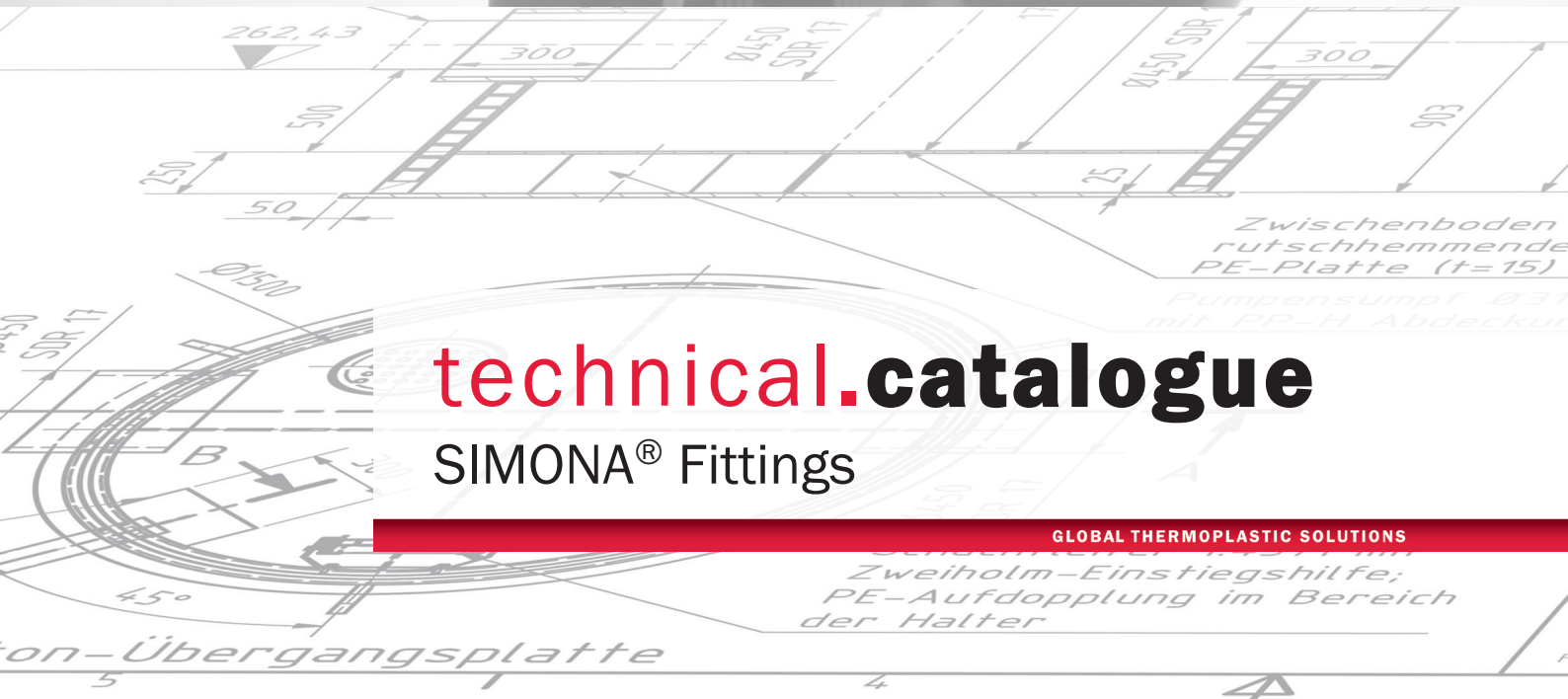


SIMONA



technical.catalogue

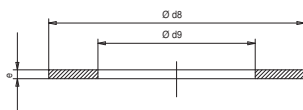
SIMONA® Fittings

GLOBAL THERMOPLASTIC SOLUTIONS

Zweiholm-Einstiegshilfe;
PE-Aufdopplung im Bereich
der Halter

Übergangsplatte

EPDM Flat gaskets for stub flanges



Product image for illustration purposes only.

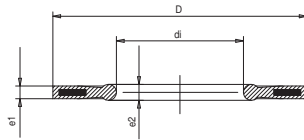
Product details:

- For stub flanges acc. to DIN EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP)
- Suitable for flange connections up to 6 bar, For pressure ratings > 6 bar we recommend profile gaskets with steel insert

SDR	d (mm)	DN (mm)	e (mm)	d8 (mm)	d9 (mm)	di (mm)	b (mm)	Da (mm)	kg/piece	Art. No.
11	20	15	3.0	45	16	16	3	45	0.005	016900015
11	25	20	3.0	58	20	20	3	58	0.010	016900034
11	32	25	3.0	68	26	26	3	68	0.012	016900016
11	40	32	3.0	78	33	31	3	78	0.016	016900017
11	50	40	3.0	88	41	41	3	88	0.020	016900018
11	63	50	3.0	102	51	51	3	102	0.029	016900019
11	75	65	3.0	122	61	61	3	122	0.036	016900020
11	90	80	3.0	138	74	74	3	138	0.044	016900021
11	110	100	3.0	158	90	90	3	158	0.050	016900022
11	125	100	3.0	125	102	102	3	125	0.047	016900023
11	140	125	3.0	188	114	114	3	188	0.070	016900024
11	160	150	3.0	212	131	131	3	212	0.082	016900025
11	180	150	3.0	212	147	147	3	212	0.072	016900026
11	200	200	3.0	268	164	164	3	268	0.134	016900027
11	225	200	3.0	268	184	184	3	268	0.127	016900028
11	250	250	3.0	320	204	204	3	320	0.200	016900029
11	280	250	3.0	320	229	229	3	320	0.158	016900030
11	315	300	3.0	370	258	258	3	370	0.224	016900031
11	355	350	3.0	430	300	300	3	430	0.285	016900032
11	400	400	3.0	482	350	350	3	482	0.370	016900033
11	450	500	3.0	585	375		3		0.611	016900046
11	500	500	3.0	585	415		3		0.620	016900082
11	560	600	3.0	684	465		3		1.000	016900083
11	630	600	3.0	684	520		3		0.290	016900078
17	50	40	3.0	88	44	41	3	88	0.020	016900047
17	63	50	3.0	102	56	51	3	102	0.022	016900048
17	75	65	3.0	122	66	61	3	122	0.035	016900049
17	90	80	3.0	138	80	74	3	138	0.043	016900050
17	110	100	3.0	158	97	90	3	158	0.050	016900051
17	125	100	3.0	158	111	102	3	125	0.040	016900052
17	140	125	3.0	188	124	114	3	188	0.060	016900053
17	160	150	3.0	212	142	131	3	212	0.080	016900054
17	180	150	3.0	212	160	147	3	212	0.055	016900055
17	200	200	3.0	268	177	164	3	268	0.140	016900056
17	225	200	3.0	268	199	184	3	268	0.108	016900057
17	250	250	3.0	320	222	204	3	320	0.168	016900058
17	280	250	3.0	320	248	229	3	320	0.120	016900059
17	315	300	3.0	370	279	258	3	370	0.180	016900060
17	355	350	3.0	430	315	300	3	430	0.280	016900061
17	400	400	3.0	482	354	350	3	482	0.346	016900062
17	450	500	3.0	584	405		3		0.570	016900084
17	500	500	3.0	584	450		3		0.542	016900087
17	560	600	3.0	684	505		3		0.345	016900088
17	630	600	3.0	684	565		3		0.480	016900089
17	710	700	3.0	800	635		3		0.725	016900090
17	800	800	3.0	905	715		3		1.030	016900091
17	900	900	3.0	1005	805		3		1.100	016900092
17	1000	1000	3.0	1110	890		3		1.250	016900093

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EPDM Profile gaskets for stub flanges for socket welding



Product details:

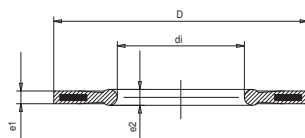
- black
- For stub flanges for socket welding acc. to DIN EN ISO 15494/B (PE) DIN EN ISO15494/C (PP)
- Suitable for flange connections up to PN 16

Product image for illustration purposes only.

d (mm)	e (mm)	e2 (mm)	di (mm)	PN (bar)	kg/piece	Art. No.
16	3.0	4	16	16	0.007	017000118
20	3.0	4	20	16	0.008	017000119
25	3.0	4	25	16	0.011	017000120
32	3.0	4	32	16	0.014	017000121
40	3.0	4	40	16	0.020	017000122
50	4.0	4	50	16	0.021	017000123
63	4.0	5	63	16	0.040	017000124
75	4.0	5	75	16	0.054	017000125
90	4.0	5	90	16	0.060	017000126
110	5.0	6	110	16	0.100	017000127

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EPDM Profile gaskets for stub flanges



Product details:

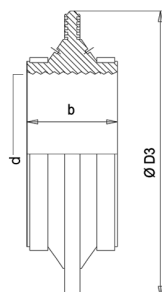
- black
- For stub flanges acc. to DIN EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP)
- Suitable for flange connections up to PN 16, Other dimensions on request

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	e2 (mm)	di (mm)	kg/piece	Art. No.
11	25	3.0	4	22	0.013	017000004
11	32	3.0	4	28	0.016	017000005
11	40	3.0	4	34	0.024	017000006
11	50	3.0	4	42	0.029	017000007
11	63	4.0	5	53	0.042	017000008
11	75	4.0	5	63	0.060	017000009
11	90	4.0	5	76	0.070	017000001
11	110	5.0	6	93	0.108	017000010
11	125	5.0	6	105	0.103	017000011
11	140	5.0	6	117	0.144	017000012
11	160	6.0	8	135	0.199	017000013
11	180	6.0	8	151	0.228	017000002
11	200	6.0	8	168	0.408	017000014
11	225	6.0	8	188	0.374	017000015
11	250	6.0	8	208	0.530	017000003
11	280	6.0	8	233	0.462	017000016
11	315	6.0	8	262	0.605	017000017
11	355	6.0	8	294	0.980	017000018
11	400	6.0	8	331	1.203	017000019
11	450	7.0	10	372	0.780	017000020
11	500	7.0	10	413	2.000	017000021
11	560	7.0	10	451	2.600	017000022
11	630	7.0	10	507	2.000	017000053
17	50	3.0	4	46	0.029	017000034
17	63	4.0	5	58	0.045	017000035
17	75	4.0	5	69	0.061	017000036
17	90	4.0	5	84	0.066	017000037
17	110	5.0	6	100	0.107	017000038
17	125	5.0	6	114	0.080	017000039
17	140	5.0	6	127	0.137	017000040
17	160	6.0	8	146	0.150	017000041
17	180	6.0	8	164	0.148	017000042
17	200	6.0	8	181	0.380	017000043
17	225	6.0	8	203	0.295	017000044
17	250	6.0	8	226	0.500	017000045
17	280	6.0	8	252	0.220	017000046
17	315	6.0	8	283	0.558	017000047
17	355	6.0	8	319	0.743	017000048
17	400	6.0	8	359	0.843	017000049
17	450	6.0	8	403	1.800	017000050
17	500	7.0	10	447	1.545	017000051
17	560	7.0	10	494	2.200	017000023
17	630	7.0	10	555	1.895	017000052
33	110	5.0	6	104	0.074	017000025
33	125	5.0	6	123	0.074	017000024
33	140	5.0	6	137	0.129	017000026
33	160	6.0	8	156	0.174	017000027
33	180	6.0	8	177	0.360	017000028
33	200	6.0	8	196	0.189	017000029
33	225	6.0	8	220	0.188	017000030
33	250	6.0	8	243	0.220	017000031
33	280	6.0	8	274	0.220	017000032
33	315	6.0	8	306	0.290	017000033

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EPDM Pipe collar wall seals



Product image for illustration purposes only.

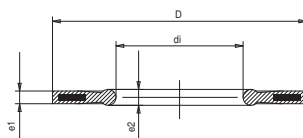
Product details:

- black
- with 2 stainless steel bandings and locks
- The secure sealing against water migrating into the soil up to 8 bars. The elastic pipe collar wall seal must not be used as a load bearing point.

d (mm)	D1 (mm)	D2 (mm)	D3 (mm)	b (mm)	kg/piece	Art. No.
32	29	47	127	60	0.200	018600007
40	38	56	136	60	0.250	018600024
50	48	66	146	60	0.270	018600008
63	60	78	158	60	0.310	018600001
75	71	89	169	60	0.340	018600009
90	84	102	182	60	0.460	018600010
110	105	123	203	60	0.464	018600002
125	120	138	218	60	0.720	018600011
140	120	138	218	60	0.540	018600012
160	154	172	252	60	0.880	018600003
180	175	193	273	60	0.980	018600013
200	195	213	293	60	1.100	018600014
225	215	235	315	60	0.880	018600015
250	245	263	343	60	0.900	018600016
280	275	293	373	60	1.440	018600017
315	310	328	408	60	1.150	018600004
355	352	375	435	75	1.750	018600018
400	395	420	480	75	2.020	018600019
450	442	470	530	75	2.120	018600005
500	480	520	580	75	2.260	018600020
560	547	580	640	75	2.950	018600006
630	613	650	710	75	3.040	018600021
710					3.500	018600025
800					3.895	018600022
900					2.555	018600026
1000					4.420	018600023

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FPM Profile gaskets for stub flanges for socket welding



Product details:

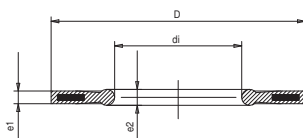
- black
- For stub flanges for socket welding acc. to DIN EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP) ISO 10931/3 (PVDF)
- Suitable for flange connections up to PN 16

Product image for illustration purposes only.

d (mm)	e (mm)	e2 (mm)	di (mm)	PN (bar)	Art. No.
16	3.0	4	16	16	017000129
20	3.0	4	20	16	017000109
25	3.0	4	25	16	017000110
32	3.0	4	32	16	017000111
40	3.0	4	40	16	017000112
50	4.0	4	50	16	017000113
63	4.0	5	63	16	017000114
75	4.0	5	75	16	017000115
90	4.0	5	90	16	017000116
110	5.0	6	110	16	017000117

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FPM Profile gaskets for stub flanges



Product image for illustration purposes only.

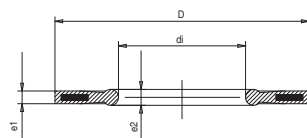
Product details:

- black
- For stub flanges acc. to DIN EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP) ISO 10931/3 (PVDF)
- Suitable for flange connections up to PN 16

d (mm)	e (mm)	e2 (mm)	di (mm)	PN (bar)	Art. No.
25	3.0	4	22	16	017000091
32	3.0	4	28	16	017000092
40	3.0	4	34	16	017000093
50	3.0	4	42	16	017000094
63	4.0	5	53	16	017000095
75	4.0	5	63	16	017000096
90	4.0	5	76	16	017000097
110	5.0	6	93	16	017000098
125	5.0	6	105	16	017000099
140	5.0	6	117	16	017000100
160	6.0	8	135	16	017000101
180	6.0	8	151	16	017000102
200	6.0	8	168	16	017000103
225	6.0	8	188	16	017000104
250	6.0	8	208	16	017000105
280	6.0	8	233	16	017000106
315	6.0	8	262	16	017000107
355	6.0	8	294	16	017000108
400	6.0	8	331	16	017000090
63	4.0	5	58	16	017000076
75	4.0	5	69	16	017000077
90	4.0	5	84	16	017000078
110	5.0	6	100	16	017000079
125	5.0	6	114	16	017000080
140	5.0	6	127	16	017000081
160	6.0	8	146	16	017000082
180	6.0	8	164	16	017000083
200	6.0	8	181	16	017000084
225	6.0	8	203	16	017000085
250	6.0	8	226	16	017000086
280	6.0	8	252	16	017000087
315	6.0	8	283	16	017000088
355	6.0	8	319	16	017000089
400	6.0	8	359	16	017000128

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FPM Profile gaskets for stub flanges



Product details:

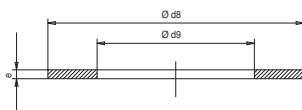
- black
- for stub flanges acc.to ISO 10931/3 (PVDF)
- Suitable for flange connections up to PN 16

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	e2 (mm)	di (mm)	PN (bar)	kg/piece	Art. No.
21	25	3.0	4	24	16	0.012	017000064
21	32	3.0	4	30	16	0.018	017000065
21	40	3.0	4	37	16	0.025	017000066
21	50	4.0	5	46	16	0.045	017000067
21	63	4.0	5	61	16	0.063	017000068
21	75	4.0	5	73	16	0.082	017000069
21	90	4.0	5	88	16	0.120	017000070
21	110	5.0	6	104	16	0.150	017000071
21	140	5.0	6	137	16	0.180	017000072
21	160	6.0	8	146	16	0.231	017000073
21	200	6.0	8	181	16	0.423	017000074
21	225	6.0	8	203	16	0.400	017000075
33	90	4.0	5	88	16	0.061	017000054
33	110	5.0	6	104	16	0.083	017000055
33	125	5.0	6	123	16	0.107	017000056
33	140	5.0	6	137	16	0.180	017000057
33	160	6.0	8	156	16	0.260	017000058
33	200	6.0	8	196	16	0.438	017000059
33	225	6.0	8	220	16	0.268	017000060
33	250	6.0	8	243	16	0.675	017000061
33	280	6.0	8	274	16	0.740	017000062
33	315	6.0	8	306	16	0.810	017000063

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FPM Flat gasket for stub flanges for socket welding



Product details:

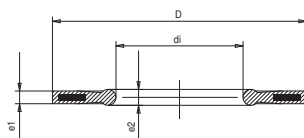
- green
- For stub flanges for socket welding acc. to DIN EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP) ISO 10931/3 (PVDF)
- Suitable for flange connections up to PN 16

Product image for illustration purposes only.

d (mm)	e (mm)	d8 (mm)	d9 (mm)	PN (bar)	kg/piece	Art. No.
20	2.0	32	20	16	0.001	016900037
25	2.0	39	25	16	0.001	016900038
32	2.0	48	32	16	0.001	016900039
40	2.0	59	40	16	0.001	016900040
50	2.0	71	50	16	0.001	016900041
63	2.0	88	63	16	0.002	016900042
75	2.0	104	75	16	0.004	016900043
90	2.0	123	90	16	0.004	016900044
110	2.0	148	110	16	0.005	016900045

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NBR Profile gaskets for stub flanges



Product details:

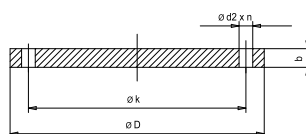
- black
- For stub flanges acc. to DIN EN ISO 15494/B (PE)
- Suitable for flange connections up to PN 16

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	e2 (mm)	kg/piece	Art. No.
11	25	2.3	4	0.012	017000131
11	32	2.9	4	0.016	017000132
11	40	3.7	4	0.025	017000133
11	50	4.6	4	0.033	017000135
11	63	5.8	5	0.048	017000137
11	75	6.8	5	0.059	017000139
11	90	8.2	5	0.076	017000141
11	110	10.0	6	0.124	017000143
11	125	11.4	6	0.110	017000145
11	140	12.7	6	0.149	017000147
11	160	14.6	8	0.207	017000149
11	180	16.4	8	0.236	017000151
11	200	18.2	8	0.430	017000153
11	225	20.5	8	0.365	017000155
11	250	22.7	8	0.520	017000158
11	280	25.4	8	0.496	017000160
11	315	28.6	8	0.600	017000162
11	355	32.2	8	1.100	017000164
11	400	36.3	8	1.300	017000166
11	450	40.9	10	1.930	017000168
11	500	45.4	10	1.740	017000170
11	560	50.8	10	2.430	017000172
11	630	57.2	10	2.740	017000174
17	50	3.0	4	0.031	017000134
17	63	3.8	5	0.047	017000136
17	75	4.5	5	0.057	017000138
17	90	5.4	5	0.075	017000140
17	110	6.6	6	0.110	017000142
17	125	7.4	6	0.080	017000144
17	140	8.3	6	0.118	017000146
17	160	9.5	8	0.240	017000148
17	180	10.7	8	0.150	017000150
17	200	11.9	8	0.406	017000152
17	225	13.4	8	0.316	017000154
17	250	14.8	8	0.510	017000157
17	280	16.6	8	0.400	017000159
17	315	18.7	8	0.750	017000161
17	355	21.1	8	0.760	017000163
17	400	23.7	8	0.840	017000165
17	450	26.7	8	1.200	017000167
17	500	29.7	10	1.500	017000169
17	560	33.2	10	1.850	017000171
17	630	37.4	10	2.050	017000173

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PE 100 Blind flanges



Product details:

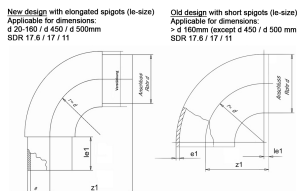
- black
- drilled for DIN EN 1092/1 (replaces DIN 2501), only for non-pressure operation

Product image for illustration purposes only.

d (mm)	DN (mm)	b (mm)	k (mm)	Anzahl n	kg/piece	Art. No.
90	80	25	160	8	0.765	013100069
110	100	25	180	8	1.100	013100070
125	100	25	180	8	1.100	013100071
140	125	25	210	8	1.400	013100072
160	150	30	240	8	1.700	013100001
180	150	30	240	8	1.800	013100073
200	200	30	295	8	2.800	013100074
225	200	30	295	8	2.800	013100075
250	250	30	350	12	3.800	013100076
280	250	30	350	12	3.800	013100077
315	300	40	400	12	6.580	013100078
355	350	40	460	16	7.200	013100079
400	400	40	515	16	9.000	013100080

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PE-EL Bends 90°, injected



Product details:

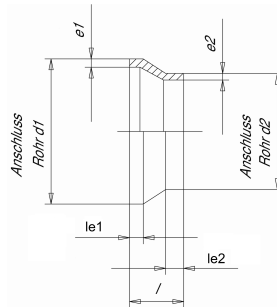
- black
- injected (r ~ d), for butt welding
- Bends 45° on request, Other dimensions on request
- Based on DIN EN ISO 15494/B

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	32	3.0	22	54	16	90	0.036	010100272
11	40	3.7	22	62	16	90	0.031	010102040
11	50	4.6	22	72	16	90	0.105	010100273
11	63	5.8	22	86	16	90	0.199	010100275
11	75	6.8	22	98	16	90	0.322	010100276
11	90	8.2	25	115	16	90	0.540	010100278
11	110	10.0	28	138	16	90	0.965	010100280
11	125	11.4	32	157	16	90	1.410	010100282
11	160	14.6	40	200	16	90	2.730	010100284
11	180	16.4	15	184	16	90	2.585	010100286
11	200	18.2	19	205	16	90	3.840	010102045
11	225	20.5	21	236	16	90	5.170	010102046
11	250	22.7	20	256	16	90	7.240	010102048
11	315	28.6	22	324	16	90	11.540	010102051
17.6	90	5.1	25	115	10	90	0.220	010100277
17.6	110	6.3	28	138	10	90	0.740	010100279
17.6	160	9.1	40	200	10	90	1.985	010100283
17.6	180	10.2	15	184	10	90	1.785	010100285
17.6	200	11.4	19	206	10	90	2.560	010100287
17.6	250	14.2	20	256	10	90	4.780	010102047
17.6	315	17.9	22	324	10	90	7.250	010102050

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PE-EL Reducers concentric



Product details:

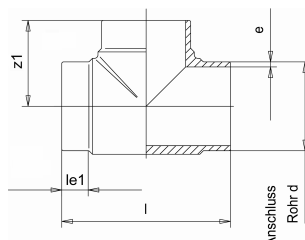
- black
- injected or machined, for butt welding
- Other dimensions on request
- Based on DIN EN ISO 15494/B

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	50	32	4.6	3	20	20	82	0.030	014901123
11	50	40	4.6	3.7	20	20	82	0.050	014901124
11	63	32	5.8	3	26	27	89	0.060	014900207
11	63	50	5.8	4.6	25	25	87	0.150	014901302
11	75	63	6.8	5.8	25	25	82	0.050	014901455
11	90	63	8.2	5.8	31	27	90	0.300	014900208
11	90	75	8.2	6.8	30	28	91	0.150	014901426
11	110	32	10.0	3				0.350	014901220
11	110	50	10.0	4.6	28	20	90	0.200	014901428
11	110	63	10.0	5.8	40	36	105	0.260	014900209
11	110	75	10.0	6.8	40	28	96	0.250	014901223
11	110	90	10.0	8.2	40	41	104	0.190	014901125
11	125	63	11.4	5.8	40	35	120	0.350	014901424
11	125	90	11.4	8.2	42	41	110	1.500	014901425
11	125	110	11.4	10	32	28	100	1.400	010019043
11	160	110	14.6	10	40	34	126	0.550	010019045
11	160	125	14.6	11.4	40	32	122	2.000	010019046
17.6	110	90	6.3	5.1	41	40	103	0.114	014901298
17.6	160	110	9.1	6.3	40	34	129	0.300	014901252
17.6	250	110	14.8	6.3				1.400	010019044
17.6	250	160	14.8	9.1	64	52	174	8.000	014901446
17.6	315	250	18.7	14.2	88	64	234	1.680	014901447

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PE-EL Tees, injected



Product details:

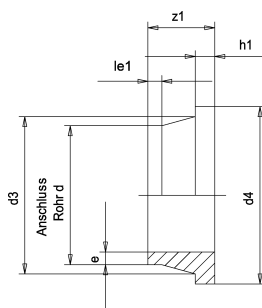
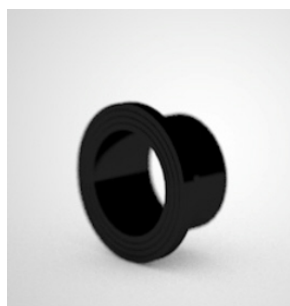
- black
- injected, for butt welding
- Other dimensions on request
- Based on DIN EN ISO 15494/B

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	32	2.9	11	42	16	87	0.046	010300186
11	40	3.7	11	45	16	94	0.060	010300857
11	50	4.6	12	50	16	101	0.126	010300187
11	63	5.8	17	67	16	135	0.259	010300188
11	75	6.8	19	75	16	153	0.443	010301004
11	90	8.2	43	102	16	206	0.735	010300190
11	110	10.0	55	128	16	257	1.310	010300805
11	125	11.4	52	125	16	254	1.700	010300192
11	160	14.6	58	161	16	323	3.500	010300807
11	180	16.4	94	214	16	430	6.260	010300808
11	200	18.2	90	219	16	438	7.400	010300995
11	225	20.5	76	226	16	453	8.840	010300907
11	250	22.7	68	228	16	450	9.900	010300852
11	315	28.6	88	285	16	572	22.050	010300853
17.6	90	5.1	42	100	10	205	0.550	010300189
17.6	110	6.3	55	129	10	257	0.914	010300191
17.6	160	9.1	57	160	10	320	2.500	010300830
17.6	180	10.2	96	214	10	435	4.420	010300935
17.6	200	11.4	93	220	10	442	5.410	010300867
17.6	250	14.2	67	225	10	450	7.650	010300992
17.6	315	17.9	87	282	10	565	14.975	010300860

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PE-EL Stub flanges for loose flange ISO/DIN, injected



Product image for illustration purposes only.

