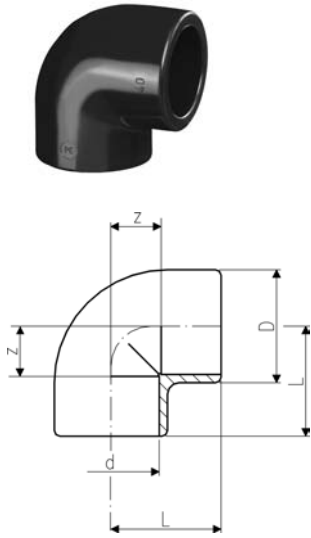


Fittings for Socket Fusion

33 10 01

Elbow 90°, PE80



d [mm]	PN	Code	kg	kg/m	D [mm]	L [mm]	z [mm]	
20	10	733 100 106	0.022	0.022	31	28	14	
25	10	733 100 107	0.032	0.032	36	32	16	
32	10	733 100 108	0.048	0.048	44	38	20	
40	10	733 100 109	0.080	0.080	54	44	24	
50	10	733 100 110	0.130	0.130	66	51	28	
63	10	733 100 111	0.229	0.229	82	62	35	
75	10	733 100 112	0.320	0.320	93	76	45	
90	10	733 100 113	0.502	0.502	110	88	53	
110	10	733 100 114	0.864	0.864	134	106	65	

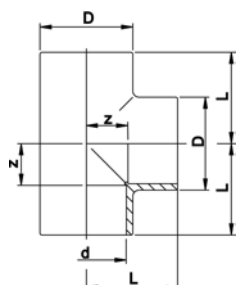
33 15 01

Elbow 45°, PE80



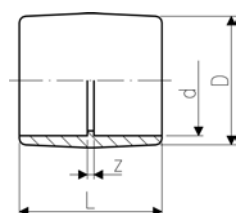
d [mm]	PN	Code	kg	kg/m	D [mm]	L [mm]	z [mm]	
20	10	733 150 106	0.018	0.018	31	21	7	
25	10	733 150 107	0.026	0.026	36	24	8	
32	10	733 150 108	0.038	0.038	44	28	10	
40	10	733 150 109	0.061	0.061	53	33	13	
50	10	733 150 110	0.088	0.088	64	36	13	
63	10	733 150 111	0.184	0.184	82	43	16	
75	10	733 150 112	0.232	0.232	93	51	20	
90	10	733 150 113	0.415	0.415	114	58	23	
110	10	733 150 114	0.658	0.658	134	68	27	

33 20 01

Tee 90° equal, PE80

d [mm]	PN	Code	kg	kg/m	D [mm]	L [mm]	z [mm]	
20	10	733 200 106	0.028	0.028	31	28	14	
25	10	733 200 107	0.041	0.041	36	32	16	
32	10	733 200 108	0.060	0.060	44	38	20	
40	10	733 200 109	0.101	0.101	54	44	24	
50	10	733 200 110	0.163	0.163	66	51	28	
63	10	733 200 111	0.300	0.300	82	62	35	
75	10	733 200 112	0.408	0.408	93	76	45	
90	10	733 200 113	0.747	0.747	114	88	53	
110	10	733 200 114	1.113	1.113	134	106	65	

33 91 01

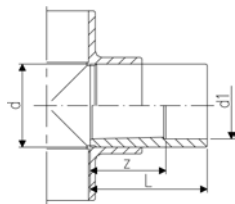
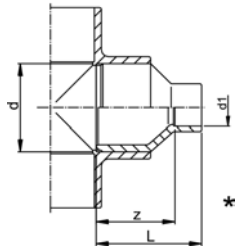
Sockets equal, PE80

d [mm]	PN	Code	kg	kg/m	D [mm]	L [mm]	z [mm]	
20	10	733 910 106	0.014	0.014	31	35	7	
25	10	733 910 107	0.019	0.019	36	39	7	
32	10	733 910 108	0.027	0.027	44	43	7	
40	10	733 910 109	0.043	0.043	54	48	8	
50	10	733 910 110	0.077	0.077	66	54	8	
63	10	733 910 111	0.126	0.126	82	62	8	
75	10	733 910 112	0.154	0.154	93	70	8	
90	10	733 910 113	0.234	0.234	112	81	11	
110	10	733 910 114	0.428	0.428	134	96	14	

33 91 03

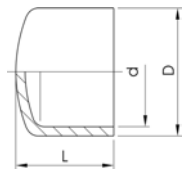
Reducers, PE80

- With socket fusion spigot and fusion socket metric



d [mm]	d1 [mm]	PN	Code	kg	kg/m	L [mm]	z [mm]	
25	20	10	733 910 337	0.013	0.013	39	23	
32	25	10	733 910 341	0.021	0.021	43	27	
*40	20	10	733 910 348	0.023	0.023	48	34	
*40	25	10	733 910 347	0.027	0.027	48	32	
40	32	10	733 910 346	0.032	0.032	48	30	
*50	32	10	733 910 353	0.042	0.042	54	36	
50	40	10	733 910 352	0.049	0.049	54	34	
*63	20	10	733 910 362	0.057	0.057	64	50	
*63	25	10	733 910 361	0.060	0.060	64	48	
*63	32	10	733 910 360	0.065	0.065	64	46	
*63	40	10	733 910 359	0.070	0.070	64	44	
63	50	10	733 910 358	0.086	0.086	64	41	
75	63	10	733 910 364	0.103	0.103	62	35	
*90	63	10	733 910 371	0.192	0.192	88	62	
90	75	10	733 910 370	0.146	0.146	70	39	
110	90	10	733 910 376	0.253	0.253	81	45	

33 96 01

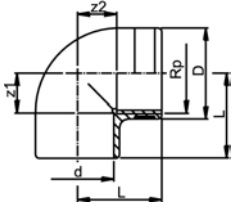
End Caps, PE80

d [mm]	PN	Code	kg	kg/m	D [mm]	L [mm]	
20	10	733 960 106	0.010	0.010	30	27	
25	10	733 960 107	0.016	0.016	36	30	
32	10	733 960 108	0.025	0.025	44	34	
40	10	733 960 109	0.038	0.038	53	38	
50	10	733 960 110	0.061	0.061	65	44	
63	10	733 960 111	0.096	0.096	80	51	
75	10	733 960 112	0.157	0.157	91	66	
90	10	733 960 113	0.272	0.272	111	77	
110	10	733 960 114	0.414	0.414	137	93	

Adaptor Fittings for Socket Fusion

33 10 02

Elbow 90°, PE80 metric - Rp



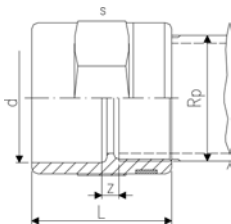
Model:

- With fusion socket metric and parallel female thread Rp, reinforced
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- Do not use thread sealing pastes that are harmful to PE

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

33 91 02

Adaptor Sockets, PE80 metric - Rp



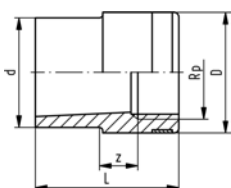
Model:

- With fusion socket metric and parallel female thread Rp, reinforced
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- Do not use thread sealing pastes that are harmful to PE

d [mm]	Rp [inch]	PN	Code	kg	kg/m	L [mm]	s [mm]	z [mm]	
20	½	10	733 910 206	0.020	0.020	35	32	7	
25	¾	10	733 910 207	0.026	0.026	39	36	7	
32	1	10	733 910 208	0.043	0.043	45	46	7	
40	1 ¼	10	733 910 209	0.070	0.070	53	55	7	
50	1 ½	10	733 910 210	0.099	0.099	54	65	9	
63	2	10	733 910 211	0.159	0.159	62	80	9	

33 91 04

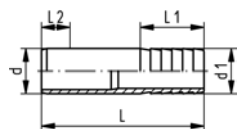
Reducing Bushes, PE80 metric - Rp



Model:

- With fusion socket metric and parallel female thread Rp, reinforced
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- Do not use thread sealing pastes that are harmful to PE

d [mm]	Rp [inch]	PN	Code	kg	kg/m	L [mm]	z [mm]	
20	¾	10	733 910 434	0.012	0.012	33	7	
25	½	10	733 910 437	0.017	0.017	37	6	
32	¾	10	733 910 441	0.027	0.027	43	8	
40	1	10	733 910 446	0.046	0.046	49	9	
50	1 ¼	10	733 910 452	0.071	0.071	55	10	



Hose Connectors, PE100 metric

Model:

- With socket fusion spigot metric and parallel hose connection

d [mm]	d1 [mm]	PN	Code	kg	kg/m	L [mm]	L1 [mm]	L2 [mm]	
20	20	10	753 960 406	0.007	0.007	55	27	14	
25	25	10	753 960 407	0.015	0.015	68	36	16	
32	32	10	753 960 408	0.021	0.021	77	36	18	
40	40	10	753 960 409	0.030	0.030	80	42	20	
50	50	10	753 960 410	0.064	0.064	90	48	23	
63	60	10	753 960 411	0.092	0.092	100	50	27	

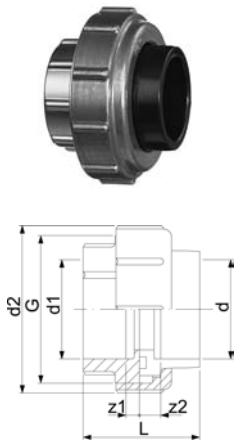
Unions for Socket Fusion

33 58 01

Unions, PE80 metric

Model:

- Union ends: Fusion sockets, PE80 metric
- Union bush: brass
- Union Nut: brass
- Gasket: O-ring NBR (Nitril-rubber)



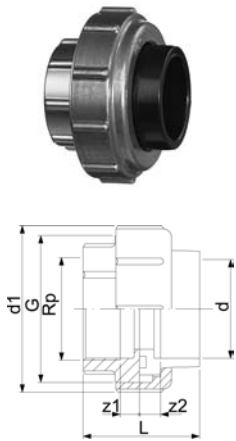
d [mm]	d1 [mm]	PN	Code	kg	kg/m	G [inch]	L [mm]	z1 [mm]	D2 [mm]	d2 [mm]	z2 [mm]	
20	20	10	733 580 106	0.163	0.163	1 1/4	46	6	46	46	3	
25	25	10	733 580 107	0.214	0.214	1 1/2	49	6	52	52	3	
32	32	10	733 580 108	0.294	0.294	2	51	6	64	64	3	
40	40	10	733 580 109	0.473	0.473	2 1/2	56	8	79	79	3	
50	50	10	733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

33 58 02

Adaptor unions, PE80 - brass metrisch - Rp

Model:

- Union ends: Fusion sockets, PE80 metric
- Union bush: nickel-plated, parallel female thread Rp
- Union Nut: brass
- Gasket: O-ring NBR (Nitril-rubber)



