 | 1.817 | 35 | 256 | 143 | 165 | 100 | 160 |
| 140 | 20 | 193 132 482 | 3 | 0.941 | 32 | 234 | 146 | 165 | 76 | 130 |
| 140 | 25 | 193 132 483 | 3 | 0.944 | 32 | 234 | 146 | 165 | 76 | 130 |
| 140 | 32 | 193 132 484 | 3 | 0.972 | 32 | 234 | 146 | 165 | 76 | 130 |
| 140 | 40 | 193 132 485 | 3 | 1.020 | 32 | 234 | 146 | 165 | 76 | 130 |
| 140 | 50 | 193 132 486 | 3 | 1.835 | 35 | 283 | 151 | 165 | 100 | 160 |
| 140 | 63 | 193 132 487 | 3 | 1.833 | 35 | 283 | 151 | 165 | 100 | 160 |
| 160 | 20 | 193 132 492 | 3 | 0.940 | 32 | 234 | 156 | 165 | 76 | 130 |
| 160 | 25 | 193 132 493 | 3 | 0.956 | 32 | 234 | 156 | 165 | 76 | 130 |
| 160 | 32 | 193 132 494 | 3 | 0.968 | 32 | 234 | 156 | 165 | 76 | 130 |
| 160 | 40 | 193 132 495 | 3 | 1.016 | 32 | 234 | 161 | 165 | 76 | 130 |
| 160 | 50 | 193 132 496 | 3 | 1.832 | 35 | 283 | 161 | 165 | 100 | 160 |
| 160 | 63 | 193 132 497 | 3 | 1.830 | 35 | 283 | 161 | 165 | 100 | 160 |
| 180 | 20 | 193 132 502 | 3 | 1.020 | 32 | 244 | 166 | 165 | 71 | 130 |
| 180 | 25 | 193 132 503 | 3 | 1.210 | 32 | 244 | 166 | 165 | 71 | 130 |
| 180 | 32 | 193 132 504 | 3 | 1.074 | 32 | 244 | 166 | 165 | 76 | 130 |
| 180 | 40 | 193 132 505 | 3 | 1.122 | 32 | 244 | 171 | 165 | 76 | 130 |
| 180 | 50 | 193 132 506 | 3 | 1.938 | 35 | 293 | 171 | 165 | 100 | 160 |
| 180 | 63 | 193 132 507 | 3 | 1.936 | 35 | 293 | 171 | 165 | 100 | 160 |
| 200 | 20 | 193 132 512 | 3 | 1.065 | 32 | 254 | 176 | 165 | 76 | 130 |
| 200 | 25 | 193 132 513 | 3 | 1.065 | 32 | 254 | 176 | 165 | 71 | 130 |
| 200 | 32 | 193 132 514 | 3 | 1.093 | 32 | 254 | 176 | 165 | 76 | 130 |
| 200 | 40 | 193 132 515 | 3 | 1.141 | 32 | 254 | 181 | 165 | 76 | 130 |
| 200 | 50 | 193 132 516 | 3 | 1.957 | 35 | 303 | 181 | 165 | 100 | 160 |
| 200 | 63 | 193 132 517 | 3 | 1.955 | 35 | 303 | 181 | 165 | 100 | 160 |
| 225 | 20 | 193 132 522 | 3 | 1.460 | 32 | 266 | 188 | 165 | 71 | 130 |
| 225 | 25 | 193 132 523 | 3 | 1.460 | 32 | 266 | 188 | 165 | 71 | 130 |
| 225 | 32 | 193 132 524 | 3 | 1.086 | 32 | 266 | 188 | 165 | 76 | 130 |
| 225 | 40 | 193 132 525 | 3 | 1.143 | 32 | 266 | 193 | 165 | 76 | 130 |
| 225 | 50 | 193 132 526 | 3 | 1.959 | 35 | 315 | 193 | 165 | 100 | 160 |
| 225 | 63 | 193 132 527 | 3 | 1.957 | 35 | 315 | 193 | 165 | 100 | 160 |
| 250 | 20 | 193 132 532 | 5 | 1.079 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 25 | 193 132 533 | 3 | 1.095 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 32 | 193 132 534 | 3 | 1.107 | 32 | 279 | 201 | 165 | 76 | 130 |
| 250 | 40 | 193 132 535 | 3 | 1.155 | 32 | 279 | 206 | 165 | 76 | 160 |
| 250 | 50 | 193 132 536 | 3 | 1.971 | 35 | 328 | 206 | 165 | 100 | 160 |
| 250 | 63 | 193 132 537 | 3 | 1.969 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 280 | 32 | 193 132 544 | 3 | 1.460 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 280 | 40 | 193 132 545 | 3 | 1.500 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 280 | 50 | 193 132 546 | 5 | 1.500 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 280 | 63 | 193 132 547 | 5 | 1.510 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 315 - 400 | 32 | 193 132 554 | 5 | 1.015 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 315 - 400 | 40 | 193 132 555 | 5 | 1.015 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 315 - 400 | 50 | 193 132 556 | 5 | 1.440 | 35 | 328 | 206 | 165 | 100 | 160 |
| * 315 - 400 | 63 | 193 132 557 | 5 | 1.450 | 35 | 328 | 206 | 165 | 100 | 160 |

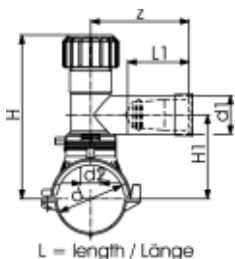
PF 2 51 313 001

53 130 600



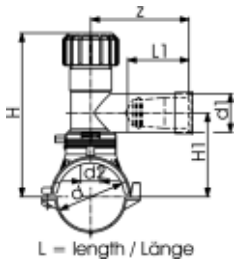
Tapping Saddle with Gas-Stop Type 1-5 bar with 360° rotatable outlet

- PE 100 SDR 11 (ISO S5)
- 5 bar Gas (for pressure 1 bar -5 bar)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife (GS 20/1, GS 32/1, GS 63/1)
- **Without overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 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 | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m³/h] |
|--------|---------|-------------|----|-------|---------|--------|---------|--------|---------|--------|---------------|
| 63 | 63 | 193 281 159 | 5 | 1.556 | 32 | 134 | 112 | 165 | 100 | 160 | 280 |
| 90 | 20 | 193 281 435 | 3 | 0.728 | 25 | 199 | 121 | 165 | 71 | 130 | 25 |
| 90 | 32 | 193 281 154 | 3 | 0.728 | 25 | 199 | 121 | 165 | 76 | 130 | 100 |
| 90 | 63 | 193 281 160 | 5 | 1.642 | 32 | 248 | 126 | 165 | 100 | 160 | 280 |
| 110 | 20 | 193 281 437 | 3 | 0.873 | 25 | 209 | 131 | 165 | 71 | 130 | 25 |
| 110 | 32 | 193 281 155 | 3 | 0.873 | 25 | 209 | 131 | 165 | 76 | 130 | 100 |

table continued next page



PF 2 51 313 003

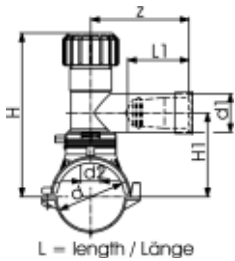
| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m ³ /h] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|----------------------------|
| 110 | 63 | 193 281 161 | 3 | 1.691 | 35 | 258 | 136 | 165 | 100 | 160 | 280 |
| 125 | 20 | 193 281 438 | 3 | 0.902 | 25 | 216 | 138 | 165 | 71 | 130 | 25 |
| 125 | 32 | 193 281 156 | 3 | 0.902 | 25 | 216 | 138 | 165 | 76 | 130 | 100 |
| 125 | 63 | 193 281 162 | 3 | 1.724 | 35 | 265 | 143 | 165 | 100 | 160 | 280 |
| 160 | 20 | 193 281 439 | 3 | 0.909 | 25 | 243 | 156 | 165 | 71 | 130 | 25 |
| 160 | 32 | 193 281 157 | 3 | 0.909 | 25 | 243 | 156 | 165 | 76 | 130 | 100 |
| 160 | 63 | 193 281 163 | 3 | 1.737 | 35 | 283 | 161 | 165 | 100 | 160 | 280 |
| 225 | 20 | 193 281 122 | 3 | 1.011 | 25 | 266 | 188 | 165 | 71 | 130 | 25 |
| 225 | 32 | 193 281 158 | 3 | 1.011 | 25 | 266 | 188 | 165 | 76 | 130 | 100 |
| 225 | 63 | 193 281 164 | 3 | 1.864 | 35 | 315 | 193 | 165 | 100 | 160 | 280 |

53 130 600



Tapping Saddle with Gas-Stop Type AD UE with 360° rotatable outlet

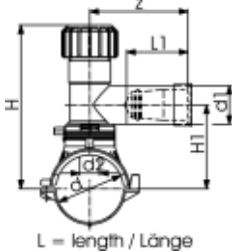
- PE 100 SDR 11 (ISO S5)
- 1 bar Gas (for pressures from **25 mbar to 1 bar**)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type AD (GS 32/25 UE or GS 63/25 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap



PF 2 51 313 003

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m ³ /h] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|----------------------------|
| 63 | 32 | 193 130 604 | 3 | 0.728 | 32 | 186 | 108 | 165 | 76 | 130 | 10 |
| 63 | 63 | 193 130 637 | 5 | 1.556 | 32 | 134 | 112 | 165 | 100 | 160 | 40 |
| 75 | 32 | 193 130 644 | 3 | 0.854 | 32 | 191 | 113 | 165 | 76 | 130 | 10 |
| 75 | 63 | 193 130 647 | 5 | 1.680 | 32 | 240 | 118 | 165 | 100 | 160 | 40 |
| 90 | 32 | 193 130 654 | 3 | 0.814 | 32 | 199 | 121 | 165 | 76 | 130 | 10 |
| 90 | 63 | 193 130 657 | 5 | 1.642 | 32 | 248 | 126 | 165 | 100 | 160 | 40 |
| 110 | 32 | 193 130 664 | 3 | 0.873 | 32 | 209 | 131 | 165 | 76 | 130 | 10 |
| 110 | 63 | 193 130 667 | 3 | 1.691 | 35 | 258 | 136 | 165 | 100 | 160 | 40 |
| 125 | 32 | 193 130 674 | 3 | 0.902 | 32 | 216 | 138 | 165 | 76 | 130 | 10 |
| 125 | 63 | 193 130 677 | 3 | 1.724 | 35 | 265 | 143 | 165 | 100 | 160 | 40 |
| 140 | 32 | 193 130 684 | 3 | 0.913 | 32 | 233 | 146 | 165 | 76 | 130 | 10 |
| 140 | 63 | 193 130 687 | 3 | 1.740 | 35 | 273 | 151 | 165 | 100 | 160 | 40 |
| 160 | 32 | 193 130 694 | 3 | 0.909 | 32 | 243 | 156 | 165 | 76 | 130 | 10 |
| 160 | 63 | 193 130 697 | 3 | 1.737 | 35 | 283 | 161 | 165 | 100 | 160 | 40 |
| 180 | 32 | 193 130 704 | 3 | 1.015 | 32 | 244 | 166 | 165 | 76 | 130 | 10 |
| 180 | 63 | 193 130 707 | 3 | 1.843 | 35 | 293 | 171 | 165 | 100 | 160 | 40 |
| 200 | 32 | 193 130 714 | 3 | 1.034 | 32 | 254 | 176 | 165 | 76 | 130 | 10 |
| 200 | 63 | 193 130 717 | 3 | 1.862 | 35 | 303 | 181 | 165 | 100 | 160 | 40 |
| 225 | 32 | 193 130 724 | 3 | 1.027 | 32 | 266 | 188 | 165 | 76 | 130 | 10 |
| 225 | 63 | 193 130 727 | 3 | 1.864 | 35 | 315 | 193 | 165 | 100 | 160 | 40 |
| 250 | 32 | 193 130 734 | 3 | 1.048 | 32 | 279 | 201 | 165 | 76 | 130 | 10 |
| 250 | 63 | 193 130 737 | 3 | 1.876 | 35 | 328 | 206 | 165 | 100 | 160 | 40 |

53 130 800



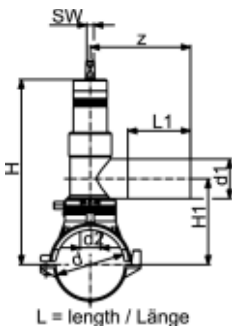
Tapping Saddle with Gas-Stop Type S UE with 360° rotatable outlet

- PE 100 SDR 11 (ISO S5)
- 5 bar Gas (for pressures from 200 mbar to 5 bar)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type S (GS 32/200 UE or GS 63/200 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 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 | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] | Vn max [m³/h] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|---------------|
| 63 | 32 | 193 130 804 | 3 | 0.728 | 32 | 186 | 108 | 165 | 76 | 130 | 45 |
| 63 | 63 | 193 130 837 | 5 | 1.556 | 32 | 134 | 112 | 165 | 100 | 160 | 180 |
| 75 | 32 | 193 130 844 | 5 | 0.854 | 32 | 191 | 113 | 165 | 76 | 130 | 45 |
| 75 | 63 | 193 130 847 | 5 | 1.680 | 32 | 240 | 118 | 165 | 100 | 160 | 180 |
| 90 | 32 | 193 130 854 | 3 | 0.814 | 32 | 199 | 121 | 165 | 76 | 130 | 45 |
| 90 | 63 | 193 130 857 | 5 | 1.642 | 32 | 248 | 126 | 165 | 100 | 160 | 180 |
| 110 | 32 | 193 130 864 | 3 | 0.873 | 32 | 209 | 131 | 165 | 76 | 130 | 45 |
| 110 | 63 | 193 130 867 | 3 | 1.691 | 35 | 258 | 136 | 165 | 100 | 160 | 180 |
| 125 | 32 | 193 130 874 | 3 | 0.902 | 32 | 216 | 138 | 165 | 76 | 130 | 45 |
| 125 | 63 | 193 130 877 | 3 | 1.724 | 35 | 265 | 143 | 165 | 100 | 160 | 180 |
| 140 | 32 | 193 130 884 | 3 | 0.913 | 32 | 233 | 146 | 165 | 76 | 130 | 45 |
| 140 | 63 | 193 130 887 | 3 | 1.740 | 35 | 273 | 151 | 165 | 100 | 160 | 180 |
| 160 | 32 | 193 130 894 | 3 | 0.909 | 32 | 243 | 156 | 165 | 76 | 130 | 45 |
| 160 | 63 | 193 130 897 | 3 | 1.737 | 35 | 283 | 161 | 165 | 100 | 160 | 180 |
| 180 | 32 | 193 130 904 | 3 | 1.015 | 32 | 244 | 166 | 165 | 76 | 130 | 45 |
| 180 | 63 | 193 130 907 | 3 | 1.843 | 35 | 293 | 171 | 165 | 100 | 160 | 180 |
| 200 | 32 | 193 130 914 | 3 | 1.034 | 32 | 254 | 176 | 165 | 76 | 130 | 45 |
| 200 | 63 | 193 130 917 | 3 | 1.862 | 35 | 303 | 181 | 165 | 100 | 160 | 180 |
| 225 | 32 | 193 130 924 | 3 | 1.027 | 32 | 266 | 188 | 165 | 76 | 130 | 45 |
| 225 | 63 | 193 130 927 | 3 | 1.864 | 35 | 315 | 193 | 165 | 100 | 160 | 180 |
| 250 | 32 | 193 130 934 | 3 | 1.048 | 32 | 279 | 201 | 165 | 76 | 130 | 45 |
| 250 | 63 | 193 130 937 | 3 | 1.876 | 35 | 328 | 206 | 165 | 100 | 160 | 180 |

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53 152 200

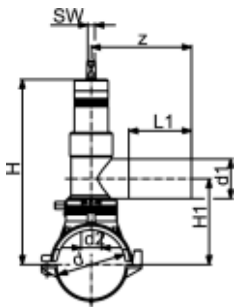


Pressure Tapping Valve with 360° rotatable outlet

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d 32
- Number of turns to fully open or close valve is 28 for outlet d 63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 63 | 32 | 193 155 234 | 5 | 2.935 | 21 | 202 | 97 | 165 | 70 | 127 |
| 63 | 63 | 193 155 237 | 5 | 2.935 | 31 | 272 | 112 | 165 | 100 | 160 |
| 75 | 32 | 193 155 244 | 5 | 3.065 | 21 | 208 | 103 | 165 | 70 | 127 |
| 75 | 63 | 193 155 247 | 5 | 3.065 | 31 | 278 | 118 | 165 | 100 | 160 |
| 90 | 32 | 193 155 254 | 5 | 3.025 | 21 | 216 | 111 | 165 | 70 | 127 |
| 90 | 63 | 193 155 257 | 5 | 3.025 | 31 | 286 | 126 | 165 | 100 | 160 |
| 110 | 32 | 193 155 264 | 3 | 3.093 | 21 | 226 | 121 | 165 | 70 | 127 |
| 110 | 63 | 193 155 267 | 3 | 3.093 | 31 | 296 | 136 | 165 | 100 | 160 |
| 125 | 32 | 193 155 274 | 3 | 3.123 | 21 | 233 | 128 | 165 | 70 | 127 |
| 125 | 63 | 193 155 277 | 3 | 3.123 | 31 | 303 | 143 | 165 | 100 | 160 |
| 140 | 32 | 193 155 284 | 3 | 3.123 | 21 | 241 | 136 | 165 | 70 | 127 |
| 140 | 63 | 193 155 287 | 3 | 3.123 | 31 | 311 | 151 | 165 | 100 | 160 |
| 160 | 32 | 193 155 294 | 3 | 3.126 | 21 | 251 | 146 | 165 | 70 | 127 |
| 160 | 63 | 193 155 297 | 3 | 3.126 | 31 | 321 | 161 | 165 | 100 | 160 |

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L = length / Länge

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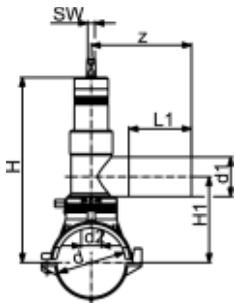
| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 180 | 32 | 193 155 304 | 3 | 3.232 | 21 | 261 | 156 | 165 | 70 | 127 |
| 180 | 63 | 193 155 307 | 3 | 3.232 | 31 | 331 | 171 | 165 | 100 | 160 |
| 200 | 32 | 193 155 314 | 3 | 3.251 | 21 | 271 | 166 | 165 | 70 | 127 |
| 200 | 63 | 193 155 317 | 3 | 3.251 | 31 | 341 | 181 | 165 | 100 | 160 |
| 225 | 32 | 193 155 324 | 3 | 3.253 | 21 | 281 | 178 | 165 | 70 | 127 |
| 225 | 63 | 193 155 327 | 3 | 3.253 | 31 | 353 | 193 | 165 | 100 | 160 |
| 250 | 63 | 193 155 337 | 3 | 3.000 | 31 | 366 | 206 | 165 | 100 | 160 |

53 152 300

Pressure Tapping Valve with 360° rotatable outlet



- PE 100 SDR 17 (ISO S8)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- **Suitable for pipes with wall thickness between 7 and 21 mm only.**
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required



L = length / Länge

PF 2 51 313 004

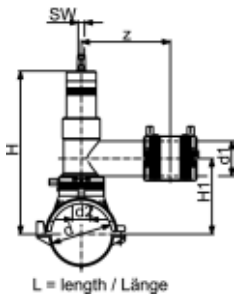
| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | z [mm] |
|-------------|---------|--------------------|----|-------|---------|--------|---------|--------|---------|--------|
| 250 | 32 | 193 155 334 | 3 | 3.000 | 21 | 293 | 191 | 165 | 70 | 127 |
| * 280 | 32 | 193 155 344 | 3 | 3.000 | 21 | 293 | 191 | 165 | 70 | 127 |
| * 280 | 63 | 193 155 347 | 3 | 3.000 | 31 | 366 | 206 | 165 | 100 | 160 |
| * 315 - 400 | 32 | 193 155 354 | 3 | 3.000 | 21 | 293 | 191 | 165 | 70 | 127 |
| * 315 - 400 | 63 | 193 155 357 | 3 | 3.000 | 31 | 366 | 206 | 165 | 100 | 160 |

53 152 000

Pressure Tapping Valve (Kit) with 360° rotatable outlet



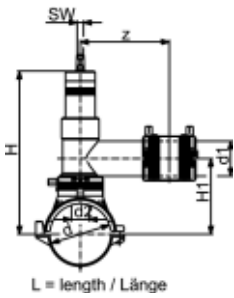
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d 32
- Number of turns to fully open or close valve is 28 for outlet d 40, d 50, d 63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)



L = length / Länge

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | z [mm] |
|--------|---------|--------------------|----|-------|---------|--------|---------|--------|--------|
| 63 | 32 | 193 155 034 | 5 | 3.113 | 21 | 202 | 97 | 165 | 127 |
| 63 | 40 | 193 155 035 | 5 | 3.119 | 31 | 272 | 112 | 165 | 160 |
| 63 | 50 | 193 155 036 | 5 | 3.131 | 31 | 272 | 112 | 165 | 160 |
| 63 | 63 | 193 155 037 | 5 | 3.129 | 31 | 272 | 112 | 165 | 160 |
| 75 | 32 | 193 155 044 | 3 | 3.243 | 21 | 208 | 103 | 165 | 127 |
| 75 | 40 | 193 155 045 | 3 | 3.249 | 31 | 278 | 118 | 165 | 160 |
| 75 | 50 | 193 155 046 | 5 | 3.261 | 31 | 278 | 118 | 165 | 160 |
| 75 | 63 | 193 155 047 | 1 | 3.259 | 31 | 278 | 118 | 165 | 160 |
| 90 | 32 | 193 155 054 | 5 | 3.203 | 21 | 216 | 111 | 165 | 127 |
| 90 | 40 | 193 155 055 | 5 | 3.209 | 31 | 286 | 126 | 165 | 160 |
| 90 | 50 | 193 155 056 | 5 | 3.215 | 31 | 286 | 126 | 165 | 160 |
| 90 | 63 | 193 155 057 | 5 | 3.213 | 31 | 286 | 126 | 165 | 160 |

table continued next page



| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | z [mm] |
|--------|---------|-------------|----|-------|---------|--------|---------|--------|--------|
| 110 | 32 | 193 155 064 | 3 | 3.241 | 21 | 226 | 121 | 165 | 127 |
| 110 | 40 | 193 155 065 | 3 | 3.247 | 31 | 296 | 136 | 165 | 160 |
| 110 | 50 | 193 155 066 | 3 | 3.253 | 31 | 296 | 136 | 165 | 160 |
| 110 | 63 | 193 155 067 | 3 | 3.251 | 31 | 296 | 136 | 165 | 160 |
| 125 | 32 | 193 155 074 | 3 | 3.271 | 21 | 233 | 128 | 165 | 127 |
| 125 | 40 | 193 155 075 | 3 | 3.307 | 31 | 303 | 143 | 165 | 160 |
| 125 | 50 | 193 155 076 | 3 | 3.319 | 31 | 303 | 143 | 165 | 160 |
| 125 | 63 | 193 155 077 | 3 | 3.317 | 31 | 303 | 143 | 165 | 160 |
| 140 | 32 | 193 155 084 | 1 | 3.301 | 21 | 241 | 136 | 165 | 127 |
| 140 | 40 | 193 155 085 | 3 | 3.307 | 31 | 311 | 151 | 165 | 160 |
| 140 | 50 | 193 155 086 | 3 | 3.315 | 31 | 311 | 151 | 165 | 160 |
| 140 | 63 | 193 155 087 | 1 | 3.313 | 31 | 311 | 151 | 165 | 160 |
| 160 | 32 | 193 155 094 | 3 | 3.304 | 21 | 251 | 146 | 165 | 127 |
| 160 | 40 | 193 155 095 | 3 | 3.310 | 31 | 321 | 161 | 165 | 160 |
| 160 | 50 | 193 155 096 | 3 | 3.318 | 31 | 321 | 161 | 165 | 160 |
| 160 | 63 | 193 155 097 | 3 | 3.308 | 31 | 321 | 161 | 165 | 160 |
| 180 | 32 | 193 155 104 | 3 | 3.410 | 21 | 261 | 156 | 165 | 127 |
| 180 | 40 | 193 155 105 | 3 | 3.416 | 31 | 331 | 171 | 165 | 160 |
| 180 | 50 | 193 155 106 | 3 | 3.424 | 31 | 331 | 171 | 165 | 160 |
| 180 | 63 | 193 155 107 | 3 | 3.426 | 31 | 331 | 171 | 165 | 160 |
| 200 | 32 | 193 155 114 | 3 | 3.431 | 21 | 271 | 166 | 165 | 127 |
| 200 | 40 | 193 155 115 | 1 | 3.435 | 31 | 341 | 181 | 165 | 160 |
| 200 | 50 | 193 155 116 | 3 | 3.453 | 31 | 341 | 181 | 165 | 160 |
| 200 | 63 | 193 155 117 | 1 | 3.451 | 31 | 341 | 181 | 165 | 160 |
| 225 | 32 | 193 155 124 | 3 | 3.431 | 21 | 281 | 178 | 165 | 127 |
| 225 | 40 | 193 155 125 | 3 | 3.437 | 31 | 353 | 193 | 165 | 160 |
| 225 | 50 | 193 155 126 | 3 | 3.445 | 31 | 353 | 193 | 165 | 160 |
| 225 | 63 | 193 155 127 | 3 | 3.443 | 31 | 353 | 193 | 165 | 160 |
| 250 | 40 | 193 155 135 | 3 | 3.449 | 30 | 366 | 206 | 165 | 160 |
| 250 | 50 | 193 155 136 | 1 | 3.457 | 30 | 366 | 206 | 165 | 160 |
| 250 | 63 | 193 155 137 | 1 | 3.455 | 30 | 366 | 206 | 165 | 160 |

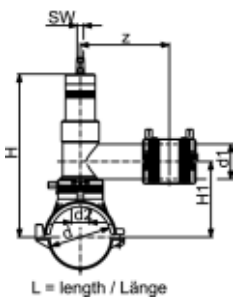
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53 152 100

Pressure Tapping Valve (Kit) with 360° rotatable outlet



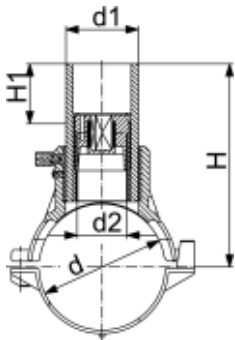
- PE 100 SDR 17 (ISO S8)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- **Suitable for pipes with wall thickness between 7 and 21 mm only.**
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d 32
- Number of turns to fully open or close valve is 28 for outlet d 40, d 50, d 63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)
- Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required



| d [mm] | d1 [mm] | Code | d2 [mm] | H [mm] | H1 [mm] | L [mm] | z [mm] |
|-----------|---------|-------------|---------|--------|---------|--------|--------|
| 250 | 32 | 193 155 134 | 21 | 293 | 191 | 165 | 127 |
| 280 | 32 | 193 155 144 | 21 | 293 | 191 | 165 | 127 |
| 280 | 40 | 193 155 145 | 30 | 366 | 206 | 165 | 160 |
| 280 | 50 | 193 155 146 | 30 | 366 | 206 | 165 | 160 |
| 280 | 63 | 193 155 147 | 30 | 366 | 206 | 165 | 160 |
| 315 - 400 | 32 | 193 155 154 | 21 | 293 | 191 | 165 | 127 |
| 315 - 400 | 40 | 193 155 155 | 30 | 366 | 206 | 165 | 160 |
| 315 - 400 | 50 | 193 155 156 | 30 | 366 | 206 | 165 | 160 |
| 315 - 400 | 63 | 193 155 157 | 30 | 366 | 206 | 165 | 160 |

PF 2 51 313 004

53 131 200



L = length / Länge

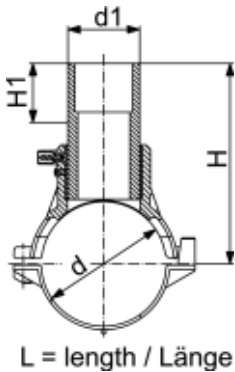
Spigot Saddle with Cutter

- 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. 799.350.475; angle adaptor (799.350.340) for fusion cable required

| d [mm] | d1 [mm] | Code | GP | kg | d2 [mm] | H [mm] | H1 [mm] | L [mm] | SW [mm] |
|-------------|------------|--------------------|----|-------|------------|-----------|------------|-----------|------------|
| 63 | 32 | 193 131 234 | 5 | 0.538 | 19 | 145 | 50 | 165 | 13 |
| 63 | 63 | 193 131 237 | 5 | 1.036 | 32 | 152 | 50 | 165 | 17 |
| 75 | 32 | 193 131 244 | 5 | 0.668 | 19 | 151 | 50 | 165 | 13 |
| 75 | 63 | 193 131 247 | 5 | 1.166 | 32 | 158 | 50 | 165 | 17 |
| 90 | 32 | 193 131 254 | 5 | 0.628 | 19 | 158 | 50 | 165 | 13 |
| 90 | 63 | 193 131 257 | 5 | 1.126 | 32 | 165 | 50 | 165 | 17 |
| 110 | 32 | 193 131 264 | 3 | 0.696 | 19 | 168 | 50 | 165 | 13 |
| 110 | 63 | 193 131 267 | 5 | 1.194 | 32 | 175 | 50 | 165 | 17 |
| 125 | 32 | 193 131 274 | 5 | 0.726 | 19 | 176 | 50 | 165 | 13 |
| 125 | 63 | 193 131 277 | 5 | 1.224 | 32 | 183 | 50 | 165 | 17 |
| 140 | 32 | 193 131 284 | 5 | 0.726 | 19 | 183 | 50 | 165 | 13 |
| 140 | 63 | 193 131 287 | 3 | 1.224 | 32 | 190 | 50 | 165 | 17 |
| 160 | 32 | 193 131 294 | 5 | 0.729 | 19 | 193 | 50 | 165 | 13 |
| 160 | 63 | 193 131 297 | 5 | 1.227 | 32 | 200 | 50 | 165 | 17 |
| 180 | 32 | 193 131 304 | 5 | 0.835 | 19 | 203 | 50 | 165 | 13 |
| 180 | 63 | 193 131 307 | 5 | 1.333 | 32 | 210 | 50 | 165 | 17 |
| 200 | 32 | 193 131 314 | 1 | 0.854 | 19 | 213 | 50 | 165 | 13 |
| 200 | 63 | 193 131 317 | 1 | 1.352 | 32 | 220 | 50 | 165 | 17 |
| 225 | 32 | 193 131 324 | 5 | 0.856 | 19 | 226 | 50 | 165 | 13 |
| 225 | 63 | 193 131 327 | 5 | 1.354 | 32 | 233 | 50 | 165 | 17 |
| 250 | 32 | 193 131 334 | 5 | 0.868 | 19 | 238 | 50 | 165 | 13 |
| 250 | 63 | 193 131 337 | 5 | 1.366 | 32 | 245 | 50 | 165 | 17 |
| * 280 | 63 | 193 131 347 | 5 | 0.830 | 35 | 245 | 50 | 165 | 17 |
| * 315 - 400 | 63 | 193 131 357 | 5 | 0.830 | 35 | 245 | 50 | 165 | 17 |

