

Product Range
International
2011

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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Certificate

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 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

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. Edelman, President SQS

T. Zahner, Managing Director SQS



SCESm 001



Swiss Made



ELGEF Plus APPROVALS



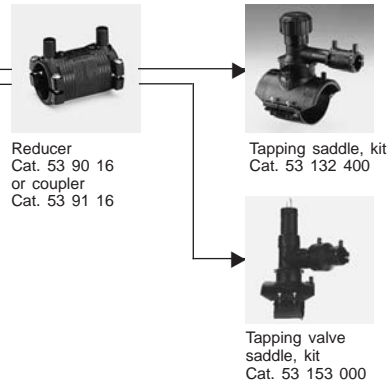
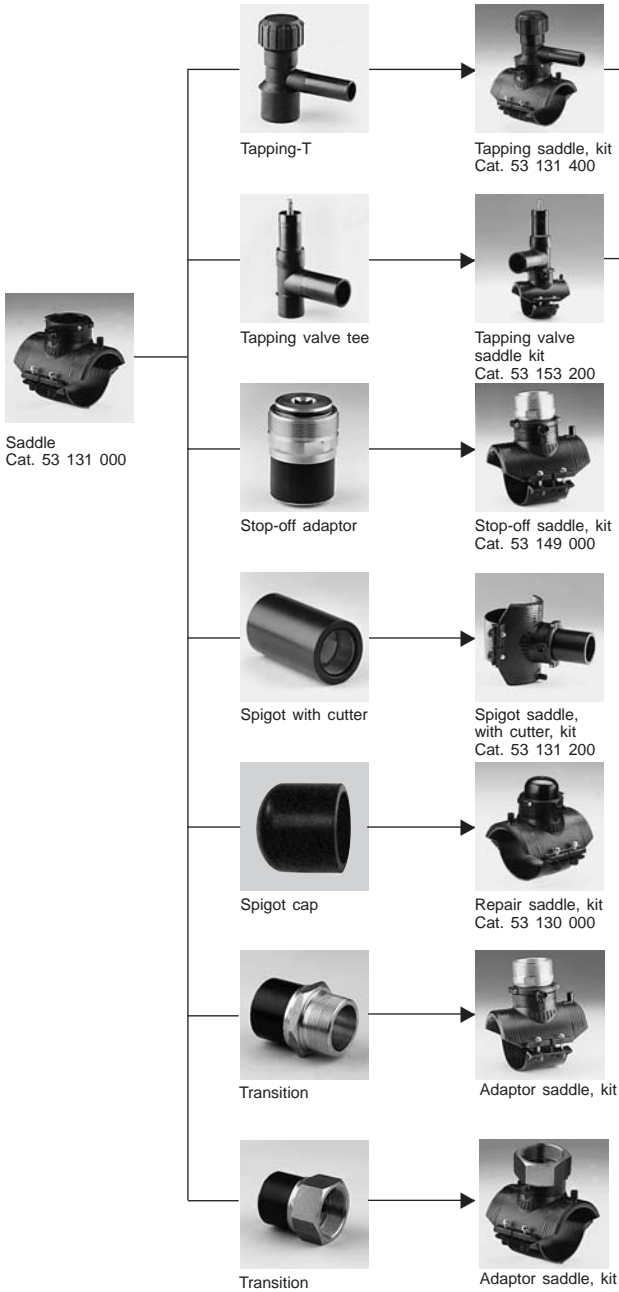
Certification body	Certificate number	Product	Material	Category
DGS	04 MAT.PA 002			nce
DGS	04 MAT.PA 010			nce
DIBt	Z-40.23-282	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
DIBt	Z-40.23-282	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
DS	1594-A	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
DVGW	DV-6611AS2072 (GF)	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
DVGW	DV-8601AQ3257 (8601)	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
DVGW	DV-8606AQ3258 (8606)	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
DVGW	DV-8611AQ3259 (8611)	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
ETI	2-8-7/58	Produit de base en acier inoxydable pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique pour l'industrie chimique et pharmaceutique		nce
GdF	2002-082/AD			nce
GdF	2002-083/AD			nce
GdF	2003-033/PH			nce
GdF	2003-034/PH			nce
GdF	2004-081/AD			nce
GdF	95/020-AD			nce
GdF	95/052-AD			nce
GdF	BTR			nce
GdF	PRISES SDG			nce

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

Modular system ELGEF® Plus

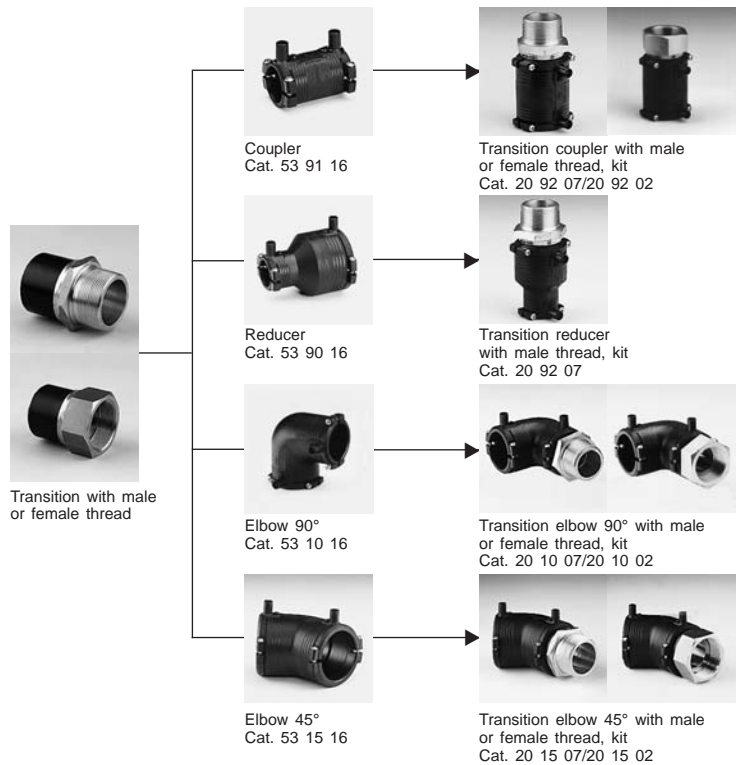
Less stock, higher flexibility, more variations – a contradiction? Not with the ELGEF Plus modular system. It is that easy:

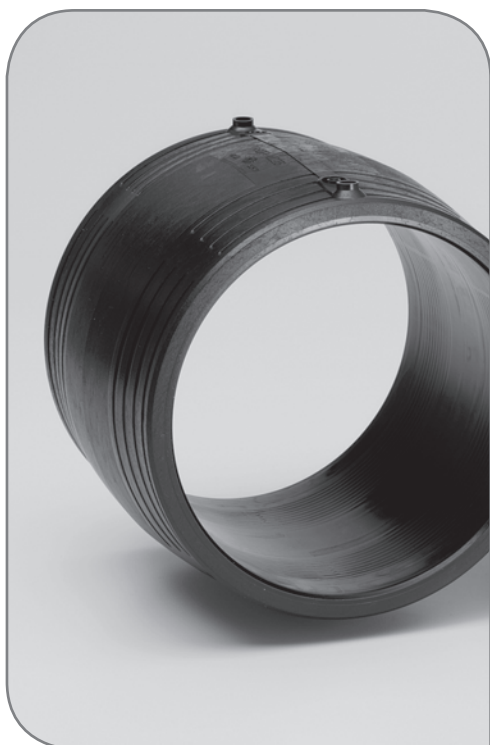
Modular System Saddles



The only programme with a modular system

Modular Transition Fitting System





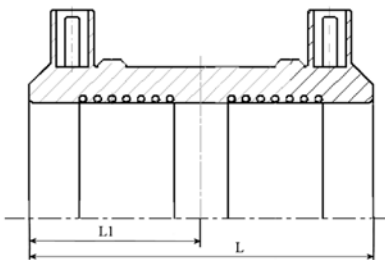
**ELGEF® Plus
Electrofusion System**

ELGEF Plus Couplers
ELGEF Plus Electrofusion fittings
ELGEF Plus Transition fittings

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

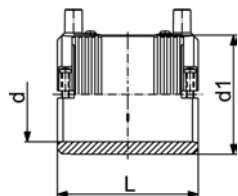
p = test pressure

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



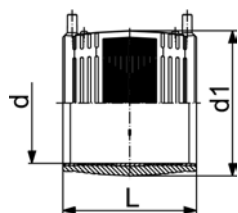
PF 2 51 312 001

Coupler With integral pipe fixation

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

d [mm]	Code	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	24	0.194	81	96

53 91 16



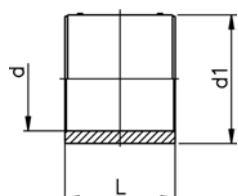
PF 2 51 312 002

Coupler

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

d [mm]	Code	GP	kg	d1 [mm]	L [mm]
75	753 911 612	12	0.287	96	110
90	753 911 613	10	0.421	113	125
110	753 911 614	5	0.697	138	145
125	753 911 615	5	0.738	154	158
140	753 911 616	5	0.968	172	168
160	753 911 617	6	1.390	196	180
180	753 911 618	5	1.750	219	194
200	753 911 619	4	2.350	244	208
225	753 911 620	3	3.193	273	224
250	753 911 621	2	4.210	304	244
280	753 911 622	1	5.675	340	252
315	753 911 623	1	8.000	382	268
355	753 911 624	1	12.110	432	290
400	753 911 625	1	15.993	487	290

53 91 18



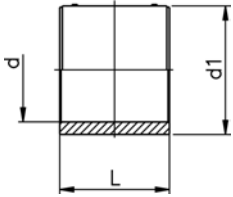
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Coupler

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

d [mm]	Code	GP	kg	d1 [mm]	L [mm]
160	753 911 817	6	1.050	186	180
180	753 911 818	6	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	304	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	22.000	579	343

53 91 18

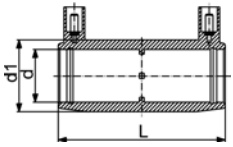


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Coupler

- 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



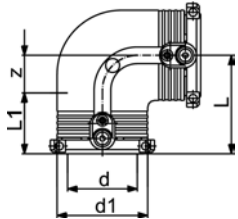
PF 2 51 312 008

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



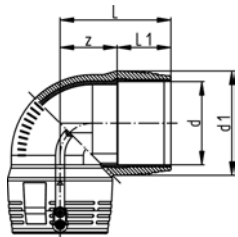
PF 2 51 314 001

Elbow 90° With integral pipe fixation

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

d [mm]	Code	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



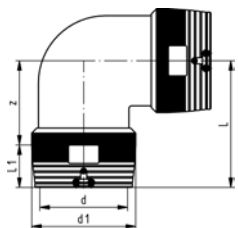
PF 2 51 314 001

Elbow 90°

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

d [mm]	Code	GP	kg	d1 [mm]	L [mm]	L1 [mm]	z [mm]
75	753 101 612	33	0.530	97	94	54	40
90	753 101 813	15	0.822	115	122	62	60
110	753 101 814	8	1.190	140	147	72	76
125	753 101 815	5	1.829	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



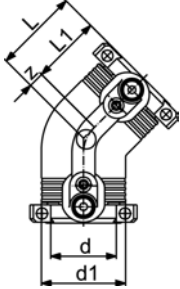
PF 2 51 314 007

Elbow 90°

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

d [mm]	Code	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



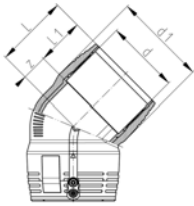
PF 2 51 314 001

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]
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



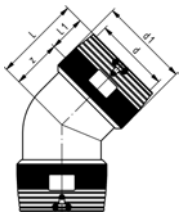
PF 2 51 314 001

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]
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	4	3.200	217	142	95	47

53 15 18



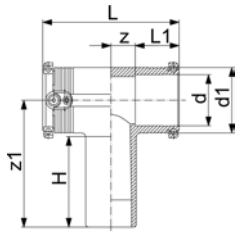
PF 2 51 314 007

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



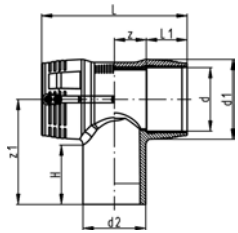
PF 2 51 314 001

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

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



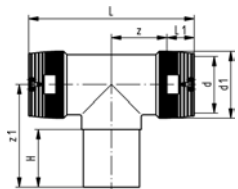
PF 2 51 314 001

Tee 90° equal

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

d [mm]	Code	GP	kg	d1 [mm]	L [mm]	L1 [mm]	z [mm]	z1 [mm]	H [mm]
75	753 211 612	26	0.597	97	178	54	35	143	87
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	2.200	161	276	78	60	207	113
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



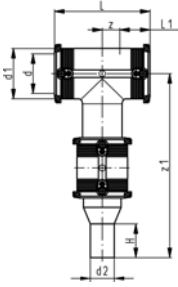
PF 2 51 314 007

Tee 90° equal

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

d [mm]	Code	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

93 28 10



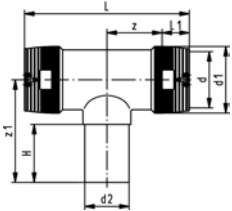
PF 2 51 314 001

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

53 21 10



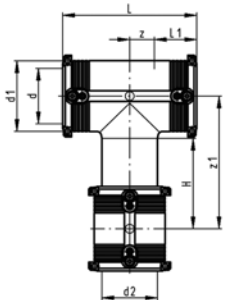
PF 2 51 314 001

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	1	11.260	305	668	123	211	245	85
250	160	753 211 083	1	11.260	305	668	123	211	264	101

53 20 16

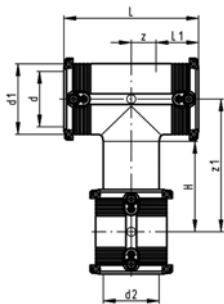


Tee 90° with weldable outlet (kit) Equal or reduced

- 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	6	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

table continued next page



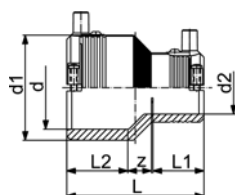
PF 2 51 314 001

d [mm]	d2 [mm]	Code	GP	kg	d1 [mm]	L [mm]	L1 [mm]	z [mm]	z1 [mm]	H [mm]
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
110	110	753 201 614	2	2.400	136	242	65	56	161	88
125	90	193 281 013	1	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	1	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	1	8.770	225	344	90	82	330	190
180	180	753 201 618	1	9.600	225	344	90	82	250	110

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



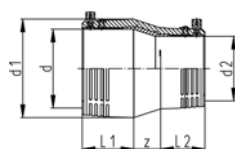
PF 2 51 314 001

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

53 90 18

Reducer

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



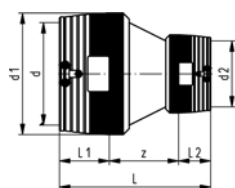
PF 2 51 314 001

d [mm]	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	0.878	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