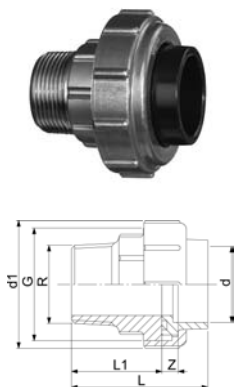
d [mm]	Rp [inch]	PN	Code	kg	kg/m	G [inch]	L [mm]	d1 [mm]	z1 [mm]	z2 [mm]	
20	1/2	10	733 580 206	0.209	0.209	1 1/4	46	46	6	10	
25	3/4	10	733 580 207	0.269	0.269	1 1/2	48	52	6	9	
32	1	10	733 580 208	0.371	0.371	2	51	64	6	8	
40	1 1/4	10	733 580 209	0.596	0.596	2 1/2	56	79	8	7	
50	1 1/2	10	733 580 210	0.666	0.666	2 3/4	59	85	8	7	
63	2	10	733 580 211	0.960	0.960	3 1/2	65	104	8	5	

33 58 07

Adaptor unions, PE80 - brass metric - R

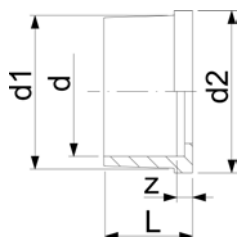
Model:

- Union ends: Fusion sockets, PE80 metric
- Union bush: nickel-plated, taper male thread R
- Union Nut: brass
- Gasket: O-ring NBR (Nitril-rubber)



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

34 60 01



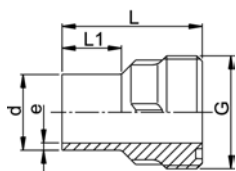
Union Ends, PE80

Model:

- With fusion socket metric
- Suitable for unions, tank connectors and diaphragm valves Type 314

d [mm]	PN	Code	kg	kg/m	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	z [mm]	
20	10	734 600 106	0.006	0.006	28	30	19	5	5	
25	10	734 600 107	0.012	0.012	36	39	21	5	5	
32	10	734 600 108	0.015	0.015	42	45	23	6	5	
40	10	734 600 109	0.026	0.026	53	57	25	6	5	
50	10	734 600 110	0.027	0.027	59	63	28	7	5	
63	10	734 600 111	0.045	0.045	74	79	32	8	5	

53 64 86



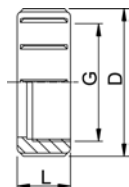
Union Bushes, PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00
- D75-110 with new thread geometry, now rated PN10 up to d110
- **For the dimensions d75-110 please see instructions for the installation**

d [mm]	PN	FM	Code	kg	kg/m	G [inch]	L [mm]	L1 [mm]	e [mm]	
20	16	IR	753 648 606	0.016	0.016	1	54	26	1,9	
25	16	IR	753 648 607	0.025	0.025	1 1/4	57	26	2,3	
32	16	IR	753 648 608	0.035	0.035	1 1/2	60	25	2,9	
40	16	IR	753 648 609	0.056	0.056	2	63	25	3,7	
50	16	IR	753 648 610	0.078	0.078	2 1/4	66	25	4,6	
63	16	IR	753 648 611	0.120	0.120	2 3/4	69	25	5,8	

33 69 04



Union Nuts, PE-GF

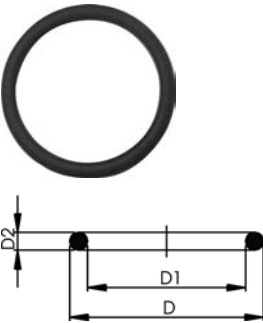
Model:

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

* PP glass fibre reinforced

d-d [mm]	Code	kg	kg/m	G [inch]	D [mm]	L [mm]	
20 -	733 690 406	0.029	0.029	1	48	24	
25 -	733 690 407	0.032	0.032	1 1/4	58	26	
32 -	733 690 408	0.042	0.042	1 1/2	65	28	
40 -	733 690 409	0.068	0.068	2	79	31	
50 -	733 690 410	0.097	0.097	2 1/4	91	35	
63 -	733 690 411	0.166	0.166	2 3/4	111	39	

EPDM 48 41 00
FPM 49 41 00



O-Ring Gaskets

Model:

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

d [mm]	DN [mm]	EPDM Code	FPM Code	kg	kg/m	D [mm]	D1 [mm]	D2 [mm]	
20	15	748 410 006	749 410 006	0.002	0.002	27	20	4	
25	20	748 410 007	749 410 007	0.002	0.002	35	28		
32	25	748 410 008	749 410 008	0.002	0.002	40	33	4	
40	32	748 410 009	749 410 009	0.006	0.006	51	41	5	
50	40	748 410 010	749 410 010	0.007	0.007	58	47	5	
63	50	748 410 011	749 410 011	0.010	0.010	70	60	5	

Flange Adaptors, Flanges and Gaskets for Socket Fusion

53 79 02

Flange Adaptors, PE100 Jointing face flat/serrated

Model:

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



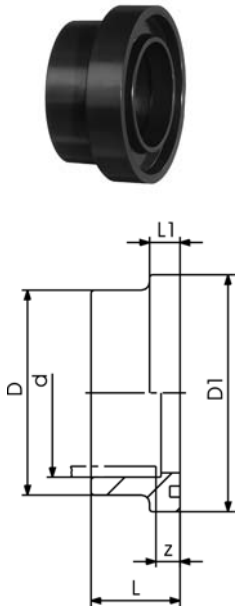
d [mm]	PN	Code	kg	kg/m	D [mm]	D1 [mm]	L [mm]	L1 [mm]	z [mm]	
20	10	753 790 206	0.013	0.013	27	45	19	7	5	
25	10	753 790 207	0.025	0.025	33	58	21	9	5	
32	10	753 790 208	0.037	0.037	41	68	23	10	5	
40	10	753 790 209	0.052	0.052	50	78	25	11	5	
50	10	753 790 210	0.069	0.069	61	88	28	12	5	
63	10	753 790 211	0.102	0.102	76	102	32	14	5	
75	10	753 790 212	0.163	0.163	90	122	36	16	5	
90	10	753 790 213	0.233	0.233	108	138	42	17	7	
110	10	753 790 214	0.319	0.319	131	158	48	18	7	

33 81 01

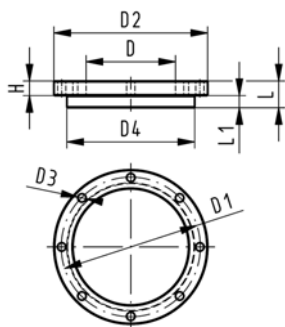
Flange Adaptors, PE80 Jointing Face with O-ring Groove

Model:

- Counterpart: Flange adaptor flat/serrated 53 79 02
- Gasket: O-ring No. 48 41 01 or 49 41 01
- Flanges: PP with steel core, No. 27 70 02, PP-V, No 27 70 04



d [mm]	PN	Code	kg	kg/m	D [mm]	D1 [mm]	L [mm]	L1 [mm]	z [mm]	
20	10	733 810 106	0.008	0.008	27	34	22	9	8	
25	10	733 810 107	0.012	0.012	33	41	24	10	8	
32	10	733 810 108	0.019	0.019	41	50	26	10	8	
40	10	733 810 109	0.031	0.031	50	61	30	13	10	
50	10	733 810 110	0.044	0.044	61	73	33	13	10	
63	10	733 810 111	0.072	0.072	76	90	37	14	10	
75	10	733 810 112	0.112	0.112	90	106	40	15	10	
90	10	733 810 113	0.185	0.185	108	125	47	16	12	
110	10	733 810 114	0.283	0.283	131	150	55	18	13	



Blanking Flange Set, PE

Combined Jointing face flat and serrated metric



Model:

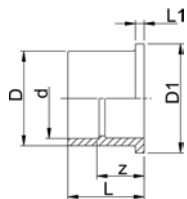
- d63 - d315: Backing Flange PP-V with End Blank PE
- d355 - d630: Backing Flange PP/Steel with End Blank PE
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501
- **Bolt circle PN 10**

AL: number of holes

L: length of the End Blank

d [mm]	DN [mm]	PN	Code Code	kg	kg/m	
63	50	16	753 700 611	0.674	0.674	
75	65	16	753 700 612	0.910	0.910	
90	80	16	753 700 613	1.067	1.067	
110	100	16	753 700 614	1.216	1.216	
125	100	16	753 700 615	1.678	1.678	
140	125	16	753 700 616	1.913	1.913	
160	150	16	753 700 617	2.352	2.352	
180	150	16	753 700 618	2.430	2.430	
200	200	16	753 700 619	3.495	3.495	
225	200	16	753 700 620	3.744	3.744	
250	250	16	753 700 621	5.558	5.558	
280	250	16	753 700 622	19.957	19.957	
315	300	16	753 700 623	24.569	24.569	
355	350	16	753 700 624	23.198	23.198	
400	400	16	753 700 625	30.766	30.766	
450	500	10	753 700 626	44.271	44.271	
500	500	10	753 700 627	47.165	47.165	
560	600	10	753 700 628	67.147	67.147	
630	600	10	753 700 629	68.574	68.574	

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



Outlet Flange Adaptor, PE80 Joining Face flat

Model:

- With fusion socket metric
- Suitable for wafer check valves Type 369
- To be installed on the outlet side of the valve

d [mm]	DN [mm]	PN	Code	kg	kg/m	D [mm]	D1 [mm]	L [mm]	L1 [mm]	z [mm]	
40	32	6	733 800 009	0.060	0.060	50	78	55	11	35	
50	40	6	733 800 010	0.080	0.080	61	88	61	12	38	
63	50	6	733 800 011	0.130	0.130	76	102	69	14	41	
75	65	6	733 800 012	0.160	0.160	90	122	79	16	49	
90	80	6	733 800 013	0.270	0.270	107	138	100	17	65	
110	100	6	733 800 014	0.480	0.480	130	158	105	18	62	

27 70 04

27 70 05

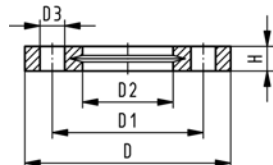
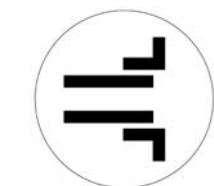
Backing Flanges, PP-V for Socket Systems metric

Model:

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

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

AL: number of holes



d [mm]	Inch	DN [mm]	PN	Code	kg	kg/m	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
20		15	16	727 700 406	0.080	0.080	95	65	28	14	16	4	M12
25		20	16	727 700 407	0.100	0.100	105	75	34	14	17	4	M12
32		25	16	727 700 408	0.140	0.140	115	85	42	14	18	4	M12
40		32	16	727 700 409	0.220	0.220	140	100	51	18	20	4	M16
50		40	16	727 700 410	0.210	0.210	150	110	62	18	22	4	M16
63		50	16	727 700 411	0.380	0.380	165	125	78	18	24	4	M16
75		65	16	727 700 412	0.480	0.480	185	145	92	18	26	4	M16
90		80	16	727 700 413	0.520	0.520	200	160	110	18	27	8	M16
110		100	16	727 700 414	0.680	0.680	220	180	133	18	28	8	M16

27 70 14
27 70 15

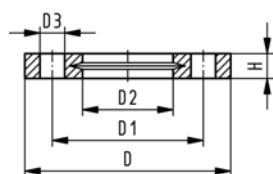
Backing Flanges, PP-V for Socket Systems Inch/ANSI