PF 2 51 313 001

53 130 200



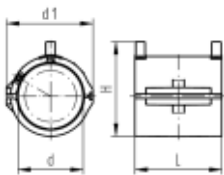
Spigot Saddle

- 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. 799.350.475; angle adaptor (799.350.340) for fusion cable required

| d [mm] | d1 [mm] | Code | GP | kg | H [mm] | H1 [mm] | L [mm] |
|-------------|---------|--------------------|----|-------|--------|---------|--------|
| 63 | 32 | 193 130 234 | 5 | 0.500 | 145 | 50 | 165 |
| 63 | 63 | 193 130 237 | 5 | 0.630 | 152 | 50 | 165 |
| 75 | 32 | 193 130 244 | 5 | 0.634 | 151 | 50 | 165 |
| 75 | 63 | 193 130 247 | 5 | 0.536 | 158 | 50 | 165 |
| 90 | 32 | 193 130 254 | 5 | 0.590 | 158 | 50 | 165 |
| 90 | 63 | 193 130 257 | 5 | 0.495 | 165 | 50 | 165 |
| 110 | 32 | 193 130 264 | 3 | 0.662 | 168 | 50 | 165 |
| 110 | 63 | 193 130 267 | 5 | 0.564 | 175 | 50 | 165 |
| 125 | 32 | 193 130 274 | 5 | 0.692 | 176 | 50 | 165 |
| 125 | 63 | 193 130 277 | 5 | 0.592 | 183 | 50 | 165 |
| 140 | 32 | 193 130 284 | 5 | 0.692 | 183 | 50 | 165 |
| 140 | 63 | 193 130 287 | 3 | 0.594 | 190 | 50 | 165 |
| 160 | 32 | 193 130 294 | 5 | 0.693 | 193 | 50 | 165 |
| 160 | 63 | 193 130 297 | 5 | 0.597 | 200 | 50 | 165 |
| 180 | 32 | 193 130 304 | 5 | 0.800 | 203 | 50 | 165 |
| 180 | 63 | 193 130 307 | 5 | 0.700 | 210 | 50 | 165 |
| 200 | 32 | 193 130 314 | 5 | 0.820 | 213 | 50 | 165 |
| 200 | 63 | 193 130 317 | 5 | 0.722 | 220 | 50 | 165 |
| 225 | 32 | 193 130 324 | 5 | 0.820 | 226 | 50 | 165 |
| 225 | 63 | 193 130 327 | 5 | 0.724 | 233 | 50 | 165 |
| 250 | 32 | 193 130 334 | 5 | 0.834 | 238 | 50 | 165 |
| 250 | 63 | 193 130 337 | 5 | 0.736 | 245 | 50 | 165 |
| * 280 | 63 | 193 130 347 | 5 | 0.400 | 245 | 50 | 165 |
| * 315 - 400 | 63 | 193 130 357 | 5 | 0.400 | 245 | 50 | 165 |

PF 2 51 313 001

53 127 000



Reinforcing Saddle

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Fusion voltage 24 Volt
- 4 mm pin connectors
- For use as a repair saddle with PE repair plug (Code 799.199.088 and 799.199.089) and as reinforcing saddle with an fusion area which extends the whole circumference of the pipe
- Use Spring clamp (Code 799.150.090) for installation

| d [mm] | Code | GP | kg | d1 [mm] | L [mm] | H [mm] |
|--------|--------------------|----|-------|---------|--------|--------|
| 40 | 193 127 017 | 14 | 0.140 | 104 | 105 | 108 |
| 50 | 193 127 027 | 10 | 0.200 | 80 | 105 | 85 |
| 63 | 193 127 037 | 8 | 0.279 | 132 | 120 | 153 |
| 75 | 193 127 047 | 8 | 0.430 | 162 | 130 | 122 |
| 90 | 193 127 057 | 12 | 0.558 | 104 | 130 | 147 |
| 110 | 193 127 067 | 12 | 0.562 | 120 | 120 | 191 |
| 125 | 193 127 077 | 4 | 0.710 | 158 | 130 | 184 |
| 160 | 193 127 097 | 6 | 0.961 | 192 | 130 | 218 |
| 180 | 193 127 107 | 4 | 1.095 | 214 | 130 | 239 |
| 200 | 193 127 117 | 4 | 1.250 | 236 | 130 | 260 |
| 225 | 193 127 127 | 3 | 1.413 | 262 | 140 | 286 |

PF 2 51 303 020

60 050 600



Extension Spindle for tapping valves and service valves rigid

- PE-casing with anti-sand cap
- PE-sleeve, suitable for tapping valve and service valve (insert needed)
- Square bar steel, hot-dip galvanized
- Clip-pin from stainless steel 1.4301
- Bush CI40 with slot and clip-pin (tool-free connection)

| Pipe cover [m] | Code | kg | L [mm] | |
|----------------|--------------------|-------|--------|--|
| 0.75 | 160 050 620 | 1.200 | 490 | |
| 1.00 | 160 050 621 | 1.592 | 740 | |
| 1.25 | 160 050 622 | 2.031 | 990 | |
| 1.50 | 160 050 623 | 2.448 | 1180 | |

PF 2 51 313 017

60 050 500

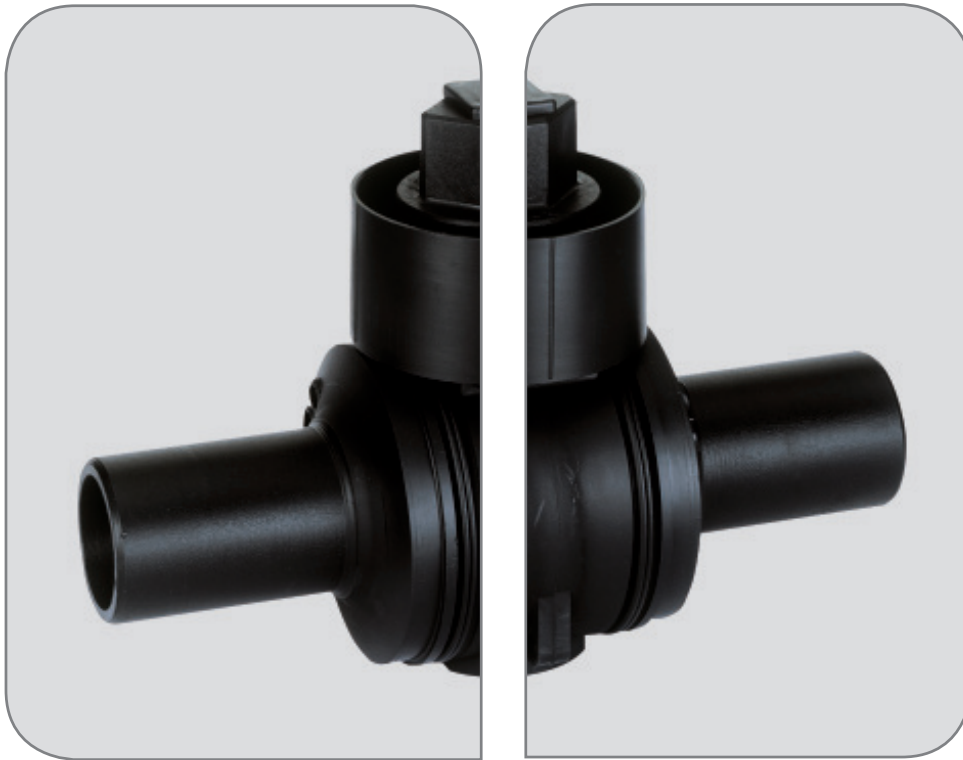


Extension Spindle for tapping valve and service valve telescopic

- Continuously adjustable and self-supporting
- Pullout- and dirt-safe
- Rod hot-dip galvanized
- PE-casing, PE-centering cap with gasket
- Clip-pin from stainless steel 1.4301
- Bush CI40 with slot and clip-pin (tool-free connection)
- PE-sleeve, suitable for tapping valve and service valve (insert needed)

| Pipe cover [m] | Code | kg | L [mm] | L1 [mm] | |
|----------------|--------------------|-------|--------|---------|--|
| 0.75-1.05 | 160 050 520 | 2.031 | 450 | 700 | |
| 1.00-1.50 | 160 050 521 | 2.500 | 760 | 1300 | |
| 1.30-1.90 | 160 050 522 | 2.700 | 930 | 1550 | |
| 1.70-2.70 | 160 050 523 | 2.000 | 1300 | 2350 | |

PF 2 51 313 017



Stop-off Valves PE 100

Valves

Accessories/Spindles

Stop-off Valves PE 100

93 103 025

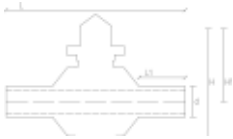


Polyvalve Stop-Off Valve

- PE 100 SDR 11 (ISO S5) - d20 up to d225
- 10 bar Gas / 16 bar Water
- Spherical valve d20 up to d40
- Ball valve d50 up to d225
- d160 up to d225 are supplied with base plate and straps
- d1 = diameter of bore

| d [mm] | Code | kg | L [mm] | L1 [mm] | H [mm] | H1 [mm] | d1 [mm] |
|--------|-------------|--------|--------|---------|--------|---------|---------|
| 20 | 193 103 031 | 0.750 | 261 | 71 | 186 | 136 | 23 |
| 25 | 193 103 032 | 0.750 | 261 | 71 | 186 | 136 | 23 |
| 32 | 193 103 033 | 0.750 | 261 | 73 | 186 | 136 | 23 |
| 40 | 193 103 034 | 0.750 | 261 | 73 | 186 | 136 | 23 |
| 50 | 193 103 035 | 1.500 | 325 | 91 | 231 | 164 | 47 |
| 63 | 193 103 036 | 1.700 | 325 | 91 | 231 | 164 | 47 |
| 75 | 193 103 037 | 1.900 | 325 | 91 | 231 | 164 | 47 |
| 90 | 193 103 038 | 2.000 | 325 | 91 | 231 | 164 | 47 |
| 110 | 193 103 039 | 4.000 | 405 | 112 | 290 | 205 | 62 |
| 125 | 193 103 040 | 4.300 | 405 | 112 | 290 | 205 | 62 |
| 160 | 193 103 042 | 9.600 | 508 | 160 | 363 | 263 | 92 |
| 180 | 193 103 043 | 10.000 | 540 | 123 | 364 | 247 | 92 |
| 200 | 193 103 044 | 10.800 | 540 | 123 | 364 | 247 | 92 |
| 225 | 193 103 045 | 24.400 | 508 | 127 | 472 | 320 | 120 |

PF 2 51 308 005



Polyvalve Stop-Off Valve "Full Bore"

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Ball valve
- d1 = diameter of bore
- Free cross section according to SDR 11

| d [mm] | Code | kg | L [mm] | L1 [mm] | H [mm] | H1 [mm] | d1 [mm] |
|--------|-------------|--------|--------|---------|--------|---------|---------|
| 63 | 193 103 036 | 1.700 | 325 | 91 | 231 | 164 | 47 |
| 90 | 193 104 038 | 3.600 | 430 | 90 | 280 | 190 | 62 |
| 110 | 193 104 039 | 7.800 | 561 | 100 | 359 | 242 | 92 |
| 160 | 193 104 042 | 17.000 | 645 | 145 | 475 | 325 | 120 |

PF 2 51 308 005

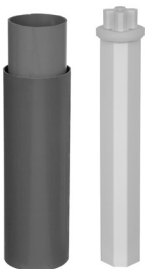


Polyvalve operational key

- Made out of PVC
- Suitable for all dimensions

| Length [mm] | Code | kg |
|-------------|-------------|-------|
| 200 | 173 103 082 | 1.000 |
| 500 | 173 103 083 | 0.692 |
| 1300 | 173 103 084 | 1.670 |

PF 2 51 308 003

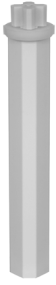


Polyvalve Accessory kit

- Extension spindle made out of PVC with protection pipe (500-900 mm) and cap
- 100% plastic solution for a non-corrosive system

| Article | Code | kg |
|---------|-------------|-------|
| Kit | 173 103 056 | 1.892 |

PF 2 51 308 003



Extension spindle

- Extension spindle made out of PVC with protection pipe (500-900 mm) and cap
- 100% plastic solution for a non-corrosive system

| Length [mm] | Code | kg | |
|----------------|--------------------|-------|--|
| 500 | 173 103 080 | 0.621 | |

PF 2 51 308 003

Base plate with straps

| Code | kg | |
|--------------------|-------|--|
| 173 103 081 | 0.945 | |

PF 2 51 308 003



Extension spindle for Polyvalve Stop-Off Valve telescopic

- Continuously adjustable and self-supporting
- Pullout- and dirt-safe
- Rod hot-dip galvanized
- PE-casing, PE-centering cap with gasket
- Polygon-bush from galvanized steel
- Clip-pin from stainless steel 1.4301
- PE-sleeve, fitted for all dimensions
- Torque max. 140 Nm

| d-d [mm] | Pipe cover [m] | Code | kg | |
|-------------|-------------------|--------------------|-------|--|
| 20 - 225 | 0.75-1.10 | 173 103 075 | 1.700 | |
| 20 - 225 | 1.10-1.80 | 173 103 076 | 2.900 | |
| 20 - 225 | 1.65-2.75 | 173 103 077 | 6.680 | |

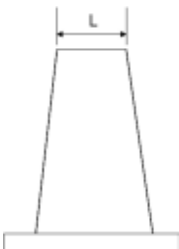
PF 2 51 308 003

Stem square cap

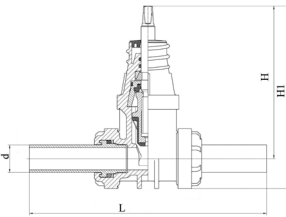
- For operation with operating key "C" in accordance with DIN 3223-C
- conical inner square
- Galvanized



| L [mm] | Code | kg | |
|-----------|--------------------|-------|--|
| 28 | 173 103 105 | 1.500 | |



PF 2 51 308 003

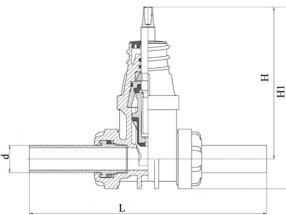


PF 2 51 786 099

POM Service Valve with PE Spigot ends

- PE 100 SDR 11 (ISO S5) Spigot ends
- 16 bar Water
- Gate valve is closed clockwise
- Spanner opening is 14 mm
- Resilient-seated Gate Valve
- Number of turns to fully open or close gate valve is 8 (d 32mm) and 11 (d 63mm)

| d [mm] | Code | GP | kg | Bore d [mm] | L [mm] | H [mm] | H1 [mm] |
|--------|--------------------|----|-------|-------------|--------|--------|---------|
| 32 | 193 301 008 | 8 | 1.050 | 25 | 277 | 177 | 216 |
| 63 | 193 301 011 | 4 | 2.050 | 40 | 206 | 206 | 261 |

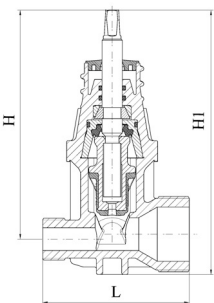


PF 2 51 786 099

POM Service Valve with PE Spigot ends (Kit)

- PE 100 SDR 11 (ISO S5) Spigot ends
- 16 bar Water
- Gate valve is closed clockwise
- Spanner opening is 14 mm
- Resilient-seated Gate Valve
- Number of turns to fully open or close gate valve is 8 (d 32mm) and 11 (d 63mm)
- Kit consists of 1x Service Valve (d32 or d63 mm) and 2x Service Line Fitting (ELGEF® Plus Coupler or Reducer)

| d [mm] | d2 [mm] | Code | GP | kg | Bore d [mm] |
|--------|---------|--------------------|----|-------|-------------|
| 32 | 20 | 193 301 016 | 4 | 1.192 | 25 |
| 32 | 25 | 193 301 017 | 4 | 1.170 | 25 |
| 32 | 32 | 193 301 018 | 4 | 1.170 | 25 |
| 63 | 40 | 193 301 019 | 2 | 2.402 | 40 |
| 63 | 50 | 193 301 020 | 2 | 2.410 | 40 |
| 63 | 63 | 193 301 021 | 2 | 2.438 | 40 |



PF 2 51 786 099

POM Service Valve with male threads on both ends

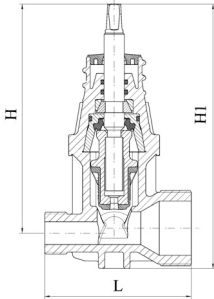
- 16 bar Water
- Male Threads according to ISO 7-1
- Gate valve is closed clockwise
- Spanner opening is 14 mm
- Resilient-seated Gate Valve
- Number of turns to fully open or close gate valve is 8

| R [inch] | Code | GP | kg | Bore d [mm] | L [mm] | H [mm] | H1 [mm] |
|----------|--------------------|----|-------|-------------|--------|--------|---------|
| 1 - 1 | 193 301 028 | 12 | 0.800 | 25 | 110 | 182 | 201 |
| 1 - 2 | 193 301 031 | 12 | 0.850 | 25 | 116 | 182 | 210 |



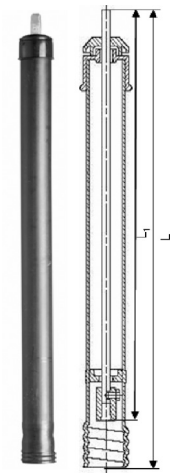
POM Service Valve with male threads on both ends (Kit)

- 16 bar Water
- Male Threads according to ISO 7-1
- Gate valve is closed clockwise
- Spanner opening is 14 mm
- Resilient-seated Gate Valve
- Number of turns to fully open or close gate valve is 8
- Kit consists of 1x Service Valve DN 1" Male Thread R1"-R1" (Code 193 301 028) and 2x Poly16 Plus compression fittings with female thread Rp 1"



PF 2 51 786 099

| R [inch] | d [mm] | Code | GP | kg | Bore d [mm] |
|----------|--------|--------------------|----|-------|-------------|
| 1 | 25 | 193 301 037 | 6 | 0.966 | 25 |
| 1 | 32 | 193 301 038 | 6 | 1.034 | 25 |
| 1 | 40 | 193 301 039 | 6 | 1.224 | 25 |
| 1 | 50 | 193 301 040 | 6 | 1.364 | 25 |

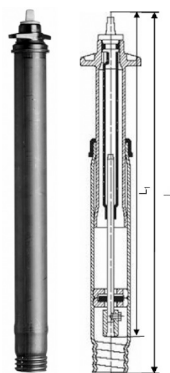


PF 2 51 786 002

Extension Spindle for POM Service Valve rigid

- Tight connection with the service valve through threaded end
- No additional split-pin needed
- PE outer protecting tube

| Pipe cover [m] | Code | GP | kg | L [mm] | L1 [mm] |
|----------------|--------------------|----|-------|--------|---------|
| 1.00 | 193 301 100 | - | 1.700 | 790 | 710 |
| 1.25 | 193 301 101 | - | 2.200 | 1040 | 960 |
| 1.50 | 193 301 102 | - | 2.700 | 1290 | 1210 |
| 2.00 | 193 301 105 | - | 3.700 | 1790 | 1710 |



PF 2 51 786 002

Extension Spindle for POM Service Valve telescopic

- Tight connection with the service valve through threaded end
- No additional split-pin needed
- PE inner/outer protecting tube
- Adjustable height to suit different ground levels

| Pipe cover [m] | Code | GP | kg | L [mm] | L1 [mm] |
|----------------|--------------------|----|-------|-------------|-------------|
| 0,8-1,2 | 193 301 103 | 1 | 2.400 | 670 - 1040 | 590 - 960 |
| 1,3-1,8 | 193 301 104 | - | 3.500 | 960 - 1580 | 880 - 1500 |
| 1,8-2,3 | 193 301 106 | 1 | 4.910 | 1380 - 2080 | 1300 - 2000 |



PF 2 51 786 099

PE-Sleeve insert

- Plug insert to adapt extension spindle for ELGEF Plus Tapping valves to POM Service Valves

| Code | GP | kg |
|--------------------|----|-------|
| 193 301 110 | - | 0.200 |



**Polyethylene
Piping Systems PE 100**



**Spigot Fittings for electrofusion
and butt fusion (long ends)**

**Spigot Fittings for
butt fusion (short ends)**

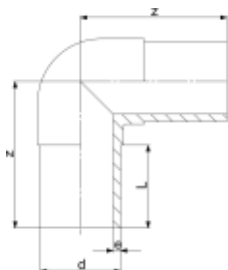
Flanges, seals

Spigot Fittings in PE 100

53 10 10

Elbow 90°, PE100 SDR 11

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



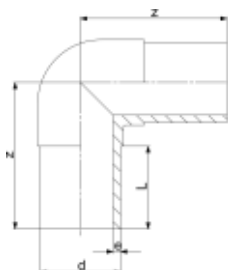
PF 2 51 301 001

| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|-------------|-----|--------|--------|--------|--------|
| 20 | 753 101 006 | 40 | 0.027 | 75 | 52 | 3.0 |
| 25 | 753 101 007 | 40 | 0.037 | 80 | 52 | 3.0 |
| 32 | 753 101 008 | 100 | 0.060 | 85 | 54 | 3.0 |
| 40 | 753 101 009 | 50 | 0.093 | 95 | 57 | 3.7 |
| 50 | 753 101 010 | 30 | 0.159 | 105 | 63 | 4.6 |
| 63 | 753 101 011 | 40 | 0.275 | 115 | 65 | 5.8 |
| 75 | 753 101 012 | 12 | 0.413 | 130 | 72 | 6.8 |
| 90 | 753 101 013 | 18 | 0.704 | 150 | 81 | 8.2 |
| 110 | 753 101 014 | 8 | 1.145 | 165 | 86 | 10.0 |
| 125 | 753 101 015 | 6 | 1.609 | 180 | 93 | 11.4 |
| 140 | 753 101 016 | 5 | 1.920 | 194 | 92 | 12.7 |
| 160 | 753 101 017 | 5 | 3.100 | 210 | 103 | 14.6 |
| 180 | 753 101 018 | 3 | 4.319 | 232 | 107 | 16.4 |
| 200 | 753 101 019 | 3 | 5.733 | 253 | 117 | 18.2 |
| 225 | 753 101 020 | 1 | 7.780 | 270 | 122 | 20.5 |
| 250 | 753 101 001 | 3 | 11.091 | 292 | 130 | 22.7 |
| 280 | 753 100 922 | 2 | 15.286 | 320 | 140 | 25.4 |
| 315 | 753 100 923 | - | 21.960 | 370 | 150 | 28.6 |

53 10 08

Elbow 90°, PE100 SDR17/17,6

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



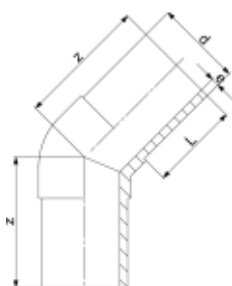
PF 2 51 301 001

| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|-------------|----|--------|--------|--------|--------|
| 90 | 753 100 813 | 18 | 0.544 | 150 | 81 | 5,4 |
| 110 | 753 100 814 | 8 | 0.625 | 165 | 86 | 6,6 |
| 125 | 753 100 815 | 6 | 0.927 | 180 | 93 | 7,4 |
| 140 | 753 100 816 | 5 | 1.430 | 194 | 92 | 8,3 |
| 160 | 753 100 817 | 5 | 3.040 | 210 | 102 | 9,5 |
| 180 | 753 100 818 | 3 | 3.750 | 232 | 107 | 10,7 |
| 200 | 753 100 819 | 3 | 4.980 | 253 | 115 | 11,9 |
| 225 | 753 100 820 | 1 | 6.850 | 270 | 120 | 13,4 |
| 250 | 753 100 821 | 3 | 8.274 | 292 | 130 | 14,8 |
| 280 | 753 100 822 | 2 | 11.423 | 320 | 140 | 16,6 |
| 315 | 753 100 823 | 1 | 16.050 | 370 | 150 | 18,7 |

53 15 10

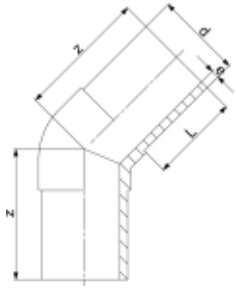
Elbow 45°, PE100 SDR11

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



| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|-------------|----|-------|--------|--------|--------|
| 20 | 753 151 006 | 40 | 0.026 | 70 | 52 | 3,0 |
| 25 | 753 151 007 | 30 | 0.035 | 75 | 52 | 3,0 |
| 32 | 753 151 008 | 25 | 0.051 | 80 | 54 | 3,0 |
| 40 | 753 151 009 | 30 | 0.082 | 85 | 57 | 3,7 |
| 50 | 753 151 010 | 70 | 0.137 | 90 | 63 | 4,6 |
| 63 | 753 151 011 | 50 | 0.300 | 95 | 65 | 5,8 |
| 75 | 753 151 012 | 12 | 0.346 | 105 | 72 | 6,8 |
| 90 | 753 151 013 | 20 | 0.470 | 120 | 81 | 8,2 |
| 110 | 753 151 014 | 12 | 0.931 | 130 | 86 | 10,0 |
| 125 | 753 151 015 | 6 | 1.286 | 140 | 92 | 11,4 |
| 140 | 753 151 016 | - | 1.600 | 164 | 120 | 12,7 |
| 160 | 753 151 017 | 6 | 2.461 | 162 | 102 | 14,6 |
| 180 | 753 151 018 | 5 | 3.283 | 170 | 107 | 16,4 |
| 200 | 753 151 019 | 3 | 4.371 | 186 | 116 | 18,2 |

table continued next page



PF 2 51 301 001

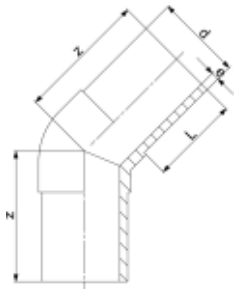
| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|--------------------|----|--------|--------|--------|--------|
| 225 | 753 151 020 | 2 | 6.013 | 200 | 123 | 20,5 |
| 250 | 753 151 021 | 3 | 8.541 | 220 | 130 | 22,7 |
| 280 | 753 150 922 | 2 | 10.924 | 230 | 140 | 25,4 |
| 315 | 753 150 923 | 2 | 14.818 | 250 | 150 | 28,6 |

53 15 08



Elbow 45°, PE100 SDR17/17,6

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



PF 2 51 301 001

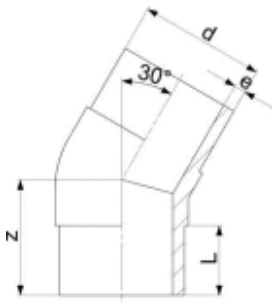
| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|--------------------|----|--------|--------|--------|--------|
| 90 | 753 150 813 | 20 | 0.470 | 120 | 81 | 5,4 |
| 110 | 753 150 814 | 12 | 0.900 | 130 | 86 | 6,6 |
| 125 | 753 150 815 | 6 | 1.250 | 140 | 92 | 7,4 |
| 140 | 753 150 816 | - | 1.100 | 164 | 120 | 8,3 |
| 160 | 753 150 817 | 6 | 2.390 | 162 | 102 | 9,5 |
| 180 | 753 150 818 | 5 | 3.060 | 170 | 107 | 10,7 |
| 200 | 753 150 819 | 3 | 4.100 | 186 | 116 | 11,9 |
| 225 | 753 150 820 | 2 | 5.610 | 205 | 123 | 13,4 |
| 250 | 753 150 821 | 3 | 6.227 | 220 | 130 | 14,8 |
| 280 | 753 150 822 | 2 | 7.819 | 230 | 140 | 16,6 |
| 315 | 753 150 823 | 2 | 10.596 | 250 | 150 | 18,7 |

53 12 09



Elbow 30°, PE100 SDR11

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



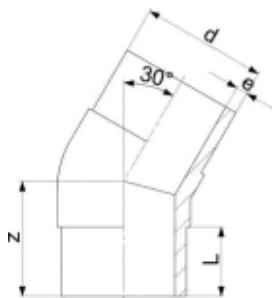
PF 2 51 301 005

| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|--------------------|----|--------|--------|--------|--------|
| 32 | 753 120 908 | 20 | 0.050 | 70 | 54 | 3,0 |
| 40 | 753 120 909 | 40 | 0.530 | 80 | 57 | 3,7 |
| 50 | 753 120 910 | 6 | 0.530 | 80 | 63 | 4,6 |
| 63 | 753 120 911 | 8 | 0.207 | 80 | 65 | 5,8 |
| 75 | 753 120 912 | 10 | 0.530 | 90 | 72 | 6,8 |
| 90 | 753 120 913 | - | 0.540 | 100 | 81 | 8,2 |
| 110 | 753 120 914 | 5 | 0.840 | 105 | 86 | 10,0 |
| 125 | 753 120 915 | 6 | 1.240 | 115 | 92 | 11,4 |
| 140 | 753 120 916 | 4 | 1.760 | 135 | 92 | 12,7 |
| 160 | 753 120 917 | 6 | 2.050 | 130 | 102 | 14,6 |
| 180 | 753 120 918 | 5 | 2.907 | 140 | 107 | 16,4 |
| 200 | 753 120 919 | 2 | 8.600 | 150 | 116 | 18,2 |
| 225 | 753 120 920 | 2 | 5.360 | 165 | 123 | 20,5 |
| 250 | 753 120 921 | 2 | 7.300 | 190 | 130 | 22,7 |
| 280 | 753 120 922 | 1 | 10.600 | 200 | 139 | 25,4 |
| 315 | 753 120 923 | 1 | 10.100 | 200 | 150 | 28,6 |

53 12 08

Elbow 30°, PE100 SDR17

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

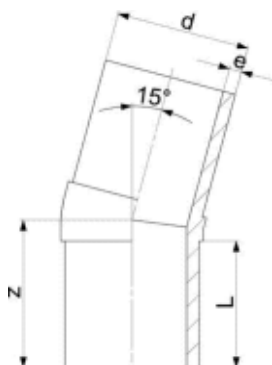


PF 2 51 301 005

| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|-----------|-------------|----|--------|-----------|-----------|-----------|
| 90 | 753 120 813 | 6 | 0.430 | 110 | 81 | 5,4 |
| 110 | 753 120 814 | 5 | 0.620 | 115 | 86 | 6,6 |
| 125 | 753 120 815 | 2 | 1.070 | 125 | 92 | 7,4 |
| 140 | 753 120 816 | 4 | 1.490 | 150 | 92 | 8,3 |
| 160 | 753 120 817 | 6 | 1.600 | 140 | 102 | 9,5 |
| 180 | 753 120 818 | 5 | 2.040 | 150 | 107 | 10,7 |
| 200 | 753 120 819 | 2 | 2.780 | 160 | 116 | 11,9 |
| 225 | 753 120 820 | 2 | 3.880 | 180 | 123 | 13,4 |
| 250 | 753 120 821 | 2 | 5.830 | 200 | 130 | 14,8 |
| 280 | 753 120 822 | - | 8.100 | 200 | 139 | 16,6 |
| 315 | 753 120 823 | 1 | 11.200 | 220 | 150 | 18,7 |

