



Your benefits

- + UV and weather-resistant
- + Outstanding abrasion resistance
- + High impact strength
- + Wide choice of jointing technologies

Technical data

Materials

PE

Dimensions range

20 mm to 1200 mm (ISO/DIN)

Jointing technology

Electro fusion, socket fusion, butt fusion, IR fusion

Operating pressure

Up to 16 bar

Operating temperature

-50°C to 60°C

The value above listed are to be considered for water, in case of use chemical addition it is always recommended to contact GF specialist to an individual and more detailed assessment.

Pressure-temperature diagram for PE

PE100

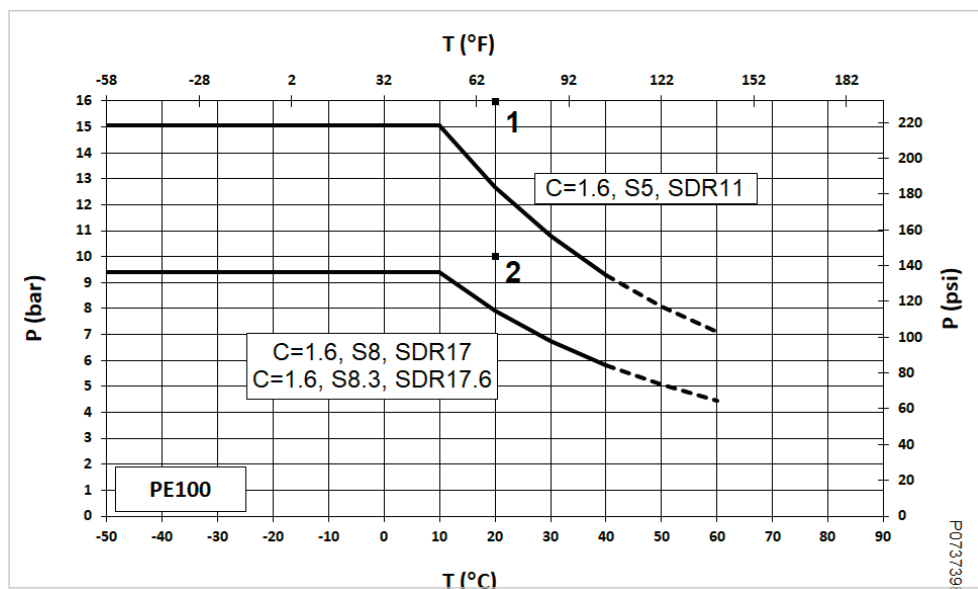
The following pressure-temperature diagram for PE100 pipe and fittings is valid for a service life of 25 years.

The design factor of 1.6 (or 1.25) recommended by GF Piping Systems has been incorporated.

The diagram can be used for water or media resembling water, in other words, media that have no reduction factor for chemical resistance.

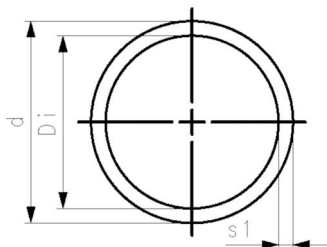
⚠ Please take into account the pressure-temperature diagrams for valves and special fittings. Because of the construction and/or sealing material used, differences are possible when compared to pipe and fittings. More information is available in the Planning Fundamentals of the relevant types of valves and special fittings.

In case of long-term operating pressure at temperatures above 40 °C, please contact your authorized GF Piping Systems representative.



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

PE100 pipes



PE100 SDR11 /

PN16 / S5 Model:

- Dimension: acc. to DIN 8074/75
- Colour: black
- Pipe length: 5m, with plain ends
- **Note 1:** DIBT Z-40.23-406 Approval
- Attention: Pressure rates refer to operating temperatures at 20°C. Higher temperatures and aggressive flow media reduce pressure load (see above DIN and our technical documentation). Pressure load capacity has to be determined in consideration with safety demands of the respective applications and calculated in accordance.

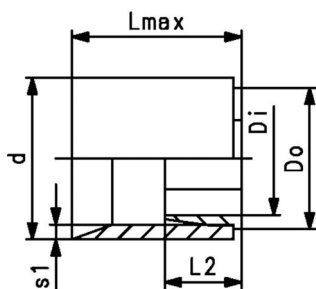
Note	d (mm)	Di (mm)	SDR	PN (bar)	Code	Weight (kg/m)	s1 (mm)
1	16	12.4	11	16	193 017 155	0.084	1.8
1	20	16.2	11	16	193 017 156	0.118	2.0
1	25	20.4	11	16	193 017 157	0.173	2.3
1	32	26.2	11	16	193 017 158	0.282	3.0
1	40	32.6	11	16	193 017 159	0.434	3.7
1	50	40.8	11	16	193 017 160	0.673	4.6
1	63	51.4	11	16	193 017 161	1.060	5.8
1	75	61.4	11	16	193 017 162	1.480	6.8
1	90	73.6	11	16	193 017 163	2.140	8.2
1	110	90.0	11	16	193 017 164	3.180	10.0
1	125	102.8	11	16	193 017 165	4.120	11.4
1	140	114.6	11	16	193 017 166	5.130	12.7
1	160	130.8	11	16	193 017 167	6.740	14.6
1	180	147.2	11	16	193 017 168	8.510	16.4
1	200	163.6	11	16	193 017 169	10.500	18.2
1	225	184.0	11	16	193 017 170	13.300	20.5
	250	204.6	11	16	193 017 171	16.300	22.7
	280	229.2	11	16	193 017 172	20.500	25.4
	315	257.8	11	16	193 017 173	25.900	28.6
	355	290.6	11	16	193 017 174	32.900	32.2
	400	327.4	11	16	193 017 175	41.700	36.3
	450	368.2	11	16	193 017 176	52.800	40.9
	500	409.2	11	16	193 017 177	65.200	45.4



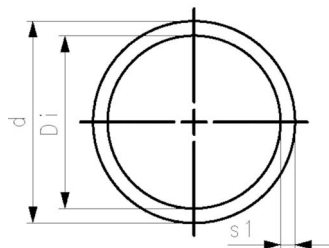
Stiffener PE100 d20-25mm

Model:

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



d (mm)	Di (mm)	DN (mm)	Code	Weight (kg/m)	Do (mm)	L2 (mm)	Lmax (mm)	s1 (mm)
20	14	15	733 900 006	0.001	18	1	9.5	1.9
25	18	20	733 900 007	0.001	23	1	11.0	2.3



pipe PE100 SDR17.6 /

PN10 / S8.3 Model:

- Dimension: acc. to DIN 8074/75
- Colour: black
- Pipe length: 5m, with plain ends
- **Note 1:** DIBT Z-40.23-406 Approval
- Attention: Pressure rates refer to operating temperatures at 20°C. Higher temperatures and aggressive flow media reduce pressure load (see above DIN and our technical documentation). Pressure load capacity has to be determined in consideration with safety demands of the respective applications and calculated in accordance.

Inflation surcharges for pipes are possible, they follow the current purchase of materials price.

Note	d (mm)	Di (mm)	SDR	PN (bar)	Code	Weight (kg/m)	s1 (mm)
1	25	21.4	17.6	10	193 017 107	0.139	1.8
1	32	28.4	17.6	10	193 017 108	0.198	2.0
1	40	35.4	17.6	10	193 017 109	0.288	2.3
1	50	44.2	17.6	10	193 017 110	0.445	2.9
1	63	55.8	17.6	10	193 017 111	0.695	3.6
1	75	66.4	17.6	10	193 017 112	0.987	4.3
1	90	79.8	17.6	10	193 017 113	1.400	5.1
1	110	97.4	17.6	10	193 017 114	2.100	6.3
1	125	110.8	17.6	10	193 017 115	2.690	7.1
1	140	124.0	17.6	10	193 017 116	3.370	8.0
1	160	141.8	17.6	10	193 017 117	4.400	9.1
1	180	159.6	17.6	10	193 017 118	5.540	10.2
1	200	177.2	17.6	10	193 017 119	6.860	11.4
1	225	199.4	17.6	10	193 017 120	8.640	12.8
	250	221.6	17.6	10	193 017 121	10.700	14.2
	280	248.2	17.6	10	193 017 122	13.300	15.9
	315	279.2	17.6	10	193 017 123	16.900	17.9
	355	314.8	17.6	10	193 017 124	21.400	20.1
	400	354.6	17.6	10	193 017 125	27.200	22.7
	450	400.0	17.6	10	193 017 126	34.300	25.5
	500	443.2	17.6	10	193 017 127	42.300	28.3

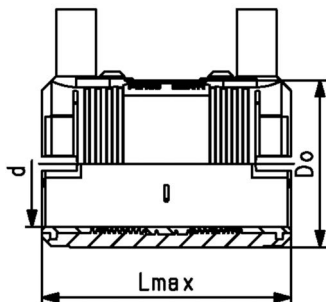
electrofusion fittings Coupler

Electrofusion coupler PE100 d20-63mm / SDR11



- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop
- With integral pipe fixation

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	SDR pipe
20	15	16	753 911 606	0.034	31	70	9-11
25	20	16	753 911 607	0.040	36	70	9-11
32	25	16	753 911 608	0.053	44	72	9-11
40	32	16	753 911 609	0.076	54	80	9-11
50	40	16	753 911 610	0.109	66	88	9-11
63	50	16	753 911 611	0.172	81	96	9-17.6

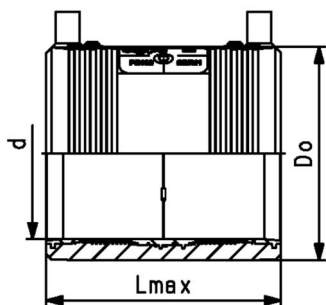


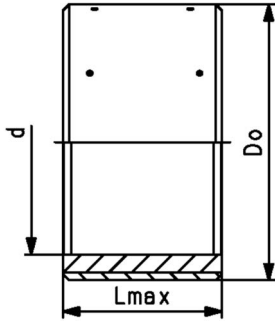
Electrofusion coupler PE100 d75-315mm / SDR11



- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop up to d160
- * FM 1613 approved - 15 bar

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	SDR pipe
75	65	16	753 911 612	0.282	96	110	9-17.6
*	90	80	753 911 613	0.406	113	125	9-17.6
*	110	100	753 911 614	0.692	138	145	9-17.6
*	125	100	753 911 615	0.718	154	156	9-17.6
*	140	125	753 911 616	0.945	172	166	9-17.6
*	160	150	753 911 617	1.362	196	180	9-17.6
*	180	150	753 911 618	1.747	219	192	9-17.6
*	200	200	753 911 619	1.866	244	208	9-17.6
*	225	200	753 911 620	3.329	273	225	9-17.6
*	250	250	753 911 621	4.678	304	248	9-17.6
*	280	250	753 911 622	7.500	340	252	9-17.6
*	315	300	753 911 623	8.142	382	267	9-17.6



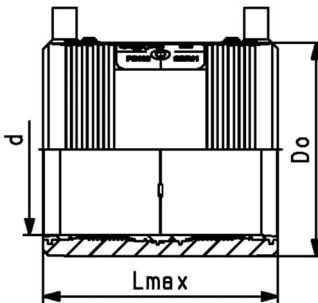


**Electrofusion coupler PE100
d355-800mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With active reinforcement
- Ø355 – 500 have two connected (monofilar) welding zones (Both pipe ends can be welded simultaneously)
- Ø560 – 800 have two separate (bifilar) welding zones (Both pipe ends can be welded separately)
- * FM 1613 approved - 15 bar

	d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	SDR pipe
*	355	350	16	753 911 704	13.098	438	291	9-17
*	400	400	16	753 911 705	18.320	493	295	9-17
*	450	450	16	753 911 706	24.700	554	327	9-17
*	500	500	16	753 911 707	33.700	616	358	9-17
	560	600	16	753 911 708	46.200	689	396	9-17
	630	600	16	753 911 709	65.300	775	440	9-17

**Electrofusion coupler PE100
d160-315mm / SDR17**



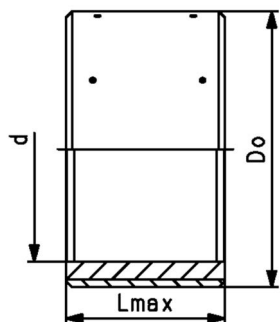
- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- d160 with removable centre stop

	d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	SDR pipe
	160	150	10	753 911 817	1.017	186	180	9-26
	180	150	10	753 911 818	1.434	213	192	9-26
	200	200	10	753 911 819	1.726	233	206	9-26
	225	200	10	753 911 820	2.545	261	225	9-26
	250	250	10	753 911 821	4.616	304	248	9-26
	280	250	10	753 911 822	5.606	340	252	9-26
	315	300	10	753 911 823	6.100	382	267	9-26



Electrofusion coupler PE100
d355-800mm / SDR17

- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With active reinforcement
- Ø355 – 500 have two connected (monofilar) welding zones (Both pipe ends can be welded simultaneously)
- Ø560 – 800 have two separate (bifilar) welding zones (Both pipe ends can be welded separately)



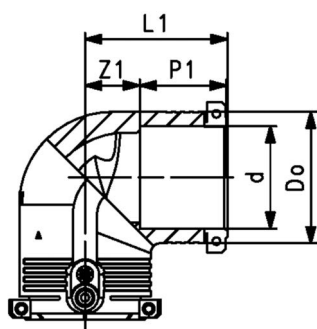
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	SDR pipe
355	350	10	753 911 804	9.522	416	291	17-33
400	400	10	753 911 805	13.000	467	295	17-33
450	450	10	753 911 806	18.000	526	327	17-33
500	500	10	753 911 807	22.000	584	358	17-41
560	600	10	753 911 808	34.000	647	396	17-41
630	600	10	753 911 809	46.000	727	440	17-41

Elbows



Elbow 90° PE100
d20-63mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With integral pipe fixation

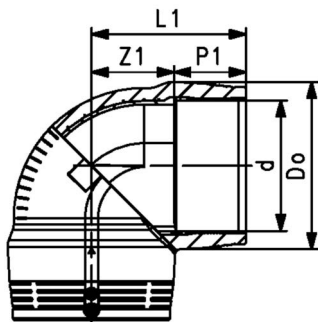


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	Z1 (mm)	SDR pipe
20	15	16	753 101 606	0.080	35	54	34	20	9-11
25	20	16	753 101 607	0.074	35	54	34	20	9-11
32	25	16	753 101 608	0.094	44	53	36	17	9-11
40	32	16	753 101 609	0.128	54	62	39	23	9-11
50	40	16	753 101 610	0.196	66	71	43	28	9-11
63	50	16	753 101 611	0.312	81	81	48	32	9-17.6



**Elbow 90° PE100
d75-180mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

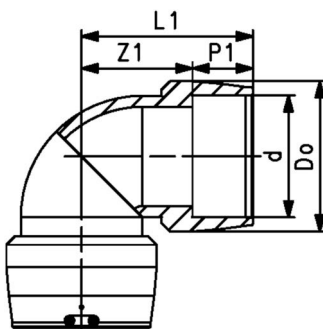


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	Z1 (mm)	SDR pipe
75	65	16	753 101 612	0.415	97	94	54	40	9-17.6
90	80	16	753 101 813	0.828	115	122	62	60	9-17.6
110	100	16	753 101 814	1.224	140	147	72	76	9-17.6
125	100	16	753 101 815	1.742	160	155	77	68	9-17.6
140	125	16	753 101 816	2.762	185	170	83	87	9-17.6
160	150	16	753 101 817	3.830	196	191	89	102	11-17.6
180	150	16	753 101 818	5.410	219	210	96	114	11-17.6



**Elbow 90° PE100
d200-250mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

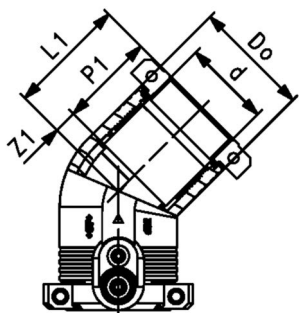


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	Z1 (mm)	SDR pipe
200	200	16	753 101 819	9.320	250	298	104	194	11-26
225	200	16	753 101 820	13.220	280	318	112	206	11-26
250	250	16	753 101 821	16.600	310	347	123	224	11-26



**Elbow 45° PE100
d32-63mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With integral pipe fixation

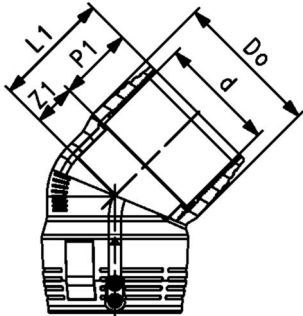


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	Z1 (mm)	SDR pipe
32	25	16	753 151 608	0.075	44	44	36	8	9-11
40	32	16	753 151 609	0.106	54	50	39	11	9-11
50	40	16	753 151 610	0.171	66	56	43	13	9-11
63	50	16	753 151 611	0.252	81	63	48	15	9-17.6



**Elbow 45° PE100
d75-180mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

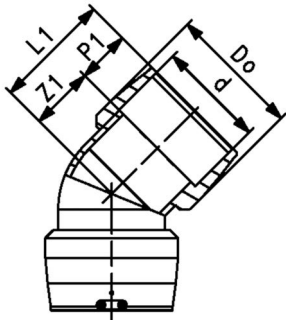


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	Z1 (mm)	SDR pipe
75	65	16	753 151 612	0.332	97	71	54	17	9-17.6
90	80	16	753 151 813	0.583	115	91	62	29	9-17.6
110	100	16	753 151 814	0.985	140	112	72	40	9-17.6
125	100	16	753 151 815	1.438	160	119	78	49	9-17.6
140	125	16	753 151 816	2.242	185	125	83	42	9-17.6
160	150	16	753 151 817	3.055	196	135	89	46	11-17.6
180	150	16	753 151 818	4.037	217	144	95	47	11-17.6



**Elbow 45° PE100
d200-250mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones



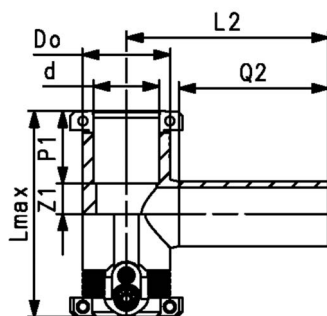
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	Z1 (mm)	SDR pipe
200	200	16	753 151 819	7.566	250	232	104	128	11-26
225	200	16	753 151 820	11.300	280	247	112	135	11-26
250	250	16	753 151 821	13.500	310	275	123	152	11-26

Tees



Tee 90° PE100
d20-63mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With integral pipe fixation

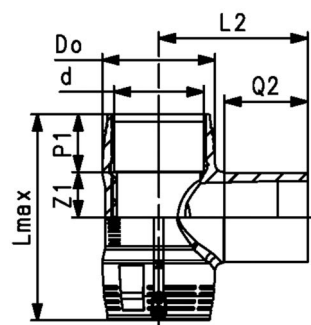


d	DN	PN	Code	Weight	Do	L2	Lmax	P1	Z1	Q2	SDR pipe
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
20	15	16	753 211 606	0.085	35	92	88	32	11	67	9-11
25	20	16	753 211 607	0.075	35	92	90	32	11	70	9-11
32	25	16	753 211 608	0.118	44	100	102	34	15	74	9-11
40	32	16	753 211 609	0.175	54	114	119	39	21	82	9-11
50	40	16	753 211 610	0.252	66	126	135	42	24	90	9-11
63	50	16	753 211 611	0.407	81	150	151	46	28	102	9-17.6



Tee 90° PE100
d75-180mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators



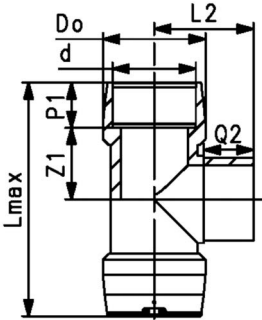
d	DN	PN	Code	Weight	Do	L2	Lmax	P1	Z1	Q2	SDR pipe
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
75	65	16	753 211 612	0.569	97	143	178	54	35	87	9-17.6
90	80	16	753 201 813	0.891	115	161	205	62	41	94	9-17.6
110	100	16	753 201 814	1.576	140	184	255	72	56	104	9-17.6
125	100	16	753 201 815	2.212	161	207	276	78	60	113	9-17.6
140	125	16	753 201 816	3.639	185	260	300	83	67	120	9-17.6
160	150	16	753 201 817	4.386	196	206	325	92	71	103	11-17.6
180	150	16	753 201 818	6.796	225	250	344	90	82	110	11-17.6



**Tee 90° PE100
d200-250mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

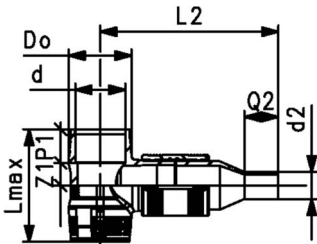
d	DN	PN	Code	Weight	Do	L2	Lmax	P1	Z1	Q2	SDR pipe
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
200	200	16	753 201 819	10.800	250	250	590	104	191	117	11-26
225	200	16	753 201 820	15.900	280	270	636	112	206	122	11-26
250	250	16	753 201 821	18.900	310	288	685	123	220	127	11-26



**Tee 90° reduced (kit) PE100
d25-180mm / SDR11**

- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Coupler and Spigot Reducer

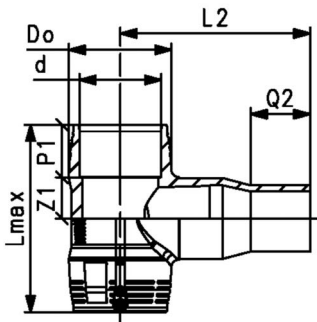
d	d2	DN	PN	Code	Weight	Do	L2	Lmax	P1	Z1	Q2	SDR pipe
(mm)	(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
40	20	32	16	193 281 004	0.314	54	244	120	39	21	41	9-17.6
40	25	32	16	193 281 005	0.319	54	244	120	39	21	41	9-17.6
75	40	65	16	193 280 998	1.060	97	296	187	61	33	49	9-17.6
90	50	80	16	193 280 999	1.655	112	336	202	61	41	55	9-17.6
110	63	100	16	193 280 961	2.812	136	336	242	65	56	63	9-17.6
125	63	100	16	193 280 963	3.673	151	361	256	75	53	63	9-17.6
125	110	100	16	193 280 965	3.920	151	389	256	75	53	82	9-17.6
180	90	150	16	193 281 032	10.891	225	487	344	90	82	79	11-17.6
180	110	150	16	193 281 033	10.465	225	495	344	90	82	82	11-17.6

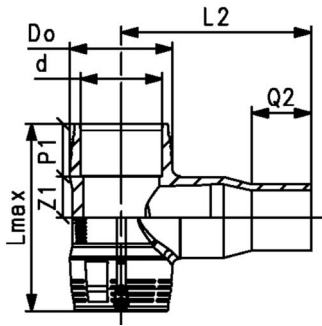


**Tee 90° reduced PE100
d90-250mm / SDR11**

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- * Two separate fusion zones

d	d2	DN	PN	Code	Weight
(mm)	(mm)	(mm)	(bar)		(kg)
110	90	100	16	753 211 034	1.652
125	90	100	16	753 211 035	2.242
140	63	125	16	753 901 867	2.879
140	75	125	16	753 901 868	2.938
140	90	125	16	753 901 869	3.044
140	110	125	16	753 901 870	3.234
160	63	150	16	753 211 025	3.737
160	90	150	16	753 211 026	3.855
160	110	150	16	753 211 027	3.973
*	200	90	200	753 211 059	9.012
*	200	110	200	753 211 060	12.400





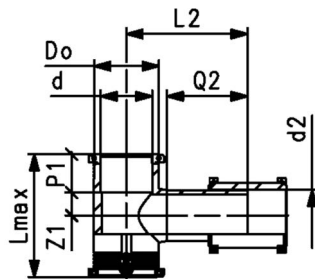
	d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)
*	200	160	200	16	753 211 063	12.400
*	225	90	200	16	753 211 069	13.100
*	225	110	200	16	753 211 070	13.100
*	225	160	200	16	753 211 073	13.600
*	250	110	250	16	753 211 080	11.660
*	250	160	250	16	753 211 083	17.070

	d (mm)	Do (mm)	L2 (mm)	Lmax (mm)	P1 (mm)	Z1 (mm)	Q2 (mm)	SDR pipe
	110	140	245	255	72	56	80	9-17.6
	125	156	245	276	75	53	80	9-17.6
	140	185	220	300	83	67	80	9-17.6
	140	185	230	300	83	67	90	9-17.6
	140	185	235	300	83	67	95	9-17.6
	140	185	245	300	83	67	105	9-17.6
	160	208	178	330	89	76	63	11-17.6
	160	208	209	330	89	76	94	11-17.6
	160	208	219	330	89	76	104	11-17.6
*	200	250	216	595	104	194	81	11-26
*	200	250	219	600	104	194	84	11-26
*	200	250	237	595	104	194	101	11-26
*	225	280	228	666	112	217	80	11-26
*	225	280	238	670	112	217	85	11-26
*	225	280	258	667	112	217	105	11-26
*	250	310	284	709	123	220	85	11-26
*	250	310	266	711	123	220	101	11-26



Tee 90° (kit) PE100
d20-160mm / SDR11 / Equal or reduced with weldable outlet

- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Coupler or Reducer



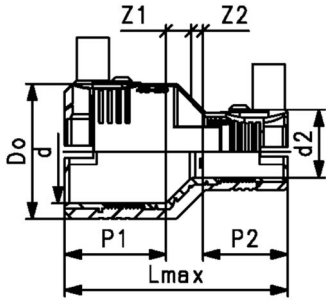
	d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L2 (mm)	Lmax (mm)	P1 (mm)	Z1 (mm)	Q2 (mm)
	20	20	15	16	753 201 606	0.161	35	92	90	34	11	67
	25	25	20	16	753 201 607	0.122	35	92	90	34	11	70
	32	32	25	16	753 201 608	0.201	44	100	102	36	15	74
	40	32	32	16	193 281 006	0.288	54	127	120	39	21	95
	40	40	32	16	753 201 609	0.285	54	114	120	39	21	82
	50	32	40	16	193 281 007	0.364	66	144	135	43	24	108
	50	40	40	16	193 281 008	0.407	66	140	135	43	24	104
	50	50	40	16	753 201 610	0.389	66	126	135	43	24	90
	63	32	50	16	193 280 997	0.550	81	173	152	48	28	125
	63	40	50	16	193 281 009	0.566	81	169	152	48	28	121
	63	50	50	16	193 281 010	0.628	81	165	152	48	28	117
	63	63	50	16	753 201 611	0.615	81	150	152	48	28	102
	90	63	80	16	193 281 011	1.311	112	182	202	61	41	120
	90	90	80	16	753 201 613	1.342	112	146	202	61	41	84
	110	90	100	16	193 281 012	2.343	136	200	242	65	56	127
	110	110	100	16	753 201 614	2.329	136	161	242	65	56	88
	125	90	100	16	193 281 013	3.146	151	214	256	75	53	132
	125	125	100	16	753 201 615	2.960	151	174	256	75	53	92
	160	110	150	16	193 281 030	7.443	196	271	325	92	71	168
	160	160	150	16	753 201 617	6.359	196	206	325	92	71	103
	180	125	150	16	193 281 031	9.654	225	330	344	90	82	190
	180	180	150	16	753 201 618	8.561	225	250	344	90	82	110

Reducers



Reducer PE100 d20-63mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With integral pipe fixation

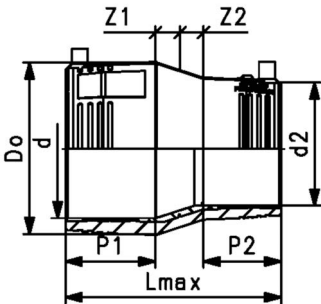


d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	P2 (mm)	Z1 (mm)	Z2 (mm)	SDR pipe
25	20	20	16	753 901 639	0.051	35	74	34	34	3.0	3.0	9-11
32	20	25	16	753 901 640	0.056	44	79	36	33	5.0	5.0	9-11
32	25	25	16	753 901 641	0.062	44	79	36	33	5.0	5.0	9-11
40	20	32	16	753 901 644	0.069	54	88	39	33	7.5	7.5	9-11
40	25	32	16	753 901 645	0.084	54	88	39	33	7.5	7.5	9-11
40	32	32	16	753 901 646	0.095	54	88	39	33	6.5	6.5	9-11
50	32	40	16	753 901 651	0.124	66	96	43	35	9.0	9.0	9-11
50	40	40	16	753 901 652	0.119	66	96	43	39	7.0	7.0	9-11
63	32	50	16	753 901 656	0.158	81	105	48	35	11.5	11.5	9-11
63	40	50	16	753 901 657	0.176	81	105	48	39	9.5	9.5	9-11
63	50	50	16	753 901 658	0.176	81	105	48	43	7.5	7.5	9-11



Reducer PE100 d63-180mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

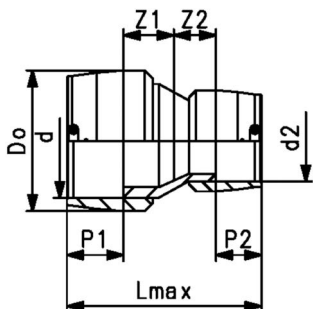


d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	P2 (mm)	Z1 (mm)	Z2 (mm)	SDR pipe
90	63	80	16	753 901 831	0.385	113	146	63	47	18.0	18.0	9-11
110	63	100	16	753 901 832	0.644	140	184	71	58	27.5	27.5	9-11
110	90	100	16	753 901 833	0.700	138	173	73	63	19.0	19.0	9-17.6
125	90	100	16	753 901 836	0.891	152	194	77	62	27.5	27.5	9-17.6
160	90	150	16	753 901 839	1.600	202	227	90	72	32.5	32.5	9-11
160	110	150	16	753 901 864	1.783	202	226	90	71	32.5	32.5	9-17.6
180	125	150	16	753 901 865	2.340	225	254	96	78	40.0	40.0	9-17.6



Reducer PE100 d200/160-250/225mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

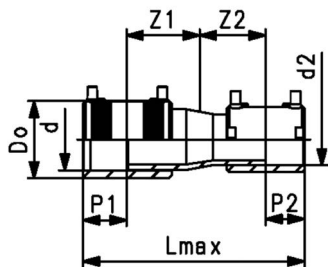


d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	P2 (mm)	Z1 (mm)	Z2 (mm)	SDR pipe
200	160	200	16	753 901 837	5.098	250	365	104	90	85.5	85.5	11-26
225	160	200	16	753 901 838	6.000	280	385	112	90	91.5	91.5	11-26
225	200	200	16	753 901 845	8.200	280	390	112	104	86.5	86.5	11-26
250	160	250	16	753 901 840	7.860	310	400	123	90	93.5	93.5	11-26
250	200	250	16	753 901 841	8.480	310	417	123	104	100.0	100.0	11-26
250	225	250	16	753 901 842	8.450	310	430	123	112	102.0	102.0	11-26



Reducer (kit) PE100
d75/40-180/110mm / SDR11

- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Coupler and Spigot Reducer



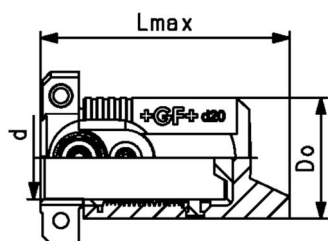
d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	P2 (mm)	Z1 (mm)	Z2 (mm)
75	40	65	16	193 280 992	0.574	96	265	55	40	85.0	85.0
75	50	65	16	193 280 993	0.623	96	269	55	44	85.0	85.0
75	63	65	16	193 280 994	0.700	96	273	55	48	85.0	85.0
90	50	80	16	193 280 958	0.857	113	297	63	44	95.0	95.0
90	75	80	16	193 280 995	1.071	113	308	63	55	95.0	95.0
110	75	100	16	193 280 996	1.496	138	333	73	55	102.5	102.5
125	63	100	16	193 280 953	1.567	154	314	79	48	93.5	93.5
125	110	100	16	193 280 951	2.098	154	367	79	73	107.5	107.5
160	125	150	16	193 280 952	3.252	196	414	90	79	122.5	122.5
180	110	150	16	193 280 959	4.167	214	413	95	73	122.5	122.5

End caps



End cap PE100
d20-63mm / SDR11

- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With integral pipe fixation



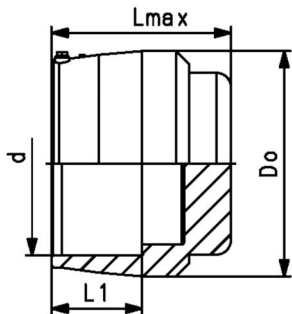
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	SDR pipe
20	15	16	753 961 606	0.041	35	52	9-11
25	20	16	753 961 607	0.046	35	52	9-11
32	25	16	753 961 608	0.058	44	52	9-11
40	32	16	753 961 609	0.064	54	56	9-11
50	40	16	753 961 610	0.154	66	60	9-11
63	50	16	753 961 611	0.142	81	66	9-17.6

**End cap PE100
d160-250mm / SDR11**



- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	Lmax (mm)	SDR pipe
160	150	16	753 961 617	1.782	200	90	180	11-17.6
200	200	16	753 961 619	3.585	250	104	200	11-26
225	200	16	753 961 620	4.500	280	112	212	11-26
250	250	16	753 961 621	6.300	310	123	217	11-26

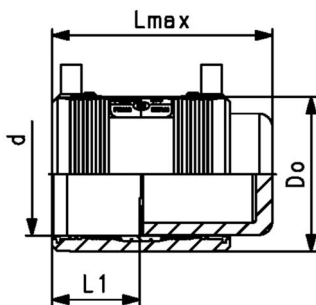


**End cap (kit) PE100
d75-225mm / SDR11**



- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Coupler

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	Lmax (mm)
75	65	16	753 961 712	0.446	96	53	135
90	80	16	753 961 713	0.663	113	60	153
110	100	16	753 961 714	1.090	133	70	171
125	100	16	753 961 715	1.345	155	75	184
140	125	16	753 961 716	2.250	175	80	170
160	150	16	753 961 717	2.382	197	87	180
180	150	16	753 961 718	3.098	220	95	225
200	200	16	753 961 719	4.180	245	102	208
225	200	16	753 961 720	5.852	296	110	224

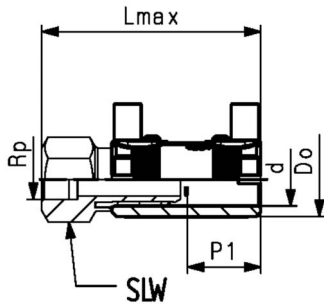


Transition fittings

Transition coupler PE/stainless steel d20-63mm / SDR11 / Female thread Rp



- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

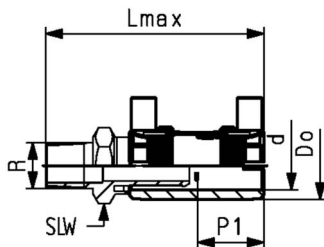


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	SLW (mm)	SDR pipe
20	Rp	½	15	16	724 920 256	0.179	31	100	34	30	9-11
25	Rp	¾	20	16	724 920 257	0.231	36	101	34	35	9-11
32	Rp	1	25	16	724 920 258	0.319	44	108	34	40	9-11
40	Rp	1 ¼	32	16	724 920 259	0.480	54	118	39	50	9-11
50	Rp	1 ½	40	16	724 920 260	0.646	66	126	43	60	9-11
63	Rp	2	50	16	724 920 261	0.931	81	138	46	70	9-17.6