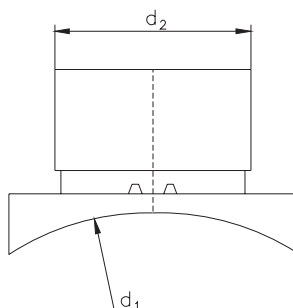
Product details:

- black
- injected, for butt welding
- Other dimensions on request
- Based on DIN EN ISO 15494/B

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.
11	32	2.9	41	68	25	54	10	16	0.053	010600115
11	40	3.7	50	78	20	50	11	16	0.054	010600116
11	50	4.6	61	88	27	57	12	16	0.102	010600117
11	63	5.8	75	102	25	60	14	16	0.165	010600119
11	75	6.8	89	122	21	56	16	16	0.220	010600120
11	90	8.2	105	138	43	80	17	16	0.350	010600122
11	110	10.0	125	158	37	80	18	16	0.482	010600124
11	125	11.4	132	158	35	80	25	16	0.615	010600126
11	160	14.6	175	212	52	105	25	16	1.010	010600130
11	180	16.4	186	212	65	127	30	16	1.120	010600132
11	200	18.2	232	268	65	140	32	16	2.120	010600134
11	225	20.5	235	268	65	127	32	16	2.280	010600136
11	250	22.7	285	320	54	121	35	16	3.260	010600138
11	315	28.6	285	370	54	121	35	16	4.645	010600142
17.6	63	5.8	75	102	25	60	14	16	0.139	010600118
17.6	75	6.8	89	122	19	55	16	16	0.210	010600551
17.6	90	5.1	105	138	43	80	17	10	0.304	010600121
17.6	110	6.3	125	158	37	80	18	10	0.417	010600123
17.6	160	9.1	175	212	52	105	18	10	0.800	010600129
17.6	180	10.2	186	212	75	127	20	10	0.710	010600131
17.6	200	11.4	232	268	75	140	24	10	1.725	010600133
17.6	250	14.2	286	320	60	122	25	10	2.740	010600137
17.6	315	17.9	336	370	85	165	25	10	4.135	010600141

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PE 100 External saddle SIMOFUSE® with elongated spigot



Product details:

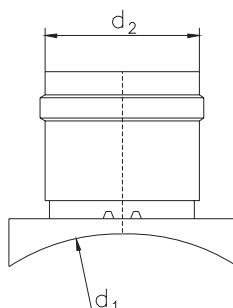
- black
- machined, for electrofusion welding, d 280 - 560 type LF, > d 560 model SIMOFUSE®
- suitable for electrofusion connection of service pipes to PE sewer pipes as part of open-trench installation*

Product image for illustration purposes only.

d1 (mm)	d2 (mm)	Art. No.
280	160	024100023
315	160	024100024
355	160	024100025
400	160	024100026
450	160	024100027
500	160	024100028
560	160	024100029
630	160	024100030
710	160	024100031
800	160	024100032
900	160	024100033
1000	160	024100034

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PE 100 External saddle SIMOFUSE® with socket



Product details:

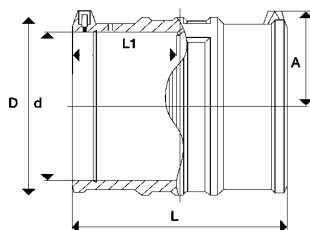
- black
- machined, for electrofusion welding, d 280 - 560 type LF, > d 560 model SIMOFUSE®
- suitable for electrofusion connection of service pipes to PE sewer pipes as part of open-trench installation*

Product image for illustration purposes only.

d1 (mm)	d2 (mm)	Art. No.
280	150	024100008
315	150	024100009
355	150	024100010
400	150	024100011
450	150	024100012
500	150	024100013
560	150	024100014
630	150	024100015
710	150	024100016
800	150	024100017
900	150	024100018
1000	150	024100019

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PE 100 Electrofusion sockets - sewer and pressure up to PN 10



Product details:

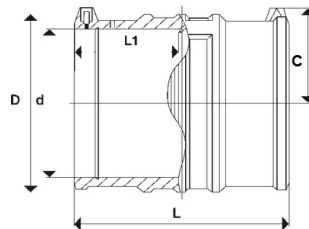
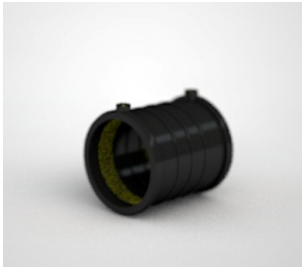
- black
- usable for pipes: SDR 33 up to SDR 17
- > d 500 separate welding zones, Connection contact: 4.0 mm

Product image for illustration purposes only.

d (mm)	PN (bar)	B (mm)	C (mm)	kg/piece	Art. No.
125	10		87	0.540	014300013
140	10		104	0.800	014300065
200	10		127	2.120	014300016
225	10		141	2.860	014300017
280	10		166	5.400	014300019
400	10		233.6	7.500	014300022
450	10		261.6	8.800	014300023
500	10		289.6	11.850	014300024
560	10			18.100	014300140
630	10			34.000	010006673
710	10			48.600	010017951
800	10			65.900	010017952
900	10	1024	1024	91.500	010019102

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PE 100 Electrofusion sockets - sewer and pressure up to PN 10



Product details:

- black
- usable for pipes: SDR 33 up to SDR 17
- > d 500 separate welding zones, Connection contact: 4.0 mm

Product image for illustration purposes only.

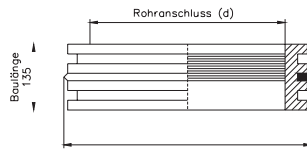
d (mm)	PN (bar)	C (mm)	Length (mm)	kg/piece	Art. No.
110	10	79	163	0.640	014300012
160	10	114	198	1.100	014300014
180	10	128	212	1.740	014300015
250	10	155	256	3.700	014300018
315	10	184	284	7.040	014300020
355	10	204	280	5.950	014300021

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PE 100 Shaft Connections SIMOFUSE®



Product image for illustration purposes only.



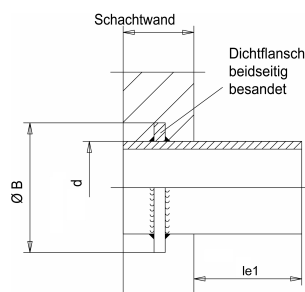
Product details:

- black
- machined with integral electrofusion joints, Length 135 mm, Other lengths on request
- Suitable for the connection of PE sewer pipes in SDR classes 26 und 17.6 to precast concrete shafts*

SDR	d (mm)	e (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
17.6	160	9.1	6	135	1.800	016500079
17.6	180	10.2	6	135	2.300	016500080
17.6	200	11.4	6	135	2.600	016500081
17.6	225	12.8	6	135	3.300	016500082
17.6	250	14.2	6	135	4.300	016500083
17.6	280	15.9	6	135	5.900	016500085
17.6	315	17.9	6	135	7.400	016500087
17.6	355	20.1	6	135	9.400	016500090
17.6	400	22.7	6	135	10.000	016500093
17.6	450	25.5	6	135	13.700	016500096
17.6	500	28.4	6	135	12.000	016500099
17.6	560	31.7	6	135	19.900	016500102
17.6	630	35.7	6	135	22.300	016500105
26	280	10.7	4	135	5.400	016500084
26	315	12.1	4	135	6.800	016500086
26	355	13.6	4	135	8.600	016500089
26	400	15.3	4	135	8.900	016500092
26	450	17.2	4	135	12.400	016500095
26	500	19.1	4	135	13.000	016500098
26	560	21.4	4	135	17.500	016500101
26	630	24.1	4	135	20.900	016500104

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PE 100 Shaft connections



Product details:

- black
- for butt welding, with sanded seal flange for concreting
- On request deliverable in SDR 26, Please specify the shaft wall thickness

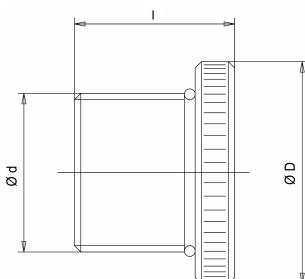
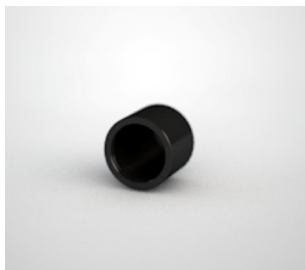
Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	PN (bar)	B (mm)	kg/piece	Art. No.
11	160	14.6	300	10	260	3.960	016400046
11	180	16.4	300	10	280	5.220	016400047
11	200	18.2	300	10	300	5.700	016400048
11	225	20.5	300	10	325	7.540	016400049
11	250	22.7	300	10	350	8.700	016400007
11	280	25.4	300	10	380	10.800	016400050
11	315	28.6	300	10	415	15.000	016400011
11	355	32.2	400	10	455	16.500	016400051
11	400	36.3	400	10	500	25.500	016400052
11	450	40.9	400	10	550	31.800	016400053
11	500	45.4	400	10	610	32.000	016400054
11	560	50.8	400	10	660	50.000	016400055
11	630	57.2	400	10	730	61.800	016400056
17.6	160	9.1	300	6	260	3.400	016400003
17.6	180	10.2	300	6	280	4.000	016400030
17.6	200	11.4	300	6	300	4.800	016400031
17.6	225	12.8	300	6	325	5.700	016400006
17.6	250	14.2	300	6	350	7.000	016400032
17.6	280	15.9	300	6	380	7.100	016400009
17.6	315	17.9	300	6	415	10.000	016400033
17.6	355	20.1	400	6	455	11.200	016400034
17.6	400	22.7	400	6	500	15.000	016400035
17.6	450	25.5	400	6	550	17.800	016400012
17.6	500	28.4	400	6	610	25.000	016400036
17.6	560	31.7	400	6	660	27.400	016400037
17.6	630	35.7	400	6	730	40.200	016400038
17.6	710	40.2	500	6	830	49.000	016400039
17.6	800	45.3	500	6	920	59.000	016400040
17.6	900	51.0	500	6	1020	80.000	016400041
17.6	1000	56.7	500	6	1140	98.000	016400042
33	160	4.5	300	3.2	260	3.200	016400002
33	180	5.5	300	3.2	280	3.700	016400016
33	200	6.2	300	3.2	300	4.500	016400004
33	225	6.9	300	3.2	325	5.100	016400005
33	250	7.7	300	3.2	350	5.860	016400017
33	280	8.6	300	3.2	380	6.800	016400008
33	315	9.7	300	3.2	415	9.000	016400010
33	355	10.9	400	3.2	455	11.000	016400018
33	400	12.3	400	3.2	500	14.000	016400019
33	450	13.8	400	3.2	550	15.500	016400020
33	500	15.3	400	3.2	610	17.000	016400021
33	560	17.2	400	3.2	660	19.800	016400022
33	630	19.3	400	3.2	730	24.000	016400023
33	710	21.8	500	3.2	830	34.000	016400024
33	800	24.5	500	3.2	920	44.500	016400025
33	900	27.6	500	3.2	1020	54.600	016400026
33	1000	30.6	500	3.2	1140	66.900	016400027

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and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team:
pipingsystems@simona.de.

PE 100 Thread plugs



Product details:

- black
- machined
- max. admissible operating overpressure for water at +20 °C up to 8 bar

Product image for illustration purposes only.

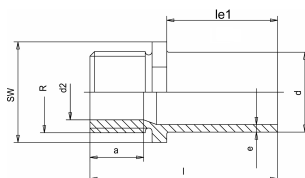
D (mm)	di (")	PN (bar)	Length (mm)	kg/piece	Art. No.
25	1/2	8	25	0.005	015100049
30	3/4	8	30	0.007	015100050
40	1	8	35	0.014	015100051
45	1 1/4	8	40	0.020	015100052
55	1 1/2	8	40	0.032	015100053
70	2	8	45	0.140	015100054
95	2 1/2	8	40	0.070	015100055

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PE 100 RC Adaptors with threaded male end R, injected



Product image for illustration purposes only.



Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- With conical threaded male end R (acc. to DIN EN 10226/1), max. admissible operating overpressure for water at +20 °C 8 bar, Double-layer PTFE tape recommended as sealant
- Based on DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

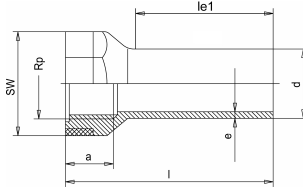
SDR	d (mm)	e (mm)	le1 (mm)	R (")	PN (bar)	a (mm)	SW (mm)	Length (mm)	kg/piece	Art. No.
11	20	1.9	41	1/2	8	14	24	58	0.009	020000013
11	25	2.3	41	3/4	8	14	27	61	0.012	020000014
11	32	2.9	44	1	8	18	36	69	0.024	020000015
11	40	3.7	49	1 1/4	8	19	46	75	0.039	020000016
11	50	4.6	55	1 1/2	8	20	55	82	0.058	020000017
11	63	5.8	63	2	8	21	65	91	0.099	020000018

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PE 100 RC Adaptors with threaded female end Rp, injected



Product image for illustration purposes only.



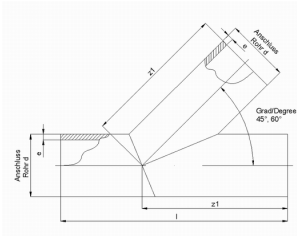
Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- With cylindric threaded female end Rp (acc. to DIN EN 10226/1), With reinforcement-ring made of galvanised steel, max. admissible operating overpressure for water at +20 °C 8 bar, Double-layer PTFE tape recommended as sealant
- Based on DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

SDR	d (mm)	e (mm)	le1 (mm)	RP (")	PN (bar)	a (mm)	SW (mm)	Length (mm)	kg/piece	Art. No.
11	20	1.9	41	1/2	8	16	30	58	0.016	019900013
11	25	2.3	41	3/4	8	18	36	63	0.022	019900014
11	32	2.9	44	1	8	21	46	71	0.041	019900015
11	40	3.7	49	1 1/4	8	23	55	79	0.062	019900016
11	50	4.6	55	1 1/2	8	24	60	84	0.082	019900017
11	63	5.8	63	2	8	29	75	97	0.143	019900018

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PE 100 Branches, welded



Product image for illustration purposes only.

Product details:

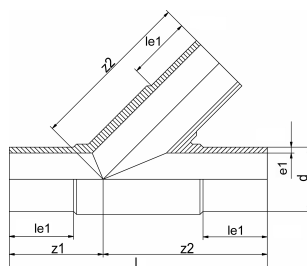
- black
- fabricated from pipe, for butt welding and electrofusion welding
- branches without reinforcement, pressure reduction factor 45°: 0.45 and 60°: 0.5; branches with reinforcement on request, SDR 33 on request
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	Angle (°)	kg/piece	Art. No.
11	110	10.0	325	16	500	60	2.450	013700576
11	125	11.4	450	16	550	45	4.000	013700531
11	125	11.4	355	16	545	60	3.450	013700579
11	140	12.7	470	16	590	45	5.000	013700534
11	140	12.7	357	16	581	60	4.550	013700582
11	160	14.6	500	16	730	45	7.800	013700537
11	160	14.6	412	16	642	60	6.500	013700585
11	180	16.4	530	16	780	45	10.000	013700540
11	180	16.4	450	16	700	60	9.100	013700588
11	200	18.2	550	16	830	45	13.200	013700543
11	200	18.2	487	16	759	60	12.200	013700591
11	225	20.5	580	16	880	45	17.600	013700546
11	225	20.5	530	16	830	60	16.250	013700594
11	250	22.7	610	16	940	45	22.600	013700549
11	250	22.7	580	16	905	60	22.000	013700597
11	280	25.4	650	16	1000	45	30.200	013700552
11	280	25.4	630	16	995	60	30.000	013700600
11	315	28.6	700	16	1100	45	42.200	013700555
11	315	28.6	690	16	1090	60	41.600	013700603
11	355	32.2	850	16	1280	45	63.130	013700558
11	355	32.2	730	16	1155	60	56.000	013700606
11	400	36.3	900	16	1350	45	84.750	013700561
11	400	36.3	800	16	1250	60	77.200	013700609
11	450	40.9	950	16	1430	45	113.350	013700564
11	450	40.9	850	16	1325	60	103.650	013700612
11	500	45.4	1000	16	1500	45	146.850	013700567
11	500	45.4	900	16	1400	60	135.100	013700615
11	560	50.8	1050	16	1600	45	195.330	013700570
11	560	50.8	950	16	1480	60	179.200	013700618
11	630	57.2	1100	16	1650	45	257.550	013700573
11	630	57.2	1000	16	1545	60	238.300	013700621
17	110	6.6	325	10	500	60	1.620	013700575
17	125	7.4	450	10	550	45	2.600	013700530
17	125	7.4	355	10	545	60	2.250	013700578
17	140	8.3	470	10	590	45	3.300	013700533
17	140	8.3	357	10	581	60	2.950	013700581
17	160	9.5	500	10	730	45	4.200	013700536
17	160	9.5	412	10	642	60	4.250	013700584
17	180	10.7	530	10	780	45	5.800	013700539
17	180	10.7	450	10	700	60	5.800	013700587
17	200	11.9	550	10	830	45	7.800	013700542
17	200	11.9	487	10	759	60	7.850	013700590
17	225	13.4	580	10	880	45	14.000	013700545
17	225	13.4	530	10	830	60	11.700	013700593
17	250	14.8	610	10	940	45	19.000	013700548
17	250	14.8	580	10	905	60	14.600	013700596
17	280	16.6	650	10	1000	45	25.000	013700551
17	280	16.6	630	10	995	60	19.800	013700599
17	315	18.7	700	10	1100	45	28.000	013700554
17	315	18.7	690	10	1090	60	27.000	013700602
17	355	21.1	850	10	1280	45	41.000	013700557
17	355	21.1	730	10	1155	60	36.400	013700605
17	400	23.7	900	10	1350	45	54.950	013700560
17	400	23.7	800	10	1250	60	50.100	013700608

SDR	d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	Angle (°)	kg/piece	Art. No.
17	450	26.7	950	10	1430	45	73.530	013700563
17	450	26.7	850	10	1325	60	67.300	013700611
17	500	29.7	1000	10	1500	45	95.300	013700566
17	500	29.7	900	10	1400	60	87.700	013700614
17	560	33.2	1050	10	1600	45	126.500	013700569
17	560	33.2	950	10	1480	60	116.000	013700617
17	630	37.4	1100	10	1650	45	166.300	013700572
17	630	37.4	1000	10	1545	60	154.000	013700620

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PE 100 RC Branches 45°, injected



Product details:

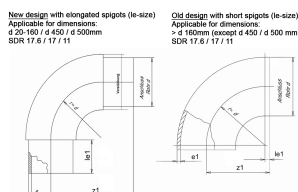
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	z2 (mm)	PN (bar)	Length (mm)	Angle (°)	kg/piece	Art. No.
11	63	5.8	69	162	97	16	258	45	0.465	013700664
11	75	6.8	77	109	190	16	304	45	0.775	013700666
11	90	8.2	85	137	230	16	370	45	1.370	013700668
11	110	10.0	90	141	260	16	402	45	2.130	013700671
17	63	3.8	70	94	162	10	256	45	0.410	013700663
17	75	4.5	77	109	190	10	304	45	0.695	013700665
17	90	5.4	85	135	230	10	370	45	1.035	013700667
17	110	6.6	90	139	260	10	401	45	2.025	013700670

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PE 100 RC Bends 90°, injected



Product details:

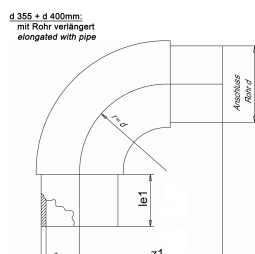
- black
- injected (r ~ d), for butt welding
- Based on DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
11	20	2.0	18	38	90	0.009	010100537
11	25	2.3	18	43	90	0.013	010100538
11	32	3.0	22	54	90	0.030	010100539
11	40	3.7	22	62	90	0.055	010100540
11	50	4.6	22	72	90	0.101	010100541
11	63	5.8	22	86	90	0.196	010100542
11	75	6.8	22	98	90	0.309	010100543
11	90	8.2	25	115	90	0.512	010100544
11	110	10.0	28	138	90	0.938	010100545
11	125	11.4	32	157	90	1.350	010100546
11	140	12.7	35	175	90	1.845	010100547
11	160	14.6	40	200	90	2.200	010100548
11	180	16.4	15	184	90	2.585	010100549
11	200	18.2	19	205	90	3.600	010100550
11	225	20.5	21	236	90	5.055	010100551
11	250	22.7	20	256	90	6.830	010100552
11	280	25.4	24	286	90	9.260	010100553
11	315	28.6	22	324	90	13.445	010100554
11	355	32.2	38	380	90	20.825	010100555
11	400	36.3	41	434	90	30.214	010100556
11	450	40.9	60	510	90	55.482	010026783
11	500	45.4	60	560	90	71.250	010026785
17	50	3.0	22	72	90	0.075	010101903
17	63	3.8	22	86	90	0.143	010101904
17	75	4.5	22	98	90	0.236	010101905
17	90	5.4	25	115	90	0.365	010101906
17	110	6.6	28	138	90	0.718	010101908
17	125	7.4	32	157	90	1.010	010101910
17	140	8.3	35	175	90	1.420	010101912
17	160	9.5	40	200	90	1.172	010101914
17	450	26.7	60	510	90	42.752	010026784
17	500	29.7	60	560	90	53.950	010026786
17.6	180	10.2	15	184	90	1.720	010101916
17.6	200	11.4	19	206	90	2.390	010101918
17.6	225	12.8	10	233	90	3.343	010102017
17.6	250	14.2	20	256	90	4.412	010101921
17.6	280	15.9	24	286	90	6.090	010102018
17.6	315	17.9	22	320	90	8.920	010101924
17.6	355	20.1	38	380	90	13.350	010102037
17.6	400	22.7	41	432	90	20.201	010101926
33	110	3.4	28	138	90	0.215	010101907
33	125	3.9	15	130	90	0.340	010101909
33	140	4.3	35	175	90	0.460	010101911
33	160	4.9	40	200	90	0.745	010101913
33	180	5.5	8	200	90	1.240	010101915
33	200	6.2	19	206	90	1.307	010101917
33	225	6.9	21	236	90	2.240	010101919
33	250	7.7	20	255	90	2.439	010101920
33	280	8.6	24	290	90	4.440	010101922
33	315	9.7	22	322	90	5.020	010101923
33	355	10.9	15	380	90	9.000	010100557
33	400	12.3	41	434	90	11.180	010101925

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PE 100 RC Bends 90°, injected



Product details:

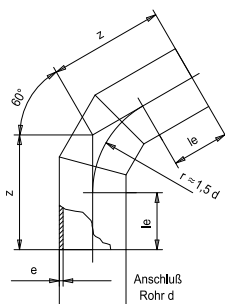
- black
- injected (r ~ d), with elongated spigot, for butt welding and electrofusion welding
- DIN EN ISO 15494/B, DIN EN 1555/3, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
11	32	3.0	48	79	90	0.043	019100130
11	40	3.7	52	92	90	0.079	019100131
11	50	4.6	59	107	90	0.147	019100133
11	63	5.8	69	131	90	0.280	019100032
11	75	6.8	76	153	90	0.460	019100044
11	90	8.2	83	173	90	0.760	019100046
11	110	10.0	84	195	90	1.297	019100048
11	125	11.4	92	216	90	1.820	019100051
11	140	12.7	96	237	90	2.445	019100052
11	160	14.6	103	262	90	3.420	019100053
11	180	16.4	115	294	90	4.980	019100054
11	200	18.2	122	317	90	6.800	019100055
11	225	20.5	131	351	90	9.200	019100050
11	250	22.7	133	382	90	13.120	019100092
11	280	25.4	153	432	90	18.335	019100094
11	315	28.6	154	471	90	25.130	019100096
11	355	32.2	180	560	90	34.030	010030703
11	400	36.3	190	625	90	46.900	010030704
11	450	40.9	195	645	90	69.122	010026787
11	500	45.4	212	710	90	91.039	010026789
17	50	3.0	59	108	90	0.132	019100132
17	63	3.8	67	130	90	0.200	019100031
17	75	4.5	76	153	90	0.345	019100043
17	90	5.4	83	173	90	0.520	019100045
17	110	6.6	84	195	90	0.945	019100047
17	125	7.4	92	216	90	1.340	019100056
17	140	8.3	97	237	90	1.760	019100057
17	160	9.5	103	262	90	2.405	019100058
17	180	10.7	113	290	90	3.390	019100059
17	200	11.9	122	317	90	4.610	019100060
17	225	13.4	130	350	90	6.410	019100049
17	250	14.8	134	382	90	9.830	019100091
17	280	16.6	154	430	90	13.710	019100093
17	315	18.7	153	465	90	19.350	019100095
17	450	26.7	195	645	90	50.715	010026788
17	500	29.7	212	710	90	66.939	010026790
17.6	355	20.1	180	560	90	22.350	010030701
17.6	400	22.7	190	625	90	31.520	010030702

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PE 100 Bends, segment welded



Product image for illustration purposes only.

Product details:

- black
- segment welded ($r = 1.5 d$) for butt welding and electrofusion welding
- pressure reduction factor: 0.8 With reinforcement for full service pressure on request
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	90	8.2	150	136	16	30	0.900	010101416
11	90	8.2	150	207	16	45	0.700	010101558
11	90	8.2	150	232	16	60	0.780	010101701
11	90	8.2	150	300	16	90	0.930	010101846
11	110	10.0	150	194	16	30	1.220	010101419
11	110	10.0	150	218	16	45	1.350	010101561
11	110	10.0	150	245	16	60	1.490	010101704
11	110	10.0	150	315	16	90	1.800	010101849
11	125	11.4	150	200	16	30	1.630	010101422
11	125	11.4	150	228	16	45	1.830	010101564
11	125	11.4	150	258	16	60	2.030	010101707
11	125	11.4	150	338	16	90	2.450	010101852
11	140	12.7	150	206	16	30	2.100	010101425
11	140	12.7	150	237	16	45	2.380	010101567
11	140	12.7	150	271	16	60	2.680	010101710
11	140	12.7	150	360	16	90	3.250	010101855
11	160	14.6	150	214	16	30	2.850	010101428
11	160	14.6	150	249	16	45	3.270	010101570
11	160	14.6	150	288	16	60	3.710	010101713
11	160	14.6	150	390	16	90	4.600	010101858
11	180	16.4	150	222	16	30	3.740	010101431
11	180	16.4	150	262	16	45	4.310	010101573
11	180	16.4	150	305	16	60	4.960	010101716
11	180	16.4	150	420	16	90	6.200	010101861
11	200	18.2	150	230	16	30	4.780	010101434
11	200	18.2	150	274	16	45	5.560	010101576
11	200	18.2	150	323	16	60	6.440	010101719
11	200	18.2	150	450	16	90	8.200	010101864
11	225	20.5	150	241	16	30	6.310	010101437
11	225	20.5	150	290	16	45	7.420	010101579
11	225	20.5	150	355	16	60	8.680	010101722
11	225	20.5	150	488	16	90	11.200	010101867
11	250	22.7	250	350	16	30	11.400	010101440
11	250	22.7	250	412	16	45	12.900	010101582
11	250	22.7	250	466	16	60	14.600	010101725
11	250	22.7	250	625	16	90	17.600	010101870
11	280	25.4	250	362	16	30	14.400	010101443
11	280	25.4	250	424	16	45	17.260	010101585
11	280	25.4	250	492	16	60	19.300	010101728
11	280	25.4	250	670	16	90	23.800	010101873
11	315	28.6	300	428	16	30	21.900	010101446
11	315	28.6	300	498	16	45	25.000	010101588
11	315	28.6	300	576	16	60	28.400	010101731
11	315	28.6	300	773	16	90	34.900	010101876
11	355	32.2	300	443	16	30	28.600	010101449
11	355	32.2	300	520	16	45	33.200	010101591
11	355	32.2	300	608	16	60	38.100	010101734
11	355	32.2	300	833	16	90	47.400	010101879
11	400	36.3	300	461	16	30	38.100	010101451
11	400	36.3	300	548	16	45	44.000	010101594
11	400	36.3	300	646	16	60	51.400	010101737
11	400	36.3	300	900	16	90	64.700	010101882
11	450	40.9	300	481	16	30	50.300	010101453
11	450	40.9	300	580	16	45	59.200	010101597