Elbow 15°, PE100 SDR11

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



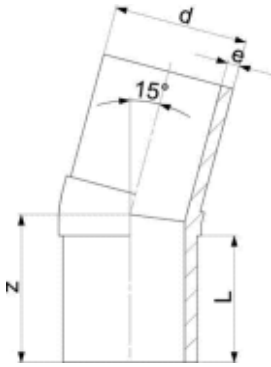
PF 2 51 301 005

| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|-----------|-------------|----|--------|-----------|-----------|-----------|
| 32 | 753 141 008 | 25 | 0.051 | 70 | 54 | 3.0 |
| 40 | 753 141 009 | 15 | 0.082 | 80 | 57 | 3.7 |
| 50 | 753 141 010 | 20 | 0.137 | 80 | 63 | 4.6 |
| 63 | 753 141 011 | 8 | 0.200 | 80 | 65 | 5.8 |
| 75 | 753 141 012 | 2 | 0.250 | 90 | 72 | 6.8 |
| 90 | 753 141 013 | 5 | 0.487 | 100 | 81 | 8.2 |
| 110 | 753 141 014 | 6 | 0.785 | 105 | 86 | 10.0 |
| 125 | 753 141 015 | 6 | 1.070 | 115 | 92 | 11.4 |
| 140 | 753 141 016 | 6 | 1.600 | 135 | 92 | 12.7 |
| 160 | 753 141 017 | 5 | 2.050 | 130 | 102 | 14.6 |
| 180 | 753 141 018 | 2 | 2.669 | 140 | 107 | 16.4 |
| 200 | 753 141 019 | 3 | 3.440 | 150 | 116 | 18.2 |
| 225 | 753 141 020 | 2 | 4.900 | 165 | 123 | 20.5 |
| 250 | 753 141 021 | 1 | 8.300 | 190 | 130 | 22.7 |
| 280 | 753 141 022 | 1 | 9.500 | 200 | 139 | 25.4 |
| 315 | 753 141 023 | 1 | 13.100 | 200 | 150 | 28.6 |



Elbow 15°, PE100 SDR17/17,6

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



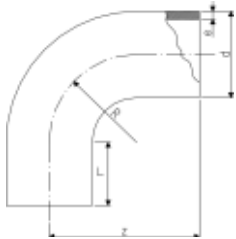
PF 2 51 301 005

| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] | |
|-----------|--------------------|----|--------|-----------|-----------|-----------|--|
| 90 | 753 140 813 | 4 | 0.370 | 100 | 81 | 5.4 | |
| 110 | 753 140 814 | 3 | 0.620 | 105 | 86 | 6.6 | |
| 125 | 753 140 815 | 2 | 0.990 | 115 | 92 | 7.4 | |
| 140 | 753 140 816 | 2 | 0.370 | 135 | 92 | 8.3 | |
| 160 | 753 140 817 | 5 | 1.600 | 130 | 102 | 9.5 | |
| 180 | 753 140 818 | 1 | 2.040 | 140 | 107 | 10.7 | |
| 200 | 753 140 819 | 2 | 2.780 | 150 | 116 | 11.9 | |
| 225 | 753 140 820 | 2 | 4.820 | 165 | 123 | 13.4 | |
| 250 | 753 140 821 | 2 | 5.830 | 190 | 130 | 14.8 | |
| 280 | 753 140 822 | 3 | 8.100 | 195 | 139 | 16.6 | |
| 315 | 753 140 823 | 1 | 11.200 | 200 | 150 | 18.7 | |

53 00 09

Bend 90°, PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- * made out of seamless pipe



PF 2 51 301 005

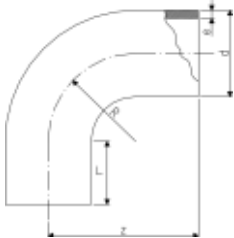
| d [mm] | Code | GP | kg | z [mm] | L [mm] | R [mm] | e [mm] | |
|-----------|--------------------|----|---------|-----------|-----------|-----------|-----------|--|
| 20 | 753 001 006 | 64 | 0.020 | 63 | 41 | 20 | 1,9 | |
| 25 | 753 001 007 | - | 0.030 | 68 | 41 | 25 | 2,3 | |
| 32 | 753 001 008 | 25 | 0.050 | 78 | 46 | 32 | 2,9 | |
| 40 | 753 001 009 | 15 | 0.090 | 91 | 49 | 40 | 3,7 | |
| 50 | 753 001 010 | - | 0.160 | 107 | 55 | 50 | 4,6 | |
| 63 | 753 001 011 | - | 0.290 | 130 | 63 | 63 | 5,8 | |
| 75 | 753 001 012 | 32 | 0.300 | 152 | 70 | 75 | 6,8 | |
| 90 | 753 001 013 | - | 0.530 | 168 | 79 | 90 | 8,2 | |
| 110 | 753 001 014 | 12 | 0.890 | 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 | 8 | 2.460 | 258 | 98 | 160 | 14,6 | |
| 180 | 753 001 018 | - | 5.000 | 290 | 105 | 180 | 16,4 | |
| 200 | 753 001 019 | - | 4.480 | 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 | - | 17.410 | 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

* made out of seamless pipe



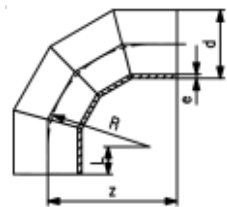
| d [mm] | Code | GP | kg | z [mm] | L [mm] | R [mm] | e [mm] |
|--------|-------------|----|---------|--------|--------|--------|--------|
| 90 | 753 000 813 | 1 | 0.600 | 168 | 79 | 90 | 5,4 |
| 110 | 753 000 814 | - | 1.000 | 193 | 82 | 110 | 6,6 |
| 125 | 753 000 815 | - | 1.300 | 216 | 87 | 125 | 7,4 |
| 140 | 753 000 816 | - | 2.500 | 232 | 92 | 140 | 8,3 |
| 160 | 753 000 817 | - | 2.500 | 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 | - | 8.500 | 350 | 120 | 225 | 13,4 |
| 250 | 753 000 821 | - | 8.500 | 375 | 130 | 250 | 14,8 |
| 280 | 753 000 822 | - | 15.000 | 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 | 1 | 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 |

PF 2 51 301 005

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



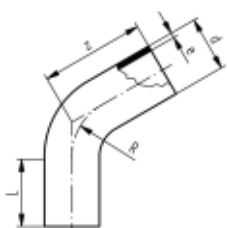
| d [mm] | Code | z [mm] | L [mm] | R [mm] | e [mm] |
|--------|-------------|--------|--------|--------|--------|
| 710 | 753 002 001 | 1415 | 350 | 1065 | 42.1 |
| 800 | 753 002 002 | 1550 | 350 | 1200 | 47.4 |
| 900 | 753 002 003 | 1700 | 350 | 1350 | 53.3 |
| 1000 | 753 002 004 | 1900 | 400 | 1500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

PF 2 51 301 005

53 07 10

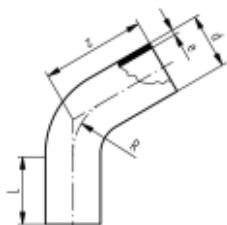
Bend 60°, PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe



| d [mm] | Code | GP | 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 | - | 4.500 | 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 |

table continued next page



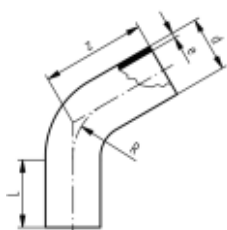
PF 2 51 301 009

| d [mm] | Code | GP | kg | z [mm] | L [mm] | R [mm] | e [mm] |
|-----------|--------------------|----|---------|-----------|-----------|-----------|-----------|
| 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



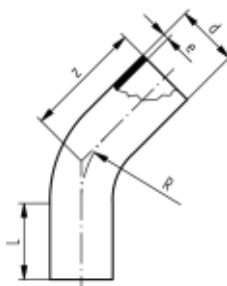
PF 2 51 301 009

| d [mm] | Code | GP | 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 05 10

Bend 45°, PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe



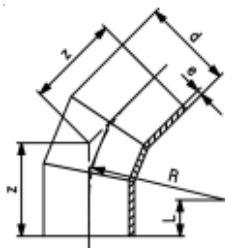
PF 2 51 301 009

| d [mm] | Code | GP | 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 | - | 2.300 | 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 | - | 5.600 | 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 | - | 15.000 | 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**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



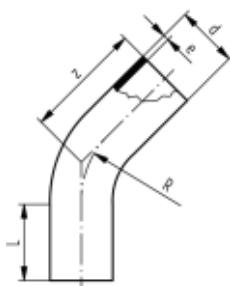
| d [mm] | Code | z [mm] | L [mm] | R [mm] | e [mm] |
|-----------|--------------------|-----------|-----------|-----------|-----------|
| 710 | 753 003 001 | 792 | 350 | 1065 | 42.1 |
| 800 | 753 003 002 | 847 | 350 | 1200 | 47.4 |
| 900 | 753 003 003 | 960 | 350 | 1350 | 53.3 |
| 1000 | 753 003 004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

PF 2 51 301 009

53 05 08

Bend 45°, PE100 SDR17/17,6

- Long spigot version
- 5 bar Gas / 10 bar Water
- made out of seamless pipe



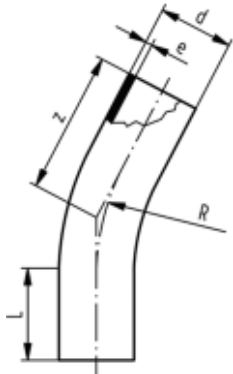
| d [mm] | Code | GP | kg | z [mm] | L [mm] | R [mm] | e [mm] |
|-----------|--------------------|----|--------|-----------|-----------|-----------|-----------|
| 90 | 753 050 813 | - | 0.600 | 177 | 100 | 135 | 5,4 |
| 110 | 753 050 814 | - | 1.100 | 243 | 150 | 165 | 6,6 |
| 125 | 753 050 815 | - | 1.200 | 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 | 4 | 3.700 | 299 | 150 | 300 | 11,9 |
| 225 | 753 050 820 | - | 5.000 | 315 | 150 | 338 | 13,4 |
| 250 | 753 050 821 | - | 10.000 | 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 | 1 | 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 |

PF 2 51 301 009

53 06 10

Bend 30°, PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe



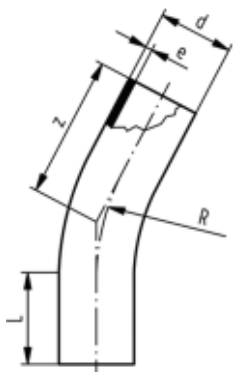
PF 2 51 301 009

| d [mm] | Code | GP | 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 | - | 1.500 | 219 | 150 | 165 | 10,0 |
| 125 | 753 061 015 | - | 2.000 | 225 | 150 | 188 | 11,4 |
| 140 | 753 061 016 | - | 2.200 | 231 | 150 | 210 | 12,7 |
| 160 | 753 061 017 | - | 3.300 | 239 | 150 | 240 | 14,6 |
| 180 | 753 061 018 | - | 3.700 | 247 | 150 | 270 | 16,4 |
| 200 | 753 061 019 | - | 4.750 | 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



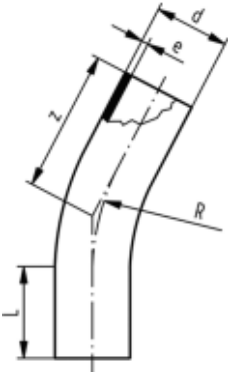
PF 2 51 301 009

| d [mm] | Code | GP | 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 | - | 1.900 | 239 | 150 | 240 | 9,5 |
| 180 | 753 060 818 | - | 2.500 | 247 | 150 | 270 | 10,7 |
| 200 | 753 060 819 | - | 3.200 | 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 | 1 | 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



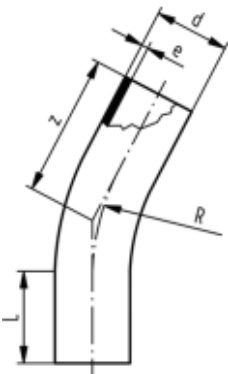
PF 2 51 301 009

| d [mm] | Code | GP | 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 | 5 | 6.300 | 266 | 150 | 338 | 20,5 |
| 250 | 753 081 021 | - | 13.100 | 385 | 250 | 375 | 22,7 |
| 280 | 753 081 022 | - | 16.300 | 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



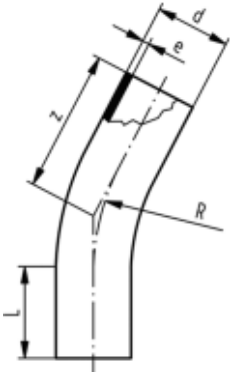
PF 2 51 301 009

| d [mm] | Code | GP | 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 | - | 2.500 | 247 | 150 | 270 | 10.7 |
| 200 | 753 080 819 | - | 3.200 | 255 | 150 | 300 | 11.9 |
| 225 | 753 080 820 | - | 7.540 | 266 | 150 | 338 | 13.4 |
| 250 | 753 080 821 | - | 11.600 | 385 | 250 | 375 | 14.8 |
| 280 | 753 080 822 | - | 12.800 | 400 | 250 | 420 | 16.6 |
| 315 | 753 080 823 | - | 25.000 | 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 |



Bend 11°, PE100 SDR11

- Long spigot version
- 10 bar Gas / 16 bar Water
- made out of seamless pipe



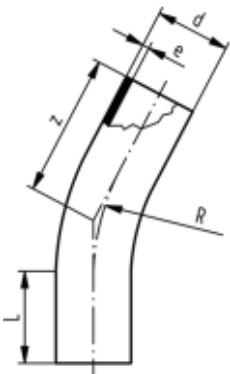
PF 2 51 301 009

| d [mm] | Code | GP | 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 | - | 6.300 | 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



PF 2 51 301 009

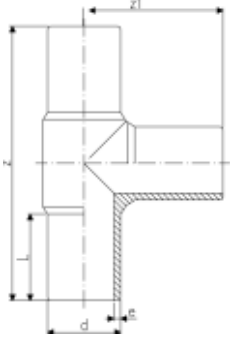
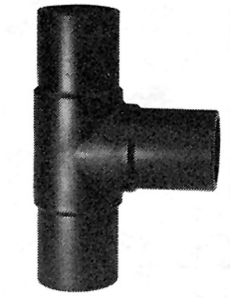
| d [mm] | Code | GP | kg | z [mm] | L [mm] | R [mm] | e [mm] |
|-----------|-------------|----|--------|-----------|-----------|-----------|-----------|
| 90 | 753 090 813 | - | 0.500 | 160 | 100 | 135 | 5.4 |
| 110 | 753 090 814 | - | 1.060 | 219 | 150 | 165 | 6.6 |
| 125 | 753 090 815 | - | 1.100 | 225 | 150 | 188 | 7.4 |
| 140 | 753 090 816 | - | 1.720 | 231 | 150 | 210 | 8.3 |
| 160 | 753 090 817 | - | 1.900 | 239 | 150 | 240 | 9.5 |
| 180 | 753 090 818 | - | 2.500 | 247 | 150 | 270 | 10.7 |
| 200 | 753 090 819 | - | 3.200 | 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 |

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 | GP | kg | z [mm] | z1 [mm] | L [mm] | e [mm] |
|-----------|-------------|----|---------|-----------|------------|-----------|-----------|
| 20 | 753 201 006 | 30 | 0.038 | 150 | 75 | 52 | 3,0 |
| 25 | 753 201 007 | 25 | 0.054 | 160 | 80 | 52 | 3,0 |
| 32 | 753 201 008 | 20 | 0.074 | 170 | 85 | 54 | 3,0 |
| 40 | 753 201 009 | 80 | 0.127 | 190 | 95 | 57 | 3,7 |
| 50 | 753 201 010 | 20 | 0.217 | 210 | 105 | 63 | 4,6 |
| 63 | 753 201 011 | 25 | 0.375 | 230 | 115 | 65 | 5,8 |
| 75 | 753 201 012 | 16 | 0.616 | 264 | 132 | 72 | 6,8 |
| 90 | 753 201 013 | 7 | 1.031 | 300 | 150 | 81 | 8,2 |
| 110 | 753 201 014 | 5 | 1.660 | 330 | 165 | 86 | 10,0 |
| 125 | 753 201 015 | 4 | 2.215 | 366 | 183 | 92 | 11,4 |
| 140 | 753 201 016 | 4 | 3.200 | 393 | 193 | 92 | 12,7 |
| 160 | 753 201 017 | 4 | 4.320 | 420 | 210 | 102 | 14,6 |
| 180 | 753 201 018 | 3 | 5.980 | 460 | 230 | 107 | 16,4 |
| 200 | 753 201 019 | 2 | 7.760 | 500 | 250 | 117 | 18,2 |
| 225 | 753 201 020 | 1 | 10.485 | 540 | 270 | 122 | 20,5 |
| 250 | 753 201 001 | 2 | 14.708 | 575 | 288 | 130 | 22,7 |
| 280 | 753 200 902 | - | 18.670 | 615 | 308 | 139 | 25,4 |
| 315 | 753 200 903 | - | 26.150 | 695 | 346 | 150 | 28,6 |
| 355 | 753 200 904 | - | 39.800 | 818 | 410 | 165 | 32,3 |
| 400 | 753 200 905 | - | 42.495 | 910 | 455 | 180 | 36,4 |
| 450 | 753 200 906 | - | 77.300 | 970 | 485 | 195 | 40,9 |
| 500 | 753 200 907 | - | 101.000 | 1060 | 530 | 215 | 45,5 |
| * 560 | 753 200 908 | - | 153.300 | 1510 | 755 | 230 | 50,9 |
| * 630 | 753 200 909 | - | 205.500 | 1630 | 815 | 250 | 57,3 |
| * 710 | 753 201 120 | 1 | 318.698 | 1720 | 860 | 450 | 64,5 |
| * 800 | 753 201 121 | 1 | 409.142 | 1780 | 890 | 450 | 72,6 |

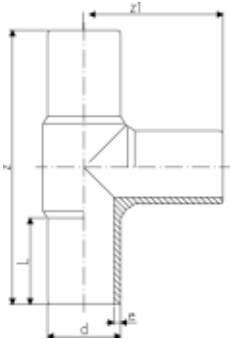
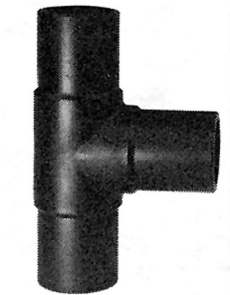
PF 2 51 301 001

53 20 08

Tee 90°, equal PE100 SDR17/17,6

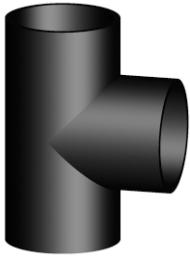
- Long spigot version
- 5 bar Gas / 10 bar Water

- * Segment welded and reinforced
- * With welded pipes
- * No pressure reduction factor



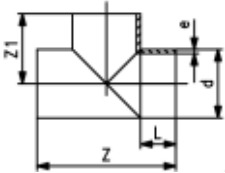
| d [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | e [mm] |
|-----------|-------------|----|---------|-----------|------------|-----------|-----------|
| 90 | 753 200 813 | 7 | 0.780 | 300 | 150 | 80 | 5,4 |
| 110 | 753 200 814 | 5 | 1.440 | 330 | 165 | 86 | 6,6 |
| 125 | 753 200 815 | 4 | 1.646 | 366 | 183 | 92 | 7,4 |
| 140 | 753 200 816 | 4 | 2.120 | 396 | 196 | 92 | 8,3 |
| 160 | 753 200 817 | 4 | 3.970 | 428 | 214 | 104 | 9,5 |
| 180 | 753 200 818 | 3 | 5.450 | 460 | 230 | 105 | 10,7 |
| 200 | 753 200 819 | 2 | 5.910 | 500 | 250 | 115 | 11,9 |
| 225 | 753 200 820 | 1 | 8.240 | 540 | 270 | 122 | 13,4 |
| 250 | 753 200 821 | 2 | 10.793 | 575 | 288 | 130 | 14,8 |
| 280 | 753 200 802 | 1 | 13.810 | 615 | 308 | 139 | 16,6 |
| 315 | 753 200 803 | - | 18.155 | 695 | 346 | 150 | 18,7 |
| 355 | 753 200 804 | - | 25.850 | 818 | 410 | 165 | 21,1 |
| 400 | 753 200 805 | - | 35.015 | 910 | 455 | 180 | 23,7 |
| 450 | 753 200 806 | - | 56.000 | 970 | 485 | 195 | 26,7 |
| 500 | 753 200 807 | - | 71.000 | 1060 | 530 | 215 | 29,7 |
| * 560 | 753 200 808 | - | 99.200 | 1510 | 755 | 230 | 33,2 |
| * 630 | 753 200 809 | - | 132.700 | 1630 | 815 | 250 | 37,4 |
| * 710 | 753 201 920 | 1 | 219.870 | 1720 | 860 | 450 | 42,1 |
| * 800 | 753 201 921 | 1 | 281.495 | 1780 | 890 | 450 | 47,4 |

PF 2 51 301 001

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

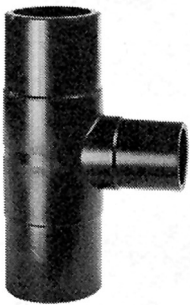
| d [mm] | Code | z [mm] | z1 [mm] | L [mm] | e [mm] |
|-----------|--------------------|-----------|------------|-----------|-----------|
| 710 | 753 202 810 | 1410 | 705 | 350 | 42.1 |
| 800 | 753 202 811 | 1500 | 750 | 350 | 47.4 |
| 900 | 753 202 812 | 1700 | 850 | 400 | 53.3 |
| 1000 | 753 202 813 | 2040 | 1020 | 520 | 59.3 |



PF 2 51 301 001

Tee 90°, reduced LS moulded

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



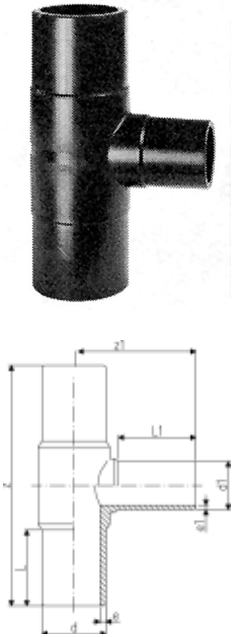
| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|--------------------|----|--------|-----------|------------|-----------|------------|-----------|------------|
| 63 | 50 | 753 201 044 | 10 | 0.300 | 215 | 103 | 63 | 56 | 5.8 | 4.6 |
| 75 | 32 | 753 201 045 | 10 | 0.490 | 256 | 108 | 70 | 46 | 6.8 | 2.9 |
| 75 | 50 | 753 201 046 | 10 | 0.530 | 253 | 113 | 70 | 56 | 6.8 | 4.6 |
| 75 | 63 | 753 201 047 | 10 | 0.560 | 255 | 117 | 70 | 63 | 6.8 | 5.8 |
| 90 | 50 | 753 201 027 | 1 | 0.820 | 280 | 117 | 79 | 55 | 8.2 | 4.6 |
| 90 | 63 | 753 201 029 | 1 | 0.775 | 280 | 123 | 79 | 63 | 8.2 | 5.8 |
| 90 | 75 | 753 201 030 | 3 | 0.793 | 272 | 138 | 73 | 68 | 8.2 | 6.8 |
| 110 | 63 | 753 201 028 | 1 | 1.267 | 320 | 147 | 87 | 63 | 10.0 | 5.8 |
| 110 | 75 | 753 201 031 | 2 | 1.244 | 309 | 151 | 82 | 70 | 10.0 | 6.8 |
| 110 | 90 | 753 201 032 | 1 | 1.275 | 320 | 158 | 86 | 79 | 10.0 | 8.2 |
| 125 | 90 | 753 201 048 | 3 | 2.389 | 340 | 170 | 112 | 92 | 11.4 | 8.2 |
| 125 | 110 | 753 201 033 | 3 | 1.860 | 341 | 170 | 90 | 83 | 11.4 | 10.0 |
| 160 | 63 | 753 201 034 | 1 | 2.680 | 343 | 176 | 98 | 65 | 14.6 | 5.8 |
| 160 | 75 | 753 201 035 | 3 | 2.726 | 343 | 180 | 98 | 74 | 14.6 | 6.8 |
| 160 | 90 | 753 201 036 | 1 | 2.775 | 412 | 188 | 101 | 79 | 14.6 | 8.2 |
| 160 | 110 | 753 201 037 | 1 | 3.300 | 412 | 195 | 101 | 82 | 14.6 | 10.0 |
| 180 | 90 | 753 201 049 | 1 | 4.100 | 420 | 200 | 136 | 97 | 16.4 | 8.2 |
| 180 | 110 | 753 201 050 | 1 | 4.379 | 430 | 206 | 130 | 101 | 16.4 | 10.0 |
| 180 | 160 | 753 201 038 | 1 | 4.379 | 411 | 205 | 105 | 94 | 16.4 | 14.6 |
| 200 | 63 | 753 201 073 | 1 | 7.300 | 500 | 190 | 122 | 63 | 18.2 | 5.8 |
| 200 | 90 | 753 201 074 | 1 | 9.730 | 500 | 207 | 122 | 79 | 18.2 | 8.2 |
| 200 | 110 | 753 201 075 | - | 9.730 | 500 | 215 | 122 | 82 | 18.2 | 10.0 |
| 200 | 160 | 753 201 076 | 1 | 9.730 | 500 | 234 | 122 | 98 | 18.2 | 14.6 |
| 225 | 75 | 753 201 039 | 1 | 6.500 | 555 | 215 | 120 | 70 | 20.5 | 6.8 |
| 225 | 90 | 753 201 040 | 3 | 6.633 | 558 | 226 | 120 | 80 | 20.5 | 8.2 |
| 225 | 110 | 753 201 041 | 3 | 6.600 | 558 | 235 | 120 | 82 | 20.5 | 10.0 |
| 225 | 160 | 753 201 042 | 3 | 8.095 | 560 | 253 | 120 | 98 | 20.5 | 14.6 |
| 225 | 180 | 753 201 043 | 1 | 9.375 | 560 | 280 | 120 | 105 | 20.5 | 16.4 |
| 250 | 110 | 753 201 078 | 1 | 9.730 | 575 | 242 | 130 | 82 | 22.7 | 10.0 |
| 250 | 160 | 753 201 079 | 1 | 9.730 | 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 | 1 | 16.600 | 695 | 296 | 150 | 102 | 28.6 | 14.6 |
| 315 | 225 | 753 201 053 | 1 | 20.500 | 650 | 335 | 170 | 145 | 28.6 | 20.5 |
| 315 | 250 | 753 201 054 | 1 | 22.000 | 695 | 325 | 150 | 130 | 28.6 | 22.7 |

PF 2 51 301 004

53 20 08

Tee 90°, reduced LS moulded

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



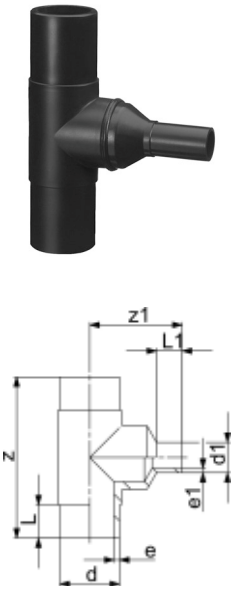
| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] | e1 [mm] |
|--------|---------|-------------|----|--------|--------|---------|--------|---------|--------|---------|---------|
| 90 | 50 | 753 201 827 | 1 | 0.630 | 275 | 117 | 79 | 55 | 5.4 | 3.0 | 3.0 |
| 90 | 63 | 753 200 829 | - | 0.560 | 275 | 123 | 79 | 63 | 5.4 | 3.8 | 3.8 |
| 90 | 75 | 753 200 830 | 6 | 0.593 | 272 | 139 | 74 | 71 | 5.4 | 4.5 | 4.5 |
| 110 | 63 | 753 200 828 | - | 0.900 | 318 | 147 | 82 | 63 | 6.6 | 3.8 | 3.8 |
| 110 | 75 | 753 200 831 | 2 | 0.882 | 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 | 1.282 | 334 | 168 | 84 | 83 | 7.4 | 6.6 | 6.6 |
| 160 | 63 | 753 200 834 | 8 | 1.950 | 330 | 130 | 86 | 63 | 9.5 | 3.8 | 3.8 |
| 160 | 75 | 753 200 835 | - | 1.960 | 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 | 8 | 2.414 | 410 | 195 | 98 | 82 | 9.5 | 6.6 | 6.6 |
| 180 | 90 | 753 200 844 | 1 | 3.218 | 422 | 204 | 134 | 97 | 10.7 | 5.4 | 5.4 |
| 180 | 160 | 753 200 838 | 1 | 5.890 | 411 | 205 | 105 | 94 | 10.7 | 9.5 | 9.5 |
| 200 | 63 | 753 201 873 | 1 | 6.800 | 500 | 190 | 122 | 63 | 11.9 | 3.8 | 3.8 |
| 200 | 90 | 753 201 874 | 1 | 6.900 | 500 | 207 | 122 | 79 | 11.9 | 5.4 | 5.4 |
| 200 | 110 | 753 201 875 | 1 | 7.200 | 500 | 215 | 122 | 82 | 11.9 | 6.6 | 6.6 |
| 200 | 160 | 753 201 876 | 1 | 7.400 | 500 | 234 | 122 | 98 | 11.9 | 9.5 | 9.5 |
| 225 | 75 | 753 200 839 | - | 4.600 | 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 | 1 | 9.400 | 575 | 242 | 130 | 82 | 14.8 | 6.6 | 6.6 |
| 250 | 160 | 753 201 879 | 1 | 9.800 | 575 | 261 | 130 | 98 | 14.8 | 9.5 | 9.5 |
| 315 | 110 | 753 200 851 | 1 | 10.800 | 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 | - | 14.500 | 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 |