Transition coupler PE/stainless steel d20-63mm / SDR11 / Male thread R



- 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

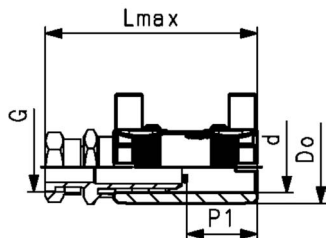


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	SLW (mm)	SDR pipe
20	R	½	15	16	724 920 756	0.165	31	110	34	30	9-11
25	R	¾	20	16	724 920 757	0.249	36	111	34	35	9-11
32	R	1	25	16	724 920 758	0.332	44	117	34	40	9-11
40	R	1 ¼	32	16	724 920 759	0.464	54	127	39	50	9-11
50	R	1 ½	40	16	724 920 760	0.611	66	135	43	60	9-11
63	R	2	50	16	724 920 761	0.942	81	147	46	70	9-17.6

**Transition coupler PE/brass
d25-63mm / SDR11 / Loose nut G**



- 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)

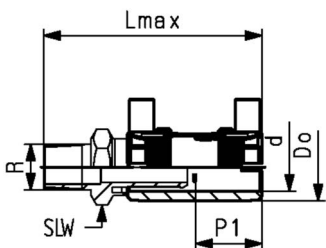


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	G (mm)	SDR pipe
25	G	¾	20	16	720 910 007	0.232	36	104	34	15	9-11
32	G	1	25	16	720 910 008	0.297	44	110	34	20	9-11
50	G	1 ½	40	16	720 910 010	0.736	66	133	43	29	9-11
63	G	2	50	16	720 910 011	1.251	81	145	46	36	9-17.6

**Transition coupler PE/brass
d20-63mm / SDR11 / Male thread R**



- 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 with coupler or * reducer

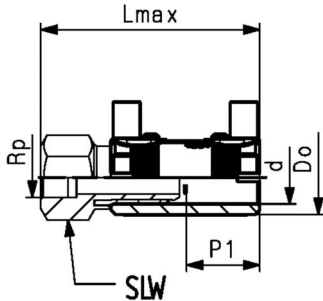


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	SLW (mm)	SDR pipe
20	R	½	15	16	720 920 756	0.187	31	110	34	30	9-11
20	R	1	15	16	720 920 754	0.344	44	124	34	40	9-11
25	R	¾	20	16	720 920 757	0.254	36	111	34	35	9-11
25	R	1	20	16	720 920 763	0.340	44	124	34	40	9-11
32	R	½	25	16	720 920 764	0.213	44	121	34	30	9-11
32	R	¾	25	16	720 920 765	0.268	44	122	34	35	9-11
32	R	1	25	16	720 920 758	0.340	44	117	34	40	9-11
32	R	1 ¼	25	16	720 920 766	0.489	54	135	34	50	9-11
32	R	1 ½	25	16	720 920 767	0.635	60	143	34	60	9-11
32	R	2	25	16	720 920 768	1.000	81	157	34	70	9-11
40	R	1	32	16	720 920 771	0.364	54	133	39	40	9-11
40	R	1 ¼	32	16	720 920 759	0.514	54	127	39	50	9-11
40	R	1 ½	32	16	720 920 772	0.645	66	143	39	60	9-11
40	R	2	32	16	720 920 773	0.961	81	157	39	70	9-11
50	R	1	40	16	720 920 776	0.367	66	141	43	40	9-11
50	R	1 ¼	40	16	720 920 777	0.554	66	143	43	50	9-11
50	R	1 ½	40	16	720 920 760	0.652	66	135	43	60	9-11
50	R	2	40	16	720 920 778	0.971	81	157	43	70	9-11
63	R	1	50	16	720 920 781	0.441	81	151	46	40	9-11
63	R	1 ¼	50	16	720 920 782	0.600	81	153	46	40	9-11
63	R	1 ½	50	16	720 920 783	0.712	81	153	46	60	9-17.6
63	R	2	50	16	720 920 761	0.943	81	147	46	70	9-17.6

Transition coupler PE/brass
d32-63mm / SDR11 / Female thread Rp



- 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

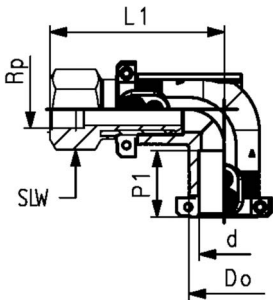


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	P1 (mm)	SLW (mm)
32	Rp	1	25	16	720 920 258	0.306	44	108	34	40
40	Rp	1 ¼	32	16	720 920 259	0.496	54	118	39	50
50	Rp	1 ½	40	16	720 920 260	0.725	66	126	43	60
63	Rp	1	50	16	720 920 281	1.300	81	138	46	70
63	Rp	1 ¼	50	16	720 920 282	1.230	81	138	46	70
63	Rp	1 ½	50	16	720 920 283	1.134	81	138	46	70
63	Rp	2	50	16	720 920 261	1.057	81	138	46	70

Transition elbow 90° PE/stainless steel
d20-63mm / SDR11 / Female thread Rp



- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

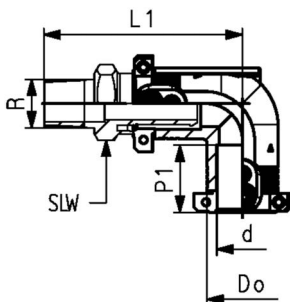


d (mm)	DN (mm)	Thread Type	Size (inch)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	SLW (mm)	SDR pipe
20	15	Rp	½	16	724 100 256	0.211	31	86	32	30	9-11
25	20	Rp	¾	16	724 100 257	0.237	36	87	32	35	9-11
32	25	Rp	1	16	724 100 258	0.320	44	89	34	40	9-11
40	32	Rp	1 ¼	16	724 100 259	0.545	54	100	38	50	9-11
50	40	Rp	1 ½	16	724 100 260	0.805	66	109	42	60	9-11
63	50	Rp	2	16	724 100 261	1.020	81	123	46	70	9-17.6

Transition elbow 90° PE/stainless steel
d20-63mm / SDR11 / Male thread R



- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

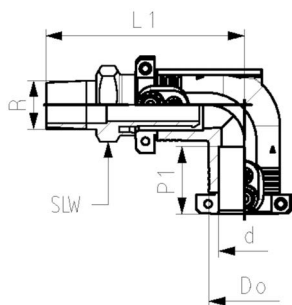


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	SLW (mm)	SDR pipe
20	R	½	15	16	724 100 756	0.211	31	96	32	30	9-11
25	R	¾	20	16	724 100 757	0.230	36	97	32	35	9-11
32	R	1	25	16	724 100 758	0.324	44	98	34	40	9-11
40	R	1 ¼	32	16	724 100 759	0.560	54	109	38	50	9-11
50	R	1 ½	40	16	724 100 760	0.701	66	118	42	60	9-11
63	R	2	50	16	724 100 761	1.105	81	132	46	70	9-17.6

**Transition elbow 90° PE/brass
d20-63mm / SDR11 / Male thread R**



- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

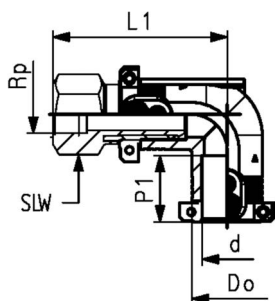


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	SLW (mm)	SDR pipe
20	R	¾	15	16	720 100 756	0.240	31	96	32	30	9-11
25	R	¾	20	16	720 100 757	0.260	36	97	32	35	9-11
32	R	1	25	16	720 100 758	0.368	44	98	34	40	9-11
32	R	1 ¼	25	16	720 100 766	0.500	44	100	34	50	9-11
32	R	1 ½	25	16	720 100 767	0.562	44	100	34	60	9-11
40	R	1	32	16	720 100 771	0.511	54	107	38	50	9-11
40	R	1 ¼	32	16	720 100 759	0.534	54	109	38	50	9-11
40	R	1 ½	32	16	720 100 772	0.615	54	109	38	60	9-11
50	R	1	40	16	720 100 776	0.677	66	116	42	60	9-11
50	R	1 ¼	40	16	720 100 777	0.771	66	118	42	60	9-11
50	R	1 ½	40	16	720 100 760	0.734	66	118	42	60	9-11
63	R	1 ¼	50	16	720 100 782	1.040	81	128	46	70	9-17.6
63	R	1 ½	50	16	720 100 783	1.039	81	128	46	70	9-17.6
63	R	2	50	16	720 100 761	1.108	81	132	46	70	9-17.6

**Transition elbow 90° PE/brass
d32-63mm / SDR11 / Female thread Rp**



- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

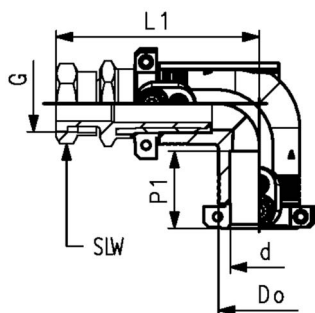


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	P1 (mm)	SLW (mm)	SDR pipe
32	Rp	1	25	16	720 100 258	0.359	44	89	34	40	9-11
40	Rp	1 ¼	32	16	720 100 259	0.525	54	100	38	50	9-11
50	Rp	1 ½	40	16	720 100 260	0.825	66	109	42	60	9-11
63	Rp	1	50	16	720 100 281	1.420	81	123	46	70	9-11
63	Rp	1 ¼	50	16	720 100 282	1.391	81	123	46	70	9-17.6
63	Rp	1 ½	50	16	720 100 283	1.305	81	123	46	70	9-17.6
63	Rp	2	50	16	720 100 261	1.165	81	123	46	70	9-17.6

**Transition elbow 90° PE/brass
d25-63mm / SDR11 / Loose nut G**



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



d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	SDR pipe
25	Rp	¾	20	16	720 100 007	0.240	36	90	9-11
32	Rp	1	25	16	720 100 008	0.347	44	91	9-11
50	Rp	1 ½	40	16	720 100 010	0.850	66	116	9-11
63	Rp	1	50	16	720 100 021	1.114	81	121	9-17.6
63	Rp	2	50	16	720 100 011	1.375	81	129	9-17.6

Accessories

Degreasing Tissues



- For degreasing the PE pipe surface prior to fusion

description	Type	Code	Weight (kg)
For pipes up to d225 mm	large	799 496 011	0.008

Marker



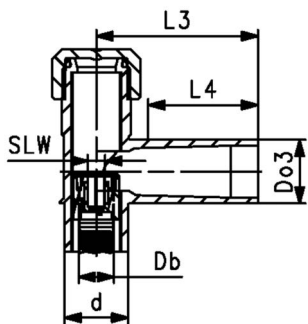
Type	Code	Weight (kg)
silver	799 350 364	0.010

saddles Modular system



Tapping tee PE100 d63mm / SDR11

- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Long fusion outlet
- O-ring-sealed screw cap
- For Branch Saddle d63-225mm, pipe SDR11
- For Branch Saddle d110-315mm, pipe SDR17
- * For Branch Saddle d250-315mm, pipe SDR 11 and d250-400mm, pipe SDR 17
- ** For Branch Saddle d110-225mm, pipe SDR 11 and d110-315mm, pipe SDR 17

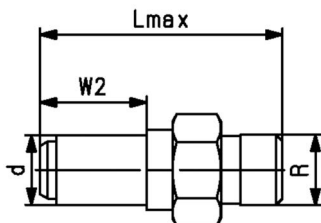


d (mm)	Do3 (mm)	DN (mm)	PN (bar)	SDR	Code	Weight (kg)	L3 (mm)	L4 (mm)	Db (mm)	SLW (mm)
63	20	50	16	11	193 280 358	0.380	130	69	32	17
63	25	50	16	11	193 280 359	0.375	130	70	32	17
63	32	50	16	11	193 280 184	0.400	130	76	32	17
63	40	50	16	11	193 280 360	0.396	137	81	32	17
63	63	50	16	11	193 280 185	0.687	160	100	35	17
*	63	63	50	16	193 280 711	1.120	160	100	35	17
**	63	63	50	16	193 280 290	1.086	160	100	41	17

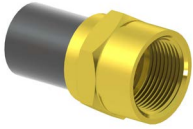


Transition adapter PE/brass d20-63mm / SDR11 / Male thread R

- 10 bar Gas / 16 bar Water
- Only for Couplers and Fittings

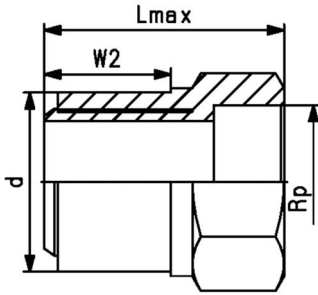


d (mm)	Thread Type	R (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	W2 (mm)
20	R ½	15	16	720 920 706	0.133	75	33	
25	R ¾	20	16	720 920 707	0.182	76	33	
32	R 1	25	16	720 920 708	0.257	80	35	
32	R 1 ¼	25	16	720 920 718	0.370	82	35	
32	R 1 ½	25	16	720 920 728	0.437	82	35	
40	R 1	32	16	720 920 719	0.358	84	39	
40	R 1 ¼	32	16	720 920 709	0.405	86	39	
40	R 1 ½	32	16	720 920 729	0.454	86	39	
50	R 1	40	16	720 920 720	0.505	88	43	
50	R 1 ¼	40	16	720 920 730	0.539	90	43	
50	R 1 ½	40	16	720 920 710	0.514	90	43	
63	R 1 ¼	50	16	720 920 721	0.739	94	47	
63	R 1 ½	50	16	720 920 731	0.709	94	47	
63	R 2	50	16	720 920 711	0.762	98	47	



**Transition adapter PE/brass
d25-63mm / SDR11 / Female thread Rp**

- 10 bar Gas / 16 bar Water
- Only for Couplers and Fittings

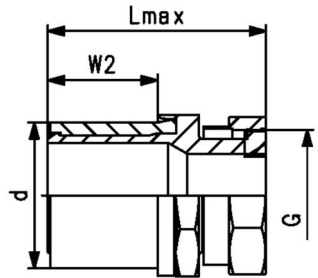


d (mm)	Thread Type	Rp (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	W2 (mm)
25	Rp	¾	20	16	720 920 207	0.181	66	33
32	Rp	1	25	16	720 920 208	0.246	71	35
40	Rp	1 ¼	32	16	720 920 209	0.386	77	39
50	Rp	1 ½	40	16	720 920 210	0.520	81	43
63	Rp	1	50	16	720 920 221	0.780	83	47
63	Rp	1 ¼	50	16	720 920 231	1.062	85	47
63	Rp	1 ½	50	16	720 920 241	0.740	85	47
63	Rp	2	50	16	720 920 211	0.729	89	47



**Transition adapter PE/brass
d25-63mm / SDR11 / Loose nut G**

- 16 bar Water
- Only for Couplers and Fittings
- Incl. flat gasket for water applications (KTW / WRAS approved)

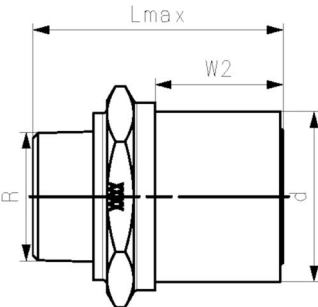


d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	G (mm)	W2 (mm)
25	G	¾	20	16	720 920 007	0.152	68	15	32
32	G	1	25	16	720 920 008	0.235	72	20	34
50	G	1 ½	40	16	720 920 010	0.584	87	29	42
63	G	1	50	16	720 920 021	0.804	87	20	46
63	G	2	50	16	720 920 011	1.018	95	36	46



**Transition adapter PE/stainless steel
d20-63mm / SDR11 / Male thread R**

- 10 bar Gas / 16 bar Water
- Only for Couplers and Fittings
- Stainless steel V2A (1.4305)

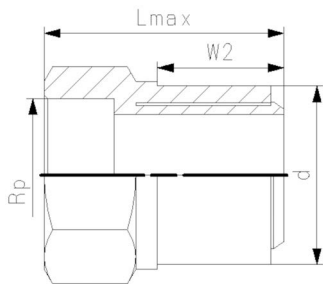


d (mm)	Thread Type	R (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	W2 (mm)
20	R	½	15	16	724 920 706	0.120	75	33
25	R	¾	20	16	724 920 707	0.179	76	33
32	R	1	25	16	724 920 708	0.244	80	35
40	R	1 ¼	32	16	724 920 709	0.380	86	39
50	R	1 ½	40	16	724 920 710	0.478	90	43
63	R	1 ½	50	16	724 920 721	0.653	98	47
63	R	2	50	16	724 920 711	0.722	98	47



**Transition adapter PE/stainless steel
d20-63mm / SDR11 / Female thread Rp**

- 10 bar Gas / 16 bar Water
- Only for Couplers and Fittings
- Stainless steel V2A (1.4305)

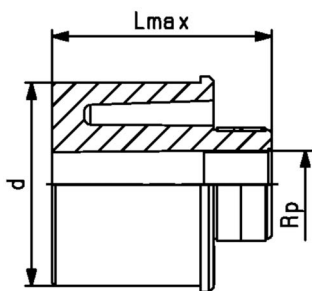


d (mm)	Thread Type	Rp (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	W2 (mm)
20	Rp	½	15	16	724 920 206	0.128	65	33
25	Rp	¾	20	16	724 920 207	0.181	66	33
32	Rp	1	25	16	724 920 208	0.237	71	35
40	Rp	1 ¼	32	16	724 920 209	0.373	77	39
50	Rp	1 ½	40	16	724 920 210	0.527	81	43
63	Rp	2	50	16	724 920 211	0.733	89	47



**Adapter PE100 d63mm / SDR11 /
Female thread Rp**

- 5 bar Gas / 16 bar Water
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- For Branch Saddle d63-400mm, pipe SDR11; d110-400mm, pipe SDR17
- Parallel female thread



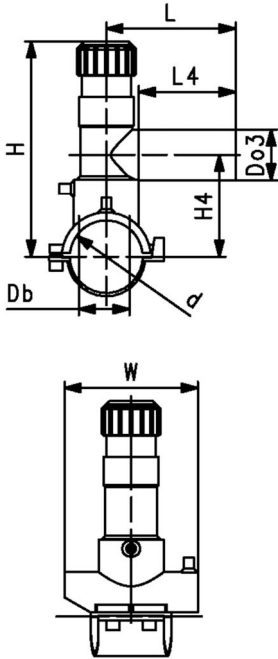
d (mm)	Thread Type	Rp (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)
63	Rp	½	50	16.0	193 281 617	0.130	68

Tapping saddles

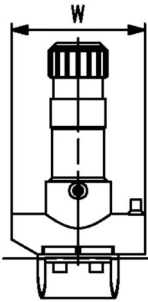
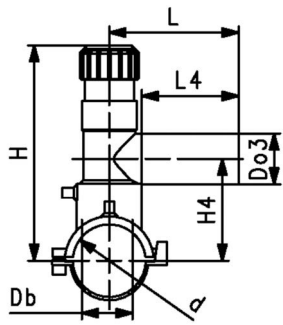


Tapping saddle PE100 d63-400mm/ SDR11 / With 360° rotatable outlet

- 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
 - d355-400mm. Not suitable for pipes if wall thickness is larger than SDR17 pipes.
- * Topload: delivery without lower part for assembling as Topload with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required



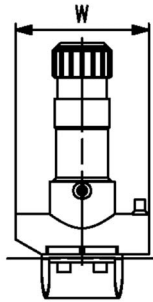
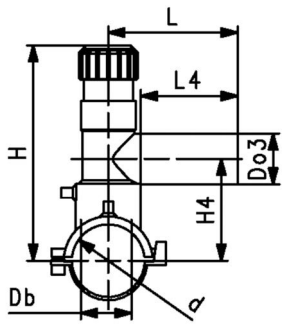
d (mm)	Do3 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)
63	20	50	16	193 131 402	0.697
63	25	50	16	193 131 403	0.637
63	32	50	16	193 131 404	0.701
63	40	50	16	193 131 405	0.718
63	63	50	16	193 131 437	1.426
75	20	65	16	193 131 442	0.831
75	25	65	16	193 131 443	0.830
75	32	65	16	193 131 444	0.812
75	40	65	16	193 131 445	0.849
75	63	65	16	193 131 447	1.549
90	20	80	16	193 131 452	0.794
90	25	80	16	193 131 453	0.790
90	32	80	16	193 131 454	0.770
90	40	80	16	193 131 455	0.811
90	63	80	16	193 131 457	1.494
110	20	100	16	193 131 462	0.826
110	25	100	16	193 131 463	0.808
110	32	100	16	193 131 464	0.831
110	40	100	16	193 131 465	0.805
110	63	100	16	193 131 467	1.097
125	20	100	16	193 131 472	0.880
125	25	100	16	193 131 473	0.878
125	32	100	16	193 131 474	0.878
125	40	100	16	193 131 475	0.874
125	63	100	16	193 131 477	1.184
140	20	125	16	193 131 482	0.887
140	25	125	16	193 131 483	0.874
140	32	125	16	193 131 484	0.894
140	40	125	16	193 131 485	0.920
140	63	125	16	193 131 487	1.180
160	20	150	16	193 131 492	0.916
160	25	150	16	193 131 493	0.912
160	32	150	16	193 131 494	0.915
160	40	150	16	193 131 495	0.936
160	63	150	16	193 131 497	1.221
180	20	150	16	193 131 502	0.994
180	25	150	16	193 131 503	1.001
180	32	150	16	193 131 504	0.957
180	40	150	16	193 131 505	1.007
180	63	150	16	193 131 507	1.587
200	20	200	16	193 131 512	1.015
200	25	200	16	193 131 513	1.015
200	32	200	16	193 131 514	0.985
200	40	200	16	193 131 515	1.024
200	63	200	16	193 131 517	1.290
225	20	200	16	193 131 522	1.016
225	25	200	16	193 131 523	1.025



	d (mm)	Do3 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)
	225	32	200	16	193 131 524	1.019
	225	40	200	16	193 131 525	1.029
	225	63	200	16	193 131 527	1.738
	250	20	250	16	193 131 532	1.025
	250	25	250	16	193 131 533	1.026
	250	32	250	16	193 131 534	0.996
	250	63	250	16	193 131 537	1.733
	250	40	250	16	193 131 535	1.008
	280	63	250	16	193 131 548	1.478
	315	63	300	16	193 131 558	1.481
Topload	355	63	350	16	193 131 557	1.481
Topload	400	63	400	16	193 131 577	1.473

	d (mm)	Do3 (mm)	L (mm)	L4 (mm)	Db (mm)	W (mm)	H (mm)	H4 (mm)	SDR pipe
	63	20	130	71	32	164	186	108	9 - 11
	63	25	130	71	32	164	186	108	9 - 11
	63	32	130	76	32	164	186	108	9 - 11
	63	40	137	81	32	164	186	108	9 - 11
	63	63	160	100	32	164	134	112	9 - 11
	75	20	130	71	32	164	191	113	9 - 11
	75	25	130	71	32	164	191	113	9 - 11
	75	32	130	76	32	164	191	113	9 - 11
	75	40	137	81	32	164	191	113	9 - 11
	75	63	160	100	32	164	240	118	9 - 11
	90	20	130	71	32	164	199	121	9 - 11
	90	25	130	71	32	164	199	121	9 - 11
	90	32	130	76	32	164	199	121	9 - 11
	90	40	137	81	32	164	199	121	9 - 11
	90	63	160	100	35	164	248	126	9 - 11
	110	20	130	71	32	164	209	131	9 - 17.6
	110	25	130	71	32	164	209	131	9 - 17.6
	110	32	130	76	32	164	209	131	9 - 17.6
	110	40	137	81	32	164	209	131	9 - 17.6
	110	63	160	100	35	164	258	136	9 - 17.6
	125	20	130	71	32	164	216	138	9 - 17.6
	125	25	130	71	32	164	216	138	9 - 17.6
	125	32	130	76	32	164	216	138	9 - 17.6
	125	40	137	81	32	164	216	138	9 - 17.6
	125	63	160	100	35	164	265	143	9 - 17.6
	140	20	130	71	32	164	233	146	9 - 17.6
	140	25	130	71	32	164	233	146	9 - 17.6
	140	32	130	76	32	164	233	146	9 - 17.6
	140	40	137	81	32	164	233	146	9 - 17.6
	140	63	160	100	35	164	273	151	9 - 17.6
	160	20	130	71	32	164	243	156	9 - 17.6
	160	25	130	71	32	164	243	156	9 - 17.6
	160	32	130	76	32	164	243	156	9 - 17.6
	160	40	137	81	32	164	243	156	9 - 17.6
	160	63	160	100	35	164	283	161	9 - 17.6
	180	20	130	71	32	164	244	166	9 - 26
	180	25	130	71	32	164	244	166	9 - 26
	180	32	130	76	32	164	244	166	9 - 26
	180	40	137	81	32	164	244	166	9 - 26
	180	63	160	100	35	164	293	171	9 - 26
	200	20	130	71	32	164	254	176	9 - 26
	200	25	130	71	32	164	254	176	9 - 26
	200	32	130	76	32	164	254	176	9 - 26
	200	40	137	81	32	164	254	176	9 - 26
	200	63	160	100	35	164	303	181	9 - 26
	225	20	130	71	32	164	266	188	11 - 26
	225	25	130	71	32	164	266	188	11 - 26
	225	32	130	76	32	164	266	188	11 - 26

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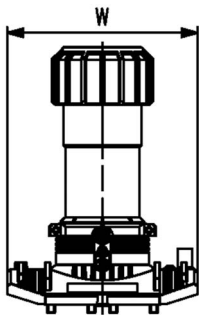
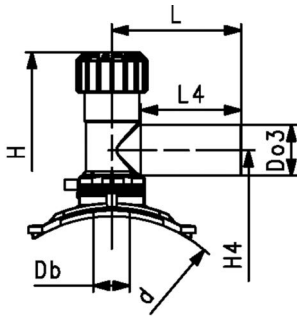
	d (mm)	Do3 (mm)	L (mm)	L4 (mm)	Db (mm)	W (mm)	H (mm)	H4 (mm)	SDR pipe
	225	40	137	81	32	164	266	188	11 - 26
	225	63	160	100	35	164	315	193	11 - 26
	250	20	130	76	32	164	279	201	11 - 26
	250	25	130	76	32	164	279	201	11 - 26
	250	32	130	76	32	164	279	201	11 - 26
	250	63	160	100	35	164	328	206	11 - 26
	250	40	137	81	32	164	279	201	11 - 26
	280	63	160	100	35	164	343	206	11 - 26
	315	63	160	100	35	164	381	206	11 - 33
Topload	355	63	160	100	35	165	381	206	17 - 33
Topload	400	63	160	100	35	165	403	206	17 - 33

Tapping saddle PE100
d315-400mm / SDR11 / With 360° rotatable outlet



- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- **Suitable to tap SDR11 pipes**
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

* Topload: delivery without lower part for assembling as Topload with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required



	d (mm)	Do3 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)
	315	63	300	16	193 131 868	1.473
*	355	63	350	16	193 131 867	1.473
*	400	63	400	16	193 131 877	1.473

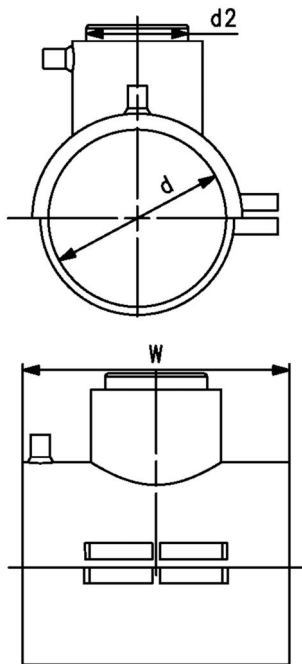
	L (mm)	L4 (mm)	Db (mm)	W (mm)	H (mm)	H4 (mm)	SDR pipe
	160	100	33	164	328	206	11 - 33
	160	100	33	165	328	206	11 - 33
	160	100	33	165	328	206	11 - 33

Various parts



Repair saddle PE100 d63-400mm / SDR11

- 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)
- * Topload: delivery without lower part for assembling as Topload with tool no. 799.350.477; an-leadaptor (799.350.340) for fusion cable required



d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	W (mm)	SDR pipe	
63	63	50	16	193 130 037	0.417	164	9 - 11	
75	63	65	16	193 130 047	0.574	164	9 - 11	
90	63	80	16	193 130 057	0.513	164	9 - 11	
110	63	100	16	193 130 067	0.565	164	9 - 17.6	
125	63	100	16	193 130 077	0.622	164	9 - 17.6	
140	63	125	16	193 130 087	0.660	164	9 - 17.6	
160	63	150	16	193 130 097	0.589	164	9 - 17.6	
180	63	150	16	193 130 107	0.733	164	9 - 26	
200	63	200	16	193 130 117	0.731	164	9 - 26	
225	63	200	16	193 130 127	0.708	164	9 - 26	
250	63	250	16	193 130 137	0.640	164	9 - 26	
280	63	250	16	193 130 148	0.450	164	9 - 26	
315	63	300	16	193 130 158	0.443	164	9 - 33	
*	355	63	350	16	193 130 157	0.443	165	9 - 33
*	400	63	400	16	193 130 177	0.450	165	9 - 33

branch saddle Branch saddles



Cross connection d110-250mm / For connection of 2 branch saddles as a cross

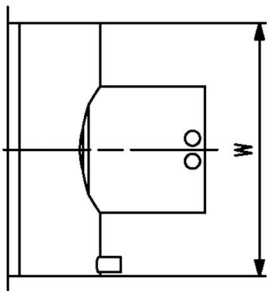
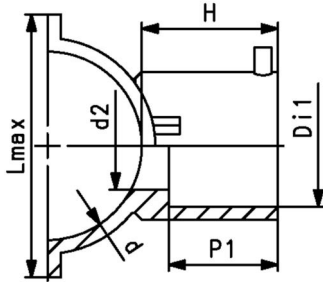
- Enables the connection of two Branch Saddle as a cross
- Complete with screws, flat washers and nuts

d (mm)	Code	Weight (kg)
110 - 160	193 280 880	0.268
180 - 250	193 280 881	0.282



**Branch saddle PE100
d110-d250mm / SDR11 / Outlet d90-d125 mm**

- 10 bar Gas / 16 bar Water
- Branch Saddle complete, incl. lower part and 3 screws
- Additional fixing with snatch hinge
- Electrofusion outlet with integrated pipe fixation
- Protected wire without medium contact
- 4 mm pin connectors
- Limited path fusion indicators
- FM 1613 approved - 15 bar
- * Delivered without lower part. Pipe fixation with multiple use assembly tool no. 193.281.027



d (mm)	d2 (mm)	Di1 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	P1 (mm)	W (mm)	H (mm)	SDR pipe	
110	65	90	100	16	193 135 009	1.124	164	101	220	82	9-11	
110	65	110	100	16	193 135 010	1.224	164	107	220	88	9-11	
125	65	90	100	16	193 135 019	1.134	179	101	220	82	9-11	
125	65	110	100	16	193 135 020	1.290	179	107	220	88	9-11	
*	140	65	90	125	16	193 135 029	0.982	195	101	220	81	9-11
*	140	65	110	125	16	193 135 030	1.087	195	107	220	87	9-11
160	65	90	150	16	193 135 039	1.449	215	102	240	82	9-17.6	
160	86	110	150	16	193 135 040	1.582	215	108	240	88	9-17.6	
160	86	125	150	16	193 135 041	1.782	215	129	240	99	9-17.6	
180	65	90	150	16	193 135 049	1.672	237	102	260	82	9-17.6	
180	86	110	150	16	193 135 050	1.765	237	108	260	88	9-17.6	
180	86	125	150	16	193 135 051	2.015	237	129	260	99	9-17.6	
200	65	90	200	16	193 135 059	1.803	253	102	260	82	9-17.6	
200	86	110	200	16	193 135 060	1.963	253	108	260	88	9-17.6	
200	86	125	200	16	193 135 061	2.128	253	129	260	99	9-17.6	
225	65	90	200	16	193 135 069	2.006	287	102	260	82	9-17.6	
225	86	110	200	16	193 135 070	2.400	287	108	260	88	9-17.6	
225	86	125	200	16	193 135 071	2.312	287	129	260	99	9-17.6	
250	65	90	250	16	193 135 079	2.145	312	102	260	82	9-26	
250	86	110	250	16	193 135 080	2.258	312	108	260	88	9-26	
250	86	125	250	16	193 135 081	2.500	312	129	260	99	9-26	



Multiple use assembly tool branch saddle PE100 d140mm

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

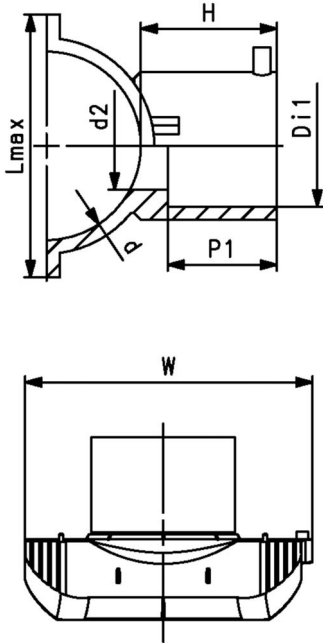
d (mm)	Code	Weight (kg)
140	193 281 027	0.724

Branch saddles toplod



Branch saddle toplod PE100 d280- d630mm / SDR11 / Outlet d90-d125 mm

- 10 bar Gas / 16 bar Water
- Branch Saddle for assembling as Topload with tool 799.350.477; angle adaptors (799.350.340) for fusion cable required
- Electrofusion outlet with integrated pipe fixation
- Protected wire without medium contact
- 4 mm pin connectors
- Limited path fusion indicators
- * FM 1613 approved - 15 bar