Model:

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

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

AL: number of holes



Inch	DN [mm]	PN	Code	kg	kg/m	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
1/2	15	16	727 701 406	0.080	0.080	95	60	28	16	16	4	M12
3/4	20	16	727 701 407	0.100	0.100	105	70	34	16	17	4	M12
1	25	16	727 701 408	0.140	0.140	115	79	42	16	18	4	M12
1 1/4	32	16	727 701 409	0.220	0.220	140	89	51	16	20	4	M16
1 1/2	40	16	727 701 410	0.210	0.210	150	98	62	16	22	4	M16
2	50	16	727 701 411	0.380	0.380	165	121	78	19	24	4	M16
2 1/2	65	16	727 701 412	0.480	0.480	185	140	92	19	26	4	M16
3	80	16	727 701 413	0.520	0.520	200	152	110	19	27	4	M16
4	100	16	727 701 414	0.680	0.680	229	190	133	19	28	8	M16

27 70 02

Backing Flanges, PP/Steel for Socket Systems metric

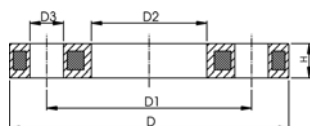
Model:

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

¹ Connecting dimension: ISO 2536 DN125

* Connecting dimension: ISO 2536

AL: number of holes



d [mm]	d [inch]	DN [mm]	PN	Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
20		15	16	727 700 206	0.220	95	65	28	14	12	4	M12
25		20	16	727 700 207	0.260	105	75	34	14	12	4	M12
32		25	16	727 700 208	0.430	115	85	42	14	16	4	M12
40		32	16	727 700 209	0.650	140	100	51	18	16	4	M16
50		40	16	727 700 210	0.820	150	110	62	18	18	4	M16
63		50	16	727 700 211	0.940	165	125	78	18	18	4	M16
75		65	16	727 700 212	1.300	185	145	92	18	18	4	M16
90		80	16	727 700 213	1.400	200	160	110	18	20	8	M16
110		100	16	727 700 214	1.560	220	180	133	18	20	8	M16

27 70 12

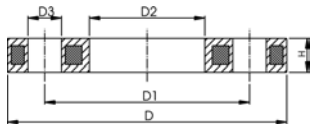
Backing Flanges, PP/Steel for Socket Systems Inch/ANSI

Model:

- For Flange Adaptors BS/ANSI
- Material: PP (30 % glass-fibre reinforced) with steel ring
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**
- DN100 and DN150: only for use with original metric flange adaptors

AL: number of holes

d [inch]	DN [mm]	d [mm]	PN	Code	kg	kg/m	D1 [mm]	D2 [mm]	D3 [mm]	D [mm]	H [mm]	AL
1/2	15	20	16	727 701 206	0.210	0.210	60	28	16	95	12	4
3/4	20	25	16	727 701 207	0.250	0.250	70	34	16	105	12	4
1	25	32	16	727 701 208	0.420	0.420	79	42	16	115	16	4
1 1/4	32	40	16	727 701 209	0.670	0.670	89	51	16	140	16	4
1 1/2	40	50	16	727 701 210	0.860	0.860	98	62	16	150	18	4
2	50	63	16	727 701 211	0.930	0.930	121	78	19	165	18	4
2 1/2	65	75	16	727 701 212	1.340	1.340	140	92	19	185	18	4
3	80	90	16	727 701 213	1.550	1.550	152	110	19	200	20	4
4	100	110	16	727 701 214	1.810	1.810	190	133	19	229	20	8



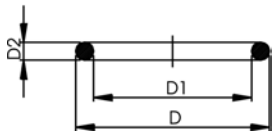
EPDM 48 41 01
FPM 49 41 01

O-Ring Gaskets

Model:

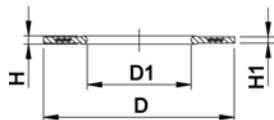
- For Flange Adaptors
- Hardness approx. 65° Shore

d [mm]	DN [mm]	EPDM Code	FPM Code	kg	kg/m	D [mm]	D1 [mm]	D2 [mm]
20	15	748 410 001	749 410 001	0.002	0.002	31	23	3.53
25	20	748 410 007	749 410 007	0.002	0.002	35	28	3.53
32	25	748 410 002	749 410 002	0.003	0.003	43	36	3.53
40	32	748 410 003	749 410 003	0.007	0.007	55	44	5.34
50	40	748 410 012	749 410 012	0.008	0.008	64	53	5.34
63	50	748 410 013	749 410 013	0.011	0.011	80	69	5.34
75	65	748 410 014	749 410 014	0.012	0.012	93	82	5.34
90	80	748 410 015	749 410 015	0.015	0.015	112	101	5.34
110	100	748 410 016	749 410 016	0.031	0.031	134	120	6.99



EPDM 48 44 07
FPM 49 44 07

Profile Flange Gaskets metric EPDM / FPM



Model:

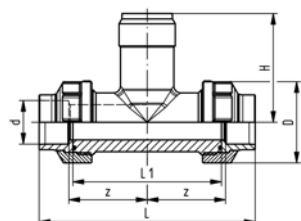
- For all GF Flange Adaptors
- Profile Gasket with steel insert (type G-ST-P/K)
- Hardness: 70° Shore **EPDM**, 75° Shore **FPM**
- Centering on the inner diameter of the screw crown

di FA are the suitable inner diameters of flange adaptors

d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	D [mm]	D1 [mm]	H [mm]	H1 [mm]	di FA [mm]	
16	10	16	748 440 705	749 440 705	0.007	46	16	4	3	6 - 16	
20	15	16	748 440 706	749 440 706	0.008	51	20	4	3	10 - 20	
25	20	16	748 440 707	749 440 707	0.011	61	22	4	3	12 - 22	
32	25	16	748 440 708	749 440 708	0.014	71	28	4	3	18 - 28	
40	32	16	748 440 709	749 440 709	0.021	82	40	4	3	30 - 40	
50	40	16	748 440 710	749 440 710	0.022	92	46	4	3	36 - 46	
63	50	16	748 440 711	749 440 711	0.041	107	58	5	4	48 - 58	
75	65	16	748 440 712	749 440 712	0.055	127	69	5	4	59 - 69	
90	80	16	748 440 713	749 440 713	0.062	142	84	5	4	73 - 84	
110	100	16	748 440 714	749 440 714	0.085	162	104	6	5	94 - 104	

33 31 00

Installation Fitting Type 310, PE80 for Socket Systems metric



Model:

- For Signet Paddlewheel Sensors Type -X0 (104 mm)
- Body and union nut PP-H
- Union end with fusion socket PE80

d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	
20	15	10	733 310 006	733 310 036	0.136	
25	20	10	733 310 007	733 310 037	0.190	
32	25	10	733 310 008	733 310 038	0.250	
40	32	10	733 310 009	733 310 039	0.356	
50	40	10	733 310 010	733 310 040	0.510	
63	50	10	733 310 011	733 310 041	0.800	

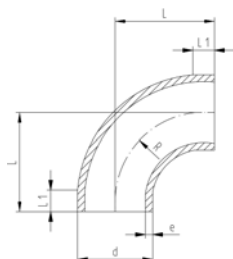
d [mm]	DN [mm]	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]	Sensor Type
20	15	48	50	128	90	76	X0
25	20	58	55	142	100	78	X0
32	25	65	60	156	110	81	X0
40	32	79	60	160	110	85	X0
50	40	91	65	176	120	89	X0
63	50	105	70	194	130	95	X0

Fittings for Butt Fusion

Bends 90°, PE100 S5/SDR11 - Type B

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100
- Bends with new geometry
- Injection moulding process optimised for PE100

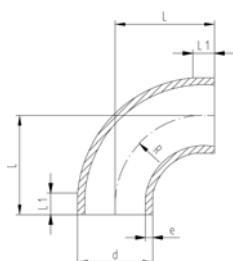


d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
20	--	753 018 681	0.005	28	5	1,9
25	--	753 018 682	0.010	33	7	2,3
32	--	753 018 683	0.019	41	7	2,9
40	--	753 018 684	0.038	52	10	3,7
50	--	753 018 685	0.069	63	10	4,6
63	--	753 018 686	0.138	77	10	5,8
75	IR	753 018 712	0.241	100	20	6,8
90	IR	753 018 713	0.358	100	20	8,2
110	IR	753 018 714	0.755	141	25	10,0
125	IR	753 018 690	0.850	140	15	11,4
140	IR	753 018 691	1.180	155	15	12,7
160	IR	753 018 692	1.750	175	15	14,6
180	IR	753 018 693	2.670	195	15	16,4
200	IR	753 018 694	3.440	215	15	18,2
225	IR	753 018 695	4.790	245	20	20,5
250	--	753 018 621	6.800	256	48	22,7
280	--	753 018 622	9.900	286	48	25,4
315	--	753 018 623	13.500	321	48	28,6
355	--	753 018 674	20.700	380	15	32,2
400	--	753 018 675	30.500	435	25	36,3

Bends 90°, PE100 S8,3/SDR17,6 - Type B

Model:

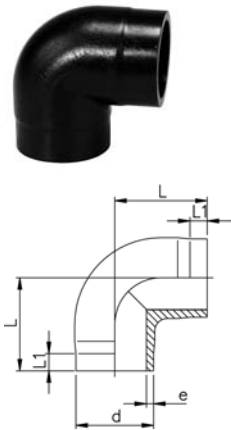
- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100
- Bends with new geometry
- Injection moulding process optimised for PE100



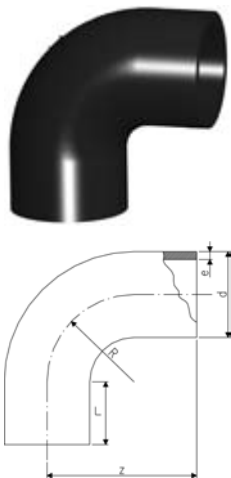
d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
75	IR	753 018 737	0.172	100	20	4,3
90	IR	753 018 738	0.243	100	20	5,1
110	IR	753 018 739	0.522	141	20	6,3
125	IR	753 018 590	0.590	140	15	7,1
140	IR	753 018 591	1.180	155	15	8,0
160	IR	753 018 592	1.750	175	15	9,1
180	IR	753 018 593	2.670	195	15	10,2
200	IR	753 018 594	3.440	215	15	11,4
225	IR	753 018 595	4.790	245	15	12,8
250	--	753 018 521	4.700	256	48	14,2
280	--	753 018 522	6.500	286	48	15,9
315	--	753 018 523	9.200	321	48	17,9
355	--	753 018 549	13.000	380	15	20,1
400	--	753 018 550	19.700	435	25	22,7

Elbows 90°, PE100 S5/SDR11**Model:**

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

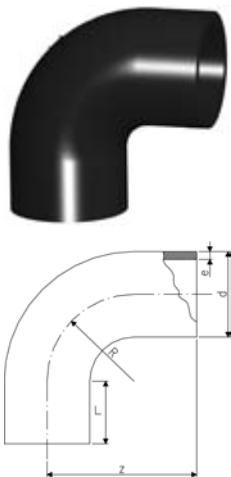


d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]	
20	IR	753 108 606	0.009	38	25	1,9	
25	IR	753 108 607	0.014	42	26	2,3	
32	IR	753 108 608	0.025	46	27	2,9	
40	IR	753 108 609	0.049	51	22	3,7	
50	IR	753 108 610	0.087	58	23	4,6	
63	IR	753 108 611	0.152	66	21	5,8	