PF 2 51 301 004

53 20 10

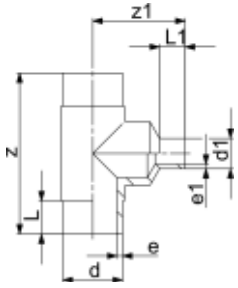
Tee 90°, reduced LS with welded reducer

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



| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|--------|---------|-------------|----|--------|--------|---------|--------|---------|--------|---------|
| 25 | 20 | 753 201 002 | 20 | 0.053 | 160 | | 52 | 52 | 3,0 | 3,0 |
| 32 | 20 | 753 201 003 | 1 | 0.094 | 170 | 105 | 54 | 52 | 3,0 | 3,0 |
| 32 | 25 | 753 201 004 | 1 | 0.098 | 170 | 110 | 54 | 52 | 3,0 | 3,0 |
| 40 | 20 | 753 201 005 | 30 | 0.155 | 190 | 120 | 57 | 52 | 3,7 | 3,0 |
| 40 | 25 | 753 201 069 | 30 | 0.160 | 190 | 120 | 57 | 52 | 3,7 | 3,0 |
| 40 | 32 | 753 201 070 | 6 | 0.160 | 190 | 120 | 57 | 52 | 3,7 | 3,0 |
| 50 | 20 | 753 201 072 | 20 | 0.252 | 210 | 140 | 63 | 52 | 4,6 | 3,0 |
| 50 | 25 | 753 201 077 | 10 | 0.260 | 210 | 130 | 63 | 52 | 4,6 | 3,0 |
| 50 | 32 | 753 201 080 | 20 | 0.267 | 210 | 130 | 63 | 53 | 4,6 | 3,0 |
| 50 | 40 | 753 201 081 | 4 | 0.276 | 210 | 130 | 63 | 57 | 4,6 | 3,7 |
| 63 | 32 | 753 201 082 | 6 | 0.460 | 230 | 140 | 65 | 53 | 5,8 | 3,0 |
| 63 | 40 | 753 201 116 | 12 | 0.480 | 230 | 145 | 65 | 57 | 5,8 | 3,7 |
| 75 | 40 | 753 201 084 | 4 | 0.755 | 264 | 180 | 72 | 57 | 6,8 | 3,7 |
| 125 | 63 | 753 201 085 | 8 | 2.850 | 366 | 225 | 92 | 61 | 11,4 | 5,8 |
| 125 | 75 | 753 201 086 | 8 | 2.880 | 366 | 235 | 92 | 72 | 11,4 | 6,8 |
| 140 | 75 | 753 201 087 | 4 | 4.050 | 396 | 230 | 92 | 70 | 12,7 | 6,8 |
| 140 | 90 | 753 201 089 | 4 | 4.095 | 396 | 235 | 92 | 79 | 12,7 | 8,2 |
| 140 | 110 | 753 201 090 | 4 | 3.600 | 396 | 240 | 92 | 82 | 12,7 | 10,0 |
| 140 | 125 | 753 201 091 | 2 | 4.170 | 396 | 240 | 92 | 90 | 12,7 | 11,4 |
| 160 | 125 | 753 201 092 | 4 | 5.715 | 420 | 265 | 102 | 92 | 14,6 | 11,4 |
| 160 | 140 | 753 201 093 | 4 | 5.895 | 420 | 270 | 102 | 96 | 14,6 | 12,7 |
| 180 | 125 | 753 201 094 | 2 | 8.930 | 460 | 285 | 107 | 92 | 16,4 | 11,4 |
| 180 | 140 | 753 201 095 | 1 | 9.070 | 460 | 295 | 107 | 110 | 16,4 | 12,7 |
| 200 | 125 | 753 201 096 | 1 | 10.460 | 500 | 295 | 117 | 92 | 18,2 | 11,4 |
| 200 | 140 | 753 201 097 | 1 | 10.570 | 500 | 310 | 117 | 110 | 18,2 | 12,7 |
| 200 | 180 | 753 201 098 | 1 | 9.500 | 500 | 310 | 117 | 110 | 18,2 | 16,4 |
| 225 | 125 | 753 201 099 | 1 | 14.470 | 540 | 320 | 122 | 92 | 20,5 | 11,4 |
| 225 | 140 | 753 201 100 | 1 | 14.574 | 540 | 335 | 122 | 110 | 20,5 | 12,7 |
| 225 | 200 | 753 201 101 | 1 | 14.925 | 540 | 340 | 122 | 117 | 20,5 | 18,2 |
| 250 | 180 | 753 201 102 | 1 | 18.890 | 576 | 350 | 130 | 105 | 22,7 | 16,4 |
| 250 | 200 | 753 201 103 | 1 | 19.220 | 576 | 360 | 130 | 112 | 22,7 | 18,2 |
| 250 | 225 | 753 201 104 | 1 | 19.690 | 576 | 390 | 130 | 120 | 22,7 | 20,5 |
| 280 | 200 | 753 201 105 | 1 | 24.520 | 616 | 410 | 139 | 112 | 25,4 | 18,2 |

table continued next page

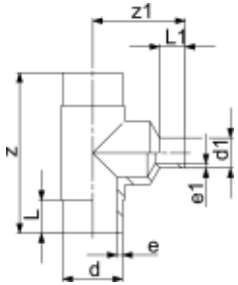


PF 2 51 301 004

| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|--------------------|----|--------|-----------|------------|-----------|------------|-----------|------------|
| 280 | 225 | 753 201 106 | 1 | 24.755 | 616 | 420 | 139 | 120 | 25,4 | 20,5 |
| 280 | 250 | 753 201 107 | 1 | 25.210 | 616 | 420 | 139 | 130 | 25,4 | 22,7 |
| 315 | 200 | 753 201 108 | 1 | 33.950 | 690 | 470 | 150 | 134 | 28,6 | 18,2 |
| 315 | 280 | 753 201 109 | 1 | 34.950 | 690 | 480 | 150 | 139 | 28,6 | 25,4 |
| 355 | 250 | 753 201 110 | 1 | 48.900 | 818 | 530 | 165 | 130 | 32,3 | 22,7 |
| 355 | 280 | 753 201 111 | 1 | 49.300 | 818 | 480 | 165 | 139 | 32,3 | 25,4 |
| 355 | 315 | 753 201 112 | 1 | 49.690 | 818 | 480 | 165 | 150 | 32,3 | 28,6 |
| 400 | 280 | 753 201 113 | 1 | 52.915 | 910 | 530 | 180 | 139 | 36,4 | 25,4 |
| 400 | 315 | 753 201 114 | 1 | 53.625 | 910 | 580 | 180 | 150 | 36,4 | 28,6 |
| 400 | 355 | 753 201 115 | 1 | 54.075 | 910 | 675 | 180 | 165 | 36,4 | 32,3 |

Tee 90°, reduced LS with welded reducer

- 5 bar Gas / 10 bar Water



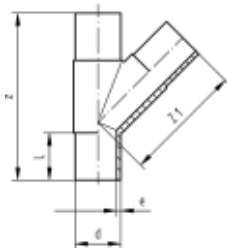
PF 2 51 301 004

| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|--------------------|----|--------|-----------|------------|-----------|------------|-----------|------------|
| 125 | 63 | 753 200 801 | 4 | 2.115 | 366 | 215 | 92 | 61 | 7.4 | 3.8 |
| 125 | 75 | 753 200 810 | 6 | 2.140 | 366 | 235 | 92 | 72 | 7.4 | 4.5 |
| 125 | 90 | 753 200 811 | 8 | 2.180 | 366 | 235 | 92 | 80 | 7.4 | 5.4 |
| 140 | 75 | 753 200 812 | 4 | 2.820 | 396 | 240 | 92 | 70 | 8.3 | 4.5 |
| 140 | 90 | 753 200 822 | 5 | 2.855 | 396 | 240 | 92 | 78 | 8.3 | 5.4 |
| 140 | 110 | 753 200 823 | 4 | 2.910 | 396 | 235 | 92 | 82 | 8.3 | 6.6 |
| 140 | 125 | 753 200 824 | 4 | 2.955 | 396 | 240 | 92 | 87 | 8.3 | 7.4 |
| 160 | 125 | 753 200 825 | 4 | 3.970 | 428 | 265 | 104 | 90 | 9.5 | 5.4 |
| 160 | 140 | 753 200 826 | 4 | 4.070 | 428 | 280 | 104 | 96 | 9.5 | 8.3 |
| 180 | 110 | 753 200 827 | 2 | 5.250 | 460 | 285 | 105 | 92 | 10.7 | 6.6 |
| 180 | 125 | 753 200 845 | 2 | 5.070 | 460 | 285 | 105 | 90 | 10.7 | 7.4 |
| 180 | 140 | 753 200 846 | 1 | 5.290 | 460 | 305 | 105 | 110 | 10.7 | 8.3 |
| 200 | 125 | 753 200 847 | 1 | 7.100 | 500 | 310 | 115 | 92 | 11.9 | 7.4 |
| 200 | 140 | 753 200 848 | 1 | 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 | 1 | 8.620 | 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 | - | 9.300 | 540 | 335 | 122 | 115 | 13.4 | 11.9 |
| 250 | 180 | 753 200 857 | 1 | 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 | 1 | 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 | 1 | 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



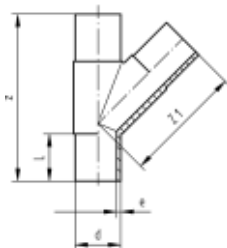
PF 2 51 301 001

| d [mm] | Code | GP | kg | z [mm] | z1 [mm] | L [mm] | e [mm] |
|--------|--------------------|----|-------|--------|---------|--------|--------|
| 63 | 753 251 011 | 26 | 0.500 | 255 | 158 | 63 | 5,8 |
| 75 | 753 251 012 | - | 0.800 | 301 | 190 | 70 | 6,8 |
| 90 | 753 251 013 | 10 | 1.300 | 368 | 234 | 79 | 8,2 |
| 110 | 753 251 014 | 6 | 1.800 | 395 | 260 | 82 | 10,0 |

53 25 10

Tee 45° equal PE100 SDR17/17,6

- 5 bar Gas / 10 bar Water



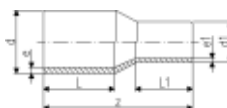
PF 2 51 301 001

| d [mm] | Code | GP | 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 |

53 90 10

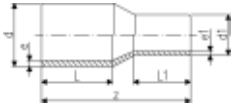
Reducer PE100 SDR11

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



| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|--------|---------|--------------------|-----|-------|--------|--------|---------|--------|---------|
| 25 | 20 | 753 901 038 | 40 | 0.022 | 115 | 52 | 52 | 3,0 | 3,0 |
| 32 | 20 | 753 901 042 | 100 | 0.028 | 120 | 54 | 52 | 3,0 | 3,0 |
| 32 | 25 | 753 901 041 | 45 | 0.031 | 120 | 54 | 52 | 3,0 | 3,0 |
| 40 | 20 | 753 901 048 | 40 | 0.040 | 130 | 57 | 52 | 3,7 | 3,0 |
| 40 | 25 | 753 901 047 | 50 | 0.043 | 130 | 57 | 52 | 3,7 | 3,0 |
| 40 | 32 | 753 901 046 | 40 | 0.047 | 130 | 57 | 53 | 3,7 | 3,0 |
| 50 | 20 | 753 901 055 | 20 | 0.064 | 150 | 63 | 52 | 4,6 | 3,0 |
| 50 | 25 | 753 901 054 | 45 | 0.066 | 140 | 63 | 52 | 4,6 | 3,0 |
| 50 | 32 | 753 901 053 | 40 | 0.067 | 140 | 63 | 53 | 4,6 | 3,0 |
| 50 | 40 | 753 901 052 | 25 | 0.079 | 140 | 63 | 57 | 4,6 | 3,7 |
| 63 | 32 | 753 901 060 | 50 | 0.109 | 150 | 65 | 53 | 5,8 | 3,0 |
| 63 | 40 | 753 901 059 | 50 | 0.119 | 150 | 65 | 57 | 5,8 | 3,7 |

table continued next page



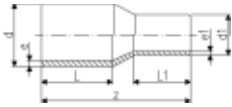
| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|-------------|----|--------|-----------|-----------|------------|-----------|------------|
| 63 | 50 | 753 901 058 | 50 | 0.130 | 150 | 65 | 63 | 5,8 | 4,6 |
| 75 | 40 | 753 901 063 | 60 | 0.178 | 170 | 72 | 57 | 6,8 | 3,7 |
| 75 | 50 | 753 901 064 | 50 | 0.191 | 170 | 72 | 63 | 6,8 | 4,6 |
| 75 | 63 | 753 901 065 | 50 | 0.216 | 170 | 72 | 65 | 6,8 | 5,8 |
| 90 | 50 | 753 901 072 | 18 | 0.291 | 190 | 81 | 63 | 8,2 | 4,6 |
| 90 | 63 | 753 901 071 | 18 | 0.317 | 190 | 81 | 65 | 8,2 | 5,8 |
| 90 | 75 | 753 901 070 | 18 | 0.361 | 190 | 81 | 70 | 8,2 | 6,8 |
| 110 | 63 | 753 901 078 | 24 | 0.469 | 205 | 86 | 65 | 10,0 | 5,8 |
| 110 | 75 | 753 901 077 | 10 | 0.497 | 205 | 86 | 70 | 10,0 | 6,8 |
| 110 | 90 | 753 901 076 | 9 | 0.557 | 205 | 86 | 81 | 10,0 | 8,2 |
| 125 | 63 | 753 901 083 | 15 | 0.579 | 214 | 87 | 63 | 11,4 | 5,8 |
| 125 | 75 | 753 901 082 | 15 | 0.660 | 210 | 92 | 72 | 11,4 | 6,8 |
| 125 | 90 | 753 901 081 | 15 | 0.735 | 212 | 92 | 81 | 11,4 | 8,2 |
| 125 | 110 | 753 901 080 | 15 | 0.819 | 212 | 92 | 86 | 11,4 | 10,0 |
| 140 | 75 | 753 901 086 | - | 0.560 | 230 | 110 | 70 | 12,7 | 6,8 |
| 140 | 90 | 753 901 087 | - | 0.690 | 230 | 110 | 79 | 12,7 | 8,2 |
| 140 | 110 | 753 901 084 | 12 | 0.820 | 230 | 110 | 88 | 12,7 | 10,0 |
| 140 | 125 | 753 901 085 | 12 | 0.988 | 235 | 110 | 90 | 12,7 | 11,4 |
| 160 | 90 | 753 901 088 | 10 | 1.060 | 244 | 120 | 79 | 14,6 | 8,2 |
| 160 | 110 | 753 901 090 | 5 | 1.240 | 244 | 102 | 86 | 14,6 | 10,0 |
| 160 | 125 | 753 901 089 | 5 | 1.403 | 245 | 102 | 92 | 14,6 | 11,4 |
| 160 | 140 | 753 901 032 | 10 | 1.350 | 260 | 120 | 110 | 14,6 | 12,7 |
| 180 | 90 | 753 901 073 | - | 1.530 | 245 | 105 | 79 | 16,4 | 8,2 |
| 180 | 110 | 753 901 074 | - | 1.720 | 270 | 105 | 82 | 16,4 | 10,0 |
| 180 | 125 | 753 901 091 | 6 | 1.753 | 258 | 107 | 92 | 16,4 | 11,4 |
| 180 | 140 | 753 901 075 | - | 1.980 | 270 | 120 | 110 | 16,4 | 12,7 |
| 180 | 160 | 753 901 033 | 4 | 2.044 | 255 | 107 | 102 | 16,4 | 14,6 |
| 200 | 140 | 753 901 066 | - | 2.310 | 275 | 120 | 110 | 18,2 | 12,7 |
| 200 | 160 | 753 901 092 | 6 | 2.472 | 265 | 117 | 102 | 18,2 | 14,6 |
| 200 | 180 | 753 901 034 | - | 2.580 | 265 | 117 | 107 | 18,2 | 16,4 |
| 225 | 140 | 753 901 067 | - | 2.900 | 295 | 130 | 110 | 20,5 | 12,7 |
| 225 | 160 | 753 901 096 | 3 | 3.118 | 279 | 122 | 102 | 20,5 | 14,6 |
| 225 | 180 | 753 901 095 | 4 | 3.277 | 280 | 122 | 107 | 20,5 | 16,4 |
| 225 | 200 | 753 901 094 | 4 | 3.538 | 280 | 122 | 117 | 20,5 | 18,2 |
| 250 | 160 | 753 901 000 | - | 2.385 | 300 | 130 | 100 | 22,7 | 14,6 |
| 250 | 180 | 753 901 068 | - | 4.050 | 295 | 130 | 105 | 22,7 | 16,4 |
| 250 | 200 | 753 901 001 | - | 2.385 | 315 | 130 | 112 | 22,7 | 18,2 |
| 250 | 225 | 753 901 002 | - | 2.385 | 332 | 130 | 120 | 22,7 | 20,5 |
| 280 | 200 | 753 901 098 | - | 6.850 | 333 | 140 | 112 | 25,4 | 18,2 |
| 280 | 225 | 753 901 099 | - | 6.090 | 335 | 140 | 120 | 25,4 | 20,5 |
| 280 | 250 | 753 901 003 | - | 2.385 | 340 | 140 | 130 | 25,4 | 22,7 |
| 315 | 200 | 753 901 004 | - | 2.385 | 380 | 180 | 134 | 28,6 | 18,2 |
| 315 | 225 | 753 901 097 | - | 7.790 | 365 | 150 | 120 | 28,6 | 20,5 |
| 315 | 250 | 753 901 005 | - | 2.385 | 365 | 150 | 130 | 28,6 | 22,7 |
| 315 | 280 | 753 901 012 | - | 8.800 | 365 | 150 | 139 | 28,6 | 25,4 |
| 355 | 250 | 753 901 013 | 6 | 9.100 | 390 | 165 | 130 | 32,3 | 22,7 |
| 355 | 280 | 753 901 014 | 6 | 9.500 | 390 | 165 | 139 | 32,3 | 25,4 |
| 355 | 315 | 753 901 015 | 6 | 9.900 | 390 | 165 | 150 | 32,3 | 28,6 |
| 400 | 280 | 753 901 016 | 6 | 10.420 | 415 | 180 | 139 | 36,4 | 25,4 |
| 400 | 315 | 753 901 017 | 6 | 11.130 | 415 | 180 | 150 | 36,4 | 28,6 |
| 400 | 355 | 753 901 018 | 6 | 11.600 | 420 | 180 | 165 | 36,4 | 32,3 |
| 450 | 280 | 753 901 019 | 6 | 16.200 | 389 | 195 | 139 | 40,9 | 25,4 |
| 450 | 315 | 753 901 020 | 6 | 16.700 | 390 | 195 | 150 | 40,9 | 28,6 |
| 450 | 355 | 753 901 022 | 6 | 17.500 | 393 | 195 | 164 | 40,9 | 32,3 |
| 450 | 400 | 753 901 024 | 3 | 18.500 | 395 | 195 | 179 | 40,9 | 36,4 |
| 500 | 315 | 753 901 025 | 3 | 21.900 | 422 | 212 | 150 | 45,5 | 28,6 |
| 500 | 355 | 753 901 026 | 3 | 22.600 | 424 | 212 | 164 | 45,5 | 32,3 |
| 500 | 400 | 753 901 027 | 3 | 23.600 | 426 | 212 | 179 | 45,5 | 36,4 |
| 500 | 450 | 753 901 029 | 3 | 25.100 | 428 | 212 | 195 | 45,5 | 40,9 |
| 560 | 355 | 753 901 030 | 3 | 30.100 | 459 | 230 | 164 | 50,9 | 32,3 |
| 560 | 400 | 753 901 039 | 3 | 31.000 | 461 | 230 | 179 | 50,9 | 36,4 |
| 560 | 450 | 753 901 040 | 3 | 32.400 | 463 | 230 | 195 | 50,9 | 40,9 |
| 560 | 500 | 753 901 043 | 3 | 34.100 | 466 | 230 | 212 | 50,9 | 45,5 |
| 630 | 400 | 753 901 044 | 3 | 41.900 | 502 | 250 | 179 | 57,3 | 36,4 |
| 630 | 450 | 753 901 045 | 3 | 43.100 | 503 | 250 | 195 | 57,3 | 40,9 |
| 630 | 500 | 753 901 049 | 3 | 44.700 | 506 | 250 | 212 | 57,3 | 45,5 |
| 630 | 560 | 753 901 050 | 3 | 46.800 | 506 | 250 | 230 | 57,3 | 50,9 |

PF 2 51 301 001

53 90 08

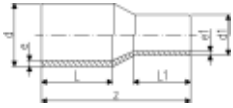
Reducer PE100 SDR17/17,6

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



| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|-----------|------------|-------------|----|---------|-----------|-----------|------------|-----------|------------|
| 90 | 63 | 753 900 872 | 40 | 0.216 | 182 | 79 | 70 | 5,4 | 3,8 |
| 90 | 75 | 753 900 870 | 40 | 0.202 | 185 | 79 | 70 | 5,4 | 4,5 |
| 110 | 63 | 753 900 877 | 30 | 0.326 | 185 | 82 | 63 | 6,6 | 3,8 |
| 110 | 90 | 753 900 876 | 22 | 0.650 | 205 | 85 | 80 | 6,6 | 5,4 |
| 125 | 63 | 753 900 882 | - | 0.610 | 200 | 87 | 63 | 7,4 | 3,8 |
| 125 | 90 | 753 900 881 | 9 | 0.700 | 215 | 90 | 80 | 7,4 | 5,4 |
| 125 | 110 | 753 900 880 | 9 | 0.810 | 215 | 90 | 85 | 7,4 | 6,6 |
| 140 | 75 | 753 900 886 | - | 0.560 | 230 | 112 | 70 | 8,3 | 4,5 |
| 140 | 90 | 753 900 887 | - | 0.610 | 230 | 112 | 79 | 8,3 | 5,4 |
| 140 | 110 | 753 900 884 | - | 0.660 | 230 | 112 | 82 | 8,3 | 6,6 |
| 140 | 125 | 753 900 885 | 12 | 0.712 | 235 | 115 | 87 | 8,3 | 7,4 |
| 160 | 90 | 753 900 888 | - | 0.752 | 248 | 120 | 85 | 9,5 | 5,4 |
| 160 | 110 | 753 900 890 | 10 | 9.970 | 245 | 100 | 85 | 9,5 | 6,6 |
| 160 | 125 | 753 900 889 | 10 | 1.380 | 245 | 100 | 90 | 9,5 | 7,4 |
| 160 | 140 | 753 900 831 | 10 | 1.380 | 260 | 120 | 110 | 9,5 | 8,3 |
| 180 | 90 | 753 900 873 | - | 1.010 | 237 | 105 | 79 | 10,7 | 5,4 |
| 180 | 110 | 753 900 874 | - | 1.600 | 270 | 120 | 92 | 10,7 | 6,6 |
| 180 | 125 | 753 900 891 | 4 | 1.710 | 255 | 105 | 90 | 10,7 | 7,4 |
| 180 | 140 | 753 900 875 | - | 1.720 | 270 | 120 | 110 | 10,7 | 8,3 |
| 180 | 160 | 753 900 832 | 4 | 2.100 | 255 | 105 | 100 | 10,7 | 9,5 |
| 200 | 140 | 753 900 866 | - | 1.800 | 275 | 120 | 110 | 11,9 | 8,3 |
| 200 | 160 | 753 900 892 | 4 | 2.370 | 265 | 115 | 100 | 11,9 | 9,5 |
| 200 | 180 | 753 900 893 | 4 | 2.580 | 265 | 115 | 105 | 11,9 | 10,7 |
| 225 | 140 | 753 900 867 | - | 1.450 | 280 | 120 | 100 | 13,4 | 8,3 |
| 225 | 160 | 753 900 896 | 4 | 2.980 | 280 | 120 | 100 | 13,4 | 9,5 |
| 225 | 180 | 753 900 895 | 4 | 3.160 | 280 | 120 | 105 | 13,4 | 10,7 |
| 225 | 200 | 753 900 894 | 8 | 3.750 | 280 | 120 | 115 | 13,4 | 11,9 |
| 250 | 160 | 753 900 800 | - | 2.850 | 290 | 130 | 100 | 14,8 | 9,5 |
| 250 | 180 | 753 900 868 | - | 3.100 | 295 | 130 | 105 | 14,8 | 10,7 |
| 250 | 200 | 753 900 801 | - | 3.210 | 302 | 130 | 112 | 14,8 | 11,9 |
| 250 | 225 | 753 900 802 | 6 | 2.385 | 332 | 162 | 120 | 14,8 | 13,4 |
| 280 | 200 | 753 900 898 | - | 3.800 | 333 | 140 | 112 | 16,6 | 11,9 |
| 280 | 225 | 753 900 899 | - | 4.100 | 335 | 140 | 120 | 16,6 | 13,4 |
| 280 | 250 | 753 900 803 | - | 2.385 | 340 | 140 | 130 | 16,6 | 14,8 |
| 315 | 200 | 753 900 804 | - | 6.200 | 380 | 180 | 134 | 18,7 | 11,9 |
| 315 | 225 | 753 900 807 | - | 6.200 | 365 | 150 | 120 | 18,7 | 13,4 |
| 315 | 250 | 753 900 805 | - | 6.420 | 365 | 150 | 130 | 18,7 | 14,8 |
| 315 | 280 | 753 900 806 | - | 5.940 | 365 | 150 | 140 | 18,7 | 16,6 |
| 355 | 250 | 753 900 808 | 6 | 5.270 | 390 | 165 | 130 | 21,1 | 14,8 |
| 355 | 280 | 753 900 809 | 6 | 5.830 | 390 | 165 | 140 | 21,1 | 16,6 |
| 355 | 315 | 753 900 810 | 6 | 7.240 | 390 | 165 | 150 | 21,1 | 18,7 |
| 400 | 280 | 753 900 811 | 1 | 7.930 | 415 | 180 | 140 | 23,7 | 16,6 |
| 400 | 315 | 753 900 812 | 6 | 8.480 | 415 | 180 | 150 | 23,7 | 18,7 |
| 400 | 355 | 753 900 813 | 3 | 9.620 | 420 | 180 | 165 | 23,7 | 21,1 |
| 450 | 280 | 753 900 814 | 3 | 11.500 | 389 | 195 | 140 | 26,7 | 16,6 |
| 450 | 315 | 753 900 815 | 3 | 11.600 | 390 | 195 | 150 | 26,7 | 18,7 |
| 450 | 355 | 753 900 816 | 3 | 11.900 | 393 | 195 | 164 | 26,7 | 21,1 |
| 450 | 400 | 753 900 817 | 3 | 12.700 | 395 | 195 | 179 | 26,7 | 23,7 |
| 500 | 315 | 753 900 818 | 3 | 15.500 | 422 | 212 | 150 | 29,7 | 18,7 |
| 500 | 355 | 753 900 819 | 3 | 15.700 | 424 | 212 | 164 | 29,7 | 21,1 |
| 500 | 400 | 753 900 820 | 3 | 16.200 | 426 | 212 | 179 | 29,7 | 23,7 |
| 500 | 450 | 753 900 821 | 3 | 17.000 | 428 | 212 | 195 | 29,7 | 26,7 |
| 560 | 355 | 753 900 822 | 3 | 21.400 | 459 | 230 | 164 | 33,2 | 21,1 |
| 560 | 400 | 753 900 823 | 3 | 21.700 | 461 | 230 | 179 | 33,2 | 23,7 |
| 560 | 450 | 753 900 824 | 3 | 22.300 | 463 | 230 | 195 | 33,2 | 26,7 |
| 560 | 500 | 753 900 825 | 3 | 23.200 | 466 | 230 | 212 | 33,2 | 29,7 |
| 630 | 400 | 753 900 826 | 3 | 29.700 | 502 | 250 | 179 | 37,4 | 23,7 |
| 630 | 450 | 753 900 827 | 3 | 30.100 | 503 | 250 | 195 | 37,4 | 26,7 |
| 630 | 500 | 753 900 828 | 3 | 30.800 | 506 | 250 | 212 | 37,4 | 29,7 |
| 630 | 560 | 753 900 829 | 3 | 31.900 | 506 | 250 | 230 | 37,4 | 33,3 |
| 710 | 500 | 753 900 833 | 1 | 58.796 | 790 | 300 | 300 | 42,1 | 29,7 |
| 710 | 560 | 753 900 834 | 1 | 60.578 | 770 | 300 | 300 | 42,1 | 33,2 |
| 710 | 630 | 753 900 835 | 1 | 62.448 | 740 | 300 | 300 | 42,1 | 37,4 |
| 800 | 560 | 753 900 836 | 1 | 75.842 | 800 | 300 | 300 | 47,4 | 33,2 |
| 800 | 630 | 753 900 837 | 1 | 78.255 | 780 | 300 | 300 | 47,4 | 37,4 |
| 800 | 710 | 753 900 838 | 1 | 80.504 | 750 | 300 | 300 | 47,4 | 42,1 |
| 900 | 630 | 753 900 839 | 1 | 99.282 | 820 | 300 | 300 | 53,3 | 37,4 |
| 900 | 710 | 753 900 840 | 1 | 100.908 | 790 | 300 | 300 | 53,3 | 42,1 |

table continued next page



PF 2 51 301 008

| d [mm] | d1 [mm] | Code | GP | kg | z [mm] | L [mm] | L1 [mm] | e [mm] | e1 [mm] |
|--------|---------|--------------------|----|---------|--------|--------|---------|--------|---------|
| 900 | 800 | 753 900 841 | 1 | 103.578 | 760 | 300 | 300 | 53,3 | 47,4 |
| 1000 | 710 | 753 900 842 | 1 | 124.232 | 820 | 300 | 300 | 59,3 | 42,1 |
| 1000 | 800 | 753 900 843 | 1 | 125.277 | 780 | 300 | 300 | 59,3 | 47,4 |
| 1000 | 900 | 753 900 844 | 1 | 126.638 | 740 | 300 | 300 | 59,3 | 53,3 |

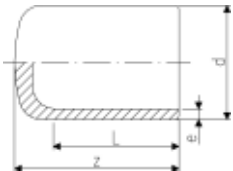
53 96 10

Cap PE100 SDR11

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

Note:

* Fabricated fitting made from pipe



| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|--------------------|-----|--------|--------|--------|--------|
| 20 | 753 961 006 | 50 | 0.009 | 52 | 52 | 3,0 |
| 25 | 753 961 007 | 50 | 0.013 | 52 | 52 | 3,0 |
| 32 | 753 961 008 | 50 | 0.017 | 54 | 54 | 3,0 |
| 40 | 753 961 009 | 100 | 0.040 | 57 | 57 | 3,7 |
| 50 | 753 961 010 | 30 | 0.050 | 63 | 63 | 4,6 |
| 63 | 753 961 011 | 50 | 0.085 | 65 | 65 | 5,8 |
| 75 | 753 961 012 | 40 | 0.145 | 80 | 72 | 6,8 |
| 90 | 753 961 013 | 50 | 0.240 | 90 | 81 | 8,2 |
| 110 | 753 961 014 | 30 | 0.387 | 98 | 86 | 10,0 |
| 125 | 753 961 015 | 12 | 0.546 | 105 | 92 | 11,4 |
| 140 | 753 961 016 | 12 | 0.835 | 136 | 92 | 12,7 |
| 160 | 753 961 017 | 8 | 1.026 | 120 | 102 | 14,6 |
| 180 | 753 961 018 | 10 | 1.369 | 128 | 107 | 16,4 |
| 200 | 753 961 019 | 5 | 1.839 | 138 | 115 | 18,2 |
| 225 | 753 961 020 | 5 | 2.500 | 148 | 122 | 20,5 |
| 250 | 753 961 021 | - | 3.927 | 205 | 130 | 22,7 |
| 280 | 753 960 922 | - | 5.344 | 235 | 139 | 25,4 |
| 315 | 753 960 923 | - | 7.176 | 255 | 150 | 28,6 |
| 355 | 753 960 924 | - | 9.780 | 280 | 165 | 32,3 |
| 400 | 753 960 925 | - | 13.370 | 310 | 180 | 36,4 |
| * 450 | 753 960 926 | - | 20.800 | 275 | 195 | 40,9 |
| * 500 | 753 960 927 | - | 28.400 | 297 | 212 | 45,5 |
| * 560 | 753 960 928 | - | 39.100 | 325 | 230 | 50,9 |
| * 630 | 753 960 929 | - | 59.700 | 355 | 250 | 57,3 |