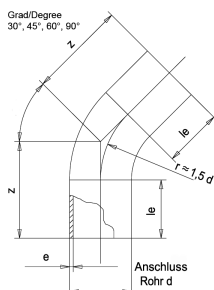
SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	450	40.9	300	689	16	60	69.300	010101740
11	450	40.9	300	975	16	90	88.200	010101885
11	500	45.4	350	551	16	30	71.100	010101456
11	500	45.4	350	665	16	45	83.300	010101600
11	500	45.4	350	783	16	60	97.000	010101743
11	500	45.4	350	1100	16	90	123.000	010101888
11	560	50.8	350	575	16	30	93.100	010101459
11	560	50.8	350	698	16	45	110.000	010101603
11	560	50.8	350	835	16	60	126.000	010101746
11	560	50.8	350	1190	16	90	167.000	010101891
11	630	57.2	350	603	16	30	110.000	010101462
11	630	57.2	350	741	16	45	153.000	010101606
11	630	57.2	350	896	16	60	176.000	010101749
11	630	57.2	350	1295	16	90	229.000	010101894
17	90	5.4	150	192	10	30	0.370	010101415
17	90	5.4	150	207	10	45	0.500	010101557
17	90	5.4	150	232	10	60	0.540	010101700
17	90	5.4	150	300	10	90	0.640	010101845
17	110	6.6	150	194	10	30	0.807	010101418
17	110	6.6	150	218	10	45	0.900	010101560
17	110	6.6	150	245	10	60	1.010	010101703
17	110	6.6	150	315	10	90	1.160	010101848
17	125	7.4	150	200	10	30	1.060	010101421
17	125	7.4	150	228	10	45	1.200	010101563
17	125	7.4	150	258	10	60	1.330	010101706
17	125	7.4	150	338	10	90	1.590	010101851
17	140	8.3	150	206	10	30	1.370	010101424
17	140	8.3	150	237	10	45	1.600	010101566
17	140	8.3	150	271	10	60	1.750	010101709
17	140	8.3	150	360	10	90	2.110	010101854
17	160	9.5	150	214	10	30	1.900	010101427
17	160	9.5	150	249	10	45	2.130	010101569
17	160	9.5	150	288	10	60	2.420	010101712
17	160	9.5	150	390	10	90	2.980	010101857
17	180	10.7	150	222	10	30	2.430	010101430
17	180	10.7	150	262	10	45	2.800	010101572
17	180	10.7	150	305	10	60	3.220	010101715
17	180	10.7	150	420	10	90	4.000	010101860
17	200	11.9	150	230	10	30	3.120	010101433
17	200	11.9	150	274	10	45	3.630	010101575
17	200	11.9	150	323	10	60	4.210	010101718
17	200	11.9	150	450	10	90	5.300	010101863
17	225	13.4	150	241	10	30	4.110	010101436
17	225	13.4	150	290	10	45	4.830	010101578
17	225	13.4	150	355	10	60	5.650	010101721
17	225	13.4	150	488	10	90	7.200	010101866
17	250	14.8	250	350	10	30	7.400	010101439
17	250	14.8	150	412	10	45	8.390	010101581
17	250	14.8	250	466	10	60	9.250	010101724
17	250	14.8	250	625	10	90	11.600	010101869
17	280	16.6	250	362	10	30	13.200	010101442
17	280	16.6	250	424	10	45	10.900	010101584
17	280	16.6	250	492	10	60	13.000	010101727
17	280	16.6	250	670	10	90	15.700	010101872
17	315	18.7	300	428	10	30	14.200	010101445
17	315	18.7	300	498	10	45	18.300	010101587
17	315	18.7	300	576	10	60	18.400	010101730
17	315	18.7	300	773	10	90	22.600	010101875
17	355	21.1	300	443	10	30	18.700	010101448
17	355	21.1	300	520	10	45	21.500	010101590
17	355	21.1	300	608	10	60	24.700	010101733
17	355	21.1	300	833	10	90	30.700	010101878
17	400	23.7	300	461	10	30	24.800	010100101
17	400	23.7	300	548	10	45	28.800	010101593
17	400	23.7	300	646	10	60	33.400	010101736
17	400	23.7	300	900	10	90	42.000	010101881
17	450	26.7	300	481	10	30	32.600	010100102
17	450	26.7	300	580	10	45	38.300	010101596
17	450	26.7	300	689	10	60	45.000	010101739
17	450	26.7	300	975	10	90	57.100	010101884
17	500	29.7	350	551	10	30	46.100	010101455
17	500	29.7	350	665	10	45	54.000	010101599
17	500	29.7	350	783	10	60	62.900	010101742
17	500	29.7	350	1100	10	90	80.000	010101887
17	560	33.2	350	575	10	30	60.300	010101458
17	560	33.2	350	698	10	45	71.400	010101602
17	560	33.2	350	835	10	60	83.900	010101745
17	560	33.2	350	1190	10	90	118.000	010101890
17	630	37.4	350	603	10	30	80.200	010101461
17	630	37.4	350	741	10	45	102.400	010101605
17	630	37.4	350	896	10	60	113.000	010101748
17	630	37.4	350	1295	10	90	148.000	010101893
17	710	42.1	350	636	10	30	110.000	010101464
17	710	42.1	350	792	10	45	134.000	010101608

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
17	710	42.1	350	965	10	60	156.000	010101751
17	710	42.1	350	1415	10	90	204.000	010101896
17	800	47.4	350	672	10	30	144.000	010101466
17	800	47.4	350	847	10	45	177.000	010101610
17	800	47.4	350	1043	10	60	213.000	010101753
17	800	47.4	350	1550	10	90	282.000	010101898
17	900	53.3	400	762	10	30	208.100	010101468
17	900	53.3	400	960	10	45	253.000	010101612
17	900	53.3	400	1179	10	60	302.000	010101755
17	900	53.3	400	1750	10	90	403.000	010101900
17	1000	59.3	400	802	10	30	268.900	010101470
17	1000	59.3	400	1022	10	45	331.000	010101614
17	1000	59.3	400	1256	10	60	396.000	010101757
17	1000	59.3	400	1900	10	90	530.000	010101902
17	1100	64.7	500		10	30	268.900	010013598
17	1100	64.7	500		10	45	331.000	010013602
17	1100	64.7	500		10	60	396.000	010013606
17	1100	64.7	400	2050	10	90	530.000	010013610
17	1200	70.6	500		10	30	272.900	010013600
17	1200	70.6	500		10	45	336.000	010013604
17	1200	70.6	500		10	60	402.000	010013608
17	1200	70.6	500	2200	10	90	537.400	010013612
33	90	2.8	150	192	5	30	0.230	010101414
33	90	2.8	150	207	5	45	0.280	010101556
33	90	2.8	150	232	5	60	0.290	010101699
33	90	2.8	150	300	5	90	0.350	010101844
33	110	3.4	150	194	5	30	0.500	010101417
33	110	3.4	150	218	5	45	0.560	010101559
33	110	3.4	150	245	5	60	0.580	010101702
33	110	3.4	150	315	5	90	0.700	010101847
33	125	3.9	150	200	5	30	0.610	010101420
33	125	3.9	150	228	5	45	0.680	010101562
33	125	3.9	150	258	5	60	0.765	010101705
33	125	3.9	150	338	5	90	0.920	010101850
33	140	4.3	150	206	5	30	0.800	010101423
33	140	4.3	150	237	5	45	0.900	010101565
33	140	4.3	150	271	5	60	1.010	010101708
33	140	4.3	150	360	5	90	1.220	010101853
33	160	4.9	150	214	5	30	1.100	010101426
33	160	4.9	150	249	5	45	1.220	010101568
33	160	4.9	150	288	5	60	1.380	010101711
33	160	4.9	150	390	5	90	1.690	010101856
33	180	5.5	150	222	5	30	1.450	010101429
33	180	5.5	150	262	5	45	1.600	010101571
33	180	5.5	150	305	5	60	1.840	010101714
33	180	5.5	150	420	5	90	2.290	010101859
33	200	6.2	150	230	5	30	1.800	010101432
33	200	6.2	150	274	5	45	2.070	010101574
33	200	6.2	150	323	5	60	2.380	010101717
33	200	6.2	150	450	5	90	2.900	010101862
33	225	6.9	150	241	5	30	2.350	010101435
33	225	6.9	150	290	5	45	2.760	010101577
33	225	6.9	150	355	5	60	3.200	010101720
33	225	6.9	150	488	5	90	4.100	010101865
33	250	7.7	250	350	5	30	4.400	010101438
33	250	7.7	250	412	5	45	4.770	010101580
33	250	7.7	250	466	5	60	5.400	010101723
33	250	7.7	250	625	5	90	6.600	010101868
33	280	8.6	250	362	5	30	5.450	010101441
33	280	8.6	250	424	5	45	6.220	010101583
33	280	8.6	250	492	5	60	7.100	010101726
33	280	8.6	250	670	5	90	8.800	010101871
33	315	9.7	300	428	5	30	8.100	010101444
33	315	9.7	300	498	5	45	9.210	010101586
33	315	9.7	300	576	5	60	10.500	010101729
33	315	9.7	300	773	5	90	12.800	010101874
33	355	10.9	300	443	5	30	10.800	010101447
33	355	10.9	300	520	5	45	12.400	010101589
33	355	10.9	300	608	5	60	14.200	010101732
33	355	10.9	300	833	5	90	17.600	010101877
33	400	12.3	300	461	5	30	14.100	010101450
33	400	12.3	300	548	5	45	16.400	010101592
33	400	12.3	300	646	5	60	18.900	010101735
33	400	12.3	300	900	5	90	23.800	010101880
33	450	13.8	300	481	5	30	18.400	010101452
33	450	13.8	300	580	5	45	21.800	010101595
33	450	13.8	300	689	5	60	25.400	010101738
33	450	13.8	300	975	5	90	32.300	010101883
33	500	15.3	350	551	5	30	26.200	010101454
33	500	15.3	350	665	5	45	30.700	010101598
33	500	15.3	350	783	5	60	35.600	010101741
33	500	15.3	350	1100	5	90	45.300	010101886
33	560	17.2	350	575	5	30	34.200	010101457
33	560	17.2	350	698	5	45	40.700	010101601

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
33	560	17.2	350	835	5	60	47.500	010101744
33	560	17.2	350	1190	5	90	60.900	010101889
33	630	19.3	350	603	5	30	45.800	010101460
33	630	19.3	350	741	5	45	54.500	010101604
33	630	19.3	350	896	5	60	64.500	010101747
33	630	19.3	350	1295	5	90	83.500	010101892
33	710	21.8	350	636	5	30	60.400	010101463
33	710	21.8	350	792	5	45	74.100	010101607
33	710	21.8	350	965	5	60	88.300	010101750
33	710	21.8	350	1415	5	90	116.000	010101895
33	800	24.5	350	672	5	30	81.400	010101465
33	800	24.5	350	847	5	45	100.000	010101609
33	800	24.5	350	1043	5	60	120.000	010101752
33	800	24.5	350	1550	5	90	159.000	010101897
33	900	27.6	400	762	5	30	113.900	010101467
33	900	27.6	400	960	5	45	133.000	010101611
33	900	27.6	400	1179	5	60	170.000	010101754
33	900	27.6	400	1750	5	90	224.000	010101899
33	1000	30.6	400	802	5	30	159.500	010101469
33	1000	30.6	400	1022	5	45	196.000	010101613
33	1000	30.6	400	1256	5	60	225.000	010101756
33	1000	30.6	400	1900	5	90	304.000	010101901
33	1100	33.3	500		5	30	268.900	010013597
33	1100	33.3	500		5	45	331.000	010013601
33	1100	33.3	500		5	60	396.000	010013605
33	1100	33.3	400	2050	5	90	530.000	010013609
33	1200	36.7	500		5	30	268.900	010013599
33	1200	36.7	500		5	45	331.000	010013603
33	1200	36.7	500		5	60	396.000	010013607
33	1200	36.7	500	2200	5	90	530.000	010013611

All information provided in respect of technical data shall be considered non-binding. This information does not constitute a guarantee of specific properties or qualities and shall not be construed as a warranty in regard to product condition, durability or service life. Subject to modifications and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team: pipingsystems@simona.de.

PE 100 RC Bends, seamless



Product image for illustration purposes only.

Product details:

- black
- seamless, for butt welding and electrofusion welding ($r \sim 1.5 d$), made from pipe SDR 17/SDR 11
- SDR 9 on request, $r \sim 2.5 d$ on request
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
7.4	110	15.1	150	219	11	2.473	010020790
7.4	110	15.1	150	219	22	2.473	010020794
7.4	110	15.1	150	219	30	2.473	010020798
7.4	110	15.1	150	243	45	2.113	010020802
7.4	110	15.1	150	270	60	2.383	010020806
7.4	110	15.1	150	340	90	2.720	010020810
7.4	160	21.9	150	239	11	6.678	010020791
7.4	160	21.9	150	239	22	6.678	010020795
7.4	160	21.9	150	239	30	6.678	010020799
7.4	160	21.9	150	274	45	6.678	010020803
7.4	160	21.9	150	313	60	7.155	010020807
7.4	160	21.9	150	415	90	7.155	010020811
7.4	225	30.8	150	266	11	11.912	010020792
7.4	225	30.8	150	266	22	11.912	010020796
7.4	225	30.8	150	266	30	11.912	010020800
7.4	225	30.8	150	315	45	12.970	010020804
7.4	225	30.8	150	370	60	13.952	010020808
7.4	225	30.8	150	513	90	16.372	010020812
7.4	315	43.1	250	460	11	37.400	010020793
7.4	315	43.1	250	460	22	37.400	010020797
7.4	315	43.1	250	460	30	37.400	010020801
7.4	315	43.1	250	535	45	41.600	010020805
7.4	315	43.1	250	612	60	50.670	010020809
7.4	315	43.1	250	803	90	53.000	010020813
11	32	2.9	70	98	11	0.067	010102728
11	32	2.9	70	98	22	0.077	010102702
11	32	2.9	70	98	30	0.067	010101471
11	32	2.9	70	105	45	0.070	010101615
11	32	2.9	70	113	60	0.100	010101758
11	32	2.9	70	133	90	0.080	010101927
11	40	3.7	75	106	11	0.120	010102729
11	40	3.7	75	106	22	0.100	010102703
11	40	3.7	75	106	30	0.120	010101472
11	40	3.7	75	110	45	0.110	010101616
11	40	3.7	75	125	60	0.120	010101759
11	40	3.7	75	150	90	0.140	010101928
11	50	4.6	80	130	11	0.220	010102731
11	50	4.6	80	130	22	0.200	010102705
11	50	4.6	80	130	30	0.220	010101475
11	50	4.6	80	139	45	0.220	010101619
11	50	4.6	80	158	60	0.240	010101762
11	50	4.6	80	185	90	0.280	010101931
11	63	5.8	90	150	11	0.350	010102733
11	63	5.8	90	150	22	0.350	010102707
11	63	5.8	90	150	30	0.350	010101478
11	63	5.8	90	161	45	0.380	010101622
11	63	5.8	90	173	60	0.440	010101765
11	63	5.8	90	220	90	0.450	010101934
11	75	6.8	100	155	11	0.520	010102735
11	75	6.8	100	155	22	0.580	010102709
11	75	6.8	100	155	30	0.470	010101481
11	75	6.8	100	168	45	0.540	010101625
11	75	6.8	100	182	60	0.600	010101768
11	75	6.8	100	238	90	0.650	010101937

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
11	90	8.2	100	210	11	0.973	010102361
11	90	8.2	100	210	22	0.973	010102377
11	90	8.2	100	210	30	0.970	010101484
11	90	8.2	100	227	45	1.050	010101628
11	90	8.2	100	243	60	0.980	010101771
11	90	8.2	100	310	90	1.060	010101940
11	110	10.0	120	234	11	1.580	010102363
11	110	10.0	120	234	22	1.640	010102379
11	110	10.0	120	234	30	1.580	010101487
11	110	10.0	120	255	45	1.720	010101631
11	110	10.0	120	270	60	1.770	010101774
11	110	10.0	120	315	90	1.870	010101943
11	125	11.4	150	225	11	2.200	010102365
11	125	11.4	150	225	22	2.200	010102381
11	125	11.4	150	225	30	2.180	010101490
11	125	11.4	150	253	45	2.460	010101634
11	125	11.4	150	283	60	2.640	010101777
11	125	11.4	150	363	90	2.920	010101946
11	140	12.7	150	231	11	2.780	010102736
11	140	12.7	150	231	22	2.760	010102710
11	140	12.7	150	231	30	2.510	010101493
11	140	12.7	150	262	45	2.850	010101637
11	140	12.7	150	296	60	3.340	010101780
11	140	12.7	150	385	90	3.720	010101949
11	160	14.6	150	239	11	3.860	010102368
11	160	14.6	150	239	22	3.800	010102384
11	160	14.6	150	239	30	3.590	010101496
11	160	14.6	150	274	45	4.030	010101640
11	160	14.6	150	313	60	4.390	010101783
11	160	14.6	150	415	90	5.320	010101952
11	180	16.4	150	247	11	4.700	010102370
11	180	16.4	150	247	22	4.700	010102386
11	180	16.4	150	247	30	4.700	010101499
11	180	16.4	150	287	45	5.500	010101643
11	180	16.4	150	330	60	6.260	010101786
11	180	16.4	150	445	90	7.100	010101955
11	200	18.2	150	255	11	6.200	010102738
11	200	18.2	150	255	22	6.070	010102712
11	200	18.2	150	255	30	6.320	010101502
11	200	18.2	150	299	45	6.600	010101646
11	200	18.2	150	348	60	8.200	010101789
11	200	18.2	150	475	90	9.120	010101958
11	225	20.5	150	266	11	8.240	010102372
11	225	20.5	150	266	22	7.750	010102388
11	225	20.5	150	266	30	7.750	010101505
11	225	20.5	150	315	45	9.200	010101648
11	225	20.5	150	370	60	10.120	010101792
11	225	20.5	150	513	90	11.430	010101961
11	250	22.7	250	385	11	13.940	010102740
11	250	22.7	250	385	22	13.100	010102389
11	250	22.7	250	385	30	14.000	010101508
11	250	22.7	250	440	45	14.800	010101651
11	250	22.7	250	500	60	17.040	010101795
11	250	22.7	250	650	90	18.700	010101964
11	280	25.4	250	400	11	16.300	010102741
11	280	25.4	250	400	22	16.300	010102714
11	280	25.4	250	400	30	18.280	010101510
11	280	25.4	250	460	45	20.050	010101653
11	280	25.4	250	530	60	24.180	010101798
11	280	25.4	250	695	90	24.300	010101967
11	315	28.6	250	460	11	21.845	010102743
11	315	28.6	250	460	22	21.845	010102392
11	315	28.6	250	460	30	26.000	010101513
11	315	28.6	250	535	45	29.280	010101656
11	315	28.6	250	612	60	32.800	010101801
11	315	28.6	250	803	90	36.800	010101970
11	355	32.2	300	540	11	41.000	010102745
11	355	32.2	300	540	22	37.000	010102717
11	355	32.2	300	540	30	31.700	010102691
11	355	32.2	300	620	45	42.200	010102063
11	355	32.2	300	690	60	41.700	010102668
11	355	32.2	300	900	90	53.300	010102656
11	400	36.3	300	560	11	45.900	010102747
11	400	36.3	300	560	22	45.900	010102719
11	400	36.3	300	560	30	50.200	010102693
11	400	36.3	300	650	45	56.000	010102681
11	400	36.3	300	730	60	55.800	010102670
11	400	36.3	300	980	90	75.000	010102658
11	450	40.9	300	580	11	60.200	010102749
11	450	40.9	300	580	22	60.200	010102721
11	450	40.9	300	580	30	62.000	010102695
11	450	40.9	300	680	45	69.800	010102683
11	450	40.9	300	780	60	76.000	010102672
11	450	40.9	300	1070	90	97.000	010102660

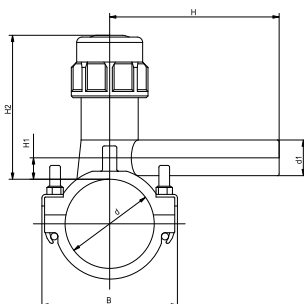
SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
11	500	45.4	350	650	11	83.300	010102751
11	500	45.4	350	650	22	83.300	010102723
11	500	45.4	350	650	30	91.000	010102697
11	500	45.4	350	760	45	102.400	010102685
11	500	45.4	350	880	60	116.500	010102674
11	500	45.4	350	1200	90	151.000	010102662
11	560	50.8	350	680	11	108.600	010102753
11	560	50.8	350	680	22	108.600	010102725
11	560	50.8	350	680	30	116.000	010102699
11	560	50.8	350	800	45	141.000	010102687
11	560	50.8	350	930	60	139.500	010102676
11	560	50.8	350	1290	90	176.000	010102664
11	630	57.2	350	730	11	148.300	010102755
11	630	57.2	350	730	22	171.000	010102727
11	630	57.2	350	730	30	173.000	010102701
11	630	57.2	350	870	45	186.000	010102689
11	630	57.2	350	1000	60	198.000	010102678
11	630	57.2	350	1400	90	239.000	010102666
11	710	64.5	400	900	11	136.900	010022350
11	710	64.5	400	900	22	169.100	010022348
11	710	64.5	400	900	30	192.400	010022347
11	710	64.5	400	900	45	236.200	010022346
11	710	64.5	400	1150	60	280.000	010022345
11	710	64.5	400	1415	90	367.600	010022344
11	800	72.6	400	950	11	179.700	010022364
11	800	72.6	400	950	22	225.900	010022362
11	800	72.6	400	950	30	259.500	010022361
11	800	72.6	400	950	45	340.000	010022360
11	800	72.6	400	1250	60	385.300	010022359
11	800	72.6	400	1550	90	423.000	010022358
11	900	81.8	400	1150	11	513.000	010022502
11	900	81.8	400	1150	22	160.000	010022500
11	900	81.8	400	1150	30	550.000	010022499
11	900	81.8	400	1150	45	516.400	010022498
11	900	81.8	400	1450	60	600.000	010022497
11	900	81.8	400	1750	90	615.000	010022496
17	50	3.0	80	140	11	0.140	010102730
17	50	3.0	80	140	22	0.160	010102704
17	50	3.0	80	140	30	0.160	010101474
17	50	3.0	80	149	45	0.160	010101618
17	50	3.0	80	158	60	0.180	010101761
17	50	3.0	80	195	90	0.170	010101930
17	63	3.8	90	150	11	0.220	010102732
17	63	3.8	90	150	22	0.260	010102706
17	63	3.8	90	150	30	0.250	010101477
17	63	3.8	90	161	45	0.300	010101621
17	63	3.8	90	173	60	0.260	010101764
17	63	3.8	90	220	90	0.320	010101933
17	75	4.5	100	155	11	0.260	010102734
17	75	4.5	100	155	22	0.360	010102708
17	75	4.5	100	155	30	0.390	010101480
17	75	4.5	100	168	45	0.400	010101624
17	75	4.5	100	182	60	0.420	010101767
17	75	4.5	100	238	90	0.460	010101936
17	90	5.4	100	180	11	0.560	010102360
17	90	5.4	100	180	22	0.580	010102376
17	90	5.4	100	180	30	0.660	010101483
17	90	5.4	100	197	45	0.700	010101627
17	90	5.4	100	213	60	0.620	010101770
17	90	5.4	100	280	90	0.860	010101939
17	110	6.6	120	219	11	1.104	010102362
17	110	6.6	120	219	22	1.121	010102378
17	110	6.6	120	219	30	1.180	010101486
17	110	6.6	120	243	45	1.220	010101630
17	110	6.6	120	270	60	1.370	010101773
17	110	6.6	120	340	90	1.240	010101942
17	125	7.4	150	225	11	1.460	010102364
17	125	7.4	150	225	22	1.480	010102380
17	125	7.4	150	225	30	1.460	010101489
17	125	7.4	150	253	45	1.600	010101633
17	125	7.4	150	283	60	1.670	010101776
17	125	7.4	150	363	90	1.900	010101945
17	140	8.3	150	231	11	2.040	010102366
17	140	8.3	150	231	22	1.980	010102382
17	140	8.3	150	231	30	1.800	010101492
17	140	8.3	150	262	45	1.940	010101636
17	140	8.3	150	296	60	2.200	010101779
17	140	8.3	150	385	90	2.660	010101948
17	160	9.5	150	239	11	2.480	010102367
17	160	9.5	150	239	22	2.420	010102383
17	160	9.5	150	239	30	2.560	010101495
17	160	9.5	150	274	45	2.750	010101639
17	160	9.5	150	313	60	3.200	010101782
17	160	9.5	150	415	90	3.360	010101951

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
17	180	10.7	150	247	11	3.200	010102369
17	180	10.7	150	247	22	3.200	010102385
17	180	10.7	150	247	30	3.200	010101498
17	180	10.7	150	287	45	3.500	010101642
17	180	10.7	150	330	60	3.900	010101785
17	180	10.7	150	445	90	4.500	010101954
17	200	11.9	150	255	11	4.100	010102737
17	200	11.9	150	255	22	4.100	010102711
17	200	11.9	150	255	30	4.280	010101501
17	200	11.9	150	299	45	4.600	010101645
17	200	11.9	150	348	60	5.540	010101788
17	200	11.9	150	475	90	6.260	010101957
17	225	13.4	150	266	11	5.340	010102371
17	225	13.4	150	266	22	5.340	010102387
17	225	13.4	150	266	30	5.520	010101504
17	225	13.4	150	315	45	6.150	010102790
17	225	13.4	150	370	60	6.810	010101791
17	225	13.4	150	513	90	7.810	010101960
17	250	14.8	250	385	11	9.660	010102739
17	250	14.8	250	385	22	9.300	010102713
17	250	14.8	250	385	30	9.300	010101507
17	250	14.8	250	440	45	10.400	010101650
17	250	14.8	250	500	60	9.500	010101794
17	250	14.8	250	650	90	12.500	010101963
17	280	16.6	250	400	11	12.680	010102373
17	280	16.6	250	400	22	12.300	010102391
17	280	16.6	250	400	30	13.600	010100348
17	280	16.6	250	460	45	13.600	010100336
17	280	16.6	250	530	60	15.780	010101797
17	280	16.6	250	695	90	17.100	010101966
17	315	18.7	250	460	11	17.700	010102742
17	315	18.7	250	460	22	17.700	010102715
17	315	18.7	250	460	30	17.700	010101512
17	315	18.7	250	535	45	20.000	010101655
17	315	18.7	250	612	60	19.500	010101800
17	315	18.7	250	803	90	25.000	010101969
17	355	21.1	300	540	11	26.220	010102744
17	355	21.1	300	540	22	26.000	010102716
17	355	21.1	300	540	30	26.000	010102690
17	355	21.1	300	620	45	28.500	010102679
17	355	21.1	300	690	60	30.100	010102667
17	355	21.1	300	900	90	41.208	010102655
17	400	23.7	300	560	11	29.800	010102746
17	400	23.7	300	560	22	34.000	010102718
17	400	23.7	300	560	30	29.800	010102692
17	400	23.7	300	650	45	37.000	010102680
17	400	23.7	300	730	60	38.200	010102669
17	400	23.7	300	980	90	49.700	010102657
17	450	26.7	300	580	11	39.100	010102748
17	450	26.7	300	580	22	39.100	010102720
17	450	26.7	300	580	30	39.100	010102694
17	450	26.7	300	680	45	45.300	010102682
17	450	26.7	300	780	60	53.700	010102671
17	450	26.7	300	1070	90	65.400	010102659
17	500	29.7	350	650	11	61.800	010102750
17	500	29.7	350	650	22	54.000	010102722
17	500	29.7	350	650	30	61.800	010102696
17	500	29.7	350	760	45	78.000	010102684
17	500	29.7	350	880	60	73.900	010102673
17	500	29.7	350	1200	90	88.000	010102661
17	560	33.2	350	680	11	82.000	010102752
17	560	33.2	350	680	22	70.300	010102724
17	560	33.2	350	680	30	83.000	010102698
17	560	33.2	350	800	45	93.000	010102686
17	560	33.2	350	930	60	98.200	010102675
17	560	33.2	350	1290	90	120.000	010102663
17	630	37.4	350	730	11	95.800	010102754
17	630	37.4	350	730	22	95.800	010102726
17	630	37.4	350	730	30	95.800	010102700
17	630	37.4	350	870	45	128.000	010102688
17	630	37.4	350	1000	60	132.300	010102677
17	630	37.4	350	1400	90	169.000	010102665
17	710	42.1	400	900	11	93.000	010022357
17	710	42.1	400	900	22	114.900	010022355
17	710	42.1	400	900	30	130.700	010022354
17	710	42.1	400	900	45	263.000	010022353
17	710	42.1	400	1150	60	190.200	010022352
17	710	42.1	400	1415	90	249.800	010022351
17	800	47.4	400	950	11	121.600	010022371
17	800	47.4	400	950	22	152.800	010022369
17	800	47.4	400	950	30	175.600	010022368
17	800	47.4	400	950	45	218.100	010022367
17	800	47.4	400	1250	60	260.700	010022366
17	800	47.4	400	1550	90	312.000	010022365

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
17	900	53.3	450	1150	11	187.500	010022382
17	900	53.3	450	1150	22	231.900	010022380
17	900	53.3	450	1150	30	264.200	010022379
17	900	53.3	450	1150	45	324.900	010022378
17	900	53.3	450	1450	60	385.500	010022377
17	900	53.3	450	1750	90	428.000	010022376
17	1000	59.3	450	1200	11	95.800	010022389
17	1000	59.3	450	1200	22	297.600	010022387
17	1000	59.3	450	1200	30	341.800	010022386
17	1000	59.3	450	1200	45	424.700	010022385
17	1000	59.3	450	1600	60	507.600	010022384
17	1000	59.3	450	1900	90	673.400	010022383

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PE 100 Tapping saddle



Product details:

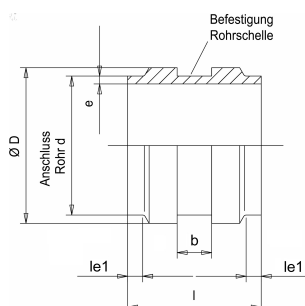
- black
- injected
- Gas up to 10 bar, water up to 16 bar A: with mono block B: with banding, Required tapping tool (1/2" square wrench) not included

Product image for illustration purposes only.

d (mm)	d2 (mm)	H (mm)	H1 (mm)	H2 (mm)	PN (bar)	B (mm)	kg/piece	Art. No.
40	20	105	7	94	16	66	0.350	015700042
40	32	120	12	94	16	66	0.400	015700043
50	20	110	7	94	16	76	0.330	015700044
50	32	120	12	98	16	76	0.360	015700045
63	20	116	7	98	16	92	0.436	015700046
63	32	125	12	98	16	92	0.455	015700047
63	40	148	65	98	16	103	1.070	015700048
63	50	141	65	177	16	103	1.085	015700049
63	63	178	65	177	16	103	1.100	015700050
75	32	127	65	177	16	117	1.000	015700051
75	40	148	65	177	16	117	1.130	015700052
75	50	141	65	177	16	117	1.140	015700053
75	63	178	65	177	16	117	1.150	015700054
90	32	125	18	177	16	124	1.010	015700055
90	40	133	21	116	16	124	1.000	015700056
90	50	141	65	116	16	124	1.680	015700057
90	63	178	65	177	16	124	1.270	015700058
110	32	127	18	177	16	145	0.920	015700059
110	40	137	21	116	16	145	1.060	015700060
110	50	141	65	116	16	145	1.760	015700061
110	63	178	65	177	16	145	1.220	015700062
125	32	130	18	177	16	162	1.020	015700063
125	40	140	21	116	16	162	1.280	015700064
125	50	141	65	116	16	162	1.290	015700065
125	63	178	65	177	16	162	1.310	015700066
140	32	127	65	177	16	178	1.350	015700067
140	40	148	65	177	16	178	1.360	015700068
140	50	141	65	177	16	178	1.370	015700069
140	63	178	65	177	16	178	1.410	015700070
160	32	143	18	177	16	199	1.130	015700071
160	40	156	21	137	16	199	1.360	015700072
160	50	169	25	137	16	199	1.375	015700073
160	63	195	20	137	16	199	1.390	015700074
180	32	143	18	137	16	219	1.565	015700075
180	40	156	21	137	16	219	1.580	015700076
180	50	169	25	137	16	219	1.595	015700077
180	63	195	20	137	16	219	1.605	015700078
200	32	127	47	126	16	202	1.200	015700079
200	40	148	47	135	16	202	1.760	015700080
200	50	141	52	150	16	202	1.770	015700081
200	63	178	52	183	16	202	1.780	015700082
225	32	127	47	126	16	229	1.810	015700083
225	40	148	47	135	16	229	1.820	015700084
225	50	141	52	150	16	229	1.820	015700085
225	63	178	52	183	16	229	1.840	015700086
250	32	127	47	126	16	259	1.200	015700087
250	40	148	47	135	16	259	1.140	015700088
250	50	141	52	150	16	259	1.589	015700089
250	63	178	52	183	16	259	1.629	015700090

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PE 100 Fixing points for pipe clamps



Product details:

- black
- fabricated from pipes and machined parts, for butt welding

Product image for illustration purposes only.