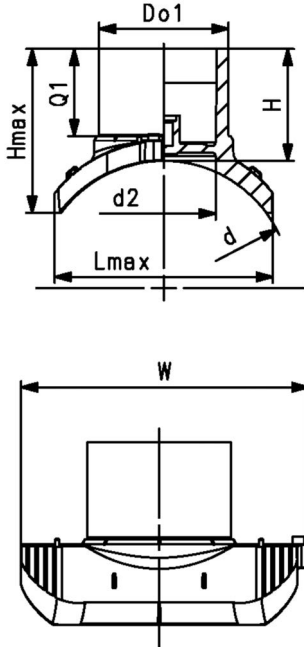
	d (mm)	d2 (mm)	Do1 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)
*	280	65	90	250	16	193 135 289	1.242
*	280	86	110	250	16	193 135 290	1.295
*	280	86	125	250	16	193 135 291	1.530
*	315 - 355	65	90	300 - 350	16	193 135 309	1.214
*	315 - 355	86	110	300 - 350	16	193 135 310	1.297
*	315 - 355	86	125	300 - 350	16	193 135 311	1.530
*	400	65	90	400	16	193 135 329	1.022
*	400	86	110	400	16	193 135 330	1.116
*	400	86	125	400	16	193 135 331	1.369
	450	65	90	450	16	193 135 339	1.022
	450	86	110	450	16	193 135 340	1.116
	450	86	125	450	16	193 135 341	1.369
*	500 - 630	65	90	500 - 600	16	193 135 159	1.086
*	500 - 630	86	110	500 - 600	16	193 135 160	1.159
*	500 - 630	86	125	500 - 600	16	193 135 161	1.388

	d (mm)	Lmax (mm)	Q1 (mm)	W (mm)	H (mm)	SDR pipe
*	280	243	82	260	102	9-26
*	280	243	88	260	108	9-26
*	280	243	99	260	129	9-26
*	315 - 355	249	82	260	102	9-26
*	315 - 355	249	88	260	108	9-26
*	315 - 355	249	99	260	129	9-26
*	400	256	82	260	102	9-26
*	400	256	88	260	108	9-26
*	400	256	99	260	129	9-26
	450	256	82	260	102	9-26
	450	256	88	260	108	9-26
	450	256	99	260	129	9-26
*	500 - 630	263	82	260	102	9-26
*	500 - 630	263	88	260	108	9-26
*	500 - 630	263	99	260	129	9-26



Branch saddle topload PE100 d315-1000mm / SDR11 / Outlet d160-d225 mm

- 10 bar Gas / 16 bar Water
- Branch Saddle installation only with installation set Topload TL225 (799.300.807)
- Angle adaptors (799.350.340) for fusion cable required
- 4 mm pin connectors
- Limited path fusion indicators
- Spigot outlet for butt- and electrofusion
- Full pressure applicable - no derating factor
- With integrated pressure test port for test cap (799.199.287)

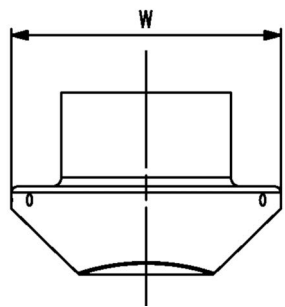
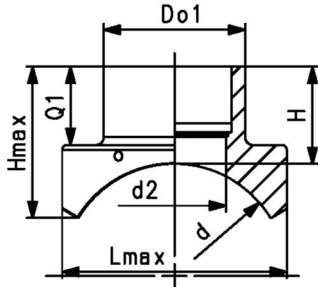


d (mm)	d2 (mm)	Do1 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	W (mm)	H (mm)	Hmax (mm)	SDR pipe
315	129	160	300	16	193 135 202	2.548	273	106	322	136	204	11-26
315	177	225	300	16	193 135 204	4.625	300	126	360	165	262	11-26
355	129	160	350	16	193 135 212	2.348	270	106	320	136	200	11-26
355	177	225	350	16	193 135 214	4.594	312	126	354	164	250	11-26
400	129	160	400	16	193 135 222	2.623	290	106	320	133	193	11-26
400	177	225	400	16	193 135 224	4.612	325	126	364	164	241	11-26
450	129	160	450	16	193 135 232	2.429	270	106	320	136	190	11-26
450	177	225	450	16	193 135 234	4.301	320	126	364	164	234	11-26
500	129	160	500	16	193 135 242	2.690	270	106	320	136	182	11-26
500	177	225	500	16	193 135 244	4.569	312	126	354	164	225	11-26
560	129	160	600	16	193 135 252	2.495	303	106	320	180	180	11-26
560	177	225	600	16	193 135 254	4.321	341	126	364	222	222	11-26
630	129	160	600	16	193 135 262	2.616	304	106	320	133	172	11-33
630	177	225	600	16	193 135 264	4.750	349	126	364	164	212	11-33
710	129	160	700	16	193 135 272	2.504	304	106	320	132	169	11-33
710	177	225	700	16	193 135 274	4.360	348	126	360	165	207	11-33
800	129	160	800	16	193 135 282	2.399	304	106	320	132	166	11-33
800	177	225	800	16	193 135 284	4.553	356	126	360	164	200	11-33
900	177	225	900	16	193 135 294	4.390	356	126	360	164	200	11-33
1000	177	225	1000	16	193 135 304	4.262	356	126	360	164	196	11-33



**Branch saddle topload PE100
d450-1000mm / SDR11 / Outlet d315 mm**

- 10 bar Gas / 16 bar Water
- Branch saddle installation only with installation set Topload TL500 (799.300.809)
- Angle adaptors (799.350.340) for fusion cable required
- 4 mm pin connectors
- Spigot outlet for butt- and electrofusion
- Full pressure applicable - no derating factor
- With integrated thread for pressure test with separate pressure test cap 799.199.288 (outlet d315) / 799.199.289 (outlet d500)

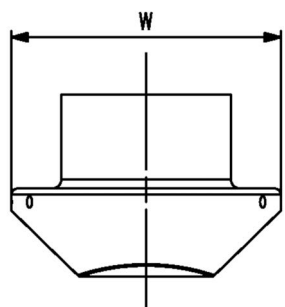
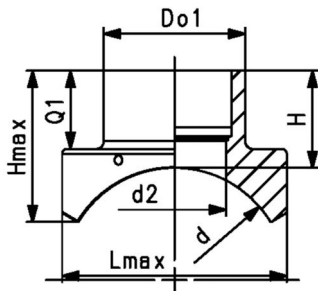


d (mm)	d2 (mm)	Do1 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	W (mm)	H (mm)	Hmax (mm)	SDR pipe
450	232	315	450	16	193 135 436	18.500	500	174	500	216	346	11 - 26
500	232	315	500	16	193 135 446	17.000	500	174	500	216	337	11 - 26
560	232	315	600	16	193 135 456	16.100	500	174	500	216	327	11 - 26
630	232	315	600	16	193 135 466	15.950	500	174	500	216	312	11 - 33
710	232	315	700	16	193 135 476	14.800	500	174	500	216	297	11 - 33
800	232	315	800	16	193 135 486	14.300	500	174	500	216	287	11 - 33
900	232	315	900	16	193 135 496	13.800	500	174	500	216	281	11 - 33
1000	232	315	1000	16	193 135 506	13.500	500	174	500	216	274	11 - 33



**Branch saddle topload PE100 d710-2000mm /
SDR17 / Outlet d315-d500 mm**

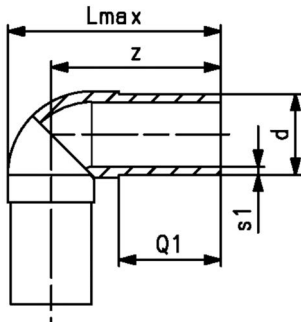
- 5 bar Gas / 10 bar Water
- Angle adaptors (799.350.340) for fusion cable required
- Branch saddle installation only with installation set Topload TL500 (799.300.809)
- 4 mm pin connectors
- Spigot outlet for butt- and electrofusion
- Full pressure applicable - no derating factor
- With integrated thread for pressure test with separate pressure test cap 799.199.288 (outlet d315) / 799.199.289 (outlet d500)



d (mm)	d2 (mm)	Do1 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	W (mm)	H (mm)	Hmax (mm)	SDR pipe
710	250	315	700	10	193 135 676	14.000	500	174	500	216	296	11 - 33
800	250	315	800	10	193 135 686	13.500	500	174	500	216	287	11 - 33
900	250	315	900	10	193 135 696	13.100	500	174	500	216	282	11 - 33
900	397	500	900	10	193 135 698	32.600	700	237	700	280	406	11 - 33
1000	250	315	1000	10	193 135 706	12.800	500	174	500	216	274	11 - 33
1000	397	500	1000	10	193 135 708	31.400	700	237	700	280	397	11 - 33
1200	250	315	1200	10	193 135 716	12.300	500	174	500	216	267	11 - 33
1200	397	500	1200	10	193 135 718	29.400	700	237	700	280	377	11 - 33
1400	250	315	1400	10	193 135 726	11.900	500	174	500	216	257	11 - 33
1400	397	500	1400	10	193 135 728	28.100	700	237	700	280	262	11 - 33
1600	250	315	1600	10	193 135 736	11.700	500	174	500	216	252	11 - 33
1600	397	500	1600	10	193 135 738	27.100	700	237	700	280	352	11 - 33
2000	250	315	2000	10	193 135 746	11.300	500	174	500	216	246	11 - 33
2000	397	500	2000	10	193 135 748	25.700	700	237	700	280	337	11 - 33

Spigot fittings in PE100

Elbows



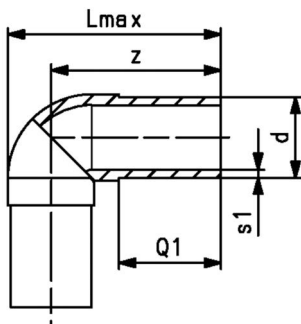
Elbow 90° PE100 d20-315mm / SDR11 / Long version

- 10 bar Gas / 16 bar Water
- * FM 1613 approved - 15 bar

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)	
20	15	16	753 101 006	0.027	85.0	52	3.0	75	
25	20	16	753 101 007	0.040	92.5	52	3.0	80	
32	25	16	753 101 008	0.056	101.0	54	3.0	85	
40	32	16	753 101 009	0.089	115.0	57	3.7	95	
50	40	16	753 101 010	0.156	130.0	63	4.6	105	
63	50	16	753 101 011	0.274	146.5	65	5.8	115	
75	65	16	753 101 012	0.414	167.5	72	6.8	130	
*	90	80	16	753 101 013	0.704	195.0	81	8.2	150
*	110	100	16	753 101 014	1.158	220.0	86	10.0	165
*	125	100	16	753 101 015	1.609	242.5	92	11.4	180
*	140	125	16	753 101 016	2.270	272.0	92	12.7	194
*	160	150	16	753 101 017	3.100	290.0	102	14.6	210
*	180	150	16	753 101 018	4.328	322.0	107	16.4	232
*	200	200	16	753 101 019	5.739	353.0	117	18.2	253
*	225	200	16	753 101 020	7.775	382.5	122	20.5	270
*	250	250	16	753 101 001	10.368	414.0	130	22.7	292
*	280	250	16	753 100 922	14.473	455.0	140	25.4	320
*	315	300	16	753 101 003	20.495	514.5	150	28.6	370

Elbow 90° PE100 d90-315mm / SDR17 / Long version

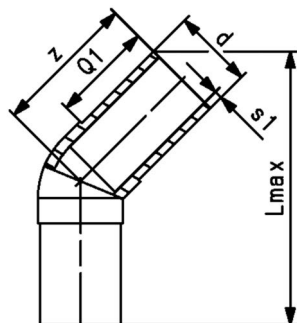
- 5 bar Gas / 10 bar Water



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
90	80	10	753 100 813	0.543	195.0	81	5.4	150
110	100	10	753 100 814	0.876	220.0	86	6.6	165
125	100	10	753 100 815	0.927	242.5	93	7.4	180
140	125	10	753 100 816	1.640	272.0	119	8.3	204
160	150	10	753 100 817	2.385	290.0	102	9.5	210
180	150	10	753 100 818	3.205	322.0	107	10.7	232
200	200	10	753 100 819	4.298	353.0	115	11.9	253
225	200	10	753 100 820	5.864	382.5	120	13.4	270
250	250	10	753 100 821	7.080	414.0	130	14.8	292
280	250	10	753 100 822	9.664	455.0	140	16.6	320
315	300	10	753 100 823	14.030	514.5	150	18.7	370

Elbow 45° PE100
d20-315mm / SDR11 / Long version

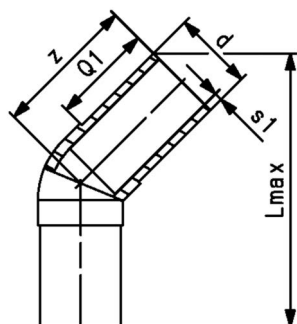
- 10 bar Gas / 16 bar Water
- * FM 1613 approved - 15 bar



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
20	15	16	753 151 006	0.027	126.6	52	3.0	70
25	20	16	753 151 007	0.037	136.9	52	3.0	75
32	25	16	753 151 008	0.050	147.9	54	3.0	80
40	32	16	753 151 009	0.086	159.2	57	3.7	85
50	40	16	753 151 010	0.133	171.3	63	4.6	90
63	50	16	753 151 011	0.227	184.4	65	5.8	95
75	65	16	753 151 012	0.350	205.8	72	6.8	105
* 90	80	16	753 151 013	0.565	236.7	81	8.2	120
* 110	100	16	753 151 014	0.921	260.8	86	10.0	130
* 125	100	16	753 151 015	1.290	293.2	92	11.4	140
* 140	125	16	753 151 016	1.796	329.5	120	12.7	164
* 160	150	16	753 151 017	2.454	333.1	102	14.6	162
* 180	150	16	753 151 018	3.274	353.8	107	16.4	170
* 200	200	16	753 151 019	4.362	388.2	116	18.2	186
* 225	200	16	753 151 020	5.981	421.0	123	20.5	200
* 250	250	16	753 151 021	8.283	464.0	130	22.7	220
* 280	250	16	753 150 922	10.285	491.6	140	25.4	230
* 315	300	16	753 150 923	14.124	538.1	150	28.6	250

Elbow 45° PE100
d90-315mm / SDR17 / Long version

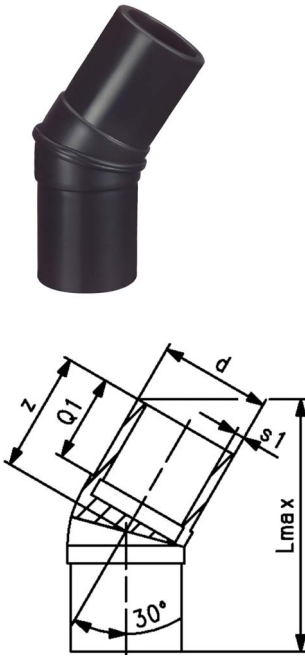
- 5 bar Gas / 10 bar Water



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
90	80	10	753 150 813	0.411	236.7	81	5.4	120
110	100	10	753 150 814	0.722	260.8	86	6.6	130
125	100	10	753 150 815	0.948	283.2	92	7.4	140
140	125	10	753 150 816	1.259	329.5	120	8.3	164
160	150	10	753 150 817	1.901	333.1	102	9.5	162
180	150	10	753 150 818	2.386	353.8	107	10.7	170
200	200	10	753 150 819	3.153	388.2	116	11.9	186
225	200	10	753 150 820	4.441	429.5	123	13.4	205
250	250	10	753 150 821	6.012	458.8	130	14.8	217
280	250	10	753 150 822	7.489	491.6	140	16.6	230
315	300	10	753 150 823	10.123	538.1	150	18.7	250

Elbow 30° PE100
d32-315mm / SDR11 / Long version

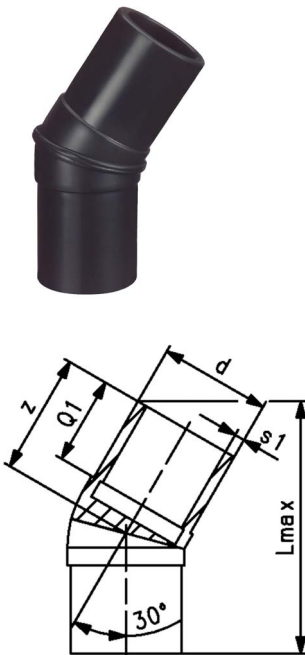
- 10 bar Gas / 16 bar Water
- Welded design



d	DN	PN	Code	Weight	Lmax	Q1	s1	z
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
32	25	16	753 120 908	0.530	157	54	3.0	70
40	32	16	753 120 909	0.530	169	57	3.7	80
50	40	16	753 120 910	0.121	180	63	4.6	80
63	50	16	753 120 911	0.207	193	65	5.8	80
75	65	16	753 120 912	0.311	215	72	6.8	90
90	80	16	753 120 913	0.510	246	81	8.2	100
110	100	16	753 120 914	0.840	270	86	10.0	105
125	100	16	753 120 915	1.174	292	92	11.4	115
140	125	16	753 120 916	1.760	287	92	12.7	135
160	150	16	753 120 917	2.155	339	102	14.6	130
180	150	16	753 120 918	2.911	362	107	16.4	140
200	200	16	753 120 919	3.892	395	116	18.2	150
225	200	16	753 120 920	5.332	429	123	20.5	165
250	250	16	753 120 921	7.307	473	130	22.7	190
280	250	16	753 120 922	10.600	499	139	25.4	200
315	300	16	753 120 923	12.775	545	150	28.6	200

Elbow 30° PE100
d90-315mm / SDR17 / Long version

- 5 bar Gas / 10 bar Water
- Welded design



d	DN	PN	Code	Weight	Lmax	Q1	s1	z
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
90	80	10	753 120 813	0.363	246	81	5.4	110
110	100	10	753 120 814	0.607	270	86	6.6	115
125	100	10	753 120 815	0.819	292	92	7.4	125
140	125	10	753 120 816	1.112	287	92	8.3	150
160	150	10	753 120 817	1.526	339	102	9.5	140
180	150	10	753 120 818	2.040	362	107	10.7	150
200	200	10	753 120 819	2.780	395	116	11.9	160
225	200	10	753 120 820	3.798	429	123	13.4	180
250	250	10	753 120 821	5.039	473	130	14.8	200
280	250	10	753 120 822	8.100	499	139	16.6	200
315	300	10	753 120 823	8.655	545	150	18.7	220

Elbow 15° PE100
d32-315mm / SDR11 / Long version

- 10 bar Gas / 16 bar Water
- Welded design



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
32	25	16	753 141 008	0.051	140	54	3	70
40	32	16	753 141 009	0.082	160	57	4	80
50	40	16	753 141 010	0.118	162	63	5	80
63	50	16	753 141 011	0.200	163	65	6	80
75	65	16	753 141 012	0.290	185	72	7	90
90	80	16	753 141 013	0.479	206	81	8	100
110	100	16	753 141 014	0.785	219	86	10	105
125	100	16	753 141 015	1.063	239	92	11	115
140	125	16	753 141 016	1.600	281	92	13	135
160	150	16	753 141 017	2.170	273	102	15	130
180	150	16	753 141 018	2.653	296	107	16	140
200	200	16	753 141 019	3.438	318	116	18	150
225	200	16	753 141 020	4.765	351	123	21	165
250	250	16	753 141 021	8.300	403	130	23	190
280	250	16	753 141 022	8.322	426	139	25	200
315	300	16	753 141 023	11.292	431	150	29	200

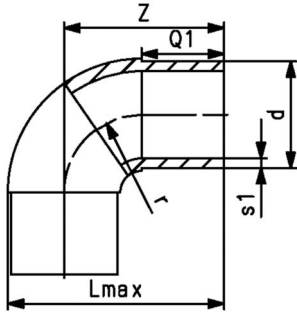
Elbow 15° PE100
d90-315mm / SDR17 / Long version

- 5 bar Gas / 10 bar Water
- Welded design



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
90	80	10	753 140 813	0.337	206	81	5	100
110	100	10	753 140 814	0.551	219	86	7	105
125	100	10	753 140 815	0.728	239	92	7	115
140	125	10	753 140 816	0.370	281	92	8	135
160	150	10	753 140 817	1.364	273	102	10	130
180	150	10	753 140 818	2.040	296	107	11	140
200	200	10	753 140 819	2.371	318	116	12	150
225	200	10	753 140 820	3.335	351	123	13	165
250	250	10	753 140 821	5.830	403	130	15	190
280	250	10	753 140 822	8.100	426	139	17	195
315	300	10	753 140 823	7.528	431	150	19	200

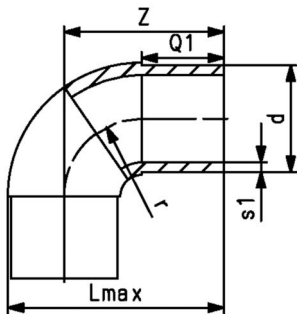
Bends



Bend 90° PE 100 d32-500mm / SDR11 / Long version

- 10 bar Gas / 16 bar Water
- Fittings are injection moulded
- Radius 1 x d

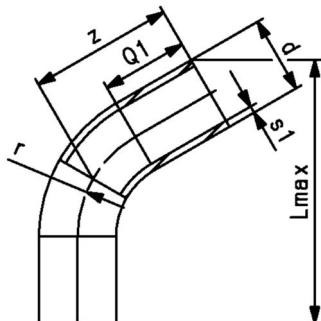
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
32	25	16	753 001 008	0.042	94.0	46	32	2.9	78
40	32	16	753 001 009	0.090	111.0	49	40	3.7	91
50	40	16	753 001 010	0.160	132.0	55	50	4.6	107
63	50	16	753 001 011	0.280	161.5	63	63	5.8	130
75	65	16	753 001 012	0.464	189.5	70	75	6.8	152
90	80	16	753 001 013	0.530	213.0	79	90	8.2	168
110	100	16	753 001 014	1.282	248.0	82	110	10.0	193
125	100	16	753 001 015	1.290	278.5	87	125	11.4	216
140	125	16	753 001 016	2.230	302.0	92	140	12.7	232
160	150	16	753 001 017	3.424	338.0	98	160	14.6	258
180	150	16	753 001 018	5.000	380.0	105	180	16.4	290
200	200	16	753 001 019	6.925	417.0	112	200	18.2	317
225	200	16	753 001 020	9.770	462.5	120	225	20.5	350
250	250	16	753 001 021	9.230	500.0	130	250	22.7	375
280	250	16	753 001 022	15.487	570.0	150	280	25.4	430
315	300	16	753 001 023	23.950	627.5	150	315	28.6	470
355	400	16	753 001 124	35.631	701.5	174	355	32.2	524
400	400	16	753 001 125	49.177	785.0	188	400	36.3	585
450	450	16	753 001 126	69.120	870.0	195	450	40.9	645
500	500	16	753 001 127	91.040	960.0	212	500	45.5	710



Bend 90° PE 100 d90-500mm / SDR17 / Long version

- 5 bar Gas / 10 bar Water
- Fittings are injection moulded
- Radius 1 x d

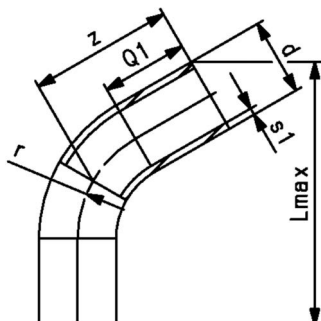
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
90	80	10	753 000 813	0.520	213	79	90	5.4	168
110	100	10	753 000 814	0.942	248	82	110	6.6	193
125	100	10	753 000 815	1.300	279	87	125	7.4	216
140	125	10	753 000 816	1.789	302	92	140	8.3	232
160	150	10	753 000 817	2.410	338	98	160	9.5	258
180	150	10	753 000 818	4.000	380	105	180	10.7	290
200	200	10	753 000 819	6.500	417	112	200	11.9	317
225	200	10	753 000 820	6.414	463	120	225	13.4	350
250	250	10	753 000 821	9.940	500	130	250	14.8	375
280	250	10	753 000 822	13.795	570	150	280	16.6	430
315	300	10	753 000 823	24.000	628	150	315	18.7	470
355	350	10	753 000 924	26.026	1078	174	355	21.1	524
400	400	10	753 000 925	36.793	1180	188	400	23.7	585
450	450	10	753 000 926	50.720	1295	195	450	26.7	645
500	500	10	753 000 927	66.940	1450	212	500	29.7	710



Bend 60° PE100
d32-900mm / SDR11 / Long version

- 16 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

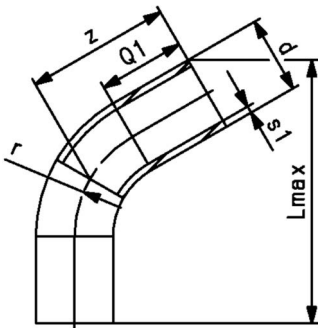
d	DN	PN	Code	Weight	Lmax	Q1	r	s1	z
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
32	25	16	753 071 008	0.070	205.9	80	48	2.9	128
40	32	16	753 071 009	0.120	219.8	80	60	3.7	135
50	40	16	753 071 010	0.240	258.7	100	75	4.6	158
63	50	16	753 071 011	0.420	286.8	100	95	5.8	173
75	65	16	753 071 012	0.600	305.5	100	113	6.8	182
90	80	16	753 071 013	0.900	328.5	100	135	8.2	193
110	100	16	753 071 014	1.780	452.6	150	165	10.0	270
125	100	16	753 071 015	2.500	478.6	150	188	11.4	283
140	125	16	753 071 016	2.700	504.6	150	210	12.7	296
160	150	16	753 071 017	4.574	538.8	150	240	14.6	313
180	150	16	753 071 018	4.900	572.9	150	270	16.4	330
200	200	16	753 071 019	6.400	608.6	150	300	18.2	348
225	200	16	753 071 020	8.600	652.4	150	338	20.5	370
250	250	16	753 071 021	14.500	858.3	250	375	22.7	500
280	250	16	753 071 022	19.100	916.2	250	420	25.4	530
315	300	16	753 071 023	25.600	1054.4	250	473	28.6	612
355	350	16	753 071 024	41.700	1188.7	300	533	32.3	690
400	400	16	753 071 025	55.800	1268.2	300	600	36.4	730
450	450	16	753 071 026	76.000	1364.9	300	675	40.9	780
500	500	16	753 071 027	104.600	1536.5	350	750	45.5	880
560	600	16	753 071 028	139.500	1637.5	350	840	50.9	930
630	600	16	753 071 029	188.500	1772.8	350	945	57.3	1000
710	700	16	753 071 030	305.000	1657.4	400	1065	64.5	900
800	800	16	753 071 031	385.300	1771.4	400	1200	72.6	950
900	900	16	753 071 032	600.000	2114.7	400	1350	81.8	1150



Bend 60° PE100
d90-1000mm / SDR17 / Long version

- 10 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

d	DN	PN	Code	Weight	Lmax	Q1	r	s1	z
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
90	80	10	753 070 813	0.600	403.5	100	135	5.4	193
110	100	10	753 070 814	1.280	452.6	150	165	6.6	270
125	100	10	753 070 815	1.300	478.6	150	187	7.4	283
140	125	10	753 070 816	1.800	504.6	150	210	8.3	296
160	150	10	753 070 817	3.160	538.8	150	240	9.5	313
180	150	10	753 070 818	3.190	527.9	150	270	10.7	330
200	200	10	753 070 819	4.200	608.6	150	300	11.9	348
225	200	10	753 070 820	5.600	652.4	150	337	13.4	370
250	250	10	753 070 821	9.250	858.3	250	375	14.8	500
280	250	10	753 070 822	15.000	916.2	250	420	16.6	530
315	300	10	753 070 823	19.500	1054.4	250	472	18.7	612
355	350	10	753 070 824	30.100	1188.7	300	532	21.1	690
400	400	10	753 070 825	38.200	1268.2	300	600	23.7	730
450	450	10	753 070 826	53.700	1364.9	300	675	26.7	780
500	500	10	753 070 827	73.900	1536.5	350	750	29.7	880
560	600	10	753 070 828	98.200	1637.5	350	840	33.2	930
630	600	10	753 070 829	132.300	1772.8	350	945	37.4	1000

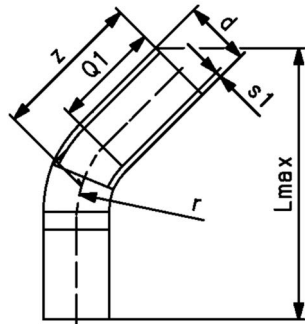


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
710	700	10	753 070 830	213.000	1657.4	400	1065	42.1	900
800	800	10	753 070 831	260.700	1771.4	400	1200	47.4	950
900	900	10	753 070 832	385.500	2114.7	450	1350	53.3	1150
1000	1000	10	753 070 833	507.600	2233.0	450	1500	59.3	1200

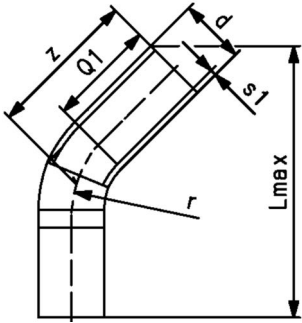


Bend 45° PE100
d32-900mm / SDR11 / Long version

- 16 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d
- * FM 1613 approved - 15 bar



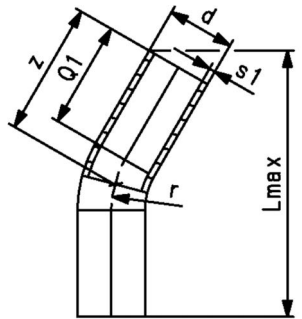
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)	
32	25	16	753 051 008	0.077	216.2	80	48	2.9	120	
40	32	16	753 051 009	0.120	219.0	80	60	3.7	120	
50	40	16	753 051 010	0.240	272.0	100	75	4.6	149	
63	50	16	753 051 011	0.360	297.1	100	95	5.8	161	
75	65	16	753 051 012	0.560	313.3	100	113	6.8	168	
90	80	16	753 051 013	0.760	334.0	100	135	8.2	177	
110	100	16	753 051 014	1.700	453.7	150	165	10.0	243	
125	100	16	753 051 015	2.186	476.1	150	188	11.4	253	
140	125	16	753 051 016	2.800	496.8	150	210	12.7	262	
160	150	16	753 051 017	3.800	524.3	160	240	14.6	274	
180	150	16	753 051 018	5.140	553.6	150	270	16.4	287	
200	200	16	753 051 019	7.058	581.1	150	300	18.2	299	
225	200	16	753 051 020	7.400	617.3	150	338	20.5	315	
250	250	16	753 051 021	13.000	839.5	250	375	22.7	440	
280	250	16	753 051 022	22.000	884.3	250	420	25.4	460	
315	300	16	753 051 023	24.930	1024.7	250	473	28.6	535	
355	350	16	753 051 024	39.500	1183.9	300	533	32.3	620	
*	355	350	16	753 051 124	39.500	1251.0	300	533	32.3	620
400	400	16	753 051 025	48.500	1319.9	300	600	36.4	650	
*	400	400	16	753 051 125	48.500	1474.2	300	600	36.4	650
450	450	16	753 051 026	69.800	1563.7	300	675	40.9	680	
*	450	450	16	753 051 126	69.800	1707.9	300	675	40.9	680
500	500	16	753 051 027	96.300	1787.4	350	750	45.5	760	
*	500	500	16	753 051 127	96.300	1904.6	350	750	45.5	760
560	600	16	753 051 028	129.800	2281.4	350	840	50.9	800	
630	600	16	753 051 029	174.000		350	945	57.3	870	
710	700	16	753 051 030	286.000		400	1065	64.5	900	
800	800	16	753 051 031	340.000		400	1200	72.6	950	
900	900	16	753 051 032	516.400		400	1350	81.8	1150	



Bend 45° PE100
d90-1000mm / SDR17 / Long version

- 10 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

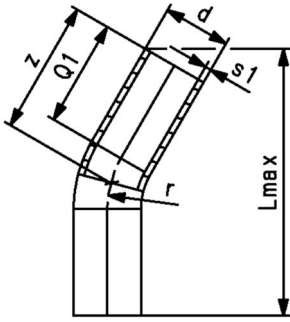
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
90	80	10	753 050 813	0.600	334.0	100	135	5.4	177
110	100	10	753 050 814	1.208	453.7	150	165	6.6	243
125	100	10	753 050 815	1.540	476.1	150	188	7.4	253
140	125	10	753 050 816	1.720	496.8	150	210	8.3	262
160	150	10	753 050 817	2.200	524.3	150	240	9.5	274
180	150	10	753 050 818	3.000	553.6	150	270	10.7	287
200	200	10	753 050 819	3.700	581.1	150	300	11.9	299
225	200	10	753 050 820	5.000	617.3	150	338	13.4	315
250	250	10	753 050 821	10.691	839.5	250	375	14.8	440
280	250	10	753 050 822	15.000	884.3	250	420	16.6	460
315	300	10	753 050 823	17.800	1024.7	250	473	18.7	535
355	350	10	753 050 824	25.600	1183.9	300	533	21.1	620
400	400	10	753 050 825	36.600	1251.0	300	600	23.7	650
450	450	10	753 050 826	45.300	1319.9	300	675	26.7	680
500	500	10	753 050 827	62.400	1474.2	350	750	29.7	760
560	600	10	753 050 828	81.900	1563.7	350	840	33.2	800
630	600	10	753 050 829	197.000	1707.9	350	945	37.4	870
710	700	10	753 050 830	190.200	1787.4	400	1065	42.1	900
800	800	10	753 050 831	218.100	1904.6	400	1200	47.4	950
900	900	10	753 050 832	324.900	2281.4	450	1350	53.3	1150
1000	1000	10	753 050 833	421.000	2402.1	450	1500	59.3	1200



Bend 30° PE100
d32-900mm / SDR11 / Long version

- 16 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
32	25	16	753 061 008	0.077	218.9	80	48	2.9	113
40	32	16	753 061 009	0.120	226.5	80	60	3.7	116
50	40	16	753 061 010	0.200	273.7	100	75	4.6	140
63	50	16	753 061 011	0.400	295.7	100	95	5.8	150
75	65	16	753 061 012	0.520	308.0	100	113	6.8	155
90	80	16	753 061 013	0.760	321.1	100	135	8.2	160
110	100	16	753 061 014	1.689	436.2	150	165	10.0	219
125	100	16	753 061 015	2.096	451.1	150	188	11.4	225
140	125	16	753 061 016	2.200	466.1	150	210	12.7	231
160	150	16	753 061 017	3.650	486.0	150	240	14.6	239
180	150	16	753 061 018	4.782	505.9	150	270	16.4	247
200	200	16	753 061 019	5.777	525.8	150	300	18.2	255
225	200	16	753 061 020	6.300	552.6	150	338	20.5	266
250	250	16	753 061 021	13.100	780.9	250	375	22.7	385
280	250	16	753 061 022	16.300	816.4	250	420	25.4	400
315	300	16	753 061 023	21.850	937.1	250	473	28.6	460
355	350	16	753 061 024	34.900	1096.4	300	533	32.3	540
400	400	16	753 061 025	45.900	1145.0	300	600	36.4	560
450	450	16	753 061 026	60.200	1194.8	300	675	40.9	580
500	500	16	753 061 027	83.300	1300.6	350	750	45.5	630
560	600	16	753 061 028	108.600	1408.9	350	840	50.9	680

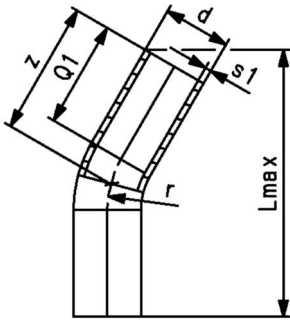


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
630	600	16	753 061 029	148.300	1519.7	350	945	57.3	730
710	700	16	753 061 030	267.000	1856.9	400	1065	64.5	900
800	800	16	753 061 031	295.500	1972.7	400	1200	72.6	950
900	900	16	753 061 032	550.000	2370.9	400	1350	81.8	1150