PF 2 51 301 001

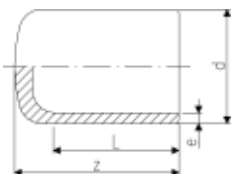
53 96 08

Cap PE100 SDR17/17,6

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

Note:

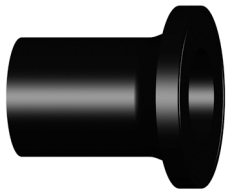
* Fabricated fitting made from pipe



| d [mm] | Code | GP | kg | z [mm] | L [mm] | e [mm] |
|--------|--------------------|----|--------|--------|--------|--------|
| 50 | 753 960 810 | 40 | 0.036 | 70 | 55 | 3,0 |
| 63 | 753 960 811 | - | 0.066 | 82 | 63 | 3,8 |
| 75 | 753 960 812 | - | 0.105 | 92 | 70 | 4,5 |
| 90 | 753 960 813 | 50 | 0.220 | 90 | 81 | 5,4 |
| 110 | 753 960 814 | 30 | 0.350 | 98 | 86 | 6,6 |
| 125 | 753 960 815 | 12 | 0.520 | 105 | 92 | 7,4 |
| 140 | 753 960 816 | 12 | 0.522 | 136 | 92 | 8,3 |
| 160 | 753 960 817 | 8 | 0.990 | 120 | 102 | 9,5 |
| 180 | 753 960 818 | 10 | 1.360 | 128 | 107 | 10,7 |
| 200 | 753 960 819 | 5 | 1.880 | 138 | 115 | 11,9 |
| 225 | 753 960 820 | 5 | 2.420 | 148 | 122 | 13,4 |
| 250 | 753 960 821 | - | 2.547 | 205 | 130 | 14,8 |
| 280 | 753 960 822 | - | 3.523 | 235 | 139 | 16,6 |
| 315 | 753 960 823 | - | 4.758 | 255 | 150 | 18,7 |
| 355 | 753 960 824 | - | 6.510 | 280 | 165 | 21,1 |
| 400 | 753 960 825 | 1 | 9.330 | 310 | 180 | 23,7 |
| * 450 | 753 960 826 | - | 15.800 | 265 | 195 | 26,7 |
| * 500 | 753 960 827 | - | 21.400 | 287 | 212 | 29,7 |
| * 560 | 753 960 828 | - | 29.400 | 310 | 230 | 33,2 |
| * 630 | 753 960 829 | - | 41.400 | 340 | 250 | 37,4 |
| * 710 | 753 960 830 | - | 36.419 | 310 | 190 | 42,1 |
| * 800 | 753 960 831 | - | 47.308 | 320 | 190 | 47,4 |
| * 900 | 753 960 832 | - | 61.388 | 330 | 190 | 53,5 |
| * 1000 | 753 960 833 | - | 77.362 | 340 | 190 | 59,3 |

PF 2 51 301 001

538000



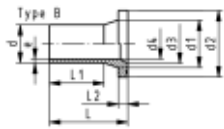
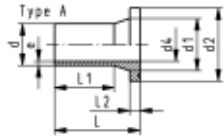
Flange Adaptor, PE100 S5/SDR11

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 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 10 bar Gas / 16 bar Water

* Type B with chamfer

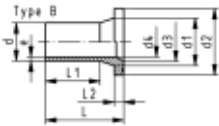
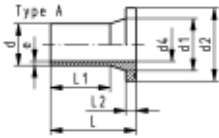
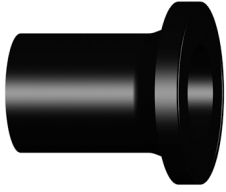


| d [mm] | DN [mm] | FM | Code | GP | kg |
|--------|---------|----|-------------|----|--------|
| 20 | 15 | IR | 753 800 006 | 50 | 0.022 |
| 25 | 20 | IR | 753 800 007 | - | 0.034 |
| 32 | 25 | IR | 753 800 008 | 25 | 0.051 |
| 40 | 32 | IR | 753 800 009 | 60 | 0.076 |
| 50 | 40 | IR | 753 800 010 | 50 | 0.107 |
| 63 | 50 | IR | 753 800 011 | 70 | 0.174 |
| * 75 | 65 | IR | 753 800 012 | 30 | 0.330 |
| * 90 | 80 | IR | 753 800 013 | 24 | 0.500 |
| * 110 | 100 | IR | 753 800 014 | 16 | 0.685 |
| * 125 | 100 | IR | 753 800 015 | 16 | 0.836 |
| * 140 | 125 | IR | 753 800 016 | 6 | 1.295 |
| * 160 | 150 | IR | 753 800 017 | 6 | 1.644 |
| * 180 | 150 | IR | 753 800 018 | 6 | 1.670 |
| * 200 | 200 | IR | 753 800 019 | 4 | 2.758 |
| * 225 | 200 | IR | 753 800 020 | 4 | 2.972 |
| * 250 | 250 | -- | 753 800 021 | 6 | 4.535 |
| * 280 | 250 | -- | 753 800 022 | 5 | 4.925 |
| * 315 | 300 | -- | 753 800 023 | 2 | 6.393 |
| * 355 | 350 | -- | 753 800 024 | 2 | 10.400 |
| * 400 | 400 | -- | 753 800 025 | 1 | 14.600 |
| * 450 | 500 | -- | 753 800 026 | - | 24.800 |
| * 500 | 500 | -- | 753 800 027 | - | 27.400 |
| * 560 | 600 | -- | 753 800 028 | - | 38.000 |
| * 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] |
|--------|---------|---------|---------|---------|---------|--------|---------|---------|--------|
| 20 | 15 | 27 | 45 | | 16 | 85 | 41 | 7 | 1.9 |
| 25 | 20 | 33 | 58 | | 20 | 85 | 41 | 9 | 2.3 |
| 32 | 25 | 40 | 68 | | 26 | 85 | 44 | 10 | 3.0 |
| 40 | 32 | 50 | 78 | | 32 | 85 | 49 | 11 | 3.7 |
| 50 | 40 | 61 | 88 | | 40 | 104 | 55 | 12 | 4.6 |
| 63 | 50 | 75 | 102 | | 51 | 98 | 69 | 14 | 5.8 |
| * 75 | 65 | 89 | 122 | 66 | 61 | 125 | 89 | 16 | 6.8 |
| * 90 | 80 | 105 | 138 | 78 | 73 | 140 | 103 | 17 | 8.2 |
| * 110 | 100 | 125 | 158 | 100 | 90 | 160 | 114 | 18 | 10.0 |
| * 125 | 100 | 132 | 158 | 114 | 102 | 170 | 125 | 25 | 11.4 |
| * 140 | 125 | 155 | 188 | 127 | 114 | 200 | 147 | 25 | 12.7 |
| * 160 | 150 | 175 | 212 | 151 | 130 | 200 | 147 | 25 | 14.6 |
| * 180 | 150 | 180 | 212 | 158 | 147 | 200 | 170 | 30 | 16.4 |
| * 200 | 200 | 232 | 268 | 203 | 163 | 200 | 128 | 32 | 18.2 |
| * 225 | 200 | 235 | 268 | 210 | 184 | 200 | 138 | 32 | 20.5 |
| * 250 | 250 | 285 | 320 | 245 | 204 | 219 | 138 | 35 | 22.7 |
| * 280 | 250 | 291 | 320 | 265 | 229 | 231 | 144 | 35 | 25.4 |
| * 315 | 300 | 335 | 370 | 300 | 257 | 239 | 158 | 35 | 28.6 |
| * 355 | 350 | 373 | 430 | 340 | 290 | 260 | 176 | 40 | 32.3 |
| * 400 | 400 | 427 | 482 | 385 | 327 | 290 | 186 | 46 | 36.3 |
| * 450 | 500 | 514 | 585 | 400 | 368 | 333 | 195 | 60 | 40.9 |
| * 500 | 500 | 530 | 585 | 440 | 409 | 350 | 212 | 60 | 45.5 |
| * 560 | 600 | 615 | 685 | 490 | 458 | 365 | 230 | 60 | 50.9 |
| * 630 | 600 | 642 | 685 | 545 | 515 | 385 | 250 | 60 | 57.3 |
| 710 | 700 | 737 | 800 | | 581 | 400 | 280 | 60 | 64.5 |
| 800 | 800 | 840 | 905 | | 652 | 400 | 280 | 65 | 74.0 |

PF 2 51 301 001

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 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 5 bar Gas / 10 bar Water

* Type B with chamfer

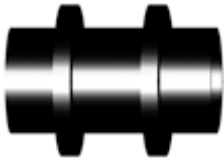
| d [mm] | DN [mm] | FM | Code | GP | kg |
|--------|---------|----|--------------------|----|--------|
| 50 | 40 | -- | 753 800 085 | 10 | 0.110 |
| 63 | 50 | -- | 753 800 086 | 32 | 0.143 |
| 75 | 65 | -- | 753 800 087 | 18 | 0.246 |
| 90 | 80 | -- | 753 800 088 | 24 | 0.500 |
| 110 | 100 | IR | 753 800 089 | 16 | 0.780 |
| * 125 | 100 | IR | 753 800 090 | 16 | 0.950 |
| * 140 | 125 | IR | 753 800 091 | 12 | 0.973 |
| * 160 | 150 | IR | 753 800 092 | 6 | 1.257 |
| 180 | 150 | IR | 753 800 093 | 6 | 1.670 |
| * 200 | 200 | IR | 753 800 094 | 4 | 2.212 |
| * 225 | 200 | IR | 753 800 095 | 4 | 2.233 |
| * 250 | 250 | -- | 753 800 096 | 6 | 3.595 |
| * 280 | 250 | -- | 753 800 097 | 5 | 3.355 |
| * 315 | 300 | -- | 753 800 098 | 2 | 5.320 |
| * 355 | 350 | -- | 753 800 099 | 2 | 7.300 |
| * 400 | 400 | -- | 753 800 100 | 1 | 10.300 |
| 450 | 500 | -- | 753 800 101 | - | 15.800 |
| 500 | 500 | -- | 753 800 102 | - | 19.100 |
| 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] |
|--------|---------|---------|---------|---------|--------|---------|---------|--------|
| 50 | 61 | 88 | | 44 | 104 | 55 | 12 | 3.0 |
| 63 | 75 | 102 | | 55 | 120 | 65 | 14 | 3.8 |
| 75 | 89 | 122 | | 66 | 130 | 75 | 16 | 4.5 |
| 90 | 105 | 138 | | 79 | 140 | 103 | 17 | 5.4 |
| 110 | 125 | 158 | | 96 | 160 | 117 | 18 | 6.6 |
| * 125 | 132 | 158 | 114 | 110 | 170 | 125 | 25 | 7.4 |
| * 140 | 155 | 188 | 127 | 123 | 200 | 147 | 25 | 8.3 |
| * 160 | 175 | 212 | 158 | 141 | 200 | 147 | 25 | 9.5 |
| 180 | 180 | 212 | | 158 | 200 | 170 | 30 | 10.7 |
| * 200 | 232 | 268 | 203 | 176 | 200 | 128 | 32 | 11.9 |
| * 225 | 235 | 268 | 210 | 198 | 200 | 138 | 32 | 13.4 |
| * 250 | 285 | 320 | 245 | 220 | 220 | 148 | 25 | 14.8 |
| * 280 | 291 | 320 | 265 | 246 | 230 | 154 | 25 | 16.6 |
| * 315 | 335 | 370 | 300 | 277 | 242 | 166 | 25 | 18.7 |
| * 355 | 373 | 430 | 340 | 312 | 261 | 179 | 30 | 21.1 |
| * 400 | 427 | 483 | 385 | 352 | 290 | 196 | 33 | 23.7 |
| 450 | 514 | 585 | | 396 | 333 | 195 | 60 | 26.7 |
| 500 | 530 | 585 | | 440 | 350 | 212 | 60 | 29.7 |
| 560 | 615 | 685 | | 493 | 365 | 230 | 60 | 33.2 |
| 630 | 642 | 685 | | 555 | 385 | 250 | 60 | 37.4 |
| 710 | 737 | 800 | | 626 | 400 | 280 | 50 | 42.1 |
| 800 | 840 | 905 | | 705 | 400 | 280 | 52 | 47.4 |
| 900 | 944 | 1005 | | 793 | 400 | 260 | 55 | 53.3 |
| 1000 | 1047 | 1110 | | 881 | 400 | 260 | 60 | 59.3 |

PF 2 51 301 001

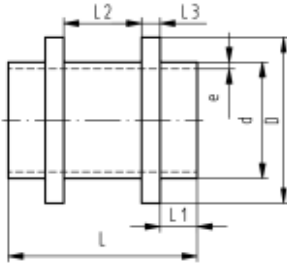
Butt Fusion Fittings PE100

Fixpoint Fitting, PE100, SDR17/17,6



Model:

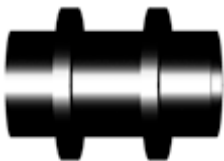
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100
- Machined



| d [mm] | FM | Code | GP | kg | D [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] |
|--------|----|-------------|----|--------|--------|--------|---------|---------|---------|--------|
| 63 | -- | 753 665 577 | - | 0.144 | 90 | 122 | 30 | 42 | 10 | 3.8 |
| 75 | -- | 753 665 578 | - | 0.212 | 110 | 122 | 30 | 42 | 10 | 4.5 |
| 90 | -- | 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 | - | 21.557 | 630 | 282 | 45 | 82 | 55 | 33.2 |
| 630 | -- | 753 665 595 | - | 29.574 | 710 | 302 | 50 | 82 | 60 | 37.4 |

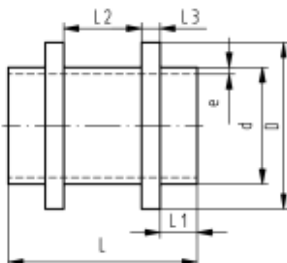
PF 2 68 240 039

Fixpoint Fitting, PE100, S5/SDR11



Model:

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



| d [mm] | FM | Code | GP | kg | D [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] |
|--------|----|-------------|----|--------|--------|--------|---------|---------|---------|--------|
| 63 | IR | 753 665 558 | 10 | 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 |
| 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 |

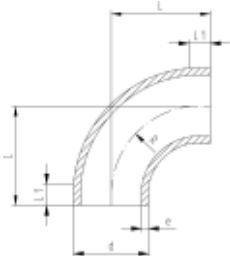
PF 2 68 240 039



Bend 90° PE100 SDR11

Model:

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



| d [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | R [mm] | e [mm] |
|--------|----|-------------|----|--------|--------|---------|--------|--------|
| 20 | IR | 753 018 706 | 10 | 0.007 | 38 | 23 | 15 | 1.9 |
| 25 | IR | 753 018 707 | 10 | 0.012 | 42 | 23 | 19 | 2.3 |
| 32 | IR | 753 018 708 | 10 | 0.022 | 46 | 22 | 24 | 2.9 |
| 40 | IR | 753 018 709 | 10 | 0.038 | 51 | 21 | 30 | 3.7 |
| 50 | IR | 753 018 710 | 10 | 0.066 | 58 | 21 | 37 | 4.6 |
| 63 | IR | 753 018 711 | - | 0.118 | 66 | 21 | 45 | 5.8 |
| 75 | IR | 753 018 712 | - | 0.241 | 100 | 20 | 90 | 6.8 |
| 90 | IR | 753 018 713 | - | 0.358 | 100 | 20 | 90 | 8.2 |
| 110 | IR | 753 018 714 | - | 0.755 | 141 | 25 | 130 | 10.0 |
| 125 | IR | 753 018 690 | - | 0.850 | 140 | 15 | 125 | 11.4 |
| 140 | IR | 753 018 691 | - | 1.180 | 155 | 15 | 140 | 12.7 |
| 160 | IR | 753 018 692 | - | 1.750 | 175 | 15 | 160 | 14.6 |
| 180 | IR | 753 018 693 | - | 2.670 | 195 | 15 | 180 | 16.4 |
| 200 | IR | 753 018 694 | - | 3.440 | 215 | 15 | 200 | 18.2 |
| 225 | IR | 753 018 695 | - | 4.790 | 245 | 20 | 225 | 20.5 |
| 250 | -- | 753 018 621 | 1 | 6.800 | 256 | 48 | 232 | 22.7 |
| 280 | -- | 753 018 622 | 1 | 9.900 | 286 | 48 | 262 | 25.4 |
| 315 | -- | 753 018 623 | - | 13.500 | 321 | 48 | 297 | 28.6 |
| 355 | -- | 753 021 024 | - | 17.200 | 335 | 38 | 355 | 32.3 |
| 400 | -- | 753 021 025 | - | 23.000 | 349 | 41 | 400 | 40.9 |
| 450 | -- | 753 021 026 | - | 38.300 | 450 | 49 | 450 | 40.9 |
| 500 | -- | 753 021 027 | - | 47.300 | 450 | 49 | 500 | 45.5 |

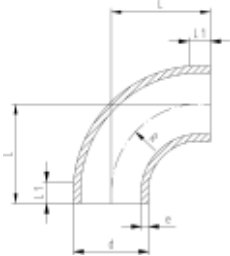
PF 2 51 301 005



Bend 90° PE100 SDR17/17,6

Model:

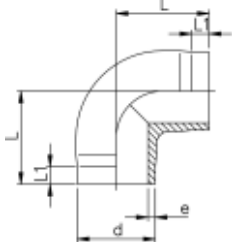
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100



| d [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | R [mm] | e [mm] |
|--------|----|-------------|----|--------|--------|---------|--------|--------|
| 50 | -- | 753 018 635 | 10 | 0.052 | 58 | 21 | 37 | 2.9 |
| 63 | -- | 753 018 636 | 10 | 0.084 | 66 | 21 | 45 | 3.6 |
| 75 | -- | 753 018 737 | - | 0.172 | 100 | 20 | 90 | 4.3 |
| 90 | -- | 753 018 738 | - | 0.243 | 100 | 20 | 90 | 5.1 |
| 110 | IR | 753 018 739 | - | 0.522 | 141 | 20 | 130 | 6.3 |
| 125 | IR | 753 018 590 | - | 0.590 | 140 | 15 | 125 | 7.1 |
| 140 | IR | 753 018 591 | - | 1.180 | 155 | 15 | 140 | 8.0 |
| 160 | IR | 753 018 592 | 1 | 1.750 | 175 | 15 | 160 | 9.1 |
| 180 | IR | 753 018 593 | - | 2.670 | 195 | 15 | 180 | 10.2 |
| 200 | IR | 753 018 594 | - | 3.440 | 215 | 15 | 200 | 11.4 |
| 225 | IR | 753 018 595 | - | 4.790 | 245 | 15 | 225 | 12.8 |
| 250 | -- | 753 018 521 | 1 | 4.700 | 256 | 48 | 232 | 14.2 |
| 280 | -- | 753 018 522 | - | 6.500 | 286 | 48 | 262 | 15.9 |
| 315 | -- | 753 018 523 | - | 9.200 | 321 | 48 | 297 | 17.9 |
| 355 | -- | 753 020 824 | - | 11.300 | 340 | 38 | 355 | 21.1 |
| 400 | -- | 753 020 825 | - | 15.700 | 345 | 41 | 400 | 23.7 |
| 450 | -- | 753 020 826 | - | 24.900 | 449 | 49 | 450 | 25.8 |
| 500 | -- | 753 020 827 | 1 | 30.600 | 449 | 49 | 500 | 32.0 |

PF 2 68 240 026

53 10 86



PF 2 68 240 007

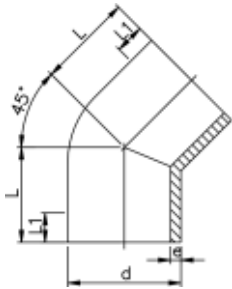
Elbow 90° PE100 SDR11

Model:

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

| d [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | e [mm] |
|--------|----|-------------|----|-------|--------|---------|--------|
| 20 | IR | 753 108 606 | - | 0.009 | 38 | 25 | 1,9 |
| 25 | IR | 753 108 607 | - | 0.014 | 42 | 26 | 2,3 |
| 32 | IR | 753 108 608 | - | 0.025 | 46 | 27 | 2,9 |
| 40 | IR | 753 108 609 | - | 0.049 | 51 | 22 | 3,7 |
| 50 | IR | 753 108 610 | - | 0.087 | 58 | 23 | 4,6 |
| 63 | IR | 753 108 611 | - | 0.152 | 66 | 21 | 5,8 |

53 15 86



PF 2 68 240 003

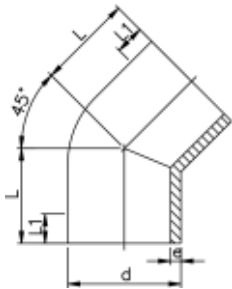
Elbow 45° PE100 SDR11

Model:

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

| d [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | e [mm] |
|--------|----|-------------|----|-------|--------|---------|--------|
| 20 | IR | 753 158 606 | - | 0.008 | 32 | 24 | 1,9 |
| 25 | IR | 753 158 607 | - | 0.013 | 34 | 25 | 2,3 |
| 32 | IR | 753 158 608 | - | 0.021 | 36 | 25 | 2,9 |
| 40 | IR | 753 158 609 | - | 0.037 | 39 | 25 | 3,7 |
| 50 | IR | 753 158 610 | - | 0.059 | 42 | 26 | 4,6 |
| 63 | IR | 753 158 611 | - | 0.104 | 47 | 29 | 5,8 |
| 75 | IR | 753 158 612 | - | 0.147 | 49 | 29 | 6,8 |
| 90 | IR | 753 158 613 | - | 0.243 | 57 | 34 | 8,2 |
| 110 | IR | 753 158 614 | - | 0.445 | 70 | 43 | 10,0 |
| 125 | IR | 753 158 615 | - | 0.653 | 79 | 48 | 11,4 |
| 140 | IR | 753 158 616 | - | 0.905 | 88 | 55 | 12,7 |
| 160 | IR | 753 158 617 | - | 1.344 | 100 | 60 | 14,6 |
| 200 | IR | 753 158 619 | - | 2.625 | 124 | 75 | 18,2 |
| 225 | IR | 753 158 620 | - | 3.738 | 140 | 85 | 20,5 |

53 15 85



PF 2 68 240 023

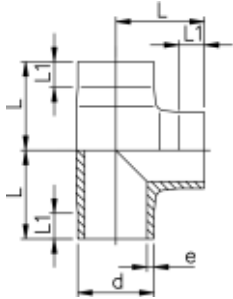
Elbow 45° PE100 SDR17,6

Model:

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

| d [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | e [mm] |
|--------|----|-------------|----|-------|--------|---------|--------|
| 50 | -- | 753 158 535 | 20 | 0.045 | 42 | 26 | 2,9 |
| 63 | -- | 753 158 536 | - | 0.091 | 47 | 29 | 3,6 |
| 75 | -- | 753 158 537 | - | 0.128 | 49 | 29 | 4,3 |
| 90 | -- | 753 158 538 | - | 0.208 | 57 | 34 | 5,1 |
| 110 | IR | 753 158 539 | 5 | 0.398 | 70 | 43 | 6,3 |
| 125 | IR | 753 158 540 | - | 0.570 | 79 | 48 | 7,1 |
| 140 | IR | 753 158 541 | - | 0.825 | 88 | 55 | 8,0 |
| 160 | IR | 753 158 542 | - | 1.190 | 100 | 60 | 9,1 |
| 200 | IR | 753 158 544 | - | 2.300 | 124 | 75 | 11,4 |
| 225 | IR | 753 158 545 | - | 3.200 | 140 | 85 | 12,8 |

53 20 86



Tee 90° equal, PE100 SDR11

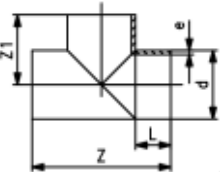
Model:

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

| d [mm] | FM | Code | GP | 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 | 20 | 0.067 | 51 | 22 | 3,7 |
| 50 | IR | 753 208 610 | - | 0.114 | 58 | 22 | 4,6 |
| 63 | IR | 753 208 611 | - | 0.203 | 66 | 21 | 5,8 |
| 75 | IR | 753 208 612 | - | 0.310 | 75 | 20 | 6,8 |
| 90 | IR | 753 208 613 | - | 0.564 | 90 | 20 | 8,2 |
| 110 | IR | 753 208 614 | - | 1.020 | 110 | 20 | 10,0 |
| 125 | IR | 753 208 615 | - | 1.514 | 125 | 25 | 11,4 |
| 140 | IR | 753 208 616 | - | 2.111 | 140 | 28 | 12,7 |
| 160 | IR | 753 208 617 | - | 3.095 | 160 | 28 | 14,6 |
| 180 | IR | 753 208 668 | - | 4.560 | 190 | 70 | 16,4 |
| 200 | IR | 753 208 619 | - | 6.037 | 200 | 35 | 18,2 |
| 225 | IR | 753 208 620 | - | 8.090 | 220 | 35 | 20,5 |
| 250 | -- | 753 208 671 | - | 12.208 | 272 | 90 | 22,7 |
| 280 | -- | 753 208 672 | - | 17.831 | 313 | 108 | 25,4 |
| 315 | -- | 753 208 673 | - | 25.742 | 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 |

PF 2 51 301 003

53 20 86



Tee 90° equal, PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Production process: segment welded
- 10 bar Gas / 16 bar Water

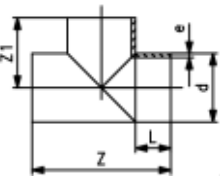
* on request

| d [mm] | Code | L [mm] | L1 [mm] | e [mm] |
|-----------|-------------|-----------|------------|-----------|
| 710 | 753 211 030 | 820 | 75 | 64.5 |
| * 800 | 753 211 031 | 1010 | 75 | 72.6 |

PF 2 51 301 003



53 20 85



Tee 90° equal, PE100 SDR17/17,6

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Production process: segment welded
- 5 bar Gas / 10 bar Water

* on request

| d [mm] | Code | L [mm] | L1 [mm] | e [mm] |
|-----------|-------------|-----------|------------|-----------|
| 710 | 753 220 833 | 920 | 75 | 42.1 |
| * 800 | 753 220 834 | 1010 | 75 | 47.4 |

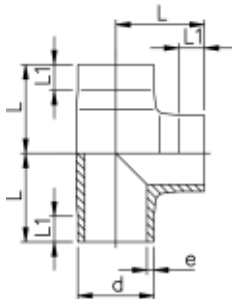
PF 2 68 240 029



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. Please choose fusion parameters: PE100

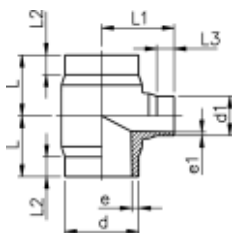


PF 2 68 240 029

| d [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | e [mm] |
|--------|----|--------------------|----|--------|--------|---------|--------|
| 50 | -- | 753 208 535 | - | 0.090 | 59 | 26 | 2,9 |
| 63 | -- | 753 208 536 | - | 0.160 | 71 | 25 | 3,6 |
| 75 | -- | 753 208 412 | - | 0.245 | 74 | 20 | 4,8 |
| 90 | -- | 753 208 413 | - | 0.418 | 90 | 20 | 5,6 |
| 110 | IR | 753 208 414 | - | 0.757 | 110 | 20 | 6,9 |
| 125 | IR | 753 208 540 | - | 1.066 | 124 | 27 | 7,1 |
| 140 | IR | 753 208 541 | - | 1.449 | 141 | 33 | 8,0 |
| 160 | IR | 753 208 542 | - | 2.240 | 160 | 40 | 9,1 |
| 180 | IR | 753 208 543 | - | 3.176 | 190 | 70 | 10,2 |
| 200 | IR | 753 208 544 | - | 4.360 | 210 | 70 | 11,4 |
| 225 | IR | 753 208 545 | - | 6.030 | 238 | 80 | 12,8 |
| 250 | -- | 753 208 546 | - | 8.610 | 272 | 90 | 14,2 |
| 280 | -- | 753 208 547 | - | 11.660 | 313 | 108 | 15,9 |
| 315 | -- | 753 208 548 | - | 16.230 | 348 | 114 | 17,9 |
| 355 | -- | 753 220 824 | - | 22.750 | 330 | 95 | 21,1 |
| 400 | -- | 753 220 825 | - | 30.500 | 345 | 104 | 23,7 |
| 450 | -- | 753 220 826 | - | 45.000 | 450 | 130 | 26,7 |
| 500 | -- | 753 220 827 | - | 52.600 | 445 | 130 | 29,7 |