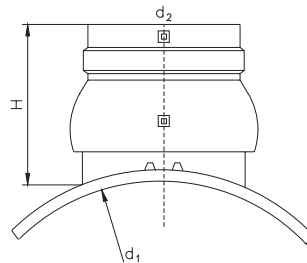
SDR	d (mm)	e (mm)	D (mm)	b (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.
11	50	4.6	63	42	20	190	0.240	015400095
11	63	5.8	75	42	15	190	0.330	015400096
11	75	6.8	90	42	15	190	0.650	015400097
11	90	8.2	110	42	15	190	0.780	015400098
11	110	10.0	125	52	30	240	1.050	015400099
11	125	11.4	140	52	30	240	1.310	015400100
11	140	12.7	160	52	30	240	1.740	015400101
11	160	16.4	180	52	30	240	2.220	015400102
11	180	14.6	200	52	30	240	2.900	015400103
11	200	18.2	225	52	30	240	3.380	015400104
11	225	20.5	250	52	30	240	4.130	015400105
11	250	22.7	280	62	30	240	5.500	015400106
11	280	25.4	315	62	30	240	6.460	015400107
11	315	28.6	355	62	30	240	8.210	015400108
11	355	32.2	400	62	40	300	13.600	015400109
11	400	36.3	450	72	40	300	16.900	015400110
11	450	40.9	500	72	40	300	20.800	015400111
11	500	45.4	560	72	40	300	32.500	015400112
17	50	3.0	63	42	15	190	0.180	015400077
17	63	3.8	75	42	15	190	0.260	015400078
17	75	4.5	90	42	15	190	0.450	015400079
17	90	5.4	110	42	15	190	0.700	015400080
17	110	6.6	125	52	30	240	0.800	015400081
17	125	7.4	140	52	30	240	0.980	015400082
17	140	8.3	160	52	30	240	1.310	015400083
17	160	9.5	180	52	30	240	1.800	015400084
17	180	10.7	200	52	30	240	1.960	015400085
17	200	11.9	225	52	30	240	2.800	015400086
17	225	13.4	250	52	30	240	3.050	015400087
17	250	14.9	280	62	30	240	3.800	015400088
17	280	16.6	315	62	30	240	4.810	015400089
17	315	18.7	355	62	30	240	6.100	015400090
17	355	21.1	400	62	40	300	10.200	015400091
17	400	23.7	450	72	40	300	12.600	015400092
17	450	26.7	500	72	40	300	15.200	015400093
17	500	29.7	560	72	40	300	19.300	015400094

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PE 100 External saddle with articulated electrofusion socket



Product image for illustration purposes only.



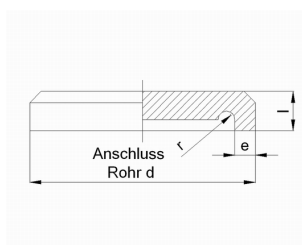
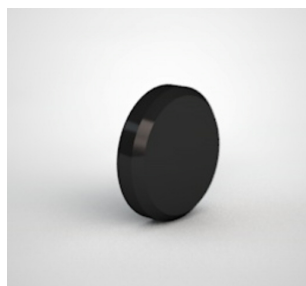
Product details:

- black
- injected, for electrofusion welding, Model LF
- suitable for electrofusion connection of service pipes to PE sewer pipes as part of open-trench installation*

d (mm)	d1 (mm)	d2 (mm)	Art. No.
200	200	160	010013651
225	225	160	024100035
250	250	160	024100036
280	280	160	024100037
315	315	160	024100038
355	355	160	024100039
400	400	160	024100040
450	450	160	010006407
500	500	160	010006408
560	560	160	010006409
630	630	160	010022173
710	710	160	010022174

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PE 100 End caps, machined



Product details:

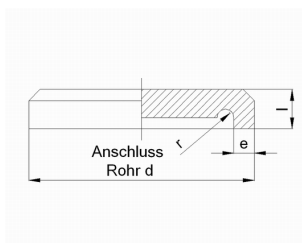
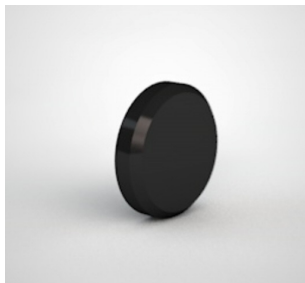
- black
- machined, for butt welding
- SDR 33 on request
- DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	250	22.7	16	55	2.650	013900244
11	280	25.4	16	60	3.500	013900247
11	315	28.6	16	65	4.500	013900250
11	355	32.2	16	75	5.300	013900253
11	400	36.3	16	80	7.420	013900256
11	450	40.9	16	90	10.600	013900259
11	500	45.4	16	85	14.600	013900262
11	560	50.8	16	100	21.000	013900265
11	630	57.2	16	105	33.900	013900268
17	250	14.8	10	50	1.660	013900243
17	280	16.6	10	55	2.860	013900246
17	315	18.7	10	60	3.100	013900249
17	355	21.1	10	65	4.580	013900252
17	400	23.7	10	70	6.400	013900255
17	450	26.7	10	80	8.900	013900258
17	500	29.7	10	85	12.100	013900261
17	560	33.2	10	100	16.700	013900264
17	630	37.4	10	100	23.900	013900267
17	710	42.1	10	120	34.000	013900270
17	800	47.4	10	130	47.500	013900272

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PE 100 FM-Line End caps, machined



Product details:

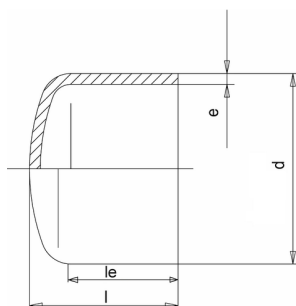
- black
- machined, for butt welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	315	28.6	16	65	4.500	010025103
11	355	32.2	16	75	5.300	010025104
11	400	36.3	16	80	7.420	010025105
11	450	40.9	16	90	10.600	010025106
11	500	45.4	16	85	14.600	010025107
11	560	50.8	16	100	21.000	010025108
11	630	57.2	16	105	33.900	010025109

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PE 100 RC End caps, injected



Product details:

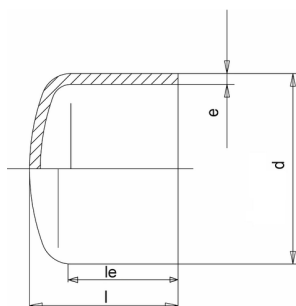
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le (mm)	PN (bar)	Length (mm)	Art. No.
11	20	1.9	41	16	49	013900314
11	25	2.3	41	16	50	013900315
11	32	2.9	46	16	56	013900316
11	40	3.7	49	16	61	013900317
11	50	4.6	58	16	71	013900320
11	63	5.8	66	16	84	013900323
11	75	6.8	73	16	94	013900326
11	90	8.2	82	16	109	013900329
11	110	10.0	88	16	122	013900332
11	125	11.4	93	16	128	013900335
11	140	12.7	97	16	136	013900338
11	160	14.6	108	16	156	013900341
11	180	16.4	113	16	167	013900344
11	200	18.2	117	16	180	013900347
11	225	20.5	127	16	203	013900350
11	250	22.7	138	16	217	019600003
11	280	25.4	151	16	239	019600056
11	315	28.6	158	16	256	019600062
11	355	32.2	175	16	291	019600058
11	400	36.3	193	16	316	019600060
17	50	3.0	59	10	70	013900319
17	63	3.8	66	10	83	013900322
17	75	4.5	72	10	94	013900325
17	90	5.4	81	10	109	013900328
17	110	6.6	88	10	121	013900331
17	125	7.4	92	10	127	013900334
17	140	8.3	97	10	136	013900337
17	160	9.5	107	10	155	013900340
17	180	10.7	114	10	166	013900343
17	200	11.9	117	10	179	013900346
17	225	13.4	127	10	203	013900349
17	250	14.8	140	10	216	019600054
17	280	16.6	149	10	238	019600055
17	315	18.7	158	10	258	019600061
17	355	21.1	175	10	281	019600057
17	400	23.7	195	10	310	019600059

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PE 100 RC FM-Line End caps, injected



Product details:

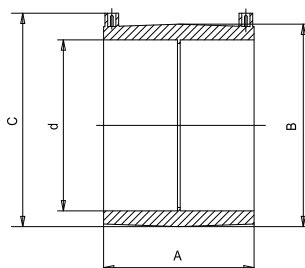
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	90	8.2	16	109	0.226	010024846
11	110	10.0	16	122	0.380	010024847
11	125	11.4	16	128	0.530	010024848
11	140	12.7	16	136	0.715	010024849
11	160	14.6	16	156	1.085	010024850
11	180	16.4	16	167	1.430	010024851
11	200	18.2	16	180	1.930	010024852
11	225	20.5	16	203	2.730	010024853
11	250	22.7	16	217	3.645	010024854
11	280	25.4	16	239	4.975	010024855
11	315	28.6	16	256	6.865	010024856
11	355	32.2	16	291	9.710	010024857
11	400	36.3	16	316	13.680	010024858

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PE 100 Electrofusion sockets - pressure PN 16



Product details:

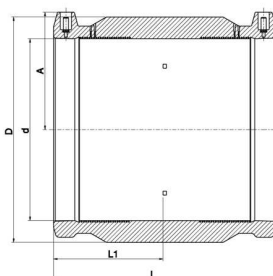
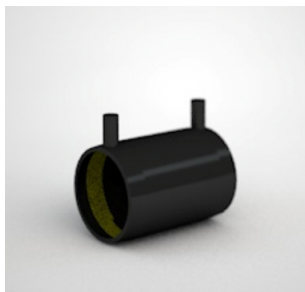
- black
- suitable for pipes SDR 17 up to SDR 11
- Gas up to PN 10, water up to PN 16, > d 450 separate welding zones, connection contact: 4.0 mm
- DVGW GW 335/B2, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

d (mm)	PN (bar)	A (mm)	B (mm)	C (mm)	kg/piece	Art. No.
25	16	82	33	54	0.060	014300104
32	16	82	43	63	0.070	014300105
40	16	89	52	71	0.108	014300106
50	16	99	64	64	0.154	014300107
63	16	105	77	100	0.232	014300108
75	16	124	95	113	0.340	014300109
90	16	125	109	133	0.405	014300110
110	16	164	132	154	0.720	014300111
125	16	155	151	176	0.880	014300112
140	16	194	162	183	1.120	014300113

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PE 100 Electrofusion sockets - pressure PN 16



Product details:

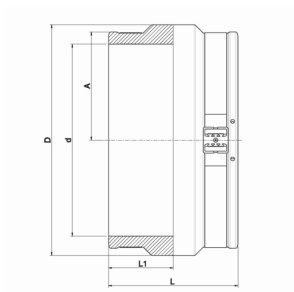
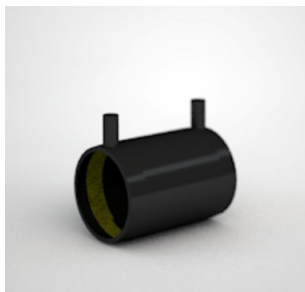
- black
- suitable for pipes SDR 17 up to SDR 11
- Gas up to PN 10, water up to PN 16, > d 450 separate welding zones, connection contact: 4.0 mm
- DVGW GW 335/B2, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

d (mm)	L (mm)	PN (bar)	A (mm)	kg/piece	Art. No.
160	195	16	105	1.550	014300114
180	212	16	116	2.112	014300115
200	223	16	126	2.785	014300116
225	240	16	138	3.900	014300117
250	246	16	150	4.461	014300118
280	275	16	170	6.440	014300134
315	282	16	184	8.845	014300119
355	277	16	203	10.200	014300180
400	293	16	231	13.800	014300181

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PE 100 Electrofusion sockets - pressure PN 16



Product details:

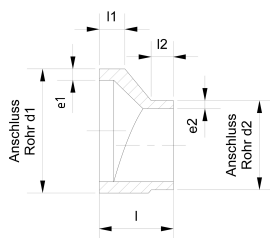
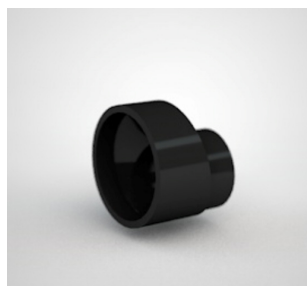
- black
- suitable for pipes SDR 17 up to SDR 11
- Gas up to PN 10, water up to PN 16, > d 450 separate welding zones, connection contact: 4.0 mm
- DVGW GW 335/B2, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

d (mm)	L (mm)	PN (bar)	A (mm)	kg/piece	Art. No.
450	306	16	257	16.000	014300129
500	340	16	283	20.200	014300130
560	376	16	317	28.000	010017953
630	418	16	356	39.200	010017954
710	472	16	400	55.700	010019047
800	500	16	450	57.300	010019048

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PE 100 Reducers excentric, machined



Product details:

- black
- machined, for butt welding
- DIN EN ISO 15494/B, DIN EN 12201/3

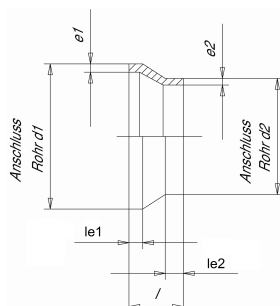
Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	160	90	14.6	8.2	54	40	140	0.980	015000532
11	160	110	14.6	10	45	40	120	0.780	015000533
11	160	125	14.6	11.4	44	40	110	0.800	015000534
11	160	140	14.6	12.8	43	40	100	0.700	015000535
11	180	125	16.4	11.4	52	40	130	1.160	015000536
11	180	140	16.4	12.8	51	40	120	1.100	015000537
11	180	160	16.4	14.6	43	40	100	0.900	015000538
11	200	140	18.2	12.8	50	40	130	1.400	015000539
11	200	160	18.2	14.6	51	40	120	1.320	015000540
11	200	180	18.2	16.4	43	40	100	1.070	015000541
11	225	160	20.5	14.6	57	40	140	1.960	015000542
11	225	180	20.5	16.4	48	40	120	1.600	015000543
11	225	200	20.5	18.2	50	40	110	1.500	015000544
11	250	180	22.8	16.4	64	40	150	2.700	015000545
11	250	200	22.8	18.2	55	40	130	2.260	015000546
11	250	225	22.8	20.5	50	40	110	1.860	015000547
11	280	200	25.5	18.2	68	40	160	3.680	015000548
11	280	225	25.5	20.5	62	40	140	3.100	015000549
11	280	250	25.5	22.8	57	40	120	2.600	015000550
11	315	225	28.7	20.5	72	40	170	5.000	015000551
11	315	250	28.7	22.8	67	40	150	4.300	015000552
11	315	280	28.7	25.5	64	40	130	3.660	015000553
11	355	250	32.3	22.8	84	40	190	7.200	015000554
11	355	280	32.3	25.5	71	40	150	5.200	015000555
11	355	315	32.3	28.7	61	40	130	4.600	015000556
11	400	280	36.4	25.5	85	40	200	9.500	015000557
11	400	315	36.4	28.7	75	40	170	7.800	015000558
11	400	355	36.4	32.3	68	40	140	6.300	015000559
11	450	315	41.0	28.7	96	40	220	13.600	015000560
11	450	355	41.0	32.3	89	40	190	11.500	015000561
11	450	400	41.0	36.4	75	40	150	8.600	015000562
11	500	315	45.5	28.7	107	40	260	20.100	015000563
11	500	355	45.5	32.3	101	40	230	17.500	015000564
11	500	400	45.5	36.4	96	40	200	14.900	015000565
11	500	450	45.5	41	85	40	160	11.400	015000566
11	560	450	51.0	41	101	40	210	19.700	015000567
11	560	500	51.0	45.5	90	60	190	15.300	015000568
11	630	500	57.3	45.5	109	60	250	27.400	015000569
11	630	560	57.3	51	94	60	200	20.500	015000570
17	160	90	9.5	5.4	54	40	140	0.700	015000463
17	160	110	9.5	6.6	45	40	120	0.500	015000464
17	160	125	9.5	7.4	44	40	110	0.400	015000465
17	160	140	9.5	8.3	43	40	100	0.340	015000466
17	180	125	10.7	7.4	52	40	130	0.700	015000467
17	180	140	10.7	8.3	51	40	120	0.560	015000468
17	180	160	10.7	9.5	43	40	100	0.320	015000469
17	200	140	11.9	8.3	50	40	130	0.900	015000470
17	200	160	11.9	9.5	51	40	120	0.660	015000471
17	200	180	11.9	10.7	43	40	100	0.540	015000472
17	225	160	13.4	9.5	57	40	140	1.200	015000473
17	225	180	13.4	10.7	48	40	120	0.900	015000474
17	225	200	13.4	11.9	40	40	100	0.700	015000475
17	250	180	14.8	10.7	54	40	140	1.400	015000476
17	250	200	14.8	11.9	55	40	130	1.100	015000477

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
17	250	225	14.8	13.4	40	40	100	0.800	015000478
17	280	200	16.6	11.9	68	40	160	2.500	015000479
17	280	225	16.6	13.4	52	40	130	2.050	015000480
17	280	250	16.6	14.8	47	40	110	1.700	015000481
17	315	225	18.7	13.4	62	40	160	3.800	015000482
17	315	250	18.7	14.8	57	40	140	2.100	015000483
17	315	280	18.7	16.6	54	40	120	1.400	015000484
17	355	250	21.1	14.8	74	40	180	5.200	015000485
17	355	280	21.1	16.6	61	40	150	3.900	015000486
17	355	315	21.1	18.7	51	40	120	2.900	015000487
17	400	280	23.7	16.6	85	40	200	7.600	015000488
17	400	315	23.7	18.7	75	40	170	6.000	015000489
17	400	355	23.7	21.1	58	40	130	4.100	015000490
17	450	315	26.7	18.7	86	40	210	9.900	015000491
17	450	355	26.7	21.1	79	40	180	8.100	015000492
17	450	400	26.7	23.7	65	40	140	5.600	015000493
17	500	315	29.7	18.7	107	40	260	13.600	015000494
17	500	355	29.7	21.1	91	40	220	12.800	015000495
17	500	400	29.7	23.7	86	40	190	10.600	015000496
17	500	450	29.7	26.7	65	40	140	6.900	015000497
17	560	450	33.2	26.7	91	40	200	13.900	015000498
17	560	500	33.2	29.7	70	60	170	9.300	015000499
17	630	500	37.4	29.7	99	60	240	19.700	015000500
17	630	560	37.4	33.2	84	60	190	13.800	015000501
33	160	90	4.9	2.8	54	40	140	0.710	015000605
33	160	110	4.9	3.4	45	40	120	0.510	015000606
33	160	125	4.9	3.9	44	40	110	0.410	015000607
33	160	140	4.9	4.3	33	40	90	0.310	015000608
33	180	125	5.5	3.9	52	40	130	0.710	015000609
33	180	140	5.5	4.3	41	40	110	0.510	015000610
33	180	160	5.5	4.9	33	40	90	0.310	015000611
33	200	140	6.2	4.3	50	40	130	0.910	015000612
33	200	160	6.2	4.9	41	40	110	0.610	015000613
33	200	180	6.2	5.5	33	40	90	0.410	015000614
33	225	160	6.9	4.9	57	40	140	1.160	015000615
33	225	180	6.9	5.5	48	40	120	0.910	015000616
33	225	200	6.9	6.2	40	40	100	0.610	015000617
33	250	180	7.7	5.5	54	40	140	1.420	015000618
33	250	200	7.7	6.2	45	40	120	1.500	015000619
33	250	225	7.7	6.9	40	40	100	0.810	015000620
33	280	200	8.6	6.2	58	40	150	2.030	015000621
33	280	225	8.6	6.9	52	40	130	1.820	015000622
33	280	250	8.6	7.7	47	40	110	1.110	015000623
33	315	225	9.7	6.9	62	40	160	2.720	015000624
33	315	250	9.7	7.7	57	40	140	2.480	015000625
33	315	280	9.7	8.6	44	40	110	1.950	015000626
33	355	250	10.9	7.7	74	40	180	4.100	015000627
33	355	280	10.9	8.6	61	40	150	2.900	015000628
33	355	315	10.9	9.7	51	40	120	2.040	015000629
33	400	315	12.3	9.7	65	40	160	5.000	015000631
33	400	355	12.3	10.9	48	40	120	2.400	015000632
33	450	315	13.8	9.7	86	40	210	8.340	015000633
33	450	355	13.8	10.9	69	40	170	5.400	015000634
33	450	400	13.8	12.3	55	40	130	3.420	015000635
33	500	315	15.3	9.7	107	40	260	15.020	015000636
33	500	355	15.3	10.9	91	40	220	10.100	015000637
33	500	400	15.3	12.3	76	40	180	7.100	015000638
33	500	450	15.3	13.8	55	40	130	4.160	015000639
33	560	450	17.2	13.8	81	40	190	9.400	015000640
33	560	500	17.2	15.3	60	40	140	5.600	015000641
33	630	500	19.3	15.3	89	40	210	13.500	015000642
33	630	560	19.3	17.2	74	40	160	8.700	015000643
33	710	630	21.8	19.3	78	40	170	11.800	015000644
33	800	710	24.5	21.8	82	40	180	15.800	015000645
33	900	800	27.6	24.5	86	40	190	21.100	015000646
33	1000	900	30.6	27.6	86	40	190	25.400	015000647

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PE 100 RC Reducers concentric, injected



Product details:

- black
- injected, for butt welding
- DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	25	20	2.3	2	20	20	68	0.004	014900885
11	32	20	3.0	2	23	23	68	0.014	014900886
11	32	25	3.0	2.3	25	25	68	0.017	014900887
11	40	20	3.7	1.9	18	13	50	0.014	014900888
11	40	25	3.7	2.3	20	20	62	0.021	014900889
11	40	32	3.7	3	25	25	62	0.024	014900890
11	50	25	4.6	2.3	25	25	85	0.040	014900891
11	50	32	4.6	3	20	20	70	0.038	014900892
11	50	40	4.6	3.7	25	25	80	0.050	014900893
11	63	32	5.8	3	26	27	89	0.066	014900894
11	63	40	5.8	3.7	35	21	89	0.075	014900895
11	63	50	5.8	4.6	25	25	87	0.085	014900896
11	75	32	6.8	2.9	25	10	70	0.072	014900897
11	75	40	6.8	3.7	30	25	70	0.075	014901062
11	75	50	6.8	4.6	30	28	70	0.080	014900898
11	75	63	6.8	5.8	25	25	82	0.115	014900899
11	90	50	8.2	4.6	30	28	93	0.152	014900900
11	90	63	8.2	5.8	28	28	92	0.172	014900901
11	90	75	8.2	6.8	30	28	91	0.180	014901063
11	110	50	10.0	4.6	28	14	90	0.225	014900902
11	110	63	10.0	5.8	40	36	105	0.245	014900903
11	110	75	10.0	6.8	40	28	96	0.245	014900904
11	110	90	10.0	8.2	40	41	104	0.285	014900905
11	125	63	11.4	5.8	35	20	97	0.373	014900906
11	125	75	11.4	6.8	32	19	98	0.310	014900907
11	125	90	11.4	8.2	42	41	110	0.370	014900908
11	125	110	11.4	10	40	40	100	0.395	014900909
11	140	75	12.7	6.8	52	41	135	0.540	014900910
11	140	90	12.7	8.2	53	42	131	0.535	014900911
11	140	110	12.7	10	50	40	120	0.550	014900912
11	140	125	12.7	11.4	51	40	120	0.580	014900913
11	160	90	14.6	8.2	48	34	141	0.710	014900914
11	160	110	14.6	10	40	34	130	0.670	014900915
11	160	125	14.6	11.4	40	32	122	0.720	014900916
11	160	140	14.6	12.7	49	38	125	0.745	014900917
11	180	90	16.4	8.2	50	40	145	0.925	014900918
11	180	110	16.4	10	55	42	150	1.020	014900919
11	180	125	16.4	11.4	52	40	143	1.020	014900920
11	180	140	16.4	12.7	51	47	135	1.015	014900921
11	180	160	16.4	14.6	60	50	140	1.140	014900922
11	200	140	18.2	12.7	62	42	145	1.315	014900923
11	200	160	18.2	14.6	63	54	145	1.340	014900924
11	200	180	18.2	16.4	62	54	145	1.495	014900925
11	225	140	20.5	12.7	62	49	150	1.655	014900926
11	225	160	20.5	14.6	65	53	160	1.810	014900927
11	225	180	20.5	16.4	64	59	160	1.800	014900928
11	225	200	20.5	18.2	63	53	148	1.805	014900929
11	250	160	22.7	14.6	65	53	177	2.330	014900930
11	250	180	22.7	16.4	65	58	175	2.465	014900931
11	250	200	22.7	18.2	64	64	180	2.700	014900932
11	250	225	22.7	20.5	65	65	180	3.025	014900933
11	280	200	25.4	18.2	75	54	214	3.780	014900934
11	280	225	25.4	20.5	75	58	210	3.860	014900935
11	280	250	25.4	22.7	75	60	206	4.155	014900936

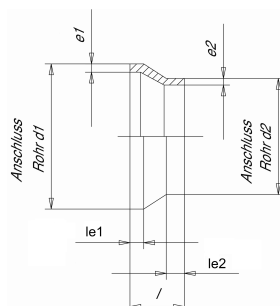
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	315	200	28.6	18.8	80	50	225	4.980	014900937
11	315	225	28.6	20.5	84	57	237	5.480	014900938
11	315	250	28.6	22.7	86	64	236	5.415	014900986
11	315	280	28.6	25.4	86	72	231	5.600	014900939
17	63	32	5.8	3	26	27	89	0.050	014900812
17	63	50	3.8	3	29	27	87	0.055	014900814
17	75	50	4.5	3	30	28	70	0.074	014900817
17	75	63	4.5	3.8	25	25	82	0.078	014900818
17	90	50	5.4	3	30	28	93	0.106	014900819
17	90	63	5.4	3.8	28	28	92	0.118	014900820
17	90	75	5.4	4.5	30	27	90	0.122	014900821
17	110	50	6.6	3	28	20	93	0.140	014900822
17	110	63	6.6	3.8	40	36	105	0.180	014900823
17	110	75	6.6	4.5	40	28	96	0.180	014900824
17	110	90	6.6	5.4	41	40	103	0.194	014900825
17	125	63	7.4	3.8	35	20	97	0.279	014900826
17	125	75	7.4	4.5	30	20	98	0.195	014900827
17	125	90	7.4	5.4	41	41	114	0.270	014900828
17	125	110	7.4	6.6	40	40	100	0.275	014900829
17	140	75	8.3	4.5	52	41	135	0.365	014900830
17	140	90	8.3	5.4	53	42	131	0.365	014900831
17	140	110	8.3	6.6	53	43	120	0.375	014900470
17	140	125	8.3	7.4	54	43	124	0.400	014900471
17	160	90	9.5	5.4	48	34	141	0.475	014900832
17	160	110	9.5	6.6	40	34	126	0.460	014900833
17	160	125	9.5	7.4	40	32	122	0.460	014900834
17	160	140	9.5	8.3	49	38	125	0.525	014900835
17	180	90	10.7	5.4	53	42	145	0.650	014900836
17	180	110	10.7	6.6	55	42	150	0.680	014900837
17	180	125	10.7	7.4	52	40	143	0.705	014900472
17	180	140	10.7	8.3	51	47	135	0.670	014900838
17	180	160	10.7	9.5	60	50	140	0.750	014900839
17	200	140	11.9	8.3	62	42	145	0.895	014900840
17	200	160	11.9	9.5	62	52	145	0.945	014900841
17	200	180	11.9	10.7	62	54	145	0.970	014900842
17	225	140	13.4	8.3	62	48	157	1.155	014900843
17	225	160	13.4	9.5	60	50	160	1.215	014900844
17	225	180	13.4	10.7	64	57	166	1.215	014900845
17	225	200	13.4	11.9	62	52	149	1.210	014900473
17	250	160	14.8	9.5	64	52	174	1.610	014900846
17	250	180	14.8	10.7	64	58	175	1.710	014900847
17	250	200	14.8	11.9	65	65	186	1.900	014900848
17	250	225	14.8	13.4	65	65	180	1.990	014900849
17	280	200	16.6	11.9	75	54	214	2.570	014900850
17	280	225	16.6	13.4	70	50	200	2.505	014901047
17	280	250	16.6	14.8	73	62	200	2.680	014900474
17	315	200	18.7	11.9	80	50	225	3.360	014900851
17	315	225	18.7	13.4	84	59	237	3.560	014900852
17	315	250	18.7	14.8	88	64	234	3.695	014900475
17	315	280	18.7	16.6	85	72	227	3.940	014901048

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PE 100 RC FM-Line Reducers concentric, injected



Product image for illustration purposes only.