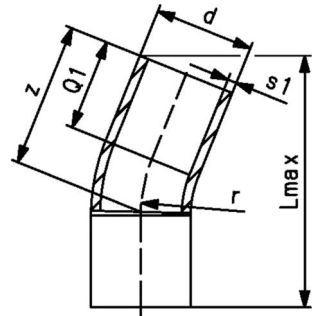


Bend 30° PE100
d90-1000mm / SDR17 / Long version

- 10 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d



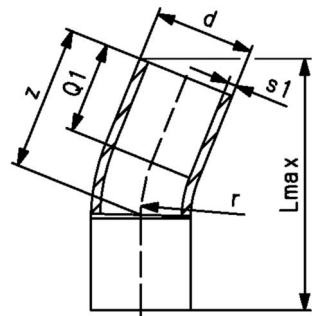
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
90	80	10	753 060 813	0.500	321.1	100	135	5.4	160
110	100	10	753 060 814	1.060	436.2	150	165	6.6	219
125	100	10	753 060 815	1.100	451.1	150	188	7.4	225
140	125	10	753 060 816	1.720	466.1	150	210	8.3	231
160	150	10	753 060 817	2.565	486.0	150	240	9.5	239
180	150	10	753 060 818	3.389	505.9	150	270	10.7	247
200	200	10	753 060 819	4.213	525.8	150	300	11.9	255
225	200	10	753 060 820	7.540	552.6	150	338	13.4	266
250	250	10	753 060 821	11.600	780.9	250	375	14.8	385
280	250	10	753 060 822	12.800	816.4	250	420	16.6	400
315	300	10	753 060 823	25.000	937.1	250	473	18.7	460
355	350	10	753 060 824	22.700	1096.4	300	533	21.1	540
400	400	10	753 060 825	29.800	1145.0	300	600	23.7	560
450	450	10	753 060 826	39.100	1194.8	300	675	26.7	580
500	500	10	753 060 827	54.000	1337.9	350	750	29.7	650
560	600	10	753 060 828	70.300	1408.9	350	840	33.2	680
630	600	10	753 060 829	95.800	1519.7	350	945	37.4	730
710	700	10	753 060 830	177.000	1865.9	400	1065	42.1	900
800	800	10	753 060 831	195.600	1972.7	400	1200	47.4	950
900	900	10	753 060 832	242.200	2370.9	450	1350	53.3	1150
1000	1000	10	753 060 833	421.000	2489.2	450	1500	59.3	1200



Bend 22° PE100
d32-900mm / SDR11 / Long version

- 16 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

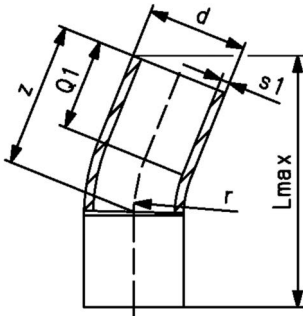
d	DN	PN	Code	Weight	Lmax	Q1	r	s1	z
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
32	25	16	753 081 008	0.077	223.8	80	48	2.9	113
40	32	16	753 081 009	0.120	231.0	80	60	3.7	116
50	40	16	753 081 010	0.200	279.2	100	75	4.6	140
63	50	16	753 081 011	0.400	300.9	100	95	5.8	150
75	65	16	753 081 012	0.520	312.8	100	113	6.8	155
90	80	16	753 081 013	0.760	325.2	100	135	8.2	160
110	100	16	753 081 014	1.500	442.7	150	165	10.0	219
125	100	16	753 081 015	2.000	457.0	150	188	11.4	225
140	125	16	753 081 016	2.200	471.4	150	210	12.7	231
160	150	16	753 081 017	3.300	490.6	150	240	14.6	239
180	150	16	753 081 018	3.700	509.7	150	270	16.4	247
200	200	16	753 081 019	4.750	528.9	150	300	18.2	255
225	200	16	753 081 020	6.300	554.8	150	338	20.5	266
250	250	16	753 081 021	14.015	788.8	250	375	22.7	385
280	250	16	753 081 022	18.510	823.3	250	420	25.4	400
315	300	16	753 081 023	21.845	945.5	250	473	28.6	460
355	350	16	753 081 024	34.900	1107.2	300	533	32.3	540
400	400	16	753 081 025	45.900	1154.1	300	600	36.4	560
450	450	16	753 081 026	60.200	1202.1	300	675	10.9	580
500	500	16	753 081 027	83.300	1346.3	350	750	45.5	650
560	600	16	753 081 028	108.600	1415.4	350	840	50.9	680
630	600	16	753 081 029	148.300	1524.8	350	945	57.3	730
710	700	16	753 081 030	267.000	1867.5	400	1065	64.5	900
800	800	16	753 081 031	292.500	1980.7	400	1200	72.6	950
900	900	16	753 081 032	506.400	2384.8	400	1350	81.8	1150



Bend 22° PE100
d32-900mm / SDR17 / Long version

- 10 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

d	DN	PN	Code	Weight	Lmax	Q1	r	s1	z
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
90	80	10	753 080 813	0.500	325.2	100	135	5	160
110	100	10	753 080 814	1.060	442.7	150	165	7	219
125	100	10	753 080 815	1.100	457.0	150	188	7	225
140	125	10	753 080 816	1.720	471.4	150	210	8	231
160	150	10	753 080 817	1.900	490.6	150	240	10	239
180	150	10	753 080 818	3.318	509.7	150	270	11	247
200	200	10	753 080 819	3.200	528.9	150	300	12	255
225	200	10	753 080 820	5.431	554.8	150	338	13	266
250	250	10	753 080 821	9.904	788.8	250	375	15	385
280	250	10	753 080 822	12.800	823.3	250	420	17	400
315	300	10	753 080 823	14.144	945.5	250	473	19	460
355	350	10	753 080 824	22.700	1107.2	300	533	21	540
400	400	10	753 080 825	29.800	1154.1	300	600	24	560
450	450	10	753 080 826	39.100	1202.1	300	675	27	580
500	500	10	753 080 827	54.000	1346.3	350	750	30	650
560	600	10	753 080 828	70.300	1415.4	350	840	33	680
630	600	10	753 080 829	95.800	1524.8	350	945	37	730

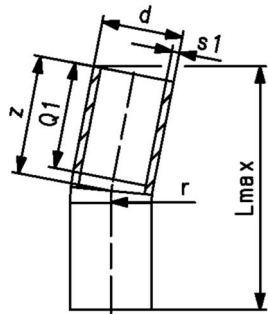


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
710	700	10	753 080 830	177.000	1867.5	400	1065	42	900
800	800	10	753 080 831	195.600	1980.7	400	1200	47	950
900	900	10	753 080 832	231.900	2384.8	450	1350	53	1150
1000	1000	10	753 080 833	421.000	2499.9	450	1500	59	1200

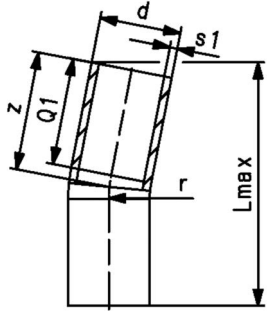


Bend 11° PE100
d32-900mm / SDR11 / Long version

- 16 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
32	25	16	753 091 008	0.077	227.0	80	48	2.9	113
40	32	16	753 091 009	0.120	233.7	80	60	3.7	116
50	40	16	753 091 010	0.200	282.2	100	75	4.6	140
63	50	16	753 091 011	0.400	303.3	100	95	5.8	150
75	65	16	753 091 012	0.520	314.3	100	113	6.8	155
90	80	16	753 091 013	0.760	325.6	100	135	8.2	160
110	100	16	753 091 014	1.500	444.5	150	165	10.0	219
125	100	16	753 091 015	2.000	457.8	150	188	11.4	225
140	125	16	753 091 016	2.200	471.1	150	210	12.7	231
160	150	16	753 091 017	3.300	488.9	150	240	14.6	239
180	150	16	753 091 018	3.700	506.6	150	270	16.4	247
200	200	16	753 091 019	4.750	524.4	150	300	18.2	255
225	200	16	753 091 020	7.773	548.6	150	338	20.5	266
250	250	16	753 091 021	13.100	786.8	250	375	22.7	385
280	250	16	753 091 022	16.300	819.4	250	420	25.4	400
315	300	16	753 091 023	21.845	941.6	250	473	28.6	460
355	350	16	753 091 024	34.900	1103.9	300	533	32.3	540
400	400	16	753 091 025	45.900	1147.9	300	600	36.4	560
450	450	16	753 091 026	60.200	1192.3	300	675	40.9	580
500	500	16	753 091 027	83.300	1335.8	350	750	45.5	650
560	600	16	753 091 028	108.600	1400.9	350	840	50.9	680
630	600	16	753 091 029	148.300	1506.7	350	945	57.3	730
710	700	16	753 091 030	267.000	1851.2	400	1065	64.5	900
800	800	16	753 091 031	292.500	1958.9	400	1200	72.6	950
900	900	16	753 091 032	506.400	2364.7	400	1350	81.8	1150

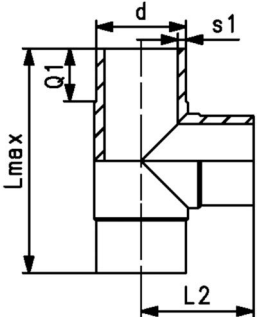


Bend 11° PE100
d90-1000mm / SDR17 / Long version

- 10 bar Water
- Made out of seamless pipe
- Bends made out of seamless pipe shall not be shortened
- Radius 1.5 x d

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
90	80	10	753 090 813	0.500	325.6	100	135	5.4	160
110	100	10	753 090 814	1.060	444.5	150	165	6.6	219
125	100	10	753 090 815	1.100	457.8	150	188	7.4	225
140	125	10	753 090 816	1.720	471.1	150	210	8.3	231
160	150	10	753 090 817	2.653	488.9	150	240	9.5	239
180	150	10	753 090 818	2.500	506.6	150	270	10.7	247
200	200	10	753 090 819	4.308	524.4	150	300	11.9	255
225	200	10	753 090 820	7.540	548.6	150	338	13.4	266
250	250	10	753 090 821	11.600	767.0	250	375	14.8	385
280	250	10	753 090 822	12.800	819.4	250	420	16.6	400
315	300	10	753 090 823	25.000	914.6	250	473	18.7	460
355	350	10	753 090 824	22.700	1103.9	300	533	21.1	540
400	400	10	753 090 825	29.800	1147.9	300	600	23.7	560
450	450	10	753 090 826	39.100	1192.3	300	675	26.7	580
500	500	10	753 090 827	54.000	1335.8	350	750	29.7	650
560	600	10	753 090 828	70.300	1400.9	350	840	33.2	680
630	600	10	753 090 829	95.800	1506.7	350	945	37.4	730
710	700	10	753 090 830	177.000	1851.2	400	1065	42.1	900
800	800	10	753 090 831	195.600	1958.9	400	1200	47.4	950
900	900	10	753 090 832	187.500	2364.7	450	1350	53.3	1150
1000	1000	10	753 090 833	421.000	2473.4	450	1500	59.3	1200

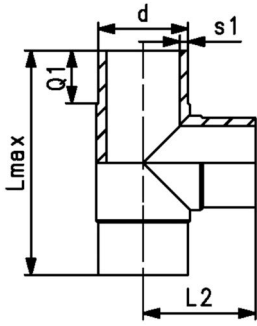
Tees



Tee 90° equal PE100 d20-800mm /
SDR11 / Long version

- 10 bar Gas / 16 bar Water
- * Machined with welded pipes
- ** FM 1613 approved - PN 15

d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L2 (mm)	Lmax (mm)	Q1 (mm)	s1 (mm)
20	15	16	753 201 006	0.038	75	150	52	3.0
25	20	16	753 201 007	0.054	80	160	52	3.0
32	25	16	753 201 008	0.077	85	170	54	3.0
40	32	16	753 201 009	0.130	95	190	57	3.7
50	40	16	753 201 010	0.214	105	210	63	4.6
63	50	16	753 201 011	0.376	115	230	65	5.8
75	65	16	753 201 012	0.599	132	264	72	6.8
** 90	80	16	753 201 013	1.021	150	300	81	8.2
** 110	100	16	753 201 014	1.612	165	330	86	10.0
** 125	100	16	753 201 015	2.420	183	366	92	11.4
** 140	125	16	753 201 016	3.090	193	393	92	12.7
** 160	150	16	753 201 017	4.403	210	420	102	14.6
** 180	150	16	753 201 018	6.014	230	460	107	16.4
** 200	200	16	753 201 019	8.480	250	500	117	18.2
** 225	200	16	753 201 020	11.507	270	540	122	20.5
** 250	250	16	753 201 001	14.099	288	575	130	22.7
** 280	250	16	753 200 902	18.670	308	615	139	25.4
** 315	300	16	753 200 903	26.150	346	695	150	28.6
355	350	16	753 200 024	38.900	410	820	170	32.3
400	400	16	753 200 025	53.400	450	900	190	36.4

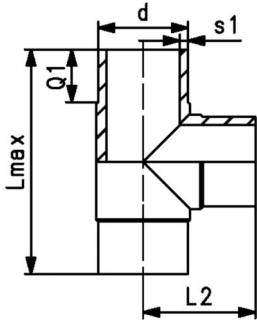


d	DN	PN	Code	Weight	L2	Lmax	Q1	s1
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
450	450	16	753 200 026	73.400	490	980	200	40.9
500	500	16	753 200 027	98.500	535	1070	220	45.5
560	600	16	753 200 028	142.000	600	1200	245	50.9
630	600	16	753 200 029	205.500	650	1300	265	57.3



Tee 90° equal PE100 d90-800mm / SDR17 / Long version

- 5 bar Gas / 10 bar Water
- * Machined with welded pipes

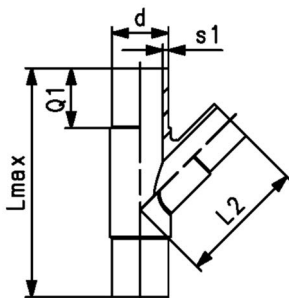


d	DN	PN	Code	Weight	L2	Lmax	Q1	s1
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
90	80	10	753 200 813	0.777	150	300	80	5.4
110	100	10	753 200 814	1.231	165	330	86	6.6
125	100	10	753 200 815	1.690	183	366	92	7.4
140	125	10	753 200 816	2.202	196	396	92	8.3
160	150	10	753 200 817	3.201	214	428	104	9.5
180	150	10	753 200 818	4.287	230	460	105	10.7
200	200	10	753 200 819	5.889	250	500	115	11.9
225	200	10	753 200 820	7.886	270	540	122	13.4
250	250	10	753 200 821	10.000	288	575	130	14.8
280	250	10	753 200 802	13.350	308	612	139	16.6
315	300	10	753 200 803	17.985	346	695	150	18.7
355	350	10	753 200 124	26.100	410	820	170	21.1
400	400	10	753 200 125	35.700	450	900	190	23.7
450	450	10	753 200 126	49.400	490	980	200	26.7
500	500	10	753 200 127	66.100	535	1070	220	29.7
560	600	10	753 200 128	132.000	600	1200	245	33.2
630	600	10	753 200 129	139.000	650	1300	265	37.4



Tee 45° equal PE100 d50-110mm / SDR11 / Long version

- 10 bar Gas / 16 bar Water



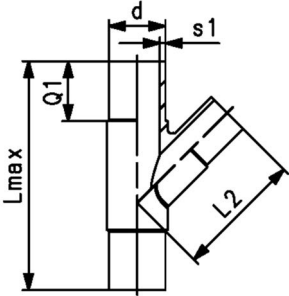
d	DN	PN	Code	Weight	L2	Lmax	Q1	s1
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
50	40	16	753 251 010	0.300	139	218	56	4.6
63	50	16	753 251 011	0.440	156	255	65	6.2
75	65	16	753 251 012	0.800	190	299	77	6.8
90	80	16	753 251 013	1.373	234	367	85	8.2
110	100	16	753 251 014	1.800	260	397	90	10.0



Tee 45° equal PE100 d90-110mm / SDR17 / Long version

- 5 bar Gas / 10 bar Water

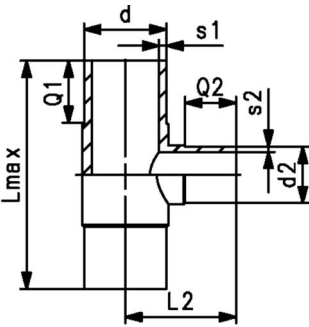
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L2 (mm)	Lmax (mm)	Q1 (mm)	s1 (mm)
90	80	10	753 251 063	0.800	236	371	88	5.4
110	100	10	753 251 064	1.400	259	400	92	6.6



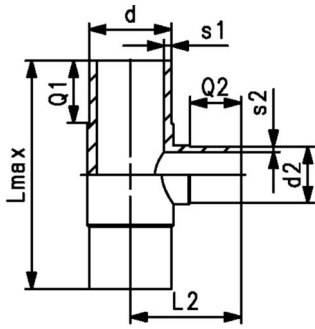
Tee 90° reduced PE100 d63- d315mm / SDR11 / Long version

Model:

- 10 bar Gas / 16 bar Water
- Fittings are injection moulded
- * FM 1613 approved - 15 bar



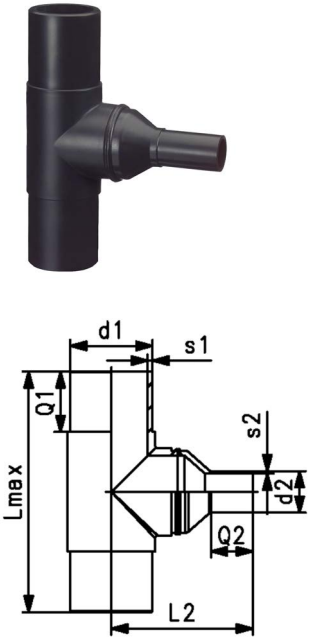
d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L2 (mm)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
63	32	50	16	753 201 022	0.300	86	218	65	47	5.8	3.0
63	40	50	16	753 201 026	0.312	107	230	67	58	5.8	3.7
63	50	50	16	753 201 021	0.300	100	218	65	59	5.8	4.6
75	32	65	16	753 201 023	0.455	98	248	73	46	6.8	3.0
75	50	65	16	753 201 024	0.485	109	248	73	58	6.8	4.6
75	63	65	16	753 201 025	0.520	118	248	73	65	6.8	5.8
90	50	80	16	753 201 027	0.794	120	280	79	55	8.2	4.6
90	63	80	16	753 201 029	0.775	127	282	79	63	8.2	5.8
90	75	80	16	753 201 055	0.800	132	286	80	75	8.2	6.8
110	63	100	16	753 201 028	1.409	148	322	87	63	10.0	5.8
110	75	100	16	753 201 131	1.382	155	324	85	74	10.0	6.8
110	90	100	16	753 201 032	1.275	164	322	86	79	10.0	8.2
125	90	100	16	753 201 132	1.997	165	354	90	82	11.4	8.2
125	110	100	16	753 201 133	2.097	167	350	90	85	11.4	10.0
160	63	150	16	753 201 034	2.680	174	416	105	65	14.6	5.8
160	75	150	16	753 201 880	2.295	180	410	103	73	14.6	6.8
160	90	150	16	753 201 036	2.775	190	415	101	79	14.6	8.2
160	110	150	16	753 201 037	3.300	200	415	101	82	14.6	10.0
180	90	150	16	753 201 881	4.857	200	476	108	82	16.4	8.2
180	110	150	16	753 201 882	4.750	202	480	107	84	16.4	10.0
180	160	150	16	753 201 883	4.715	220	480	110	101	16.4	14.6
200	63	200	16	753 201 073	7.300	196	503	122	63	18.2	5.8
200	90	200	16	753 201 074	9.730	216	500	122	79	18.2	8.2
200	110	200	16	753 201 075	7.120	219	505	122	82	18.2	10.0
200	160	200	16	753 201 076	9.730	237	500	122	92	18.2	14.6
225	75	200	16	753 201 039	9.880	219	560	120	70	20.5	6.8
225	90	200	16	753 201 040	6.633	228	555	120	80	20.5	8.2
225	110	200	16	753 201 041	10.010	238	559	120	82	20.5	10.0
225	160	200	16	753 201 042	8.095	258	555	120	98	20.5	14.6



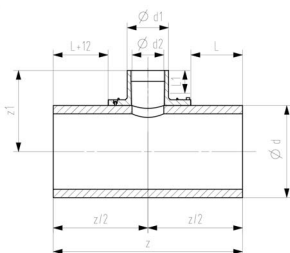
	d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L2 (mm)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
	225	180	200	16	753 201 043	9.375	284	559	120	105	20.5	16.4
	250	110	250	16	753 201 078	11.820	284	584	130	82	22.7	10.0
	250	160	250	16	753 201 079	12.302	266	586	127	98	22.7	14.6
*	315	90	300	16	753 201 154	16.700	165	520	90	83	28.6	8.2
*	315	110	300	16	753 201 051	15.300	282	705	150	82	28.6	10.0
	315	160	300	16	753 201 052	22.998	301	705	150	102	28.6	14.6
	315	200	300	16	753 201 152	18.710	313	680	155	117	28.6	18.2
	315	225	300	16	753 201 153	20.160	320	680	153	125	28.6	20.5
	315	250	300	16	753 201 054	24.243	331	695	150	130	28.6	22.7

Tee 90° reduced PE100
d25-400mm / SDR11 / Welded reducer / Long version

• 10 bar Gas / 16 bar Water



	d1 (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L2 (mm)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
	25	20	20	16	753 201 002	0.053	101	160	52	52	3.0	3.0
	32	20	25	16	753 201 003	0.094	105	170	54	52	3.0	3.0
	32	25	25	16	753 201 004	0.098	110	170	54	52	3.0	3.0
	40	20	32	16	753 201 005	0.124	120	190	57	52	3.7	3.0
	40	25	32	16	753 201 069	0.160	120	190	57	52	3.7	3.0
	40	32	32	16	753 201 070	0.160	120	190	57	52	3.7	3.0
	50	20	40	16	753 201 072	0.252	140	210	63	52	4.6	3.0
	50	25	40	16	753 201 077	0.203	130	210	63	52	4.6	3.0
	50	32	40	16	753 201 080	0.207	130	210	63	53	4.6	3.0
	50	40	40	16	753 201 081	0.224	130	210	63	57	4.6	3.7
	75	40	65	16	753 201 084	0.603	180	264	72	57	6.8	3.7
	125	63	100	16	753 201 085	2.359	225	366	92	61	11.4	5.8
	125	75	100	16	753 201 086	2.434	235	366	92	72	11.4	6.8
	140	75	125	16	753 201 087	3.038	230	396	92	70	12.7	6.8
	140	90	125	16	753 201 089	3.092	235	396	92	79	12.7	8.2
	140	110	125	16	753 201 090	3.208	240	396	92	82	12.7	10.0
	140	125	125	16	753 201 091	4.170	240	396	92	90	12.7	11.4
	160	125	150	16	753 201 092	4.544	265	420	102	92	14.6	11.4
	160	140	150	16	753 201 093	5.895	270	420	102	96	14.6	12.7
	180	125	150	16	753 201 094	6.111	285	460	107	92	16.4	11.4
	180	140	150	16	753 201 095	6.317	295	460	107	110	16.4	12.7
	200	125	200	16	753 201 096	8.424	295	500	117	92	18.2	11.4
	200	140	200	16	753 201 097	10.570	310	500	117	110	18.2	12.7
	200	180	200	16	753 201 098	9.031	310	500	117	110	18.2	16.4
	225	125	200	16	753 201 099	11.260	320	540	122	92	20.5	11.4
	225	140	200	16	753 201 100	14.574	335	540	122	110	20.5	12.7
	225	200	200	16	753 201 101	14.925	340	540	122	117	20.5	18.2
	250	180	250	16	753 201 102	14.327	350	576	130	105	22.7	16.4
	250	200	250	16	753 201 103	19.220	360	576	130	112	22.7	18.2
	250	225	250	16	753 201 104	15.240	390	576	130	120	22.7	20.5
	280	200	250	16	753 201 105	24.520	420	616	139	112	25.4	18.2
	280	225	250	16	753 201 106	21.755	420	616	139	120	25.4	20.5
	280	250	250	16	753 201 107	21.055	420	616	139	130	25.4	22.7
	315	280	300	16	753 201 109	34.950	480	690	150	139	28.6	25.4
	355	250	350	16	753 201 110	48.900	530	818	165	130	32.3	22.7
	355	280	350	16	753 201 111	49.300	480	818	165	139	32.3	25.4
	355	315	350	16	753 201 112	49.690	480	818	165	150	32.3	28.6
	400	280	400	16	753 201 113	52.915	530	910	180	139	36.4	25.4
	400	315	400	16	753 201 114	53.625	580	910	180	150	36.4	28.6
	400	355	400	16	753 201 115	54.075	675	910	180	165	36.4	32.3



Tee 90° reduced PE100
d315-630mm / SDR11 / Welded saddle / Long version

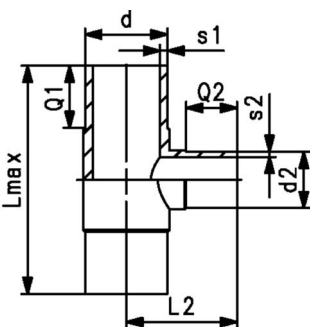
- 10 bar Gas / 16 bar Water

d (mm)	d1 (mm)	DN (mm)	PN (bar)	SDR	Code	Weight (kg)	z (mm)	z1 (mm)	L (mm)	L1 (mm)	d2 (mm)
315	225	300	16	11	753 201 404	22.570	702	318	168	127	172
355	90	350	16	11	753 201 356	27.729	818	410	279	81	70
355	110	350	16	11	753 201 357	28.204	818	410	279	86	90
355	125	350	16	11	753 201 358	28.820	818	410	279	92	90
355	160	350	16	11	753 201 412	26.450	732	315	205	110	123
355	225	350	16	11	753 201 414	28.500	732	338	183	127	172
400	90	400	16	11	753 201 359	38.213	910	455	325	81	70
400	110	400	16	11	753 201 360	38.763	910	455	325	86	90
400	125	400	16	11	753 201 361	39.393	910	455	325	92	90
400	160	400	16	11	753 201 422	34.150	762	337	220	110	123
400	225	400	16	11	753 201 424	36.170	762	360	198	127	172
450	90	450	16	11	753 201 362	50.936	970	485	355	81	70
450	110	450	16	11	753 201 363	51.516	970	485	355	86	90
450	125	450	16	11	753 201 364	52.173	970	485	355	92	90
450	160	450	16	11	753 201 432	44.420	792	362	235	110	123
450	225	450	16	11	753 201 434	46.440	792	385	213	127	172
500	90	500	16	11	753 201 365	68.151	1060	530	400	81	70
500	110	500	16	11	753 201 366	68.774	1060	530	400	86	90
500	125	500	16	11	753 201 367	69.472	1060	530	400	92	90
500	160	500	16	11	753 201 442	66.510	980	387	329	110	123
500	225	500	16	11	753 201 444	68.450	980	410	307	127	172
560	90	600	16	11	753 201 368	120.536	1510	755	625	81	70
560	110	600	16	11	753 201 369	121.384	1510	755	625	86	90
560	125	600	16	11	753 201 370	122.278	1510	755	625	92	90
560	160	600	16	11	753 201 452	85.020	1010	417	344	110	123
560	225	600	16	11	753 201 454	86.970	1010	440	322	127	172
630	90	600	16	11	753 201 371	163.834	1630	815	685	81	70
630	110	600	16	11	753 201 372	164.742	1630	815	685	86	90
630	125	600	16	11	753 201 373	165.688	1630	815	685	92	90
630	160	600	16	11	753 201 462	111.120	1050	452	364	110	123
630	225	600	16	11	753 201 464	113.250	1050	475	342	127	172

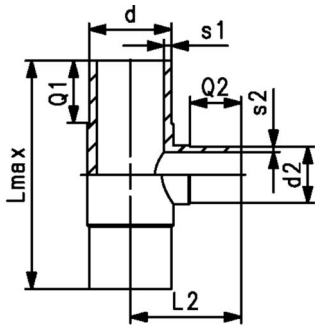
Tee 90° reduced PE100 d90-
d315mm / SDR17 / Long version

Model:

- 10 bar Gas / 16 bar Water
- Fittings are injection moulded



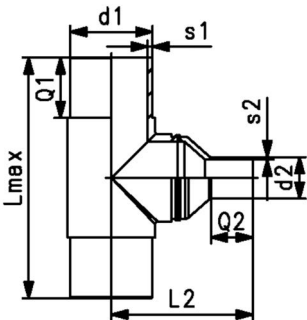
d (mm)	d2 (mm)	DN (mm)	PN	Code	Weight (kg)	L2 (mm)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
90	50	80	10	753 201 827	0.630	117	275	79	55	5.4	3.0
90	63	80	10	753 200 829	0.560	123	275	79	63	5.4	3.8
90	75	80	10	753 201 855	0.580	132	286	80	75	5.4	4.5
110	63	100	10	753 200 828	1.010	147	318	82	63	6.6	3.8
110	75	100	10	753 200 131	1.029	155	324	85	74	6.6	4.5
110	90	100	10	753 200 832	0.941	158	318	82	79	6.6	5.4
125	90	100	10	753 200 132	1.500	165	354	90	82	7.4	5.4
125	110	100	10	753 200 133	1.560	167	354	90	85	7.4	6.6
160	63	150	10	753 200 834	2.554	130	330	86	63	9.5	3.8
160	75	150	10	753 200 880	1.920	180	420	105	75	9.5	4.5
160	90	150	10	753 200 836	1.972	188	410	98	79	9.5	5.4
160	110	150	10	753 200 837	2.716	195	410	98	82	9.5	6.6
180	90	150	10	753 200 881	2.780	200	484	110	82	10.7	5.4
180	110	150	10	753 200 150	4.320	205	486	110	86	10.7	6.6
180	160	150	10	753 200 882	5.560	220	484	110	100	18.7	9.5
200	63	200	10	753 201 873	6.800	190	500	122	63	11.9	3.8



d	d2	DN	PN	Code	Weight	L2	Lmax	Q1	Q2	s1	s2
(mm)	(mm)	(mm)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
200	90	200	10	753 201 874	6.900	207	500	122	79	11.9	5.4
200	110	200	10	753 201 875	5.097	215	500	122	82	11.9	6.6
200	160	200	10	753 201 876	7.400	234	500	122	98	11.9	9.5
225	75	200	10	753 200 839	7.128	277	555	120	70	13.4	4.5
225	90	200	10	753 200 840	4.732	226	555	127	80	13.4	5.4
225	110	200	10	753 200 841	4.700	235	555	127	82	13.4	6.6
225	160	200	10	753 200 842	5.922	253	555	127	98	13.4	9.5
225	180	200	10	753 200 843	7.211	280	550	120	105	13.4	10.7
250	110	250	10	753 201 878	8.185	242	575	130	82	14.8	6.6
250	160	250	10	753 201 879	9.800	261	575	130	98	14.8	9.5
315	110	300	10	753 200 851	15.621	277	695	150	82	18.7	6.6
315	160	300	10	753 200 852	12.200	296	695	150	102	18.7	9.5
315	200	300	10	753 200 152	17.910	313	690	155	117	18.7	11.9
315	225	300	10	753 200 153	16.035	320	690	155	125	18.7	13.4
315	250	300	10	753 200 854	15.500	325	695	150	130	18.7	14.8

Tee 90° reduced PE100
d125-400mm / SDR17 / Welded reducer / Long version

• 5 bar Gas / 10 bar Water



d1	d2	DN	PN	Code	Weight	L2	Lmax	Q1	Q2	s1	s2
(mm)	(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
125	63	100	10	753 200 801	1.752	215	366	92	61	7.4	3.8
125	75	100	10	753 200 810	1.806	235	366	92	72	7.4	4.5
140	75	125	10	753 200 812	2.820	240	396	92	70	8.3	4.5
140	90	125	10	753 200 822	2.211	240	396	92	78	8.3	5.4
140	110	125	10	753 200 823	2.266	235	396	92	82	8.3	6.6
140	125	125	10	753 200 824	2.317	240	396	92	87	8.3	7.4
160	125	150	10	753 200 825	3.311	265	428	104	90	9.5	5.4
160	140	150	10	753 200 826	3.416	280	428	104	96	9.5	8.3
180	110	150	10	753 200 827	4.410	285	460	105	92	10.7	6.6
180	125	150	10	753 200 845	4.460	285	460	105	90	10.7	7.4
180	140	150	10	753 200 846	4.483	305	460	105	110	10.7	8.3
200	125	200	10	753 200 847	5.886	310	500	115	92	11.9	7.4
200	140	200	10	753 200 848	7.200	315	500	115	110	11.9	8.3
200	180	200	10	753 200 849	6.900	315	500	115	110	11.9	10.7
225	125	200	10	753 200 850	7.937	320	540	122	92	13.4	7.4
225	140	200	10	753 200 855	8.780	345	540	122	110	13.4	8.3
225	200	200	10	753 200 856	9.064	335	540	122	115	13.4	11.9
250	180	250	10	753 200 857	15.000	340	576	130	105	14.8	10.7
250	200	250	10	753 200 858	15.440	350	576	130	112	14.8	11.9
250	225	250	10	753 200 859	15.620	370	576	130	120	14.8	13.4
280	200	250	10	753 200 860	15.700	400	616	139	112	16.6	11.9
280	225	250	10	753 200 861	19.500	400	616	139	120	16.6	13.4
280	250	250	10	753 200 862	20.120	400	616	139	130	16.6	14.8
315	280	300	10	753 200 864	26.940	480	690	150	139	18.7	16.6
355	250	350	10	753 200 865	35.770	480	818	165	130	21.1	14.8
355	280	350	10	753 200 866	36.330	480	818	165	139	21.1	16.6
355	315	350	10	753 200 867	37.740	490	818	165	150	21.1	18.7
400	280	400	10	753 200 868	48.330	540	910	180	139	23.7	16.6
400	315	400	10	753 200 869	48.880	580	910	180	150	23.7	18.7
400	355	400	10	753 200 870	50.020	675	910	180	165	23.7	21.1

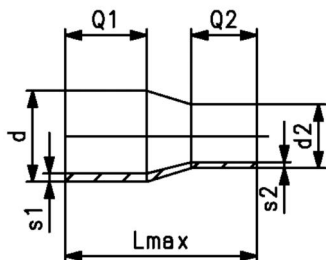
Reducers

Reducer PE100

d25-630mm / SDR11 / Long version

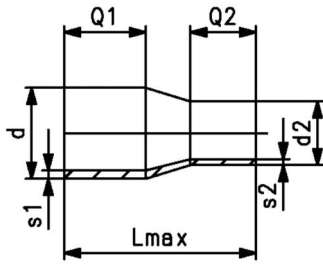
Model:

- 10 bar Gas / 16 bar Water
- * FM 1613 approved - 15 bar



d	d2	DN	PN	SDR	Code	Weight	Lmax	Q1	Q2	s1	s2	
(mm)	(mm)	(mm)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	
25	20	20	16	11	753 901 038	0.022	115	53	52	3.0	3.0	
32	20	25	16	11	753 901 042	0.027	122	55	53	3.0	3.0	
32	25	25	16	11	753 901 041	0.033	122	55	53	3.0	3.0	
40	20	32	16	11	753 901 048	0.043	127	56	50	3.7	3.0	
40	25	32	16	11	753 901 047	0.045	128	55	50	3.7	3.0	
40	32	32	16	11	753 901 046	0.047	128	55	52	3.7	3.0	
50	20	40	16	11	753 901 055	0.064	147	62	50	4.6	3.0	
50	25	40	16	11	753 901 054	0.069	139	62	50	4.6	3.0	
50	32	40	16	11	753 901 053	0.067	140	62	54	4.6	3.0	
50	40	40	16	11	753 901 052	0.079	138	62	55	4.6	3.7	
63	32	50	16	11	753 901 060	0.113	150	65	53	5.8	3.0	
63	40	50	16	11	753 901 059	0.122	150	65	57	5.8	3.7	
63	50	50	16	11	753 901 058	0.128	150	65	62	5.8	4.6	
75	40	65	16	11	753 901 063	0.185	170	72	51	6.8	3.7	
75	50	65	16	11	753 901 064	0.188	170	72	65	6.8	4.6	
75	63	65	16	11	753 901 065	0.209	170	72	65	6.8	5.8	
90	50	80	16	11	753 901 072	0.289	190	81	61	8.2	4.6	
90	63	80	16	11	753 901 071	0.316	190	81	65	8.2	5.8	
90	75	80	16	11	753 901 070	0.330	190	81	72	8.2	6.8	
110	63	100	16	11	753 901 078	0.487	205	85	65	10.0	5.8	
110	75	100	16	11	753 901 077	0.501	205	84	72	10.0	6.8	
*	110	90	100	16	11	753 901 076	0.549	205	85	81	10.0	8.2
125	63	100	16	11	753 901 083	0.607	214	88	65	11.4	5.8	
125	75	100	16	11	753 901 082	0.667	210	89	72	11.4	6.8	
*	125	90	100	16	11	753 901 081	0.683	211	89	81	11.4	8.2
*	125	110	100	16	11	753 901 080	0.775	211	90	84	11.4	10.0
140	75	125	16	11	753 901 086	0.910	237	113	77	12.7	6.8	
*	140	90	125	16	11	753 901 087	0.954	237	114	86	12.7	8.2
*	140	110	125	16	11	753 901 084	0.977	232	104	93	12.7	10.0
*	140	125	125	16	11	753 901 085	1.078	232	102	100	12.7	11.4
*	160	90	150	16	11	753 901 088	1.164	244	100	81	14.6	8.2
*	160	110	150	16	11	753 901 090	1.239	242	100	85	14.6	10.0
*	160	125	150	16	11	753 901 089	1.333	240	100	89	14.6	11.4
*	160	140	150	16	11	753 901 032	1.522	255	110	104	14.6	12.7
*	180	90	150	16	11	753 901 073	1.507	245	105	81	16.4	8.2
*	180	110	150	16	11	753 901 074	1.833	277	124	94	16.4	10.0
*	180	125	150	16	11	753 901 091	1.723	258	108	92	16.4	11.4
*	180	140	150	16	11	753 901 075	1.976	278	124	113	16.4	12.7
*	180	160	150	16	11	753 901 033	1.968	255	107	102	16.4	14.6
*	200	140	200	16	11	753 901 066	2.326	282	123	114	18.2	12.7
*	200	160	200	16	11	753 901 092	2.435	252	104	120	18.2	14.6
*	200	180	200	16	11	753 901 034	2.724	279	124	120	18.2	16.4
*	225	140	200	16	11	753 901 067	2.900	295	132	115	20.5	12.7
*	225	160	200	16	11	753 901 096	2.891	278	120	98	20.5	14.6
*	225	180	200	16	11	753 901 095	3.244	297	128	120	20.5	16.4
*	225	200	200	16	11	753 901 094	3.538	280	124	117	20.5	18.2
*	250	160	250	16	11	753 901 000	2.385	309	150	97	22.7	14.6
*	250	180	250	16	11	753 901 068	4.299	312	150	106	22.7	16.4
*	250	200	250	16	11	753 901 001	4.766	327	155	115	22.7	18.2
*	250	225	250	16	11	753 901 002	4.950	332	130	120	22.7	20.5
*	280	200	250	16	11	753 901 098	5.830	347	140	115	25.4	18.2
*	280	225	250	16	11	753 901 099	6.112	340	140	122	25.4	20.5
*	280	250	250	16	11	753 901 003	6.480	320	137	133	25.4	22.7

table continued on the next page



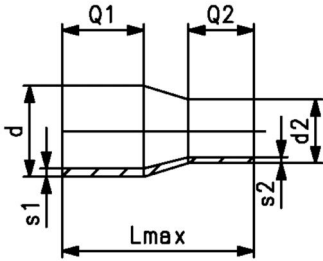
	d (mm)	d2 (mm)	DN (mm)	PN (bar)	SDR	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
*	315	200	250	16	11	753 901 011	7.220	355	150	112	18.7	11.9
*	315	225	300	16	11	753 901 097	7.790	375	150	123	28.6	20.5
*	315	250	300	16	11	753 901 005	8.360	375	150	132	28.6	22.7
*	315	280	300	16	11	753 901 012	8.800	375	150	144	28.6	25.4
	355	250	350	16	11	753 901 013	10.140	390	165	130	32.3	22.7
	355	280	350	16	11	753 901 014	10.740	390	165	139	32.3	25.4
	355	315	350	16	11	753 901 015	11.590	390	165	150	32.3	28.6
	400	280	400	16	11	753 901 016	13.660	415	180	139	36.4	25.4
	400	315	400	16	11	753 901 017	14.490	415	180	150	36.4	28.6
*	400	355	400	16	11	753 901 018	15.830	420	180	165	36.4	32.3
	450	280	450	16	11	753 901 019	15.420	389	195	139	40.9	25.4
	450	315	450	16	11	753 901 020	16.150	390	195	150	40.9	28.6
	450	355	450	16	11	753 901 022	17.240	393	195	164	40.9	32.3
	450	400	450	16	11	753 901 024	18.790	395	195	179	40.9	36.4
	500	315	500	16	11	753 901 025	20.780	422	212	150	45.5	28.6
	500	355	500	16	11	753 901 026	21.770	424	212	164	45.5	32.3
	500	400	500	16	11	753 901 027	23.270	426	212	179	45.5	36.4
	500	450	500	16	11	753 901 029	25.380	428	212	195	45.5	40.9
	560	355	600	16	11	753 901 030	28.420	459	230	164	50.9	32.3
	560	400	600	16	11	753 901 039	29.850	461	230	179	50.9	36.4
	560	450	600	16	11	753 901 040	31.870	463	230	195	50.9	40.9
	560	500	600	16	11	753 901 043	34.430	466	230	212	50.9	45.5
	630	400	600	16	11	753 901 044	39.400	502	250	179	57.3	36.4
	630	450	600	16	11	753 901 045	41.240	503	250	195	57.3	40.9
	630	500	600	16	11	753 901 049	43.700	506	250	212	57.3	45.5
	630	560	600	16	11	753 901 050	47.070	506	250	230	57.3	50.9

Reducer PE100

d90-d1000mm / SDR17 / Long version

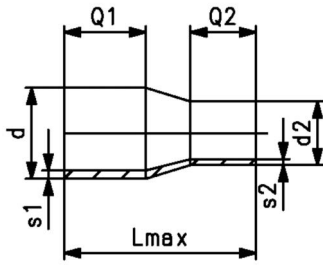
Model:

- 5 bar Gas / 10 bar Water



d (mm)	d2 (mm)	DN (mm)	PN (bar)	SDR	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
90	63	80	10	17	753 900 872	0.224	182	79	63	5.4	3,8
90	75	80	10	17	753 900 870	0.234	185	79	70	5.4	4,5
110	63	100	10	17	753 900 877	0.326	185	82	68	6.6	3,8
110	90	100	10	17	753 900 876	0.333	205	82	80	6.6	5,4
125	63	100	10	17	753 900 882	0.610	200	91	68	7.4	3,8
125	90	100	10	17	753 900 881	0.461	200	90	80	7.4	5,4
125	110	100	10	17	753 900 880	0.507	200	90	90	7.4	6,6
140	75	125	10	17	753 900 886	0.560	230	112	76	8.3	4,5
140	90	125	10	17	753 900 887	0.642	235	112	86	8.3	5,4
140	110	125	10	17	753 900 884	0.715	237	112	91	8.3	6,6
140	125	125	10	17	753 900 885	0.754	237	118	93	8.3	7,4
160	90	150	10	17	753 900 888	0.752	238	108	85	9.5	5,4
160	110	150	10	17	753 900 890	0.930	252	111	89	9.5	6,4
160	125	150	10	17	753 900 889	0.930	251	110	96	9.5	7,4
160	140	150	10	17	753 900 831	0.995	260	120	110	9.5	8,3
180	90	150	10	17	753 900 873	1.010	245	105	81	10.7	5,4
180	110	150	10	17	753 900 874	1.600	275	124	94	10.7	6,6
180	125	150	10	17	753 900 891	1.165	250	105	87	10.7	7,4
180	140	150	10	17	753 900 875	1.720	277	123	114	10.7	8,3
180	160	150	10	17	753 900 832	2.100	279	122	125	10.7	9,5
200	140	200	10	17	753 900 866	1.800	279	122	114	11.9	8,3
200	160	200	10	17	753 900 892	1.664	278	122	124	11.9	9,5
200	180	200	10	17	753 900 893	2.580	272	120	120	11.9	10,7
225	140	200	10	17	753 900 867	2.021	290	134	114	13.4	8,3
225	160	200	10	17	753 900 896	2.020	280	120	100	13.4	9,5
225	180	200	10	17	753 900 895	2.240	285	125	118	13.4	10,7
225	200	200	10	17	753 900 894	2.237	272	126	120	13.4	11,9
250	160	250	10	17	753 900 800	2.850	308	152	100	14.8	9,5
250	180	250	10	17	753 900 868	3.100	316	153	105	14.8	10,7
250	200	250	10	17	753 900 801	3.210	324	157	112	14.8	11,9
250	225	250	10	17	753 900 802	2.385	330	168	120	14.8	13,4
280	200	250	10	17	753 900 898	3.800	345	142	116	16.6	11,9
280	225	250	10	17	753 900 899	4.062	335	140	124	16.6	13,4
280	250	250	10	17	753 900 803	4.352	340	140	134	16.6	14,8
315	200	300	10	17	753 800 897	4.960	355	150	112	28.6	18,2
315	225	300	10	17	753 900 807	6.200	370	153	124	18.7	13,4
315	250	300	10	17	753 900 805	6.420	367	152	134	18.7	14,8
315	280	300	10	17	753 900 806	5.940	369	150	140	18.7	16,6
355	250	350	10	17	753 900 808	6.970	390	165	130	21.1	14,8
355	280	350	10	17	753 900 809	7.380	390	165	140	21.1	16,6
355	315	350	10	17	753 900 810	7.960	390	165	150	21.1	18,7
400	280	400	10	17	753 900 811	9.370	415	180	140	23.7	16,6
400	315	400	10	17	753 900 812	9.940	415	180	150	23.7	18,7
400	355	400	10	17	753 900 813	10.850	420	180	165	23.7	21,1
450	280	450	10	17	753 900 814	10.570	389	195	140	26.7	16,6
450	315	450	10	17	753 900 815	11.080	390	195	150	26.7	18,7
450	355	450	10	17	753 900 816	11.830	393	195	164	26.7	21,1
450	400	450	10	17	753 900 817	12.860	395	195	179	26.7	23,7
500	315	500	10	17	753 900 818	14.300	422	212	150	29.7	18,7
500	355	500	10	17	753 900 819	15.000	424	212	164	29.7	21,1
500	400	500	10	17	753 900 820	16.000	426	212	179	29.7	23,7
500	450	500	10	17	753 900 821	17.430	428	212	195	29.7	26,7
560	355	600	10	17	753 900 822	19.480	459	230	164	33.2	21,1
560	400	600	10	17	753 900 823	20.430	461	230	179	33.2	23,7
560	450	600	10	17	753 900 824	21.810	463	230	195	33.2	26,7
560	500	600	10	17	753 900 825	23.590	466	230	212	33.2	29,7
630	400	600	10	17	753 900 826	26.950	502	250	179	37.4	23,7

table continued on the next page



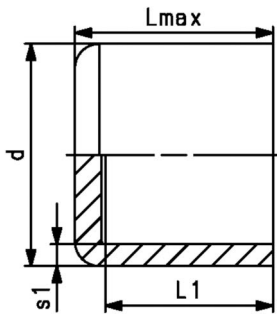
d (mm)	d2 (mm)	DN (mm)	PN (bar)	SDR	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
630	450	600	10	17	753 900 827	28.210	503	250	195	37.4	26.7
630	500	600	10	17	753 900 828	29.920	506	250	212	37.4	29.7
630	560	600	10	17	753 900 829	32.260	506	250	230	37.4	33.3
710	500	700	10	17	753 900 833	54.500	790	300	300	42.1	29.7
710	560	700	10	17	753 900 834	57.030	770	300	300	42.1	33.2
710	630	700	10	17	753 900 835	59.770	740	300	300	42.1	37.4
800	560	800	10	17	753 900 836	69.790	800	300	300	47.4	33.2
800	630	800	10	17	753 900 837	73.290	780	300	300	47.4	37.4
800	710	800	10	17	753 900 838	76.870	750	300	300	47.4	42.1
900	630	900	10	17	753 900 839	90.710	820	300	300	53.3	37.4
900	710	900	10	17	753 900 840	94.090	790	300	300	53.3	42.1
900	800	900	10	17	753 900 841	98.690	760	300	300	53.3	47.4
1000	710	1000	10	17	753 900 842	113.020	820	300	300	59.3	42.1
1000	800	1000	10	17	753 900 843	115.780	780	300	300	59.3	47.4
1000	900	1000	10	17	753 900 844	119.800	740	300	300	59.3	53.3

Caps



End cap PE100 d20-d630mm / SDR11 / Long version

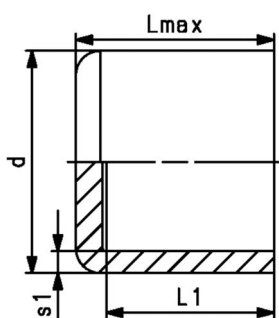
- 10 bar Gas / 16 bar Water
- * FM 1613 approved - 15 bar
- ** FM 1613 approved - 12 bar
- *** Fabricated fitting made from pipe



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L1 (mm)	Lmax (mm)	s1 (mm)
20	15	16	753 961 006	0.010	52	52	3.0
25	20	16	753 961 007	0.015	52	52	3.0
32	25	16	753 961 008	0.020	54	54	3.0
40	32	16	753 961 009	0.033	57	57	3.7
50	40	16	753 961 010	0.054	63	63	4.6
63	50	16	753 961 011	0.086	65	65	5.8
75	65	16	753 961 012	0.146	72	80	6.8
*	90	80	753 961 013	0.240	81	90	8.2
*	110	100	753 961 014	0.373	86	98	10.0
*	125	100	753 961 015	0.546	92	105	11.4
*	140	125	753 961 016	0.727	92	136	12.7
*	160	150	753 961 017	1.034	102	120	14.6
*	180	150	753 961 018	1.351	107	128	16.4
*	200	200	753 961 019	1.845	115	138	18.2
*	225	200	753 961 020	2.514	122	148	20.5
*	250	250	753 961 021	3.927	130	205	22.7
*	280	250	753 960 922	5.045	139	235	25.4
*	315	300	753 960 923	6.861	150	255	28.6
** , ***	355	350	753 960 924	9.780	165	280	32.3
** , ***	400	400	753 960 925	13.370	180	310	36.4
** , ***	450	450	753 960 926	22.120	220	300	40.9
** , ***	500	500	753 960 927	30.226	240	325	45.4
***	560	600	753 960 928	42.368	270	360	50.8
***	630	600	753 960 929	64.850	300	400	54.2

End cap PE100
d50-1000mm / SDR17 / Long version

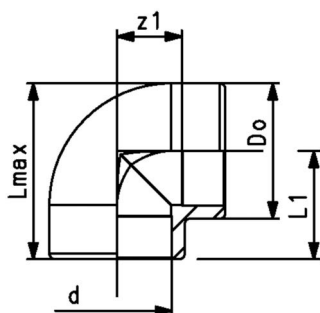
- 5 bar Gas / 10 bar Water
- * Fabricated fitting made from pipe



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L1 (mm)	Lmax (mm)	s1 (mm)
50	40	10	753 960 810	0.036	55	70	3.0
63	50	10	753 960 811	0.058	63	82	3.8
75	65	10	753 960 812	0.105	70	92	4.5
90	80	10	753 960 813	0.214	81	90	5.4
110	100	10	753 960 814	0.272	86	98	6.6
125	100	10	753 960 815	0.487	92	105	7.4
140	125	10	753 960 816	0.481	92	136	8.3
160	150	10	753 960 817	0.920	102	120	9.5
180	150	10	753 960 818	1.216	107	128	10.7
200	200	10	753 960 819	1.687	115	138	11.9
225	200	10	753 960 820	2.265	122	148	13.4
250	250	10	753 960 821	2.547	130	205	14.8
280	250	10	753 960 822	3.523	139	235	16.6
315	300	10	753 960 823	4.758	150	255	18.7
355	350	10	753 960 824	6.510	165	280	21.1
400	400	10	753 960 825	9.347	180	310	23.7
*	450	450	753 960 826	16.795	220	290	26.7
*	500	500	753 960 827	22.638	240	315	29.7
*	560	600	753 960 828	31.062	260	340	33.2
*	630	600	753 960 829	43.506	280	370	37.4
*	710	700	753 960 830	53.950	190	310	42.1
*	800	800	753 960 831	73.281	190	320	47.4
*	900	900	753 960 832	98.923	190	330	53.5
*	1000	1000	753 960 833	123.925	190	340	59.3

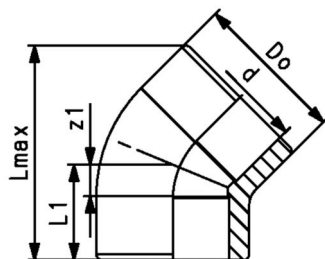
socket fusion fittings

Elbow 90° PE80
d20-110mm



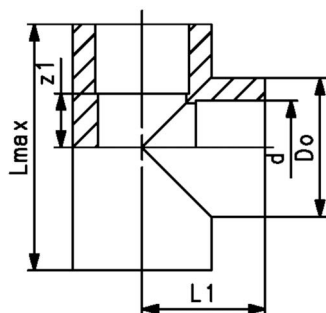
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	Lmax (mm)	z1 (mm)
20	15	10	733 100 106	0.022	31	28	43.3	14
25	20	10	733 100 107	0.031	36	32	50.0	16
32	25	10	733 100 108	0.048	44	38	59.8	20
40	32	10	733 100 109	0.078	54	44	70.8	24
50	40	10	733 100 110	0.129	66	51	84.0	28
63	50	10	733 100 111	0.228	82	62	103.0	35
75	65	10	733 100 112	0.311	93	76	121.8	45
90	80	10	733 100 113	0.498	110	88	143.0	53
110	100	10	733 100 114	0.864	134	106	173.0	65

**Elbow 45° PE80
d20-110mm**



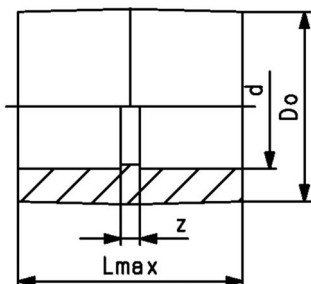
d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	Lmax (mm)	z1 (mm)
20	15	10	733 150 106	0.018	31	21	46.6	7
25	20	10	733 150 107	0.026	36	24	53.7	8
32	25	10	733 150 108	0.043	44	28	63.2	10
40	32	10	733 150 109	0.061	53	33	75.1	13
50	40	10	733 150 110	0.087	64	36	84.1	13
63	50	10	733 150 111	0.184	82	43	102.0	16
75	65	10	733 150 112	0.229	93	51	119.7	20
90	80	10	733 150 113	0.357	114	58	137.8	23
110	100	10	733 150 114	0.653	134	68	163.8	27

**tee 90° equal PE80
d20-110mm**



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L1 (mm)	Lmax (mm)	z1 (mm)
20	15	10	733 200 106	0.028	31	28	56.0	14
25	20	10	733 200 107	0.041	36	32	64.0	16
32	25	10	733 200 108	0.060	44	38	76.0	20
40	32	10	733 200 109	0.100	54	44	88.0	24
50	40	10	733 200 110	0.166	66	51	102.0	28
63	50	10	733 200 111	0.298	82	62	124.0	35
75	65	10	733 200 112	0.409	93	76	150.5	45
90	80	10	733 200 113	0.749	114	88	176.0	53
110	100	10	733 200 114	1.112	134	106	211.0	65

**Socket equal PE80
d20-110mm**

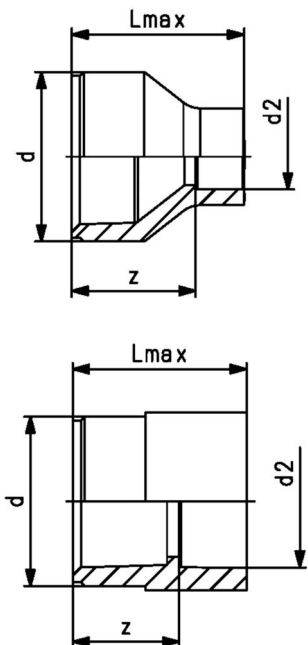


d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	z (mm)
20	25	10	733 910 106	0.014	31	35	7
25	32	10	733 910 107	0.020	36	39	7
32	40	10	733 910 108	0.029	44	43	7
40	50	10	733 910 109	0.047	54	48	8
50	40	10	733 910 110	0.068	66	54	8
63	50	10	733 910 111	0.124	82	62	8
75	65	10	733 910 112	0.152	93	70	8
90	80	10	733 910 113	0.234	112	81	11
110	100	10	733 910 114	0.419	134	96	14

**Reducer PE80
d25-110mm**

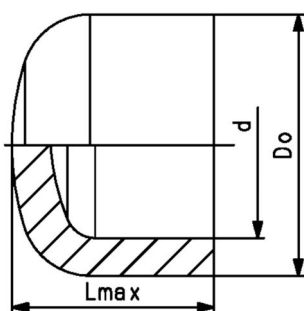


- With socket fusion spigot and fusion socket metric



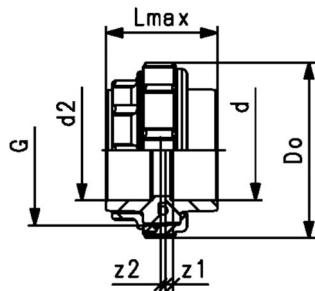
	d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	z (mm)
	25	20	20	10	733 910 337	0.013	39	23
	32	25	25	10	733 910 341	0.021	43	27
*	40	20	32	10	733 910 348	0.023	48	34
*	40	25	32	10	733 910 347	0.027	48	32
	40	32	32	10	733 910 346	0.032	48	30
*	50	32	40	10	733 910 353	0.042	54	36
	50	40	40	10	733 910 352	0.049	54	34
*	63	20	50	10	733 910 362	0.057	64	50
*	63	25	50	10	733 910 361	0.060	64	48
*	63	32	50	10	733 910 360	0.065	64	46
*	63	40	50	10	733 910 359	0.070	64	44
	63	50	50	10	733 910 358	0.086	64	41
	75	63	65	10	733 910 364	0.103	62	35
*	90	63	80	10	733 910 371	0.180	88	62
	90	75	80	10	733 910 370	0.144	70	39
	110	90	100	10	733 910 376	0.254	81	45

**End cap PE80
d20-110mm**



d (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)
20	15	10	733 960 106	0.010	30	27
25	20	10	733 960 107	0.016	36	30
32	25	10	733 960 108	0.025	44	34
40	32	10	733 960 109	0.038	53	38
50	40	10	733 960 110	0.061	65	44
63	50	10	733 960 111	0.097	80	51
75	65	10	733 960 112	0.150	91	66
90	80	10	733 960 113	0.274	111	77
110	100	10	733 960 114	0.405	137	93

unions for socket fusion



Adaptor union PE80

d20-63mm / brass / Female thread Rp

Model:

- Union End: Fusion socket, metric
- Brass resistant to dezincification for use in drinking water applications
- Union Nut: brass
- Gasket: O-ring NBR (Nitrile-rubber)

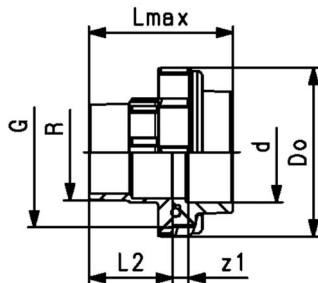
d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	G (inch)	z1 (mm)	z2 (mm)
20	Rp	1/2	15	10	733 580 206	0.209	46	46	1 1/4	9	9
25	Rp	3/4	20	10	733 580 207	0.269	52	48	1 1/2	10	9
32	Rp	1	25	10	733 580 208	0.376	64	51	2	10	9
40	Rp	1 1/4	32	10	733 580 209	0.596	79	56	2 1/2	13	9
50	Rp	1 1/2	40	10	733 580 210	0.666	85	59	2 3/4	13	9
63	Rp	2		10	733 580 211	0.960	104	65	3 1/2	14	9

Adaptor union PE80

d20-63mm / brass / Male thread R

Model:

- Union End: Fusion socket, metric
- Brass resistant to dezincification for use in drinking water applications
- Union Nut: brass
- Gasket: O-ring NBR (Nitrile-rubber)



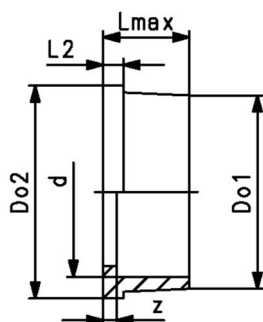
d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	L2 (mm)	Lmax (mm)	G (inch)	z1 (mm)
20	R	1/2	15	10	733 580 706	0.260	46	40	62	1 1/4	6
25	R	3/4	20	10	733 580 707	0.324	52	41	65	1 1/2	6
32	R	1	25	10	733 580 708	0.470	64	45	71	2	6
40	R	1 1/4	32	10	733 580 709	0.754	79	48	78	2 1/2	8
50	R	1 1/2	40	10	733 580 710	0.781	85	43	81	2 3/4	8
63	R	2	50	10	733 580 711	1.166	104	54	91	3 1/2	8

Union end PE80

d20-63mm

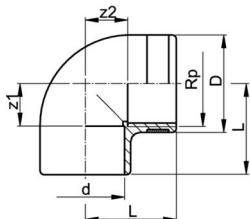
Model:

- With fusion socket metric
 - Suitable for unions, tank connectors and diaphragm valves Type 514
- *Only for variable area flow meters



d (mm)	Do1 (mm)	Do2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	L2 (mm)	Lmax (mm)	z (mm)
20	28	30	15	10	734 600 106	0.006	5	19	5
25	36	39	20	10	734 600 107	0.013	5	21	5
32	42	45	25	10	734 600 108	0.015	6	23	5
40	53	57	32	10	734 600 109	0.026	6	25	5
50	59	63	40	10	734 600 110	0.027	7	28	5
63	74	79	50	10	734 600 111	0.044	8	32	5
*	75	90	65	10	700 246 419	0.163		47	3

adaptor fittings for socket fusion



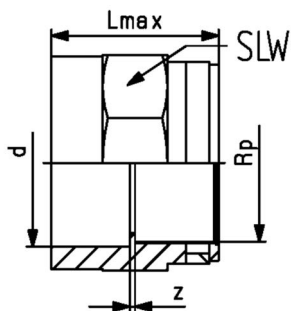
Elbow 90° PE80

d20-40mm / Female thread Rp

Model:

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

d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	D (mm)	L (mm)	z1 (mm)	z2 (mm)
20	Rp	½	15	10	733 100 206	0.024	30	28	14	14
25	Rp	¾	20	10	733 100 207	0.033	35	32	16	16
32	Rp	1	25	10	733 100 208	0.061	44	38	20	20
40	Rp	1 ¼	32	10	733 100 209	0.094	54	44	24	24



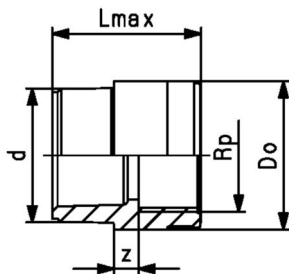
Adaptor socket PE80

d20-63mm / Female thread Rp

Model:

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

d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	z (mm)	SLW (mm)
20	Rp	½	15	10	733 910 206	0.020	35	7	32
25	Rp	¾	20	10	733 910 207	0.026	39	7	36
32	Rp	1	25	10	733 910 208	0.042	45	7	46
40	Rp	1 ¼	32	10	733 910 209	0.068	53	7	55
50	Rp	1 ½	40	10	733 910 210	0.098	54	9	65
63	Rp	2	50	10	733 910 211	0.155	62	9	80



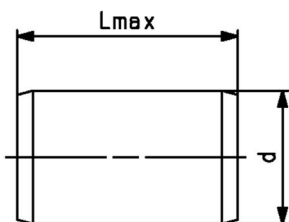
Reducing bush metric PE100

d20-50mm / SDR11 / Female thread Rp

Model:

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

d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	Code	Weight (kg)	Do (mm)	Lmax (mm)	z (mm)
20	Rp	¾	15	10	733 910 434	0.012	26	33	7
25	Rp	½	20	10	733 910 437	0.015	31	37	6
32	Rp	¾	25	10	733 910 441	0.028	36	43	8
40	Rp	1	32	10	733 910 446	0.046	45	49	9
50	Rp	1 ¼	40	10	733 910 452	0.071	55	55	10



Barrel nipple metric PE100

d20-110mm / SDR17

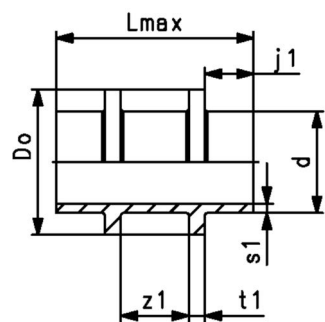
Model:

- With fusion spigots on both sides
- For the shortest possible distance between fittings

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

	d (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)
*	20	10	753 910 906	0.005	40
*	25	10	753 910 907	0.006	40
	32	10	753 910 908	0.010	50
	40	10	753 910 909	0.017	50
	50	10	753 910 910	0.029	60
	63	10	753 910 911	0.058	70
	75	10	753 910 912	0.095	74
	90	10	753 910 913	0.163	89
	110	10	753 910 914	0.305	110

butt welding system



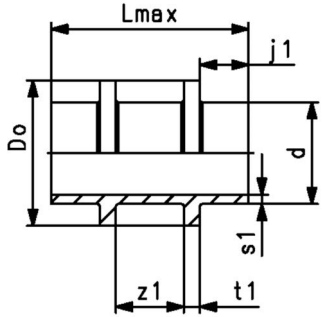
Fixpoint fitting PE100

d63-630mm / SDR11

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Do (mm)	Lmax (mm)	s1 (mm)	t1 (mm)	z1 (mm)	j1 (mm)
63	50	16	IR	753 665 558	0.182	90	122	5.8	10	42	30
75	65	16	IR	753 665 559	0.265	110	122	6.8	10	42	30
90	80	16	IR	753 665 560	0.357	125	122	8.2	10	42	30
110	100	16	IR	753 665 561	0.610	140	142	10.0	15	52	30
125	100	16	IR	753 665 562	0.811	160	152	11.4	15	52	35
140	125	16	IR	753 665 563	1.068	180	162	12.7	15	52	40
160	150	16	IR	753 665 564	1.349	200	162	14.6	15	52	40
180	150	16	IR	753 665 565	2.001	225	182	16.4	20	52	45
200	200	16	IR	753 665 566	2.469	250	182	18.2	20	52	45
225	200	16	IR	753 665 567	3.438	280	192	20.5	25	52	45
250	250	16		753 665 568	3.858	280	212	22.7	25	62	50
280	250	16		753 665 569	5.217	315	222	25.4	30	62	50
315	300	16		753 665 570	6.627	355	222	28.6	30	62	50
355	350	16		753 665 571	7.731	400	192	32.2	35	62	30
400	400	16		753 665 572	10.890	450	212	36.3	40	72	30
450	450	16		753 665 573	14.775	500	232	40.9	45	72	35
500	500	16		753 665 574	20.268	560	252	45.4	50	72	40
560	600	16		753 665 575	28.608	630	282	50.8	55	82	45
630	600	16		753 665 576	39.129	710	302	57.2	60	82	50



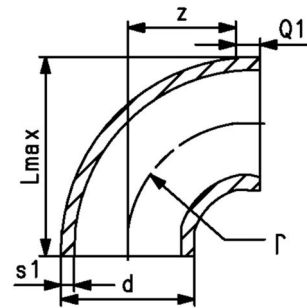
Fixpoint fitting PE100

d63-630mm / SDR17

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Do (mm)	Lmax (mm)	s1 (mm)	t1 (mm)	z1 (mm)	j1 (mm)
63	50	10	IR	753 665 577	0.144	90	122	3.8	10	42	30
75	65	10	IR	753 665 578	0.212	110	122	4.5	10	42	30
90	80	10	IR	753 665 579	0.279	125	122	5.4	10	42	30
110	100	10	IR	753 665 580	0.457	140	142	6.6	15	52	30
125	100	10	IR	753 665 581	0.618	160	152	7.4	15	52	35
140	125	10	IR	753 665 582	0.815	180	162	8.3	15	52	40
160	150	10	IR	753 665 583	1.014	200	162	9.5	15	52	40
180	150	10	IR	753 665 584	1.528	225	182	10.7	20	52	45
200	200	10	IR	753 665 585	1.887	250	182	11.9	20	52	45
225	200	10	IR	753 665 586	2.661	280	192	13.4	25	52	45
250	250	10		753 665 587	2.796	280	212	14.8	25	62	50
280	250	10		753 665 588	3.829	315	222	16.6	30	62	50
315	300	10		753 665 589	4.871	355	222	18.7	30	62	50
355	350	10		753 665 590	5.812	400	192	21.1	35	62	30
400	400	10		753 665 591	8.180	450	212	23.7	40	72	30
450	450	10		753 665 592	11.015	500	232	26.7	45	72	35
500	500	10		753 665 593	15.251	560	252	29.7	50	72	40
560	600	10		753 665 594	21.557	630	282	33.2	55	82	45
630	600	10		753 665 595	29.574	710	302	37.4	60	82	50