53 90 18

Reducer

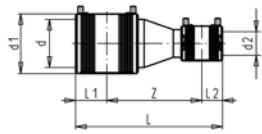
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones



PF 2 51 314 007

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

93 28 09



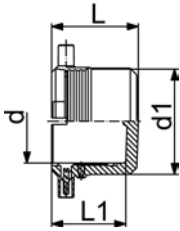
Reducer (kit)

- 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



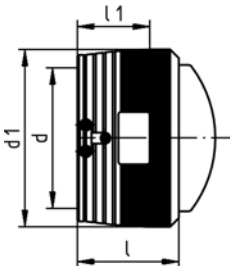
End cap With integral pipe fixation

- 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



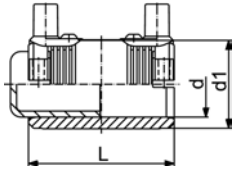
End cap

- 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



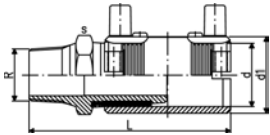
End cap (kit)

- 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	1	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

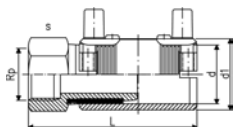
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d [mm]	R [inch]	Code	GP	kg	d1 [mm]	L [mm]	s [mm]
20	½	720 920 756	6	0.217	31	110	30
20	1	720 920 754	6	0.344	44	124	40
25	¾	720 920 757	6	0.280	36	111	35
25	1	720 920 763	6	0.364	44	124	40
32	½	720 920 764	6	0.235	44	121	30
32	¾	720 920 765	6	0.287	44	122	35
32	1	720 920 758	6	0.355	44	117	40
32	1 ¼	720 920 766	6	0.543	54	135	50
32	1 ½	720 920 767	6	0.685	60	143	60
32	2	720 920 768	3	1.000	81	157	70
40	1	720 920 771	6	0.387	54	133	40
40	1 ¼	720 920 759	6	0.541	54	127	50
40	1 ½	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 ¼	720 920 777	3	0.578	66	143	50
50	1 ½	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 ¼	720 920 782	3	0.626	81	153	40
63	1 ½	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



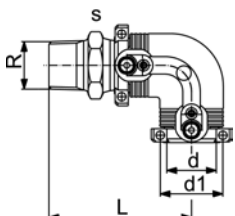
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

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



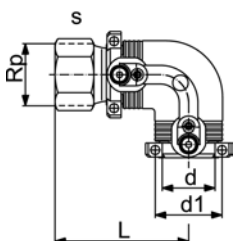
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

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

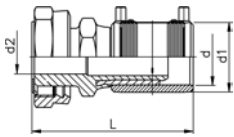


- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

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



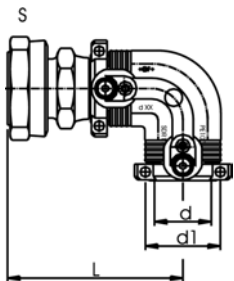
Transition coupler PE/brass (Ms 58) With loose nut

- 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	¾	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 ¼	720 910 018	6	0.460	44	22	114
32	1 ½	720 910 028	6	0.480	44	22	114
40	1	720 910 009	6	0.465	54	21	119
40	1 ¼	720 910 019	6	0.520	54	25	123
40	1 ½	720 910 029	6	0.595	54	28	123
50	1	720 910 020	6	0.685	66	20	128
50	1 ¼	720 910 030	6	0.730	66	25	133
50	1 ½	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 ¼	720 910 031	3	1.060	81	25	141
63	1 ½	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



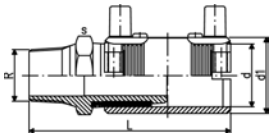
Transition elbow 90° PE/brass (Ms 58) With loose nut

- 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	¾	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 ¼	720 100 018	6	0.490	44	95
40	1	720 100 009	6	0.505	54	101
40	1 ¼	720 100 019	6	0.565	54	105
40	1 ½	720 100 029	6	0.635	54	105
50	1	720 100 020	6	0.760	66	111
50	1 ½	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 ½	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



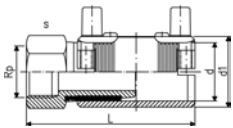
Transition coupler PE/steel (stainless 1.4305) Male thread

- 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	6	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	6	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



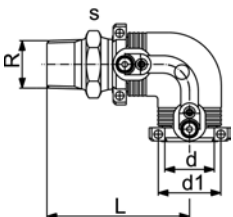
Transition coupler PE/steel (stainless 1.4305) Female thread

- 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	6	0.197	31	100	30
25	3/4	724 920 257	6	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	3	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	6	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

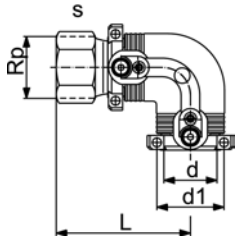
PF 2 51 314 004

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	½	724 100 256	6	0.211	31	86	30
25	¾	724 100 257	6	0.237	36	87	35
32	1	724 100 258	6	0.360	44	89	40
40	1 ¼	724 100 259	6	0.545	54	100	50
50	1 ½	724 100 260	6	0.805	66	109	60
63	2	724 100 261	3	1.135	81	123	70

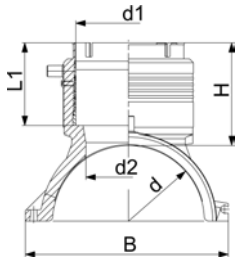


ELGEF® Plus
Electrofusion System

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



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

d [mm]	Code	kg
140	193 281 027	0.740



PF 2 51 336 001

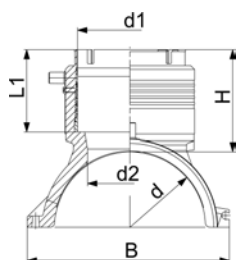
Cross Connection Branch Fitting

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

d [mm]	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



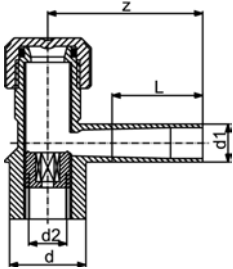
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Branch Fitting for assembling as Topload with tool 799.350.477; angle adaptors (799.350.340) for fusion cable required
- Electrofusion outlet with integrated pipe fixation
- Protected wire without medium contact
- 4 mm pin connectors
- Limited path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

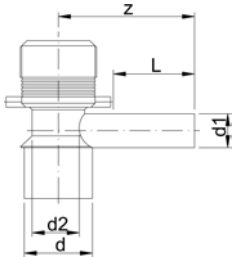


- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Long fusion outlet
- O-ring-sealed screw cap
- For ELGEF Plus Branch Saddle (53 131 000) d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle (53 131 000) d75-315mm, pipe SDR 17
- *For ELGEF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

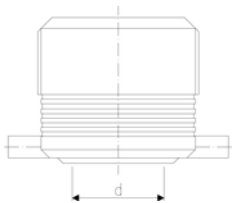


- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- For ELGEF Plus Branch Saddle (53 131 000) d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle (53 131 000) d75-315mm, pipe SDR 17
- Long fusion outlet

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

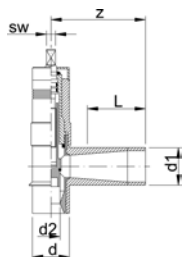
d [mm]	Code	GP	kg
55	193 280 153	10	0.125
68	193 280 154	10	0.207

PF 2 51 313 001

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



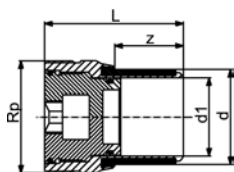
PF 2 51 313 004

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



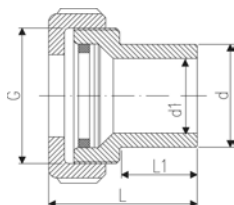
PF 2 51 313 001

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



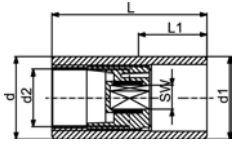
PF 2 51 313 001

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

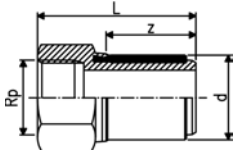
d [mm]	d1 [mm]	Code	GP	kg	d2 [mm]	L [mm]	L1 [mm]	SW [mm]
63	32	193 280 272	20	0.200	19	113	50	13
63	63	193 280 273	12	0.701	32	120	50	17

20 92 02

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

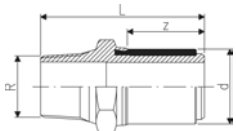
d [mm]	Rp [inch]	Code	kg	L [mm]	z [mm]
32	1	720 920 208	0.250	71	35
40	1 ¼	720 920 209	0.397	77	39
50	1 ½	720 920 210	0.589	81	43
63	1	720 920 221	1.071	89	47
63	1 ¼	720 920 231	1.027	89	47
63	1 ½	720 920 241	0.950	89	47
63	2	720 920 211	0.800	89	47

20 92 07

Transition adaptor PE/brass (Ms 58) Male thread



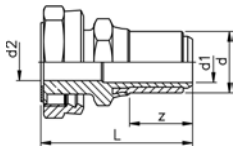
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF® Plus Couplers and Fittings



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

20 92 00



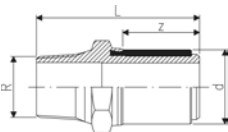
Transition adaptor PE/brass Loose nut (Ms 58)

- 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
32	1 ½	720 920 028	0.393	22	76	34
40	1	720 920 009	0.349	21	77	38
40	1 ¼	720 920 019	0.406	25	81	38
40	1 ½	720 920 029	0.480	28	81	38
50	1	720 920 020	0.532	20	82	42
50	1 ¼	720 920 030	0.577	25	87	42
50	1 ½	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 ¼	720 920 031	0.850	25	91	46
63	1 ½	720 920 041	0.862	29	91	46
63	2	720 920 011	1.025	36	95	46

PF 2 51 314 003

24 92 07



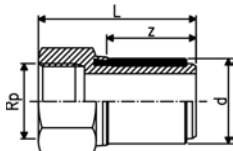
Transition adaptor PE/steel (stainless 1.4305) Male thread

- 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	½	724 920 706	0.139	75	33
25	¾	724 920 707	0.189	76	33
32	1	724 920 708	0.256	80	35
32	1 ½	724 920 718	0.400	80	35
40	1 ¼	724 920 709	0.404	86	39
40	1 ½	724 920 719	0.572	86	39
50	1 ½	724 920 710	0.502	90	43
63	1 ½	724 920 721	0.690	98	47
63	2	724 920 711	0.756	98	47

PF 2 51 314 004

24 92 02



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

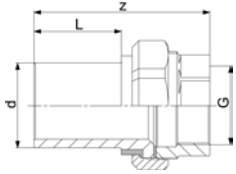
d [mm]	Rp [inch]	Code	kg	L [mm]	z [mm]
20	½	724 920 206	0.153	65	33
25	¾	724 920 207	0.195	66	33
32	1	724 920 208	0.250	71	35
40	1 ¼	724 920 209	0.388	77	39
50	1 ½	724 920 210	0.575	81	43
63	2	724 920 211	0.785	89	47

PF 2 51 314 004

Union adaptor



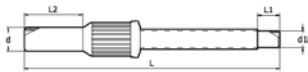
- With female thread and PE-union end
- The Code Nr. includes the entire union (galvanised)
- **PE 100 SDR 11 (ISO S5)**



PF 2 90 703 001

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

Transition fittings PE/steel

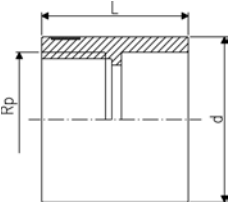


- **PE 100 SDR 11 (ISO S5)**
- 6 bar Gas / 16 bar Water
- Electrofusion weldable
- Steel pipe acc. to EN 10208-1, PE coated for corrosion resistance
- * Steel pipe without plastic shroud

d [mm]	d1 [inch]	Code	kg	d [mm]	L [mm]	L1 [mm]	L2 [mm]
* 20	1/2	775 641 502	0.500	20	427	35	41
25	3/4	775 641 507	0.640	25	462	35	41
32	1	775 641 510	0.940	32	462	35	44
40	1 1/4	775 641 514	1.200	40	470	35	49
50	1 1/2	775 641 518	1.440	50	475	35	55
63	2	775 641 524	1.930	63	480	35	63
75	2 1/2	775 641 632	2.800	75	545	35	70
90	3	775 641 636	3.700	90	562	45	79
110	3	775 641 640	3.800	110	580	45	82
110	4	775 641 641	6.600	110	580	45	82
125	4	775 641 645	6.700	125	584	45	87
160	6	775 641 655	11.300	160	607	45	98
180	6	775 641 659	11.800	180	605	45	105
200	8	775 642 664	19.100	200	615	45	112
225	8	775 642 669	19.500	225	620	45	120
250	8	775 642 665	20.500	250	640	45	129
250	10	775 642 666	30.000	250	645	45	129
280	10	775 642 673	31.000	280	637	45	139
315	12	775 642 672	47.000	315	730	45	150
355	12	775 642 675	49.000	355	732	45	164
400	16	775 642 678	94.000	400	770	45	179

PF 1 27 142 415

73 28 19



PF 2 51 313 001

PE adaptor Female thread

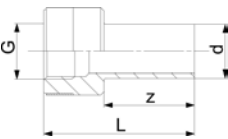
- PE 80 SDR 11 (ISO S5)
- 5 bar Gas / 12,5 bar Water
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- For ELGEF Plus Branch Saddle (753 131 000) d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- Parallel female thread
- *PE 100 SDR 11 (ISO S5)

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



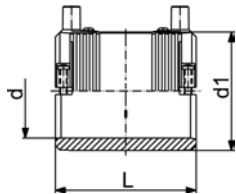
PF 2 90 703 001

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

Coupler with integrated excess flow valve type D With overflow orifice



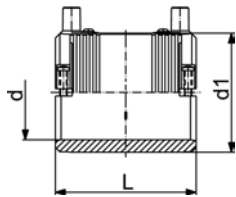
PF 2 51 314 009

- 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

Coupler with integrated excess flow valve type B With overflow orifice



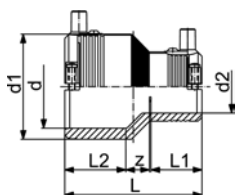
PF 2 51 314 009

- 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

Reducer with integrated excess flow valve type D With overflow orifice



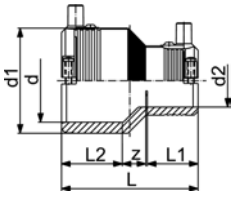
PF 2 51 314 009

- 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


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

PF 2 51 314 009

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

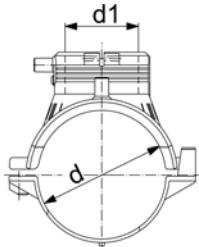
*1 Minimum cooling time for saddles in minutes