**Bends 90°, PE100 S5/SDR11 - 0.75d****Model:**

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

d [mm]	FM	Code	kg	z [mm]	L [mm]	R [mm]	e [mm]	
20	IR	753 018 706	0.007	38	23	15	1.9	
25	IR	753 018 707	0.012	42	23	19	2.3	
32	IR	753 018 708	0.022	46	22	24	2.9	
40	IR	753 018 709	0.038	51	21	30	3.7	
50	IR	753 018 710	0.066	58	21	37	4.6	
63	IR	753 018 711	0.118	66	21	45	5.8	

**Bends 90°, PE100 S8,3/SDR17,6 - 0.75d****Model:**

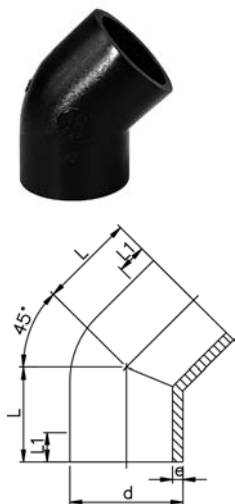
- Conventional butt-welding according to DVS 2207 part 11

d [mm]	Code	kg	z [mm]	L [mm]	R [mm]	e [mm]	
50	753 018 635	0.052	58	21	37	2.9	
63	753 018 636	0.084	66	21	45	3.6	

53 15 86

Elbows 45°, PE100 S5/SDR11**Model:**

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

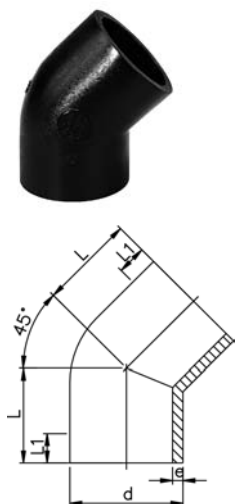


d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]	
20	IR	753 158 606	0.008	32	24	1,9	
25	IR	753 158 607	0.013	34	25	2,3	
32	IR	753 158 608	0.021	36	25	2,9	
40	IR	753 158 609	0.037	39	25	3,7	
50	IR	753 158 610	0.059	42	26	4,6	
63	IR	753 158 611	0.104	47	29	5,8	
75	IR	753 158 612	0.147	49	29	6,8	
90	IR	753 158 613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

53 15 85

Elbows 45°, PE100 S8,3/SDR17,6**Model:**

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100
- Machined from S5/SDR11

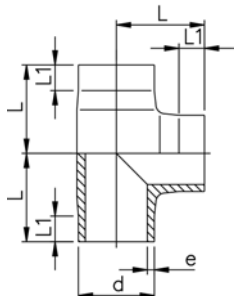


d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]	
50	--	753 158 535	0.045	42	26	2,9	
63	--	753 158 536	0.091	47	29	3,6	
75	--	753 158 537	0.128	49	29	4,3	
90	--	753 158 538	0.208	57	34	5,1	
110	IR	753 158 539	0.398	70	43	6,3	
125	IR	753 158 540	0.570	79	48	7,1	
140	IR	753 158 541	0.825	88	55	8,0	
160	IR	753 158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

53 20 86

Tees 90° equal, PE100 S5/SDR11**Model:**

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

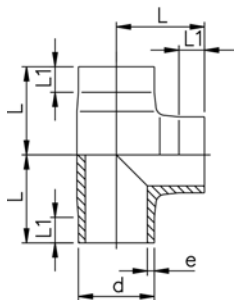


d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
20	IR	753 208 606	0.013	38	24	1,9
25	IR	753 208 607	0.021	42	26	2,3
32	IR	753 208 608	0.042	46	26	2,9
40	IR	753 208 609	0.067	51	22	3,7
50	IR	753 208 610	0.114	58	22	4,6
63	IR	753 208 611	0.203	66	21	5,8
75	IR	753 208 612	0.310	75	20	6,8
90	IR	753 208 613	0.564	90	20	8,2
110	IR	753 208 614	1.020	110	20	10,0
125	IR	753 208 615	1.514	125	25	11,4
140	IR	753 208 616	2.111	140	28	12,7
160	IR	753 208 617	3.095	160	28	14,6
180	IR	753 208 668	4.560	190	70	16,4
200	IR	753 208 619	6.037	200	35	18,2
225	IR	753 208 620	8.090	220	35	20,5
250	--	753 208 671	12.208	272	90	22,7
280	--	753 208 672	17.831	313	108	25,4
315	--	753 208 673	25.742	348	114	28,6
355	--	753 208 674	31.900	345	100	32,2
400	--	753 208 675	39.200	360	102	36,3

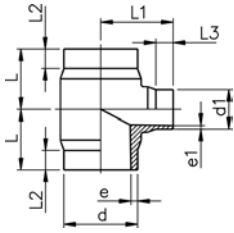
53 20 85

Tees 90° equal, PE100 S8,3/SDR17,6**Model:**

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100



d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
50	--	753 208 535	0.090	59	26	2,9
63	--	753 208 536	0.160	71	25	3,6
75	--	753 208 537	0.263	85	28	4,3
90	--	753 208 538	0.438	100	23	5,1
110	IR	753 208 539	0.763	120	43	6,3
125	IR	753 208 540	1.066	124	27	7,1
140	IR	753 208 541	1.449	141	33	8,0
160	IR	753 208 542	2.240	160	40	9,1
180	IR	753 208 543	3.176	190	70	10,2
200	IR	753 208 544	4.360	210	70	11,4
225	IR	753 208 545	6.030	238	80	12,8
250	--	753 208 546	8.610	272	90	14,2
280	--	753 208 547	11.660	313	108	15,9
315	--	753 208 548	16.230	348	114	17,9
355	--	753 208 549	21.900	345	100	20,1
400	--	753 208 550	27.700	360	102	22,7

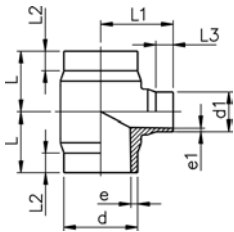


Tees 90°, reduced, PE100 S5/SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

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



Tees 90°, reduced, PE100 S8,3/SDR17,6

Model:

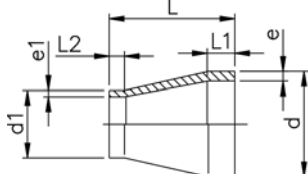
- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

* Branch SDR11

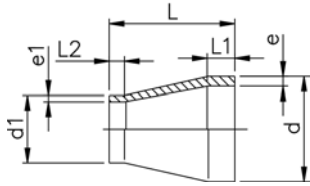
d	d1	FM	Code	kg	L	L1	L2	L3	e	e1	
[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
*63	32	--	753 208 301	0.157	65	70	25	25	3,6	2,9	
63	50	--	753 208 302	0.158	65	70	25	25	3,6	2,9	
*75	32	--	753 208 303	0.240	70	75	25	25	4,3	2,9	
75	50	--	753 208 304	0.250	70	75	25	25	4,3	2,9	
75	63	--	753 208 305	0.257	70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

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100



d	d1	FM	Code	kg	L	L1	L2	e	e1	
[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]	
25	20	IR	753 908 637	0.007	50	20	18	2,3	1,9	
32	20	IR	753 908 642	0.010	50	20	18	2,9	1,9	
32	25	IR	753 908 641	0.011	50	20	18	2,9	2,3	
40	20	IR	753 908 648	0.016	58	20	20	3,7	1,9	
40	25	IR	753 908 647	0.017	55	20	18	3,7	2,3	
40	32	IR	753 908 646	0.019	55	20	18	3,7	2,9	
50	25	IR	753 908 654	0.025	60	20	18	4,6	2,3	
50	32	IR	753 908 653	0.028	60	20	18	4,6	2,9	
50	40	IR	753 908 652	0.032	60	20	18	4,6	3,7	
63	32	IR	753 908 660	0.046	65	20	18	5,8	2,9	
63	40	IR	753 908 659	0.051	65	20	18	5,8	3,7	
63	50	IR	753 908 658	0.056	65	20	18	5,8	4,6	
75	40	IR	753 908 666	0.070	68	20	20	6,8	3,7	
75	50	IR	753 908 665	0.074	65	20	18	6,8	4,6	
75	63	IR	753 908 664	0.083	65	20	18	6,8	5,8	
90	63	IR	753 908 671	0.127	75	21	17	8,2	5,8	
90	75	IR	753 908 670	0.132	75	22	17	8,2	6,8	
110	75	IR	753 908 677	0.226	90	28	17	10,0	6,8	
110	90	IR	753 908 676	0.239	90	28	20	10,0	8,2	
125	110	IR	753 908 680	0.345	100	32	26	11,4	10,0	
140	110	IR	753 908 685	0.436	110	35	28	12,7	10,0	
140	125	IR	753 908 684	0.478	110	35	28	12,7	11,4	
160	110	IR	753 908 690	0.608	120	40	25	14,6	10,0	
160	140	IR	753 908 688	0.671	120	40	33	14,6	12,7	
180	90	IR	753 908 877	0.678	157	45	22	16,4	8,2	
180	110	IR	753 908 878	0.556	157	45	28	16,4	10,0	
180	125	IR	753 908 879	0.528	136	45	32	16,4	11,4	
180	140	IR	753 908 880	0.524	136	45	35	16,4	12,7	
180	160	IR	753 908 881	0.537	136	45	40	16,4	14,6	
200	160	IR	753 908 692	1.266	150	50	35	18,2	14,6	
200	180	IR	753 908 883	0.715	151	50	45	18,2	16,4	
225	110	IR	753 908 695	1.447	171	55	45	20,5	10,0	
225	160	IR	753 908 696	1.546	160	55	37	20,5	14,6	
225	180	IR	753 908 885	1.970	171	55	45	20,5	16,4	
225	200	--	753 908 697	1.737	160	55	48	20,5	18,2	
250	160	--	753 908 890	2.314	194	60	40	22,7	14,6	
250	225	--	753 908 887	2.595	182	60	55	22,7	20,5	
280	225	--	753 908 892	1.908	105	30	20	25,4	20,5	
280	250	--	753 908 891	1.390	70	30	18	25,4	22,7	
315	225	--	753 908 897	2.797	130	30	30	28,6	20,5	
315	250	--	753 908 896	2.370	100	30	20	28,6	22,7	
315	280	--	753 908 895	1.590	63	30	18	28,6	25,4	
355	250	--	753 908 863	4.400	130	54	40	32,3	22,7	
355	280	--	753 908 862	4.100	120	53	40	32,2	25,4	
355	315	--	753 908 861	3.700	110	53	40	32,2	28,6	
400	315	--	753 908 866	5.300	120	50	40	36,3	28,6	
400	355	--	753 908 865	10.000	110	51	40	36,3	32,2	