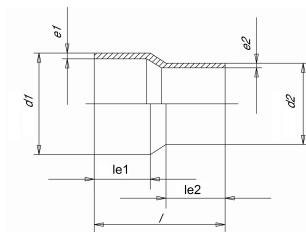
Product details:

- black
- injected, for butt welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	kg/piece	Art. No.
11	110	90	10.0	8.2	104	0.285	010024859
11	125	90	11.4	8.2	110	0.370	010024860
11	125	110	11.4	10	100	0.395	010024861
11	140	90	12.7	8.2	131	0.540	010024862
11	140	110	12.7	10	120	0.540	010024863
11	140	125	12.7	11.4	120	0.590	010024864
11	160	90	14.6	8.2	141	0.710	010024865
11	160	110	14.6	10	130	0.670	010024866
11	160	125	14.6	11.4	122	0.720	010024867
11	160	140	14.6	12.7	125	0.745	010024868
11	180	90	16.4	8.2	145	0.925	010024869
11	180	110	16.4	10	150	1.020	010024870
11	180	125	16.4	11.4	143	1.020	010024871
11	200	140	18.2	12.7	145	1.315	010024872
11	200	160	18.2	14.6	145	1.340	010024873
11	200	180	18.2	16.4	145	1.475	010024874
11	225	160	20.5	14.6	160	1.795	010024875
11	225	180	20.5	16.4	160	1.800	010024876
11	225	200	20.5	18.2	148	1.805	010024877
11	250	160	22.7	14.6	177	2.305	010024878
11	250	180	22.7	16.4	175	2.465	010024879
11	250	200	22.7	18.2	180	2.810	010024880
11	250	225	22.7	20.5	180	3.025	010024881
11	280	200	25.4	18.2	214	3.780	010024882
11	280	225	25.4	20.5	210	3.860	010024883
11	280	250	25.4	22.7	206	4.155	010024884
11	315	225	28.6	20.5	237	5.260	010024885
11	315	250	28.6	22.7	236	5.710	010024886
11	315	280	28.6	25.4	231	5.600	010024887

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PE 100 RC Reducers concentric, injected



Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

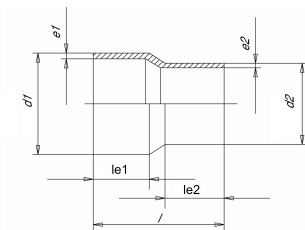
Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	Art. No.
11	25	20	2.3	1.9	41	41	90	010013260
11	32	20	3.0	2	44	41	101	010013261
11	32	25	3.0	2.3	44	41	100	010013262
11	40	25	3.7	2.3	49	41	104	010013264
11	40	32	3.7	2.9	49	44	105	010013265
11	50	25	4.6	2.3	56	42	132	010013266
11	50	32	4.6	2.9	57	47	132	010013267
11	50	40	4.6	3.7	55	51	134	010013268
11	63	32	5.8	2.9	63	44	144	010013269
11	63	40	5.8	3.7	63	49	147	010013270
11	63	50	5.8	4.6	64	58	152	010013271
11	75	50	6.8	4.6	70	55	155	010013273
11	75	63	6.8	5.8	70	65	171	010013274
11	90	50	8.2	4.6	79	57	174	010013275
11	90	63	8.2	5.8	79	70	182	010013276
11	90	75	8.2	6.8	79	70	180	010013277
11	110	63	10.0	5.8	84	69	185	010013279
11	110	75	10.0	6.8	84	74	185	010013280
11	110	90	10.0	8.2	84	81	186	010013281
11	125	63	11.4	5.8	91	69	200	010013282
11	125	90	11.4	8.2	91	80	202	010013283
11	125	110	11.4	10	90	90	200	010013284
11	140	90	12.7	8.2	112	86	237	010013286
11	140	110	12.7	10	116	90	230	010013287
11	140	125	12.7	11.4	117	96	235	010013288
11	160	90	14.6	8.2	109	84	254	010013289
11	160	110	14.6	10	110	89	254	010013290
11	160	125	14.6	11.4	110	95	254	010013291
11	160	140	14.6	12.7	110	106	254	010013292
11	180	90	16.4	8.2	106	79	245	010013293
11	180	110	16.4	10	124	93	275	010013294
11	180	125	16.4	11.4	105	87	245	010013295
11	180	160	16.4	14.6	126	125	279	010013297
11	200	140	18.2	12.7	123	114	279	010013298
11	200	160	18.2	14.6	122	122	277	010013299
11	200	180	18.2	16.4	126	120	279	010013300
11	225	160	20.5	14.6	132	123	295	010013302
11	225	180	20.5	16.4	130	118	285	010013303
11	225	200	20.5	18.2	126	120	272	010013304
11	250	160	22.7	14.6	149	100	308	010013305
11	250	180	22.7	16.4	151	105	316	010013306
11	250	200	22.7	18.2	151	116	324	010013307
11	250	225	22.7	20.5	155	122	330	010013308
11	280	200	25.4	18.2	140	116	345	010013309
11	280	225	25.4	20.5	142	122	335	010013310
11	280	250	25.4	22.7	139	135	340	010013311
11	315	225	28.6	20.5	150	125	365	010013312
11	315	250	28.6	22.7	150	134	365	010013313
11	315	280	28.6	25.4	150	145	365	010013314
17	63	32	3.8	2.9	63	46	142	019700198
17	63	50	3.8	3	64	58	152	019700200
17	75	63	4.5	3.8	70	63	166	014900879
17	90	63	5.4	3.8	79	63	182	014900880
17	90	75	5.4	4.5	80	73	185	014900881

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	Art. No.
17	110	63	6.6	3.8	84	69	185	014900795
17	110	75	6.6	4.5	83	73	183	019700273
17	110	90	6.6	5.4	83	80	185	014900796
17	125	63	7.4	3.8	90	68	200	014900797
17	125	90	7.4	5.4	90	81	200	014900798
17	125	110	7.4	6.6	91	90	200	014900799
17	140	90	8.3	5.4	112	86	235	019700432
17	140	110	8.3	6.6	114	91	237	019700222
17	140	125	8.3	7.4	117	96	235	014900882
17	160	90	9.5	5.4	109	84	254	014900800
17	160	110	9.5	6.6	110	89	254	014900211
17	160	125	9.5	7.4	110	95	254	014900801
17	160	140	9.5	8.3	110	106	254	014900802
17	180	90	10.7	5.4	105	80	244	019700326
17	180	110	10.7	6.6	124	93	275	019700441
17	180	125	10.7	7.4	105	87	250	014900883
17	180	140	10.7	8.3	123	114	277	019700223
17	180	160	10.7	9.5	126	125	279	014900884
17	200	140	11.9	8.3	123	114	279	019700442
17	200	160	11.9	9.5	122	124	278	014900212
17	200	180	11.9	10.7	126	120	279	019700224
17	225	140	13.4	8.3	133	114	290	014900803
17	225	160	13.4	9.5	134	123	295	014900213
17	225	180	13.4	10.7	125	118	275	014900804
17	225	200	13.4	11.9	126	120	272	019700443
17	250	160	14.8	9.5	151	98	308	014901043
17	250	180	14.8	10.7	153	105	316	014901044
17	250	200	14.8	11.9	154	113	325	014901045
17	250	225	14.8	13.4	155	122	330	014901046
17	280	200	16.6	11.9	142	116	330	019700146
17	280	225	16.6	13.4	140	124	335	019700140
17	280	250	16.6	14.8	139	134	340	019700147
17	315	225	18.7	13.4	152	125	371	019700148
17	315	250	18.7	14.8	151	133	367	019700134
17	315	280	18.7	16.6	150	140	369	019700159

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PE 100 RC FM-Line Reducers concentric, injected



Product details:

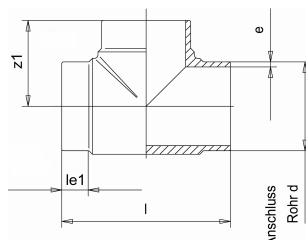
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	kg/piece	Art. No.
11	110	90	10.0	8.2	186	0.500	010024888
11	125	90	11.4	8.2	202	0.655	010024889
11	125	110	11.4	10	200	0.760	010024890
11	140	90	12.7	8.2	237	0.940	010024891
11	140	110	12.7	10	230	1.035	010024892
11	140	125	12.7	11.4	235	1.120	010024893
11	160	90	14.6	8.2	254	1.280	010024894
11	160	110	14.6	10	254	1.335	010024895
11	160	125	14.6	11.4	254	1.420	010024896
11	160	140	14.6	12.7	254	1.595	010024897
11	180	90	16.4	8.2	245	1.495	010024898
11	180	110	16.4	10	275	1.795	010024899
11	180	125	16.4	11.4	245	1.725	010024900
11	180	160	16.4	14.6	279	2.100	010024901
11	200	140	18.2	12.7	279	2.325	010024902
11	200	160	18.2	14.6	277	2.420	010024903
11	200	180	18.2	16.4	279	2.720	010024904
11	225	160	20.5	14.6	295	3.075	010024905
11	225	180	20.5	16.4	285	3.215	010024906
11	225	200	20.5	18.2	272	3.380	010024907
11	250	160	22.7	14.6	308	4.070	010024908
11	250	180	22.7	16.4	316	4.270	010024909
11	250	200	22.7	18.2	324	4.675	010024910
11	250	225	22.7	20.5	330	5.280	010024911
11	280	200	25.4	18.2	345	5.850	010024912
11	280	225	25.4	20.5	335	6.090	010024913
11	280	250	25.4	22.7	340	6.700	010024914
11	315	225	28.6	20.5	365	7.960	010024915
11	315	250	28.6	22.7	365	8.125	010024916
11	315	280	28.6	25.4	365	8.915	010024917

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PE 100 RC Tees, injected



Product details:

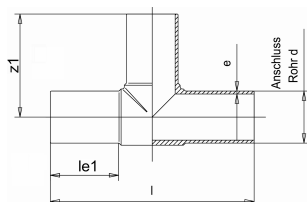
- black
- injected, for butt welding
- DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	20	2.0	11	38	16	76	0.021	010300336
11	25	2.3	11	40	16	84	0.030	010300337
11	32	3.0	11	42	16	87	0.046	010300338
11	40	3.7	11	45	16	90	0.067	010300339
11	50	4.6	12	50	16	100	0.115	010300340
11	63	5.8	17	67	16	135	0.248	010300341
11	75	6.8	19	75	16	153	0.394	010300342
11	90	8.2	43	99	16	198	0.705	010300343
11	110	10.0	55	127	16	254	1.260	010300344
11	125	11.4	52	125	16	254	1.638	010300345
11	140	12.7	65	153	16	314	2.690	010300346
11	160	14.6	58	161	16	322	3.380	010300347
11	180	16.4	94	214	16	430	5.740	010300348
11	200	18.2	90	219	16	438	7.280	010300349
11	225	20.5	76	226	16	452	9.615	010300350
11	250	22.7	68	227	16	450	10.770	010300122
11	280	25.4	87	265	16	530	15.950	010300351
11	315	28.6	88	285	16	570	21.285	010300352
11	355	32.2	103	349	16	698	31.800	010300353
11	400	36.3	105	363	16	730	40.450	010300354
11	450	40.9	137	419	16	837	47.000	010300934
11	500	45.4	159	465	16	930	89.000	010300903
17	50	3.0	13	50	10	100	0.086	010300615
17	63	3.8	17	67	10	136	0.187	010300617
17	75	4.5	19	75	10	154	0.293	010300619
17	90	5.4	42	99	10	198	0.535	010300621
17	110	6.6	55	129	10	257	0.930	010300624
17	125	7.4	52	125	10	254	1.169	010300627
17	140	8.3	62	157	10	314	1.805	010300630
17	160	9.5	57	160	10	320	2.375	010300633
17	180	10.7	96	214	10	435	4.095	010300636
17	200	11.9	93	220	10	440	5.145	010300639
17	225	13.4	76	225	10	450	6.970	010300642
17	250	14.8	67	225	10	450	7.670	010300645
17	280	16.6	86	264	10	528	10.900	010300647
17	315	18.7	87	282	10	565	14.870	010300650
17	355	21.1	103	348	10	699	22.360	010300652
17	400	23.7	105	361	10	722	28.750	010300655
17	450	26.7	137	419	10	838	45.000	010300950
17	500	29.7	163	471	10	940	62.200	010300951
33	110	3.4	30	105	5	215	0.415	010300622
33	125	3.9	35	107	5	218	0.680	010300625
33	140	4.3	20	125	5	253	1.080	010300628
33	160	4.9	40	140	5	270	1.280	010300631
33	180	5.5	45	150	5	310	1.780	010300634
33	200	6.2	45	170	5	340	2.300	010300637
33	225	6.9	48	220	5	440	4.000	010300640
33	250	7.7	52	215	5	438	6.660	010300643
33	280	8.6	65	243	5	500	6.680	010300646
33	315	9.7	77	270	5	535	10.000	010300648
33	355	10.9	96	347	5	674	14.000	010300651
33	400	12.3	90	340	5	680	20.000	010300653

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PE 100 RC Tees, injected



Product image for illustration purposes only.

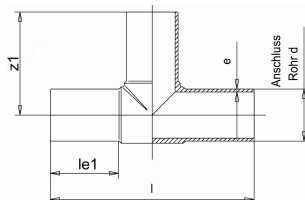
Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	20	2.0	41	54	108	0.020	010300713
11	25	2.3	41	60	120	0.033	010300714
11	32	2.9	46	67	139	0.060	010300592
11	40	3.7	52	82	165	0.112	010300593
11	50	4.6	57	92	184	0.187	010300595
11	63	5.8	65	105	216	0.335	010300597
11	75	6.8	72	122	248	0.545	010300128
11	90	8.2	80	137	277	0.940	010300600
11	110	10.0	88	162	321	1.579	010300602
11	125	11.4	98	176	350	2.240	010300129
11	140	12.7	104	200	399	3.180	010300605
11	160	14.6	104	206	413	4.290	010300130
11	180	16.4	143	260	528	6.890	010300131
11	200	18.2	124	253	505	8.330	010300609
11	225	20.5	129	278	559	11.700	010300133
11	250	22.7	132	291	582	13.950	010300135
11	280	25.4	133	312	622	18.860	010300611
11	315	28.6	153	351	690	26.370	010300613
11	355	32.2	167	414	829	38.100	019300087
11	400	36.3	198	457	913	52.010	019300089
11	450	40.9	198	477	954	74.585	019300206
11	500	45.4	218	525	1050	100.000	019300208
11	560	50.8	245	600	1200	142.000	010030447
11	630	57.2	265	650	1300	188.000	010030448
17	50	3.0	57	90	184	0.130	010300594
17	63	3.8	64	106	214	0.238	010300596
17	75	4.5	72	122	246	0.395	010300598
17	90	5.4	81	137	277	0.690	010300599
17	110	6.6	84	161	321	1.120	010300601
17	125	7.4	100	174	345	1.564	010300603
17	140	8.3	104	197	395	2.215	010300604
17	160	9.5	104	206	410	3.010	010300606
17	180	10.7	141	260	525	4.875	010300607
17	200	11.9	123	250	501	5.695	010300608
17	225	13.4	129	276	555	8.260	010300725
17	250	14.8	132	288	576	9.380	010300726
17	280	16.6	132	309	617	12.980	010300610
17	315	18.7	153	346	695	17.650	010300612
17	355	21.1	165	408	818	25.975	019300086
17	400	23.7	197	455	910	36.060	019300088
17	450	26.7	197	478	955	50.615	019300205
17	500	29.7	218	525	1050	68.400	019300207
17	560	33.2	245	600	1200	139.000	010030445
17	630	37.4	265	650	1300	185.000	010030446

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PE 100 RC FM-Line Tees, injected



Product image for illustration purposes only.

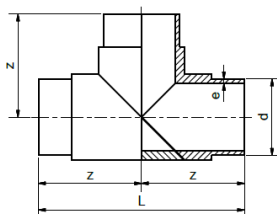
Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	90	8.2	80	137	16	274	0.940	010024918
11	110	10.0	88	161	16	322	1.579	010024919
11	125	11.4	98	175	16	350	2.220	010024920
11	140	12.7	104	200	16	400	3.180	010024921
11	160	14.6	104	206	16	413	4.290	010024922
11	180	16.4	143	260	16	520	6.900	010024923
11	200	18.2	124	250	16	500	8.330	010024924
11	225	20.5	128	277	16	554	11.700	010024925
11	250	22.7	132	291	16	582	13.950	010024926
11	280	25.4	139	312	16	624	18.860	010024927
11	315	28.6	153	345	16	690	26.460	010024928
11	355	32.2	167	410	16	820	38.100	010024929
11	400	36.3	198	457	16	914	52.010	010024930
11	450	40.9	198	477	16	954	74.585	010024931
11	500	45.4	218	525	16	1050	100.000	010024932

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PE 100 Tees, welded, reinforced



Product details:

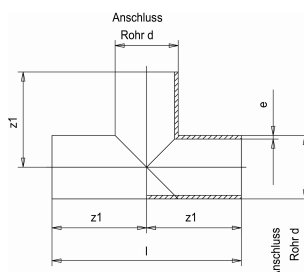
- black
- fabricated from pipes, for butt welding and electrofusion welding, reinforced
- reinforced for full pressure load, no pressure reduction factor
- DIN EN ISO 15494/B

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	710		280	890	1780	515.223	010033959
11	800		300	970	1940	724.159	010033960
11	900		300	1020	2040	944.336	010033961
17	710	42.1	280	890	1780	350.000	010019063
17	800	47.4	300	970	1940	490.000	010019064
17	900	53.3	300	1020	2040	640.000	010019065

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PE 100 Tees, welded



Product details:

- black
- fabricated from pipe, for butt welding and electrofusion welding
- segment welded tees without reinforcement, pressure reduction: factor 0.65
- DIN EN ISO 15494/B, DIN EN 12201/3

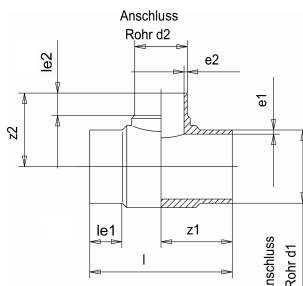
Product image for illustration purposes only.

SDR	d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	90	8.2	195	16	390	0.930	010300658
11	110	10.0	205	16	410	1.930	010300661
11	125	11.4	215	16	430	2.630	010300664
11	140	12.7	220	16	440	3.370	010300667
11	160	14.6	230	16	460	4.600	010300670
11	180	16.4	240	16	480	6.060	010300673
11	200	18.2	250	16	500	7.800	010300676
11	225	20.5	265	16	530	10.400	010300679
11	250	22.7	375	16	750	18.200	010300682
11	280	25.4	390	16	780	20.600	010300685
11	315	28.6	460	16	920	31.400	010300688
11	355	32.2	480	16	960	46.900	010300691
11	400	36.3	500	16	1000	62.100	010300694
11	450	40.9	525	16	1050	74.000	010300697
11	500	45.4	600	16	1200	135.000	010300700
11	560	50.8	630	16	1260	153.300	010300703
11	630	57.2	665	16	1330	205.500	010300706
17	90	5.4	195	10	390	0.610	010300657
17	110	6.6	205	10	410	1.280	010300660
17	125	7.4	215	10	430	1.720	010300663
17	140	8.3	220	10	440	2.200	010300666
17	160	9.5	230	10	460	3.010	010300669
17	180	10.7	240	10	480	3.950	010300672
17	200	11.9	250	10	500	5.100	010300675
17	225	13.4	265	10	530	6.800	010300678
17	250	14.8	375	10	750	11.900	010300681
17	280	16.6	390	10	780	15.400	010300684
17	315	18.7	460	10	920	21.000	010300687
17	355	21.1	480	10	960	30.500	010300690
17	400	23.7	500	10	1000	40.400	010300693
17	450	26.7	525	10	1050	53.600	010300696
17	500	29.7	600	10	1200	75.400	010300699
17	560	33.2	630	10	1260	99.200	010300702
17	630	37.4	665	10	1330	119.000	010300705
17	710	42.1	705	10	1410	178.900	010300708
17	800	47.4	750	10	1500	240.800	010300710
33	90	2.8	195	10	390	0.350	010300656
33	110	3.4	205	10	410	0.740	010300659
33	125	3.9	215	10	430	0.980	010300662
33	140	4.3	220	10	440	1.270	010300665
33	160	4.9	230	10	460	1.700	010300668
33	180	5.5	240	10	480	2.250	010300671
33	200	6.2	250	10	500	2.880	010300674
33	225	6.9	265	10	530	3.850	010300677
33	250	7.7	375	10	750	6.740	010300680
33	280	8.6	390	10	780	8.740	010300683
33	315	9.7	460	10	920	13.000	010300686
33	355	10.9	480	10	960	17.400	010300689
33	400	12.3	500	10	1000	22.800	010300692
33	450	13.8	525	10	1050	30.200	010300695
33	500	15.3	600	10	1200	42.700	010300698
33	560	17.2	630	10	1260	56.100	010300701
33	630	19.3	665	10	1330	75.000	010300704
33	710	21.8	705	10	1410	101.500	010300707

SDR	d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
33	800	24.5	750	10	1500	136.400	010300709
33	900	27.6	850	10	1700	161.000	010300711
33	1000	30.6	900	10	1800	209.000	010300712

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PE 100 RC Tees with reduced branch, injected



Product details:

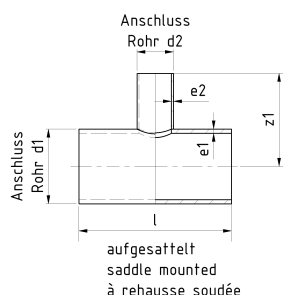
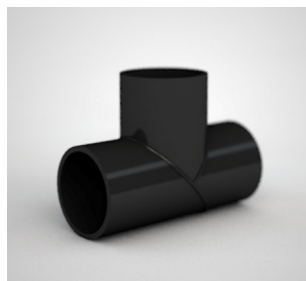
- black
- injected, for butt welding
- more designs, see page 75
- DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.
11	90	32	8.2	2.9	53	23	102	85	203	0.560	013500950
11	110	32	10.0	2.9	66	22	117	91	234	0.940	013500953
11	110	50	10.0	4.6	66	27	117	101	240	0.950	013500954
11	125	63	11.4	5.8	70	31	132	110	264	1.400	013500957
11	140	63	12.7	5.8	83	32	146	120	291	1.800	013500959
11	140	75	12.7	6.8	81	35	146	130	291	1.880	013500960
11	140	90	12.7	8.2	81	41	146	130	291	1.920	013500961
11	140	110	12.7	10	50	44	146	140	291	2.240	013500962
11	160	125	14.6	11.4	58	47	158	150	315	2.690	013500965
11	180	63	16.4	5.8	125	30	174	140	348	3.160	013500966
11	180	75	16.4	6.8	112	30	174	160	348	3.350	013500967
11	180	125	16.4	11.4	92	50	174	150	348	3.550	013500970
17	140	63	8.3	3.8	83	32	146	120	291	1.360	013500811
17	140	75	8.3	4.5	81	35	146	130	291	1.370	013500812
17	140	90	8.3	5.4	81	41	146	130	291	1.380	013500813
17	140	110	8.3	6.6	50	44	146	140	291	1.660	013500814
17	160	125	9.5	7.4	58	47	158	150	315	2.690	013500817
17	180	63	10.7	3.8	125	30	174	140	348	2.200	013500818
17	180	75	10.7	4.5	112	30	174	160	348	2.300	013500819
17	180	125	10.7	7.4	92	50	174	150	348	2.500	013500822

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PE 100 Tees with reduced branch, welded



Product details:

- black
- fabricated from pipes, for butt welding and electrofusion welding, saddle mounted
- Welded tees without reinforcement, pressure reduction factor SDR 17: 0.5 / SDR 11: 0.6. SDR 33 on request
- DIN EN ISO 15494/B