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



L = length / Länge

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

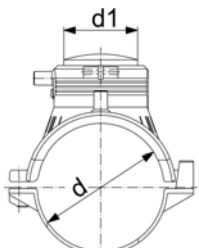
*not suitable for all tapping-tees, tapping-valves and spigots with cutter of the modular systems

** = 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	0.488	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



L = length / Länge

Repair saddle

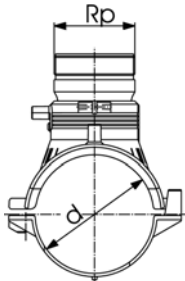
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Spigot Cap (753.961.011)
- **Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340)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



L = length / Länge

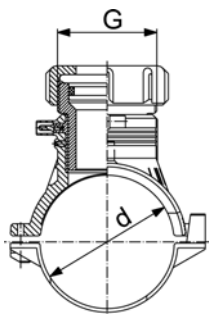
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- Stop-Off insert (brass 58) and plug
- 4 mm pin connectors
- Limited path fusion indicators
- Stop-Off insert with outside thread Rp 2 1/2" and internal thread Rp 2" suited for common tapping devices permitting "gas-tight" 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 ½	193 149 437	3	1.744	165
75	2 ½	193 149 447	3	1.900	165
90	2 ½	193 149 457	3	1.865	165
110	2 ½	193 149 467	3	1.916	165
125	2 ½	193 149 477	3	1.945	165
140	2 ½	193 149 487	3	1.945	165
160	2 ½	193 149 497	5	1.954	165
180	2 ½	193 149 507	5	2.055	165
200	2 ½	193 149 517	5	2.074	165
225	2 ½	193 149 527	5	2.062	165
250	2 ½	193 149 537	5	2.080	165
* 280	2 ½	193 149 547	5	1.550	165
* 315 - 400	2 ½	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



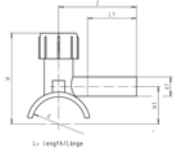
L = length / Länge

- 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 ¾	193 149 237	5	0.630	165
75	2 ¾	193 149 247	5	0.765	165
90	2 ¾	193 149 257	5	0.734	165
110	2 ¾	193 149 267	5	0.782	165
125	2 ¾	193 149 277	5	0.820	165
140	2 ¾	193 149 287	3	0.820	165
160	2 ¾	193 149 297	5	0.816	165
180	2 ¾	193 149 307	5	0.920	165
200	2 ¾	193 149 317	5	0.944	165
225	2 ¾	193 149 327	5	0.943	165
250	2 ¾	193 149 337	5	0.950	165
* 280	2 ¾	193 149 347	6	0.920	165
* 315 - 400	2 ¾	193 149 357	5	0.920	165

PF 2 51 313 001

53 131 400



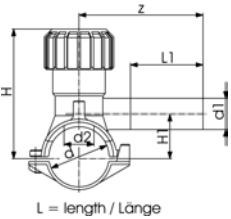
Tapping Saddle Monobloc topload

- 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

PF 2 51 313 005

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

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

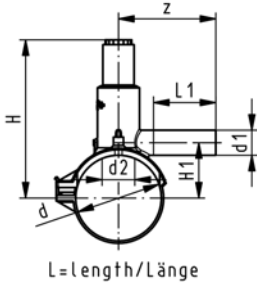
PF 2 51 313 005

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



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



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

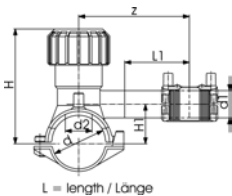
PF 2 51 313 005

53 132 400



Tapping saddle (kit) Monobloc version

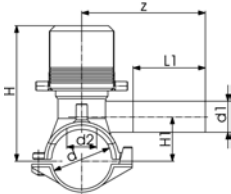
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)



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	15	0.486	25	134	44	126	70	130

PF 2 51 313 005

53 131 600



L = length / Länge

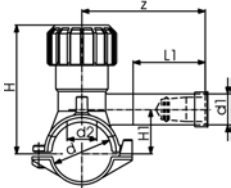
PF 2 51 313 005

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

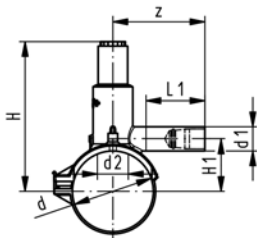
PF 2 51 313 006

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

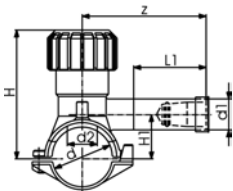
Tapping saddle with gas-stop type 1-5 bar Monobloc version

- 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

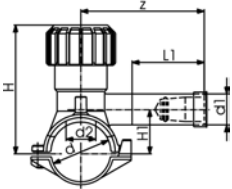
Tapping saddle with gas-stop type AD UE Monobloc version

- 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

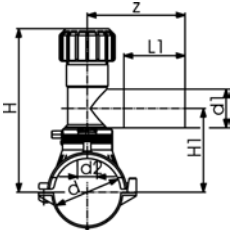
Tapping saddle with gas-stop type B UE Monobloc version

- 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 [m³/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



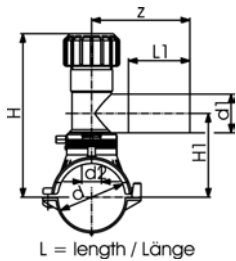
L = length / Länge

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.
- *moulded-on lower clamp
- **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	8	0.853	32	209	131	165	71	130
* 110	25	193 131 463	8	0.860	32	209	131	165	71	130
* 110	32	193 131 464	8	0.860	32	209	131	165	76	130
* 110	40	193 131 465	8	0.877	32	209	131	165	81	137
* 110	63	193 131 467	5	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

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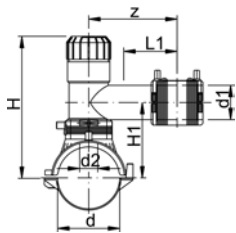


L = length / Länge

d [mm]	d1 [mm]	Code	GP	kg	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]
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
* 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

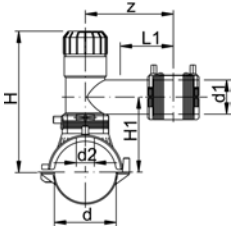


Tapping saddle (kit) With 360° rotatable outlet

- 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

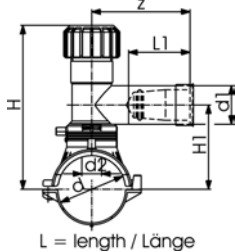
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d [mm]	d1 [mm]	Code	GP	kg	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]
90	50	193 132 456	5	1.737	32	248	126	165	100	160
90	63	193 132 457	5	1.735	32	248	126	165	100	160
110	20	193 132 462	3	0.907	32	209	131	165	76	130
110	25	193 132 463	3	0.920	32	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
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



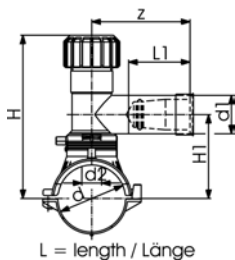
Tapping saddle with gas-stop type 1-5 bar With 360° rotatable outlet

- 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
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

PF 2 51 313 003

53 130 600

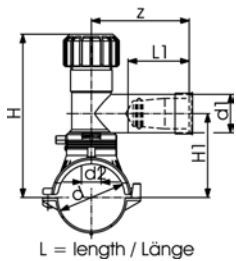


Tapping saddle with gas-stop type AD UE With 360° rotatable outlet

- 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

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	193 130 604	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

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PF 2 51 313 003

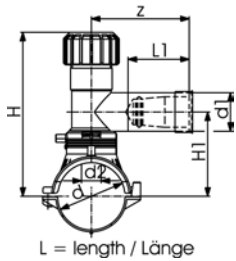
d [mm]	d1 [mm]	Code	GP	kg	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]	Vn max [m³/h]
180	63	193 130 707	3	1.843	35	293	171	165	100	160	40
200	32	193 130 714	3	1.034	32	254	176	165	76	130	10
200	63	193 130 717	3	1.862	35	303	181	165	100	160	40
225	32	193 130 724	3	1.027	32	266	188	165	76	130	10
225	63	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



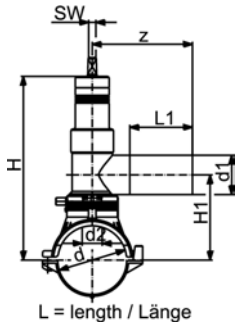
- PE 100 SDR 11 (ISO S5)
- 5 bar Gas (for pressures from 200 mbar to 5 bar)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type S (GS 32/200 UE or GS 63/200 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop 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



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 [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

53 152 200



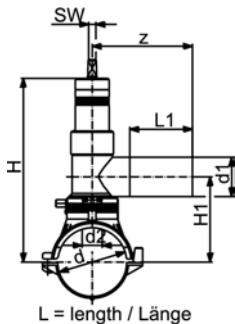
Pressure tapping valve With 360° rotatable outlet

- 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 d32
- Number of turns to fully open or close valve is 28 for outlet d63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- *moulded-on lower clamp

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	5	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	4	3.126	31	321	161	165	100	160
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

PF 2 51 313 004

53 152 300



Pressure tapping valve With 360° rotatable outlet

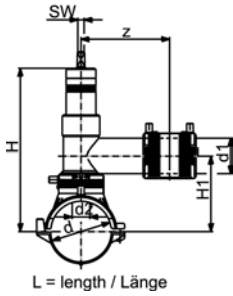
- PE 100 SDR 17 (ISO S8)
- With integrated drill bit to tap live mains under pressure
- **Suitable for pipes with wall thickness between 7 and 21 mm only.**
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Spindle size (SW) 14
- 4 mm pin connectors
- 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

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

PF 2 51 313 004

53 152 000

Pressure tapping valve (kit) With 360° rotatable outlet



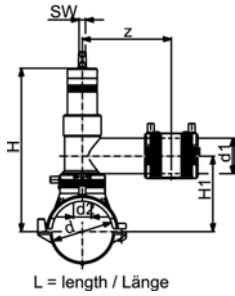
- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d32
- Number of turns to 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)

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
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

PF 2 51 313 004

53 152 100

Pressure tapping valve (kit) With 360° rotatable outlet



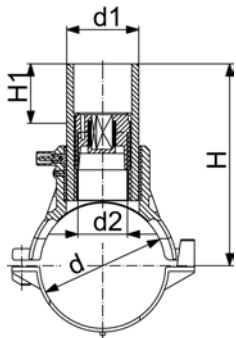
- PE 100 SDR 17 (ISO S8)
- With integrated drill bit to tap live mains under pressure
- **Suitable for pipes with wall thickness between 7 and 21 mm only.**
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d32
- 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	GP	kg	d2 [mm]	H [mm]	H1 [mm]	L [mm]	z [mm]
250	32	193 155 134	3	3.443	21	293	191	165	127
280	32	193 155 144	5	3.118	21	293	191	165	127
280	40	193 155 145	5	3.124	30	366	206	165	160
280	50	193 155 146	5	3.136	30	366	206	165	160
280	63	193 155 147	5	3.134	30	366	206	165	160
315 - 400	32	193 155 154	5	3.118	21	293	191	165	127
315 - 400	40	193 155 155	5	3.124	30	366	206	165	160
315 - 400	50	193 155 156	3	3.136	30	366	206	165	160
315 - 400	63	193 155 157	5	3.134	30	366	206	165	160

PF 2 51 313 004

53 131 200

Spigot saddle with cutter



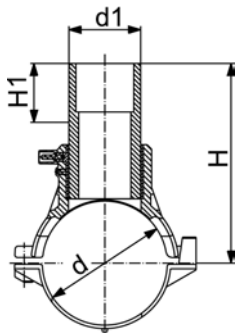
L = length / Länge

- 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



L = length / Länge

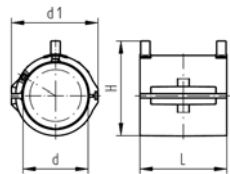
Spigot saddle

- **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

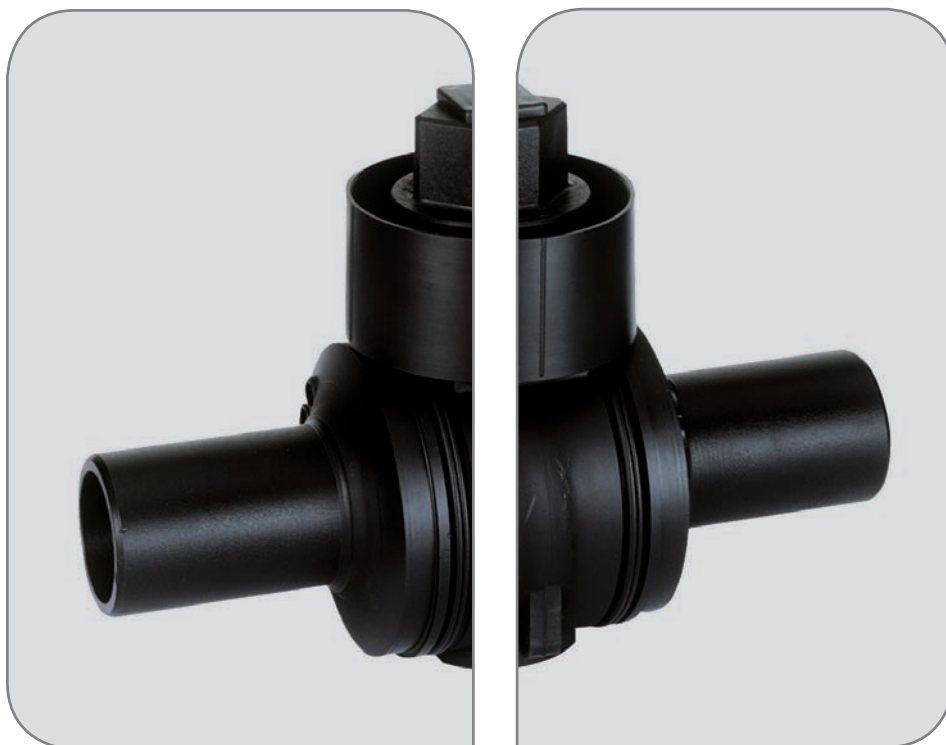


Extension spindle for tapping valve and service valve Telescopic

- Continuously adjustable and self-supporting
- Pullout- and dirt-safe
- Rod hot-dip galvanized
- PE-casing and 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