Tee 90° reduced, PE100 SDR11**Model:**

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



PF 2 68 240 017

| d [mm] | d1 [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | e1 [mm] |
|--------|---------|----|--------------------|----|-------|--------|---------|---------|---------|--------|---------|
| 63 | 32 | IR | 753 208 351 | - | 0.170 | 65 | 70 | 25 | 25 | 5,8 | 2,9 |
| 63 | 50 | IR | 753 208 352 | - | 0.180 | 65 | 70 | 25 | 25 | 5,8 | 4,6 |
| 75 | 32 | IR | 753 208 353 | - | 0.250 | 70 | 75 | 25 | 25 | 6,8 | 2,9 |
| 75 | 50 | IR | 753 208 354 | - | 0.263 | 70 | 75 | 25 | 25 | 6,8 | 4,6 |
| 75 | 63 | IR | 753 208 355 | - | 0.278 | 70 | 75 | 25 | 25 | 6,8 | 5,8 |
| 90 | 50 | IR | 753 208 357 | - | 0.445 | 80 | 85 | 25 | 25 | 8,2 | 4,6 |
| 90 | 63 | IR | 753 208 358 | - | 0.455 | 80 | 85 | 25 | 25 | 8,2 | 5,8 |
| 90 | 75 | IR | 753 208 359 | - | 0.470 | 80 | 85 | 25 | 25 | 8,2 | 6,8 |
| 110 | 32 | IR | 753 208 360 | - | 0.705 | 90 | 95 | 30 | 25 | 10,0 | 2,9 |
| 110 | 50 | IR | 753 208 361 | - | 0.700 | 90 | 95 | 30 | 25 | 10,0 | 4,6 |
| 110 | 63 | IR | 753 208 362 | - | 0.710 | 90 | 95 | 30 | 25 | 10,0 | 5,8 |
| 110 | 75 | IR | 753 208 363 | - | 0.723 | 90 | 95 | 30 | 25 | 10,0 | 6,8 |
| 110 | 90 | IR | 753 208 364 | - | 0.735 | 90 | 95 | 30 | 25 | 10,0 | 8,2 |
| 160 | 63 | IR | 753 208 371 | - | 2.270 | 142 | 135 | 50 | 30 | 14,6 | 5,8 |
| 160 | 75 | IR | 753 208 372 | - | 2.295 | 142 | 135 | 50 | 30 | 14,6 | 6,8 |
| 160 | 90 | IR | 753 208 373 | - | 2.315 | 142 | 135 | 50 | 30 | 14,6 | 8,2 |
| 160 | 110 | IR | 753 208 374 | - | 2.355 | 142 | 135 | 50 | 30 | 14,6 | 10,0 |
| 225 | 90 | IR | 753 208 388 | - | 4.760 | 155 | 165 | 40 | 30 | 20,5 | 8,2 |
| 225 | 110 | IR | 753 208 389 | - | 4.720 | 155 | 165 | 40 | 30 | 20,5 | 10,0 |
| 225 | 160 | IR | 753 208 391 | - | 4.780 | 155 | 165 | 40 | 30 | 20,5 | 14,6 |
| 250 | 110 | -- | 753 221 031 | - | 8.120 | 228 | 197 | 140 | 37 | 22,7 | 10,0 |
| 250 | 160 | -- | 753 221 032 | - | 8.620 | 229 | 219 | 117 | 60 | 22,7 | 14,6 |

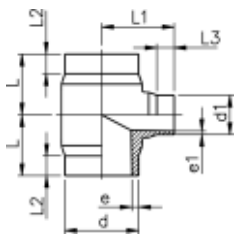


Tee 90° reduced, PE100 SDR17,6

Model:

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

* Branch SDR11



| d [mm] | d1 [mm] | FM | Code | GP | kg | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | e [mm] | e1 [mm] |
|--------|---------|----|-------------|----|-------|--------|---------|---------|---------|--------|---------|
| * 63 | 32 | -- | 753 208 301 | - | 0.157 | 65 | 70 | 25 | 25 | 3,6 | 2,9 |
| 63 | 50 | -- | 753 208 302 | - | 0.158 | 65 | 70 | 25 | 25 | 3,6 | 2,9 |
| * 75 | 32 | -- | 753 208 303 | - | 0.240 | 70 | 75 | 25 | 25 | 4,3 | 2,9 |
| 75 | 50 | -- | 753 208 304 | - | 0.250 | 70 | 75 | 25 | 25 | 4,3 | 2,9 |
| 75 | 63 | -- | 753 208 305 | - | 0.257 | 70 | 75 | 25 | 25 | 4,3 | 3,6 |
| 90 | 50 | -- | 753 208 307 | - | 0.410 | 80 | 85 | 25 | 25 | 5,1 | 2,9 |
| 90 | 63 | -- | 753 208 308 | - | 0.330 | 80 | 85 | 25 | 25 | 5,1 | 3,6 |
| 90 | 75 | -- | 753 208 309 | - | 0.340 | 80 | 85 | 25 | 25 | 5,1 | 4,3 |
| * 110 | 32 | IR | 753 208 310 | - | 0.640 | 90 | 95 | 30 | 25 | 6,3 | 2,9 |
| 110 | 50 | IR | 753 208 311 | - | 0.650 | 90 | 95 | 30 | 25 | 6,3 | 2,9 |
| 110 | 63 | IR | 753 208 312 | - | 0.520 | 90 | 95 | 30 | 25 | 6,3 | 3,6 |
| 110 | 75 | IR | 753 208 313 | - | 0.524 | 90 | 95 | 30 | 25 | 6,3 | 4,3 |
| 110 | 90 | IR | 753 208 314 | - | 0.530 | 90 | 95 | 30 | 25 | 6,3 | 5,1 |
| 160 | 63 | IR | 753 208 321 | - | 2.150 | 142 | 135 | 50 | 30 | 9,1 | 3,6 |
| 160 | 75 | IR | 753 208 322 | - | 2.130 | 142 | 135 | 50 | 30 | 9,1 | 4,3 |
| 160 | 90 | IR | 753 208 323 | - | 1.590 | 142 | 135 | 50 | 30 | 9,1 | 5,1 |
| 160 | 110 | IR | 753 208 324 | - | 1.695 | 142 | 135 | 50 | 30 | 9,1 | 6,3 |
| 225 | 90 | IR | 753 208 338 | - | 3.430 | 155 | 165 | 40 | 30 | 12,8 | 5,1 |
| 225 | 110 | IR | 753 208 339 | - | 3.410 | 155 | 165 | 40 | 30 | 12,8 | 6,3 |
| 225 | 160 | IR | 753 208 341 | - | 3.440 | 155 | 165 | 40 | 30 | 12,8 | 9,1 |
| 250 | 160 | -- | 753 220 832 | - | 6.500 | 228 | 219 | 117 | 60 | 14,8 | 9,5 |

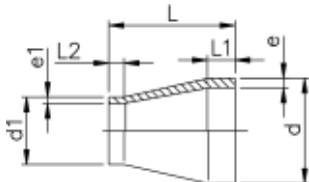
PF 2 51 301 004

53 90 88

Reducer PE100 SDR11

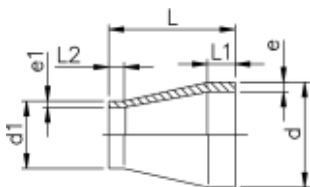
Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Please 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] |
|--------|---------|----|-------------|-------|--------|---------|---------|--------|---------|
| 25 | 20 | IR | 753 908 637 | 0.007 | 50 | 20 | 18 | 2,3 | 1,9 |
| 32 | 20 | IR | 753 908 642 | 0.010 | 50 | 20 | 18 | 2,9 | 1,9 |
| 32 | 25 | IR | 753 908 641 | 0.011 | 50 | 20 | 18 | 2,9 | 2,3 |
| 40 | 20 | IR | 753 908 648 | 0.016 | 58 | 20 | 20 | 3,7 | 1,9 |
| 40 | 25 | IR | 753 908 647 | 0.017 | 55 | 20 | 18 | 3,7 | 2,3 |
| 40 | 32 | IR | 753 908 646 | 0.019 | 55 | 20 | 18 | 3,7 | 2,9 |
| 50 | 25 | IR | 753 908 654 | 0.025 | 60 | 20 | 18 | 4,6 | 2,3 |
| 50 | 32 | IR | 753 908 653 | 0.028 | 60 | 20 | 18 | 4,6 | 2,9 |
| 50 | 40 | IR | 753 908 652 | 0.032 | 60 | 20 | 18 | 4,6 | 3,7 |
| 63 | 32 | IR | 753 908 660 | 0.046 | 65 | 20 | 18 | 5,8 | 2,9 |
| 63 | 40 | IR | 753 908 659 | 0.051 | 65 | 20 | 18 | 5,8 | 3,7 |
| 63 | 50 | IR | 753 908 658 | 0.056 | 65 | 20 | 18 | 5,8 | 4,6 |
| 75 | 40 | IR | 753 908 666 | 0.070 | 68 | 20 | 20 | 6,8 | 3,7 |
| 75 | 50 | IR | 753 908 665 | 0.074 | 65 | 20 | 18 | 6,8 | 4,6 |
| 75 | 63 | IR | 753 908 664 | 0.083 | 65 | 20 | 18 | 6,8 | 5,8 |
| 90 | 63 | IR | 753 908 671 | 0.127 | 75 | 21 | 17 | 8,2 | 5,8 |
| 90 | 75 | IR | 753 908 670 | 0.132 | 75 | 22 | 17 | 8,2 | 6,8 |
| 110 | 75 | IR | 753 908 677 | 0.226 | 90 | 28 | 17 | 10,0 | 6,8 |
| 110 | 90 | IR | 753 908 676 | 0.239 | 90 | 28 | 20 | 10,0 | 8,2 |
| 125 | 110 | IR | 753 908 680 | 0.345 | 100 | 32 | 26 | 11,4 | 10,0 |
| 140 | 110 | IR | 753 908 685 | 0.436 | 110 | 35 | 28 | 12,7 | 10,0 |
| 140 | 125 | IR | 753 908 684 | 0.478 | 110 | 35 | 28 | 12,7 | 11,4 |
| 160 | 110 | IR | 753 908 690 | 0.608 | 120 | 40 | 25 | 14,6 | 10,0 |
| 160 | 140 | IR | 753 908 688 | 0.671 | 120 | 40 | 33 | 14,6 | 12,7 |
| 180 | 90 | IR | 753 908 877 | 0.678 | 157 | 45 | 22 | 16,4 | 8,2 |
| 180 | 110 | IR | 753 908 878 | 0.556 | 157 | 45 | 28 | 16,4 | 10,0 |
| 180 | 125 | IR | 753 908 879 | 0.528 | 136 | 45 | 32 | 16,4 | 11,4 |
| 180 | 140 | IR | 753 908 880 | 0.524 | 136 | 45 | 35 | 16,4 | 12,7 |
| 180 | 160 | IR | 753 908 881 | 0.537 | 136 | 45 | 40 | 16,4 | 14,6 |
| 200 | 160 | IR | 753 908 692 | 1.266 | 150 | 50 | 35 | 18,2 | 14,6 |
| 200 | 180 | IR | 753 908 883 | 0.715 | 151 | 50 | 45 | 18,2 | 16,4 |
| 225 | 110 | IR | 753 908 695 | 1.447 | 171 | 55 | 45 | 20,5 | 10,0 |
| 225 | 160 | IR | 753 908 696 | 1.546 | 160 | 55 | 37 | 20,5 | 14,6 |

table continued next page



| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | e1 [mm] |
|--------|---------|----|-------------|--------|--------|---------|---------|--------|---------|
| 225 | 180 | IR | 753 908 885 | 1.970 | 171 | 55 | 45 | 20,5 | 16,4 |
| 225 | 200 | IR | 753 908 697 | 1.737 | 160 | 55 | 48 | 20,5 | 18,2 |
| 250 | 160 | -- | 753 908 890 | 2.314 | 194 | 60 | 40 | 22,7 | 14,6 |
| 250 | 180 | -- | 753 900 001 | 2.450 | 175 | 60 | 55 | 22,7 | 16,4 |
| 250 | 200 | -- | 753 900 002 | 2.450 | 180 | 60 | 60 | 22,7 | 18,2 |
| 250 | 225 | -- | 753 908 887 | 2.595 | 182 | 60 | 55 | 22,7 | 20,5 |
| 280 | 200 | -- | 753 900 004 | 3.540 | 205 | 70 | 50 | 25,4 | 18,2 |
| 280 | 225 | -- | 753 908 892 | 1.908 | 105 | 30 | 20 | 25,4 | 20,5 |
| 280 | 250 | -- | 753 908 891 | 1.390 | 70 | 30 | 18 | 25,4 | 22,7 |
| 315 | 200 | -- | 753 900 007 | 4.740 | 225 | 80 | 50 | 28,6 | 20,5 |
| 315 | 225 | -- | 753 908 897 | 2.797 | 130 | 30 | 30 | 28,6 | 20,5 |
| 315 | 250 | -- | 753 908 896 | 2.370 | 100 | 30 | 20 | 28,6 | 22,7 |
| 315 | 280 | -- | 753 908 895 | 1.590 | 63 | 30 | 18 | 28,6 | 25,4 |
| 355 | 225 | -- | 753 900 011 | 4.700 | 245 | 90 | 55 | 32,3 | 20,5 |
| 355 | 250 | -- | 753 900 012 | 4.400 | 245 | 90 | 60 | 32,3 | 22,7 |
| 355 | 280 | -- | 753 900 013 | 4.100 | 245 | 90 | 70 | 32,3 | 25,4 |
| 355 | 315 | -- | 753 900 014 | 3.700 | 245 | 90 | 80 | 32,3 | 28,6 |
| 400 | 225 | -- | 753 900 015 | 6.800 | 260 | 95 | 60 | 36,4 | 20,5 |
| 400 | 250 | -- | 753 900 016 | 6.800 | 260 | 95 | 70 | 36,4 | 22,7 |
| 400 | 280 | -- | 753 900 017 | 6.200 | 260 | 95 | 70 | 36,4 | 25,4 |
| 400 | 315 | -- | 753 900 018 | 5.300 | 260 | 95 | 80 | 36,4 | 28,6 |
| 400 | 355 | -- | 753 900 019 | 4.800 | 260 | 95 | 90 | 36,4 | 32,3 |
| 450 | 280 | -- | 753 900 020 | 9.000 | 230 | 60 | 70 | 40,9 | 25,4 |
| 450 | 315 | -- | 753 900 021 | 8.000 | 230 | 60 | 80 | 40,9 | 28,6 |
| 450 | 355 | -- | 753 900 022 | 7.400 | 230 | 60 | 90 | 40,9 | 32,3 |
| 450 | 400 | -- | 753 900 023 | 6.600 | 230 | 60 | 95 | 40,9 | 36,4 |
| 500 | 315 | -- | 753 900 024 | 12.000 | 230 | 60 | 80 | 45,5 | 28,6 |
| 500 | 355 | -- | 753 900 025 | 10.800 | 230 | 60 | 90 | 45,5 | 32,3 |
| 500 | 400 | -- | 753 900 026 | 10.000 | 230 | 60 | 95 | 45,5 | 36,4 |
| 500 | 450 | -- | 753 900 027 | 8.300 | 200 | 60 | 60 | 45,5 | 40,9 |
| 710 | 500 | -- | 753 900 035 | 24.157 | 190 | 84 | 40 | 64,5 | 45,4 |
| 710 | 560 | -- | 753 900 036 | 21.770 | 170 | 81 | 40 | 64,5 | 50,8 |
| 710 | 630 | -- | 753 900 037 | 17.845 | 140 | 71 | 40 | 64,5 | 57,2 |

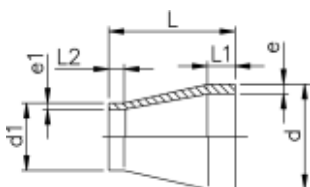
PF 2 68 240 040



Reducer PE100 SDR17/17,6

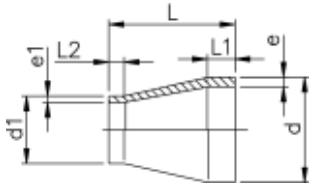
Model:

- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Please 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 | -- | 753 908 926 | 0.010 | 55 | 12 | 12 | 2,9 | 2,3 |
| 63 | 40 | -- | 753 908 927 | 0.020 | 65 | 16 | 12 | 3,6 | 2,3 |
| 63 | 50 | -- | 753 908 928 | 0.020 | 65 | 16 | 12 | 3,6 | 2,9 |
| 75 | 40 | -- | 753 908 904 | 0.041 | 71 | 19 | 12 | 4,3 | 2,3 |
| 75 | 50 | -- | 753 908 465 | 0.049 | 65 | 20 | 20 | 4,8 | 3,2 |
| 75 | 63 | -- | 753 908 464 | 0.056 | 65 | 20 | 20 | 4,8 | 4,0 |
| 90 | 63 | -- | 753 908 471 | 0.083 | 75 | 20 | 19 | 5,7 | 4,0 |
| 90 | 75 | -- | 753 908 470 | 0.092 | 75 | 20 | 20 | 5,7 | 4,8 |
| 110 | 75 | -- | 753 908 477 | 0.149 | 89 | 28 | 18 | 6,9 | 4,8 |
| 110 | 90 | -- | 753 908 476 | 0.165 | 90 | 28 | 20 | 6,9 | 5,7 |
| 125 | 110 | IR | 753 908 912 | 0.151 | 108 | 32 | 28 | 7,1 | 6,3 |
| 140 | 110 | IR | 753 908 917 | 0.144 | 115 | 35 | 28 | 8,0 | 6,3 |
| 140 | 125 | IR | 753 908 916 | 0.150 | 115 | 35 | 32 | 8,0 | 7,1 |
| 160 | 110 | IR | 753 908 922 | 0.287 | 124 | 40 | 28 | 9,1 | 6,3 |
| 160 | 140 | IR | 753 908 920 | 0.245 | 124 | 40 | 35 | 9,1 | 8,0 |
| 180 | 90 | IR | 753 908 975 | 0.445 | 157 | 45 | 22 | 10,2 | 5,1 |
| 180 | 110 | IR | 753 908 976 | 0.367 | 157 | 45 | 28 | 10,2 | 6,3 |
| 180 | 125 | IR | 753 908 977 | 0.347 | 136 | 45 | 32 | 10,2 | 7,1 |
| 180 | 140 | IR | 753 908 978 | 0.344 | 136 | 45 | 35 | 10,2 | 8,0 |
| 180 | 160 | IR | 753 908 979 | 0.351 | 136 | 45 | 40 | 10,2 | 9,1 |
| 200 | 160 | IR | 753 908 931 | 0.835 | 151 | 50 | 40 | 11,4 | 9,1 |
| 200 | 180 | IR | 753 908 981 | 0.467 | 151 | 50 | 45 | 11,4 | 10,2 |
| 225 | 110 | IR | 753 908 938 | 1.295 | 160 | 55 | 35 | 12,8 | 6,3 |
| 225 | 160 | IR | 753 908 933 | 0.620 | 171 | 55 | 40 | 12,8 | 9,1 |
| 225 | 180 | IR | 753 908 985 | 0.601 | 171 | 55 | 45 | 12,8 | 10,2 |
| 225 | 200 | IR | 753 908 932 | 0.614 | 171 | 55 | 50 | 12,8 | 11,4 |
| 250 | 160 | -- | 753 908 939 | 0.975 | 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 | 1.820 | 180 | 60 | 60 | 14,8 | 11,9 |
| 250 | 225 | -- | 753 908 937 | 0.681 | 182 | 60 | 55 | 14,2 | 12,8 |
| 280 | 200 | -- | 753 902 804 | 2.440 | 205 | 70 | 50 | 16,6 | 11,9 |

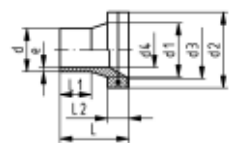
table continued next page



| d [mm] | d1 [mm] | FM | Code | kg | L [mm] | L1 [mm] | L2 [mm] | e [mm] | e1 [mm] |
|--------|---------|----|--------------------|--------|--------|---------|---------|--------|---------|
| 280 | 225 | -- | 753 908 944 | 1.180 | 105 | 30 | 20 | 15,9 | 12,8 |
| 280 | 250 | -- | 753 908 943 | 0.858 | 70 | 30 | 18 | 15,9 | 14,2 |
| 315 | 200 | -- | 753 902 807 | 3.360 | 225 | 80 | 50 | 18,7 | 11,9 |
| 315 | 225 | -- | 753 908 950 | 1.715 | 130 | 30 | 20 | 17,9 | 12,8 |
| 315 | 250 | -- | 753 908 949 | 1.446 | 100 | 30 | 20 | 17,9 | 14,2 |
| 315 | 280 | -- | 753 908 999 | 1.047 | 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 | 4.100 | 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 | 4.400 | 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 | 3.320 | 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 | 4.400 | 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 | 7.300 | 230 | 60 | 90 | 29,7 | 21,1 |
| 500 | 400 | -- | 753 902 826 | 7.080 | 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 |

PF 2 68 240 040

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PF 2 68 240 024

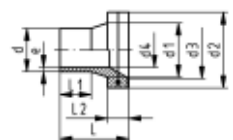
Flange Adaptor, PE100 SDR17/17.6 Jointing face, combination serrated / flat metric for Butterfly Valves

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Suitable for most common butterfly valves
- Including spacer and O-Ring EPDM

| d [mm] | DN [mm] | Code | GP | kg | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|--------|---------|--------------------|----|-------|---------|---------|---------|--------|---------|---------|--------|
| 355 | 350 | 753 798 849 | - | 6.000 | 373 | 430 | 346 | 156 | 55 | 71 | 21.1 |
| 400 | 400 | 753 798 850 | - | 8.100 | 427 | 482 | 404 | 176 | 67 | 74 | 23.7 |

537988



PF 2 68 240 004

Flange Adaptor, PE100 SDR11 Jointing Face, combination serrated / flat metric for Butterfly Valves

Model:

- Conventional butt-welding according to DVS 2207 part 11
- Suitable for most common butterfly valves
- Including spacer and O-Ring EPDM

| d [mm] | DN [mm] | Code | GP | kg | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|--------|---------|--------------------|----|--------|---------|---------|---------|--------|---------|---------|--------|
| 355 | 350 | 753 798 824 | - | 7.800 | 373 | 430 | 346 | 156 | 40 | 80 | 32.2 |
| 400 | 400 | 753 798 825 | - | 10.700 | 427 | 482 | 404 | 176 | 55 | 87 | 36.3 |

537988

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 and 037
- For butterfly valves \geq DN350, please choose flange adaptor no. 53 79 88
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07

*** Type B with chamfer**



| d [mm] | DN [mm] | Code | GP | kg | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|--------|---------|-------------|----|--------|---------|---------|---------|---------|--------|---------|---------|--------|
| * 250 | 250 | 753 798 826 | 5 | 3.260 | 285 | 320 | 245 | 204 | 121 | 54 | 35 | 22,7 |
| * 280 | 250 | 753 798 827 | 5 | 3.760 | 291 | 320 | 265 | 229 | 119 | 69 | 35 | 25,4 |
| * 315 | 300 | 753 798 828 | 6 | 4.385 | 335 | 370 | 300 | 257 | 166 | 88 | 35 | 28,6 |
| * 355 | 350 | 753 798 829 | 4 | 5.855 | 373 | 430 | 340 | 290 | 187 | 98 | 40 | 32,2 |
| * 400 | 400 | 753 798 830 | 2 | 8.760 | 427 | 482 | 385 | 327 | 196 | 106 | 45 | 36,3 |
| * 450 | 500 | 753 798 831 | 14 | 14.680 | 514 | 585 | 400 | 368 | 139 | 61 | 60 | 40,9 |
| * 500 | 500 | 753 798 832 | 14 | 13.630 | 530 | 585 | 440 | 409 | 138 | 62 | 60 | 45,4 |
| * 560 | 600 | 753 798 833 | 9 | 19.380 | 615 | 684 | 490 | 458 | 135 | 20 | 60 | 50,8 |
| * 630 | 600 | 753 798 834 | 9 | 16.500 | 642 | 684 | 545 | 516 | 135 | 40 | 60 | 57,2 |
| 710 | 700 | 753 798 835 | 9 | 21.586 | 737 | 800 | | 581 | 120 | 20 | 60 | 64,5 |
| 800 | 800 | 753 798 836 | 9 | 28.505 | 840 | 905 | | 655 | 120 | 18 | 65 | 72,6 |

PF 2 68 240 040

537988

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 and 037
- For butterfly valves \geq DN350, please choose flange adaptor no. 53 79 88
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07

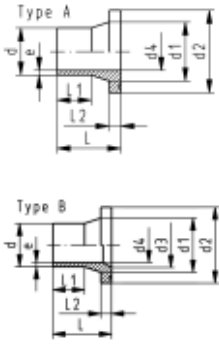
*** Type B with chamfer**



| d [mm] | DN [mm] | Code | GP | kg |
|--------|---------|-------------|----|--------|
| * 250 | 250 | 753 798 851 | 5 | 2.315 |
| * 280 | 250 | 753 798 852 | 5 | 2.165 |
| * 315 | 300 | 753 798 853 | 6 | 3.080 |
| * 355 | 350 | 753 798 854 | 4 | 4.155 |
| * 400 | 400 | 753 798 855 | 2 | 6.050 |
| 450 | 500 | 753 798 856 | 14 | 9.960 |
| 500 | 500 | 753 798 857 | 14 | 9.865 |
| 560 | 600 | 753 798 858 | 9 | 14.875 |
| 630 | 600 | 753 798 859 | 9 | 12.515 |
| 710 | 700 | 753 798 860 | 9 | 15.878 |
| 800 | 800 | 753 798 861 | 9 | 20.948 |
| 900 | 900 | 753 798 862 | 9 | 29.183 |
| 1000 | 1000 | 753 798 863 | 9 | 36.209 |

| d [mm] | DN [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|--------|---------|---------|---------|---------|---------|--------|---------|---------|--------|
| * 250 | 250 | 285 | 320 | 245 | 220 | 121 | 61 | 25 | 14,8 |
| * 280 | 250 | 291 | 320 | 265 | 246 | 119 | 69 | 25 | 16,6 |
| * 315 | 300 | 335 | 370 | 300 | 277 | 164 | 86 | 25 | 18,7 |
| * 355 | 350 | 373 | 430 | 340 | 312 | 180 | 100 | 30 | 21,1 |
| * 400 | 400 | 427 | 482 | 385 | 352 | 197 | 110 | 33 | 23,7 |
| 450 | 500 | 514 | 585 | | 396 | 141 | 64 | 46 | 26,7 |

table continued next page



| d [mm] | DN [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] |
|--------|---------|---------|---------|---------|---------|--------|---------|---------|--------|
| 500 | 500 | 530 | 585 | | 440 | 141 | 67 | 46 | 29,7 |
| 560 | 600 | 615 | 685 | | 493 | 142 | 60 | 50 | 33,2 |
| 630 | 600 | 642 | 685 | | 555 | 144 | 71 | 50 | 37,4 |
| 710 | 700 | 737 | 800 | | 626 | 120 | 20 | 50 | 42,1 |
| 800 | 800 | 840 | 905 | | 705 | 120 | 18 | 52 | 47,4 |
| 900 | 900 | 944 | 1005 | | 793 | 140 | 15 | 55 | 53,3 |
| 1000 | 1000 | 1047 | 1110 | | 881 | 140 | 10 | 60 | 59,3 |

PF 2 68 240 040



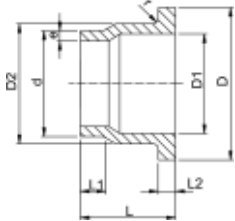
Outlet Flange Adaptor, PE80 SDR11

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 | GP | kg | D [mm] | D1 [mm] | D2 [mm] | L [mm] | L1 [mm] | L2 [mm] | e [mm] | r [mm] |
|--------|---------|-------------|----|-------|--------|---------|---------|--------|---------|---------|--------|--------|
| 40 | 32 | 733 808 034 | - | 0.064 | 80 | 37 | 50 | 64 | 30 | 11 | 3,7 | 3 |
| 50 | 40 | 733 808 035 | - | 0.088 | 90 | 43 | 61 | 67 | 30 | 12 | 4,6 | 3 |
| 63 | 50 | 733 808 036 | - | 0.126 | 105 | 54 | 76 | 74 | 30 | 14 | 5,8 | 4 |
| 75 | 65 | 733 808 037 | - | 0.187 | 125 | 70 | 90 | 78 | 30 | 16 | 6,8 | 4 |
| 90 | 80 | 733 808 038 | - | 0.346 | 140 | 82 | 108 | 87 | 35 | 17 | 8,2 | 4 |
| 110 | 100 | 733 808 039 | - | 0.500 | 160 | 105 | 131 | 102 | 41 | 18 | 10,0 | 4 |
| 140 | 125 | 733 808 041 | - | 0.710 | 190 | 130 | 165 | 124 | 47 | 25 | 12,7 | 4 |
| 160 | 150 | 733 808 042 | - | 0.910 | 215 | 158 | 188 | 149 | 52 | 25 | 14,6 | 4 |
| 225 | 200 | 733 808 045 | - | 1.830 | 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 |

PF 2 68 240 010



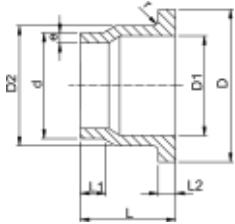
Outlet Flange Adaptor, PE80 SDR17,6

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 | GP | 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 | - | 0.096 | 105 | 54 | 76 | 74 | 30 | 14 | 3,6 | 4 |
| 75 | 65 | 733 808 012 | - | 0.170 | 125 | 70 | 90 | 78 | 30 | 16 | 4,3 | 4 |
| 90 | 80 | 733 808 013 | - | 0.260 | 140 | 82 | 108 | 87 | 35 | 17 | 5,1 | 4 |
| 110 | 100 | 733 808 014 | - | 0.355 | 160 | 105 | 131 | 102 | 41 | 18 | 6,3 | 4 |
| 140 | 125 | 733 808 016 | - | 0.500 | 190 | 130 | 165 | 124 | 47 | 18 | 8,0 | 4 |
| 160 | 150 | 733 808 017 | - | 0.630 | 215 | 158 | 188 | 149 | 52 | 18 | 9,1 | 4 |
| 225 | 200 | 733 808 020 | - | 1.225 | 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 |

PF 2 68 240 024

Flange

27 70 02
27 70 03

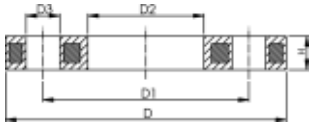
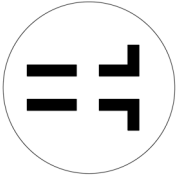
Backing Flanges, PP/Steel for Butt Fusion Systems metric



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 | 0.220 | 95 | 65 | 28 | 14 | 12 | 4 | M12 |
| 25 | 20 | 16 | 727 700 207 | 0.260 | 105 | 75 | 34 | 14 | 12 | 4 | M12 |
| 32 | 25 | 16 | 727 700 208 | 0.430 | 115 | 85 | 42 | 14 | 16 | 4 | M12 |
| 40 | 32 | 16 | 727 700 209 | 0.650 | 140 | 100 | 51 | 18 | 16 | 4 | M16 |
| 50 | 40 | 16 | 727 700 210 | 0.820 | 150 | 110 | 62 | 18 | 20 | 4 | M16 |
| 63 | 50 | 16 | 727 700 211 | 0.940 | 165 | 125 | 78 | 18 | 20 | 4 | M16 |
| 75 | 65 | 16 | 727 700 212 | 1.300 | 185 | 145 | 92 | 18 | 20 | 4 | M16 |
| 90 | 80 | 16 | 727 700 313 | 1.400 | 200 | 160 | 108 | 18 | 20 | 8 | M16 |
| 110 | 100 | 16 | 727 700 314 | 1.580 | 220 | 180 | 128 | 18 | 20 | 8 | M16 |
| 125 | 100 | 16 | 727 700 315 | 1.550 | 220 | 180 | 135 | 18 | 20 | 8 | M16 |
| 140 | 125 | 16 | 727 700 316 | 2.360 | 250 | 210 | 158 | 18 | 24 | 8 | M16 |
| 160 | 150 | 16 | 727 700 317 | 3.890 | 285 | 240 | 178 | 22 | 24 | 8 | M20 |
| 180 | 150 | 16 | 727 700 318 | 3.410 | 285 | 240 | 188 | 22 | 24 | 8 | M20 |
| 200 | 200 | 16 | 727 700 319 | 5.180 | 340 | 295 | 235 | 22 | 27 | 8 | M20 |
| 225 | 200 | 16 | 727 700 320 | 5.150 | 340 | 295 | 238 | 22 | 27 | 8 | M20 |
| 250 | 250 | 16 | 727 700 321 | 6.680 | 395 | 350 | 288 | 22 | 30 | 12 | M20 |
| 280 | 250 | 16 | 727 700 322 | 6.580 | 395 | 350 | 294 | 22 | 30 | 12 | M20 |
| 315 | 300 | 16 | 727 700 323 | 8.420 | 445 | 400 | 338 | 22 | 34 | 12 | M20 |
| 355 | 350 | 16 | 727 700 324 | 15.790 | 515 | 460 | 376 | 22 | 40 | 16 | M20 |
| 400 | 400 | 16 | 727 700 325 | 19.320 | 574 | 515 | 430 | 26 | 40 | 16 | M24 |