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	90	40	8.2	3.7	150	240	0.560	010010494
11	90	50	8.2	4.6	150	250	0.570	013500858
11	90	63	8.2	5.8	160	270	0.590	013500859
11	110	40	10.0	3.7	160	250	0.840	010010495
11	110	50	10.0	4.6	160	260	0.860	013500860
11	110	63	10.0	5.8	170	270	0.980	013500861
11	110	75	10.0	6.8	190	280	1.010	013500862
11	125	40	11.4	3.7	170	260	1.110	010010496
11	125	50	11.4	4.6	170	270	1.090	013500863
11	125	63	11.4	5.8	180	290	1.200	013500864
11	125	75	11.4	6.8	190	300	1.300	013500865
11	140	40	12.7	3.7	170	270	1.430	010010497
11	140	50	12.7	4.6	170	280	1.500	010010498
11	140	63	12.7	5.8	190	300	1.400	013500867
11	140	75	12.7	6.8	200	310	1.580	013500868
11	140	90	12.7	8.2	220	320	1.730	013500869
11	140	110	12.7	10	220	340	1.960	013500870
11	160	50	14.6	4.6	180	300	2.090	010010499
11	160	63	14.6	5.8	200	310	1.900	013500871
11	160	75	14.6	6.8	210	320	2.020	013500872
11	160	90	14.6	8.2	230	340	2.710	013500873
11	160	110	14.6	10	230	360	2.470	013500874
11	180	50	16.4	4.6	190	320	2.790	010010500
11	180	63	16.4	5.8	210	330	2.930	010010501
11	180	75	16.4	6.8	220	340	1.950	013500875
11	180	90	16.4	8.2	240	360	2.000	013500876
11	180	110	16.4	10	240	380	2.100	013500877
11	180	125	16.4	11.4	250	390	4.060	010010578
11	180	140	16.4	12.7	260	410	2.600	013500878
11	200	63	18.2	5.8	220	350	3.800	010010502
11	200	75	18.2	6.8	230	360	3.080	013500879
11	200	90	18.2	8.2	250	370	3.340	013500880
11	200	110	18.2	10	250	390	3.690	013500881
11	200	125	18.2	11.4	260	410	5.300	010010579
11	200	140	18.2	12.7	270	420	5.600	013500882
11	200	160	18.2	14.6	280	440	6.110	013500883
11	225	63	20.5	5.8	230	370	5.050	010010503
11	225	75	20.5	6.8	240	380	4.250	013500884
11	225	90	20.5	8.2	260	390	4.400	013500885
11	225	110	20.5	10	270	410	4.580	013500886
11	225	125	20.5	11.4	270	430	6.440	010010504
11	225	140	20.5	12.7	280	440	6.860	013500887
11	225	160	20.5	14.6	290	460	8.460	013500888
11	225	180	20.5	16.4	310	480	9.340	013500889
11	250	63	22.7	5.8	240	390	6.480	010010505
11	250	75	22.7	6.8	260	400	6.720	010010506
11	250	90	22.7	8.2	270	420	5.040	013500890
11	250	110	22.7	10	280	440	5.150	013500891
11	250	125	22.7	11.4	290	450	8.050	010010507
11	250	140	22.7	12.7	300	470	6.700	013500892
11	250	160	22.7	14.6	310	490	8.500	013500893
11	250	180	22.7	16.4	320	510	7.018	013500894
11	250	200	22.7	18.2	330	530	10.440	013500895
11	280	90	25.4	8.2	290	440	9.800	013500896

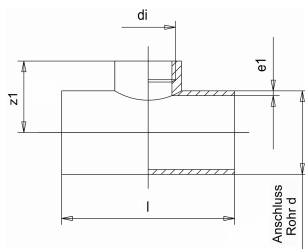
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	280	110	25.4	10	290	460	10.500	013500897
11	280	125	25.4	11.4	300	480	10.500	010010580
11	280	140	25.4	12.7	310	490	9.500	013500898
11	280	160	25.4	14.6	320	510	11.900	013500899
11	280	180	25.4	16.4	330	530	12.800	013500900
11	280	200	25.4	18.2	350	550	8.758	013500901
11	280	225	25.4	20.5	360	580	15.700	013500902
11	315	90	28.6	8.2	300	470	12.440	010010508
11	315	110	28.6	10	310	490	8.620	013500903
11	315	125	28.6	11.4	320	500	13.600	010010509
11	315	140	28.6	12.7	330	520	12.630	013500904
11	315	160	28.6	14.6	340	540	13.500	013500905
11	315	180	28.6	16.4	350	560	8.990	013500906
11	315	200	28.6	18.2	360	580	15.500	013500907
11	315	225	28.6	20.5	380	600	18.000	013500908
11	315	250	28.6	22.7	400	630	13.650	013500909
11	355	90	32.2	8.2	320	510	17.040	010010510
11	355	110	32.2	10	330	530	13.500	013500910
11	355	125	32.2	11.4	340	540	18.400	010010511
11	355	140	32.2	12.7	350	560	15.500	013500911
11	355	160	32.2	14.6	360	580	16.500	013500912
11	355	180	32.2	16.4	370	600	10.208	013500913
11	355	200	32.2	18.2	380	620	11.700	013500914
11	355	225	32.2	20.5	400	640	20.500	013500915
11	355	250	32.2	22.7	420	670	22.470	013500916
11	355	280	32.2	25.4	430	700	27.000	013500917
11	400	90	36.3	8.2	350	540	22.780	010010512
11	400	110	36.3	10	350	560	23.790	010010513
11	400	125	36.3	11.4	360	580	24.170	013501035
11	400	140	36.3	12.7	370	590	19.740	013500918
11	400	160	36.3	14.6	380	610	21.540	013500919
11	400	180	36.3	16.4	390	630	22.390	013500920
11	400	200	36.3	18.2	410	650	23.820	013500921
11	400	225	36.3	20.5	420	680	25.660	013500922
11	400	250	36.3	22.7	440	700	27.630	013500923
11	400	280	36.3	25.4	460	730	30.100	013500924
11	400	315	36.3	28.6	470	770	33.170	013500925
11	450	110	40.9	10	380	600	32.110	010010514
11	450	125	40.9	11.4	390	620	33.350	010010515
11	450	140	40.9	12.7	400	630	24.710	013500926
11	450	160	40.9	14.6	410	650	26.000	013500927
11	450	180	40.9	16.4	420	670	27.880	013500928
11	450	200	40.9	18.2	430	690	29.580	013500929
11	450	225	40.9	20.5	450	720	31.760	013500930
11	450	250	40.9	22.7	460	740	34.080	013500931
11	450	280	40.9	25.4	480	770	36.980	013500932
11	450	315	40.9	28.6	500	810	40.000	013500933
11	500	110	45.4	10	400	650	42.800	010010516
11	500	125	45.4	11.4	410	670	44.290	010010517
11	500	140	45.4	12.7	420	680	45.170	010010518
11	500	160	45.4	14.6	430	700	32.040	013500934
11	500	180	45.4	16.4	440	720	33.940	013500935
11	500	200	45.4	18.2	460	740	35.940	013500936
11	500	225	45.4	20.5	470	770	38.490	013500937
11	500	250	45.4	22.7	490	790	41.290	013500938
11	500	280	45.4	25.4	510	820	44.560	013500939
11	500	315	45.4	28.6	520	860	48.710	013500940
11	500	355	45.4	32.2	550	900	53.720	013500941
11	560	160	50.8	14.6	460	750	62.390	010010519
11	560	180	50.8	16.4	470	770	42.120	013500942
11	560	200	50.8	18.2	490	790	44.500	013500943
11	560	225	50.8	20.5	500	820	47.540	013500944
11	560	250	50.8	22.7	520	840	50.750	013500945
11	560	280	50.8	25.4	540	870	54.740	013500946
11	560	315	50.8	28.6	550	910	59.630	013500947
11	560	355	50.8	32.2	580	950	65.500	013500948
11	560	400	50.8	36.3	610	990	72.500	013500949
11	630	160	57.2	14.6	500	800	83.810	010010520
11	630	180	57.2	16.4	510	820	86.340	010010521
11	630	200	57.2	18.2	520	840	88.980	010010522
11	630	225	57.2	20.5	540	870	92.930	010010523
11	630	250	57.2	22.7	550	890	96.080	010010524
11	630	280	57.2	25.4	570	920	100.720	010010525
11	630	315	57.2	28.6	590	960	107.130	010010526
11	630	355	57.2	32.2	620	1000	114.740	010010527
11	630	400	57.2	36.3	640	1040	123.790	010010528
17	90	40	5.4	2.4	150	240	0.400	010010529
17	90	50	5.4	3	150	250	0.480	013500701
17	90	63	5.4	3.8	160	270	0.520	013500702
17	110	40	6.6	2.4	160	250	0.590	010010530
17	110	50	6.6	3	160	260	0.560	013500703
17	110	63	6.6	3.8	170	270	0.593	013500704
17	110	75	6.6	4.5	190	280	0.650	013500705
17	125	40	7.4	2.4	170	260	0.770	010010531

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
17	125	50	7.4	3	170	270	0.691	013500706
17	125	63	7.4	3.8	180	290	0.850	013500707
17	125	75	7.4	4.5	190	300	0.900	013500708
17	140	40	8.3	2.4	170	270	0.990	010010532
17	140	50	8.3	3	170	280	1.050	010010533
17	140	63	8.3	3.8	190	300	1.200	013500710
17	140	75	8.3	4.5	200	310	1.300	013500711
17	140	90	8.3	5.4	220	320	1.400	013500712
17	140	110	8.3	6.6	220	340	1.600	013500713
17	160	50	9.5	3	180	300	1.440	010010534
17	160	63	9.5	7.4	200	310	1.190	013500714
17	160	75	9.5	3.8	210	320	1.240	013500715
17	160	90	9.5	4.5	230	340	1.400	013500716
17	160	110	9.5	5.4	230	360	1.500	013500717
17	180	50	10.7	3	190	320	1.910	010010535
17	180	63	10.7	3.8	210	330	2.030	010010536
17	180	75	10.7	4.5	220	340	1.600	013500718
17	180	90	10.7	5.4	240	360	1.700	013500719
17	180	110	10.7	6.6	240	380	1.800	013500720
17	180	125	10.7	7.4	260	410	2.500	013501048
17	180	140	10.7	8.3	250	390	2.580	013500721
17	200	63	11.9	3.8	220	350	2.610	010010537
17	200	75	11.9	7.4	230	360	1.910	013500722
17	200	90	11.9	4.5	250	370	2.030	013500723
17	200	110	11.9	5.4	250	390	2.200	013500724
17	200	125	11.9	6.6	260	410	3.400	010010575
17	200	140	11.9	8.3	270	420	3.140	013500725
17	200	160	11.9	9.5	280	440	3.320	013500726
17	225	63	13.4	3.8	230	370	3.460	010010538
17	225	75	13.4	7.4	240	380	2.650	013500727
17	225	90	13.4	4.5	260	390	2.650	013500728
17	225	110	13.4	5.4	270	410	2.740	013500729
17	225	125	13.4	6.6	270	430	4.600	010010539
17	225	140	13.4	8.3	280	440	3.900	013500730
17	225	160	13.4	9.5	290	460	4.700	013500731
17	225	180	13.4	10.7	310	480	4.330	013500732
17	250	63	14.8	3.8	240	390	4.410	010010540
17	250	75	14.8	4.5	260	400	4.600	010010541
17	250	90	14.8	5.4	280	440	3.600	013500733
17	250	110	14.8	6.6	290	450	3.800	013500734
17	250	125	14.8	7.9	270	420	5.660	010010542
17	250	140	14.8	8.3	300	470	5.200	013500735
17	250	160	14.8	9.5	310	490	5.300	013500736
17	250	180	14.8	10.7	320	510	5.400	013500737
17	250	200	14.8	11.9	330	530	5.500	013500738
17	280	90	16.6	5.4	290	440	6.600	013500739
17	280	110	16.6	6.6	290	460	6.900	013500740
17	280	125	16.6	8.3	300	480	4.900	013501049
17	280	140	16.6	9.5	310	490	6.500	013500741
17	280	160	16.6	10.7	320	510	7.800	013500742
17	280	180	16.6	11.9	330	530	8.500	013500743
17	280	200	16.6	13.4	350	550	6.060	013500744
17	280	225	16.6	7.4	360	580	10.000	013500745
17	315	90	18.7	5.4	300	470	8.590	010010543
17	315	110	18.7	6.6	320	500	5.600	013500746
17	315	125	18.7	7.4	310	490	9.500	010010544
17	315	140	18.7	8.3	330	520	7.230	013500747
17	315	160	18.7	9.5	340	540	8.780	013500748
17	315	180	18.7	10.7	350	560	6.032	013500749
17	315	200	18.7	11.9	360	580	6.900	013500750
17	315	225	18.7	13.4	380	600	8.063	013500751
17	315	250	18.7	14.8	400	630	9.860	013500752
17	355	90	21.1	5.4	320	510	11.690	010010545
17	355	110	21.1	7.4	330	530	12.000	013500753
17	355	125	21.1	6.6	340	540	12.730	010010546
17	355	140	21.1	8.3	350	560	9.500	013500754
17	355	160	21.1	9.5	360	580	9.520	013500755
17	355	180	21.1	10.7	370	600	6.786	013500756
17	355	200	21.1	11.9	380	620	7.800	013500757
17	355	225	21.1	13.4	400	640	11.720	013500758
17	355	250	21.1	14.8	420	670	13.060	013500759
17	355	280	21.1	16.6	430	700	14.420	013500760
17	400	90	23.7	5.4	350	540	15.540	010010547
17	400	110	23.7	6.6	350	560	16.280	010010548
17	400	125	23.7	7.4	360	580	16.820	010010576
17	400	140	23.7	8.3	370	590	11.500	013500761
17	400	160	23.7	9.5	380	610	12.000	013500762
17	400	180	23.7	10.7	390	630	12.500	013500763
17	400	200	23.7	11.9	410	650	13.100	013500764
17	400	225	23.7	13.4	420	680	10.313	013500765
17	400	250	23.7	14.8	440	700	11.765	013500766
17	400	280	23.7	16.6	460	730	13.736	013500767
17	400	315	23.7	18.7	470	770	18.304	013500768
17	450	110	26.7	6.6	380	600	21.910	010010549

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
17	450	125	26.7	7.4	390	620	22.810	010010550
17	450	140	26.7	8.3	400	630	6.377	013500769
17	450	160	26.7	9.5	410	650	15.200	013500770
17	450	180	26.7	10.7	420	670	15.900	013500771
17	450	200	26.7	11.9	430	690	16.400	013500772
17	450	225	26.7	13.4	450	720	17.200	013500773
17	450	250	26.7	14.8	460	740	18.000	013500774
17	450	280	26.7	16.6	480	770	30.000	013500775
17	450	315	26.7	18.7	500	810	20.000	013500776
17	500	110	29.7	6.6	400	650	29.220	010010551
17	500	125	29.7	7.4	410	670	30.290	010010552
17	500	140	29.7	8.3	420	680	30.960	010010553
17	500	160	29.7	9.5	430	700	18.700	013500777
17	500	180	29.7	10.7	440	720	19.500	013500778
17	500	200	29.7	11.9	460	740	22.811	013500779
17	500	225	29.7	13.4	470	770	24.106	013500780
17	500	250	29.7	14.8	490	790	25.410	013500781
17	500	280	29.7	16.6	510	820	27.026	013500782
17	500	315	29.7	18.7	520	860	28.943	013500783
17	500	355	29.7	21.1	550	900	31.181	013500784
17	560	160	33.2	9.5	610	990	25.894	013501050
17	560	180	33.2	10.7	460	750	27.120	013500786
17	560	200	33.2	11.9	470	770	28.361	013500787
17	560	225	33.2	13.4	490	790	29.934	013500788
17	560	250	33.2	14.8	500	820	31.515	013500789
17	560	280	33.2	16.6	520	840	33.464	013500790
17	560	315	33.2	18.7	540	870	35.770	013500791
17	560	355	33.2	21.1	550	910	38.452	013500792
17	560	400	33.2	23.7	580	950	41.530	013500793
17	630	160	37.4	9.5	500	800	56.850	010010554
17	630	180	37.4	10.7	510	820	58.560	010010555
17	630	200	37.4	11.9	520	840	35.711	013500794
17	630	225	37.4	13.4	540	870	37.651	013500795
17	630	250	37.4	14.8	550	890	39.600	013500796
17	630	280	37.4	16.6	570	920	41.700	013500797
17	630	315	37.4	18.7	590	960	44.810	013500798
17	630	355	37.4	21.1	620	1000	48.080	013500799
17	630	400	37.4	23.7	640	1040	51.820	013500800
17	710	160	42.1	9.5	540	840	77.610	010010556
17	710	180	42.1	10.7	550	860	79.770	010010557
17	710	200	42.1	11.9	560	880	82.120	010010558
17	710	225	42.1	13.4	580	900	85.500	010010559
17	710	250	42.1	14.8	590	930	89.220	010010560
17	710	280	42.1	16.6	610	960	93.410	010010561
17	710	315	42.1	18.7	630	990	97.630	010010562
17	710	355	42.1	21.1	660	1030	104.610	010010563
17	710	400	42.1	23.7	680	1080	101.140	010010564
17	800	160	47.4	9.5	580	890	109.160	010010565
17	800	180	47.4	10.7	590	910	113.240	010010566
17	800	200	47.4	11.9	610	930	117.660	010010567
17	800	225	47.4	13.4	620	950	122.530	010010568
17	800	250	47.4	14.8	640	980	127.670	010010569
17	800	280	47.4	16.6	660	1010	135.770	010010570
17	800	315	47.4	18.7	670	1040	135.770	010010571
17	800	355	47.4	21.1	700	1080	135.770	010010572
17	800	400	47.4	23.7	730	1130	135.770	010010573

All information provided in respect of technical data shall be considered non-binding. This information does not constitute a guarantee of specific properties or qualities and shall not be construed as a warranty in regard to product condition, durability or service life. Subject to modifications and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team: pipingsystems@simona.de.

PE 100 Tees with reduced branch with internal thread



Product details:

- black
- fabricated from pipe SDR 17, for butt welding and electrofusion welding, saddlemounted
- Welded tees without reinforcement: max. pressure load 6 bar
- Based on DIN EN ISO 15494/B

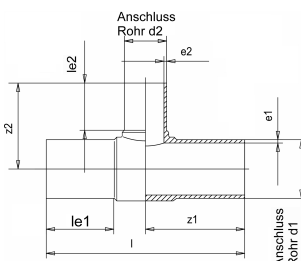
Product image for illustration purposes only.

d (mm)	e (mm)	di (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
50	3.0	1/2	50	10	300	0.155	013600163
63	3.8	1/2	56	10	300	0.229	013600164
63	3.8	3/4	56	10	300	0.240	013600230
75	4.5	1/2	63	10	300	0.316	013600165
75	4.5	1	68	10	300	0.337	013600187
75	4.5	3/4	63	10	300	0.323	013600231
90	5.4	1 1/4	80	10	300	0.486	013600144
90	5.4	1/2	70	10	300	0.440	013600166
90	5.4	1	75	10	300	0.461	013600188
90	5.4	3/4	70	10	300	0.450	013600232
110	6.6	1 1/2	95	10	300	0.695	013600123
110	6.6	1 1/4	90	10	300	0.698	013600145
110	6.6	1/2	80	10	300	0.647	013600167
110	6.6	1	85	10	300	0.700	013600189
110	6.6	2	100	10	300	0.739	013600211
110	6.6	3/4	80	10	300	0.654	013600233
125	7.4	1 1/2	102	10	300	0.869	013600124
125	7.4	1 1/4	97	10	300	0.867	013600146
125	7.4	1/2	87	10	300	0.921	013600168
125	7.4	1	92	10	300	0.842	013600190
125	7.4	2	107	10	300	0.913	013600212
125	7.4	3/4	87	10	300	0.828	013600234
140	8.3	1 1/2	112	10	300	1.073	013600125
140	8.3	1 1/4	107	10	300	1.071	013600147
140	8.3	1/2	95	10	300	1.020	013600169
140	8.3	1	100	10	300	1.046	013600191
140	8.3	2	117	10	300	1.117	013600213
140	8.3	3/4	95	10	300	1.020	013600235
160	9.5	1 1/2	120	10	300	1.376	013600126
160	9.5	1 1/4	115	10	300	1.374	013600148
160	9.5	1/2	105	10	300	1.328	013600170
160	9.5	1	110	10	300	1.349	013600192
160	9.5	2	125	10	300	1.420	013600214
160	9.5	3/4	105	10	300	1.355	013600236
180	10.7	1 1/2	130	10	300	1.715	013600127
180	10.7	1 1/4	125	10	300	1.713	013600149
180	10.7	1/2	115	10	300	1.800	013600171
180	10.7	1	120	10	300	1.688	013600193
180	10.7	2	135	10	300	1.759	013600215
180	10.7	3/4	115	10	300	1.674	013600237
200	11.9	1 1/2	140	10	300	2.180	013600128
200	11.9	1 1/4	135	10	300	2.106	013600150
200	11.9	1/2	125	10	300	2.000	013600172
200	11.9	1	130	10	300	2.084	013600194
200	11.9	2	145	10	300	2.152	013600216
200	11.9	3/4	125	10	300	2.067	013600238
225	13.4	1 1/2	152	10	300	2.636	013600129
225	13.4	1 1/4	147	10	300	2.634	013600151
225	13.4	1/2	137	10	300	2.588	013600173
225	13.4	1	142	10	300	2.634	013600195
225	13.4	2	157	10	300	2.680	013600217
225	13.4	3/4	137	10	300	2.595	013600239
250	14.8	1 1/2	165	10	300	3.251	013600130
250	14.8	1 1/4	160	10	300	3.249	013600152

d (mm)	e (mm)	di (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
250	14.8	1/2	150	10	300	3.203	013600174
250	14.8	1	155	10	300	3.249	013600196
250	14.8	2	170	10	300	3.295	013600218
250	14.8	3/4	150	10	300	3.210	013600240
280	16.6	1 1/2	175	10	300	4.031	013600131
280	16.6	1 1/4	170	10	300	4.029	013600153
280	16.6	1/2	165	10	300	3.983	013600175
280	16.6	1	170	10	300	4.004	013600197
280	16.6	2	180	10	300	4.075	013600219
280	16.6	3/4	165	10	300	3.990	013600241
315	18.7	1 1/2	197	10	300	5.081	013600132
315	18.7	1 1/4	192	10	300	5.079	013600154
315	18.7	1/2	182	10	300	5.033	013600176
315	18.7	1	187	10	300	5.054	013600198
315	18.7	2	202	10	300	5.125	013600220
315	18.7	3/4	182	10	300	5.040	013600242
355	21.1	1 1/2	217	10	300	6.431	013600133
355	21.1	1 1/4	212	10	300	6.429	013600155
355	21.1	1/2	202	10	300	6.383	013600177
355	21.1	1	207	10	300	6.404	013600199
355	21.1	2	222	10	300	6.475	013600221
355	21.1	3/4	202	10	300	6.390	013600243
400	23.7	1 1/2	240	10	400	10.831	013600134
400	23.7	1 1/4	235	10	400	10.829	013600156
400	23.7	1/2	225	10	400	10.783	013600178
400	23.7	1	230	10	400	10.804	013600200
400	23.7	2	245	10	400	10.875	013600222
400	23.7	3/4	225	10	400	10.790	013600244
450	26.7	1 1/2	265	10	400	13.671	013600135
450	26.7	1 1/4	260	10	400	13.669	013600157
450	26.7	1/2	250	10	400	13.623	013600179
450	26.7	1	255	10	400	13.644	013600201
450	26.7	2	270	10	400	13.715	013600223
450	26.7	3/4	250	10	400	13.630	013600245
500	29.7	1 1/2	290	10	400	16.831	013600136
500	29.7	1 1/4	285	10	400	16.829	013600158
500	29.7	1/2	275	10	400	16.783	013600180
500	29.7	1	280	10	400	16.804	013600202
500	29.7	2	295	10	400	16.875	013600224
500	29.7	3/4	275	10	400	16.790	013600246

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PE 100 RC Tees with reduced branch, injected



Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- more designs, see page 48
- Based on DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

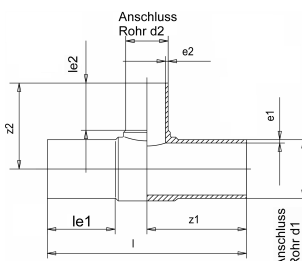
Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.
11	63	32	5.8	3	65	47	109	86	218	0.280	010025983
11	63	40	5.8	3.7	65	52	109	93	218	0.290	010025984
11	63	50	5.8	4.6	63	56	108	103	215	0.313	013500846
11	75	32	6.8	2.9	70	46	128	108	256	0.455	013500847
11	75	50	6.8	4.6	70	56	127	113	253	0.485	013500848
11	75	63	6.8	5.8	70	63	128	117	255	0.520	013500849
11	90	50	8.2	4.6	81	59	135	120	280	0.810	013500692
11	90	63	8.2	5.8	81	65	141	127	282	0.840	013500693
11	90	75	8.2	6.8	73	68	136	138	272	0.800	013500850
11	110	63	10.0	5.8	88	67	162	148	322	1.400	013500694
11	110	75	10.0	6.8	82	70	155	151	309	1.425	013500851
11	110	90	10.0	8.2	88	82	161	164	322	1.495	013500695
11	125	110	11.4	10	90	83	171	170	341	1.860	013500852
11	160	63	14.6	5.8	105	65	208	174	416	3.605	013500853
11	160	75	14.6	6.8	98	74	172	180	343	2.295	010033241
11	160	90	14.6	8.2	104	83	206	190	415	3.690	013500696
11	160	110	14.6	10	104	89	207	200	414	3.865	013500697
11	180	90	16.4	8.2	108	82	238	200	476	4.857	022300040
11	180	110	16.4	10	107	84	240	202	475	4.750	022300051
11	180	160	16.4	14.6	110	101	240	220	480	5.560	013500855
11	200	90	18.2	8.2	124	82	250	216	500	6.895	022300054
11	200	110	18.2	10	124	86	253	219	505	7.060	022300055
11	200	160	18.2	14.6	120	101	253	237	500	7.445	022300056
11	225	75	20.5	6.8	129	73	280	219	560	9.750	013500856
11	225	90	20.5	8.2	129	82	275	228	555	9.850	013500698
11	225	110	20.5	10	130	86	278	238	559	10.100	013500699
11	225	160	20.5	14.6	128	107	277	258	556	10.485	013500700
11	225	180	20.5	16.4	130	108	280	284	559	10.915	013500857
11	250	110	22.7	10	133	85	288	248	584	11.685	022300124
11	250	160	22.7	14.6	134	102	292	266	586	12.180	022300125
11	315	110	28.6	10	155	85	346	282	706	22.150	022300100
11	315	160	28.6	14.6	155	101	352	301	705	22.730	022300101
11	315	200								18.710	010033914
11	315	225	28.6							20.160	022300083
11	315	250	28.6	22.7	154	135	346	331	695	24.345	022300082
17	63	50	3.8	3	61	56	108	103	217	0.220	013500834
17	75	50	4.5	3	68	56	126	109	252	0.410	013500836
17	75	63	4.5	3.8	69	62	126	116	252	0.440	013500837
17	90	50	5.4	3	80	59	139	118	278	0.600	013500685
17	90	63	5.4	3.8	81	65	135	127	275	0.610	013500686
17	90	75	5.4	4.5	74	71	136	139	272	0.681	013500838
17	110	63	6.6	3.8	88	67	162	147	320	1.010	013500687
17	110	75	6.6	4.5	84	70	158	152	315	0.880	013500839
17	110	90	6.6	5.4	86	81	154	160	318	1.055	013500688
17	125	110	7.4	6.6	84	83	167	168	334	1.320	013500840
17	160	63	9.5	3.8	103	65	205	172	411	2.525	013500841
17	160	75	9.5	4.5	98	74	172	180	343	1.920	013500842
17	160	90	9.5	5.4	104	82	206	190	412	2.610	013500689
17	160	110	9.5	6.6	103	88	206	198	412	2.695	013500690
17	180	90	10.7	5.4			210	200	420	2.780	022300047
17	180	110								4.320	010033911
17	180	160	10.7	9.5	105	94	200	205	411	3.540	013500843
17	200	90	11.9	5.4	125	82	253	216	504	5.015	022300058
17	200	110	11.9	6.6	124	85	254	219	506	5.155	022300059

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.
17	200	160	11.9	9.5	120	101	255	235	500	5.430	022300060
17	225	75	13.4	4.5	129	72	279	219	561	7.060	013500844
17	225	90	13.4	5.4	129	82	276	226	555	7.010	013500691
17	225	110	13.4	6.6	130	86	277	236	556	7.150	013500110
17	225	160	13.4	9.5	128	107	277	255	555	7.220	013500111
17	225	180	13.4	10.7	128	107	281	284	558	7.795	013500845
17	250	110	14.8	6.6	133	85	288	242	580	8.095	022300121
17	250	160	14.8	9.5	133	101	288	261	580	8.700	022300122
17	315	110	18.7	6.6	155	84	350	277	699	15.860	022300098
17	315	160	18.7	9.5	153	102	349	300	695	15.585	022300099
17	315	200								17.910	010033915
17	315	225	18.7							16.040	022300148
17	315	250	18.7	14.8	154	135	349	329	695	16.625	022300123

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PE 100 RC FM-Line Tees with reduced branch, injected



Product details:

- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- Based on DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

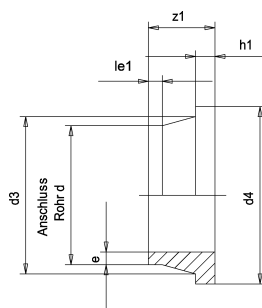
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.
11	110	90	10.0	8.2	88	82	159	158	318	1.495	010024933
11	160	110	14.6	10	104	89	207	200	414	3.865	010024934
11	200	110	18.2	10	125	86	250	219	500	7.060	010024935
11	200	160	18.2	14.6	123	101	250	235	500	7.445	010024936
11	225	90	20.5	8.2	129	82	275	225	550	9.850	010024937
11	225	110	20.5	10	130	86	278	238	556	10.100	010024938
11	225	160	20.5	14.6	128	107	277	255	554	10.485	010024939
11	250	110	22.7	10	133	85	288	242	576	11.685	010024940
11	250	160	22.7	14.6	134	102	292	266	584	12.180	010024941
11	315	110	28.6	10	155	85	346	277	692	22.110	010024942
11	315	160	28.6	14.6	155	101	350	301	700	22.730	010024943

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PE 100 RC Stub flanges for loose flange ANSI, injected



Product image for illustration purposes only.