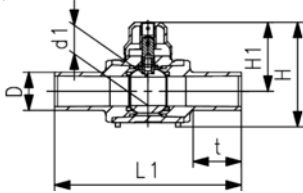
Stop-off Valves PE 100

Valves

Accessories/Spindles

Stop-off valves PE100

93 103 025



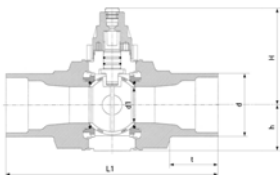
ELGEF Plus ball valve

- PE 100 SDR 11 (ISO S5) - d20 up to d225
- 10 bar Gas / 16 bar Water
- d20 - d110 in accordance with DVGW GW336
- d160 up to d225 are supplied with base plate and straps
- d1 = diameter of bore
- Regarding pressure rate and application local standards and regulations have to be considered

d [mm]	Code	GP	kg	L1 [mm]	t [mm]	H [mm]	H1 [mm]	d1 [mm]
20	193 103 206	-	0.500	264	72	134	96	23
25	193 103 207	-	0.500	264	72	134	96	23
32	193 103 208	-	0.500	274	76	134	96	23
40	193 103 209	-	0.500	301	85	142	100	30
50	193 103 210	-	0.800	327	92	156	107	38
63	193 103 211	-	1.200	350	101	173	114	48
75	193 103 212	-	1.400	376	114	173	114	48
90	193 103 213	-	3.200	439	128	240	158	68
110	193 103 214	-	4.600	497	148	267	171	83
125	193 103 040	-	4.300	112	112	290	205	64
160	193 103 042	-	9.600	160	123	363	263	92
180	193 103 043	-	10.000	123	123	364	247	92
200	193 103 044	-	10.800	123	123	364	247	92
225	193 103 045	-	19.300	127	240	472	320	120

PF 2 51 308 004

ELGEF Plus ball valve "full bore"



- PE 100 SDR 11 (ISO S5) - d20 up to d225
- 10 bar Gas / 16 bar Water
- d1 = diameter of bore

d [mm]	Code	kg	L1 [mm]	t [mm]	H [mm]	H1 [mm]	d1 [mm]
110	193 104 039	7.800	100	100	242	117	92
160	193 104 042	17.000	145	145	325	150	120

PF 2 51 308 005

ELGEF Plus operational key



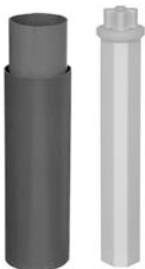
- Made out of PVC
- Suitable for all dimensions

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

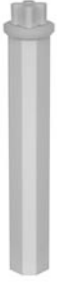
ELGEF Plus accessory kit

- 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

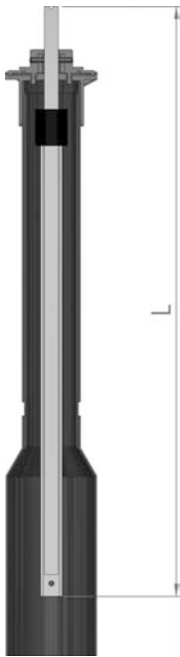
Length [mm]	Code	kg
500	173 103 080	0.621

PF 2 51 308 003

Base plate with straps

Code	kg
173 103 081	0.945

PF 2 51 308 003



Extension spindle for ELGEF Plus ball valve Telescopic

- For ELGEF Plus ball valve d20-d110mm
- Extension spindle acc. to DVGW GW336
- Steel square connection 20x20mm for d20-63
- Steel square connection 25x25mm for d90-d110
- Continuously adjustable and self-supporting
- Pullout- and dirt-safe
- Rod hot-dip galvanized
- PE-casing and PE-centering cap with gasket
- Inclusive clip-pin out of stainless steel
- Torque max. 140Nm

d-d [mm]	Pipe cover [m]	L [m]	Code	kg
20 - 63	0.75-1.10	0.55 - 0.95	173 103 175	1.625
20 - 63	1.10-1.70	0.90 - 1.55	173 103 176	2.565
20 - 63	1.60-2.50	1.30 - 2.40	173 103 177	3.872
90 - 110	0.75-1.10	0.55 - 0.85	173 103 185	2.500
90 - 110	1.10-1.70	0.80 - 1.40	173 103 186	3.710
90 - 110	1.60-2.50	1.30 - 2.30	173 103 187	6.040

PF 2 51 308 003



Extension spindle for ELGEF Plus ball valve Telescopic

- For ELGEF Plus ball valve d125-d225mm
- For ELGEF Plus ball valve "Full Bore" d110mm and d160mm
- Continuously adjustable and self-supporting
- Pullout- and dirt-safe
- Rod hot-dip galvanized
- PE-casing and PE-centering cap with gasket
- Polygon-bush from galvanized steel
- PE-sleeve, fitted for all dimensions
- Torque max. 140Nm

d-d [mm]	Pipe cover [m]	Code	kg
125 - 225	0.75-1.10	173 103 075	2.100
125 - 225	1.10-1.80	173 103 076	2.884
125 - 225	1.65-2.75	173 103 077	7.200

PF 2 51 308 003



Polygon-adapter

- Polygon connection for Extension spindle ELGEF Plus ball valve d20-d110mm
- Fixation to steel square with grub screws
- Galvanized

d-d [mm]	Code	kg	
20 - 63	173 103 195	0.400	
90 - 110	173 103 196	0.500	

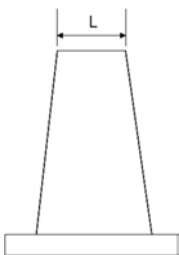
PF 2 51 308 003



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	



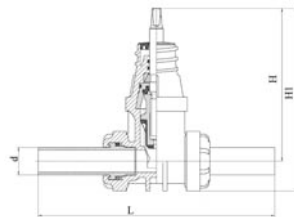
PF 2 51 308 003



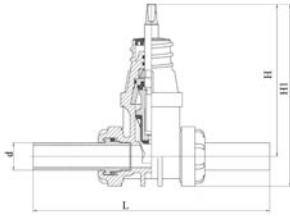
POM service valve with PE spigot ends

- 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



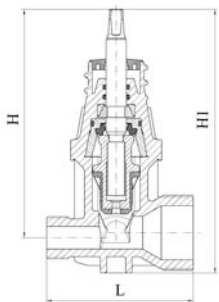
PF 2 51 786 099

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

POM service valve with male threads on both ends

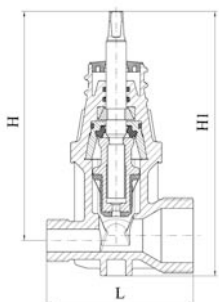


PF 2 51 786 099

- 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

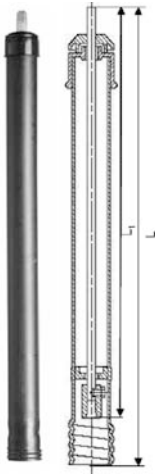
POM service valve with male threads on both ends (kit)



PF 2 51 786 099

- 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"

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

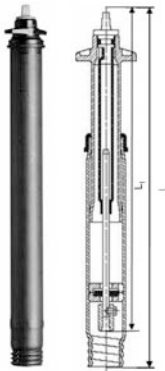


Extension spindle for POM service valve Rigid

- 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 51 786 002



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

PF 2 51 786 099



**Polyethylene
Piping Systems PE 100**



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

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

Flanges, seals

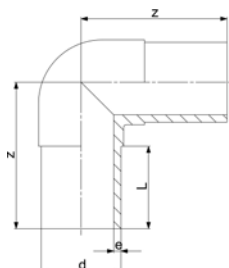
Spigot Fittings in PE 100

53 10 10

Elbow 90° PE100 SDR11

Model:

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
- Long spigot version
- 10 bar Gas / 16 bar Water



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	0.053	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	10	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	10.500	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

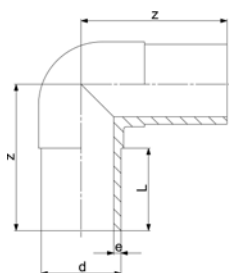
PF 2 51 301 001

53 10 08

Elbow 90° PE100 SDR17/17,6

Model:

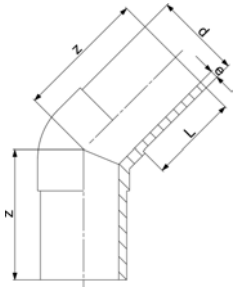
- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
- Long spigot version
- 5 bar Gas / 10 bar Water



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	10	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

PF 2 51 301 001

53 15 10



Elbow 45° PE100 SDR11

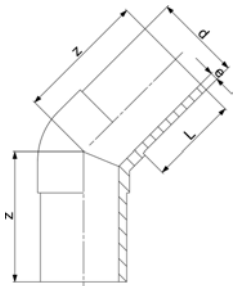
Model:

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
- 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	0.578	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
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	226	140	25,4
315	753 150 923	2	14.818	246	150	28,6

PF 2 51 301 001

53 15 08



Elbow 45° PE100 SDR17/17,6

Model:

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
- Long spigot version
- 5 bar Gas / 10 bar Water

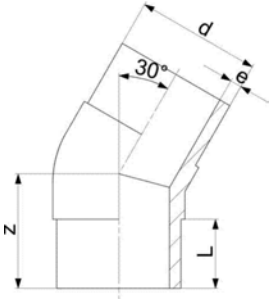
d [mm]	Code	GP	kg	z [mm]	L [mm]	e [mm]
90	753 150 813	20	0.450	120	81	5,4
110	753 150 814	12	0.900	130	86	6,6
125	753 150 815	6	1.250	140	92	7,4
140	753 150 816	-	1.100	164	120	8,3
160	753 150 817	6	2.390	162	102	9,5
180	753 150 818	5	3.060	170	107	10,7
200	753 150 819	3	4.100	186	116	11,9
225	753 150 820	2	5.610	205	123	13,4
250	753 150 821	3	6.227	217	130	14,8
280	753 150 822	2	7.819	230	140	16,6
315	753 150 823	2	10.596	246	150	18,7

PF 2 51 301 001

53 12 09

Elbow 30° PE100 SDR11

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



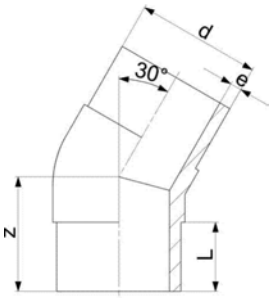
PF 2 51 301 005

d [mm]	Code	GP	kg	z [mm]	L [mm]	e [mm]
32	753 120 908	40	0.530	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	6	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



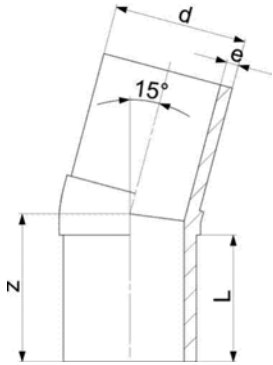
PF 2 51 301 005

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	1	8.100	200	139	16,6
315	753 120 823	1	11.200	220	150	18,7

53 14 10

Elbow 15° type L PE100 SDR11

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

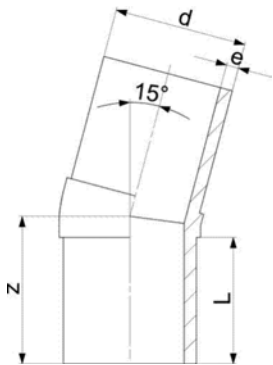


PF 2 51 301 005

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	10.600	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

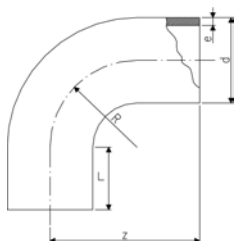
d [mm]	Code	GP	kg	z [mm]	L [mm]	e [mm]
90	753 140 813	4	0.370	100	81	5.4
110	753 140 814	3	0.620	105	86	6.6
125	753 140 815	2	0.990	115	92	7.4
140	753 140 816	2	0.370	135	92	8.3
160	753 140 817	5	1.600	130	102	9.5
180	753 140 818	1	2.040	140	107	10.7
200	753 140 819	2	2.780	150	116	11.9
225	753 140 820	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



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

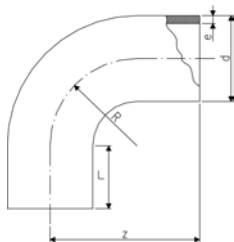
PF 2 51 301 005

53 00 08

Bend 90° PE100 SDR17

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

* made out of seamless pipe



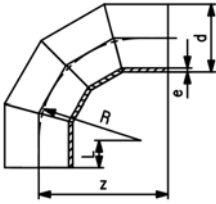
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
90	753 000 813	1	0.600	168	79	90	5,4
110	753 000 814	-	1.000	193	82	110	6,6
125	753 000 815	-	1.300	216	87	125	7,4
140	753 000 816	-	2.500	232	92	140	8,3
160	753 000 817	-	2.500	258	98	160	9,5
180	753 000 818	-	4.000	290	105	180	10,7
200	753 000 819	-	6.500	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



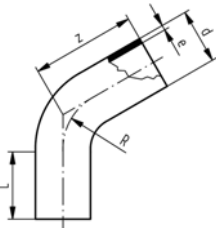
PF 2 51 301 008

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

53 07 10

Bend 60° PE100 SDR11

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



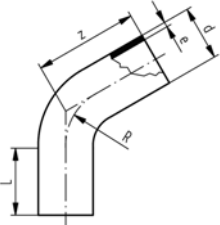
PF 2 51 301 009

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
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



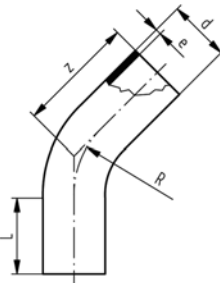
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
90	753 070 813	-	0.600	193	100	135	5,4
110	753 070 814	-	1.280	270	150	165	6,6
125	753 070 815	-	1.300	283	150	187	7,4
140	753 070 816	-	1.800	296	150	210	8,3
160	753 070 817	-	3.160	313	150	240	9,5
180	753 070 818	-	3.190	330	150	270	10,7
200	753 070 819	-	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

PF 2 51 301 009

53 05 10

Bend 45° PE100 SDR11

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



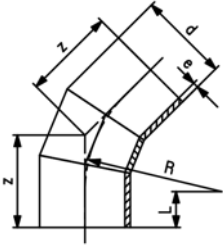
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
32	753 051 008	-	0.077	120	80	48	2,9
40	753 051 009	-	0.120	120	80	60	3,7
50	753 051 010	-	0.240	149	100	75	4,6
63	753 051 011	-	0.360	161	100	95	5,8
75	753 051 012	-	0.560	168	100	113	6,8
90	753 051 013	-	0.760	177	100	135	8,2
110	753 051 014	-	1.700	243	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

PF 2 51 301 009

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



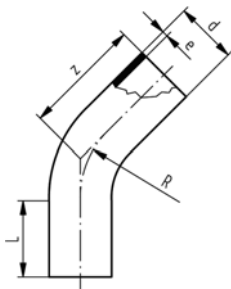
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
710	753 003 001	-	129.998	792	350	1065	42.1
800	753 003 002	-	176.165	847	350	1200	47.4
900	753 003 003	-	252.638	960	350	1350	53.3
1000	753 003 004	-	332.107	1022	400	1500	59.3