Reducers, PE100 S8,3/SDR17,6

Model:

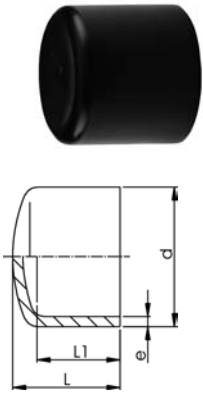
- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

d [mm]	d1 [mm]	FM	Code	kg	L [mm]	L1 [mm]	L2 [mm]	e [mm]	e1 [mm]	
50	40	--	753 908 926	0.010	55	12	12	2,9	2,3	
63	40	--	753 908 927	0.020	65	16	12	3,6	2,3	
63	50	--	753 908 928	0.020	65	16	12	3,6	2,9	
75	40	--	753 908 904	0.041	71	19	12	4,3	2,3	
75	50	--	753 908 903	0.042	71	19	12	4,3	2,9	
75	63	--	753 908 902	0.039	71	19	16	4,3	3,6	
90	63	--	753 908 906	0.074	80	22	16	5,1	3,6	
90	75	--	753 908 905	0.062	80	22	19	5,1	4,3	
110	75	--	753 908 909	0.108	97	28	19	6,3	4,3	
110	90	--	753 908 908	0.097	97	28	22	6,3	5,1	
125	110	IR	753 908 912	0.151	108	32	28	7,1	6,3	
140	110	IR	753 908 917	0.144	115	35	28	8,0	6,3	
140	125	IR	753 908 916	0.150	115	35	32	8,0	7,1	
160	110	IR	753 908 922	0.287	124	40	28	9,1	6,3	
160	140	IR	753 908 920	0.245	124	40	35	9,1	8,0	
180	90	IR	753 908 975	0.445	157	45	22	10,2	5,1	
180	110	IR	753 908 976	0.367	157	45	28	10,2	6,3	
180	125	IR	753 908 977	0.347	136	45	32	10,2	7,1	
180	140	IR	753 908 978	0.344	136	45	35	10,2	8,0	
180	160	IR	753 908 979	0.351	136	45	40	10,2	9,1	
200	160	IR	753 908 931	0.835	151	50	40	11,4	9,1	
200	180	IR	753 908 981	0.467	151	50	45	11,4	10,2	
225	110	IR	753 908 938	1.295	160	55	35	12,8	6,3	
225	160	IR	753 908 933	0.620	171	55	40	12,8	9,1	
225	180	IR	753 908 985	0.601	171	55	45	12,8	10,2	
225	200	IR	753 908 932	0.614	171	55	50	12,8	11,4	
250	160	--	753 908 939	0.975	194	60	40	14,2	9,1	
250	225	--	753 908 937	0.681	182	60	55	14,2	12,8	
280	225	--	753 908 944	1.180	105	30	20	15,9	12,8	
280	250	--	753 908 943	0.858	70	30	18	15,9	14,2	
315	225	--	753 908 950	1.715	130	30	20	17,9	12,8	
315	250	--	753 908 949	1.446	100	30	20	17,9	14,2	
315	280	--	753 908 999	1.047	63	30	18	17,9	15,9	
355	250	--	753 908 859	3.000	130	54	40	20,1	14,2	
355	280	--	753 908 858	2.700	120	53	40	20,1	15,9	
355	315	--	753 908 857	2.400	110	53	40	20,1	17,9	
400	315	--	753 908 872	3.600	120	50	40	22,7	17,9	
400	355	--	753 908 871	3.100	110	51	40	22,7	20,1	

End Caps, PE100 S5/SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100

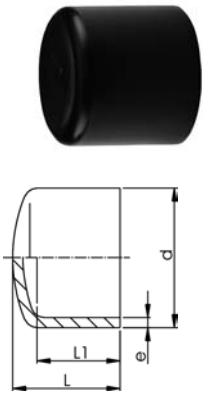


d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
20	IR	753 968 931	0.004	42	30	1,9
25	IR	753 968 932	0.005	50	35	2,3
32	IR	753 968 933	0.010	55	40	2,9
40	IR	753 968 934	0.018	65	45	3,7
50	IR	753 968 935	0.029	70	50	4,6
63	IR	753 968 936	0.049	80	55	5,8
75	IR	753 968 937	0.065	90	60	6,8
90	IR	753 968 938	0.107	105	70	8,2
110	IR	753 968 939	0.174	120	80	10,0
125	IR	753 968 940	0.210	50	25	11,4
140	IR	753 968 941	0.323	60	30	12,7
160	IR	753 968 942	0.570	76	40	14,6
180	IR	753 968 943	0.730	125	88	16,4
200	IR	753 968 944	1.060	100	50	18,2
225	IR	753 968 945	1.365	103	60	20,5
250	--	753 968 946	3.600	205	130	22,7
280	--	753 968 947	5.000	230	139	25,4
315	--	753 968 948	6.600	255	150	28,6
355	--	753 968 949	9.800	280	165	32,2
400	--	753 968 950	13.700	310	180	36,3

End Caps, PE100 S8,3/SDR17,6

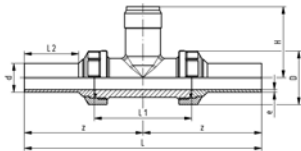
Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PE100



d [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
50	--	753 968 910	0.040	75	53	2,9
63	--	753 968 911	0.070	85	58	3,6
75	--	753 968 912	0.045	90	60	4,3
90	--	753 968 913	0.073	105	70	5,1
110	IR	753 968 914	0.118	120	80	6,3
125	IR	753 968 915	0.176	50	25	7,1
140	IR	753 968 916	0.194	60	30	8,0
160	IR	753 968 917	0.408	76	40	9,1
180	IR	753 968 918	0.500	125	88	10,2
200	IR	753 968 919	0.730	100	50	11,4
225	IR	753 968 920	0.965	103	60	12,8
250	--	753 968 921	2.400	205	130	14,2
280	--	753 968 922	3.400	230	139	15,9
315	--	753 968 923	4.500	255	150	17,9
355	--	753 968 924	6.500	280	165	20,1
400	--	753 968 925	9.300	310	180	22,7

Installation Fitting Type 318, PE100
for Butt Fusion Systems metric



Model:

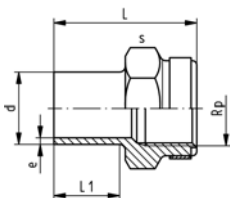
- For Signet Paddlewheel Sensors Type -X0 (104 mm)
- Body and union nut PP-H
- Union end with butt fusion spigot PE100

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

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

Adaptor Fittings for Butt Fusion

Adaptor Sockets, PE100 metric - Rp

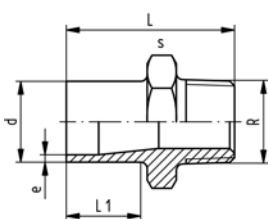


Model:

- With butt fusion spigot **SDR11** and BSP parallel female thread Rp, reinforced
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- Do not use thread sealing pastes that are harmful to PE

d [mm]	Rp [inch]	FM	Code	kg	L [mm]	L1 [mm]	s [mm]	e [mm]
20	½	IR	753 910 266	0.018	48	23	32	1,9
25	¾	IR	753 910 267	0.022	50	23	36	2,3
32	1	IR	753 910 268	0.039	54	23	46	2,9
40	1 ¼	IR	753 910 269	0.068	56	23	55	3,7
50	1 ½	IR	753 910 270	0.087	60	23	65	4,6
63	2	IR	753 910 271	0.140	62	23	80	5,8

Adaptor Nipples, PE100 metric - R

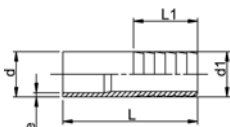


Model:

- With butt fusion spigot and BSP tapered male thread
- Connection to plastic thread only
- Do not use thread sealing pastes that are harmful to PE

d [mm]	R [inch]	Code	kg	L [mm]	L1 [mm]	s [mm]	e [mm]
20	½	753 910 556	0.014	51	23	32	1,9
25	¾	753 910 557	0.026	52	23	36	2,3
32	1	753 910 558	0.029	55	23	46	3,0
40	1 ¼	753 910 559	0.043	58	23	55	3,7
50	1 ½	753 910 560	0.064	60	23	65	4,6
63	2	753 910 561	0.140	67	26	80	5,8

Hose Connector, PE100 metric

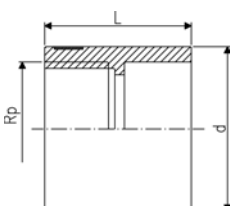


Model:

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

d [mm]	d1 [mm]	FM	Code	kg	L [mm]	L1 [mm]	e [mm]
20	20	IR	753 968 606	0.008	64	27	1,9
25	25	IR	753 968 607	0.013	75	36	2,3
32	32	IR	753 968 608	0.021	82	36	2,9
40	40	IR	753 968 609	0.034	84	42	3,7
50	50	IR	753 968 610	0.056	90	48	4,6
63	60	IR	753 968 611	0.095	100	50	5,8

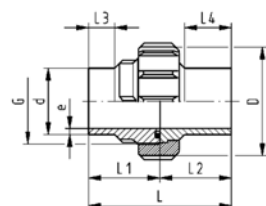
PE Adaptor Female thread



- **PE 80 SDR 11** (ISO S5)
- 5 bar Gas / 12,5 bar Water
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- For ELGEF® Plus Branch Saddle (53 131 000) d 63 - 400 mm, pipe SDR 11, d 75 - 400 mm, pipe SDR 17
- Parallel female thread

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

Unions for Butt Fusion



Unions, PE100 S5/SDR11

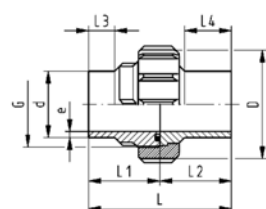


Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00
- **For the dimensions d75-110 please see instructions for the installation**

d [mm]	PN	FM	EPDM Code	FPM Code	kg
20	16	IR	753 518 606	753 528 606	0.042
25	16	IR	753 518 607	753 528 607	0.052
32	16	IR	753 518 608	753 528 608	0.083
40	16	IR	753 518 609	753 528 609	0.151
50	16	IR	753 518 610	753 528 610	0.196
63	16	IR	753 518 611	753 528 611	0.364
75	10	IR	753 518 612	753 528 612	0.520
90	10	IR	753 518 613	753 528 613	0.540
110	10	IR	753 518 614	753 528 614	0.760

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



Unions, PE100 S8,3/SDR17,6



Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00
- **For the dimensions d75-110 please see instructions for the installation**

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

d [mm]	D [mm]	G [inch]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
75	135	S107,5x3,6	132	66	24	4,3
90	135	S107,5x3,6	131	66	24	5,1
110	158	S127,5x3,6	131	66	5	6,3

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

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

Caution

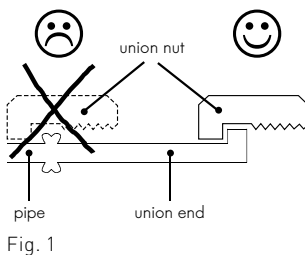
- ① The threads of the union nut and bush have been reworked for PP, PVDF and PE! When using individual parts, please check prior to installation if the threads of the union bush and the union nut coincide.