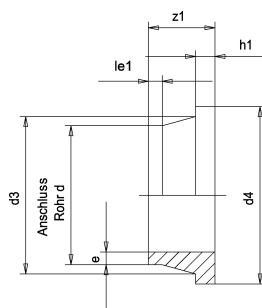
Product details:

- black
- injected, for butt welding
- For application of ANSI loose flanges from d=110 mm stub flanges acc. to ISO/DIN can be used.
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.
11	20	2.0	26	44	20	50	7	16	0.018	010600874
11	25	2.3	32	54	20	50	9	16	0.033	010600875
11	32	3.0	39	63	20	50	10	16	0.039	010600876
11	40	3.7	48	73	20	50	11	16	0.072	010600877
11	50	4.6	60	82	23	50	12	16	0.085	010600878
11	63	5.8	72	100	23	59	14	16	0.140	010600879
11	75	6.8	87	120	20	56	16	16	0.225	010600880
11	90	8.2	102	133	40	80	17	16	0.311	010600881

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PE 100 RC Stub flanges for loose flange ISO/DIN, injected



Product image for illustration purposes only.

Product details:

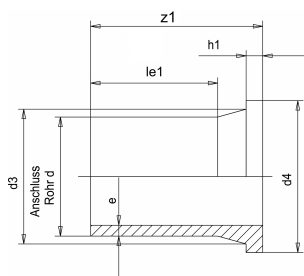
- black
- injected, for butt welding
- Other SDR-series on request
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	Art. No.
11	20	2.0	27	45	30	52	7	010600341
11	25	2.3	33	58	27	53	9	010600342
11	32	3.0	40	68	28	52	10	010600343
11	40	3.7	50	78	25	51	11	010600344
11	50	4.6	61	88	30	56	12	010600345
11	63	5.8	75	102	25	57	14	010600346
11	75	6.8	89	122	27	67	16	010600347
11	90	8.2	105	138	43	80	17	010600348
11	110	10.0	125	158	37	80	18	010600349
11	125	11.4	132	158	40	90	25	010600350
11	140	12.7	155	188	35	83	25	010600351
11	160	14.6	175	212	52	100	25	010600352
11	180	16.4	186	212	65	127	30	010600147
11	200	18.2	232	268	65	140	32	010600353
11	225	20.5	235	268	65	127	32	010600354
11	250	22.7	285	320	55	120	35	010600148
11	280	25.4	291	320	69	119	35	010600355
11	315	28.6	335	370	86	168	35	010600356
11	355	32.2	373	430	100	187	40	010600151
11	400	36.3	427	482	95	195	46	010600154
11	450	40.9	514	585	60	139	60	010600357
11	500	45.4	530	585	60	138	60	010600358
11	560	50.8	616	685	70	195	60	010030721
11	630	57.2	644	685	80	210	60	010030722
11	710	64.5						010033917
17	50	3.0	61	88	30	56	12	010600319
17	63	3.8	75	102	25	57	14	010600320
17	75	4.5	89	122	27	67	16	010600321
17	90	5.4	105	138	43	80	17	010600322
17	110	6.6	125	158	37	80	18	010600323
17	125	7.4	132	158	45	87	18	010600324
17	140	8.3	155	188	39	82	18	010600325
17	160	9.5	175	212	52	100	18	010600326
17	180	10.7	186	212	75	127	20	010600327
17	200	11.9	233	268	75	140	24	010600328
17	225	13.4	235	268	75	127	24	010600329
17	250	14.8	285	320	60	121	25	010600330
17	280	16.6	291	320	69	119	25	010600331
17	315	18.7	335	370	86	164	25	010600332
17	355	21.1	373	430	100	180	30	010600150
17	400	23.7	427	482	105	195	33	010600153
17	450	26.7	514	585	60	139	46	010600333
17	500	29.7	530	585	60	138	46	010600334
17	560	33.2	615	685	60	139	50	010600335
17	630	37.4	642	685	60	142	50	010600336
17	710	42.1						010033918
17	800	47.4	840	905	60	150	54	010030032
17	900	53.3	944	1005	50	155	58	010030033
26	710	27.2						010033919
26	800	30.6	840	905	60	150	40	010030034
26	900	34.4	944	1005	50	155	43	010030035
33	110	3.4	125	158	37	83	18	010600378
33	125	3.9	132	158	44	87	18	010600380
33	140	4.3	155	188	35	83	18	010600382

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	Art. No.
33	160	4.9	175	212	43	95	18	010600384
33	180	5.5	186	212	62	84	18	010600385
33	200	6.2	232	268	60	121	18	010600387
33	225	6.9	235	268	65	121	18	010600389
33	250	7.7	285	320	60	119	20	010600391
33	280	8.6	291	320	71	118	20	010600393
33	315	9.7	335	370	86	165	20	010600394
33	355	10.9	373	430	100	180	23	010600395
33	400	12.3	427	482	100	195	26	010600396
33	450	13.8	514	585	60	139	33	010600397
33	500	15.3	530	585	60	138	38	010600399
33	560	17.2	615	685	60	139	40	010600401
33	630	19.3	642	685	80	142	40	010600403
33	710	21.8						010033920
33	800	24.5	840	905	60	150	36	010030036
33	900	27.6	944	1005	50	155	40	010030037

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PE 100 RC Stub flanges for loose flange ISO/DIN, injected



Product details:

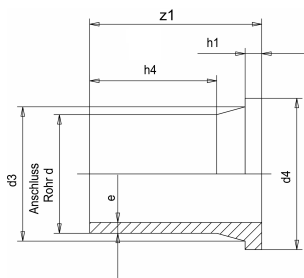
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- Stub flanges for loose flange ANSI or JIS on request
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	Art. No.
11	20	2.0	27	45	62	85	7	019400116
11	25	2.3	33	58	62	90	9	019400117
11	32	3.0	40	68	62	86	10	019400105
11	40	3.7	50	78	62	89	11	019400106
11	50	4.6	60	88	62	90	12	019400108
11	63	5.8	75	102	70	106	14	019400034
11	75	6.8	89	122	90	125	16	019400035
11	90	8.2	105	138	100	140	17	019400037
11	110	10.0	125	158	113	160	18	019400039
11	125	11.4	132	158	116	170	25	019400041
11	140	12.7	155	188	128	182	25	019400111
11	160	14.6	175	212	155	208	25	019400043
11	180	16.4	186	212	168	202	30	019400046
11	200	18.2	232	268	140	206	32	019400112
11	225	20.5	235	268	135	201	32	019400050
11	250	22.7	285	320	138	219	35	019400129
11	280	25.4	291	320	152	231	35	019400132
11	315	28.6	335	370	158	239	35	019400134
11	355	32.2	373	430	176	260	40	019400192
11	400	36.3	427	482	195	290	46	019400194
11	450	40.9	516	585	210	335	60	010030433
11	500	45.4	532	585	230	350	60	010030434
11	560	50.8	616	685	240	370	60	010030435
11	630	57.2	643	685	260	390	60	010030436
11	710	64.5						010022570
17	50	3.0	60	88	62	90	12	019400107
17	63	3.8	75	102	70	106	14	019400119
17	75	4.5	89	122	90	125	16	019400109
17	90	5.4	105	138	100	140	17	019400121
17	110	6.6	125	158	113	158	18	019400122
17	125	7.4	132	158	122	170	18	019400123
17	140	8.3	153	188	130	173	18	019400110
17	160	9.5	175	212	160	208	18	019400042
17	180	10.7	186	212	140	200	20	019400045
17	200	11.9	232	268	133	199	24	019400126
17	225	13.4	235	268	135	201	24	019400049
17	250	14.8	285	320	148	220	25	019400128
17	280	16.6	291	320	154	230	25	019400131
17	315	18.7	335	370	166	242	25	019400133
17	355	21.1	373	430	179	261	30	019400191
17	400	23.7	427	482	195	290	33	019400193
17	450	26.7	515	585	225	335	46	010030429
17	500	29.7	532	585	240	350	46	010030430
17	560	33.2	616	685	250	370	50	010030431
17	630	37.4	644	685	270	390	50	010030432
17	710	42.1						010022568
17	800	47.4						010033922
17	900	53.3						010033925
26	710	27.2						010033921
26	800	30.6						010033923
26	900	34.4						010033926
33	710	21.8						010022569
33	800	24.5						010033924
33	900	27.6						010033927

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PE 100 RC FM-Line Stub flanges for loose flange ISO/DIN, injected



Product details:

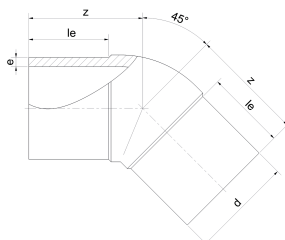
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	z1 (mm)	h1 (mm)	h4 (mm)	PN (bar)	kg/piece	Art. No.
11	90	8.2	105	138	140	17	100	16	0.460	010024944
11	110	10.0	125	158	160	18	113	16	0.715	010024945
11	125	11.4	132	158	183	25	134	16	0.970	010024946
11	140	12.7	155	188	182	25	130	16	1.280	010024947
11	160	14.6	175	212	208	25	155	16	1.835	010024948
11	180	16.4	186	212	202	30	168	16	1.960	010024949
11	200	18.2	232	268	200	32	128	16	3.130	010024950
11	225	20.5	235	268	201	32	135	16	3.260	010024951
11	250	22.7	285	320	219	35	138	16	5.240	010024952
11	280	25.4	291	320	231	35	152	16	5.520	010024953
11	315	28.6	335	370	239	35	158	16	7.575	010024954
11	355	32.2	373	430	260	40	176	16	10.710	010024955
11	400	36.3	427	482	290	46	195	16	15.335	010024956

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PE 100 RC Elbows 45°, injected



Product details:

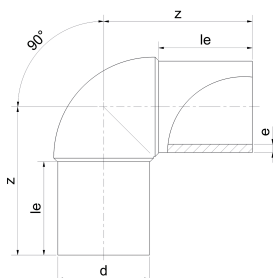
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- Based on DIN EN ISO 15494/B, DIN EN 1555/3, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	20	1.9	52	72	16	45	0.020	019200207
11	25	2.3	57	75	16	45	0.031	019200208
11	32	3.0	71	90	16	45	0.058	019200209
11	40	3.7	74	95	16	45	0.091	019200210
11	50	4.6	62	76	16	45	0.111	019200211
11	63	5.8	66	88	16	45	0.210	019200212
11	75	6.8	71	90	16	45	0.291	019200213
11	90	8.2	83	105	16	45	0.480	019200214
11	110	10.0	93	121	16	45	0.850	019200215
11	125	11.4	99	137	16	45	1.200	019200216
11	140	12.7	121	168	16	45	1.760	019200338
11	160	14.6	142	190	16	45	2.723	019200217
11	180	16.4	141	196	16	45	3.470	019200218
11	200	18.2	153	207	16	45	4.610	019200219
11	225	20.5	154	210	16	45	6.145	019200220
11	250	22.7	133	220	16	45	8.330	019200279
11	280	25.4	144	227	16	45	10.640	019200281
11	315	28.6	155	250	16	45	14.670	019200283
17	50	3.0	61	76	10	45	0.084	019200189
17	63	3.8	65	88	10	45	0.145	019200191
17	75	4.5	71	90	10	45	0.200	019200193
17	90	5.4	83	105	10	45	0.340	019200195
17	110	6.6	91	121	10	45	0.575	019200197
17	125	7.4	97	137	10	45	0.815	019200199
17	140	8.3	120	168	10	45	1.276	019200378
17	160	9.5	142	190	10	45	1.875	019200200
17	180	10.7	141	196	10	45	2.450	019200202
17	200	11.9	152	207	10	45	3.300	019200204
17	225	13.4	153	210	10	45	4.280	019200206
17	250	14.8	133	220	10	45	5.860	019200278
17	280	16.6	142	227	10	45	7.650	019200280
17	315	18.7	154	250	10	45	10.440	019200282

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PE 100 RC Elbows 90°, injected



Product details:

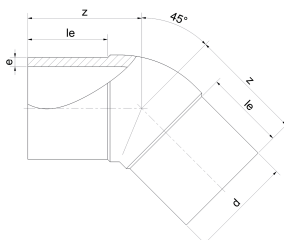
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- Based on DIN EN ISO 15494/B, DIN EN 1555/3, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	20	2.0	52	73	16	90	0.021	019200177
11	25	2.3	56	80	16	90	0.034	019200178
11	32	3.0	70	95	16	90	0.065	019200179
11	40	3.7	74	105	16	90	0.097	019200180
11	50	4.6	80	108	16	90	0.153	019200181
11	63	5.8	80	117	16	90	0.265	019200182
11	75	6.8	90	132	16	90	0.415	019200071
11	90	8.2	91	142	16	90	0.645	019200183
11	110	10.0	99	162	16	90	1.070	019200184
11	125	11.4	103	169	16	90	1.500	019200072
11	140	12.7	120	200	16	90	2.275	019200257
11	160	14.6	142	233	16	90	3.364	019200073
11	180	16.4	142	247	16	90	4.440	019200185
11	200	18.2	153	262	16	90	6.075	019200186
11	225	20.5	154	281	16	90	8.030	019200187
11	250	22.7	134	293	16	90	10.560	019200285
11	280	25.4	144	330	16	90	15.030	019200287
11	315	28.6	154	370	16	90	21.360	019200289
17	50	3.0	80	108	10	90	0.105	019200160
17	63	3.8	80	116	10	90	0.182	019200069
17	75	4.5	89	129	10	90	0.287	019200162
17	90	5.4	90	143	10	90	0.465	019200164
17	110	6.6	99	160	10	90	0.765	019200166
17	125	7.4	102	171	10	90	1.030	019200168
17	140	8.3	120	200	10	90	1.610	019200307
17	160	9.5	141	230	10	90	2.375	019200170
17	180	10.7	141	243	10	90	3.035	019200172
17	200	11.9	152	263	10	90	4.230	019200174
17	225	13.4	153	277	10	90	5.630	019200176
17	250	14.8	134	293	10	90	7.800	019200284
17	280	16.6	144	325	10	90	10.670	019200286
17	315	18.7	153	370	10	90	15.810	019200288

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PE 100 RC FM-Line Elbows 45°, injected



Product details:

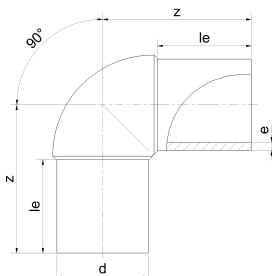
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- Based on DIN EN ISO 15494/B, DIN EN 1555/3, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	90	8.2	83	105	16	45	0.480	010024835
11	110	10.0	93	121	16	45	0.850	010024836
11	125	11.4	99	133	16	45	1.200	010024837
11	140	12.7	120	158	16	45	2.723	010024838
11	160	14.6	142	180	16	45	3.450	010024839
11	180	16.4	141	185	16	45	4.755	010024840
11	200	18.2	153	203	16	45	6.145	010024841
11	225	20.5	153	205	16	45	8.330	010024842
11	250	22.7	134	215	16	45	10.640	010024843
11	280	25.4	143	227	16	45	14.670	010024844
11	315	28.6	155	245	16	45	14.800	010024845

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PE 100 RC FM-Line Elbows 90°, injected



Product details:

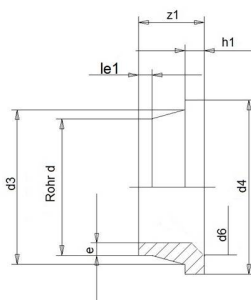
- black
- injected, with elongated spigot, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- Based on DIN EN ISO 15494/B, DIN EN 1555/3, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	90	8.2	91	142	16	90	1.500	010024824
11	110	10.0	99	162	16	90	3.364	010024825
11	125	11.4	103	169	16	90	0.645	010024826
11	140	12.7	120	200	16	90	1.070	010024827
11	160	14.6	142	233	16	90	4.440	010024828
11	180	16.4	142	247	16	90	6.075	010024829
11	200	18.2	153	262	16	90	8.030	010024830
11	225	20.5	154	281	16	90	2.275	010024831
11	250	22.7	134	290	16	90	11.020	010024832
11	280	25.4	144	330	16	90	15.200	010024833
11	315	28.6	153	370	16	90	21.570	010024834

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PE 100 RC Stub flanges for loose flange ISO/DIN, with chamfer, injected



Product image for illustration purposes only.

Product details:

- black
- injected, for butt welding
- With turned chamfer (d_k on request) corresponding to valve disc exit dimensions; other SDR series on request.
- DIN EN ISO 15494/B, DIN EN 12201/3

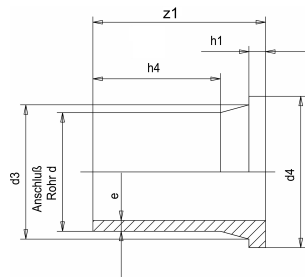
SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.
11	110	10.0	125	158	37	80	18	16	0.470	010022295
11	125	11.4	132	158	35	80	25	16	0.590	010022296
11	140	12.7	155	188	35	83	25	16	0.750	010022297
11	160	14.6	175	212	52	105	25	16	0.980	010022298
11	180	16.4	186	212	65	127	30	16	0.995	010022299
11	200	18.2	233	268	65	140	32	16	2.270	010022300
11	225	20.5	235	268	65	127	32	16	2.250	010022301
11	250	22.7	285	320	55	120	35	16	3.185	010022302
11	280	25.4	291	320	69	119	35	16	3.125	010022303
11	315	28.6	335	370	86	168	35	16	5.650	010022304
11	355	32.2	373	430	100	187	40	16	8.120	010022306
11	400	36.3	427	482	95	195	46	16	11.175	010022308
11	450	40.9	514	585	60	139	60	16	14.310	010022311
11	500	45.4	530	585	60	138	60	16	13.530	010022315

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PE 100 FM-Line Stub flanges for loose flange ISO/DIN, elongated



Product image for illustration purposes only.



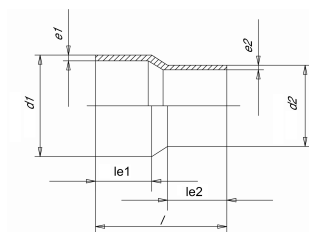
Product details:

- black
- machined or injected, elongated with pipe, for butt welding and electrofusion welding, interior weld bead removed
- FM Approval 1613 15 bar / 218 psi
- Based on DIN EN ISO 15494/B, DIN EN 12201/3, DIN EN 1555/3

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	z1 (mm)	h1 (mm)	h4 (mm)	PN (bar)	kg/piece	Art. No.
11	450	40.9	514	585	360	60	195	16	24.800	010025201
11	500	45.4	530	585	380	60	215	16	27.400	010025202
11	560	50.8	615	685	400	60	235	16	38.000	010025203
11	630	57.2	642	685	420	60	255	16	42.300	010025204

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PE 100 Reducers concentric, machined



Product image for illustration purposes only.

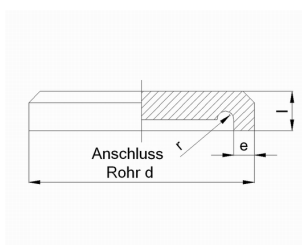
Product details:

- black
- machined, with elongated spigot, for butt welding and electrofusion welding
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	355	250	32.2	22.7	164	136	16	390	13.520	010013322
11	355	280	32.2	25.4	164	139	16	390	13.155	010013323
11	355	315	32.2	28.6	164	150	16	390	13.000	010013324
11	400	280	36.3	25.4	179	139	16	415	16.880	010013325
11	400	315	36.3	28.6	179	150	16	415	17.700	010013326
11	400	355	36.3	32.2	179	164	16	420	17.800	010013327
11	450	280	40.9	25.4	205	140	16	390	16.200	010006432
11	450	315	40.9	28.6	205	150	16	390	16.700	010006433
11	450	355	40.9	32.2	205	165	16	400	17.500	010006434
11	450	400	40.9	36.3	205	180	16	400	18.500	010006435
11	500	315	45.4	28.6	225	150	16	430	21.900	010006436
11	500	355	45.4	32.2	225	165	16	430	22.600	010006437
11	500	400	45.4	36.3	225	180	16	430	23.600	010006438
11	500	450	45.4	40.9	225	195	16	430	25.100	010006439
11	560	355	50.8	32.2	240	165	16	460	30.100	010006440
11	560	400	50.8	36.3	240	180	16	470	31.000	010006442
11	560	450	50.8	40.9	240	195	16	470	32.400	010006443
11	560	500	50.8	45.4	240	215	16	470	34.100	010006444
11	630	400	57.2	36.3	260	180	16	510	41.900	010006445
11	630	450	57.2	40.9	260	195	16	510	43.100	010006446
11	630	500	57.2	45.4	260	215	16	510	44.700	010006447
11	630	560	57.2	50.8	260	235	16	520	46.800	010006448
17	355	250	21.1	14.8	164	129	10	390	7.200	010013315
17	355	280	21.1	16.6	164	139	10	390	9.000	010013316
17	355	315	21.1	18.7	164	150	10	340	10.000	010013317
17	400	280	23.7	16.6	179	139	10	415	13.500	010013318
17	400	315	23.7	18.7	179	150	10	415	13.060	010013319
17	400	355	23.7	21.1	179	164	10	420	15.000	010013320
17	450	280	26.7	16.6	205	140	10	390	11.500	010006449
17	450	315	26.7	18.7	195	150	10	390	11.600	010006450
17	450	355	26.7	21.1	195	165	10	395	11.900	010006451
17	450	400	26.7	23.7	205	180	10	400	12.700	010006452
17	500	315	29.7	18.7	212	150	10	425	15.500	010006453
17	500	355	29.7	21.1	225	165	10	430	15.700	010006454
17	500	400	29.7	23.7	225	180	10	430	16.200	010006455
17	500	450	29.7	26.7	225	195	10	430	17.000	010006456
17	560	355	33.2	21.1	240	165	10	460	21.400	010006457
17	560	400	33.2	23.7	240	180	10	470	21.700	010006458
17	560	450	33.2	26.7	240	195	10	470	22.300	010006459
17	560	500	33.2	29.7	240	215	10	470	23.200	010006460
17	630	400	37.4	23.7	260	180	10	510	29.700	010006461
17	630	450	37.4	26.7	260	195	10	510	30.100	010006462
17	630	500	37.4	29.7	260	215	10	510	30.800	010006463
17	630	560	37.4	33.2	260	235	10	520	31.900	010006464

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PE 100 End caps, elongated



Product details:

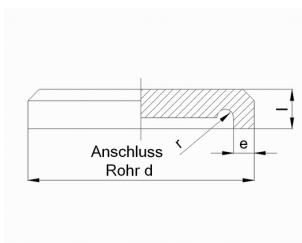
- black
- machined, elongated with pipe, for butt welding and electrofusion welding
- SDR 33 on request
- Based on DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	kg/piece	Art. No.
11	450	40.9	16	20.800	010006420
11	500	45.4	16	28.400	010006421
11	560	50.8	16	39.100	010006422
11	630	57.2	16	59.700	010006423
17	450	26.7	10	15.900	010006424
17	500	29.7	10	21.400	010006425
17	560	33.2	10	29.400	010006426
17	630	37.4	10	41.400	010006427

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PE 100 FM-Line End caps, elongated



Product details:

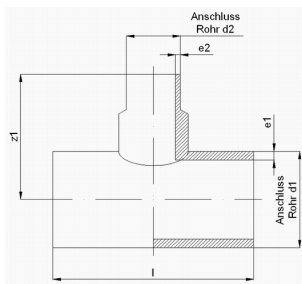
- black
- machined, elongated with pipe, for butt welding and electrofusion welding
- FM Approval 1613 15 bar / 218 psi
- Based on DIN EN ISO 15494/B, DIN EN 12201/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	kg/piece	Art. No.
11	450	40.9	16	20.800	010025099
11	500	45.4	16	28.400	010025100
11	560	50.8	16	39.100	010025101
11	630	57.2	16	59.700	010025102

All information provided in respect of technical data shall be considered non-binding. This information does not constitute a guarantee of specific properties or qualities and shall not be construed as a warranty in regard to product condition, durability or service life. Subject to modifications and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team: pipingsystems@simona.de.

PE 100 Tees with reduced branch, welded, reinforced



Product details:

- black
- fabricated from pipes, for butt welding and electrofusion welding, saddlemounted, reinforced
- reinforced for full pressure load, no pressure reduction factor
- DIN EN ISO 15494/B

Product image for illustration purposes only.