PF 2 51 301 008

53 05 08

Bend 45° PE100 SDR17/17,6

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



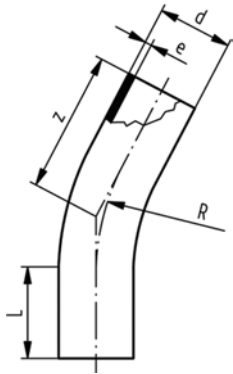
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
90	753 050 813	-	0.600	177	100	135	5,4
110	753 050 814	-	1.100	243	150	165	6,6
125	753 050 815	-	1.200	253	150	188	7,4
140	753 050 816	-	1.720	262	150	210	8,3
160	753 050 817	-	2.200	274	150	240	9,5
180	753 050 818	-	3.000	287	150	270	10,7
200	753 050 819	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



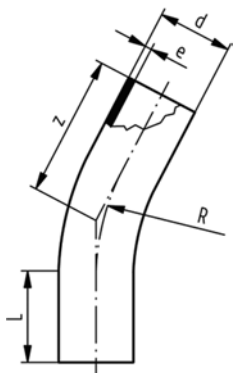
PF 2 51 301 009

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

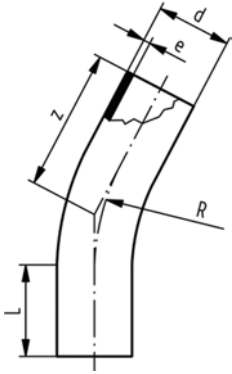


PF 2 51 301 009

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

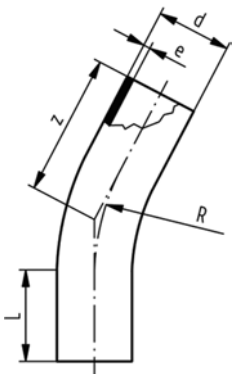


d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
32	753 081 008	-	0.077	113	80	48	2,9
40	753 081 009	-	0.120	116	80	60	3,7
50	753 081 010	-	0.200	140	100	75	4,6
63	753 081 011	-	0.400	150	100	95	5,8
75	753 081 012	-	0.520	155	100	113	6,8
90	753 081 013	-	0.760	160	100	135	8,2
110	753 081 014	-	1.500	219	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

PF 2 51 301 009

Bend 22° PE100 SDR17/17,6

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



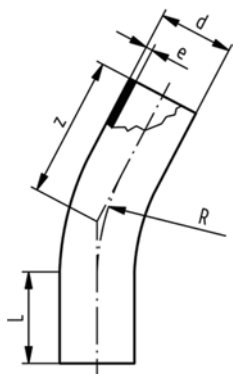
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
90	753 080 813	-	0.500	160	100	135	5.4
110	753 080 814	-	1.060	219	150	165	6.6
125	753 080 815	-	1.100	225	150	188	7.4
140	753 080 816	-	1.720	231	150	210	8.3
160	753 080 817	-	1.900	239	150	240	9.5
180	753 080 818	-	2.500	247	150	270	10.7
200	753 080 819	-	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

PF 2 51 301 009



Bend 11° PE100 SDR11

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



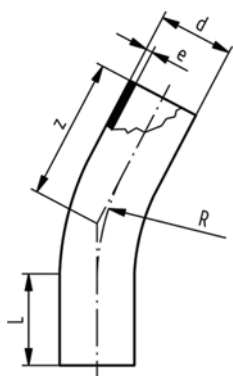
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
32	753 091 008	-	0.077	113	80	48	2.9
40	753 091 009	-	0.120	116	80	60	3.7
50	753 091 010	-	0.200	140	100	75	4.6
63	753 091 011	-	0.400	150	100	95	5.8
75	753 091 012	-	0.520	155	100	113	6.8
90	753 091 013	-	0.760	160	100	135	8.2
110	753 091 014	-	1.500	219	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

PF 2 51 301 009



Bend 11° PE100 SDR17/17,6

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



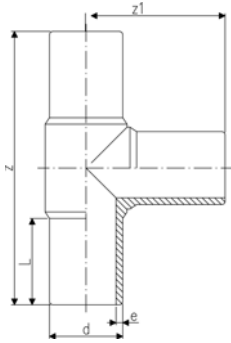
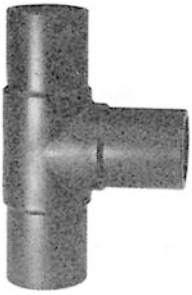
d [mm]	Code	GP	kg	z [mm]	L [mm]	R [mm]	e [mm]
90	753 090 813	-	0.500	160	100	135	5.4
110	753 090 814	-	1.060	219	150	165	6.6
125	753 090 815	-	1.100	225	150	188	7.4
140	753 090 816	-	1.720	231	150	210	8.3
160	753 090 817	-	1.900	239	150	240	9.5
180	753 090 818	-	2.500	247	150	270	10.7
200	753 090 819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

PF 2 51 301 009

53 20 10

Tee 90° equal PE100 SDR11**Model:**

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
d355 - d800: PF 2 51 301 008
- Long spigot version
- 10 bar Gas / 16 bar Water
- * With welded pipes
- * Segment welded and reinforced
- * No pressure reduction factor



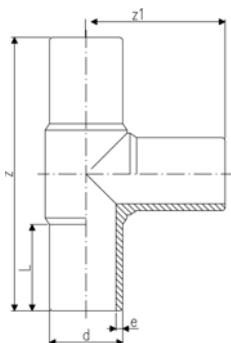
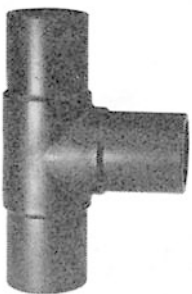
d [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	e [mm]
20	753 201 006	30	0.038	150	75	52	3,0
25	753 201 007	25	0.054	160	80	52	3,0
32	753 201 008	20	0.074	170	85	54	3,0
40	753 201 009	80	0.127	190	95	57	3,7
50	753 201 010	20	0.217	210	105	63	4,6
63	753 201 011	25	0.375	230	115	65	5,8
75	753 201 012	16	0.616	264	132	72	6,8
90	753 201 013	7	1.031	300	150	81	8,2
110	753 201 014	7	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

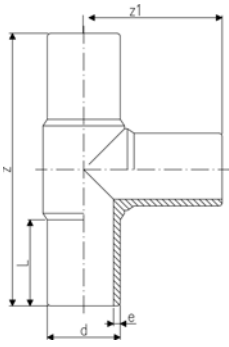
Tee 90° equal PE100 SDR17/17,6**Model:**

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
d355 - d800: PF 2 51 301 008
- 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	7	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	2	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

table continued next page



PF 2 51 301 001

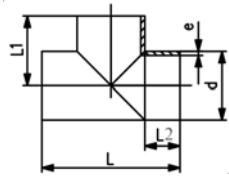
d [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	e [mm]
450	753 200 806	-	56.000	970	485	195	26,7
500	753 200 807	-	71.000	1060	530	215	29,7
* 560	753 200 808	-	99.200	1510	755	230	33,2
* 630	753 200 809	-	132.700	1630	815	250	37,4
* 710	753 201 920	1	219.870	1720	860	450	42,1
* 800	753 201 921	1	281.495	1780	890	450	47,4

53 20 08

Tee 90° equal PE100 SDR17/17,6

Model:

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



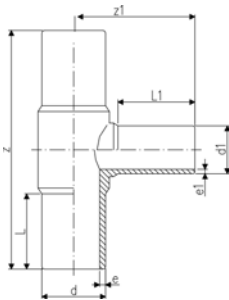
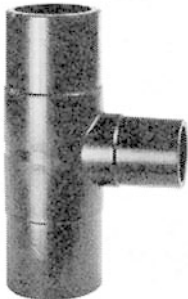
PF 2 51 301 008

d [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	e [mm]
710	753 202 810	-	158.180	1410	705	350	42.1
800	753 202 811	-	210.302	1500	750	350	47.4
900	753 202 812	-	302.118	1700	850	400	53.3
1000	753 202 813	-	457.054	2040	1020	520	59.3

53 20 10

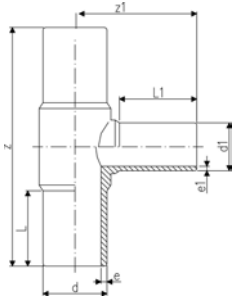
Tee 90°, reduced LS moulded

- 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	1	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

table continued next page



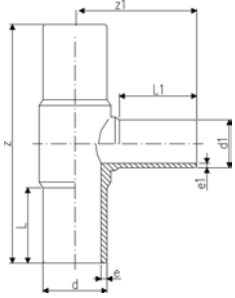
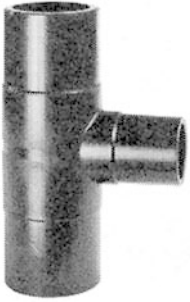
PF 2 51 301 004

d [mm]	d1 [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	L1 [mm]	e [mm]	e1 [mm]
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	1	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

53 20 08

Tee 90°, reduced LS moulded

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



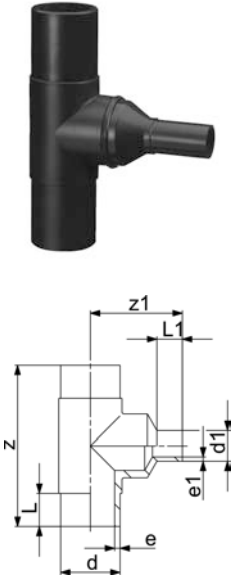
PF 2 51 301 004

d [mm]	d1 [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	L1 [mm]	e [mm]	e1 [mm]	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

53 20 10

Tee 90°, reduced LS with welded reducer

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

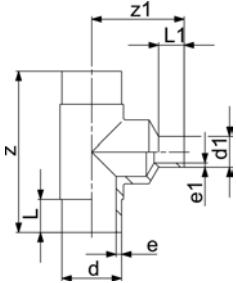


d [mm]	d1 [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	L1 [mm]	e [mm]	e1 [mm]
25	20	753 201 002	20	0.053	160		52	52	3,0	3,0
32	20	753 201 003	10	0.094	170	105	54	52	3,0	3,0
32	25	753 201 004	25	0.098	170	110	54	52	3,0	3,0
40	20	753 201 005	30	0.155	190	120	57	52	3,7	3,0
40	25	753 201 069	30	0.160	190	120	57	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	10	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	10.900	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
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

PF 2 51 301 004

Tee 90°, reduced LS with welded reducer

- 5 bar Gas / 10 bar Water



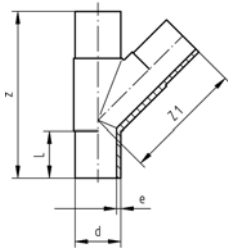
d [mm]	d1 [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	L1 [mm]	e [mm]	e1 [mm]
125	63	753 200 801	4	2.115	366	215	92	61	7.4	3.8
125	75	753 200 810	6	2.140	366	235	92	72	7.4	4.5
125	90	753 200 811	8	2.180	366	235	92	80	7.4	5.4
140	75	753 200 812	4	2.820	396	240	92	70	8.3	4.5
140	90	753 200 822	5	2.855	396	240	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

PF 2 51 301 004

53 25 10

Tee 45° equal PE100 SDR11

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



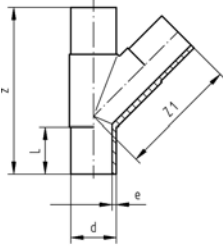
d [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	e [mm]
63	753 251 011	26	0.500	255	158	63	5,8
75	753 251 012	-	0.800	301	190	70	6,8
90	753 251 013	10	1.300	368	234	79	8,2
110	753 251 014	6	1.800	395	260	82	10,0

PF 2 51 301 001

53 25 10

Tee 45° equal PE100 SDR17/17,6

• 5 bar Gas / 10 bar Water



PF 2 51 301 001

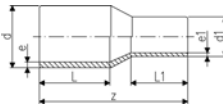
d [mm]	Code	GP	kg	z [mm]	z1 [mm]	L [mm]	e [mm]
90	753 251 063	-	0.800	368	234	79	5,4
110	753 251 064	-	1.400	395	260	82	6,6

53 90 10

Reducer PE100 SDR11

Model:

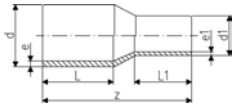
- d20 - d225: PF 2 51 301 001
- d250 - d315: PF 2 51 301 002
- d355 - d630: PF 2 51 301 008



- 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	129	57	52	3,7	3,0
40	25	753 901 047	50	0.043	129	57	52	3,7	3,0
40	32	753 901 046	40	0.047	129	57	53	3,7	3,0
50	20	753 901 055	20	0.064	149	63	52	4,6	3,0
50	25	753 901 054	45	0.066	139	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	139	63	57	4,6	3,7
63	32	753 901 060	50	0.109	149	65	53	5,8	3,0
63	40	753 901 059	50	0.119	150	65	57	5,8	3,7
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	14	0.560	230	110	70	12,7	6,8
140	90	753 901 087	10	0.690	230	110	79	12,7	8,2
140	110	753 901 084	12	0.820	234	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

table continued next page



d [mm]	d1 [mm]	Code	GP	kg	z [mm]	L [mm]	L1 [mm]	e [mm]	e1 [mm]
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	8	1.530	245	105	79	16,4	8,2
180	110	753 901 074	8	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	8	1.980	270	120	110	16,4	12,7
180	160	753 901 033	6	2.044	255	107	102	16,4	14,6
200	140	753 901 066	6	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	4	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	6	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	6.850	333	140	112	25,4	18,2
280	225	753 901 099	5	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	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	6	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

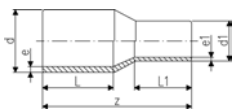
53 90 08

Reducer PE100 SDR17/17,6



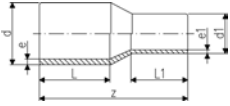
Model:

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
d355 - d1000: PF 2 51 301 008
- 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	10	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

table continued next page



d [mm]	d1 [mm]	Code	GP	kg	z [mm]	L [mm]	L1 [mm]	e [mm]	e1 [mm]
140	75	753 900 886	14	0.560	230	112	70	8,3	4,5
140	90	753 900 887	14	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	0.930	245	100	85	9,5	6,6
160	125	753 900 889	8	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	8	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	8	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	6	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	4	1.450	280	120	100	13,4	8,3
225	160	753 900 896	4	2.100	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	6	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	6	3.800	333	140	112	16,6	11,9
280	225	753 900 899	5	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
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