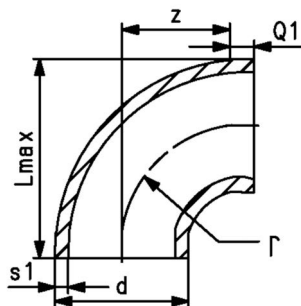
Bend 90° PE100

d20-500mm / SDR11

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
20	15	16	IR	753 018 706	0.007	48.0	23	15.00	1.9	15
25	20	16	IR	753 018 707	0.013	54.5	23	19.00	2.3	19
32	25	16	IR	753 018 708	0.025	62.0	22	24.00	2.9	24
40	32	16	IR	753 018 709	0.041	71.0	21	30.00	3.7	30
50	40	16	IR	753 018 710	0.065	83.0	21	37.00	4.6	37
63	50	16	IR	753 018 711	0.124	97.5	21	45.00	5.8	45
75	65	16	IR	753 018 742	0.190	134.7	21	71.25	6.8	54
90	80	16	IR	753 018 743	0.325	145.0	22	85.50	8.2	68
110	100	16	IR	753 018 744	0.590	196.5	25	104.50	10.0	85
125	100	16	IR	753 018 715	0.818	187.8	28	116.00	11.4	97
140	125	16	IR	753 018 716	1.148	210.3	33	131.00	12.7	107
160	150	16	IR	753 018 717	1.699	240.4	33	151.00	14.6	127
180	150	16	IR	753 018 718	2.394	270.4	33	171.00	16.4	147
200	200	16	IR	753 018 719	3.264	300.5	33	190.00	18.2	167
225	200	16	IR	753 018 720	4.535	333.0	33	210.00	20.5	187
250	250	16		753 018 621	6.713	379.2	48	232.00	22.7	208
280	250	16		753 018 622	9.885	424.6	52	263.00	25.4	234
315	300	16		753 018 623	14.158	478.2	48	297.00	28.6	273
355	350	16		753 018 624	18.000	523.5	70	330.00	32.3	
400	400	16		753 018 625	24.020	566.1	70	350.00	36.3	
450	450	16		753 018 626	35.360	651.2	70	400.00	40.9	
500	500	16		753 018 627	47.370	721.3	90	445.00	45.5	

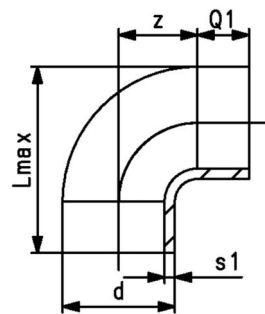


Bend 90° PE100
d50-500mm / SDR17

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	r (mm)	s1 (mm)	z (mm)
50	40	10	IR	753 018 635	0.052	83.0	21	37.00	2.9	37
63	50	10	IR	753 018 636	0.087	97.5	21	45.00	3.6	45
75	65	10	IR	753 018 637	0.133	112.5	21	71.25	4.5	54
90	80	10	IR	753 018 638	0.226	135.0	22	85.50	5.4	68
110	100	10	IR	753 018 639	0.407	165.0	25	104.50	6.6	85
125	100	10	IR	753 018 515	0.556	187.5	28	116.00	7.3	97
140	125	10	IR	753 018 516	0.785	210.0	33	131.00	8.2	107
160	150	10	IR	753 018 517	1.156	240.0	33	151.00	9.4	127
180	150	10	IR	753 018 518	1.619	270.0	33	171.00	10.6	147
200	200	10	IR	753 018 519	2.208	300.0	33	190.00	11.7	167
225	200	10	IR	753 018 520	3.039	332.5	33	210.00	12.9	187
250	250	10		753 018 521	4.645	381.0	48	232.00	14.2	208
280	250	10		753 018 522	7.020	426.0	48	262.00	15.9	238
315	300	10		753 018 523	10.099	478.5	48	297.00	17.9	273
355	350	10		753 018 524	12.580	522.5	70	330.00	21.1	275
400	400	10		753 018 525	16.680	565.0	70	350.00	23.7	295
450	450	10		753 018 526	24.760	650.0	70	400.00	26.7	355
500	500	10		753 018 527	33.640	720.0	90	445.00	29.7	380

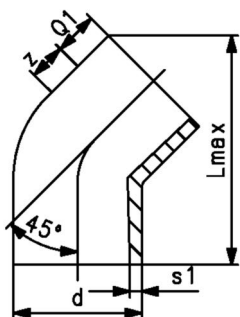


Elbow 90° PE100
d20-63mm / SDR11

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
20	15	16	IR	753 108 606	0.009	48.0	25	1.9	13
25	20	16	IR	753 108 607	0.013	54.5	26	2.3	16
32	25	16	IR	753 108 608	0.026	62.0	27	2.9	19
40	32	16	IR	753 108 609	0.047	71.0	22	3.7	29
50	40	16	IR	753 108 610	0.086	83.0	23	4.6	35
63	50	16	IR	753 108 611	0.150	97.5	21	5.8	45

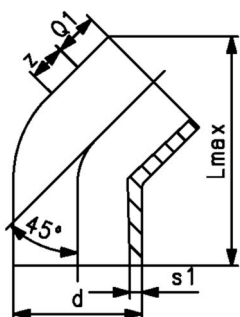


Elbow 45° PE100
d20-225mm / SDR11

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
20	15	16	IR	753 158 606	0.007	61.70	24	1.9	8
25	20	16	IR	753 158 607	0.013	66.88	25	2.3	9
32	25	16	IR	753 158 608	0.019	72.77	25	2.9	11
40	32	16	IR	753 158 609	0.036	80.72	25	3.7	14
50	40	16	IR	753 158 610	0.059	89.38	26	4.6	16
63	50	16	IR	753 158 611	0.103	102.51	29	5.8	18
75	65	16	IR	753 158 612	0.146	110.16	29	6.8	20
90	80	16	IR	753 158 613	0.241	127.42	34	8.2	23
110	100	16	IR	753 158 614	0.442	158.39	43	10.0	27
125	100	16	IR	753 158 615	0.638	179.06	48	11.4	31
140	125	16	IR	753 158 616	0.902	199.72	55	12.7	33
160	150	16	IR	753 158 617	1.340	227.28	60	14.6	40
200	200	16	IR	753 158 619	2.612	282.39	75	18.2	49
225	200	16	IR	753 158 620	3.638	318.54	85	20.5	55



Elbow 45° PE100
d50-225mm / SDR17

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	z (mm)
50	40	10	IR	753 158 535	0.045	89.0	26	2.9	16
63	50	10	IR	753 158 536	0.091	102.0	29	3.6	18
75	65	10	IR	753 158 412	0.125	110.2	29	4.7	20
90	80	10	IR	753 158 413	0.198	129.1	34	5.6	23
110	100	10	IR	753 158 414	0.375	158.4	43	6.9	27
125	100	10	IR	753 158 540	0.542	179.1	48	7.1	31
140	125	10	IR	753 158 541	0.784	199.7	55	8.0	33
160	150	10	IR	753 158 542	1.190	227.3	60	9.1	40
200	200	10	IR	753 158 544	2.331	282.4	75	11.4	49
225	200	10	IR	753 158 545	3.282	318.5	85	12.8	55

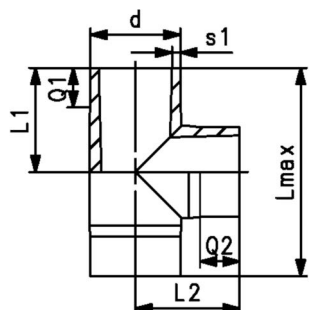


Tee 90° equal PE100

d20-500mm / SDR11

Model:

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



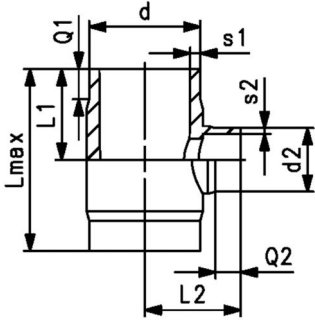
d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	L1/L2 (mm)	Lmax (mm)	Q1/Q2 (mm)	s1 (mm)
20	15	16	IR	753 208 606	0.013	38	76.0	17	1.9
25	20	16	IR	753 208 607	0.021	42	84.0	17	2.3
32	25	16	IR	753 208 608	0.042	46	92.0	17	2.9
40	32	16	IR	753 208 609	0.065	51	102.0	22	3.7
50	40	16	IR	753 208 610	0.111	58	116.0	22	4.6
63	50	16	IR	753 208 611	0.202	66	132.0	21	5.8
75	65	16	IR	753 208 612	0.312	75	150.0	20	6.8
90	80	16	IR	753 208 613	0.553	90	180.0	20	8.2
110	100	16	IR	753 208 614	1.002	110	220.0	20	10.0
125	100	16	IR	753 208 615	1.509	125	250.0	25	11.4
140	125	16	IR	753 208 616	2.105	140	280.0	28	12.7
160	150	16	IR	753 208 617	3.085	160	320.0	28	14.6
180	150	16	IR	753 208 618	5.740	214	428.0	94	16.4
200	200	16	IR	753 208 619	5.982	200	400.0	35	18.2
225	200	16	IR	753 208 620	8.090	220	440.0	35	20.5
250	250	16		753 208 621	10.770	225	450.0	68	22.7
280	250	16		753 208 622	15.950	265	530.0	87	25.4
315	300	16		753 208 623	21.285	285	570.0	88	28.6
355	350	16		753 208 624	32.600	345	690.0	105	32.3
400	400	16		753 208 625	42.900	365	730.0	105	36.4
450	450	16		753 208 626	63.300	425	850.0	135	40.9
500	500	16		753 208 627	86.000	470	940.0	155	45.5

Tee 90° reduced PE100

d63-250mm / SDR11

Model:

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



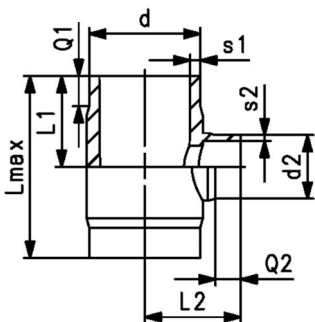
d (mm)	d2 (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	L1 (mm)	L2 (mm)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
63	32	50	16	IR	753 208 351	0.161	65	70	130.0	25	25	5.8	2,9
63	50	50	16	IR	753 208 352	0.180	65	70	130.0	25	25	5.8	4,6
75	32	65	16	IR	753 208 353	0.255	70	75	140.0	25	25	6.8	2,9
75	50	65	16	IR	753 208 354	0.265	70	75	140.0	25	25	6.8	4,6
75	63	65	16	IR	753 208 355	0.278	70	75	140.0	25	25	6.8	5,8
90	50	80	16	IR	753 208 357	0.435	80	85	160.0	25	25	8.2	4,6
90	63	80	16	IR	753 208 358	0.448	80	85	160.0	25	25	8.2	5,8
90	75	80	16	IR	753 208 359	0.462	80	85	160.0	25	25	8.2	6,8
110	32	100	16	IR	753 208 360	0.685	90	95	180.0	30	25	10.0	2,9
110	50	100	16	IR	753 208 361	0.694	90	95	180.0	30	25	10.0	4,6
110	63	100	16	IR	753 208 362	0.709	90	95	180.0	30	25	10.0	5,8
110	75	100	16	IR	753 208 363	0.717	90	95	180.0	30	25	10.0	6,8
110	90	100	16	IR	753 208 364	0.734	90	95	180.0	30	25	10.0	8,2
160	63	150	16	IR	753 208 371	2.269	142	135	284.0	50	30	14.6	5,8
160	75	150	16	IR	753 208 372	2.255	142	135	284.0	50	30	14.6	6,8
160	90	150	16	IR	753 208 373	2.317	142	135	284.0	50	30	14.6	8,2
160	110	150	16	IR	753 208 374	2.353	142	135	284.0	50	30	14.6	10,0
225	90	200	16	IR	753 208 388	4.759	155	165	310.0	40	30	20.5	8,2
225	110	200	16	IR	753 208 389	4.796	155	165	310.0	40	30	20.5	10,0
225	160	200	16	IR	753 208 391	4.854	155	165	310.0	40	30	20.5	14,6
250	110	250	16		753 221 031	8.120	228	197	456.0	140	37	22.7	10,0
250	160	250	16		753 221 032	9.700	229	219	458.0	117	60	22.7	14,6

Tee 90° reduced PE100

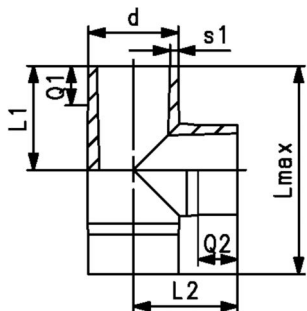
d63-225mm / SDR17

Model:

- Conventional butt-welding according to DVS 2207
- IR = Infrared-(IR Plus) compatible. Choose fusion parameters: PE100
- 5 bar Gas / 10 bar Water
- * Branch SDR11



DN (mm)	PN (bar)	FM	Code	Weight (kg)	L1 (mm)	L2 (mm)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)	
*	50	10	IR	753 208 301	0.163	65	70	130	25	25	3.6	2,9
	50	10	IR	753 208 302	0.171	65	70	130	25	25	3.6	2,9
*	65	10	IR	753 208 303	0.231	70	75	140	25	25	4.3	2,9
	65	10	IR	753 208 304	0.250	70	75	140	25	25	4.3	2,9
	65	10	IR	753 208 305	0.263	70	75	140	25	25	4.3	3,6
	80	10	IR	753 208 307	0.411	80	85	160	25	25	5.1	2,9
	80	10	IR	753 208 308	0.329	80	85	160	25	25	5.1	3,6
	80	10	IR	753 208 309	0.339	80	85	160	25	25	5.1	4,3
*	100	10	IR	753 208 310	0.643	90	95	180	30	25	6.3	2,9
	100	10	IR	753 208 311	0.655	90	95	180	30	25	6.3	2,9
	100	10	IR	753 208 312	0.516	90	95	180	30	25	6.3	3,6
	100	10	IR	753 208 313	0.521	90	95	180	30	25	6.3	4,3
	100	10	IR	753 208 314	0.529	90	95	180	30	25	6.3	5,1
	150	10	IR	753 208 321	2.103	142	135	284	50	30	9.1	3,6
	150	10	IR	753 208 322	2.142	142	135	284	50	30	9.1	4,3
	150	10	IR	753 208 323	1.668	142	135	284	50	30	9.1	5,1
	150	10	IR	753 208 324	1.687	142	135	284	50	30	9.1	6,3
	200	10	IR	753 208 338	3.439	155	165	310	40	30	12.8	5,1
	200	10	IR	753 208 339	3.448	155	165	310	40	30	12.8	6,3
	200	10	IR	753 208 341	3.471	155	165	310	40	30	12.8	9,1

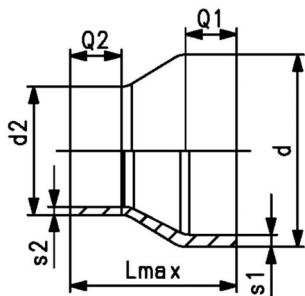


Tee 90° equal PE100
d50-500mm / SDR17/17.6

Model:

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

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	L1/L2 (mm)	Lmax (mm)	Q1/Q2 (mm)	s1 (mm)
50	40	10	IR	753 208 510	0.136	90	180	57	2.9
63	50	10	IR	753 208 511	0.187	107	214	64	3.6
75	65	10	IR	753 208 412	0.232	74	148	20	4.8
90	80	10	IR	753 208 413	0.408	90	180	20	5.6
110	100	10	IR	753 208 414	0.724	110	220	20	6.9
125	100	10	IR	753 208 515	1.169	125	250	52	7.1
140	125	10	IR	753 208 516	1.805	157	314	62	8.0
160	150	10	IR	753 208 517	2.375	160	320	57	9.1
180	150	10	IR	753 208 518	4.095	214	428	96	10.2
200	200	10	IR	753 208 519	5.145	220	440	93	11.4
225	200	10	IR	753 208 520	7.140	225	450	76	12.8
250	250	10		753 208 521	7.670	225	450	67	14.2
280	250	10		753 208 522	10.900	264	528	86	15.9
315	300	10		753 208 523	14.870	282	564	87	17.9
355	350	10		753 208 524	21.800	345	690	105	21.1
400	400	10		753 208 525	28.600	365	730	105	23.7
450	450	10		753 208 526	42.400	425	850	135	26.7
500	500	10		753 208 527	57.600	470	940	135	29.7

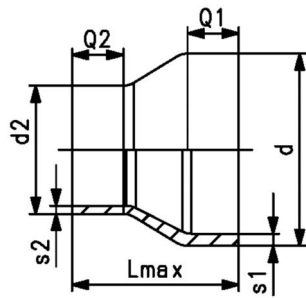


Reducer PE100
d25-710mm / SDR11

Model:

- Conventional butt-welding according to DVS 2207
- IR = Infrared-(IR Plus) compatible. Choose fusion parameters: PE100
- * Up to d315 injection moulded, above machined

d (mm)	d2 (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
25	20	20	16	IR	753 908 637	0.008	50	20	18	2.3	1.9
32	20	25	16	IR	753 908 642	0.010	50	20	18	2.9	1.9
32	25	25	16	IR	753 908 641	0.006	50	20	18	2.9	2.3
40	20	32	16	IR	753 908 648	0.017	58	20	20	3.7	1.9
40	25	32	16	IR	753 908 647	0.017	55	20	18	3.7	2.3
40	32	32	16	IR	753 908 646	0.019	55	20	18	3.7	2.9
50	25	40	16	IR	753 908 654	0.025	60	20	18	4.6	2.3
50	32	40	16	IR	753 908 653	0.026	60	20	18	4.6	2.9
50	40	40	16	IR	753 908 652	0.032	60	20	18	4.6	3.7
63	32	50	16	IR	753 908 660	0.046	65	20	18	5.8	2.9
63	40	50	16	IR	753 908 659	0.051	65	20	18	5.8	3.7
63	50	50	16	IR	753 908 658	0.056	65	20	18	5.8	4.6
75	40	65	16	IR	753 908 666	0.070	68	20	20	6.8	3.7
75	50	65	16	IR	753 908 665	0.074	65	20	18	6.8	4.6
75	63	65	16	IR	753 908 664	0.081	65	20	18	6.8	5.8
90	63	80	16	IR	753 908 671	0.125	75	21	17	8.2	5.8
90	75	80	16	IR	753 908 670	0.132	75	22	17	8.2	6.8
110	63	100	16	IR	753 908 672	0.219	90	28	28	10.6	6.2
110	75	100	16	IR	753 908 677	0.219	90	28	17	10.0	6.8
110	90	100	16	IR	753 908 676	0.240	90	28	20	10.0	8.2
125	110	100	16	IR	753 908 680	0.350	100	32	26	11.4	10.0
140	110	125	16	IR	753 908 685	0.437	110	35	28	12.7	10.0
140	125	125	16	IR	753 908 684	0.474	110	35	28	12.7	11.4
160	110	150	16	IR	753 908 690	0.612	120	40	25	14.6	10.0
160	140	150	16	IR	753 908 688	0.674	120	40	33	14.6	12.7



d	d2	DN	PN	FM	Code	Weight	Lmax	Q1	Q2	s1	s2
(mm)	(mm)	(mm)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
180	90	150	16	IR	753 908 149	0.925	145	50	40	16.4	8,2
180	110	150	16	IR	753 908 150	1.020	150	55	42	16.4	10,0
180	125	150	16	IR	753 908 151	1.020	143	52	40	16.4	11,4
180	140	150	16	IR	753 908 152	1.015	135	51	47	16.4	12,7
180	160	150	16	IR	753 908 153	1.140	135	55	52	16.4	14,6
200	160	200	16	IR	753 908 692	1.247	150	50	35	18.2	14,6
200	180	200	16	IR	753 908 158	1.475	145	62	54	18.2	16,4
225	110	200	16	IR	753 908 695	1.559	171	55	45	20.5	10,0
225	160	200	16	IR	753 908 696	1.590	160	55	37	20.5	14,6
225	180	200	16	IR	753 908 162	1.800	160	64	59	22.7	20,5
225	200	200	16	IR	753 908 697	1.844	160	55	48	20.5	18,2
250	160	250	16	IR	753 908 165	2.305	177	65	53	20.5	14,6
250	180	250	16		753 900 001	2.513	175	60	55	22.7	16,4
250	200	250	16		753 900 002	2.450	190	60	60	22.7	18,2
250	225	250	16		753 908 168	3.025	180	65	65	22.7	20,5
280	200	250	16		753 900 004	3.540	205	70	50	25.4	18,2
280	225	250	16		753 908 172	3.860	210	75	58	25.4	20,5
280	250	250	16		753 908 173	4.155	206	75	60	25.4	22,7
315	200	300	16		753 900 007	3.996	225	80	50	28.6	20,5
315	225	300	16		753 908 176	5.260	237	84	57	28.6	20,5
315	250	300	16		753 908 177	5.415	236	86	64	28.6	22,7
315	280	300	16		753 908 178	5.600	231	86	72	28.6	25,4
*	710	500			753 900 035	20.890	190	84	40	64.5	45,4
*	710	560			753 900 036	19.590	170	81	40	64.5	50,8
*	710	630			753 900 037	17.030	140	71	40	64.5	57,2

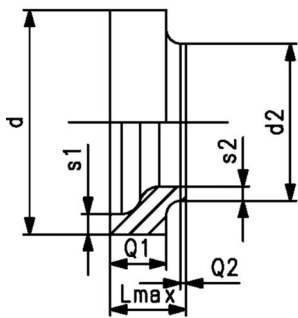


Flush style reducer PE100

d355-630mm / SDR11

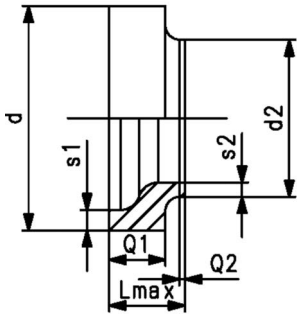
Model:

- Conventional butt-welding according to DVS 2207
- Clamping on welding machine needs to be done always on the bigger diameter (d1)
- The butt fusion machine must be suitable to weld both dimensions (d1 and d2)



d	d2	DN	PN	Code	Weight	Lmax	Q1	Q2	s1	s2
(mm)	(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
355	225	350	16	753 909 809	5.230	130	95	10.0	32.2	20.5
355	250	350	16	753 909 810	3.752	115	80	10.0	32.3	22.7
355	280	350	16	753 909 811	4.066	115	80	10.0	32.3	25.4
355	315	350	16	753 909 812	4.149	115	80	15.0	32.3	28.6
400	225	400	16	753 909 816	7.964	145	110	10.0	36.3	20.5
400	250	400	16	753 909 817	6.861	135	100	10.0	36.4	22.7
400	280	400	16	753 909 818	6.679	135	100	10.0	36.4	25.4
400	315	400	16	753 909 819	6.460	135	100	10.0	36.4	28.6
400	355	400	16	753 909 820	6.101	135	100	13.0	36.4	32.3
450	225	450	16	753 909 822	11.965	165	125	10.0	40.9	20.5
450	250	450	16	753 909 823	11.087	160	120	10.0	40.9	22.7
450	280	450	16	753 909 824	9.604	150	100	15.0	40.9	25.4
450	315	450	16	753 909 825	9.091	150	100	15.0	40.9	28.6
450	355	450	16	753 909 826	8.656	150	100	15.0	40.9	32.3
450	400	450	16	753 909 827	8.369	150	100	15.0	40.9	36.4
500	225	500	16	753 909 829	16.053	180	130	10.0	45.4	20.5
500	250	500	16	753 909 830	15.784	180	130	10.0	45.4	22.7
500	280	500	16	753 909 831	14.691	175	125	10.0	45.4	25.4
500	315	500	16	753 909 832	10.921	165	115	10.0	45.5	28.6
500	355	500	16	753 909 833	11.321	165	115	10.0	45.5	32.3
500	400	500	16	753 909 834	12.453	165	115	10.0	45.5	36.4
500	450	500	16	753 909 835	12.640	165	115	25.0	45.5	40.9
560	315	600	16	753 909 836	22.204	210	160	10.0	50.8	28.6
560	355	600	16	753 909 837	19.976	200	150	10.0	50.8	32.2
560	400	600	16	753 909 838	17.215	185	135	10.0	50.8	36.3
560	450	600	16	753 909 839	14.263	165	115	10.0	50.8	40.9

table continued on the next page



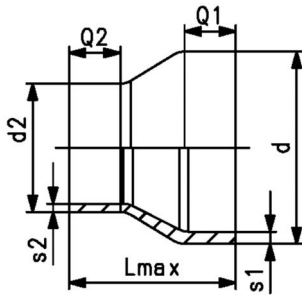
d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
560	500	600	16	753 909 840	13.955	165	115	10.0	50.8	45.4
630	315	600	16	753 909 841	29.984	220	170	10.0	57.2	28.6
630	355	600	16	753 909 842	29.376	220	170	10.0	57.2	32.2
630	400	600	16	753 909 843	26.541	210	160	10.0	57.2	36.3
630	450	600	16	753 909 844	23.034	195	145	10.0	57.2	40.9
630	500	600	16	753 909 845	19.243	175	125	10.0	57.2	45.4
630	560	600	16	753 909 846	17.438	165	115	20.0	57.2	50.8



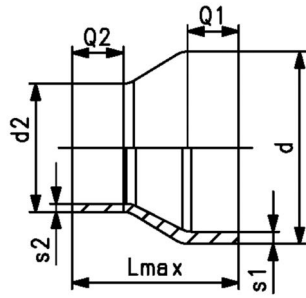
Reducer PE100
d50-1000mm / SDR17

Model:

- Material: PE100
- Conventional butt-welding according to DVS 2207
- IR = Infrared-(IR Plus) compatible. Choose fusion parameters: PE100
- * Up to d315 injection moulded, above machined



d (mm)	d2 (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
50	40	40	10	IR	753 908 713	0.037	134	56	52	2.9	2.3
63	50	50	10	IR	753 908 718	0.055	87	29	27	3.6	2.9
75	40	65	10	IR	753 908 904	0.041	71	19	12	4.3	2.3
75	50	65	10	IR	753 908 465	0.049	65	20	20	4.3	2.9
75	63	65	10	IR	753 908 464	0.056	65	20	20	4.3	3.6
90	63	80	10	IR	753 908 471	0.083	75	20	19	5.1	3.6
90	75	80	10	IR	753 908 470	0.092	75	20	20	5.1	4.3
110	63	100	10	IR	753 908 472	0.157	90	28	28	6.9	4.0
110	75	100	10	IR	753 908 477	0.157	89	28	18	6.3	4.3
110	90	100	10	IR	753 908 476	0.164	90	28	20	6.3	5.1
125	110	100	10	IR	753 908 738	0.275	100	40	40	7.1	6.3
140	110	125	10	IR	753 908 742	0.375	120	53	43	8.0	6.3
140	125	125	10	IR	753 908 743	0.395	124	54	43	8.0	7.1
160	110	150	10	IR	753 908 746	0.460	129	40	34	9.1	6.3
160	140	150	10	IR	753 908 748	0.525	125	49	38	9.1	8.0
180	90	150	10	IR	753 908 749	0.650	145	53	42	10.2	5.1
180	110	150	10	IR	753 908 750	0.680	150	55	42	10.2	6.3
180	125	150	10	IR	753 908 751	0.705	143	52	40	10.2	7.1
180	140	150	10	IR	753 908 752	0.670	135	51	47	10.2	8.0
180	160	150	10	IR	753 908 753	0.750	135	55	52	10.2	9.1
200	160	200	10	IR	753 908 931	0.860	145	50	40	11.4	9.1
200	180	200	10	IR	753 908 758	0.955	145	62	54	11.4	10.2
225	110	200	10	IR	753 908 938	1.382	160	55	35	12.8	6.3
225	160	200	10	IR	753 908 933	1.120	160	55	40	12.8	9.1
225	180	200	10	IR	753 908 762	1.215	166	64	57	12.8	10.2
225	200	200	10	IR	753 908 932	1.234	171	55	50	12.8	11.4
250	160	250	10		753 908 765	1.620	174	64	52	14.2	9.1
250	180	250	10		753 902 801	1.690	175	60	55	14.8	10.7
250	200	250	10		753 902 802	1.899	190	60	60	14.8	11.9
250	225	250	10		753 908 768	1.990	180	65	65	14.2	12.8
280	200	250	10		753 902 804	2.585	205	70	50	16.6	11.9
280	225	250	10		753 908 772	2.505	200	70	55	15.9	12.8
280	250	250	10		753 908 773	2.655	200	73	62	15.9	14.2
315	200	300	10		753 902 807	2.907	225	80	50	18.7	11.9
315	225	300	10		753 908 776	3.560	237	84	59	17.9	12.8
315	250	300	10		753 908 777	3.695	234	88	64	17.9	14.2
315	280	300	10		753 908 778	3.940	227	85	72	17.9	15.9
*	710	500	700	10	753 902 835	16.750	190	84	40	42.1	29.7
*	710	560	700	10	753 902 836	15.014	170	81	40	42.1	33.2
*	710	630	700	10	753 902 837	12.215	140	71	40	42.1	37.4



	d (mm)	d2 (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
*	800	560	800	10		753 902 838	22.731	200	85	40	47.4	33,2
*	800	630	800	10		753 902 839	20.475	180	85	40	47.4	37,4
*	800	710	800	10		753 902 840	16.774	150	78	40	47.4	42,1
*	900	630	900	10		753 902 841	32.055	220	96	40	53.3	37,4
*	900	710	900	10		753 902 842	27.731	190	89	40	53.3	42,1
*	900	800	900	10		753 902 843	22.854	160	85	40	53.3	47,4
*	1000	800	1000	10		753 902 845	33.910	180	86	40	59.3	47,4
*	1000	710	1000	10		753 902 844	40.412	220	91	40	59.3	42,1
*	1000	900	1000	10		753 902 846	25.824	140	75	40	59.3	53,3

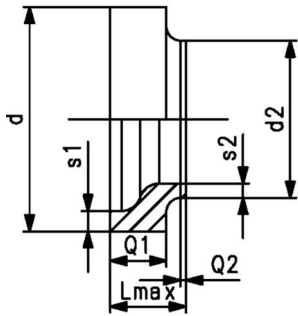


Flush style reducer PE100

d355-630mm / SDR17

Model:

- Conventional butt-welding according to DVS 2207
- Clamping on welding machine needs to be done always on the bigger diameter (d1)
- The butt fusion machine must be suitable to weld both dimensions (d1 and d2)



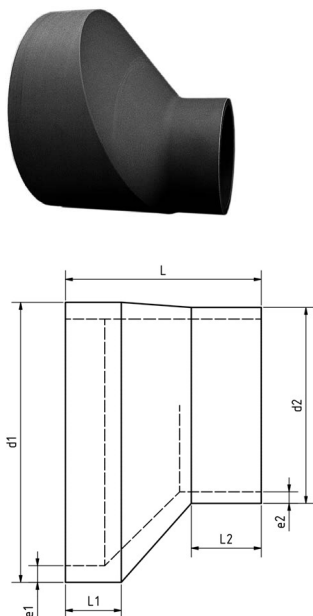
d (mm)	d2 (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	Q2 (mm)	s1 (mm)	s2 (mm)
355	225	350	10	753 909 859	3.922	120	85	10	21.1	13.4
355	250	350	10	753 909 860	3.318	115	80	10	21.1	14.8
355	280	350	10	753 909 861	3.134	115	80	10	21.1	16.6
355	315	350	10	753 909 862	2.716	115	80	15	21.1	18.7
400	225	400	10	753 909 866	6.299	135	100	10	23.7	13.4
400	250	400	10	753 909 867	5.754	135	100	10	23.7	14.8
400	280	400	10	753 909 868	5.468	135	100	10	23.7	16.6
400	315	400	10	753 909 869	5.125	135	100	10	23.7	18.7
400	355	400	10	753 909 870	4.614	135	100	13	23.7	21.1
450	225	450	10	753 909 872	9.323	150	110	10	26.7	13.4
450	250	450	10	753 909 873	9.000	150	110	10	27.7	14.8
450	280	450	10	753 909 874	8.066	150	110	15	26.7	16.6
450	315	450	10	753 909 875	7.354	150	110	15	26.7	18.7
450	355	450	10	753 909 876	6.724	150	110	15	26.7	21.1
450	400	450	10	753 909 877	6.238	150	110	15	26.7	23.7
500	225	500	10	753 909 879	12.120	165	115	10	29.7	13.4
500	250	500	10	753 909 880	11.834	165	115	10	29.7	14.8
500	280	500	10	753 909 881	11.459	165	115	10	29.7	16.6
500	315	500	10	753 909 882	10.502	165	115	10	29.7	18.7
500	355	500	10	753 909 883	10.154	165	115	10	29.7	21.1
500	400	500	10	753 909 884	8.642	165	115	10	29.7	23.7
500	450	500	10	753 909 885	7.978	165	115	25	29.7	26.7
560	315	600	10	753 909 886	19.966	210	160	10	33.2	18.7
560	355	600	10	753 909 887	17.764	200	150	10	33.2	21.1
560	400	600	10	753 909 888	15.168	185	135	10	33.2	23.7
560	450	600	10	753 909 889	11.650	165	115	10	33.2	26.7
560	500	600	10	753 909 890	10.623	165	115	20	33.2	29.7
630	315	600	10	753 909 891	27.625	220	170	10	37.4	18.7
630	355	600	10	753 909 892	26.454	220	170	10	37.4	21.1
630	400	600	10	753 909 893	23.648	210	160	10	37.4	23.7
630	450	600	10	753 909 894	19.957	195	145	10	37.4	26.7
630	500	600	10	753 909 895	15.910	175	125	10	37.4	29.7
630	560	600	10	753 909 896	13.272	165	115	20	37.4	33.2

Reducing Bushes excentric PE100 SDR

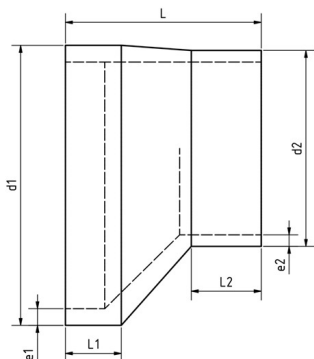
11

Model:

- Conventional butt fusion according to DVS2207
- Machined



d1 (mm)	d2 (mm)	PN (bar)	SDR	Code	SP	L (mm)	L1 (mm)	L2 (mm)	e1 (mm)	e2 (mm)
63	50	16	11	700 647 600	0	120	35	35	5,8	4,6
75	50	16	11	700 647 601	0	120	40	35	6,8	4,6
75	63	16	11	700 647 602	0	120	40	35	6,8	5,8
90	63	16	11	700 647 603	0	140	50	50	8,2	5,8
90	75	16	11	700 647 604	0	140	50	50	8,2	6,8
110	75	16	11	700 647 605	0	140	50	50	10	6,8
110	90	16	11	700 647 606	0	140	50	50	10	8,2
125	90	16	11	700 647 607	0	140	50	50	11,4	5,1
125	110	16	11	700 647 608	0	140	50	50	11,4	10
140	90	16	11	700 647 609	0	140	50	50	12,7	8,2
140	110	16	11	700 647 610	0	140	50	50	12,7	10
160	90	16	11	700 647 611	0	140	50	54	14,6	8,2
160	110	16	11	700 647 612	0	120	40	45	14,6	10
160	125	16	11	700 647 613	0	110	40	44	14,6	11,4
160	140	16	11	700 647 614	0	90	40	33	14,6	12,7
180	125	16	11	700 647 615	0	130	40	52	16,4	11,4
180	140	16	11	700 647 616	0	110	40	41	16,4	12,7
180	160	16	11	700 647 617	0	90	40	33	16,4	16,4
200	140	16	11	700 647 618	0	140	40	50	18,2	12,7
200	160	16	11	700 647 619	0	120	40	41	18,2	14,6
200	180	16	11	700 647 620	0	100	40	43	18,2	16,4
225	160	16	11	700 647 621	0	140	40	57	20,5	14,6
225	180	16	11	700 647 622	0	120	40	48	20,5	16,4
225	200	16	11	700 647 623	0	100	40	40	20,5	18,2
250	180	16	11	700 647 624	0	150	40	54	22,7	16,4
250	200	16	11	700 647 625	0	130	40	55	22,7	18,2
250	225	16	11	700 647 626	0	110	40	40	22,7	20,5
280	200	16	11	700 647 627	0	160	40	58	25,4	18,2
280	225	16	11	700 647 628	0	130	40	52	25,4	20,5
280	250	16	11	700 647 629	0	110	40	47	25,4	22,7
315	225	16	11	700 647 630	0	160	40	62	28,6	20,5
315	250	16	11	700 647 631	0	140	40	57	28,6	22,7
315	280	16	11	700 647 632	0	120	40	54	28,6	25,4
355	250	16	11	700 647 633	0	180	40	74	32,2	22,7
355	280	16	11	700 647 634	0	150	40	61	32,2	25,4
355	315	16	11	700 647 635	0	120	40	51	32,2	28,6
400	280	16	11	700 647 636	0	200	40	85	36,3	25,4
400	315	16	11	700 647 637	0	170	40	75	36,3	28,6
400	355	16	11	700 647 638	0	130	40	58	36,3	32,2
450	315	16	11	700 647 639	0	210	40	86	40,9	28,6
450	355	16	11	700 647 640	0	180	40	79	40,9	32,2
450	400	16	11	700 647 641	0	140	40	65	40,9	36,3
500	315	16	11	700 647 642	0	260	40	107	45,4	28,6
500	355	16	11	700 647 643	0	220	40	91	45,4	32,2
500	400	16	11	700 647 644	0	190	40	86	45,4	36,3
500	450	16	11	700 647 645	0	140	40	65	45,4	40,9
560	450	16	11	700 647 646	0	200	40	91	50,8	40,9
560	500	16	11	700 647 647	0	150	40	70	50,8	45,4
630	500	16	11	700 647 648	0	220	40	99	57,2	45,4
630	560	16	11	700 647 649	0	170	40	84	57,2	50,8



Reducing Bushes excentric PE100 SDR

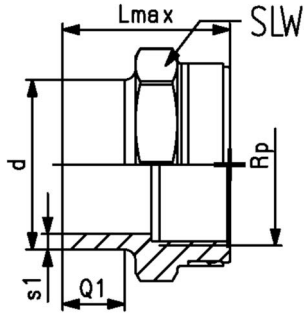
17.6

Model:

- Machined
- Conventional butt fusion according to DVS2207

d1 (mm)	d2 (mm)	PN (bar)	SDR	Code	L (mm)	L1 (mm)	L2 (mm)	e1 (mm)	e2 (mm)
63	50	10	17.6	700 647 650	120	35	35	3,6	2,9
75	50	10	17.6	700 647 651	120	40	35	4,3	2,9
75	63	10	17.6	700 647 652	120	40	35	4,3	3,6
90	63	10	17.6	700 647 653	140	50	50	5,1	3,6
90	75	10	17.6	700 647 654	140	50	50	5,1	4,3
110	75	10	17.6	700 647 655	140	50	50	6,3	4,3
110	90	10	17.6	700 647 656	140	50	50	6,3	5,1
125	90	10	17.6	700 647 657	140	50	50	7,1	5,1
125	110	10	17.6	700 647 658	140	50	50	7,1	6,3
140	90	10	17.6	700 647 659	140	50	50	8,0	5,1
140	110	10	17.6	700 647 660	140	50	50	8,0	6,3
160	90	10	17.6	700 647 661	140	50	54	9,5	5,4
160	110	10	17.6	700 647 662	120	40	45	9,5	6,6
160	125	10	17.6	700 647 663	110	40	44	9,5	7,4
160	140	10	17.6	700 647 664	90	40	33	9,5	8,3
180	125	10	17.6	700 647 665	130	40	52	10,7	7,4
180	140	10	17.6	700 647 666	110	40	41	10,7	8,3
180	160	10	17.6	700 647 667	90	40	33	10,7	9,5
200	140	10	17.6	700 647 668	140	40	50	11,9	8,3
200	160	10	17.6	700 647 669	120	40	41	11,9	9,5
200	180	10	17.6	700 647 670	100	40	43	11,9	10,7
225	160	10	17.6	700 647 671	140	40	57	13,4	9,5
225	180	10	17.6	700 647 672	120	40	48	13,4	10,7
225	200	10	17.6	700 647 673	100	40	40	13,4	11,9
250	180	10	17.6	700 647 674	150	40	54	14,8	10,7
250	200	10	17.6	700 647 675	130	40	55	14,8	11,9
250	225	10	17.6	700 647 676	110	40	40	14,8	13,4
280	200	10	17.6	700 647 677	160	40	58	16,6	11,9
280	225	10	17.6	700 647 678	130	40	52	16,6	13,4
280	250	10	17.6	700 647 679	110	40	47	16,6	14,8
315	225	10	17.6	700 647 680	160	40	62	18,7	13,4
315	250	10	17.6	700 647 681	140	40	57	18,7	14,8
315	280	10	17.6	700 647 682	120	40	54	18,7	16,6
355	250	10	17.6	700 647 683	180	40	74	21,1	14,8
355	280	10	17.6	700 647 684	150	40	61	21,1	16,6
355	315	10	17.6	700 647 685	120	40	51	21,1	18,7
400	280	10	17.6	700 647 686	200	40	85	23,7	16,6
400	315	10	17.6	700 647 687	170	40	75	23,7	18,7
400	355	10	17.6	700 647 688	130	40	58	23,7	21,1
450	315	10	17.6	700 647 689	210	40	86	26,7	18,7
450	355	10	17.6	700 647 690	180	40	79	26,7	21,1
450	400	10	17.6	700 647 691	140	40	65	26,7	23,7
500	315	10	17.6	700 647 692	260	40	107	29,7	18,7
500	355	10	17.6	700 647 693	220	40	91	29,7	21,1
500	400	10	17.6	700 647 694	190	40	86	29,7	23,7
500	450	10	17.6	700 647 695	140	40	65	29,7	26,7
560	450	10	17.6	700 647 696	200	40	91	33,2	26,7
560	500	10	17.6	700 647 697	150	40	70	33,2	29,7
630	500	10	17.6	700 647 698	220	40	99	37,4	29,7
630	560	10	17.6	700 647 699	170	40	84	37,4	33,2

adaptor fittings for butt fusion



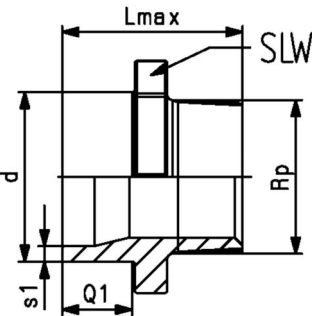
Adaptor socket PE100

d20-63mm / SDR11 / Female thread Rp

Model:

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

d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	SLW (mm)
20	Rp	½	15	16	IR	753 910 266	0.018	49	23	1.9	32
25	Rp	¾	20	16	IR	753 910 267	0.022	51	23	2.3	36
32	Rp	1	25	16	IR	753 910 268	0.038	55	23	3.0	46
40	Rp	1 ¼	32	16	IR	753 910 269	0.068	57	23	3.7	55
50	Rp	1 ½	40	16	IR	753 910 270	0.083	60	23	4.6	64
63	Rp	2	50	16	IR	753 910 271	0.134	62	23	5.8	80



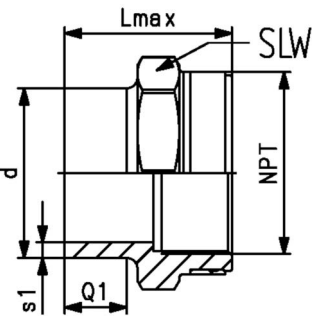
Adaptor nipple PE100

d20-63mm / SDR11 / Male thread R

Model:

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

d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	SLW (mm)
20	R	½	15	16	IR	753 910 556	0.013	51	23	1.9	32
25	R	¾	20	16	IR	753 910 557	0.026	52	23	2.3	36
32	R	1	25	16	IR	753 910 558	0.028	55	23	3.0	46
40	R	1 ¼	32	16	IR	753 910 559	0.043	58	23	3.7	55
50	R	1 ½	40	16	IR	753 910 560	0.063	60	23	4.6	65
63	R	2	50	16	IR	753 910 561	0.104	67	26	5.8	80



Adaptor socket PE100 NPT

d20-63mm / SDR11

Model:

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

d (mm)	Thread Type	Size (inch)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	Lmax (mm)	Q1 (mm)	s1 (mm)	SLW (mm)
20	NPT	½	15	16	IR	753 914 266	0.018	48	23	1.9	32
25	NPT	¾	20	16	IR	753 914 267	0.022	50	23	2.3	36
32	NPT	1	25	16	IR	753 914 268	0.038	54	23	2.9	46
40	NPT	1 ¼	32	16	IR	753 914 269	0.058	56	23	3.7	55
50	NPT	1 ½	40	16	IR	753 914 270	0.083	60	23	4.6	65
63	NPT	2	50	16	IR	753 914 271	0.134	62	23	5.8	80

Flanged Connections

Flange adaptors long end

Flange adaptor PE100

d20-800mm / SDR11 / Long version / Combined jointing face: flat and serrated

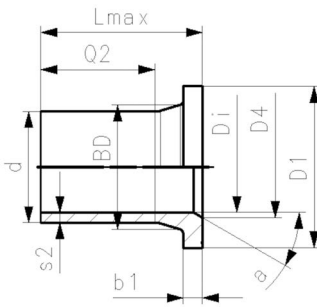
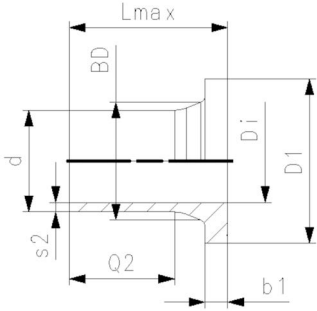
Model:

- For IR, butt and electrofusion welding according to DVS 2207
- Type A: without chamfer
- Type B: with chamfer
- Type 567/578 suitable for plastic butterfly valves up to DN300
- Type 565 for DN 300, the special flange adapter ** SDR11 is required
- Type 038/039/044/065 for metal butterfly valves up to DN250 suitable
- Type 038/039/044/065 for metal butterfly valves DN 300; the special flange adapter ** SDR11 is required
- For Butterfly Valves above DN 350, the adapters for BV SDR11 are required
- For third-party products, please check the Insertion depth of the disc dimension
- Profile seal: d20-d800 NBR, EPDM, FKM
- Flat gasket: d20-d315 EPDM, FKM
- Pressure rating: 5 bar gas / 10 bar water
- Please refer to the Online Tool: Perfect Flange Connection - GF Piping Systems (gfps.com)

* For electrofusion welding, according to DVS 2207 and EN 1555

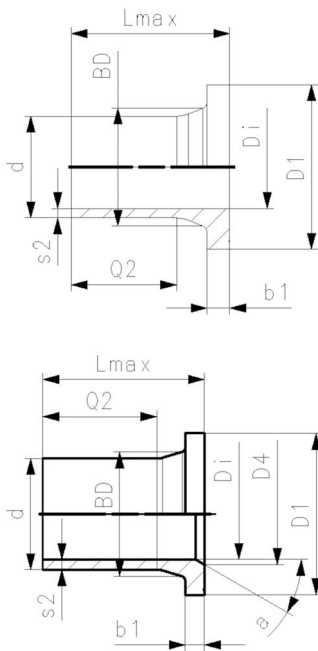
** FM 1613 approved - PN 15

*** Machined



	d	Di	Type	DN	Code	Weight	Lmax	D1	D4	Q2	s2	b1	BD
	(mm)	(mm)		(mm)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
	20	16	A	15	753 800 006	0.022	85.0	45		41.0	1.9	7	27
*	20	16	A	15	753 800 031	0.060	85.0	45		41.0	3.0	7	27
	25	20	A	20	753 800 007	0.037	90.5	58		62.0	2.3	9	33
*	25	20	A	20	753 800 032	0.041	90.5	58		62.0	3.0	9	33
	32	26	A	25	753 800 008	0.056	91.5	68		61.0	3.0	10	40
	40	32	A	32	753 800 009	0.081	94.5	78		61.5	3.7	11	50
	50	40	A	40	753 800 010	0.119	90.0	88		62.0	4.6	12	61
	63	51	A	50	753 800 011	0.187	98.0	102		69.0	5.8	14	75
	75	61	B	65	753 800 012	0.314	125.0	122	66	89.0	6.8	16	89
**	90	73	B	80	753 800 013	0.471	140.0	138	78	103.0	8.2	17	105
**	110	90	B	100	753 800 014	0.718	160.0	158	100	114.0	10.0	18	125
**	125	102	B	100	753 800 015	0.883	170.0	158	114	125.0	11.4	25	132
**	140	114	B	125	753 800 016	1.348	200.0	188	127	147.0	12.7	25	155
**	160	130	B	150	753 800 017	1.718	200.0	212	151	147.0	14.6	25	175
**	180	147	B	150	753 800 018	2.035	200.0	212	158	170.0	16.4	30	183
**	200	163	B	200	753 800 019	2.899	200.0	268	203	128.0	18.2	32	232
**	225	184	B	200	753 800 020	3.208	200.0	268	210	138.0	20.5	32	235
**	250	202	B	250	753 800 021	4.800	220.0	320	252	129.0	22.7	35	285
**	280	229	B	250	753 800 022	4.925	231.0	320	265	150.0	25.4	35	291
**	315	257	B	300	753 800 023	7.135	239.0	370	300	162.0	28.6	35	335
**	355	284	B	350	753 800 224	10.400	267.0	430	342	170.0	32.0	40	373
**	400	320	B	400	753 800 225	14.500	292.0	482	387	185.0	36.0	46	427
**	450	360	B	500	753 800 226	23.700	330.0	585	400	205.0	41.0	60	514
**	500	400	B	500	753 800 227	27.100	351.0	585	442	220.0	46.0	60	530
	560	458	B	600	753 800 228	39.260	370.0	685	490	240.0	50.9	60	616
	630	515	B	600	753 800 229	44.260	390.0	685	545	260.0	57.0	60	644
***	710	581	A	700	753 800 030	56.400	400.0	800		280.0	64.5	60	737
***	800	652	A	800	753 800 033	72.700	400.0	905		280.0	74.0	65	840

Flange adaptors short end



Flange adaptor PE100

d20-800mm / SDR11 / short spigot / combined jointing face: flat and serrated

Model:

- For IR, buttfusion welding according to DVS 2207
- Type A: without chamfer
- Type B: with chamfer
- Type 567/578 suitable for plastic butterfly valves up to DN300
- Type 565 for DN 300, the special flange adapter ** SDR11 is required
- Type 038/039/044/065 for metal butterfly valves up to DN250 suitable
- Type 038/039/044/065 for metal butterfly valves DN 300; the special flange adapter ** SDR11 is required
- For Butterfly Valves above DN 350, the adapters for BV SDR11 are required
- For third-party products, please check the Insertion depth of the disc dimension
- Profile seal: d20-d630 NBR, EPDM, FKM
- Flat gasket: d20-d315 EPDM, FKM
- Pressure rating: 10 bar gas / 16 bar water
- Please refer to the Online Tool: Perfect Flange Connection - GF Piping Systems (gfps.com)

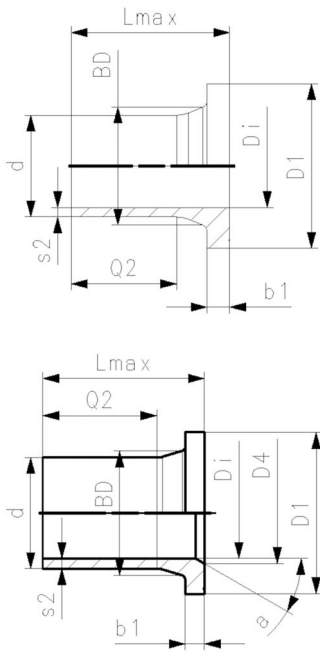
* Machined

** Special Flange Adaptor DN 300 for Butterfly Valve 565/038/039/044/065

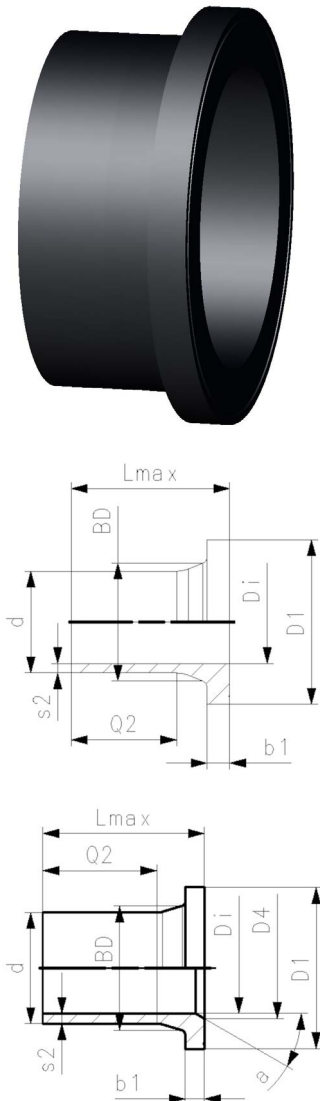
d (mm)	Di (mm)	Type	DN (mm)	PN (bar)	Code	Weight (kg)	
20	16	A	15	16	753 798 306	0.016	
25	20	A	20	16	753 798 307	0.034	
32	26	A	25	16	753 798 308	0.046	
40	32	A	32	16	753 798 309	0.067	
50	40	A	40	16	753 798 310	0.098	
63	49	A	50	16	753 798 311	0.157	
75	58	B	65	16	753 798 312	0.258	
90	70	B	80	16	753 798 313	0.347	
110	87	B	100	16	753 798 314	0.471	
125	99	B	100	16	753 798 315	0.517	
140	111	B	125	16	753 798 316	0.780	
160	127	B	150	16	753 798 317	0.973	
180	148	B	150	16	753 798 318	1.077	
200	174	B	200	16	753 798 319	1.734	
225	196	B	200	16	753 798 320	1.772	
250	203	B	250	16	753 798 321	16.091	
280	228	B	250	16	753 798 322	3.760	
315	256	B	300	16	753 798 323	4.925	
**	315	256	B	300	16	753 798 303	4.925
355	284	B	350	16	753 798 324	7.000	
400	320	B	400	16	753 798 325	9.500	
450	360	B	500	16	753 798 326	18.200	
500	400	B	500	16	753 798 327	18.700	
560	458	B	600	16	753 798 833	19.354	
*	630	516	B	600	16	753 798 834	17.166

d (mm)	Lmax (mm)	D1 (mm)	D4 (mm)	Q2 (mm)	s2 (mm)	b1 (mm)	BD (mm)	a (mm)
20	50	45		29	1.9	7	26	
25	52	58		27	2.3	9	32	
32	54	68		28	2.9	10	40	
40	55	78		25	3.7	11	49	
50	62	88		32	4.6	12	60	
63	68	102		38	5.8	14	75	
75	80	122	66	43	6.8	16	89	30
90	80	138	78	42	8.2	17	105	30
110	80	158	100	41	10.0	18	125	30
125	82	158	114	35	11.4	25	132	25
140	89	188	127	42	12.7	25	155	27
160	92	212	151	40	14.6	25	175	30
180	92	212	154	40	16.4	30	180	30

table continued on the next page



	d	Lmax	D1	D4	Q2	s2	b1	BD	a
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
	200	100	268	203	35	18.2	32	232	30
	225	100	268	210	35	20.5	32	235	30
	250	120	320	252	45	22.7	35	285	25
	280	120	320	265	45	25.4	37	291	30
	315	150	370	290	50	28.6	50	335	22
**	315	150	370	300	50	28.6	50	335	30
	355	162	430	342	70	32.2	40	373	45
	400	172	482	387	70	36.3	46	427	45
	450	225	585	400	105	40.9	60	514	15
	500	231	585	442	105	45.4	60	530	15
	560	141	684	490	20	50.8	60	615	30
*	630	135	684	545	40	57.2	60	642	30



Flange adaptor PE100

d50-1000mm / SDR17/17.6 / short spigot / combined jointing face: flat and serrated

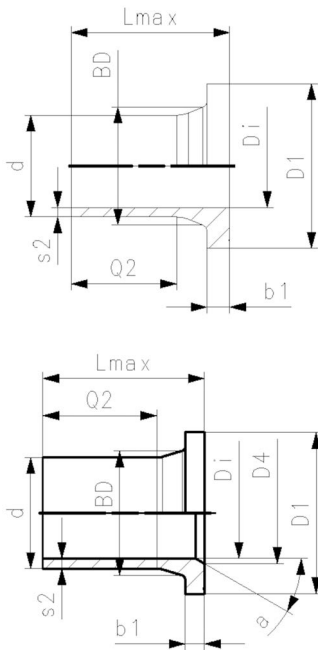
Model:

- For IR, buttfusion welding according to DVS 2207
- Type A: without chamfer
- Type B: with chamfer
- Type 567/578 suitable for plastic butterfly valves up to DN300
- Type 565 for DN 300, the special flange adaptor ** SDR17 is required
- Type 038/039/044/065 for metal butterfly valves up to DN250 suitable
- Type 038/039/044/065 for metal butterfly valves DN 300; the special flange adaptor ** SDR17 is required
- For Butterfly Valves above DN 450, the adapters for BV SDR17 are required
- For third-party products, please check the Insertion depth of the disc dimension
- Profile seal d50-d1000: NBR, EPDM, FKM
- Flat gasket d50-d315: EPDM, FKM
- Pressure rating: 5 bar gas / 10 bar water
- Please refer to the Online Tool: Perfect Flange Connection - GF Piping Systems (gfps.com)

* Machined

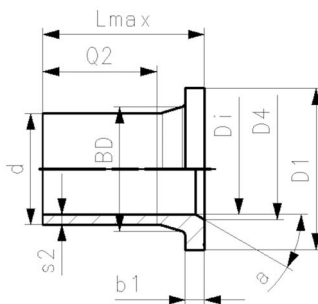
** Special Flange Adaptor DN 300 for Butterfly Valve 565/038/039/044/065

	d	Di	Type	DN	PN	Code	Weight
	(mm)	(mm)		(mm)	(bar)		(kg)
	50	44	A	40	10	753 798 210	0.093
	63	55	A	50	10	753 798 211	0.118
	75	63	A	65	10	753 798 212	0.220
	90	76	A	80	10	753 798 213	0.291
	110	94	A	100	10	753 798 214	0.389
	125	110	B	100	10	753 798 215	0.421
	140	123	B	125	10	753 798 216	0.648
	160	138	B	150	10	753 798 217	0.703
	180	158	A	150	10	753 798 218	0.739
	200	174	B	200	10	753 798 219	1.331
	225	196	B	200	10	753 798 220	1.304
	250	221	B	250	10	753 798 221	2.272
	280	247	B	250	10	753 798 222	2.154
	315	278	B	300	10	753 798 223	3.819
**	315	278	B	300	10	753 798 203	3.819
	355	310	B	350	10	753 798 224	4.800
	400	350	B	400	10	753 798 225	6.400



d (mm)	Di (mm)	Type	DN (mm)	PN (bar)	Code	Weight (kg)
450	400	B	500	10	753 798 226	12.700
500	442	A	500	10	753 798 227	13.000
560	493	A	600	10	753 798 858	14.875
630	555	A	600	10	753 798 859	12.515

d (mm)	Lmax (mm)	D1 (mm)	D4 (mm)	Q2 (mm)	s2 (mm)	b1 (mm)	BD (mm)	a (mm)
50	62	88		32	2.9	12	60	
63	68	102		38	3.8	14	75	
75	80	122		43	4.5	16	89	
90	80	138		42	5.4	17	105	
110	80	158		42	6.6	18	125	
125	82	158	114	35	7.4	25	132	25
140	89	188	127	39	8.3	25	155	27
160	92	212	158	47	9.5	18	175	30
180	92	212		45	10.7	20	180	
200	100	268	203	42	11.9	24	232	30
225	100	268	210	42	13.4	24	235	30
250	120	320	252	45	14.8	25	285	25
280	120	320	265	45	16.6	35	291	30
315	150	370	290	50	18.7	50	335	21
**	315	150	370	300	18.7	50	335	30
355	155	430	351	70	21.1	33	373	21
400	162	482	395	70	23.7	36	427	21
450	211	585	400	105	26.7	46	514	4
500	217	585	446	105	29.7	46	530	2
560	185	685		65	33.2	50	615	
630	185	685		65	37.4	50	642	



adaptor for butterfly valves PE100

d355-800mm / SDR11 / jointing face: flat and metric

Model:

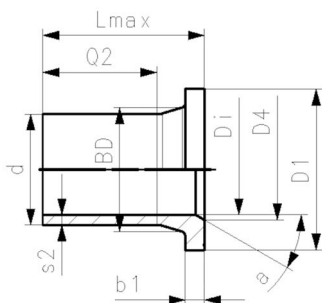
- For buttfusion welding according to DVS 2207
- Type B: with chamfer
- Suitable for plastic butterfly valves type **567/578/565**
- Suitable for metal butterfly valves type **038/039/044/065**
- Profile seal d355-d800: NBR, EPDM, FKM
- Pressure rating: 16 bar d355-d500
- Pressure rating: 10 bar d500-d800

Note:

*machined

d (mm)	Di (mm)	Type	DN (mm)	PN (bar)	Code	Weight (kg)
355	284	B	350	16	753 798 924	8.400
400	320	B	400	16	753 798 925	11.000
450	360	B	450	16	753 798 926	18.800
500	400	B	500	16	753 798 927	19.900
560	458	B	600	10	753 798 728	29.300
630	515	B	600	10	753 798 729	23.100

d (mm)	Lmax (mm)	D1 (mm)	D4 (mm)	Q2 (mm)	s2 (mm)	b1 (mm)	BD (mm)	a (mm)
355	187	430	350	70	33.9	65	373	25
400	196	482	400	70	38.2	70	427	25
450	272	533	450	105	43.0	107	467	23
500	261	585	498	105	47.8	90	530	25
560	282	685	610	60	50.8	147	615	21
630	210	685	610	60	57.2	132	642	21



adaptor for butterfly valves PE100

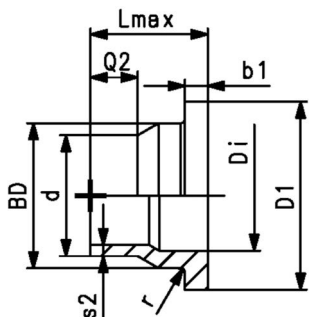
d450-1200mm / SDR17/17.6 / jointing face: flat and metric

Model:

- For buttfusion welding according to DVS 2207
- Type B: with chamfer
- Suitable for plastic butterfly valves type **567/578/565**
- Suitable for metal butterfly valves type **038/039/044/065**
- Pressure rating: 10 bar
- Machined

d (mm)	Di (mm)	Type	DN (mm)	PN (bar)	Code	Weight (kg)
450	397	B	450	10	753 798 951	10.700
500	440	B	500	10	753 798 952	12.100
560	493	B	600	10	753 798 753	17.300
630	555	B	600	10	753 798 754	12.200

d (mm)	Lmax (mm)	D1 (mm)	D4 (mm)	Q2 (mm)	s2 (mm)	b1 (mm)	BD (mm)	a (mm)
450	224	533	451	105	27.5	59	467	23
500	217	585	498	105	30.5	46	530	25
560	227	685	610	60	33.2	92	615	21
630	149	685	610	60	37.4	71	642	21



outlet flange adaptor PE100

d40-315mm / SDR11

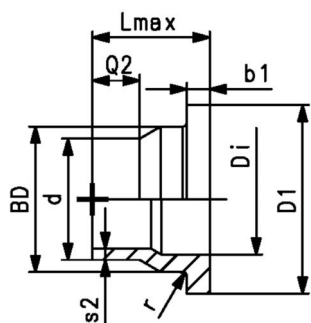
Model:

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

Attention:

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

d (mm)	Di (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	D1 (mm)	Q2 (mm)	s2 (mm)	r (mm)	b1 (mm)	BD (mm)
40	37	32	16	733 808 034	0.073	64	80	30	3.7	3	11	50
50	43	40	16	733 808 035	0.104	67	90	30	4.6	3	12	61
63	54	50	16	733 808 036	0.172	74	105	30	5.8	4	14	76
75	70	65	16	733 808 037	0.242	78	125	30	6.8	4	16	90
90	82	80	16	733 808 038	0.348	87	140	35	8.2	4	17	108
110	105	100	16	733 808 039	0.508	102	160	41	10.0	4	18	131
140	130	125	16	733 808 041	0.976	124	190	47	12.7	4	25	165
160	158	150	16	733 808 042	1.337	149	215	52	14.6	4	25	188
225	206	200	16	733 808 045	2.814	180	270	55	20.5	4	32	248
280	259	250	16	733 808 047	4.374	240	325	63	25.4	4	35	308
315	308	300	16	733 808 048	4.960	272	375	66	28.6	4	35	346



outlet flange adaptor PE100

d40-315mm / SDR17/17.6

Model:

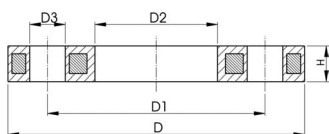
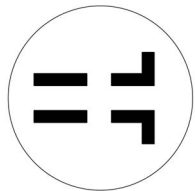
- Conventional butt-welding according to DVS 2207
- Suitable for wafer check valves Type 369

Attention:

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

d (mm)	Di (mm)	DN (mm)	PN (bar)	Code	Weight (kg)	Lmax (mm)	D1 (mm)	Q2 (mm)	s2 (mm)	r (mm)	b1 (mm)	BD (mm)
40	37	32	10	733 808 009	0.060	64	80	30	2.3	3	11	50
50	43	40	10	733 808 010	0.067	67	90	30	2.9	3	12	61
63	54	50	10	733 808 011	0.159	74	105	30	3.6	4	14	76
75	70	65	10	733 808 012	0.219	78	125	30	4.3	4	16	90
90	82	80	10	733 808 013	0.314	87	140	35	5.1	4	17	108
110	105	100	10	733 808 014	0.465	102	160	41	6.3	4	18	131
140	130	125	10	733 808 016	0.862	124	190	47	8.0	4	18	165
160	158	150	10	733 808 017	1.176	149	215	52	9.1	4	18	188
225	206	200	10	733 808 020	2.484	180	270	55	12.8	4	24	248
280	259	250	10	733 808 022	2.230	240	325	63	15.9	4	25	308
315	308	300	10	733 808 023	2.450	272	375	66	17.9	4	25	346

Flanges for butt fusion systems



Flanges PP-Steel

Model:

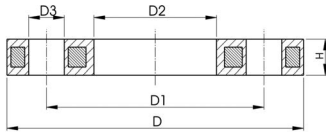
- Material: PP (30% glass-fibre reinforced) with steel ring
- Metric: ISO 7005, EN 1092, ISO 9624
- ASME: ANSI/ASME B 16.5 class 150, ASTM D4024, BS 1560, BS EN 1759
- Special flange adapter ANSI for d25 - d50 and d90 required