PF 2 34 238 022

24 70 04

Profiled Backing Flanges, PP/Steel for Butt Fusion Systems metric



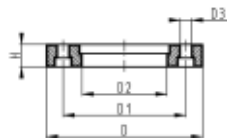
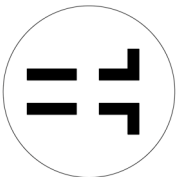
Model:

- 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

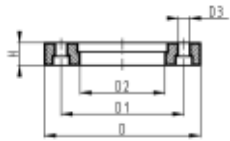
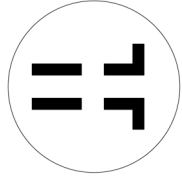
AL: number of holes



| 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 | 24.300 | 685 | 620 | 533 | 26 | 54 | 20 | M24 |
| 560 | 600 | 10 | 724 700 428 | 35.700 | 796 | 725 | 618 | 30 | 64 | 20 | M27 |
| 630 | 600 | 10 | 724 700 429 | 32.500 | 800 | 725 | 645 | 30 | 58 | 20 | M27 |

PF 2 55 337 003

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 | 3.720 | 344 | 295 | 235 | 22 | 28 | 12 | M20 |
| 225 | 200 | 16 | 724 700 320 | 3.320 | 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 | 16.300 | 521 | 470 | 376 | 26 | 50 | 16 | M24 |
| 400 | 400 | 16 | 724 700 325 | 20.600 | 582 | 525 | 430 | 30 | 54 | 16 | M27 |

PF 2 55 337 003

53 70 06



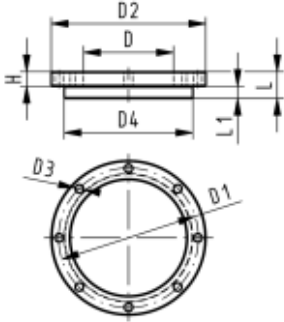
Blanking Flange Set, PE Combined Jointing face flat and serrated metric

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 Code | kg | D [mm] | D1 [mm] | D2 [mm] | D3 [mm] | D4 [mm] | H [mm] | L [mm] | L1 [mm] | AL |
|-----------|------------|----|--------------------|--------|-----------|------------|------------|------------|------------|-----------|-----------|------------|----|
| 63 | 50 | 16 | 753 700 611 | 0.674 | 75 | 125 | 165 | 18 | 102 | 24 | 30 | 14 | 4 |
| 75 | 65 | 16 | 753 700 612 | 0.910 | 89 | 145 | 185 | 18 | 122 | 26 | 30 | 16 | 4 |
| 90 | 80 | 16 | 753 700 613 | 1.067 | 105 | 160 | 200 | 18 | 138 | 27 | 30 | 17 | 8 |
| 110 | 100 | 16 | 753 700 614 | 1.216 | 125 | 180 | 220 | 18 | 158 | 28 | 30 | 18 | 8 |
| 125 | 100 | 16 | 753 700 615 | 1.678 | 132 | 180 | 220 | 18 | 158 | 28 | 35 | 25 | 8 |
| 140 | 125 | 16 | 753 700 616 | 1.913 | 155 | 210 | 250 | 18 | 188 | 30 | 40 | 25 | 8 |
| 160 | 150 | 16 | 753 700 617 | 2.352 | 175 | 240 | 285 | 22 | 212 | 32 | 40 | 25 | 8 |
| 180 | 150 | 16 | 753 700 618 | 2.430 | 180 | 240 | 285 | 22 | 212 | 32 | 45 | 30 | 8 |
| 200 | 200 | 16 | 753 700 619 | 3.495 | 232 | 295 | 340 | 22 | 268 | 34 | 50 | 32 | 8 |
| 225 | 200 | 16 | 753 700 620 | 3.744 | 235 | 295 | 340 | 22 | 268 | 34 | 50 | 32 | 8 |
| 250 | 250 | 16 | 753 700 621 | 5.558 | 285 | 350 | 395 | 22 | 320 | 38 | 55 | 35 | 12 |
| 280 | 250 | 16 | 753 700 622 | 19.957 | 291 | 350 | 395 | 22 | 320 | 38 | 60 | 35 | 12 |
| 315 | 300 | 16 | 753 700 623 | 24.569 | 335 | 400 | 445 | 22 | 370 | 42 | 65 | 35 | 12 |
| 355 | 350 | 16 | 753 700 624 | 23.198 | 373 | 460 | 515 | 22 | 430 | 40 | 70 | 40 | 16 |
| 400 | 400 | 16 | 753 700 625 | 30.766 | 427 | 515 | 574 | 26 | 482 | 40 | 75 | 46 | 16 |
| 450 | 500 | 10 | 753 700 626 | 44.271 | 510 | 620 | 684 | 26 | 585 | 49 | 80 | 60 | 20 |
| 500 | 500 | 10 | 753 700 627 | 47.165 | 530 | 620 | 684 | 26 | 585 | 49 | 90 | 60 | 20 |
| 560 | 600 | 10 | 753 700 628 | 67.147 | 615 | 725 | 796 | 30 | 685 | 58 | 100 | 60 | 20 |
| 630 | 600 | 10 | 753 700 629 | 68.574 | 642 | 725 | 796 | 30 | 685 | 68 | 110 | 60 | 20 |

PF 2 34 238 038

EPDM 48 40 03

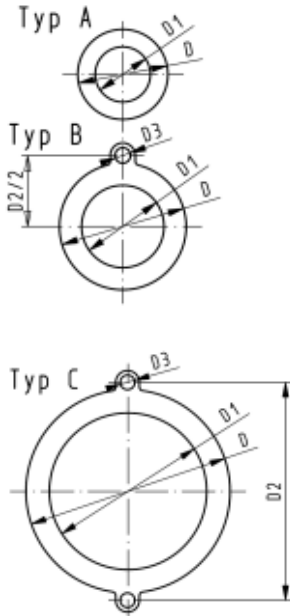


Flat gasket EPDM

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

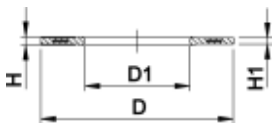
di FA are the suitable inner diameters of flange adaptors



| 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 | 0.005 | 46 | 16 | | | 2 | 6 - 26 |
| 20 | 15 | 10 | A | 748 400 306 | 0.010 | 51 | 20 | | | 2 | 10 - 30 |
| 25 | 20 | 10 | A | 748 400 307 | 0.020 | 61 | 25 | | | 2 | 15 - 35 |
| 32 | 25 | 10 | A | 748 400 308 | 0.025 | 71 | 32 | | | 2 | 22 - 42 |
| 40 | 32 | 10 | A | 748 400 309 | 0.030 | 82 | 40 | | | 3 | 30 - 50 |
| 50 | 40 | 10 | A | 748 400 310 | 0.035 | 92 | 50 | | | 3 | 40 - 60 |
| 63 | 50 | 10 | A | 748 400 311 | 0.040 | 107 | 63 | | | 3 | 53 - 73 |
| 75 | 65 | 10 | A | 748 400 312 | 0.045 | 127 | 71 | | | 3 | 61 - 81 |
| 90 | 80 | 10 | A | 748 400 313 | 0.050 | 142 | 84 | | | 3 | 74 - 94 |
| 110 | 100 | 10 | B | 748 400 314 | 0.032 | 162 | 104 | 180 | 18 | 4 | 94 - 114 |
| 125 | 100 | 10 | B | 748 400 315 | 0.058 | 162 | 119 | 180 | 18 | 4 | 109 - 129 |
| 140 | 125 | 10 | B | 748 400 316 | 0.062 | 192 | 134 | 210 | 18 | 4 | 124 - 144 |
| 160 / 180 | 150 | 10 | B | 748 400 317 | 0.068 | 218 | 155 | 241 | 22 | 4 | 145 - 165 |
| 200 | 200 | 6 | C | 748 400 319 | 0.075 | 273 | 195 | 295 | 22 | 5 | 185 - 205 |
| 225 | 200 | 6 | C | 748 400 320 | 0.079 | 273 | 216 | 295 | 22 | 5 | 206 - 226 |
| 250 | 250 | 6 | C | 748 400 321 | 0.103 | 328 | 250 | 350 | 22 | 5 | 240 - 260 |
| 280 | 250 | 6 | C | 748 400 322 | 0.150 | 328 | 273 | 350 | 22 | 5 | 263 - 283 |
| 315 | 300 | 6 | C | 748 400 323 | 0.230 | 378 | 305 | 400 | 22 | 5 | 295 - 315 |

PF 2 30 162 003

45 44 07



Profile flange gasket Metric NBR/DUO

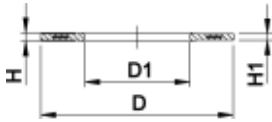
Model:

- 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 | 0.008 | 51 | 20 | 4 | 3 | 10 - 20 |
| 25 | 20 | 16 | 745 440 707 | 0.011 | 61 | 22 | 4 | 3 | 12 - 22 |
| 32 | 25 | 16 | 745 440 708 | 0.014 | 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 | 0.022 | 92 | 46 | 4 | 3 | 36 - 46 |
| 63 | 50 | 16 | 745 440 711 | 0.041 | 107 | 58 | 5 | 4 | 48 - 58 |
| 75 | 65 | 16 | 745 440 712 | 0.055 | 127 | 69 | 5 | 4 | 59 - 69 |
| 90 | 80 | 16 | 745 440 713 | 0.062 | 142 | 84 | 5 | 4 | 73 - 84 |
| 110 | 100 | 16 | 745 440 714 | 0.085 | 162 | 104 | 6 | 5 | 94 - 104 |
| 125 | 100 | 16 | 745 440 715 | 0.158 | 162 | 123 | 6 | 5 | 113 - 123 |
| 140 | 125 | 16 | 745 440 716 | 0.118 | 192 | 137 | 6 | 5 | 127 - 137 |
| 160 / 180 | 150 | 16 | 745 440 717 | 0.153 | 218 | 160 | 8 | 6 | 150 - 160 |
| 200 | 200 | 16 | 745 440 719 | 0.263 | 273 | 203 | 8 | 6 | 192 - 203 |
| 225 | 200 | 16 | 745 440 720 | 0.181 | 273 | 220 | 8 | 6 | 207 - 220 |
| 250 | 250 | 16 | 745 440 721 | 0.410 | 328 | 252 | 8 | 6 | 238 - 252 |
| 280 | 250 | 16 | 745 440 722 | 0.226 | 328 | 274 | 8 | 6 | 264 - 274 |
| 315 | 300 | 16 | 745 440 723 | 0.334 | 378 | 306 | 8 | 6 | 296 - 306 |

table continued next page



PF 2 55 338 003

| d [mm] | DN [mm] | PN | NBR/DUO Code | kg | D [mm] | D1 [mm] | H [mm] | H1 [mm] | di FA [mm] |
|-----------|------------|----|--------------------|-------|-----------|------------|-----------|------------|---------------|
| 355 | 350 | 16 | 745 440 724 | 0.410 | 438 | 355 | 10 | 7 | 340 - 355 |
| 400 | 400 | 16 | 745 440 725 | 0.513 | 489 | 400 | 10 | 7 | 385 - 400 |
| 450 | 500 | 16 | 745 440 726 | 0.718 | 594 | 403 | 10 | 7 | 393 - 403 |
| 500 | 500 | 16 | 745 440 727 | 0.718 | 594 | 447 | 10 | 7 | 437 - 447 |
| 560 | 600 | 16 | 745 440 728 | 0.923 | 695 | 494 | 10 | 7 | 484 - 494 |
| 630 | 600 | 16 | 745 440 729 | 0.923 | 695 | 555 | 10 | 7 | 545 - 555 |



Hydrants

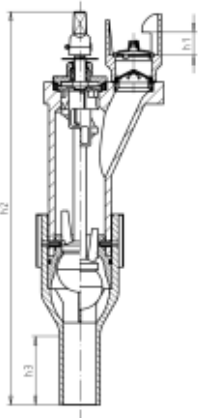


Hydrants

Hydrant



- PE-Hydrant
- PE 100 SDR 11 (ISO S5)
- Underground hydrant
- 16 bar Water
- PE spigot d90 mm SDR11
- For pipe covers according to DIN 3221
- Polystyrene drainage element available under 193.281.465



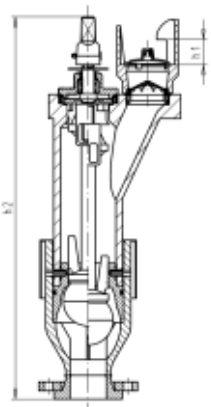
PF 2 51 697 001

| d [mm] | Code | GP | kg | RD [m] | H1 [mm] | H2 [mm] | H3 [mm] |
|--------|-------------|----|--------|--------|---------|---------|---------|
| 90 | 193 281 200 | 1 | 18.500 | 1.00 | 50 | 881 | 150 |
| 90 | 193 281 201 | 1 | 19.800 | 1.25 | 50 | 1131 | 150 |
| 90 | 193 281 202 | 1 | 21.000 | 1.50 | 50 | 1381 | 150 |

Hydrant



- Underground hydrant
- PE-Hydrant
- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- PP/steel loose flange acc. DIN 2501
- For pipe covers according to DIN 3221
- Polystyrene drainage element available under 193.281.465



PF 2 51 697 001

| DN [mm] | Code | GP | kg | RD [m] | H1 [mm] | H2 [mm] |
|---------|-------------|----|--------|--------|---------|---------|
| 80 | 193 281 300 | 1 | 20.500 | 1.00 | 50 | 774 |
| 80 | 193 281 301 | 1 | 21.800 | 1.25 | 50 | 1024 |
| 80 | 193 281 302 | 1 | 23.100 | 1.50 | 50 | 1274 |



Hydrant Kit for lateral shifted connection

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Flange dimensions according to DIN 2501/BS 4504
- For pipe covers according to DIN 3221
- Kit consists of:
 - ELGEF Plus Branch Fitting
 - ELGEF Plus MMN-Duckfoot Bend d90
 - PE-Flange adaptor d90 SDR 11
 - PP-V Backing flange d90 DN 80
 - Flange seal NBR DN 80

| d [mm] | DN [mm] | Code | GP | kg |
|-----------|------------|--------------------|----|-------|
| 110 | 80 | 193 281 214 | 1 | 3.751 |
| 125 | 80 | 193 281 215 | 1 | 3.811 |
| 160 | 80 | 193 281 217 | 1 | 4.121 |
| 180 | 80 | 193 281 218 | 1 | 4.391 |

PF 2 51 697 002



Hydrant Kit for direct connection

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- For pipe covers according to DIN 3221
- Flange dimensions according to DIN 2501/BS 4504
- Kit consists of:
 - ELGEF Plus Branch Fitting
 - PE-flange adaptor d90 SDR 11
 - PP-V Backing flange d90 DN 80
 - Flange seal NBR DN 80

| d [mm] | DN [mm] | Code | GP | kg |
|-----------|------------|--------------------|----|-------|
| 110 | 80 | 193 281 204 | 1 | 2.141 |
| 125 | 80 | 193 281 205 | 1 | 2.201 |
| 160 | 80 | 193 281 207 | 1 | 2.511 |
| 180 | 80 | 193 281 208 | 1 | 2.781 |

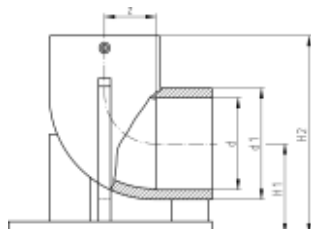
PF 2 51 697 002



Duckfoot Bend MMN - Piece

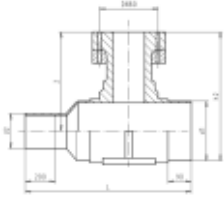


- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- Fitted with welded base plate for a better stability
- 4 mm pin connectors
- Limited path fusion indicators
- For pipe covers according to DIN 3221



| d [mm] | Code | GP | kg | d1 [mm] | H1 [mm] | H2 [mm] |
|-----------|--------------------|----|-------|------------|------------|------------|
| 90 | 193 281 102 | 1 | 1.610 | 113 | 95 | 205 |
| 110 | 193 281 103 | 1 | 2.490 | 136 | 109 | 240 |

PF 2 51 697 002

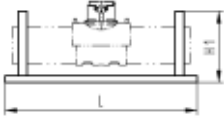


Duckfoot Bend (Kit) EN - piece

- PE 100 SDR 11 (ISO S5)
- 16 bar Water
- With flange outlet DN 80 and integrated service outlet d63
- Delivered with ELGEF® Plus Coupler
- For pipe covers according to DIN 3221
- Flange dimensions according to DIN 2501/BS 4504
- O-ring seal at flange front side
- Backing flange material GGG40

PF 2 51 697 002

| d [mm] | Code | GP | kg | d1 [mm] | H1 [mm] | H2 [mm] | L [mm] | DN [mm] |
|-----------|--------------------|----|-------|------------|------------|------------|-----------|------------|
| 90 | 193 281 147 | 1 | 7.330 | 63 | 205 | 275 | 690 | 80 |
| 110 | 193 281 148 | 1 | 6.450 | 63 | 205 | 275 | 690 | 80 |

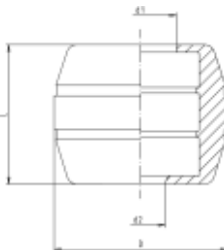
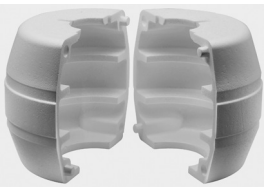


Pipe Support

- PE
- For mainlines d 90 up to d 160
- Rubber coated bearing surface
- Delivered with fixation belts

PF 2 51 697 002

| d [mm] | Code | GP | kg | L [mm] | H1 [mm] |
|-----------|--------------------|----|-------|-----------|------------|
| 90 - 160 | 193 281 105 | 1 | 2.480 | 435 | 160 |



Drainage stone for PE-Hydrant

- Suitable for spigot and flange edition
- Consists of 2 polystyrene half-shells
- Fits exactly onto hydrants' shape
- Self-locking feature
- Groves for tape fit
- Volumetric capacity 8.5 l
- Drain away slots underside

PF 2 51 697 002

| L [mm] | D [mm] | Code | GP | kg | d1 [mm] | d2 [mm] |
|-----------|-----------|--------------------|----|-------|------------|------------|
| 275 | 342 | 193 281 465 | - | 0.175 | 140 | 96 |



PRIMOFIT®

PRIMOFIT®

Steel x PE, galvanised

PRIMOFIT is a compression fitting which offers full end load capability. Additionally it bears a misalignment of the connected pipes up to 3° per compression joint. Transition Coupling according to EN 10284 for connection of galvanised steel pipes with measurements according to ISO 65 with polyethylene pipes according to EN 1555-2 (Gas) and EN 12201-2 (Water), with material PE 100 or PE 80.

Please pay attention to the different wall thicknesses of the PE pipe!

Pipe Specification

| | PE, EN 12201-2/Water | | | PE, EN 1555-2/Gas | | Steel/ISO 65 | |
|------------|----------------------|-----------|-----------|-------------------|-----------|----------------|-----------|
| SDR | 7,4 | 11 | 17,6(17) | 11 | 17,6 | - | |
| S | 3,2 | 5 | 8,3 | 5 | 8,3 | - | |
| Da [mm] | s [mm] | s [mm] | s [mm] | s [mm] | s [mm] | Dim. [inch] | D [mm] |
| 20 | 3,0 | 2,0 | - | 3,0 | 2,3 | ½ | 21,3 |
| 25 | 3,5 | 2,3 | 2,0(2,0) | 3,0* | 2,3 | ¾ | 26,9 |
| 32 | 4,4 | 3,0 | 2,0(2,0) | 3,0* | 2,3 | 1 | 33,7 |
| 40 | 5,5 | 3,7 | 2,3(2,4) | 3,7 | 2,3 | 1 ¼ | 42,4 |
| 50 | 6,9 | 4,6 | 2,9(3,0) | 4,6 | 2,9 | 1 ½ | 48,3 |
| 63 | 8,6 | 5,8 | 3,6(3,8) | 5,8 | 3,6 | 2 | 60,3 |

Da/s ... nominal outer diameter/ wall thickness of the PE pipe

D ... nominal outer diameter of the steel pipe

* For Da 25 and 32 s=2,0mm are allowed for existing pipe services <0,1 bar.

Important

Scope of delivery includes the stiffener.

To choose the correct coupling, please pay attention to the wall thickness given in the assortment-tables together with the pipe diameter.

Applications

For the different applications please refer to the individual appropriate International, European or National Application Standards.

The max. operating pressure is depending upon PE pipe specification and local regulations!

| Seal | Medium | max. working pressure | max. working temperature |
|------|-----------------|-----------------------|--------------------------|
| NBR | Gas* Water** | 5 bar 16 bar | 40°C 40°C |
| EPDM | Potable Water | 16 bar | 40°C |
| FPM | Fuels*** | 10 bar | 40°C |

* LP Gas (not permitted in all countries with PE) and Natural Gas.

Steel – PE joints are not allowed for in-house (natural) gas installation; please refer to the FIREJOINT products, the fire resistant version of PRIMOFIT.

** EN 12502 part 3 gives indication for the applicability of hot dip galvanised iron materials for specific water conditions.

*** Unleaded and leaded petrol and diesel.

Materials

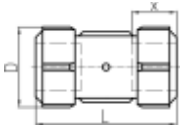
Malleable cast iron EN-GJMW-400-5 acc. to EN 1562, sealing materials as above.
Corrosion protection by hot dip galvanising according to EN 10284.

Please refer to the technical section for details regarding: pipe specification, fitting instruction, applications and approvals.

PRIMOFIT



Coupling, short, galvanised equal, for ISO 65 Steel pipe to PE SDR 7,4/S 3,2



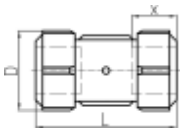
PF 1 27 140 011

| Dim. St [inch] | Dim. PE [mm] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] | x1 [mm] | |
|-------------------|-----------------|--------------------|----|-------|-----------|-----------|-----------|------------|--|
| 1/2 | 20 x 3,0 | 775 102 701 | 20 | 0.378 | 45 | 85 | 30 - 34 | 31 - 33 | |
| 3/4 | 25 x 3,5 | 775 102 702 | 5 | 0.403 | 51 | 89 | 30 - 34 | 31 - 33 | |
| 1 | 32 x 4,4 | 775 102 703 | 15 | 0.632 | 59 | 95 | 30 - 34 | 31 - 33 | |
| 1 1/4 | 40 x 5,5 | 775 102 704 | 10 | 0.760 | 68 | 96 | 30 - 36 | 32 - 38 | |
| 1 1/2 | 50 x 6,9 | 775 102 705 | 5 | 0.900 | 75 | 103 | 32 - 38 | 35 - 43 | |
| 2 | 63 x 8,6 | 775 102 706 | 5 | 1.680 | 96 | 113 | 36 - 42 | 39 - 47 | |



Coupling, short, galvanised equal, for ISO 65 Steel pipe to PE SDR 11/S 5

*** according to EN 1555-2



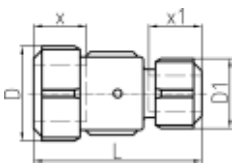
PF 1 27 140 011

| | Dim. St [inch] | Dim. PE [mm] | NBR Code | EPDM Code | FPM Code | GP | kg | |
|-----|-------------------|-----------------|--------------------|--------------------|-------------|----|----|--|
| *** | 1/2 | 20 x 2,0 | 775 102 501 | 775 106 503 | | | | |
| | 3/4 | 25 x 2,3 | 775 102 502 | | | | | |
| | 3/4 | 25 x 3,0 | 775 102 442 | | | | | |
| | 1 | 32 x 3,0 | 775 102 503 | | | | | |
| | 1 1/4 | 40 x 3,7 | 775 102 504 | | | | | |
| | 1 1/2 | 50 x 4,6 | 775 102 505 | | | | | |
| | 2 | 63 x 5,8 | 775 102 506 | | | | | |

| | Dim. St [inch] | Dim. PE [mm] | D [mm] | L [mm] | x [mm] | x1 [mm] |
|-----|-------------------|-----------------|-----------|-----------|-----------|------------|
| *** | 1/2 | 20 x 2,0 | 45 | 85 | 30 - 34 | 31 - 33 |
| | 3/4 | 25 x 2,3 | 51 | 89 | 30 - 34 | 31 - 33 |
| | 3/4 | 25 x 3,0 | 51 | 89 | 30 - 34 | 31 - 33 |
| | 1 | 32 x 3,0 | 59 | 95 | 30 - 34 | 31 - 33 |
| | 1 1/4 | 40 x 3,7 | 68 | 96 | 30 - 36 | 32 - 38 |
| | 1 1/2 | 50 x 4,6 | 75 | 103 | 32 - 38 | 35 - 43 |
| | 2 | 63 x 5,8 | 96 | 113 | 36 - 42 | 39 - 47 |



Coupling, short, galvanised reducing, for ISO 65 Steel pipe to PE SDR 11/S 5



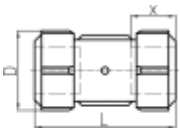
PF 1 27 140 010

| Dim. St [inch] | Dim. PE [mm] | NBR Code | GP | kg | D [mm] | D1 [mm] | L [mm] | x [mm] | x1 [mm] | |
|-------------------|-----------------|--------------------|----|-------|-----------|------------|-----------|-----------|------------|--|
| 1/2 | 25 x 2,3 | 775 102 526 | 20 | 0.328 | 45 | 51 | 90 | 30 - 34 | 31 - 33 | |
| 3/4 | 32 x 3,0 | 775 102 531 | 10 | 0.540 | 51 | 59 | 97 | 30 - 34 | 31 - 33 | |
| 1 | 40 x 3,7 | 775 102 535 | 5 | 0.740 | 59 | 68 | 97 | 30 - 34 | 32 - 38 | |
| 1 1/4 | 32 x 3,0 | 775 102 516 | 15 | 0.700 | 68 | 59 | 98 | 30 - 36 | 31 - 33 | |
| 1 1/4 | 50 x 4,6 | 775 102 538 | 5 | 0.757 | 68 | 75 | 100 | 30 - 36 | 35 - 43 | |
| 1 1/2 | 40 x 3,7 | 775 102 520 | 5 | 0.860 | 75 | 68 | 97 | 32 - 38 | 32 - 38 | |
| 1 1/2 | 63 x 5,8 | 775 102 540 | 5 | 1.540 | 75 | 96 | 112 | 32 - 38 | 39 - 47 | |
| 2 | 50 x 4,6 | 775 102 525 | 5 | 1.440 | 96 | 75 | 112 | 36 - 42 | 35 - 43 | |



Coupling, short, galvanized equal, for ISO 65 Steel pipe to PE SDR 17,6/S 8,3

*** according to EN 1555-2

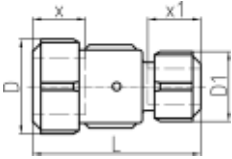


| | Dim. St [inch] | Dim. PE [mm] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] | x1 [mm] | |
|-----|-------------------|-----------------|-------------|----|-------|-----------|-----------|-----------|------------|--|
| *** | 3/4 | 25 x 2,0 | 775 102 602 | 20 | 0.403 | 51 | 89 | 30 - 34 | 31 - 33 | |
| | 3/4 | 25 x 2,3 | 775 102 452 | 20 | 0.462 | 51 | 89 | 30 - 34 | 31 - 33 | |
| | 1 | 32 x 2,0 | 775 102 603 | 15 | 0.644 | 59 | 95 | 30 - 34 | 31 - 33 | |
| *** | 1 | 32 x 2,3 | 775 102 453 | 15 | 0.644 | 59 | 95 | 30 - 34 | 31 - 33 | |
| | 1 1/4 | 40 x 2,3 | 775 102 604 | 10 | 0.770 | 68 | 96 | 30 - 36 | 32 - 38 | |
| | 1 1/2 | 50 x 2,9 | 775 102 605 | 5 | 0.900 | 75 | 103 | 32 - 38 | 35 - 43 | |
| | 2 | 63 x 3,6 | 775 102 606 | 5 | 1.836 | 96 | 113 | 36 - 42 | 39 - 47 | |

PF 1 27 140 777



Coupling, short, galvanized reducing, for ISO 65 Steel pipe to PE SDR 17,6/S 8,3



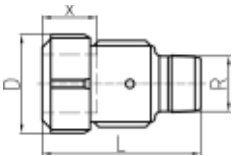
| | Dim. St [inch] | Dim. PE [mm] | NBR Code | GP | kg | D [mm] | D1 [mm] | L [mm] | x [mm] | x1 [mm] | |
|--|-------------------|-----------------|-------------|----|-------|-----------|------------|-----------|-----------|------------|--|
| | 1 | 25 x 2,0 | 775 102 613 | 20 | 0.469 | 59 | 51 | 96 | 30 - 34 | 31 - 33 | |

PF 1 27 140 777



Male Adaptor, galvanized for PE SDR 11/S 5 to R/ISO 7

*** according to EN 1555-2

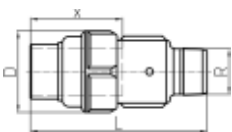


| | Dim. PE [mm] | Dim. R [inch] | NBR Code | FPM Code | GP | kg | D [mm] | L [mm] | x [mm] | |
|---------|-----------------|------------------|-------------|-------------|----|-------|-----------|-----------|-----------|--|
| ** * | 20 x 2,0 | 1/2 | 775 202 201 | | 20 | 0.260 | 45 | 73 | 31 - 33 | |
| | 25 x 2,3 | 3/4 | 775 202 202 | | 20 | 0.300 | 51 | 79 | 31 - 33 | |
| | 25 x 3,0 | 3/4 | 775 202 442 | | 20 | 0.300 | 51 | 79 | 31 - 33 | |
| | 32 x 3,0 | 1 | 775 202 203 | 775 208 203 | 10 | 0.422 | 59 | 89 | 31 - 33 | |
| | 40 x 3,7 | 1 1/4 | 775 202 204 | | 5 | 0.600 | 68 | 92 | 32 - 38 | |
| | 50 x 4,6 | 1 1/2 | 775 202 205 | 775 208 205 | 5 | 0.729 | 75 | 96 | 35 - 43 | |
| | 63 x 5,8 | 2 | 775 202 206 | 775 208 206 | 5 | 0.997 | 96 | 106 | 39 - 47 | |