PF 2 51 301 001

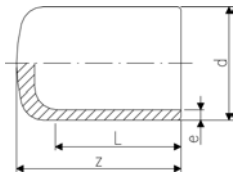
53 96 10

Cap PE100 SDR11**Model:**

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
d355 - d630: PF 2 51 301 008
- 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	0.031	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

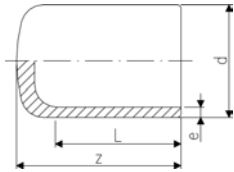
53 96 08

Cap PE100 SDR17/17,6**Model:**

- d20 - d225: PF 2 51 301 001
d250 - d315: PF 2 51 301 002
d355 - d1000: PF 2 51 301 008
- Long spigot version
- 5 bar Gas / 10 bar Water

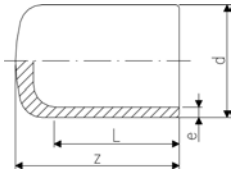
Note:

* 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

table continued next page



d [mm]	Code	GP	kg	z [mm]	L [mm]	e [mm]
* 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	-	53.950	310	190	42,1
* 800	753 960 831	-	73.281	320	190	47,4
* 900	753 960 832	-	98.923	330	190	53,5
* 1000	753 960 833	-	123.925	340	190	59,3

PF 2 51 301 001

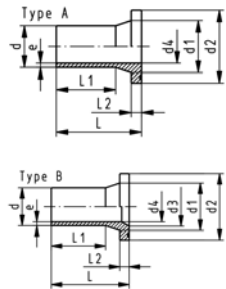
538000

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 d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03
- 10 bar Gas / 16 bar Water

* Type B with chamfer



d [mm]	DN [mm]	FM	Code	GP	kg	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
20	15	IR	753 800 006	50	0.022	27	45		16	85	41	7	1.9
25	20	IR	753 800 007	-	0.034	33	58		20	85	41	9	2.3
32	25	IR	753 800 008	25	0.051	40	68		26	85	44	10	3.0
40	32	IR	753 800 009	60	0.076	50	78		32	85	49	11	3.7
50	40	IR	753 800 010	50	0.107	61	88		40	104	55	12	4.6
63	50	IR	753 800 011	70	0.174	75	102		51	98	69	14	5.8
* 75	65	IR	753 800 012	30	0.300	89	122	66	61	125	89	16	6.8
* 90	80	IR	753 800 013	24	0.440	105	138	78	73	140	103	17	8.2
* 110	100	IR	753 800 014	16	0.685	125	158	100	90	160	114	18	10.0
* 125	100	IR	753 800 015	16	0.836	132	158	114	102	170	125	25	11.4
* 140	125	IR	753 800 016	6	1.295	155	188	127	114	200	147	25	12.7
* 160	150	IR	753 800 017	6	1.644	175	212	151	130	200	147	25	14.6
* 180	150	IR	753 800 018	6	1.873	180	212	158	147	200	170	30	16.4
* 200	200	IR	753 800 019	4	2.758	232	268	203	163	200	128	32	18.2
* 225	200	IR	753 800 020	4	2.972	235	268	210	184	200	138	32	20.5
* 250	250	--	753 800 021	6	4.535	285	320	245	204	219	138	35	22.7
* 280	250	--	753 800 022	5	4.925	291	320	265	229	231	144	35	25.4
* 315	300	--	753 800 023	2	6.393	335	370	300	257	239	158	35	28.6
* 355	350	--	753 800 024	2	10.400	373	430	340	290	260	176	40	32.3
* 400	400	--	753 800 025	1	14.600	427	482	385	327	290	186	46	36.3
* 450	500	--	753 800 026	1	24.800	514	585	400	368	333	195	60	40.9
* 500	500	--	753 800 027	1	27.400	530	585	440	409	350	212	60	45.5
* 560	600	--	753 800 028	1	38.000	615	685	490	458	365	230	60	50.9
* 630	600	--	753 800 029	1	42.300	642	685	545	515	385	250	60	57.3
710	700	--	753 800 030	-	56.379	737	800		581	400	280	60	64.5
800	800	--	753 800 033	-	72.636	840	905		652	400	280	65	74.0

PF 2 51 301 001

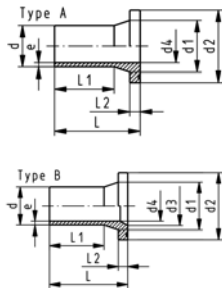
538000
538001

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 d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03
- 5 bar Gas / 10 bar Water

* Type B with chamfer



d [mm]	DN [mm]	FM	Code	GP	kg
50	40	IR	753 800 085	10	0.110
63	50	IR	753 800 086	32	0.143
75	65	IR	753 800 087	18	0.246
90	80	IR	753 800 088	24	0.351
110	100	IR	753 800 089	16	0.531
* 125	100	IR	753 800 090	16	0.629
* 140	125	IR	753 800 091	6	0.973
* 160	150	IR	753 800 092	6	1.257
180	150	IR	753 800 093	6	1.364
* 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	16.200
* 400	400	--	753 800 100	1	10.300
450	500	--	753 800 101	1	15.800
500	500	--	753 800 102	1	19.100
560	600	--	753 800 103	1	27.500
630	600	--	753 800 104	1	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	36	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

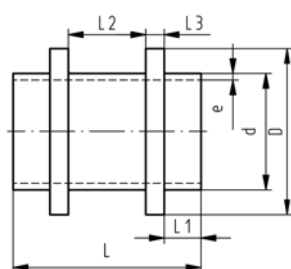
Butt fusion fittings PE100

Fixpoint fitting PE100 S5/SDR11



Model:

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



d [mm]	FM	Code	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

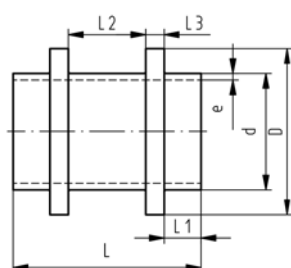
PF 2 68 240 039

Fixpoint fitting PE100 SDR17/17.6



Model:

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

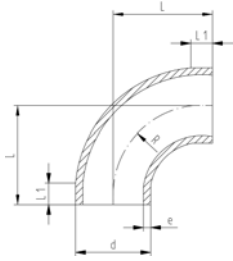


d [mm]	FM	Code	GP	kg	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	e [mm]
63	IR	753 665 577	-	0.144	90	122	30	42	10	3.8
75	IR	753 665 578	-	0.212	110	122	30	42	10	4.5
90	IR	753 665 579	-	0.279	125	122	30	42	10	5.4
110	IR	753 665 580	-	0.457	140	142	30	52	15	6.6
125	IR	753 665 581	-	0.618	160	152	35	52	15	7.4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

PF 2 68 240 039

Bend 90° PE100 SDR11**Model:**

- d20 - d110: PF 2 68 240 006
d125 - d315: PF 2 68 240 002
d355 - d500: PF 2 68 240 040
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

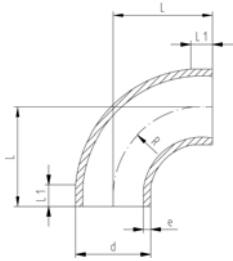


d [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	R [mm]	e [mm]
20	IR	753 018 706	10	0.007	38	23	15	1.9
25	IR	753 018 707	10	0.012	42	23	19	2.3
32	IR	753 018 708	10	0.022	46	22	24	2.9
40	IR	753 018 709	10	0.038	51	21	30	3.7
50	IR	753 018 710	10	0.066	58	21	37	4.6
63	IR	753 018 711	-	0.118	66	21	45	5.8
75	IR	753 018 712	-	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	380	38	355	32.3
400	--	753 021 025	-	23.000	434	41	400	36.3
450	--	753 021 026	-	38.300	445	49	450	40.9
500	--	753 021 027	1	47.300	450	49	500	45.5

PF 2 68 240 040

Bend 90° PE100 SDR17/17.6**Model:**

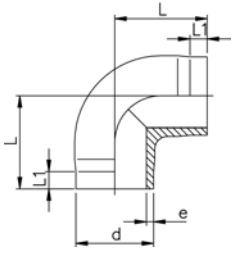
- d50 - d110: PF 2 68 240 026
d125 - d225: PF 2 68 240 022
d250 - d315: PF 2 68 240 002
d355 - d500: PF 2 68 240 040
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100



d [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	R [mm]	e [mm]
50	IR	753 018 635	10	0.052	58	21	37	2.9
63	IR	753 018 636	10	0.084	66	21	45	3.6
75	IR	753 018 737	-	0.172	100	20	90	4.3
90	IR	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

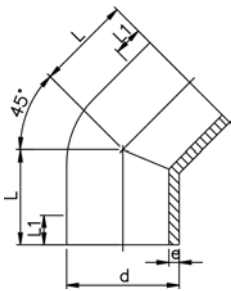
Elbow 90° PE100 SDR11

Model:

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

d [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	e [mm]
20	IR	753 108 606	10	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

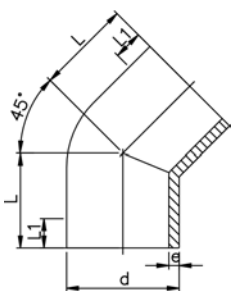
Elbow 45° PE100 SDR11

Model:

- d20 - d110: PF 2 68 240 008
- d125 - d225: PF 2 68 240 003
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. 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

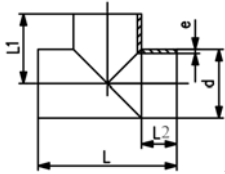
Elbow 45° PE100 SDR17.6

Model:

- d50 - d63: PF 2 68 240 008
- d75 - d110: PF 2 68 240 028
- d125 - d225: PF 2 68 240 023
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100

d [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	e [mm]
50	IR	753 158 535	20	0.045	42	26	2,9
63	IR	753 158 536	-	0.091	47	29	3,6
75	IR	753 158 412	-	0.128	49	29	4,7
90	IR	753 158 413	-	0.208	57	34	5,6
110	IR	753 158 414	-	0.398	70	43	6,9
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



PF 2 68 240 040

Tee 90° equal PE100 SDR11

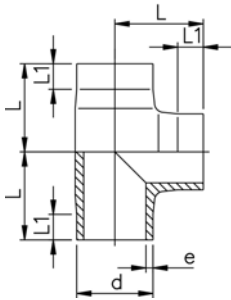
Model:

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

* on request

d [mm]	Code	GP	kg	L [mm]	L1 [mm]	z [mm]	e [mm]
710	753 211 030	-	177.442	950	650	75	64.5
* 800	753 211 031	-	233.384	1013	700	75	72.6

53 20 86



PF 2 68 240 040

Tee 90° equal PE100 SDR11

Model:

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

d [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	e [mm]
20	IR	753 208 606	10	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

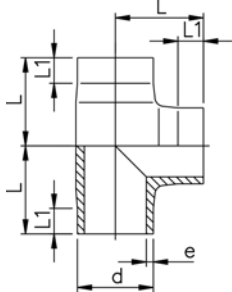
53 20 85

Tee 90° equal PE100 SDR17/17.6



Model:

- d50 - d110: PF 2 68 240 021
d125 - d315: PF 2 68 240 029
d355 - d500: PF 2 68 240 040
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100



d [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	e [mm]
50	IR	753 208 535	-	0.090	59	26	2,9
63	IR	753 208 536	-	0.160	71	25	3,6
75	IR	753 208 412	-	0.245	74	20	4,8
90	IR	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

PF 2 68 240 029

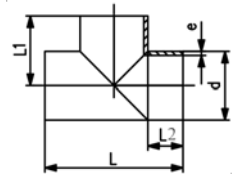
53 20 85

Tee 90° equal PE100 SDR17/17.6



Model:

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



d [mm]	Code	GP	kg	L [mm]	L1 [mm]	L2 [mm]	e [mm]
710	753 220 833	-	121.141	950	650	75	42.1
* 800	753 220 834	-	158.977	1013	700	75	47.4

PF 2 68 240 040

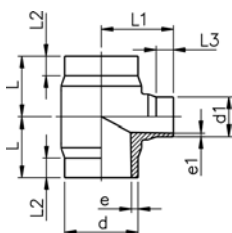
53 20 83

Tee 90° reduced PE100 SDR11



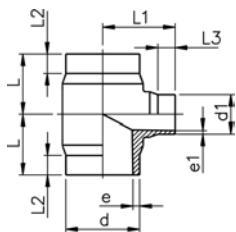
Model:

- ³ PF 2 68 240 040
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100



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

table continued next page



d [mm]	d1 [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	e [mm]	e1 [mm]
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
3250	110	--	753 221 031	-	8.120	228	197	140	37	22,7	10,0
3250	160	--	753 221 032	-	8.620	229	219	117	60	22,7	14,6

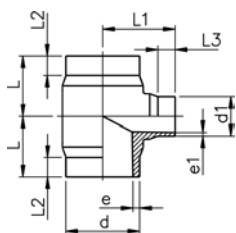
PF 2 68 240 040

Tee 90° reduced PE100 SDR17.6

Model:

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

* Branch SDR11



d [mm]	d1 [mm]	FM	Code	GP	kg	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	e [mm]	e1 [mm]
* 63	32	IR	753 208 301	-	0.157	65	70	25	25	3,6	2,9
63	50	IR	753 208 302	-	0.158	65	70	25	25	3,6	2,9
* 75	32	IR	753 208 303	-	0.240	70	75	25	25	4,3	2,9
75	50	IR	753 208 304	-	0.250	70	75	25	25	4,3	2,9
75	63	IR	753 208 305	-	0.257	70	75	25	25	4,3	3,6
90	50	IR	753 208 307	-	0.410	80	85	25	25	5,1	2,9
90	63	IR	753 208 308	-	0.330	80	85	25	25	5,1	3,6
90	75	IR	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

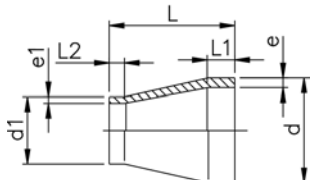
PF 2 68 240 036

53 90 88

Reducer PE100 SDR11

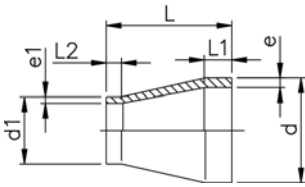
Model:

- ¹ PF 2 68 240 011
- ² PF 2 68 240 005
- ³ PF 2 68 240 040
- Conventional butt-welding according to DVS 2207 part 1
- IR = Infrared-(IR Plus®) compatible. Choose fusion parameters: PE100
- Up to d 315 injection moulded, above machined



d [mm]	d1 [mm]	FM	Code	kg	L [mm]	L1 [mm]	L2 [mm]	e [mm]	e1 [mm]
125	20	IR	753 908 637	0.007	50	20	18	2,3	1,9
132	20	IR	753 908 642	0.010	50	20	18	2,9	1,9
132	25	IR	753 908 641	0.011	50	20	18	2,9	2,3
140	20	IR	753 908 648	0.016	58	20	20	3,7	1,9
140	25	IR	753 908 647	0.017	55	20	18	3,7	2,3
140	32	IR	753 908 646	0.019	55	20	18	3,7	2,9
150	25	IR	753 908 654	0.025	60	20	18	4,6	2,3
150	32	IR	753 908 653	0.028	60	20	18	4,6	2,9
150	40	IR	753 908 652	0.032	60	20	18	4,6	3,7
163	32	IR	753 908 660	0.046	65	20	18	5,8	2,9
163	40	IR	753 908 659	0.051	65	20	18	5,8	3,7
163	50	IR	753 908 658	0.056	65	20	18	5,8	4,6
175	40	IR	753 908 666	0.070	68	20	20	6,8	3,7