AL: number of holes

¹⁾ FM 1613 approved – 15 bar

²⁾ Profiled loose flange

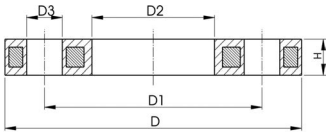
	d (mm)	DN (mm)	D (mm)	PN (bar)	Standard	Bolt / circle	Design	Code	Weight (kg)
	20	15	95	16	Metric	PN10	Butt/Socket	727 700 206	0.216
	20	15	95	16	ASME	class 150	Butt/Socket	727 701 206	0.213
	25	20	105	16	Metric	PN10	Butt/Socket	727 700 207	0.279
	25	20	105	16	ASME	class 150	Butt/Socket	727 701 207	0.260
	32	25	115	16	Metric	PN10	Butt/Socket	727 700 208	0.429
	32	25	115	16	ASME	class 150	Butt/Socket	727 701 208	0.416
	40	32	140	16	Metric	PN10	Butt/Socket	727 700 209	0.621
	40	32	140	16	ASME	class 150	Butt/Socket	727 701 209	0.730
	50	40	150	16	Metric	PN10	Butt/Socket	727 700 210	0.722
	50	40	150	16	ASME	class 150	Butt/Socket	727 701 210	0.809
	63	50	165	16	Metric	PN10	Butt/Socket	727 700 211	0.900
	63	50	165	16	ASME	class 150	Butt/Socket	727 701 211	0.866
	75	65	185	16	Metric	PN10	Butt/Socket	727 700 212	1.110
	75	65	185	16	ASME	class 150	Butt/Socket	727 701 212	1.117
1	90	80	200	16	Metric	PN10	Butt	724 700 313	1.390
	90	80	200	16	Metric	PN10	Socket	727 700 213	1.369
	90	80	200	16	Metric	PN10	Butt	727 700 313	1.390
	90	80	200	16	ASME	class 150	Socket	727 701 213	1.492
	90	80	200	16	ASME	class 150	Butt	727 701 313	1.499
1	110	100	223	16	Metric	PN10	Butt	724 700 314	1.407
	110	100	220	16	Metric	PN10	Socket	727 700 214	1.522
	110	100	220	16	Metric	PN10	Butt	727 700 314	1.407
	110	100	229	16	ASME	class 150	Socket	727 701 214	1.695
	110	100	229	16	ASME	class 150	Butt	727 701 314	1.739
1	125	100	223	16	Metric	PN10	Butt	724 700 315	1.408
	125	100	220	16	Metric	PN10	Butt	727 700 315	1.408
	125	125	250	16	Metric	PN10	Socket	727 700 815	2.475
1	140	125	250	16	Metric	PN10	Butt	724 700 316	2.318
	140	125	250	16	Metric	PN10	Butt	727 700 716	2.318
	140	125	250	16	Metric	PN10	Socket	727 700 816	2.033
1	160	150	285	16	Metric	PN10	Butt	724 700 317	3.491
	160	150	285	16	Metric/ASME	PN10/ class 150	Butt	727 700 717	3.491
	160	150	285	16	Metric/ASME	PN10/ class 150	Socket	727 700 817	3.167
1	180	150	285	16	Metric	PN10	Butt	724 700 318	3.108
	180	150	285	16	Metric/ASME	PN10/ Class 150	Butt	727 700 718	3.108
1, 2	200	200	344	16	Metric	PN16	Butt	724 700 319	3.549
	200	200	340	16	Metric/ASME	PN10/ class 150	Butt	727 700 719	5.600
	200	200	340	16	Metric/ASME	PN10/ class 150	Socket	727 700 819	6.143
1, 2	225	200	344	16	Metric	PN16	Butt	724 700 320	3.380
	225	200	340	16	Metric/ASME	PN10/ class 150	Butt	727 700 720	5.533
	225	200	340	16	Metric/ASME	PN10/ class 150	Socket	727 700 820	4.448
1, 2	250	250	410	16	Metric	PN16	Butt	724 700 321	6.390
	250	225	395	16	Metric	PN10	Socket	727 700 031	8.340
	250	250	406	10	ASME	class 150	Butt	727 701 321	6.000
	250	250	395	16	Metric	PN10	Butt	727 700 721	6.632
	250	250	395	16	Metric	PN10	Socket	727 700 821	7.179
1, 2	280	250	410	16	Metric	PN16	Butt	724 700 322	6.310
	280	250	395	16	Metric	PN10	Butt	727 700 722	6.573



	d (mm)	DN (mm)	D (mm)	PN (bar)	Standard	Bolt / circle	Design	Code	Weight (kg)
	280	250	395	16	Metric	PN10	Socket	727 700 822	5.547
1, 2	315	300	455	16	Metric	PN16	Butt	724 700 323	9.740
	315	300	445	16	Metric	PN10	Butt	727 700 723	7.903
	315	300	445	16	Metric	PN10	Socket	727 700 823	6.980
	315	300	483	10	ASME	class 150	Butt	727 701 322	11.800
1, 2	355	350	521	16	Metric	PN16	Butt	724 700 324	15.203
	355	350	515	16	Metric	PN10	Butt	727 700 724	14.587
	355	350	515	16	Metric	PN10	Socket	727 700 824	12.465
	355	350	540	10	ASME	class 150	Butt	727 701 323	17.900
1, 2	400	400	582	16	Metric	PN16	Butt	724 700 325	20.600
	400	400	574	16	Metric	PN10	Butt	727 700 725	20.034
	400	400	574	16	Metric	PN10	Socket	727 700 825	17.607
	400	400	597	10	ASME	class 150	Butt	727 701 324	24.500
1, 2	450	500	685	10	Metric	PN10	Butt	724 700 426	25.600
1, 2	500	500	685	10	Metric	PN10	Butt	724 700 427	21.061
2	560	600	796	10	Metric	PN10	Butt	724 700 428	35.000
2	630	600	800	10	Metric	PN10	Butt	724 700 429	28.500
2	710	700	912	6	Metric	PN10	Butt	724 700 430	25.500
2	800	800	1026	6	Metric	PN10	Butt	724 700 431	39.300
2	900	900	1129	6	Metric	PN10	Butt	724 700 432	48.500
	450	500	712	10	ASME	class 150	Butt	727 701 325	33.600

	d (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC
	20	65	28	14	12	4	M12
	20	60	28	16	12	4	M12
	25	75	34	14	12	4	M12
	25	70	34	16	12	4	M12
	32	85	42	14	16	4	M12
	32	79	42	16	16	4	M12
	40	100	51	18	16	4	M16
	40	89	51	16	16	4	M16
	50	110	62	18	20	4	M16
	50	98	62	16	18	4	M16
	63	125	78	18	20	4	M16
	63	121	78	19	18	4	M16
	75	145	92	18	20	4	M16
	75	140	92	19	18	4	M16
1	90	160	108	18	20	8	M16
	90	160	110	18	20	8	M16
	90	160	108	18	20	8	M16
	90	152	110	19	20	4	M16
	90	152	108	19	20	4	M16
1	110	180	128	18	20	8	M16
	110	180	133	18	20	8	M16
	110	180	128	18	20	8	M16
	110	190	133	19	20	8	M16
	110	190	128	19	20	8	M16
1	125	180	135	18	20	8	M16
	125	180	135	18	20	8	M16
	125	210	150	18	26	8	M16
1	140	210	158	18	24	8	M16
	140	210	158	18	24	8	M16
	140	210	167	18	26	8	M16
1	160	240	178	22	28	8	M20
	160	240	178	22	24	8	M20
	160	240	190	22	26	8	M20
1	180	240	188	22	28	8	M20
	180	240	188	22	24	8	M20
1, 2	200	295	235	22	31	12	M20
	200	295	235	22	27	8	M20
	200	295	226	22	29	8	M20
1, 2	225	295	238	22	31	12	M20

table continued on the next page



	d	D1	D2	D3	H max.	AL	SC
	(mm)	(mm)	(mm)	(mm)	(mm)		
	225	297	238	22	27	8	M20
	225	297	250	22	29	8	M20
1, 2	250	355	288	26	35	12	M24
	250	325	277	22	32	8	M20
	250	362	293	25	30	12	M24
	250	350	288	22	30	12	M20
	250	350	277	22	32	12	M20
1, 2	280	355	294	26	36	12	M24
	280	350	294	22	30	12	M20
	280	350	310	22	32	12	M20
1, 2	315	410	338	26	43	12	M24
	315	400	338	22	34	12	M20
	315	400	348	22	36	12	M20
	315	432	338	25	34	12	M24
1, 2	355	470	376	26	55	16	M24
	355	460	376	23	40	16	M20
	355	460	388	23	42	16	M20
	355	476	376	29	42	12	M27
1, 2	400	525	430	30	56	16	M27
	400	515	430	26	40	16	M24
	400	515	442	26	42	16	M24
	400	539	429	29	44	16	M27
1, 2	450	620	517	26	56	20	M24
1, 2	500	620	533	26	56	20	M24
2	560	725	618	30	68	20	M27
2	630	725	645	30	68	20	M27
2	710	840	740	30	49	24	M27
2	800	950	843	33	58	24	M30
2	900	1050	947	33	62	28	M30
	450	635	540	32	53	20	M30



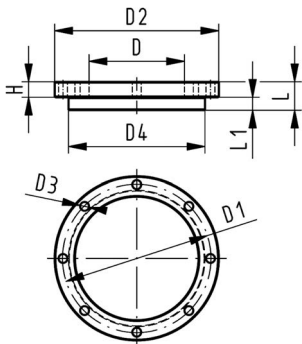
Blanking flange set PE100
Combined jointing face flat and serrated metric

Model:

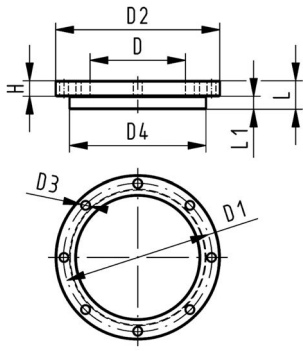
- d63 - d315: backing flange PP-V with end blank PE
- d355 - d630: backing flange PP/Steel with end blank PE
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 10**

AL: number of holes

L: length of the End Blank



d	DN	PN	Code	Weight	D	D1	D2	D3	D4	L	L1	H	AL	SC
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
63	50	16	753 700 611	0.560	75	125	165	18	102	30	14	24	4	M16
75	65	16	753 700 612	0.910	89	145	185	18	122	30	16	26	4	M16
90	80	16	753 700 613	0.921	105	160	200	18	138	30	17	27	8	M16
110	100	16	753 700 614	1.158	125	180	220	18	158	30	18	28	8	M16
125	100	16	753 700 615	1.678	132	180	220	18	158	35	25	28	8	M16
140	125	16	753 700 616	1.913	155	210	250	18	188	40	25	30	8	M16
160	150	16	753 700 617	2.373	175	240	285	22	212	40	25	32	8	M20
180	150	16	753 700 618	2.430	180	240	285	22	212	45	30	32	8	M20
200	200	16	753 700 619	3.495	232	295	340	22	268	50	32	34	8	M20
225	200	16	753 700 620	3.744	235	295	340	22	268	50	32	34	8	M20
250	250	16	753 700 621	6.051	285	350	395	22	320	55	35	38	12	M20
280	250	16	753 700 622	6.305	291	350	395	22	320	60	35	38	12	M20
315	300	16	753 700 623	8.894	335	400	445	22	370	65	35	42	12	M20
355	350	16	753 700 624	23.198	373	460	515	22	430	70	40	40	16	M20
400	400	16	753 700 625	30.766	427	515	574	26	482	75	46	40	16	M24



d	DN	PN	Code	Weight	D	D1	D2	D3	D4	L	L1	H	AL	SC
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
450	500	10	753 700 626	44.271	510	620	684	26	585	80	60	49	20	M24
500	500	10	753 700 627	47.165	530	620	684	26	585	90	60	49	20	M24
560	600	10	753 700 628	67.147	615	725	796	30	685	100	60	58	20	M27
630	600	10	753 700 629	68.574	642	725	796	30	685	110	60	68	20	M27



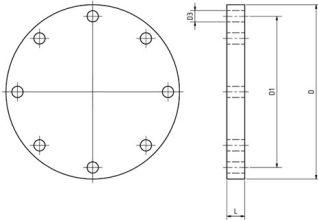
Blanking Flanges PE100
Bolt circle PN 10 PN 2.5 bar

Model:

- Made out of sheet material
- Bolt circle PN 10

Remark:

max. Druck 2,5 bar



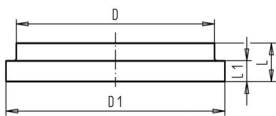
d	DN	PN	Code	SP	Weight	AL	D	L	D1	D3
(mm)	(mm)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
63	50	2.5	700 647 886	0	0.362	4	165	15	125	18
75	65	2.5	700 647 887	0	0.487	4	185	15	145	18
90	80	2.5	700 647 888		0.544	8	200	15	160	18
110	100	2.5	700 647 889	0	0.643	8	220	15	180	18
125	100	2.5	700 647 890		0.658	8	220	15	180	18
140	125	2.5	700 647 891	0	0.842	8	250	15	210	18
160	150	2.5	700 647 892	0	1.200	8	285	20	240	22
180	150	2.5	700 647 893	0	1.350	8	285	25	240	22
200	200	2.5	700 647 894		1.400	8	340	25	295	22
225	200	2.5	700 647 895	0	1.450	8	340	30	295	22
250	250	2.5	700 647 896	0	2.052	12	395	30	350	22
280	250	2.5	700 647 897	0	2.380	12	395	30	350	22
315	300	2.5	700 647 898	0	2.400	12	445	40	400	22
355	350	2.5	700 647 899	0	4.400	16	515	40	460	22
400	400	2.5	700 647 900	0	5.620	16	574	45	515	26
450	500	2.5	700 647 901	0	6.120	20	670	55	620	26
500	500	2.5	700 647 902	0	7.100	20	670	60	620	26
560	600	2.5	700 647 903	0	7.650	20	780	65	725	30
630	600	2.5	700 647 904	0	8.200	20	780	75	725	30



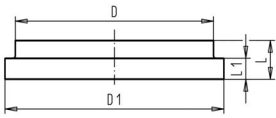
End blank PE100
For butt fusion systems metric

Model:

- Suitable for metric backing flanges



d	DN	PN	Code	Weight	D	D1	L	L1
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
63	50	16	753 960 611	0.154	75	102	30	14
75	65	16	753 960 612	0.268	89	122	30	16
90	80	16	753 960 613	0.363	105	138	30	17
110	100	16	753 960 614	0.490	125	158	30	18
125	100	16	753 960 615	0.478	132	158	35	25
140	125	16	753 960 616	0.713	155	188	40	25
160	150	16	753 960 617	1.196	175	212	40	25
180	150	16	753 960 618	1.030	180	212	45	30
200	200	16	753 960 619	1.795	232	268	50	32
225	200	16	753 960 620	2.044	235	268	50	32



d	DN	PN	Code	Weight	D	D1	L	L1
(mm)	(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)
250	250	16	753 960 621	3.158	285	320	55	35
280	250	16	753 960 622	4.157	291	320	60	35
315	300	16	753 960 623	5.249	335	370	65	35
355	350	16	753 960 624	7.698	373	430	70	40
400	400	16	753 960 625	12.185	427	482	75	46
450	500	10	753 960 626	19.619	510	585	80	60
500	500	10	753 960 627	22.130	530	585	90	60
560	600	10	753 960 628	31.447	615	685	100	60
630	600	10	753 960 629	36.074	642	685	110	60

Flange adaptors for socket fusion systems

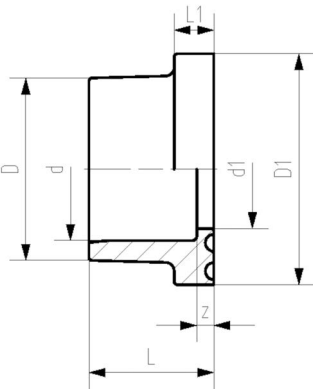


Flange adaptor PE100

d20-110mm / SDR17 / Jointing face flat/serrated

Model:

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

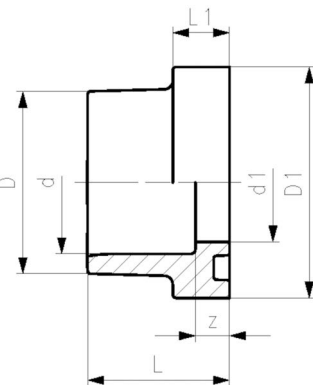


d	DN	PN	SDR	Code	Weight	D	D1	d1	L	L1	z
(mm)	(mm)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20	15	10	17/17.6	753 790 206	0.013	27	45	16	19	7	5
25	20	10	17/17.6	753 790 207	0.022	33	58	21	21	9	5
32	25	10	17/17.6	753 790 208	0.035	41	68	28	23	10	5
40	32	10	17/17.6	753 790 209	0.052	50	78	36	25	11	5
50	40	10	17/17.6	753 790 210	0.061	61	88	45	28	12	5
63	50	10	17/17.6	753 790 211	0.095	76	102	57	32	14	5
75	65	10	17/17.6	753 790 212	0.163	90	122	69	36	16	5
90	80	10	17/17.6	753 790 213	0.203	108	138	84	42	17	7
110	100	10	17/17.6	753 790 214	0.293	131	158	100	48	18	7

Flange Adaptor PE 80 Jointing

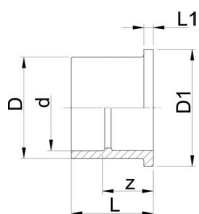
face with o-ring groove Model:

- Counterpart: flange adaptor flat/serrated 53 79 02
- Gasket: O-ring EPDM
- Flanges: PP - steel, No. 27 70 02, PP-V, No 27 70 04



d	SDR	DN	PN	Code	Weight	D	D1	d1	L	L1	z
(mm)		(mm)	(bar)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20	11	15	10	733 810 106	0.008	27	34	16	22	9	8
25	11	20	10	733 810 107	0.012	33	41	21	24	10	8
32	11	25	10	733 810 108	0.019	41	50	28	26	10	8
40	11	32	10	733 810 109	0.031	50	61	36	30	13	10
50	11	40	10	733 810 110	0.044	61	73	45	33	13	10
63	11	50	10	733 810 111	0.072	76	90	57	37	14	10
75	11	65	10	733 810 112	0.112	90	106	69	40	15	10
90	11	80	10	733 810 113	0.185	108	125	84	47	16	12
110	11	100	10	733 810 114	0.285	131	150	100	55	18	13

ecoFIT Outlet flange adaptor PE80
d40-110mm / SDR11 / Jointing face flat



Model:

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

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

Flanges for socket fusion systems

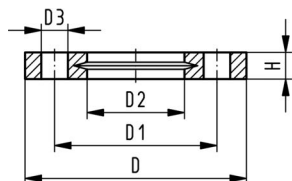


Flanges PP-V (full plastic)

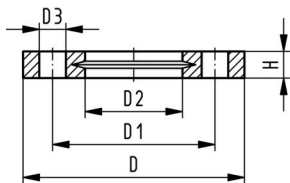
Model:

- Full-plastic flange PP-GF (30 % glass-fibre reinforced)
- Metric: ISO 7005, EN 1092, ISO 9624
- ASME: ANSI/ASME B 16.5 class 150, ASTM D2024, BS 1560, BS EN 1759
- Special flange adapter ANSI for d25 - d50 and d90 required

AL: number of holes



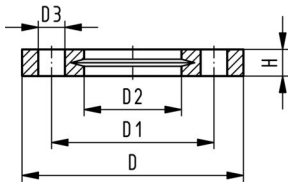
d	DN	d	PN	Standard	Bolt / circle	Design	Code	Weight
(mm)	(mm)	(inch)	(bar)					(kg)
20	15		16	Metric	PN10	Butt/Socket	727 700 406	0.093
20	15	½	16	ASME	class 150	Butt/Socket	727 701 406	0.091
25	20		16	Metric	PN10	Butt/Socket	727 700 407	0.120
25	20	¾	16	ASME	class 150	Butt/Socket	727 701 407	0.120
32	25		16	Metric	PN10	Butt/Socket	727 700 408	0.151
32	25	1	16	ASME	class 150	Butt/Socket	727 701 408	0.147
40	32		16	Metric	PN10	Butt/Socket	727 700 409	0.244
40	32	1 ¼	16	ASME	class 150	Butt/Socket	727 701 409	0.246
50	40		16	Metric	PN10	Butt/Socket	727 700 410	0.297
50	40	1 ½	16	ASME	class 150	Butt/Socket	727 701 410	0.299
63	50		16	Metric	PN10	Butt/Socket	727 700 411	0.362
63	50	2	16	ASME	class 150	Butt/Socket	727 701 411	0.361
75	65		16	Metric	PN10	Butt/Socket	727 700 412	0.487
75	65	2 ½	16	ASME	class 150	Butt/Socket	727 701 412	0.492
90	80		16	Metric	PN10	Socket	727 700 413	0.550
90	80		16	Metric	PN10	Butt	727 700 513	0.544
90	80	3	16	ASME	class 150	Socket	727 701 413	0.605
90	80	3	16	ASME	class 150	Butt	727 701 513	0.607
110	100		16	Metric	PN10	Socket	727 700 414	0.640
110	100		16	Metric	PN10	Butt	727 700 514	0.643
110	100	4	16	ASME	class 150	Socket	727 701 414	0.704
110	100	4	16	ASME	class 150	Butt	727 701 514	0.736
125	125		16	Metric	PN10	Butt	727 700 515	0.635
140	125		16	Metric	PN10	Socket	727 700 416	0.781
140	125		16	Metric	PN10	Butt	727 700 516	0.842
160	150		16	Metric/ASME	PN10/ class 150	Socket	727 700 417	1.050
160	150	6	16	Metric/ASME	PN10/ class 150	Butt	727 700 517	1.200
180	150		16	Metric/ASME	PN10/ Class 150	Butt	727 700 518	1.200
200	200		16	Metric/ASME	PN10/ class 150	Socket	727 700 419	1.629



d (mm)	DN (mm)	d (inch)	PN (bar)	Standard	Bolt / circle	Design	Code	Weight (kg)
200	200	8	16	Metric/ASME	PN10/ class 150	Butt	727 700 519	1.400
225	200		16	Metric/ASME	PN10/ class 150	Socket	727 700 420	1.400
225	200	8	16	Metric/ASME	PN10/ class 150	Butt	727 700 520	1.400
250	250		10	Metric	PN10	Socket	727 700 421	2.229
250	250		10	Metric	PN10	Butt	727 700 521	2.052
250	250	10	10	ASME	class 150	Butt	727 701 521	2.241
280	250		10	Metric	PN10	Socket	727 700 422	1.651
280	250		10	Metric	PN10	Butt	727 700 522	1.700
280	250	10	10	ASME	class 150	Socket	727 701 422	1.838
280	250	10	10	ASME	class 150	Butt	727 701 522	2.173
315	300		10	Metric	PN10	Socket	727 700 423	2.461
315	300		10	Metric	PN10	Butt	727 700 523	2.400
315	300	12	10	ASME	class 150	Socket	727 701 423	3.482
315	300	12	10	ASME	class 150	Butt	727 701 523	3.627
355	350		10	Metric	PN10	Socket	727 700 424	3.000
355	350		10	Metric	PN10	Butt	727 700 524	4.440
400	400		10	Metric	PN10	Socket	727 700 425	5.135
400	400		10	Metric	PN10	Butt	727 700 525	5.624

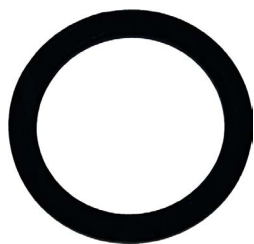
d (mm)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC
20	95	65	28	14	16	4	M12
20	95	60	28	16	16	4	M12
25	105	75	34	14	17	4	M12
25	105	70	34	16	17	4	M12
32	115	85	42	14	18	4	M12
32	115	79	42	16	18	4	M12
40	140	100	51	18	20	4	M16
40	140	89	51	16	20	4	M16
50	150	110	62	18	22	4	M16
50	150	98	62	16	22	4	M16
63	165	125	78	18	24	4	M16
63	165	121	78	19	24	4	M16
75	185	145	92	18	26	4	M16
75	185	140	92	19	26	4	M16
90	200	160	110	18	27	8	M16
90	200	160	108	18	27	8	M16
90	200	152	110	19	27	4	M16
90	200	152	108	19	27	4	M16
110	220	180	133	18	28	8	M16
110	220	180	128	18	28	8	M16
110	229	190	133	19	28	8	M16
110	229	190	128	19	28	8	M16
125	220	180	135	18	28	8	M16
140	250	210	167	18	30	8	M16
140	250	210	158	18	30	8	M16
160	285	240	190	22	32	8	M20
160	285	240	178	22	32	8	M20
180	285	240	188	22	32	8	M20
200	340	297	226	22	34	8	M20
200	340	297	235	22	34	8	M20
225	340	295	250	22	34	8	M20
225	340	297	238	22	34	8	M20
250	395	350	277	22	38	12	M20
250	395	350	288	22	38	12	M20
250	406	362	288	26	38	12	M20
280	395	350	310	22	38	12	M20
280	395	350	294	22	38	12	M20
280	406	362	310	26	38	12	M20
280	406	362	294	26	38	12	M20
315	445	400	348	22	42	12	M20

table continued on the next page



d (mm)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC
315	445	400	338	22	42	12	M20
315	483	432	348	26	42	12	M20
315	483	432	338	26	42	12	M20
355	515	460	388	22	46	16	M20
355	515	460	376	22	46	16	M20
400	574	515	442	26	50	16	M24
400	574	515	430	26	50	16	M24

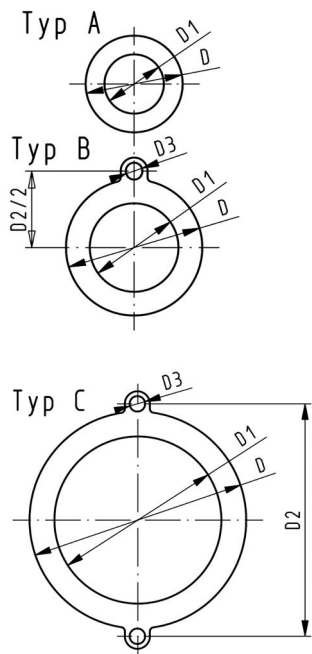
Gaskets for socket fusion



Flat gasket EPDM

Model:

- For all metric GF Flange Adaptors
 - Hardness approx. 65° Shore
 - Integrated fixation aids from d110
 - Centering on the inner diameter of the screw crown
- di FA are the suitable inner diameters of flanges adaptors

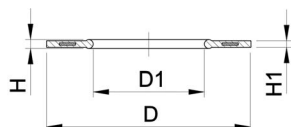


d (mm)	DN (mm)	PN (bar)	Type	EPDM Code	Weight (kg)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H (mm)	di FA (mm)
16	10	10	A	748 400 305	0.004	46	16			2	6 - 26
20	15	10	A	748 400 306	0.012	51	20			2	10 - 30
25	20	10	A	748 400 307	0.004	61	25			2	15 - 35
32	25	10	A	748 400 308	0.008	71	32			2	22 - 42
40	32	10	A	748 400 309	0.013	82	40			3	30 - 50
50	40	10	A	748 400 310	0.016	92	50			3	40 - 60
63	50	10	A	748 400 311	0.018	107	63			3	53 - 73
75	65	10	A	748 400 312	0.029	127	71			3	61 - 81
90	80	10	A	748 400 313	0.035	142	84			3	74 - 94
110	100	10	B	748 400 314	0.051	162	104	180	18	4	94 - 114
125	100	10	B	748 400 315	0.044	162	119	180	18	4	109 - 129
140	125	10	B	748 400 316	0.068	192	134	210	18	4	124 - 144
160 - 180	150	10	B	748 400 317	0.090	218	155	241	22	4	145 - 165
200	200	6	C	748 400 319	0.180	273	195	295	22	5	185 - 205
225	200	6	C	748 400 320	0.140	273	216	295	22	5	206 - 226
250	250	6	C	748 400 321	0.210	328	250	350	22	5	240 - 260
280	250	6	C	748 400 322	0.151	328	273	350	22	5	263 - 283
315	300	6	C	748 400 323	0.237	378	305	400	22	5	295 - 315

**Profile Flange Gasket EPDM/FKM
metric**



Design d710 - d1000



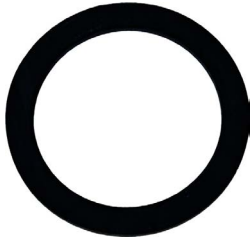
Model:

- For all metric GF Flange Adaptors
- Hardness: 70° Shore EPDM, 75° Shore FKM
- EPDM: approved acc. to DVGW Water W 270, KTW recommendation
- Centering on the inner diameter of the screw crown
- material steel insert: carbon steel
- Rubber-steel body combined with rubber profile cord ring up to d630
- Rubber-steel body ideal for big dimensions (d710 - d1000)

di FA are the suitable inner diameters of flanges adaptors

d (mm)	DN (mm)	PN (bar)	EPDM Code	FKM Code	Weight (kg)	D (mm)	D1 (mm)	di FA (mm)	H (mm)	H1 (mm)
16	10	16	748 440 705	749 440 705	0.012	46	16	6 - 16	4	3
20	15	16	748 440 706	749 440 706	0.013	51	20	10 - 20	4	3
25	20	16	748 440 707	749 440 707	0.014	61	22	12 - 22	4	3
32	25	16	748 440 708	749 440 708	0.019	71	28	18 - 28	4	3
40	32	16	748 440 709	749 440 709	0.026	82	40	30 - 40	4	3
50	40	16	748 440 710	749 440 710	0.039	92	46	36 - 46	4	3
63	50	16	748 440 711	749 440 711	0.050	107	58	48 - 58	5	4
75	65	16	748 440 712	749 440 712	0.082	127	69	59 - 69	5	4
90	80	16	748 440 713	749 440 713	0.083	142	84	73 - 84	5	4
110	100	16	748 440 714	749 440 714	0.127	162	104	94 - 104	6	5
125	100	16	748 440 715	749 440 715	0.105	162	123	113 - 123	6	5
140	125	16	748 440 716	749 440 716	0.173	192	137	127 - 137	6	5
160 - 180	150	16	748 440 717	749 440 717	0.207	218	160	150 - 160	8	6
200	200	16	748 440 719	749 440 719	0.263	273	203	192 - 203	8	6
225	200	16	748 440 720	749 440 720	0.255	273	220	207 - 220	8	6
250	250	16	748 440 721	749 440 721	0.462	328	252	238 - 252	8	6
280	250	16	748 440 722	749 440 722	0.323	328	274	264 - 274	8	6
315	300	16	748 440 723	749 440 723	0.549	378	306	296 - 306	8	6
355	350	16	748 440 724	749 440 724	0.870	438	355	340 - 355	10	7
400	400	16	748 440 725	749 440 725	1.088	489	400	385 - 400	10	7
450	500	10	748 440 726	749 440 726	0.718	594	403	393 - 403	10	7
500	500	10	748 440 727	749 440 727	0.718	594	447	437 - 447	10	7
560	600	10	748 440 728	749 440 728	0.923	695	494	484 - 494	10	7
630	600	10	748 440 729	749 440 729	0.923	695	555	545 - 555	10	7
710	700	6	748 440 730		0.890	810	712	562 - 712	6	3
800	800	6	748 440 731		1.340	917	813	663 - 813	6	3
900	900	6	748 440 732		1.170	1017	915	765 - 915	6	3
1000	1000	6	748 440 733		1.360	1124	1016	866 - 1016	6	3

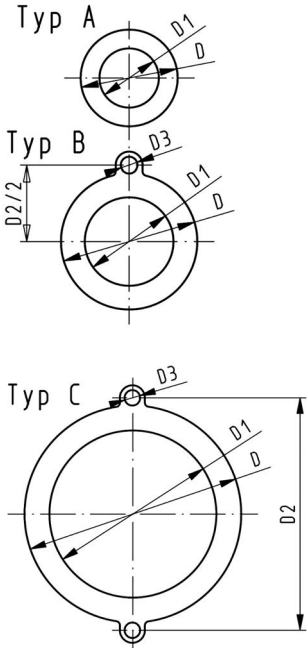
Gaskets for butt fusion



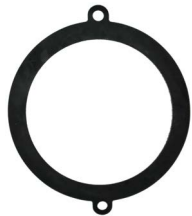
Flat gasket EPDM

Model:

- For all metric GF Flange Adaptors
 - Hardness approx. 65° Shore
 - Integrated fixation aids from d110
 - Centering on the inner diameter of the screw crown
- di FA are the suitable inner diameters of flanges adaptors



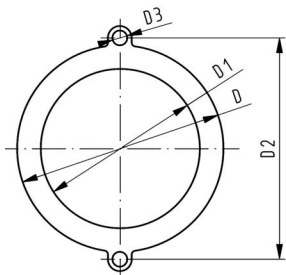
d (mm)	DN (mm)	PN (bar)	Type	EPDM Code	Weight (kg)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H (mm)	di FA (mm)
16	10	10	A	748 400 305	0.004	46	16			2	6 - 26
20	15	10	A	748 400 306	0.012	51	20			2	10 - 30
25	20	10	A	748 400 307	0.004	61	25			2	15 - 35
32	25	10	A	748 400 308	0.008	71	32			2	22 - 42
40	32	10	A	748 400 309	0.013	82	40			3	30 - 50
50	40	10	A	748 400 310	0.016	92	50			3	40 - 60
63	50	10	A	748 400 311	0.018	107	63			3	53 - 73
75	65	10	A	748 400 312	0.029	127	71			3	61 - 81
90	80	10	A	748 400 313	0.035	142	84			3	74 - 94
110	100	10	B	748 400 314	0.051	162	104	180	18	4	94 - 114
125	100	10	B	748 400 315	0.044	162	119	180	18	4	109 - 129
140	125	10	B	748 400 316	0.068	192	134	210	18	4	124 - 144
160 - 180	150	10	B	748 400 317	0.090	218	155	241	22	4	145 - 165
200	200	6	C	748 400 319	0.180	273	195	295	22	5	185 - 205
225	200	6	C	748 400 320	0.140	273	216	295	22	5	206 - 226
250	250	6	C	748 400 321	0.210	328	250	350	22	5	240 - 260
280	250	6	C	748 400 322	0.151	328	273	350	22	5	263 - 283
315	300	6	C	748 400 323	0.237	378	305	400	22	5	295 - 315



Backing flange steel metric

Model:

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

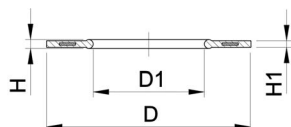


PN* (bar)	d (mm)	DN (mm)	EPDM Code	Weight (kg)	D2 (mm)	D3 (mm)	D1 (mm)	H (mm)	D (mm)
6	710	700	748 400 330	0.900	840	30	625	5	810
6	800	800	748 400 331	1.000	950	33	705	5	917
6	900	900	748 400 332	1.200	1050	36	805	5	1014
6	1000	1000	748 400 333	1.400	1160	39	890	5	1121

**Profile Flange Gasket EPDM/FKM
metric**



Design d710 - d1000



Model:

- For all metric GF Flange Adaptors
- Hardness: 70° Shore EPDM, 75° Shore FKM
- EPDM: approved acc. to DVGW Water W 270, KTW recommendation
- Centering on the inner diameter of the screw crown
- material steel insert: carbon steel
- Rubber-steel body combined with rubber profile cord ring up to d630
- Rubber-steel body ideal for big dimensions (d710 - d1000)

di FA are the suitable inner diameters of flanges adaptors

d (mm)	DN (mm)	PN (bar)	EPDM Code	FKM Code	Weight (kg)	D (mm)	D1 (mm)	di FA (mm)	H (mm)	H1 (mm)
16	10	16	748 440 705	749 440 705	0.012	46	16	6 - 16	4	3
20	15	16	748 440 706	749 440 706	0.013	51	20	10 - 20	4	3
25	20	16	748 440 707	749 440 707	0.014	61	22	12 - 22	4	3
32	25	16	748 440 708	749 440 708	0.019	71	28	18 - 28	4	3
40	32	16	748 440 709	749 440 709	0.026	82	40	30 - 40	4	3
50	40	16	748 440 710	749 440 710	0.039	92	46	36 - 46	4	3
63	50	16	748 440 711	749 440 711	0.050	107	58	48 - 58	5	4
75	65	16	748 440 712	749 440 712	0.082	127	69	59 - 69	5	4
90	80	16	748 440 713	749 440 713	0.083	142	84	73 - 84	5	4
110	100	16	748 440 714	749 440 714	0.127	162	104	94 - 104	6	5
125	100	16	748 440 715	749 440 715	0.105	162	123	113 - 123	6	5
140	125	16	748 440 716	749 440 716	0.173	192	137	127 - 137	6	5
160 - 180	150	16	748 440 717	749 440 717	0.207	218	160	150 - 160	8	6
200	200	16	748 440 719	749 440 719	0.263	273	203	192 - 203	8	6
225	200	16	748 440 720	749 440 720	0.255	273	220	207 - 220	8	6
250	250	16	748 440 721	749 440 721	0.462	328	252	238 - 252	8	6
280	250	16	748 440 722	749 440 722	0.323	328	274	264 - 274	8	6
315	300	16	748 440 723	749 440 723	0.549	378	306	296 - 306	8	6
355	350	16	748 440 724	749 440 724	0.870	438	355	340 - 355	10	7
400	400	16	748 440 725	749 440 725	1.088	489	400	385 - 400	10	7
450	500	10	748 440 726	749 440 726	0.718	594	403	393 - 403	10	7
500	500	10	748 440 727	749 440 727	0.718	594	447	437 - 447	10	7
560	600	10	748 440 728	749 440 728	0.923	695	494	484 - 494	10	7
630	600	10	748 440 729	749 440 729	0.923	695	555	545 - 555	10	7
710	700	6	748 440 730		0.890	810	712	562 - 712	6	3
800	800	6	748 440 731		1.340	917	813	663 - 813	6	3
900	900	6	748 440 732		1.170	1017	915	765 - 915	6	3
1000	1000	6	748 440 733		1.360	1124	1016	866 - 1016	6	3