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

Tip

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

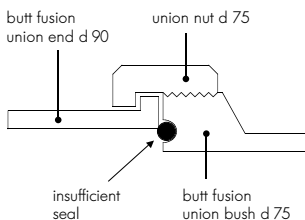


- ② For the dimensions d 90 and d 110 we advise fusing the complete union, if possible (or slide the union nut to the collar of the union end) because after fusion the union nut cannot be slid over the fusion bead. (Fig. 1)
- ③ For design reasons, it is theoretically possible to combine different nominal diameters of union ends and nuts. To make sure combinations are technically correct, you can find the code numbers of the single parts and spare parts for each union in the Tables 1-3.

Caution

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

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



Markings on the union nuts

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

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

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

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

Tip

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

Selection tables for single parts and spare parts



Butt fusion

Socket fusion

Table 1

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

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

Table 2

Single parts for **PE 100** unions d 75, d 90 and d 110

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

Table 3

O-Rings for PP-H, PE 100

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

* Union nuts overlap several dimensions

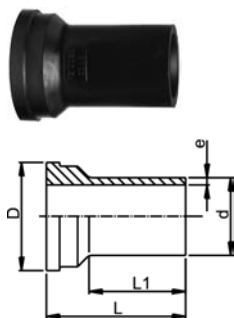
¹ Flange adaptor O-rings, one size smaller in nominal dimensions, are used for the d 75–110 butt-fusion unions

53 60 86

Union Ends, PE100 SDR11

Model:

- Suitable for unions, tank connectors and diaphragm valves Type 314
- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- **For the dimensions d75-110 please see instructions for the installation**

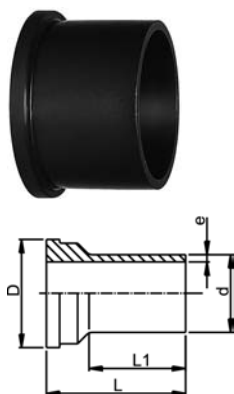


d [mm]	PN	FM	Code	kg	D [mm]	L [mm]	L1 [mm]	e [mm]	
20	16	IR	753 608 606	0.011	30	54	38	1,9	
25	16	IR	753 608 607	0.018	39	57	42	2,3	
32	16	IR	753 608 608	0.027	45	60	41	2,9	
40	16	IR	753 608 609	0.045	57	63	42	3,7	
50	16	IR	753 608 610	0.062	63	66	44	4,6	
63	16	IR	753 608 611	0.100	78	69	45	5,8	
75	10	IR	753 608 612	0.147	101	66	34	6,8	
90	10	IR	753 608 613	0.156	101	66	45	8,2	
110	10	IR	753 608 614	0.226	121	66	40	10,0	

Union Ends, PE100 SDR17,6

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- **For the dimensions d75-110 please see instructions for the installation**

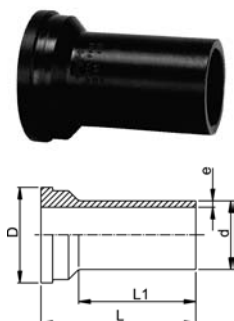


d [mm]	PN	FM	Code	kg	D [mm]	L [mm]	L1 [mm]	e [mm]	
75	10	-	753 608 412	0.125	101	66	34	4,3	
90	10	-	753 608 413	0.128	101	66	45	5,1	
110	10	IR	753 608 414	0.178	121	66	40	6,3	

Union Ends long, PE100

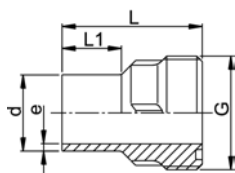
Model:

- For butt-, IR Plus® and electro fusion
- Suitable for unions, tank connectors and diaphragm valves Type 314



d [mm]	PN	FM	Code	kg	D [mm]	L [mm]	L1 [mm]	e [mm]	
20	16	IR	753 608 616	0.011	30	67	52	1,9	
25	16	IR	753 608 617	0.018	39	71	53	2,3	
32	16	IR	753 608 618	0.027	45	73	55	2,9	
40	16	IR	753 608 619	0.045	57	81	60	3,7	
50	16	IR	753 608 620	0.062	63	87	66	4,6	
63	16	IR	753 608 621	0.100	78	93	70	5,8	

53 64 86

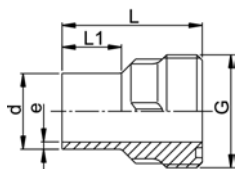


Union Bushes, PE100 SDR11

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00
- D75-110 with new thread geometry, now rated PN10 up to d110
- **For the dimensions d75-110 please see instructions for the installation**

d [mm]	PN	FM	Code	kg	G [inch]	L [mm]	L1 [mm]	e [mm]
20	16	IR	753 648 606	0.016	1	54	26	1,9
25	16	IR	753 648 607	0.025	1 1/4	57	26	2,3
32	16	IR	753 648 608	0.035	1 1/2	60	25	2,9
40	16	IR	753 648 609	0.056	2	63	25	3,7
50	16	IR	753 648 610	0.078	2 1/4	66	25	4,6
63	16	IR	753 648 611	0.120	2 3/4	69	25	5,8
75	10	IR	753 648 612	0.183	S107,5x3,6	66	24	6,8
90	10	IR	753 648 613	0.195	S107,5x3,6	66	24	8,2
110	10	IR	753 648 614	0.275	S127,5x3,6	66	25	10



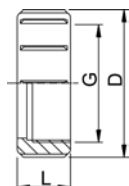
Union Bushes, PE100 SDR17,6

Model:

- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared- (IR Plus®) compatible.
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00
- D75-110 with new thread geometry, now rated PN10 up to d110
- **For the dimensions d75-110 please see instructions for the installation**

d [mm]	PN	FM	Code	kg	G [inch]	L [mm]	L1 [mm]	e [mm]
75	10	--	753 648 412	0.161	S107.5x3.6	66	24	4,3
90	10	--	753 648 413	0.164	S107.5x3.6	66	24	5,1
110	10	IR	753 648 414	0.221	S127.5x3.6	66	25	6,3

33 69 04



Union Nuts, PE-GF

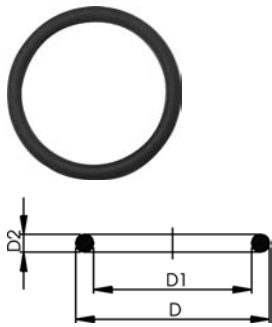
Model:

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

* PP glass fibre reinforced

d-d [mm]	Code	kg	G [inch]	D [mm]	L [mm]
20 -	733 690 406	0.029	1	48	24
25 -	733 690 407	0.032	1 1/4	58	26
32 -	733 690 408	0.042	1 1/2	65	28
40 -	733 690 409	0.068	2	79	31
50 -	733 690 410	0.097	2 1/4	91	35
63 -	733 690 411	0.166	2 3/4	111	39
*75 - 90	727 690 442	0.202	S107,5x3,6	135	40
*90 - 110	727 690 443	0.289	S127,5x3,6	158	43

EPDM 48 41 00
FPM 49 41 00

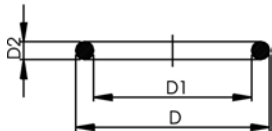


O-Ring Gaskets

Model:

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

d [mm]	DN [mm]	EPDM Code	FPM Code	kg	D [mm]	D1 [mm]	D2 [mm]	
20	15	748 410 006	749 410 006	0.002	27	20	4	
25	20	748 410 007	749 410 007	0.002	35	28		
32	25	748 410 008	749 410 008	0.002	40	33	4	
40	32	748 410 009	749 410 009	0.006	51	41	5	
50	40	748 410 010	749 410 010	0.007	58	47	5	
63	50	748 410 011	749 410 011	0.010	70	60	5	



O-Ring Gasket, FPM black

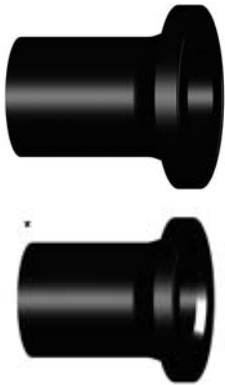
Model:

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

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

Flange Adaptors, Flanges and Gaskets for Butt Fusion

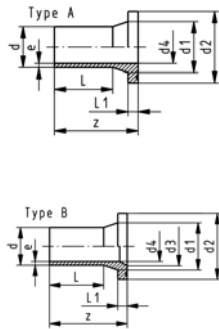
Flange Adaptor LS, PE100 SDR11 Combined Jointing Face: Flat and serrated



Model:

- For butt-, IR Plus® and electro fusion
- Suitable for flange connections to metric (from d110 also to ANSI/ASME B16.5)
- Up to d315, suitable for butterfly valve type 567, 568 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 10 bar Gas / 16 bar Water

* Type B with chamfer



d	DN	FM	Code	kg	z	d1	d2	d3	d4	L	L1	e
[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
20	15	IR	753 800 006	0.022	85	27	45		16	41	7	1.9
25	20	IR	753 800 007	0.034	85	33	58		20	41	9	2.3
32	25	IR	753 800 008	0.051	85	40	68		26	44	10	3.0
40	32	IR	753 800 009	0.076	85	50	78		32	49	11	3.7
50	40	IR	753 800 010	0.107	104	61	88		40	55	12	4.6
63	50	IR	753 800 011	0.174	98	75	102		51	65	14	5.8
*75	65	IR	753 800 012	0.301	125	89	122	66	61	75	16	6.8
*90	80	IR	753 800 013	0.441	140	105	138	78	73	85	17	8.2
*110	100	IR	753 800 014	0.685	160	125	158	100	90	90	18	10.0
*125	100	IR	753 800 015	0.836	170	132	158	114	102	95	25	11.4
*140	125	IR	753 800 016	1.295	200	155	188	127	114	92	25	12.7
*160	150	IR	753 800 017	1.644	200	175	212	151	130	110	25	14.6
*180	150	IR	753 800 018	1.873	200	180	212	158	147	115	30	16.4
*200	200	IR	753 800 019	2.758	200	232	268	203	163	120	32	18.2
*225	200	IR	753 800 020	2.972	200	235	268	210	184	130	32	20.5
*250	250		753 800 021	4.535	220	285	320	245	204	130	35	22.7
*280	250		753 800 022	4.925	220	291	320	265	229	139	35	25.4
*315	300		753 800 023	6.393	230	335	370	300	257	150	35	28.6
*355	350		753 800 024	10.400	250	373	430	340	290	165	40	32.3
*400	400		753 800 025	14.600	280	427	482	385	327	180	46	36.4
*450	500		753 800 026	24.800	333	514	585	400	368	195	60	40.9
*500	500		753 800 027	27.400	350	530	585	440	409	212	60	45.5
*560	600		753 800 028	38.000	365	615	685	490	458	230	60	50.9
*630	600		753 800 029	42.300	385	642	685	545	515	250	60	57.3



Flange Adaptor LS, PE100 SDR11

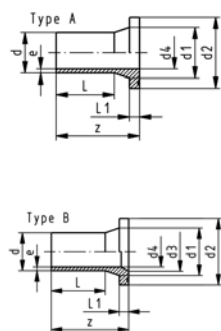
Combined Jointing Face: Flat and serrated