PF 1 27 140 210



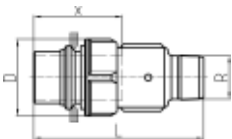
Male Adaptor with GRP Sleeving Nut, galvanized for PE SDR 11/S 5 to R/ISO 7



| | Dim. PE [mm] | Dim. R [inch] | NBR Code | D [mm] | L [mm] | x [mm] | |
|--|-----------------|------------------|-------------|-----------|-----------|-----------|--|
| | 20 x 2,0 | 1/2 | 775 222 101 | 45 | 109 | 68 | |
| | 25 x 2,3 | 3/4 | 775 222 102 | 51 | 123 | 76 | |
| | 32 x 3,0 | 1 | 775 222 103 | 59 | 124 | 67 | |



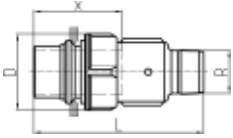
Boss Male Adaptor with GRP Sleeving Nut + fixing clip, galvanized for PE SDR 11/S 5 to R/ISO 7



| | Dim. PE [mm] | Dim. R [inch] | NBR Code | D [mm] | L [mm] | x [mm] | |
|--|-----------------|------------------|-------------|-----------|-----------|-----------|--|
| | 25 x 2,3 | 3/4 | 775 262 202 | 51 | 123 | 76 | |



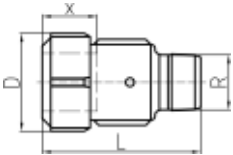
Male Adaptor with GRP Sleeving Nut + fixing clip, galvanised for PE SDR 11/S 5 to R/ISO 7



| Dim. PE [mm] | Dim. R [inch] | NBR Code | D [mm] | L [mm] | x [mm] |
|--------------|---------------|-------------|--------|--------|--------|
| 20 x 2,0 | 1/2 | 775 232 201 | 45 | 109 | 68 |
| 25 x 2,3 | 3/4 | 775 232 202 | 51 | 123 | 76 |
| 32 x 3,0 | 1 | 775 232 203 | 59 | 124 | 67 |



Male Adaptor without insert stiffener, galvanised for PE pipe to R/ISO 7

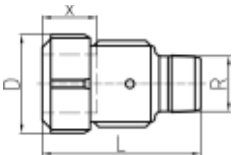


| Dim. PE [mm] | Dim. R [inch] | NBR Code | D [mm] | L [mm] | x [mm] |
|--------------|---------------|-------------|--------|--------|---------|
| 20 x 2,0 | 1/2 | 775 202 771 | 45 | 73 | 31 - 33 |
| 25 x 2,3 | 3/4 | 775 202 772 | 51 | 79 | 31 - 33 |
| 32 x 3,0 | 1 | 775 202 773 | 59 | 89 | 31 - 33 |
| 40 x 3,7 | 1 1/4 | 775 202 774 | 68 | 92 | 32 - 38 |
| 50 x 4,6 | 1 1/2 | 775 202 775 | 75 | 96 | 35 - 43 |
| 63 x 5,8 | 2 | 775 202 776 | | | |



Male Adaptor, galvanised for PE SDR 17,6/S 8,3 to R/ISO 7

*** according to EN 1555-2



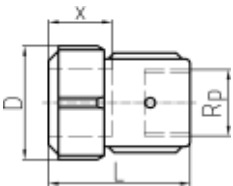
| | Dim. PE [mm] | Dim. R [inch] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] |
|-----|--------------|---------------|-------------|----|-------|--------|--------|---------|
| *** | 25 x 2,0 | 3/4 | 775 202 602 | 20 | 0.295 | 51 | 79 | 31 - 33 |
| | 25 x 2,3 | 3/4 | 775 202 452 | 20 | 0.295 | 51 | 79 | 31 - 33 |
| | 32 x 2,0 | 1 | 775 202 603 | 10 | 0.460 | 59 | 89 | 31 - 33 |
| *** | 32 x 2,3 | 1 | 775 202 453 | 10 | 0.460 | 59 | 89 | 31 - 33 |
| *** | 40 x 2,3 | 1 1/4 | 775 202 454 | 5 | 0.600 | 68 | 92 | 32 - 38 |
| *** | 50 x 2,9 | 1 1/2 | 775 202 455 | 5 | 0.760 | 75 | 96 | 35 - 43 |
| *** | 63 x 3,6 | 2 | 775 202 456 | 5 | 1.343 | 96 | 106 | 39 - 47 |

PF 1 27 140 210



Female Adaptor, galvanised for PE SDR 11/S 5 to Rp/ISO 7

*** according to EN 1555-2

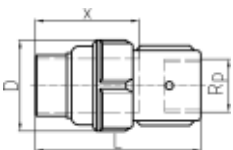


| | Dim. PE [mm] | Dim. Rp [inch] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] |
|----|--------------|----------------|-------------|----|-------|--------|--------|---------|
| ** | 20 x 2,0 | 1/2 | 775 212 201 | 30 | 0.227 | 45 | 58 | 31 - 33 |
| | 25 x 2,3 | 3/4 | 775 212 202 | 20 | 0.300 | 51 | 62 | 31 - 33 |
| * | 25 x 3,0 | 3/4 | 775 212 442 | 20 | 0.300 | 51 | 62 | 31 - 33 |
| | 32 x 3,0 | 1 | 775 212 203 | 10 | 0.400 | 59 | 68 | 31 - 33 |
| | 40 x 3,7 | 1 1/4 | 775 212 204 | 5 | 0.560 | 68 | 70 | 32 - 38 |
| | 50 x 4,6 | 1 1/2 | 775 212 205 | 5 | 0.700 | 75 | 75 | 35 - 43 |
| | 63 x 5,8 | 2 | 775 212 206 | 5 | 1.308 | 96 | 83 | 39 - 47 |

PF 1 27 140 310



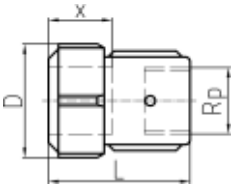
Female Adaptor with GRP Sleeving Nut, galvanised equal, for PE SDR 11/S 5 to Rp/ISO 7



| Dim. PE [mm] | Dim. Rp [inch] | NBR Code | D [mm] | L [mm] | x [mm] |
|--------------|----------------|-------------|--------|--------|--------|
| 25 x 2,3 | 3/4 | 775 322 102 | 51 | 98 | 76 |
| 32 x 3,0 | 1 | 775 322 103 | 59 | 112 | 67 |



Female Adapter without insert stiffener, galvanised for PE pipe to Rp/ISO 7

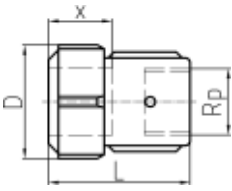


| Dim. PE [mm] | Dim. Rp [inch] | NBR Code | D [mm] | L [mm] | x [mm] |
|--------------|----------------|-------------|--------|--------|---------|
| 20 x 2,0 | ½ | 775 212 771 | 45 | 58 | 31 - 33 |
| 25 x 2,3 | ¾ | 775 212 772 | 51 | 62 | 31 - 33 |
| 32 x 3,0 | 1 | 775 212 773 | 59 | 68 | 31 - 33 |
| 40 x 3,7 | 1 ¼ | 775 212 774 | 68 | 70 | 32 - 38 |
| 50 x 4,6 | 1 ½ | 775 212 775 | 75 | 75 | 35 - 43 |
| 63 x 5,8 | 2 | 775 212 776 | 96 | 83 | 39 - 47 |



Female Adaptor, galvanised for PE SDR 17,6/S 8,3 to Rp/ISO 7

*** according to EN 1555-2



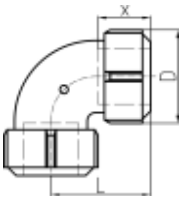
| | Dim. PE [mm] | Dim. Rp [inch] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] |
|-----|--------------|----------------|-------------|----|-------|--------|--------|---------|
| *** | 25 x 2,3 | ¾ | 775 212 452 | 20 | 0.300 | 51 | 63 | 30 - 34 |
| *** | 32 x 2,3 | 1 | 775 212 453 | 10 | 0.400 | 59 | 68 | 30 - 34 |
| *** | 40 x 2,3 | 1 ¼ | 775 212 454 | 5 | 0.560 | 68 | 70 | 32 - 38 |
| *** | 50 x 2,9 | 1 ½ | 775 212 455 | 5 | 0.700 | 75 | 75 | 35 - 43 |
| *** | 63 x 3,6 | 2 | 775 212 456 | 5 | 1.308 | 96 | 83 | 39 - 47 |

PF 1 27 140 011



Elbow, galvanised for ISO 65 Steel pipe to PE SDR 11/S 5

*** according to EN 1555-2

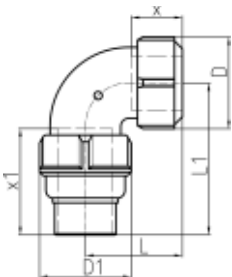


| | Dim. St [inch] | Dim. PE [mm] | NBR Code | FPM Code | GP | kg | D [mm] | L [mm] | x [mm] | x1 [mm] |
|----|----------------|--------------|-------------|-------------|----|-------|--------|--------|---------|---------|
| ** | ¾ | 25 x 2,3 | 775 402 502 | | 10 | 0.460 | 51 | 59 | 30 - 34 | 31 - 33 |
| * | ¾ | 25 x 3,0 | 775 402 442 | | 10 | 0.460 | 51 | 59 | 30 - 34 | 31 - 33 |
| | 1 | 32 x 3,0 | 775 402 503 | | 10 | 0.660 | 59 | 59 | 30 - 34 | 31 - 33 |
| | 1 ¼ | 40 x 3,7 | 775 402 504 | | 5 | 0.889 | 68 | 59 | 30 - 36 | 32 - 38 |
| | 1 ½ | 50 x 4,6 | 775 402 505 | | 5 | 1.140 | 75 | 78 | 32 - 38 | 35 - 43 |
| | 2 | 63 x 5,8 | 775 402 506 | 775 408 506 | | | 96 | 75 | 36 - 42 | 39 - 47 |

PF 1 27 140 410



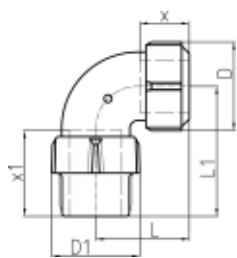
Elbow with GRP Sleaving Nut, galvanised for ISO 65 Steel pipe to PE SDR 11/S 5



| Dim. St [inch] | Dim. PE [mm] | NBR Code | D [mm] | L [mm] | x [mm] | x1 [mm] |
|----------------|--------------|-------------|--------|--------|---------|---------|
| ¾ | 25 x 2,3 | 775 412 152 | 51 | 103 | 30 - 34 | 76 |
| 1 | 32 x 3,0 | 775 412 153 | 59 | 94 | 30 - 34 | 67 |



Elbow with Anti-Shear-Nut, galvanised for ISO 65 Steel pipe to PE SDR 11/S 5

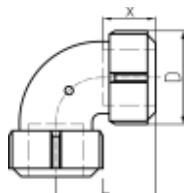


| Dim. St [inch] | Dim. PE [mm] | NBR Code | D [mm] | L [mm] | x [mm] | x1 [mm] |
|-------------------|-----------------|--------------------|-----------|-----------|-----------|------------|
| 3/4 | 25 x 2,3 | 775 412 752 | 51 | 83 | 30 - 34 | 56 |



Elbow, galvanised for ISO 65 Steel pipe to PE SDR 17,6/S 8,3

*** according to EN 1555-2

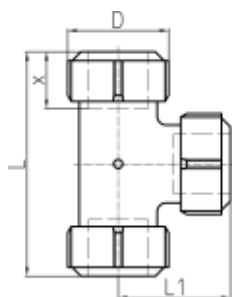


| | Dim. St [inch] | Dim. PE [mm] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] | x1 [mm] |
|-----|-------------------|-----------------|--------------------|----|-------|-----------|-----------|-----------|------------|
| *** | 1 | 32 x 2,3 | 775 402 453 | 10 | 0.660 | 59 | 59 | 30 - 34 | 31 - 33 |
| *** | 1 1/4 | 40 x 2,3 | 775 402 454 | 5 | 0.889 | 68 | 59 | 30 - 36 | 32 - 38 |
| *** | 1 1/2 | 50 x 2,9 | 775 402 455 | 5 | 1.140 | 75 | 78 | 32 - 38 | 35 - 43 |
| *** | 2 | 63 x 3,6 | 775 402 456 | 5 | 1.615 | 96 | 75 | 36 - 42 | 39 - 47 |

PF 1 27 140 410



Tee, galvanised for ISO 65 Steel pipe to PE SDR 11/S 5

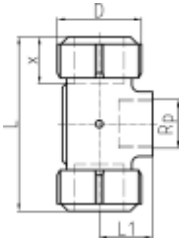


| Dim. St [inch] | Dim. PE [mm] | FPM Code | GP | kg | D [mm] | L [mm] | L1 [mm] | x [mm] | x1 [mm] |
|-------------------|-----------------|--------------------|----|-------|-----------|-----------|------------|-----------|------------|
| 2 | 63 x 5,8 | 775 308 226 | 5 | 2.240 | 96 | 166 | 83 | 39 - 47 | 36 - 42 |



Threaded Outlet Tee, galvanised for PE SDR 11/S 5 to Rp/ISO 7

| Dim. PE [mm] | Dim. Rp [inch] | NBR Code | FPM Code | GP | kg | D [mm] | L [mm] | L1 [mm] | x [mm] |
|----------------------|-------------------|-------------|-------------|--------|----------------|-----------|------------|------------|--------------------|
| 32 x 3,0 63 x 5,8 | 1 2 | 775 312 203 | 775 318 206 | 5 - | 0.718 2.000 | 59 96 | 112 155 | 38 62 | 31 - 33 39 - 47 |



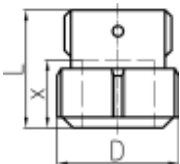
PF 1 27 140 610



Cap, galvanised for PE SDR 11/S 5

*** according to EN 1555-2

| | Dim. PE [mm] | NBR Code | GP | kg | D [mm] | L [mm] | x [mm] |
|----|-----------------|-------------|----|-------|-----------|-----------|-----------|
| ** | 20 x 2,0 | 775 452 201 | 30 | 0.200 | 45 | 46 | 31 - 33 |
| * | 25 x 2,3 | 775 452 202 | 30 | 0.240 | 51 | 48 | 31 - 33 |
| * | 25 x 3,0 | 775 452 442 | 30 | 0.240 | 51 | 48 | 31 - 33 |
| | 32 x 3,0 | 775 452 203 | 15 | 0.329 | 59 | 52 | 31 - 33 |
| | 40 x 3,7 | 775 452 204 | 10 | 0.492 | 68 | 53 | 32 - 38 |
| | 50 x 4,6 | 775 452 205 | 10 | 0.620 | 75 | 57 | 35 - 43 |
| | 63 x 5,8 | 775 452 206 | 5 | 1.140 | 96 | 60 | 39 - 47 |



PF 1 27 140 713



Insert Stiffener for PE SDR 17,6/S 8,3

*** according to EN 1555-2

| | Dim. PE [mm] | Code | GP | kg |
|----|-----------------|-------------|----|-------|
| ** | 25 x 2,0 | 775 950 302 | 50 | 0.040 |
| * | 25 x 2,3 | 780 888 925 | - | 0.010 |
| ** | 32 x 2,0 | 775 950 303 | 50 | 0.053 |
| * | 32 x 2,3 | 780 925 551 | - | 0.053 |
| | 40 x 2,3 | 775 950 354 | 25 | 0.044 |
| | 50 x 2,9 | 775 950 255 | 25 | 0.061 |
| | 63 x 3,6 | 775 950 256 | 25 | 0.186 |

PF 1 27 140 083

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Consistent and Solution Oriented in Gas and Water Supply



ELGEF Plus

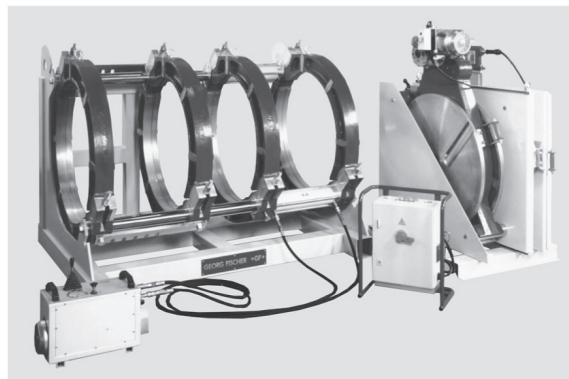
The modularity of this system renders ELGEF Plus a very convincing electrofusion system for Georg Fischer PE pressure piping.



POLY 16 Plus

AN

POLY 16 Plus and AN compression fittings from Georg Fischer Alprene – the safe, detachable connection with an active sealing system consisting of thrust ring and double lip gasket.



Butt Fusion Machines

Georg Fischer Pipe Jointing Technology provides a comprehensive range of hydraulic-controlled, on-site fusion machines.



MULTI/JOINT

With Georg Fischer WAGA and MULTI/JOINT you always have the right product for a restraint or flexible connection for a variety of pipe materials.



PRIMOFIT

Georg Fischer Castings has a complete range of metal compression fittings on offer. The PRIMOFIT fitting is a robust way of connecting plastic and metal pipes in gas and water supply.

Introduction

Training

Invest in the training of your employees

Qualified personnel is one of the key factors for the success of a company.

Only skilled employees with the appropriate know-how and customer focus are reliable partners.



We offer you an interesting training experience

GF Piping Systems, as a professional system and solution provider, offers you training courses with a focus on products, applications, sales arguments and different customer requirements.

The jointing technologies, as well as measurement and control technology are increasingly innovative. To stay up-to-date, you need continuing education.

GF Piping Systems contributes essentially to your know-how. No matter what your expert field may be – utilities, building technology or industrial applications – you can benefit from the training courses, which are adapted to the different market segments and applications.

We offer a customised programme for salespersonnel and occupational groups like installers, planners and constructors. Besides the theory, we attach great importance to hands-on practice. Our rooms are especially equipped for practical training. They are suitable for simultaneous training of up to 100 persons under ideal conditions.

For the choice of trainers, we work closely with our sales staff. There are Basic, Advanced and Master Courses covering the full spectrum of issues. More information about our current training program:

<http://www.piping.georgfischer.com>



General Condition of Supply of Georg Fischer Piping Systems Limited, Schaffhausen

1 General

- 1.1 These General Conditions shall apply to all Products supplied by Georg Fischer to the Purchaser. They shall also apply to all future business even when no express reference is made to them.
- 1.2 Any deviating or supplementary conditions especially Purchaser's general conditions of purchase and verbal agreements shall only be applicable if accepted in writing by Georg Fischer.
- 1.3 The written form shall be deemed to be fulfilled by all forms of transmission, evidenced in the form of text, such as telefax, e-mail, etc.

2 Tenders

- 2.1 Tenders shall only be binding if they contain a specifically stated period for acceptance.

3 Scope of Delivery

- 3.1 Georg Fischer's product range is subject to change.
- 3.2 The confirmation of order shall govern the scope and execution of the contract.

4 Data and Documents

- 4.1 Technical documents such as drawings, descriptions, illustrations and data on dimensions, performance and weight as well as the reference to standards are for information purposes only. They are not warranted characteristics and are subject to change.
- 4.2 All technical documents shall remain the exclusive property of Georg Fischer and may only be used for the agreed purposes or as Georg Fischer may consent.

5 Confidentiality, Protection of Personal Data

- 5.1 Each party shall keep in strict confidence all commercial or technical information relating to the business of the other party, of which it has gained knowledge in the course of its dealing with the other party. Such information shall neither be disclosed to third parties nor used for other purposes than those for which the information has been supplied.
- 5.2 In the context of the contractual relation with the Purchaser personal data may be processed. The Purchaser agrees to the disclosure of said data to third parties such as foreign subcontractors and suppliers etc.

6 Local Laws and Regulations, Export Controls

- 6.1 The Purchaser shall bring to the attention of Georg Fischer all local laws and regulations at the place of destination which bear connection with the execution of the contract and the adherence to relevant safety regulations and approval procedures.
- 6.2 In case of re-exports, Purchaser shall be responsible for compliance with pertinent export control regulations.

7 Price

- 7.1 Unless agreed otherwise, the prices shall be deemed quoted net ex works (according to Incoterms of the ICC, latest version) including standard packing. All supplementary costs such as the cost of carriage, insurance, export-, transit- and import duties etc. shall be borne by the Purchaser. The Purchaser shall also bear the costs of all taxes, fees, duties etc. connected with the contract.
- 7.2 If the costs of packing, carriage, insurance, fees and other supplementary costs are included in the tender price or contract price or are referred to specifically in the tender or confirmation of order, Georg Fischer reserve the right to revise their prices accordingly should any change occur in the relevant tariffs.

8 Terms of Payment

- 8.1 The Purchaser shall make payment in the manner agreed by the parties without any deductions such as discounts, costs, taxes or dues.
- 8.2 The Purchaser may only withhold or off-set payments due against counter claims which are either expressly acknowledged by Georg Fischer or finally awarded to the Purchaser. In particular, payment shall still be made when unessential items are still out-standing provided that the Products already delivered are not rendered unusable as a result.

9 Retention of Title

- 9.1 The Products shall remain the property of Georg Fischer until the Purchaser shall have settled all claims, present and future, which Georg Fischer may have against him.
- 9.2 Should the Purchaser resell Products to which title is reserved, in the ordinary course of business, he shall hereby be deemed to have tacitly assigned to Georg Fischer the proceeds deriving from their sale together with all collateral rights, securities and reservations of title until all claims held by Georg Fischer shall have been settled. Until revoked by Georg Fischer, this assignment shall not preclude Purchaser's right to collect the assigned receivables.
- 9.3 To the extent the value of the Products to which title is reserved together with collateral securities exceeds Georg Fischer's claims against the Purchaser by more than 20%, Georg Fischer shall re-assign the above proceeds to Purchaser at his request.

10 Delivery

- 10.1 The term of delivery shall commence as soon as the contract has been entered into, all official formalities such as import and payment permits have been obtained and all essential technical issues have been settled. The term of delivery shall be deemed duly observed when, upon its expiry, the Products are ready for despatch.
- 10.2 Delivery is subject to the following conditions, i.e. the term of delivery shall be reasonably extended:
 - a) if Georg Fischer are not supplied in time with the information necessary for the execution of the contract or if subsequent changes causing delays are made by the Purchaser.
 - b) if Georg Fischer are prevented from performing the contract by force majeure. Force majeure shall equally be deemed to be any unforeseeable event beyond Georg Fischer's control which renders Georg Fischer's performance commercially unpractical or impossible, such as delayed or defective supplies from sub contractors labour disputes, governmental orders or regulations, shortages in materials or energy, serious disturbances in Georg Fischer's works, such as the total or partial destruction of plant and equipment or the breakdown of essential facilities, serious disruptions in transport facilities, e.g. impassable roads.
Should the effect of force majeure exceed a period of six months, either party may cancel the contract forthwith.
Georg Fischer shall not be liable for any damage or loss of any kind whatsoever resulting therefrom, any suspension or cancellation being without prejudice to Georg Fischer's right to recover all sums due in respect of consignments delivered and costs incurred to date.
 - c) if the Purchaser is in delay with the fulfilment of his obligations under the contract, in particular, if he does not adhere to the agreed conditions of payment or if he has failed to timely provide the agreed securities.
- 10.3 If for reasons attributable to Georg Fischer the agreed term of delivery or a reasonable extension thereof is exceeded, Georg Fischer shall not be deemed in default until the Purchaser has granted to Georg Fischer in writing a reasonable extension thereof of not less than one month which equally is not met.
The Purchaser shall then be entitled to the remedies provided at law, it being however understood that, subject to limitations of Art. 16, damage claims shall be limited to max. 10% of the price of the delayed delivery.
- 10.4 Part shipments shall be allowed and Georg Fischer shall be entitled to invoice for such partial deliveries.
- 10.5 If the Purchaser fails to take delivery within a reasonable time of Products notified as ready for despatch, Georg Fischer shall be entitled to store the Products at the Purchaser's expense and risk and to invoice them as delivered. If Purchaser fails to effect payment, Georg Fischer shall be entitled to dispose of the Products.
- 10.6 Should Purchaser cancel an order without justification and should Georg Fischer not insist on the performance of the contract, Georg Fischer shall be entitled to liquidated damages in the amount of 10% of the contract price, Georg Fischer's right to prove and claim higher damages remaining reserved. Purchaser shall be entitled to prove, that Georg Fischer has suffered no or a considerably lower damage.

11 Packing

- 11.1 If the Products are provided with additional packing over and above the standard packing, such packing shall be charged additionally.

12 Passing of Risk

- 12.1 The risk in the Products shall pass to the Purchaser as soon as they have left Georg Fischer's works (EX WORKS, Incoterms ICC, latest version), even if delivery is made carriage-paid, under similar clauses or including installation or when carriage is organized and managed by Georg Fischer.
- 12.2 If delivery is delayed for reasons beyond Georg Fischer's control, the risk shall pass to the Purchaser when he is notified that the Products are ready for despatch.

13 Carriage and Insurance

- 13.1 Unless agreed otherwise, the Purchaser shall bear the cost of carriage.
- 13.2 The Purchaser shall be responsible for transport insurance against damage of whatever kind. Even when such insurance is arranged by Georg Fischer it shall be deemed taken out by the order of and for the account of the Purchaser and at his risk.
- 13.3 Special requests regarding carriage and insurance shall be communicated to Georg Fischer in due time. Otherwise carriage shall be arranged by Georg Fischer at their discretion, but without responsibility, by the quickest and cheapest method possible.
In case of carriage-paid delivery transport arrangements shall be made by Georg Fischer. If the Purchaser specifies particular requirements, any extra costs involved shall be borne by him.
- 13.4 In the event of damage or loss of the Products during carriage the Purchaser shall mark the delivery documents accordingly and immediately have the damage ascertained by the carrier. Not readily ascertainable damages sustained during carriage shall be notified to the carrier within six days after receipt of the Products.

14 Inspection, Notification of Defects and Damages

- 14.1 The Products will be subject to normal inspection by Georg Fischer during manufacture. Additional tests required by the Purchaser shall be agreed upon in writing and shall be charged to the Purchaser.
- 14.2 It shall be a condition of Georg Fischer's obligation under the warranties stated hereinafter that Georg Fischer be notified in writing by the Purchaser of any purported defect immediately upon discovery. Notice concerning weight, numbers or apparent defects is to be given latest within 30 days from receipt of the Products, notice of other defects immediately latest within 7 working days after discovery, in any event within the agreed warranty period.
- 14.3 Purchaser shall not dispose of allegedly defective Products until all warranty and/or damage claims are finally settled. At its request, defective Products are to be placed at Georg Fischer's disposal.
- 14.4 At its request, Georg Fischer shall be given the opportunity to inspect the defect and/or damage, prior to commencement of remedial work, either itself or by third party experts.

15 Warranty

- 15.1 At the written request of the Purchaser, Georg Fischer undertake to repair or replace at their discretion, as quickly as possible and free of charge all Products supplied which demonstrably suffer from faulty design, materials or workman-ship or from faulty operating or installation instructions.
In order to protect employees from toxic or radioactive substances which may have been transported through defective parts returned to Georg Fischer's sales organisation, said parts must be accompanied by a Material Safety Disclosure Form. The form may be obtained from Georg Fischer's local sales company or via www.piping.georgfischer.com.
Replaced parts shall become property of Georg Fischer.
- 15.2 For Products which are manufactured to specifications, drawings or patterns supplied by the Purchaser, Georg Fischer's warranty shall be restricted to proper materials and workmanship.
- 15.3 The Purchaser shall be entitled to cancel the contract or to demand a reduction in the contract price if also a second attempt to repair or replace the Products has failed.
- 15.4 For Products or essential components manufactured by a third party and supplied by Georg Fischer under this contract, Georg Fischer's warranty is limited to the warranty provided by said third party.
- 15.5 This warranty shall not apply to damage resulting from normal wear and tear, improper storage and maintenance, failure to observe the operating instructions, overstressing or overloading, unsuitable operating media, unsuitable construction work or unsuitable building ground, improper repairs or alterations by the Purchaser or third parties, the use of other than original spare parts and other reasons beyond Georg Fischer's control.
- 15.6 No action or claim may be brought by the Purchaser on account of any alleged breach of warranty or any other obligation of Georg Fischer after the expiration of twelve (12) months from receipt of the Products by the end user or at the latest within eighteen (18) months of the Products being despatched by Georg Fischer.
- 15.7 In case of Products for use in domestic installations or in utilities
 - Georg Fischer will assume the costs of dismantling the defective Product and restoring the damaged object as well as, in case of negligence, all other direct damages caused by the defective Product (damage to property and injury to or death of persons) up to CHF 1 000 000 per occurrence.
 - the statute of limitations for warranty or damage claims - contrary to Section 15.6 - will be 5 years from the date of installation.

16 Limitation of Liability

- 16.1 All cases of breach of contract and the relevant consequences as well as all rights and claims on the part of the customer, irrespective of what ground they are based, are exhaustively covered by these general conditions of supply. In particular, any claims not expressly mentioned for damages, reduction of price, termination of or withdrawal from the contract are excluded. In no case whatsoever shall the customer be entitled to claim damages other than compensation for costs of remedying defects in the supplies. This in particular refers, but shall not be limited, to loss of production, loss of use, loss of orders, loss of profit and other direct or indirect or consequential damage. This exclusion of liability, however, does not apply to unlawful intent or gross negligence on the part of Georg Fischer and in case of strict liability under applicable product liability statutes, but does apply to unlawful intent or gross negligence of persons employed or appointed by Georg Fischer to perform any of its obligations.

17 Severability

- 17.1 Should any term or clause of these General Conditions in whole or in part be found to be unenforceable or void, all other provisions shall remain in full force and effect and the unenforceable or void provision shall be replaced by a valid provision, which comes closest to the original intention of the unenforceable or invalid provision.

18 Place of Performance and Jurisdiction

- 18.1 Place of performance for the Products shall be the Georg Fischer works from which the Products are despatched.
- 18.2 Any civil action based upon any alleged breach of this contract shall be filed and prosecuted exclusively in the courts of Schaffhausen, Switzerland.
Georg Fischer however reserves the right to file actions in any court having jurisdiction over controversies arising out of or in connection with the present contract.
- 18.3 The contract shall be governed by Swiss law without regard to conflict of law provisions that would require the application of another law.

GF Piping Systems → worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

www.piping.georgfischer.com



The technical data is not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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