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d [mm]	d1 [mm]	FM	Code	kg	L [mm]	L1 [mm]	L2 [mm]	e [mm]	e1 [mm]
1 75	50	IR	753 908 665	0.074	65	20	18	6,8	4,6
1 75	63	IR	753 908 664	0.083	65	20	18	6,8	5,8
1 90	63	IR	753 908 671	0.127	75	21	17	8,2	5,8
1 90	75	IR	753 908 670	0.132	75	22	17	8,2	6,8
1 110	75	IR	753 908 677	0.226	90	28	17	10,0	6,8
1 110	90	IR	753 908 676	0.239	90	28	20	10,0	8,2
2 125	110	IR	753 908 680	0.345	100	32	26	11,4	10,0
2 140	110	IR	753 908 685	0.436	110	35	28	12,7	10,0
2 140	125	IR	753 908 684	0.478	110	35	28	12,7	11,4
2 160	110	IR	753 908 690	0.608	120	40	25	14,6	10,0
2 160	140	IR	753 908 688	0.671	120	40	33	14,6	12,7
1 180	90	IR	753 908 877	0.678	157	45	22	16,4	8,2
1 180	110	IR	753 908 878	0.556	157	45	28	16,4	10,0
1 180	125	IR	753 908 879	0.528	136	45	32	16,4	11,4
1 180	140	IR	753 908 880	0.524	136	45	35	16,4	12,7
1 180	160	IR	753 908 881	0.537	136	45	40	16,4	14,6
2 200	160	IR	753 908 692	1.266	150	50	35	18,2	14,6
1 200	180	IR	753 908 883	0.715	151	50	45	18,2	16,4
2 225	110	IR	753 908 695	1.447	171	55	45	20,5	10,0
2 225	160	IR	753 908 696	1.546	160	55	37	20,5	14,6
1 225	180	IR	753 908 885	1.970	171	55	45	20,5	16,4
2 225	200	IR	753 908 697	1.737	160	55	48	20,5	18,2
1 250	160	--	753 908 890	2.314	194	60	40	22,7	14,6
3 250	180	--	753 900 001	2.450	175	60	55	22,7	16,4
3 250	200	--	753 900 002	2.450	180	60	60	22,7	18,2
1 250	225	--	753 908 887	2.595	182	60	55	22,7	20,5
3 280	200	--	753 900 004	3.540	205	70	50	25,4	18,2
1 280	225	--	753 908 892	1.908	105	30	20	25,4	20,5
1 280	250	--	753 908 891	1.390	70	30	18	25,4	22,7
3 315	200	--	753 900 007	4.740	225	80	50	28,6	20,5
1 315	225	--	753 908 897	2.797	130	30	30	28,6	20,5
1 315	250	--	753 908 896	2.370	100	30	20	28,6	22,7
1 315	280	--	753 908 895	1.590	63	30	18	28,6	25,4
3 355	225	--	753 900 011	4.700	245	90	55	32,3	20,5
3 355	250	--	753 900 012	4.400	245	90	60	32,3	22,7
3 355	280	--	753 900 013	4.100	245	90	70	32,3	25,4
3 355	315	--	753 900 014	3.700	245	90	80	32,3	28,6
3 400	225	--	753 900 015	6.800	260	95	60	36,4	20,5
3 400	250	--	753 900 016	6.800	260	95	70	36,4	22,7
3 400	280	--	753 900 017	6.200	260	95	70	36,4	25,4
3 400	315	--	753 900 018	5.300	260	95	80	36,4	28,6
3 400	355	--	753 900 019	4.800	260	95	90	36,4	32,3
3 450	280	--	753 900 020	9.000	230	60	70	40,9	25,4
3 450	315	--	753 900 021	8.000	230	60	80	40,9	28,6
3 450	355	--	753 900 022	7.400	230	60	90	40,9	32,3
3 450	400	--	753 900 023	6.600	230	60	95	40,9	36,4
3 500	315	--	753 900 024	12.000	230	60	80	45,5	28,6
3 500	355	--	753 900 025	10.800	230	60	90	45,5	32,3
3 500	400	--	753 900 026	10.000	230	60	95	45,5	36,4
3 500	450	--	753 900 027	8.300	200	60	60	45,5	40,9
3 710	500	--	753 900 035	24.157	190	84	40	64,5	45,4
3 710	560	--	753 900 036	21.770	170	81	40	64,5	50,8
3 710	630	--	753 900 037	17.845	140	71	40	64,5	57,2

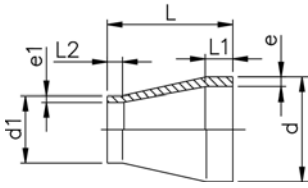
PF 2 68 240 040



Reducer PE100 SDR17/17.6

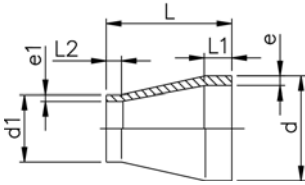
Model:

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



d [mm]	d1 [mm]	FM	Code	kg	L [mm]	L1 [mm]	L2 [mm]	e [mm]	e1 [mm]
50	40	IR	753 908 926	0.010	55	12	12	2,9	2,3
63	40	IR	753 908 927	0.020	65	16	12	3,6	2,3
63	50	IR	753 908 928	0.020	65	16	12	3,6	2,9
75	40	IR	753 908 904	0.041	71	19	12	4,3	2,3
75	50	IR	753 908 465	0.049	65	20	20	4,8	3,2
75	63	IR	753 908 464	0.056	65	20	20	4,8	4,0
90	63	IR	753 908 471	0.083	75	20	19	5,7	4,0
90	75	IR	753 908 470	0.092	75	20	20	5,7	4,8
110	75	IR	753 908 477	0.149	89	28	18	6,9	4,8
110	90	IR	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
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

table continued next page



d [mm]	d1 [mm]	FM	Code	kg	L [mm]	L1 [mm]	L2 [mm]	e [mm]	e1 [mm]
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 68 240 025

537988

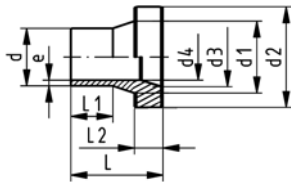
Adaptor for butterfly valves PE100 SDR17/17.6 Jointing face flat metric



Model:

- Conventional butt-welding according to DVS 2207 part 1
- Suitable for most common butterfly valves
- Chamfered and ready for use

Max pressure rating: 10 bar at 20°C water



d [mm]	DN [mm]	Code	kg	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
355	350	753 798 749	6.479	373	430	346	312	180	90	65	21.1
400	400	753 798 750	8.426	427	482	404	352	196	95	69	23.7
450	450	753 798 751	9.570	467	533	460	396	195	60	90	26.7
500	500	753 798 752	8.263	530	585	500	440	144	60	47	29.7
560	600	753 798 753	17.307	615	685	610	493	227	60	92	33.2
630	600	753 798 754	12.122	642	685	610	555	149	60	71	37.4
710	700	753 798 755	21.505	737	800	701	625	175	20	105	42.1
800	800	753 798 756	21.841	840	905	785	705	142	18	74	47.4
900	900	753 798 757	34.187	947	1005	890	793	189	15	104	53.3
1000	1000	753 798 758	43.733	1047	1110	994	881	204	10	124	59.3
1200	1200	753 798 759	106.295	1256	1330	1860	1057	377	160	126	71.2

PF 2 68 240 040

537988

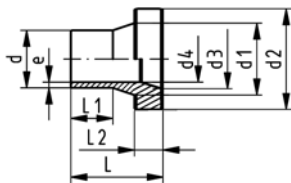
Adaptor for butterfly valves PE100 SDR11 Jointing face flat metric



Model:

- Conventional butt-welding according to DVS 2207 part 11
- Suitable for most common butterfly valves
- Chamfered and ready for use

Max pressure rating: 10 bar at 20°C water



d [mm]	DN [mm]	Code	kg	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
355	350	753 798 724	7.805	373	430	346	312	180	90	65	32.2
400	400	753 798 725	10.057	427	482	404	352	196	95	69	36.3
450	450	753 798 726	13.448	467	533	460	396	195	60	70	40.9
500	500	753 798 727	15.001	530	585	500	440	144	60	47	45.4
560	600	753 798 728	29.270	615	685	610	493	227	60	92	50.8
630	600	753 798 729	23.042	642	685	610	555	149	60	71	57.2
710	700	753 798 730	33.765	737	800	701	625	175	20	105	64.5
800	800	753 798 731	41.787	840	905	785	705	142	18	74	72.6

PF 2 68 240 040

537988

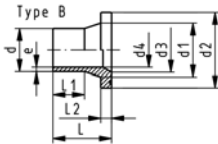
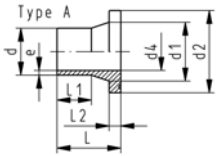
Flange adaptor PE100 SDR11

Joining 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 d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03

* 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

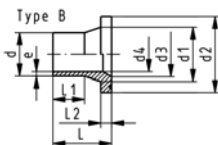
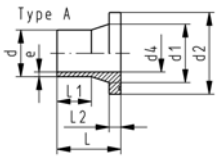
Flange adaptor PE100 S8.3/SDR17.6

Joining 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 d20-d630: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Gasket d710-d1000: flat gasket EPDM No. 48 40 03

* 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	753 798 851	5	2.315	285	320	245	220	121	61	25	14,8
* 280	250	753 798 852	5	2.165	291	320	265	246	119	69	25	16,6
* 315	300	753 798 853	6	3.080	335	370	300	277	164	86	25	18,7
* 355	350	753 798 854	4	4.155	373	430	340	312	180	100	30	21,1
* 400	400	753 798 855	2	6.050	427	482	385	352	197	110	33	23,7
450	500	753 798 856	14	9.960	514	585		396	141	64	46	26,7
500	500	753 798 857	14	9.865	530	585		440	141	67	46	29,7
560	600	753 798 858	9	14.875	615	685		493	142	60	50	33,2
630	600	753 798 859	9	12.515	642	685		555	144	71	50	37,4
710	700	753 798 860	9	15.878	737	800		626	120	20	50	42,1
800	800	753 798 861	9	20.948	840	905		705	120	18	52	47,4
900	900	753 798 862	9	29.183	944	1005		793	140	15	55	53,3
1000	1000	753 798 863	9	36.209	1047	1110		881	140	10	60	59,3

PF 2 68 240 040



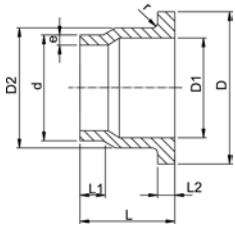
Outlet flange adaptor PE80 SDR11

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



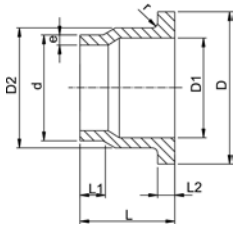
Outlet flange adaptor PE80 SDR17.6

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

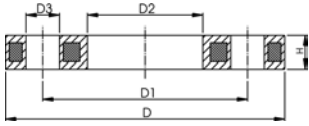
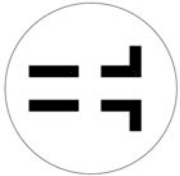
27 70 02
27 70 03

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]	d [inch]	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	6	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

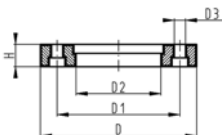
Model:

- 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

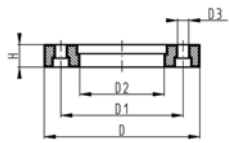
AL: number of holes



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
710	700	6	724 700 430	28.600	912	840	740	30	49	24	M27
800	800	6	724 700 431	39.300	1026	950	843	33	58	24	M30
900	900	6	724 700 432	48.500	1129	1050	947	33	62	28	M30

PF 2 55 337 003

24 70 03



PF 2 55 337 003

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:

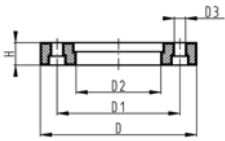
flat side = bolt side

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	

24 70 51



PF 2 55 337 001

Profiled backing flange steel For butt fusion systems metric

Model:

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

Note:

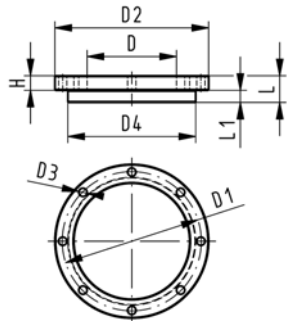
flat side = bolt side
profiled side = flange adaptor side

AL: number of holes

* Galvanized steel, suitable for underground laying

d [mm]	DN [mm]	PN	Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
* 450	450	10	724 705 026	18.000	615	565	470	26	44	20	M24
710	700	6	724 705 130	36.400	900	840	740	30	45	24	M27
800	800	6	724 705 131	50.500	1015	950	843	33	53	24	M30
900	900	6	724 705 132	55.800	1115	1050	947	33	56	28	M30
1000	1000	6	724 705 133	71.100	1230	1160	1050	36	62	28	M33
1200	1200	4	724 705 134	101.000	1455	1380	1260	39	68	32	M36

53 70 06



PF 2 34 238 038

Blanking flange set PE Combined jointing face flat and serrated metric

Model:

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

AL: number of holes

L: length of the End Blank

d [mm]	DN [mm]	PN	Code	kg	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	58	110	60	20

EPDM 48 40 03

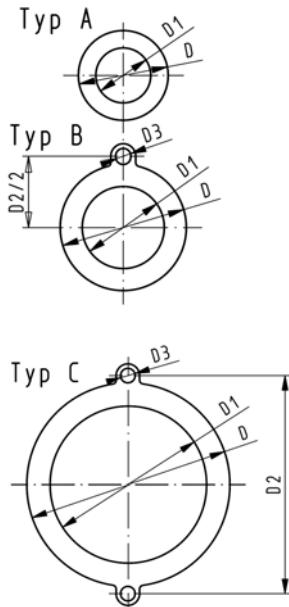


Flat gasket

Model:

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

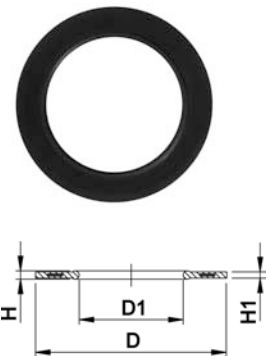
di FA are the suitable inner diameters of flange adaptors



d [mm]	DN [mm]	PN	Type	EPDM Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	di FA [mm]
16	10	10	A	748 400 305	0.005	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

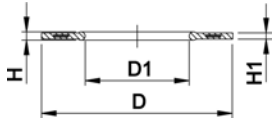
Model:

- 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
355	350	16	745 440 724	0.410	438	355	10	7	340 - 355

table continued next page



d [mm]	DN [mm]	PN	NBR/DUO Code	kg	D [mm]	D1 [mm]	H [mm]	H1 [mm]	di FA [mm]
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

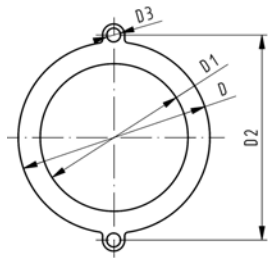
PF 2 55 338 003

48 40 03

Flat gasket for flange adaptor

Model:

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



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

PF 2 30 162 003



Hydrants

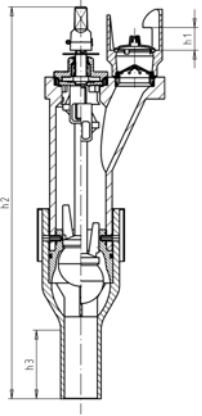


Hydrants

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



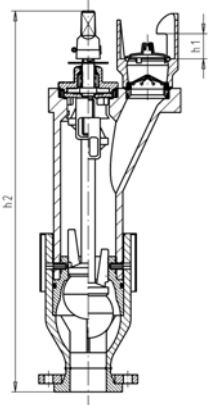
d [mm]	Code	GP	kg	RD [m]	H1 [mm]	H2 [mm]	H3 [mm]
90	193 281 200	1	18.500	1.00	50	881	150
90	193 281 201	1	19.800	1.25	50	1131	150
90	193 281 202	1	21.000	1.50	50	1381	150

PF 2 51 697 001

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



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

PF 2 51 697 001

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
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

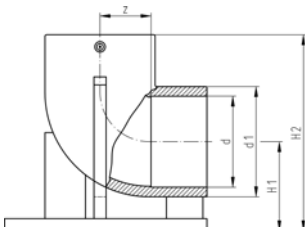
d [mm]	DN [mm]	Code	GP	kg
125	80	193 281 205	1	2.201
160	80	193 281 207	1	2.511
180	80	193 281 208	1	2.781

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



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

SDR	PE, EN 12201-2/Water			PE, EN 1555-2/Gas		Steel/ISO 65	
	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

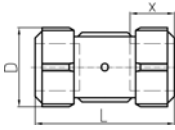
Malleable cast iron EN-GJMW-400-5 acc. to EN 1562, sealing materials as above.
Corrosion protection by hot dip galvanising according to EN 10284.

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

including insert stiffener

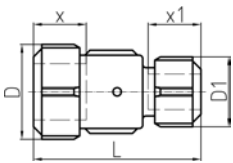


PF 1 27 140 011

Dim. St [inch]	Dim. PE [mm]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	x1 [mm]	
½	20 x 3,0	775 102 701	20	0.378	45	85	30 - 34	31 - 33	
¾	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 ¼	40 x 5,5	775 102 704	10	0.760	68	96	30 - 36	32 - 38	
1 ½	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 reducing, for ISO 65 Steel pipe to PE SDR 11/S 5

including insert stiffener



PF 1 27 140 010

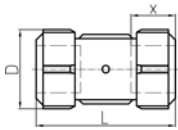
Dim. St [inch]	Dim. PE [mm]	NBR Code	GP	kg	D [mm]	D1 [mm]	L [mm]	x [mm]	x1 [mm]	
½	25 x 2,3	775 102 526	20	0.328	45	51	90	30 - 34	31 - 33	
¾	32 x 3,0	775 102 531	10	0.540	51	59	97	30 - 34	31 - 33	
1	40 x 3,7	775 102 535	5	0.740	59	68	97	30 - 34	32 - 38	
1 ¼	32 x 3,0	775 102 516	15	0.700	68	59	98	30 - 36	31 - 33	
1 ¼	50 x 4,6	775 102 538	5	0.757	68	75	100	30 - 36	35 - 43	
1 ½	40 x 3,7	775 102 520	5	0.860	75	68	97	32 - 38	32 - 38	
1 ½	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, galvanised equal, for ISO 65 Steel pipe to PE SDR 17,6/S 8,3

including insert stiffener

*** according to EN 1555-2



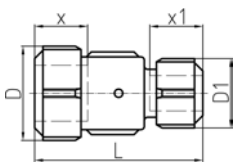
	Dim. St [inch]	Dim. PE [mm]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	x1 [mm]
***	3/4	25 x 2,0	775 102 602	20	0.403	51	89	30 - 34	31 - 33
	3/4	25 x 2,3	775 102 452	20	0.462	51	89	30 - 34	31 - 33
***	1	32 x 2,0	775 102 603	15	0.644	59	95	30 - 34	31 - 33
	1	32 x 2,3	775 102 453	15	0.644	59	95	30 - 34	31 - 33
	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, galvanised reducing, for ISO 65 Steel pipe to PE SDR 17,6/S 8,3

including insert stiffener



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

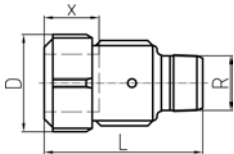
PF 1 27 140 777



Male Adaptor, galvanised for PE SDR 11/S 5 to R/EN 10226-1

including insert stiffener

*** according to EN 1555-2



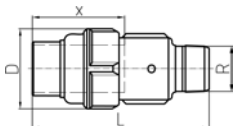
	Dim. PE [mm]	Dim. R [inch]	NBR Code	FPM Code	GP	kg	D [mm]	L [mm]	x [mm]
***	20 x 2,0	1/2	775 202 201		20	0.260	45	73	31 - 33
	25 x 2,3	3/4	775 202 202		20	0.300	51	79	31 - 33
	25 x 3,0	3/4	775 202 442		20	0.300	51	79	31 - 33
	32 x 3,0	1	775 202 203	775 208 203	-	0.431	59	89	31 - 33
	40 x 3,7	1 1/4	775 202 204		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, galvanised for PE SDR 11/S 5 to R/EN 10226-1

including insert stiffener



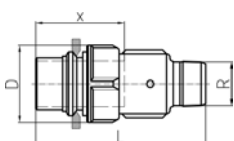
Dim. PE [mm]	Dim. R [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]
20 x 2,0	1/2	775 222 101	-	0.382	45	109	68
25 x 2,3	3/4	775 222 102	-	0.513	51	123	76
32 x 3,0	1	775 222 103	-	0.543	59	124	67

PF 1 27 140 210



Boss Male Adaptor with GRP Sleeving Nut + fixing clip, galvanised for PE SDR 11/S 5 to R/EN 10226-1

including insert stiffener



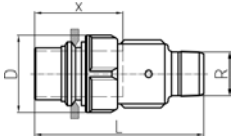
Dim. PE [mm]	Dim. R [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]
25 x 2,3	3/4	775 262 202	-	0.479	51	123	76

PF 1 27 140 001



Male Adaptor with GRP Sleeving Nut + fixing clip, galvanized for PE SDR 11/S 5 to R/EN 10226-1

including insert stiffener



Dim. PE [mm]	Dim. R [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	
20 x 2,0	½	775 232 201	20	0.320	45	109	68	
25 x 2,3	¾	775 232 202	20	0.440	51	123	76	
32 x 3,0	1	775 232 203	10	0.550	59	124	67	

PF 1 27 140 210



Male Adaptor without insert stiffener, galvanized for PE pipe to R/EN 10226-1

Dim. PE [mm]	Dim. R [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	
20 x 2,0	½	775 202 771	20	0.250	45	73	31 - 33	
25 x 2,3	¾	775 202 772	20	0.280	51	79	31 - 33	
32 x 3,0	1	775 202 773	10	0.436	59	89	31 - 33	
40 x 3,7	1 ¼	775 202 774	5	0.671	68	92	32 - 38	
50 x 4,6	1 ½	775 202 775	5	0.780	75	96	35 - 43	
63 x 5,8	2	775 202 776	5	1.176				

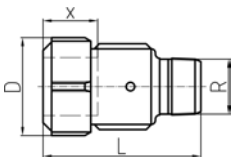
PF 1 27 140 001



Male Adaptor, galvanized for PE SDR 17,6/S 8,3 to R/EN 10226-1

including insert stiffener

*** 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	¾	775 202 602	20	0.295	51	79	31 - 33	
	25 x 2,3	¾	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 ¼	775 202 454	5	0.600	68	92	32 - 38	
***	50 x 2,9	1 ½	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	

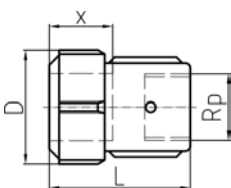
PF 1 27 140 011



Female Adaptor, galvanized for PE SDR 11/S 5 to Rp/EN 10226-1

including insert stiffener

*** according to EN 1555-2



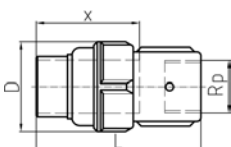
	Dim. PE [mm]	Dim. Rp [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	
***	20 x 2,0	½	775 212 201	30	0.227	45	58	31 - 33	
	25 x 2,3	¾	775 212 202	20	0.300	51	62	31 - 33	
	25 x 3,0	¾	775 212 442	20	0.300	51	62	31 - 33	
	32 x 3,0	1	775 212 203	10	0.400	59	68	31 - 33	
	40 x 3,7	1 ¼	775 212 204	5	0.560	68	70	32 - 38	
	50 x 4,6	1 ½	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, galvanized equal, for PE SDR 11/S 5 to Rp/EN 10226-1

including insert stiffener

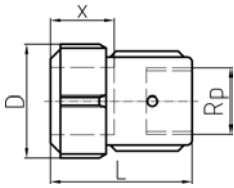


Dim. PE [mm]	Dim. Rp [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	
25 x 2,3	¾	775 322 102	20	0.496	51	98	76	
32 x 3,0	1	775 322 103	10	0.510	59	112	67	

PF 1 27 140 210



Female Adapter without insert stiffener, galvanised for PE pipe to Rp/EN 10226-1



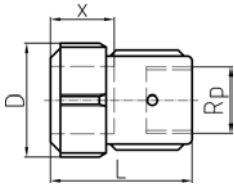
PF 1 27 140 001

Dim. PE [mm]	Dim. Rp [inch]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	
20 x 2,0	¾	775 212 771	30	0.212	45	58	31 - 33	
25 x 2,3	¾	775 212 772	20	0.292	51	62	31 - 33	
32 x 3,0	1	775 212 773	15	0.373	59	68	31 - 33	
40 x 3,7	1 ¼	775 212 774	5	0.543	68	70	32 - 38	
50 x 4,6	1 ½	775 212 775	5	0.670	75	75	35 - 43	
63 x 5,8	2	775 212 776	5	0.892	96	83	39 - 47	



Female Adaptor, galvanised for PE SDR 17,6/S 8,3 to Rp/EN 10226-1

including insert stiffener
*** according to EN 1555-2



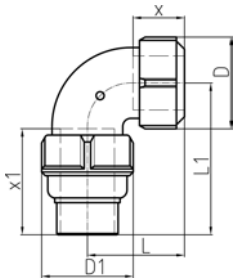
PF 1 27 140 011

	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	



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

including insert stiffener



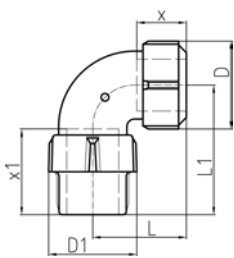
PF 1 27 140 210

Dim. St [inch]	Dim. PE [mm]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	x1 [mm]	
¾	25 x 2,3	775 412 152	10	0.702	51	103	30 - 34	76	
1	32 x 3,0	775 412 153	10	0.798	59	94	30 - 34	67	



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

including insert stiffener



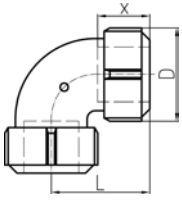
PF 1 27 140 210

Dim. St [inch]	Dim. PE [mm]	NBR Code	GP	kg	D [mm]	L [mm]	x [mm]	x1 [mm]	
¾	25 x 2,3	775 412 752	10	0.484	51	83	30 - 34	56	



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

including insert stiffener
*** according to EN 1555-2



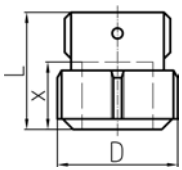
PF 1 27 140 410

	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 ¼	40 x 2,3	775 402 454	5	0.889	68	59	30 - 36	32 - 38
***	1 ½	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



Cap, galvanised for PE SDR 11/S 5

including insert stiffener
*** according to EN 1555-2



PF 1 27 140 710

	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



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

*** according to EN 1555-2

PF 1 27 140 090

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

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173 103 077	50	193 130 294	46	193 130 924	41
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193 155 084	43	193 280 301	22	193 281 218	95
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Consistent and Solution Oriented in Gas and Water Supply



ELGEF Plus

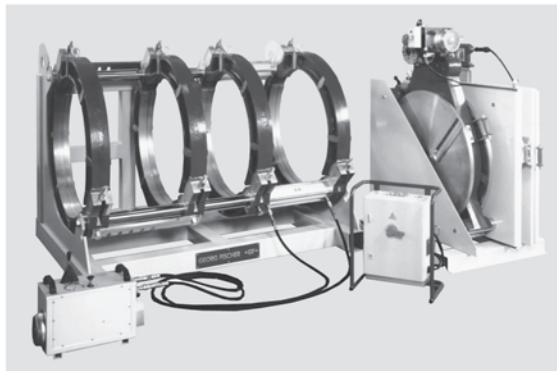
The modularity of this system renders ELGEF Plus a very convincing electrofusion system for Georg Fischer PE pressure piping.



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

- 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- licences 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 outstanding 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 a penalty amounting to 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 than the penalty forfeited.

11 Packing

- 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 undertakes to repair or replace at its discretion, as quickly as possible and free of charge, all Products supplied which demonstrably suffer from faulty design, materials or workmanship, from faulty operating or installation instructions or which become defective or unusable due to faulty advice. 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, unless Georg Fischer waives such claim.
- 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 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

- The rights and remedies of the customer are exclusively governed by these General Conditions of Supply. All further claims for damages, reduction of the purchase price, termination of or rescission of 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, third party recovery claims and other direct or indirect or consequential damages. This limitation of liability, however, does not apply in case unlawful intent or gross negligence on the part of Georg Fischer's management and in case of strict liability, in particular under applicable product liability statutes.

17 Severability

- 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.

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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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