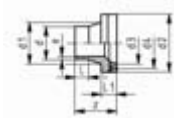
Model:

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

* Type B with chamfer



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



Flange Adaptors, PE100, S5/SDR11

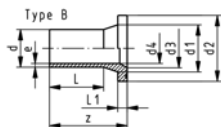
Jointing Face, combination serrated / flat metric for Butterfly Valves

Model:

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



d [mm]	DN [mm]	Code	kg	d1 [mm]	d2 [mm]	d3 [mm]	z [mm]	L [mm]	L1 [mm]	e [mm]	
355	350	753 798 824	7.800	373	430	346	156	40	75	32.2	
400	400	753 798 825	10.700	427	482	404	176	50	82	36.3	

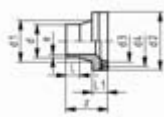


Flange Adaptors, PE100 S5/SDR11 Jointing Face, combination serrated / flat metric

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Up to d315, suitable for butterfly valve type 567, 568 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 10 bar Gas / 16 bar Water

d [mm]	DN [mm]	Code	kg	z [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	e [mm]	
250	250	753 798 826	2.420	120	285	320	245	204	45	35	22,7	
280	250	753 798 827	2.800	115	291	320	265	229	70	35	25,4	
315	300	753 798 828	3.350	120	335	370	300	257	55	35	28,6	
355	350	753 798 829	7.800	118	373	430	340	290	40	40	32,2	
400	400	753 798 830	10.700	140	427	482	385	327	55	46	36,3	
450	500	753 798 831	12.550	138	514	585	400	368	44	60	40,9	
500	500	753 798 832	11.780	138	530	585	440	409	48	60	45,4	
560	600	753 798 833	-	135	615	684	490	458	20	60	50,8	
630	600	753 798 834	-	135	642	684	545	516	40	60	57,2	

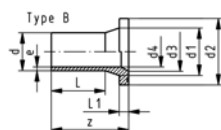
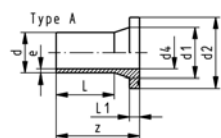


Flange Adaptor, PE100, S8.3/SDR17/17.6 Jointing face, combination serrated / flat metric

Model:

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

d [mm]	DN [mm]	Code	kg	d1 [mm]	d2 [mm]	d3 [mm]	z [mm]	L [mm]	L1 [mm]	e [mm]	
355	350	753 798 849	6.000	373	430	346	120	30	30	20.1	
400	400	753 798 850	8.100	427	482	404	120	42	33	22.7	



Flange Adaptors, PE100 S8,3/SDR 17/17.6 Jointing Face, combination serrated / flat metric

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Up to d315, suitable for butterfly valve type 567, 568 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 5 bar Gas / 10 bar Water

* Type B with chamfer

d [mm]	DN [mm]	Code	kg	z [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	e [mm]	
*250	250	753 798 851	1.830	120	285	320	245	220	56	25	14,8	
*280	250	753 798 852	1.830	120	291	320	265	246	68	25	16,6	
*315	300	753 798 853	1.830	120	335	370	300	277	60	25	18,7	
*355	350	753 798 854	6.000	120	373	430	340	312	55	30	21,1	
*400	400	753 798 855	8.100	140	427	482	385	352	67	33	23,7	
450	500	753 798 856	9.070	140	514	585		396	60	46	26,7	
500	500	753 798 857	7.870	140	530	585		440	45	46	29,7	
560	600	753 798 858	12.310	140	615	685		493	46	50	33,2	
630	600	753 798 859	10.520	140	642	685		555	60	50	37,4	



Flange Adaptor LS, PE100 SDR17/17.6

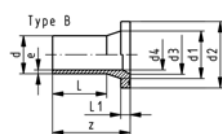
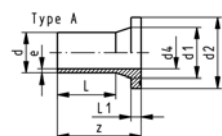
Combined Jointing Face: Flat and serrated



Model:

- For butt-, IR Plus® and electro fusion
- Suitable for flange connections to metric and ANSI B16.5
- Up to d315, suitable for butterfly valve type 567, 568 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 5 bar Gas / 10 bar Water

* Type B with chamfer



d	DN	FM	Code	kg	z	d1	d2	d3	d4	L	L1	e
[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
50	40	IR	753 800 085	0.110	104	61	88		44	55	12	3.0
63	50	IR	753 800 086	0.143	120	75	102		55	65	14	3.8
75	65	IR	753 800 087	0.246	130	89	122		66	75	16	4.5
90	80	IR	753 800 088	0.351	140	105	138		79	85	17	5.4
110	100	IR	753 800 089	0.531	160	125	158		96	90	18	6.6
*125	100	IR	753 800 090	0.629	170	132	158	114	110	95	25	7.4
*140	125	IR	753 800 091	0.973	200	155	188	127	123	92	25	8.3
*160	150	IR	753 800 092	1.257	200	175	212	158	141	110	25	9.5
180	150	IR	753 800 093	1.364	200	180	212		158	115	30	10.7
*200	200	IR	753 800 094	2.212	200	232	268	203	176	120	32	11.9
*225	200	IR	753 800 095	2.233	200	235	268	210	198	130	32	13.4
*250	250		753 800 096	3.595	220	285	320	245	220	130	35	14.8
*280	250		753 800 097	3.355	220	291	320	265	246	139	35	16.6
*315	300		753 800 098	5.320	230	335	370	308	277	150	35	18.7
*355	350		753 800 099	7.300	250	373	430	340	312	165	40	21.1
*400	400		753 800 100	10.300	280	427	482	385	352	180	46	23.7
450	500		753 800 101	15.800	333	514	585		396	195	60	26.7
500	500		753 800 102	19.100	350	530	585		440	212	60	29.7
560	600		753 800 103	27.500	365	615	685		493	230	60	33.2
630	600		753 800 104	30.000	385	642	685		555	250	60	37.4



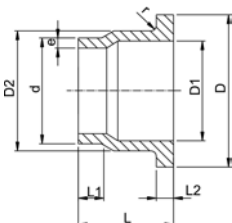
Outlet Flange Adaptors, PE80 S5/SDR11

Model:

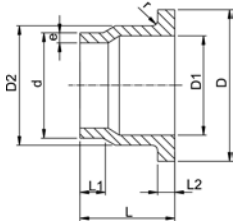
- Conventional butt-welding according to DVS 2207 part 11
- Suitable for wafer check valves Type 369

Attention:

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



d	DN	Code	kg	D	D1	D2	L	L1	L2	e	r
[mm]	[mm]			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
40	32	733 808 034	0.064	80	37	50	64	30	11	3,7	3
50	40	733 808 035	0.088	90	43	61	67	30	12	4,6	3
63	50	733 808 036	0.126	105	54	76	74	30	14	5,8	4
75	65	733 808 037	0.187	125	70	90	78	30	16	6,8	4
90	80	733 808 038	0.346	140	82	108	87	35	17	8,2	4
110	100	733 808 039	0.500	160	105	131	102	41	18	10,0	4
140	125	733 808 041	0.710	190	130	165	124	47	25	12,7	4
160	150	733 808 042	0.910	215	158	188	149	52	25	14,6	4
225	200	733 808 045	1.830	270	206	248	180	55	32	20,5	4
280	250	733 808 047	3.550	325	259	308	240	63	35	25,4	4
315	300	733 808 048	4.960	375	308	346	272	66	35	28,6	4



Outlet Flange Adaptors, PE80 S8,3/SDR17,6

Model:

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

Attention:

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

d [mm]	DN [mm]	Code	kg	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	r [mm]	
40	32	733 808 009	0.060	80	37	50	64	30	11	2,3	3	
50	40	733 808 010	0.067	90	43	61	67	30	12	2,9	3	
63	50	733 808 011	0.096	105	54	76	74	30	14	3,6	4	
75	65	733 808 012	0.170	125	70	90	78	30	16	4,3	4	
90	80	733 808 013	0.260	140	82	108	87	35	17	5,1	4	
110	100	733 808 014	0.355	160	105	131	102	41	18	6,3	4	
140	125	733 808 016	0.500	190	130	165	124	47	18	8,0	4	
160	150	733 808 017	0.630	215	158	188	149	52	18	9,1	4	
225	200	733 808 020	1.225	270	206	248	180	55	24	12,8	4	
280	250	733 808 022	2.230	325	259	308	240	63	25	15,9	4	
315	300	733 808 023	2.450	375	308	346	272	66	25	17,9	4	

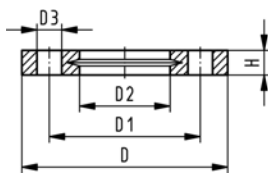
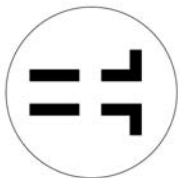
27 70 04
27 70 05

Backing Flanges, PP-V for Butt Fusion Systems metric

Model:

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

¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)
AL: number of holes



d [mm]	Inch	DN [mm]	PN	Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
20		15	16	727 700 406	0.080	95	65	28	14	16	4	M12	
25		20	16	727 700 407	0.100	105	75	34	14	17	4	M12	
32		25	16	727 700 408	0.140	115	85	42	14	18	4	M12	
40		32	16	727 700 409	0.220	140	100	51	18	20	4	M16	
50		40	16	727 700 410	0.210	150	110	62	18	22	4	M16	
63		50	16	727 700 411	0.380	165	125	78	18	24	4	M16	
75		65	16	727 700 412	0.480	185	145	92	18	26	4	M16	
90		80	16	727 700 513	0.520	200	160	108	18	27	8	M16	
110		100	16	727 700 514	0.680	220	180	128	18	28	8	M16	
125		100	16	727 700 515	0.760	220	180	135	18	28	8	M16	
140		125	16	727 700 516	0.800	250	210	158	18	30	8	M16	
160	6	150	16	727 700 517	1.200	285	241	178	22	32	8	M20	
180		150	16	727 700 518	1.200	285	240	188	22	32	8	M20	
200	8	200	16	727 700 519	1.400	340	295	235	22	34	8	M20	
225	9	200	16	727 700 520	1.400	340	295	238	22	34	8	M20	
250		250	16	727 700 521	1.700	395	350	288	22	38	12	M20	
280		250	16	727 700 522	1.700	395	350	294	22	38	12	M20	
315		300	16	727 700 523	2.400	445	400	338	22	42	12	M20	

27 70 04
27 70 05

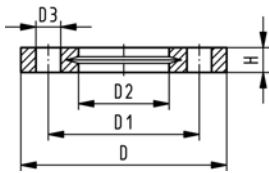
Backing Flanges, PP-V for Socket Systems metric

Model:

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

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

AL: number of holes



d [mm]	Inch	DN [mm]	PN	Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
20		15	16	727 700 406	0.080	95	65	28	14	16	4	M12
25		20	16	727 700 407	0.100	105	75	34	14	17	4	M12
32		25	16	727 700 408	0.140	115	85	42	14	18	4	M12
40		32	16	727 700 409	0.220	140	100	51	18	20	4	M16
50		40	16	727 700 410	0.210	150	110	62	18	22	4	M16
63		50	16	727 700 411	0.380	165	125	78	18	24	4	M16
75		65	16	727 700 412	0.480	185	145	92	18	26	4	M16
90		80	16	727 700 413	0.520	200	160	110	18	27	8	M16
110		100	16	727 700 414	0.680	220	180	133	18	28	8	M16
140		125	16	727 700 416	0.800	250	210	167	18	30	8	M16
160	6	150	16	727 700 417	1.200	285	241	190	22	32	8	M20
200		200	16	727 700 419	1.500	340	296	226	22	34	8	M20
225	8	200	16	727 700 420	1.400	340	295	250	22	34	8	M20
250		250	16	727 700 421	1.700	395	350	277	22	38	12	M20
280		250	16	727 700 422	1.700	395	350	310	22	38	12	M20
315		300	16	727 700 423	2.400	445	400	348	22	42	12	M20
355		350	10	727 700 424	3.000	515	460	388	22	46	16	M20
400		400	10	727 700 425	3.500	574	515	442	26	50	16	M24

27 70 14
27 70 15

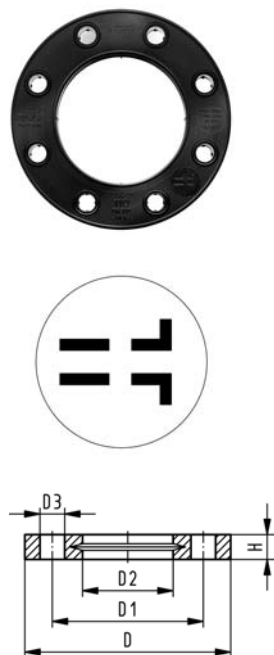
Backing Flanges, PP-V for Butt Fusion Systems Inch/ANSI

Model:

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

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

AL: number of holes



Inch	DN [mm]	PN	Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
1/2	15	16	727 701 406	0.080	95	60	28	16	16	4	M12	
3/4	20	16	727 701 407	0.100	105	70	34	16	17	4	M12	
1	25	16	727 701 408	0.140	115	79	42	16	18	4	M12	
1 1/4	32	16	727 701 409	0.220	140	89	51	16	20	4	M16	
1 1/2	40	16	727 701 410	0.210	150	98	62	16	22	4	M16	
2	50	16	727 701 411	0.380	165	121	78	19	24	4	M16	
2 1/2	65	16	727 701 412	0.480	185	140	92	19	26	4	M16	
3	80	16	727 701 513	0.520	200	152	108	19	27	4	M16	
4	100	16	727 701 514	0.680	229	190	128	19	28	8	M16	
6	150	16	727 700 517	1.200	285	241	178	22	32	8	M20	
8	200	16	727 700 519	1.400	340	295	235	22	34	8	M20	
9	200	16	727 700 520	1.400	340	295	238	22	34	8	M20	
10	250	16	727 701 521	1.800	406	362	288	26	38	12	M20	
10	250	16	727 701 522	1.700	406	362	294	26	38	12	M20	
12	300	16	727 701 523	2.400	483	432	338	26	42	12	M20	

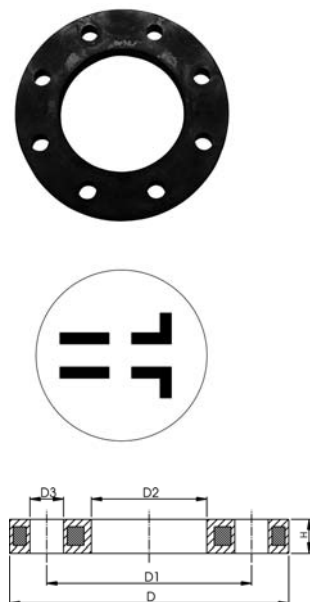
27 70 02
27 70 03

Backing Flanges, PP/Steel for Butt Fusion Systems metric

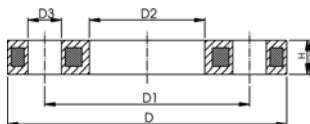
Model:

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

AL: number of holes



d [mm]	d [inch]	DN [mm]	PN	Code	kg	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
20		15	16	727 700 206	0.220	95	65	28	14	12	4	M12	
25		20	16	727 700 207	0.260	105	75	34	14	12	4	M12	
32		25	16	727 700 208	0.430	115	85	42	14	16	4	M12	
40		32	16	727 700 209	0.650	140	100	51	18	16	4	M16	
50		40	16	727 700 210	0.820	150	110	62	18	18	4	M16	
63		50	16	727 700 211	0.940	165	125	78	18	18	4	M16	
75		65	16	727 700 212	1.300	185	145	92	18	18	4	M16	
90		80	16	727 700 313	1.400	200	160	108	18	20	8	M16	
110		100	16	727 700 314	1.580	220	180	128	18	20	8	M16	
125		100	16	727 700 315	1.550	220	180	135	18	20	8	M16	
140		125	16	727 700 316	2.360	250	210	158	18	24	8	M16	
160	6	150	16	727 700 317	3.890	285	240	178	22	24	8	M20	
180		150	16	727 700 318	3.410	285	240	188	22	24	8	M20	
200		200	16	727 700 319	5.180	340	295	235	22	27	8	M20	
225		200	16	727 700 320	5.150	340	295	238	22	27	8	M20	



d	d	DN	PN	Code	kg	D	D1	D2	D3	H	AL	SC	
[mm]	[inch]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]			
250		250	16	727 700 321	6.680	395	350	288	22	30	12	M20	
280		250	16	727 700 322	6.580	395	350	294	22	30	12	M20	
315		300	16	727 700 323	8.420	445	400	338	22	34	12	M20	
355		350	16	727 700 324	15.790	515	460	376	22	40	16	M20	
400		400	16	727 700 325	19.320	574	515	430	26	40	16	M24	

27 70 12

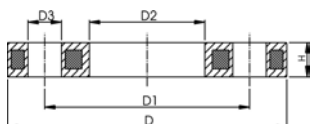
Backing Flanges, PP/Steel for Butt Fusion Systems Inch/ANSI

Model:

- Material: PP (30 % glass-fibre reinforced) with steel ring
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**

AL: number of holes

d	DN	d	PN	Code	kg	D1	D2	D3	D	H	AL	
[inch]	[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]		
½	15	20	16	727 701 206	0.210	60	28	16	95	12	4	
¾	20	25	16	727 701 207	0.250	70	34	16	105	12	4	
1	25	32	16	727 701 208	0.420	79	42	16	115	16	4	
1 ¼	32	40	16	727 701 209	0.670	89	51	16	140	16	4	
1 ½	40	50	16	727 701 210	0.860	98	62	16	150	18	4	
2	50	63	16	727 701 211	0.930	121	78	19	165	18	4	
2 ½	65	75	16	727 701 212	1.340	140	92	19	185	18	4	
3	80	90	16	727 701 313	1.550	152	108	19	200	20	4	
4	100	110	16	727 701 314	1.840	190	128	19	229	20	8	
6	150	160	16	727 700 317	3.890	240	178	22	285	24	8	
8	200	200	16	727 701 319	5.180	298	235	22	340	27	8	
8	200	225	16	727 701 320	5.150	298	238	22	340	27	8	



27 70 12

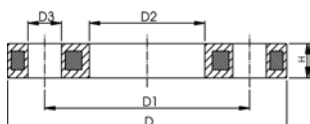
Backing Flanges, PP/Steel for Socket Systems Inch/ANSI

Model:

- For Flange Adaptors BS/ANSI
- Material: PP (30 % glass-fibre reinforced) with steel ring
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**
- DN100 and DN150: only for use with original metric flange adaptors

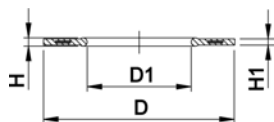
AL: number of holes

d	DN	d	PN	Code	kg	D1	D2	D3	D	H	AL	
[inch]	[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]		
½	15	20	16	727 701 206	0.210	60	28	16	95	12	4	
¾	20	25	16	727 701 207	0.250	70	34	16	105	12	4	
1	25	32	16	727 701 208	0.420	79	42	16	115	16	4	
1 ¼	32	40	16	727 701 209	0.670	89	51	16	140	16	4	
1 ½	40	50	16	727 701 210	0.860	98	62	16	150	18	4	
2	50	63	16	727 701 211	0.930	121	78	19	165	18	4	
2 ½	65	75	16	727 701 212	1.340	140	92	19	185	18	4	
3	80	90	16	727 701 213	1.550	152	110	19	200	20	4	
4	100	110	16	727 701 214	1.810	190	133	19	229	20	8	
6	150	160	16	727 700 217	3.390	240	190	22	285	24	8	



EPDM 48 44 07
FPM 49 44 07

Profile Flange Gaskets metric EPDM / FPM



Model:

- For all GF Flange Adaptors
- Profile Gasket with steel insert (type G-ST-P/K)
- Hardness: 70° Shore **EPDM**, 75° Shore **FPM**
- Centering on the inner diameter of the screw crown

di FA are the suitable inner diameters of flange adaptors

d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	D [mm]	D1 [mm]	H [mm]	H1 [mm]	di FA [mm]
20	15	16	748 440 706	749 440 706	0.008	51	20	4	3	10 - 20
25	20	16	748 440 707	749 440 707	0.011	61	22	4	3	12 - 22
32	25	16	748 440 708	749 440 708	0.014	71	28	4	3	18 - 28
40	32	16	748 440 709	749 440 709	0.021	82	40	4	3	30 - 40
50	40	16	748 440 710	749 440 710	0.022	92	46	4	3	36 - 46
63	50	16	748 440 711	749 440 711	0.041	107	58	5	4	48 - 58
75	65	16	748 440 712	749 440 712	0.055	127	69	5	4	59 - 69
90	80	16	748 440 713	749 440 713	0.062	142	84	5	4	73 - 84
110	100	16	748 440 714	749 440 714	0.085	162	104	6	5	94 - 104
125	100	16	748 440 715	749 440 715	0.158	162	123	6	5	113 - 123
140	125	16	748 440 716	749 440 716	0.118	192	137	6	5	127 - 137
160 / 180	150	16	748 440 717	749 440 717	0.153	218	160	8	6	150 - 160
200	200	16	748 440 719	749 440 719	0.263	273	203	8	6	192 - 203
225	200	16	748 440 720	749 440 720	0.181	273	220	8	6	207 - 220
250	250	16	748 440 721	749 440 721	0.410	328	252	8	6	238 - 252
280	250	16	748 440 722	749 440 722	0.226	328	274	8	6	264 - 274
315	300	16	748 440 723	749 440 723	0.334	378	306	8	6	296 - 306
355	350	16	748 440 724	749 440 724	0.410	438	355	10	7	340 - 355
400	400	16	748 440 725	749 440 725	0.513	489	400	10	7	385 - 400
450	500	16	748 440 726	749 440 726	0.718	594	403	10	7	393 - 403
500	500	16	748 440 727	749 440 727	0.718	594	447	10	7	437 - 447
560	600	16	748 440 728	749 440 728	0.923	695	494	10	7	484 - 494
630	600	16	748 440 729	749 440 729	0.923	695	555	10	7	545 - 555