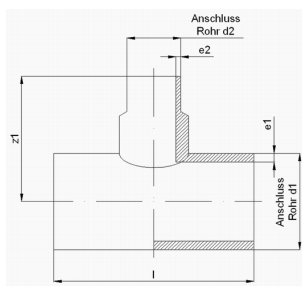
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	180	50	16.4	4.6	190	350	3.500	010010329
11	180	63	16.4	5.8	210	370	4.000	010010330
11	180	75	16.4	6.8	220	390	4.600	010010331
11	180	90	16.4	8.2	240	400	5.600	010010332
11	180	110	16.4	10	250	420	6.800	010010333
11	200	75	18.2	6.8	240	410	5.600	010010334
11	200	125	18.2	11.4	280	460	8.300	010010335
11	225	63	20.5	5.8	230	410	6.300	010010336
11	225	125	20.5	11.4	290	480	9.800	010010337
11	225	140	20.5	12.7	300	500	15.100	010010338
11	250	63	22.7	5.8	260	450	8.500	010010339
11	250	75	22.7	6.8	260	450	8.600	010010340
11	250	90	22.7	8.2	280	470	9.800	010010341
11	250	125	22.7	11.4	310	500	11.500	010010342
11	250	140	22.7	12.7	320	520	16.800	010010343
11	280	90	25.4	8.2	300	510	13.400	010010344
11	280	110	25.4	10	310	530	14.100	010010345
11	280	125	25.4	11.4	330	550	19.200	010010346
11	280	140	25.4	12.7	340	550	19.500	010010347
11	280	160	25.4	14.6	350	570	20.700	010010348
11	280	180	25.4	16.4	370	590	22.200	010010349
11	315	90	28.6	8.2	320	530	16.700	010010350
11	315	125	28.6	11.4	350	570	22.600	010010351
11	315	140	28.6	12.7	360	590	23.600	010010352
11	315	180	28.6	16.4	380	620	25.700	010010353
11	315	200	28.6	18.2	430	640	33.000	010010354
11	355	90	32.2	8.2	350	570	21.700	010010355
11	355	110	32.2	10	360	590	22.700	010010356
11	355	125	32.2	11.4	370	610	27.900	010010357
11	355	140	32.2	12.7	390	630	29.200	010010358
11	355	160	32.2	14.6	400	660	31.200	010010359
11	355	180	32.2	16.4	420	680	36.700	010010360
11	355	200	32.2	18.2	460	680	46.000	010010361
11	355	225	32.2	20.5	480	710	59.000	010010362
11	355	250					51.620	010033938
11	355	280					51.255	010033939
11	355	315					51.100	010033940
11	400	90	36.3	8.2	370	610	28.400	010010363
11	400	110	36.3	10	380	630	29.500	010010364
11	400	125	36.3	11.4	400	650	34.900	010010365
11	400	140	36.3	12.7	410	670	36.400	010010366
11	400	160	36.3	14.6	430	700	38.600	010010367
11	400	180	36.3	16.4	450	720	44.200	010010368
11	400	200	36.3	18.2	500	750	56.300	010010369
11	400	225	36.3	20.5	520	790	70.800	010010370
11	400	250	36.3	22.7	530	790	72.100	010010371
11	400	280					68.890	010033941
11	400	315					69.710	010033942
11	400	355					69.810	010033943
11	450	110	40.9	10	410	670	38.700	010010372
11	450	125	40.9	11.4	430	690	44.300	010010373
11	450	140	40.9	12.7	440	710	46.000	010010374
11	450	160	40.9	14.6	460	740	48.500	010010375
11	450	180	40.9	16.4	480	760	54.200	010010376

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	450	200	40.9	18.2	530	790	66.400	010010377
11	450	225	40.9	20.5	550	830	80.900	010010378
11	450	250	40.9	22.7	560	830	82.200	010010379
11	450	280	40.9	25.4	590	870	88.900	010010380
11	450	315					91.300	010033944
11	450	355					92.100	010033945
11	450	400					93.100	010033946
11	500	110	45.4	10	440	720	50.200	010010381
11	500	125	45.4	11.4	450	740	56.100	010010382
11	500	140	45.4	12.7	470	760	58.100	010010383
11	500	160	45.4	14.6	490	790	60.900	010010384
11	500	180	45.4	16.4	510	810	66.900	010010385
11	500	200	45.4	18.2	560	840	79.400	010010386
11	500	225	45.4	20.5	580	880	94.100	010010387
11	500	250	45.4	22.7	600	920	100.900	010010388
11	500	280	45.4	25.4	620	920	102.100	010010389
11	500	315	29.7	18.7	650	960	121.800	010034000
11	500	355					122.600	010033947
11	500	400					123.600	010033948
11	500	450					125.100	010033949
11	560	160	50.8	14.6	530	870	84.500	010010390
11	560	180	50.8	16.4	540	870	85.100	010010391
11	560	200	50.8	18.2	590	900	98.000	010010392
11	560	225	50.8	20.5	730	930	123.800	010010393
11	560	250	50.8	22.7	770	970	131.900	010010394
11	560	280	50.8	25.4	800	1020	141.200	010010395
11	560	315	50.8	28.6	830	1020	162.400	010010396
11	560	355					172.100	010033950
11	560	400					173.000	010033951
11	560	450					174.400	010033952
11	560	500					176.100	010033953
11	630	160	57.2	14.6	560	890	101.300	010010397
11	630	180	57.2	16.4	580	920	105.300	010010398
11	630	200	57.2	18.2	630	950	122.600	010010399
11	630	225	57.2	20.5	650	980	137.600	010010400
11	630	250	57.2	22.7	680	1020	116.500	010010401
11	630	280	57.2	25.4	700	1070	124.500	010010402
11	630	315	57.2	28.6	720	1070	170.300	010010403
11	630	355					228.000	010033954
11	630	400					229.900	010033955
11	630	450					231.100	010033956
11	630	500					232.700	010033957
11	630	560					234.800	010033958
17	180	50	10.7	3	190	350	2.500	010010404
17	180	63	10.7	3.8	200	370	3.000	010010405
17	180	75	10.7	4.5	220	390	3.400	010010406
17	180	90	10.7	5.4	230	390	4.200	010010407
17	180	110	10.7	6.6	240	420	5.500	010010408
17	200	75	11.9	4.5	230	410	4.100	010010409
17	200	125	11.9	7.4	260	460	6.500	010010410
17	225	63	13.4	3.8	230	410	4.500	010010411
17	225	125	13.4	7.4	280	480	7.500	010010412
17	225	140	13.4	8.3	290	500	12.500	010010413
17	250	63	14.8	3.8	240	430	5.500	010010414
17	250	75	14.8	4.5	260	450	6.100	010010415
17	250	90	14.8	5.4	270	470	7.200	010010416
17	250	125	14.8	7.9	290	500	8.600	010010417
17	250	140	14.8	8.3	310	520	13.600	010010418
17	280	90	16.6	5.4	290	490	8.900	010010419
17	280	110	16.6	6.6	300	510	10.100	010010420
17	280	125	16.6	7.4	310	530	10.500	010010421
17	280	140	16.6	8.3	320	550	15.400	010010422
17	280	160	16.6	9.5	340	570	16.500	010010423
17	280	180	16.6	10.7	350	590	17.900	010010424
17	315	90	18.7	5.4	310	520	11.200	010010425
17	315	125	18.7	7.4	330	550	16.700	010010426
17	315	140	18.7	8.3	340	570	17.700	010010427
17	315	180	18.7	10.7	370	620	20.600	010010428
17	315	200	18.7	11.9	390	640	25.300	010010429
17	355	90	21.1	5.4	330	560	14.600	010010430
17	355	110	21.1	6.6	350	590	16.300	010010431
17	355	125	21.1	7.4	350	590	20.200	010010432
17	355	140	21.1	8.3	370	610	21.200	010010433
17	355	160	21.1	9.5	380	630	24.300	010010434
17	355	180	21.1	10.7	400	660	26.900	010010435
17	355	200	21.1	11.9	410	680	28.900	010010436
17	355	225	21.1	13.4	430	710	35.800	010010437
17	355	250					33.180	010033962
17	355	280					34.980	010033963
17	355	315					35.980	010033964
17	400	90	23.7	5.4	360	600	19.000	010010438
17	400	110	23.7	6.6	370	630	20.900	010010439
17	400	125	23.7	7.4	380	650	25.700	010010440
17	400	140	23.7	8.3	390	650	26.000	010010441

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
17	400	160	23.7	9.5	410	670	29.100	010010442
17	400	180	23.7	10.7	420	700	31.800	010010443
17	400	200	23.7	11.9	440	720	33.800	010010444
17	400	225	23.7	13.4	460	750	40.600	010010445
17	400	250	23.7	14.8	540	790	47.100	010010446
17	400	280					49.560	010033965
17	400	315					49.120	010033966
17	400	355					51.060	010033967
17	450	110	26.7	6.6	400	670	27.100	010010447
17	450	125	26.7	7.4	410	690	32.000	010010448
17	450	140	26.7	8.3	430	710	33.400	010010449
17	450	160	26.7	9.5	440	740	37.200	010010450
17	450	180	26.7	10.7	450	740	38.400	010010451
17	450	200	26.7	11.9	470	760	40.500	010010452
17	450	225	26.7	13.4	490	790	47.400	010010453
17	450	250	26.7	14.8	570	830	53.700	010010454
17	450	280	26.7	16.6	580	870	48.600	010010455
17	450	315					62.220	010033968
17	450	355					62.520	010033969
17	450	400					63.320	010033970
17	500	110	29.7	6.6	430	720	35.000	010010456
17	500	125	29.7	7.4	440	740	40.100	010010457
17	500	140	29.7	8.3	450	760	41.600	010010458
17	500	160	29.7	9.5	470	790	45.700	010010459
17	500	180	29.7	10.7	480	790	46.900	010010460
17	500	200	29.7	11.9	500	810	49.100	010010461
17	500	225	29.7	13.4	510	840	56.200	010010462
17	500	250	29.7	14.8	600	880	54.300	010010463
17	500	280	29.7	16.6	620	920	58.200	010010464
17	500	315	29.7	18.7	650	960	68.100	010010465
17	500	355					84.100	010033971
17	500	400					84.600	010033972
17	500	450					85.400	010033973
17	560	160	33.2	9.5	500	840	57.300	010010466
17	560	180	33.2	10.7	520	870	60.700	010010467
17	560	200	33.2	11.9	540	900	63.900	010010468
17	560	225	33.2	13.4	550	900	68.800	010010469
17	560	250	33.2	14.8	630	930	66.600	010010470
17	560	280	33.2	16.6	650	970	70.800	010010471
17	560	315	33.2	18.7	680	1020	81.100	010010472
17	560	355					160.400	010033974
17	560	400					160.700	010033975
17	560	450					161.500	010033976
17	560	500					162.400	010033977
17	630	160	37.4	9.5	540	890	73.200	010010473
17	630	180	37.4	10.7	560	920	77.100	010010474
17	630	200	37.4	11.9	580	950	80.600	010010475
17	630	225	37.4	13.4	600	980	88.700	010010476
17	630	250	37.4	14.8	670	980	83.400	010010477
17	630	280	37.4	16.6	690	1020	88.300	010010478
17	630	315	37.4	18.7	720	1070	98.800	010010479
17	630	355					214.300	010033978
17	630	400					214.700	010033979
17	630	450					215.100	010033980
17	630	500					215.800	010033981
17	630	560					216.900	010033982
17	710	160	42.1	9.5	580	930	93.600	010010480
17	710	180	42.1	10.7	600	960	98.000	010010481
17	710	200	42.1	11.9	620	990	102.100	010010482
17	710	225	42.1	13.4	640	1020	110.800	010010483
17	710	250	42.1	14.8	730	1060	119.500	010010484
17	710	280	42.1	16.6	740	1060	111.100	010010485
17	710	315	42.1	18.7	770	1110	122.500	010010486
17	800	160	47.4	9.5	630	980	121.400	010010487
17	800	180	47.4	10.7	650	1010	126.600	010010488
17	800	200	47.4	11.9	670	1040	131.400	010010489
17	800	225	47.4	13.4	690	1070	140.700	010010490
17	800	250	47.4	14.8	780	1110	150.300	010010491
17	800	280	47.4	16.6	790	1110	141.900	010010492
17	800	315	47.4	18.7	820	1160	154.300	010010493

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PE 100 FM-Line Tees with reduced branch, welded, reinforced



Product image for illustration purposes only.

Product details:

- black
- fabricated from pipes, for butt welding and electrofusion welding, saddlemounted, reinforced
- reinforced for full pressure load, no pressure reduction factor FM Approval 1613
- DIN EN ISO 15494/B

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	180	90	16.4	8.2	240	400	5.600	010025134
11	180	110	16.4	10	250	420	6.800	010025135
11	200	125	18.2	11.4	280	460	8.300	010025136
11	225	140	20.5	12.7	300	500	15.100	010025137
11	250	90	22.7	8.2	280	470	9.800	010025138
11	250	125	22.7	11.4	310	500	11.500	010025139
11	250	140	22.7	12.7	320	520	16.800	010025140
11	280	90	25.4	8.2	300	510	13.400	010025141
11	280	110	25.4	10	310	530	14.100	010025142
11	280	125	25.4	11.4	330	550	19.200	010025143
11	280	140	25.4	12.7	340	550	19.500	010025144
11	280	160	25.4	14.6	350	570	20.700	010025145
11	280	180	25.4	16.4	370	590	22.200	010025146
11	315	90	28.6	8.2	320	530	16.700	010025147
11	315	125	28.6	11.4	350	570	22.600	010025148
11	315	140	28.6	12.7	360	590	23.600	010025149
11	315	180	28.6	16.4	380	620	25.700	010025150
11	315	200	28.6	18.2	430	640	33.000	010025151
11	355	90	32.2	8.2	350	570	21.700	010025152
11	355	110	32.2	10	360	590	22.700	010025153
11	355	125	32.2	11.4	370	610	27.900	010025154
11	355	140	32.2	12.7	390	630	29.200	010025155
11	355	160	32.2	14.6	400	660	31.200	010025156
11	355	180	32.2	16.4	420	680	36.700	010025157
11	355	200	32.2	18.2	460	680	46.000	010025158
11	355	225	32.2	20.5	480	710	59.000	010025159
11	400	90	36.3	8.2	370	610	28.400	010025160
11	400	110	36.3	10	380	630	29.500	010025161
11	400	125	36.3	11.4	400	650	34.900	010025162
11	400	140	36.3	12.7	410	670	36.400	010025163
11	400	160	36.3	14.6	430	700	38.600	010025164
11	400	180	36.3	16.4	450	720	44.200	010025165
11	400	200	36.3	18.2	500	750	56.300	010025166
11	400	225	36.3	20.5	520	790	70.800	010025167
11	400	250	36.3	22.7	530	790	72.100	010025168
11	450	110	40.9	10	410	670	38.700	010025169
11	450	125	40.9	11.4	430	690	44.300	010025170
11	450	140	40.9	12.7	440	710	46.000	010025171
11	450	160	40.9	14.6	460	740	48.500	010025172
11	450	180	40.9	16.4	480	760	54.200	010025173
11	450	200	40.9	18.2	530	790	66.400	010025174
11	450	225	40.9	20.5	550	830	80.900	010025175
11	450	250	40.9	22.7	560	830	82.200	010025176
11	450	280	40.9	25.4	590	870	88.900	010025177
11	500	110	45.4	10	440	720	50.200	010025178
11	500	125	45.4	11.4	450	740	56.100	010025179
11	500	140	45.4	12.7	470	760	58.100	010025180
11	500	160	45.4	14.6	490	790	60.900	010025181
11	500	180	45.4	16.4	510	810	66.900	010025182
11	500	200	45.4	18.2	560	840	79.400	010025183
11	500	225	45.4	20.5	580	880	94.100	010025184
11	500	250	45.4	22.7	600	920	100.900	010025185
11	500	280	45.4	25.4	620	920	102.100	010025186
11	560	160	50.8	14.6	530	870	84.500	010025187

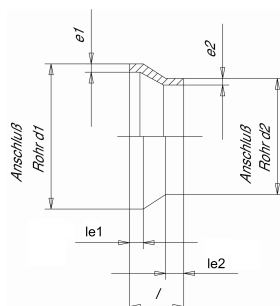
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	560	180	50.8	16.4	540	870	85.100	010025188
11	560	200	50.8	18.2	590	900	98.000	010025189
11	560	225	50.8	20.5	730	930	123.800	010025190
11	560	250	50.8	22.7	770	970	131.900	010025191
11	560	280	50.8	25.4	800	1020	141.200	010025192
11	560	315	50.8	28.6	830	1020	162.400	010025193
11	630	160	57.2	14.6	560	890	101.300	010025194
11	630	180	57.2	16.4	580	920	105.300	010025195
11	630	200	57.2	18.2	630	950	122.600	010025196
11	630	225	57.2	20.5	650	980	137.600	010025197
11	630	250	57.2	22.7	680	1020	116.500	010025198
11	630	280	57.2	25.4	700	1070	124.500	010025199
11	630	315	57.2	28.6	720	1070	170.300	010025200

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PE 100 Reducers concentric, machined



Product image for illustration purposes only.



Product details:

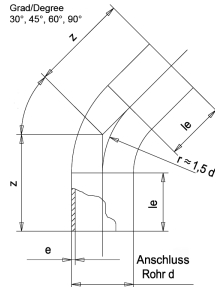
- black
- machined, for butt welding
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	355	225	32.3	20.5	57	40	140	4.700	010013330
11	355	250	32.3	22.8	54	40	130	4.400	010013332
11	355	280	32.3	25.5	53	40	120	4.100	010013333
11	355	315	32.3	28.7	53	40	110	3.700	010013334
11	400	225	36.4	20.5	64	40	160	6.800	010013335
11	400	250	36.4	22.8	61	40	150	6.500	010013336
11	400	280	36.4	25.5	60	40	140	6.200	010013337
11	400	315	36.4	28.7	50	40	120	5.300	010013338
11	400	355	36.4	32.3	51	40	110	4.800	010013339
11	450	280	41.0	25.5	65	40	160	9.000	010013341
11	450	315	41.0	28.7	55	40	140	8.000	010013342
11	450	355	41.0	32.3	57	40	130	7.400	010013343
11	450	400	41.0	36.4	60	40	120	6.600	010013344
11	500	315	45.5	28.7	71	40	170	12.000	010013345
11	500	355	45.5	32.3	62	40	150	10.800	010013346
11	500	400	45.5	36.4	65	40	140	10.000	010013347
11	500	450	45.5	41	60	40	120	8.300	010013348
11	560	400	51.0	36.4	68	40	160	14.700	010013350
11	560	450	51.0	41	62	40	140	12.000	010013351
11	560	500	51.0	45.5	67	40	130	11.400	010013352
11	630	400	57.3	36.4	78	40	190	22.300	010013354
11	630	450	57.3	41	72	40	170	20.200	010013355
11	630	500	57.3	45.5	67	40	150	17.800	010013356
11	630	560	57.3	51	64	40	130	14.800	010013357
17	355	225	21.1	13.4	57	40	140	3.100	010013360
17	355	250	21.1	14.8	54	40	130	3.000	010013361
17	355	280	21.1	16.6	53	40	120	2.700	010013362
17	355	315	21.1	18.7	53	40	110	2.400	010013363
17	400	225	23.7	13.4	64	40	160	4.600	010013364
17	400	250	23.7	14.8	61	40	150	4.400	010013365
17	400	280	23.7	16.6	60	40	140	4.100	010013367
17	400	315	23.7	18.7	50	40	120	3.740	010013368
17	400	355	23.7	21.1	51	40	110	3.100	010013370
17	450	280	26.7	16.6	65	40	160	6.000	010013371
17	450	315	26.7	18.7	55	40	140	5.400	010013372
17	450	355	26.7	21.1	57	40	130	5.000	010013373
17	450	400	26.7	23.7	60	40	120	4.400	010013374
17	500	315	29.7	18.7	71	40	170	8.100	010013375
17	500	355	29.7	21.1	62	40	150	7.300	010013376
17	500	400	29.7	23.7	65	40	140	6.700	010013377
17	500	450	29.7	26.7	60	40	120	5.500	010013379
17	560	400	33.2	23.7	68	40	160	9.900	010013382
17	560	450	33.2	26.7	62	40	140	8.860	010013383
17	560	500	33.2	29.7	67	40	130	7.600	010013384
17	630	400	37.4	23.7	78	40	190	15.100	010013385
17	630	450	37.4	26.7	72	40	170	13.700	010013386
17	630	500	37.4	29.7	67	40	150	12.000	010013387
17	630	560	37.4	33.2	64	40	130	9.800	010013389
17	710	500	42.1	29.7	84	40	190	19.000	010013390
17	710	560	42.1	33.2	81	40	170	17.400	010013391
17	710	630	42.1	37.4	71	40	140	13.700	010013392
17	800	560	47.4	33.2	85	40	200	19.700	010013393
17	800	630	47.4	37.4	85	40	180	23.400	010013394
17	800	710	47.4	42.1	78	40	150	18.900	010013395

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
17	900	630	53.3	37.4	96	40	220	25.000	010013397
17	900	710	53.3	42.1	89	40	190	32.800	010019059
17	900	800	53.3	47.4	85	40	160	25.900	010019060
17	1000	710	59.3	42.1	101	40	230	50.300	010019061
17	1000	800	59.3	47.4	86	40	190	41.500	010019062
17	1000	900	59.3	53.3	75	40	150	30.600	010013398

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PE 100 RC FM-Line Bends, seamless



Product image for illustration purposes only.

Product details:

- black
- seamless, for butt welding and electrofusion welding ($r \sim 1.5 d$), made from pipe SDR 11
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
11	90	8.2	100	210	11	0.973	010026155
11	90	8.2	100	210	22	0.973	010026172
11	90	8.2	100	210	30	0.970	010026189
11	90	8.2	100	227	45	1.050	010026206
11	90	8.2	100	243	60	0.980	010026223
11	90	8.2	100	310	90	1.060	010026240
11	110	10.0	120	234	11	1.580	010026156
11	110	10.0	120	234	22	1.640	010026173
11	110	10.0	120	234	30	1.580	010026190
11	110	10.0	120	255	45	1.720	010026207
11	110	10.0	120	270	60	1.940	010026224
11	110	10.0	120	315	90	1.870	010026241
11	125	11.3	150	225	11	2.200	010026157
11	125	11.4	150	225	22	2.200	010026174
11	125	11.4	150	225	30	2.180	010026191
11	125	11.4	150	253	45	2.460	010026208
11	125	11.4	150	283	60	2.640	010026225
11	125	11.4	150	363	90	2.920	010026242
11	140	12.7	150	231	11	2.780	010026161
11	140	12.7	150	231	22	2.760	010026180
11	140	12.7	150	231	30	2.510	010026192
11	140	12.7	150	262	45	2.850	010026209
11	140	12.7	150	296	60	3.340	010026226
11	140	12.7	150	385	90	3.720	010026243
11	160	14.6	150	239	11	3.860	010026158
11	160	14.6	150	239	22	3.800	010026175
11	160	14.6	150	239	30	3.590	010026193
11	160	14.6	150	274	45	4.030	010026210
11	160	14.6	150	313	60	4.390	010026227
11	160	14.6	150	415	90	5.320	010026244
11	180	16.4	150	247	11	4.700	010026159
11	180	16.4	150	247	22	4.700	010026176
11	180	16.4	150	247	30	4.700	010026194
11	180	16.4	150	287	45	5.500	010026211
11	180	16.4	150	330	60	6.260	010026228
11	180	16.4	150	445	90	7.100	010026245
11	200	18.2	150	255	11	6.200	010026162
11	200	18.2	150	255	22	6.070	010026181
11	200	18.2	150	255	30	6.320	010026195
11	200	18.2	150	299	45	6.600	010026212
11	200	18.2	150	348	60	8.200	010026229
11	200	18.2	150	475	90	9.120	010026246
11	225	20.5	150	266	11	8.240	010026160
11	225	20.5	150	266	22	7.750	010026177
11	225	20.5	150	266	30	7.750	010026196
11	225	20.5	150	315	45	9.200	010026213
11	225	20.5	150	370	60	10.120	010026230
11	225	20.5	150	513	90	11.430	010026247
11	250	22.7	250	385	11	13.940	010026163
11	250	22.7	250	385	22	13.100	010026178
11	250	22.7	250	385	30	14.000	010026197
11	250	22.7	250	440	45	14.800	010026214
11	250	22.7	250	500	60	17.040	010026231
11	250	22.7	250	650	90	18.700	010026248

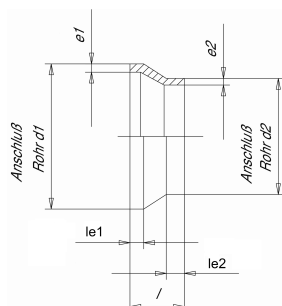
SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
11	280	25.4	250	400	11	16.300	010026164
11	280	25.4	250	400	22	16.300	010026182
11	280	25.4	250	400	30	18.280	010026198
11	280	25.4	250	460	45	20.050	010026215
11	280	25.4	250	530	60	24.180	010026232
11	280	25.4	250	695	90	24.300	010026249
11	315	28.6	250	460	11	21.845	010026165
11	315	28.6	250	460	22	21.845	010026179
11	315	28.6	250	460	30	26.000	010026199
11	315	28.6	250	535	45	29.280	010026216
11	315	28.6	250	612	60	32.800	010026233
11	315	28.6	250	803	90	36.800	010026250
11	355	32.2	300	540	11	41.000	010026166
11	355	32.2	300	540	22	37.000	010026183
11	355	32.2	300	540	30	31.700	010026200
11	355	32.2	300	620	45	42.200	010026217
11	355	32.2	300	690	60	41.700	010026234
11	355	32.2	300	900	90	50.700	010026251
11	400	36.3	300	560	11	45.900	010026167
11	400	36.3	300	560	22	45.900	010026184
11	400	36.3	300	560	30	45.900	010026201
11	400	36.3	300	650	45	56.000	010026218
11	400	36.3	300	730	60	55.800	010026235
11	400	36.3	300	980	90	75.000	010026252
11	450	40.9	300	580	11	60.200	010026168
11	450	40.9	300	580	22	60.200	010026185
11	450	40.9	300	580	30	62.000	010026202
11	450	40.9	300	680	45	69.800	010026219
11	450	40.9	300	780	60	76.000	010026236
11	450	40.9	300	1070	90	97.000	010026253
11	500	45.4	350	650	11	83.300	010026169
11	500	45.4	350	650	22	83.300	010026186
11	500	45.4	350	650	30	91.000	010026203
11	500	45.4	350	760	45	102.400	010026220
11	500	45.4	350	880	60	116.500	010026237
11	500	45.4	350	1200	90	151.000	010026254
11	560	50.8	350	680	11	108.600	010026170
11	560	50.8	350	680	22	108.600	010026187
11	560	50.8	350	680	30	116.000	010026204
11	560	50.8	350	800	45	141.000	010026221
11	560	50.8	350	930	60	139.500	010026238
11	560	50.8	350	1290	90	176.000	010026255
11	630	57.2	350	730	11	148.300	010026171
11	630	57.2	350	730	22	160.000	010026188
11	630	57.2	350	730	30	156.000	010026205
11	630	57.2	350	870	45	186.000	010026222
11	630	57.2	350	1000	60	198.000	010026239
11	630	57.2	350	1400	90	239.000	010026256

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PE 100 FM-Line Reducers concentric, machined



Product image for illustration purposes only.



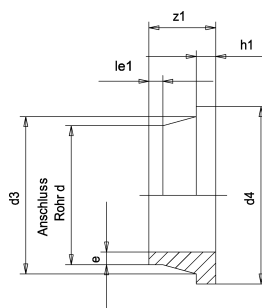
Product details:

- black
- machined, for butt welding
- FM Approval 1613 15 bar / 218 psi
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	kg/piece	Art. No.
11	355	225	32.3	20.5	140	4.700	010025110
11	355	250	32.3	22.8	130	4.400	010025111
11	355	280	32.3	25.5	120	4.100	010025112
11	355	315	32.3	28.7	110	3.700	010025113
11	400	225	36.4	20.5	160	6.800	010025114
11	400	250	36.4	22.8	150	6.500	010025115
11	400	280	36.4	25.5	140	6.200	010025116
11	400	315	36.4	28.7	120	5.300	010025117
11	400	355	36.4	32.3	110	4.800	010025118
11	450	280	41.0	25.5	160	9.000	010025119
11	450	315	41.0	28.7	140	8.000	010025120
11	450	355	41.0	32.3	130	7.400	010025121
11	450	400	41.0	36.4	120	6.600	010025122
11	500	315	45.5	28.7	170	12.000	010025123
11	500	355	45.5	32.3	150	10.800	010025124
11	500	400	45.5	36.4	140	10.000	010025125
11	500	450	45.5	41	120	8.300	010025126
11	560	400	51.0	36.4	160	14.700	010025127
11	560	450	51.0	41	140	12.000	010025128
11	560	500	51.0	45.5	130	11.400	010025129
11	630	400	57.3	36.4	190	22.300	010025130
11	630	450	57.3	41	170	20.200	010025131
11	630	500	57.3	45.5	150	17.800	010025132
11	630	560	57.3	51	130	14.800	010025133

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PE 100 Stub flanges for loose flange ISO/DIN, machined



Product image for illustration purposes only.

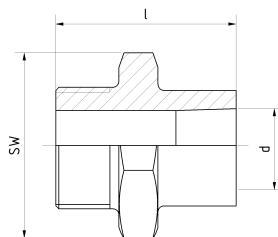
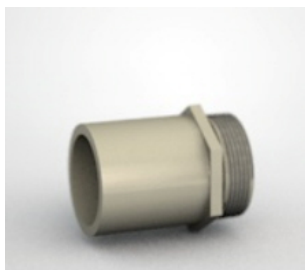
Product details:

- black
- machined, for butt welding
- Other SDR series on request
- DIN EN ISO 15494/B, DIN EN 12201/3

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.
17	1000	59.3	1047	1110	50	180	60	10	42.400	010013434
17	1100	64.7		1220	20	160	70	10	42.400	010013620
17	1200	75.5	1245	1330	30	190	90	10	42.800	010013622
33	1000	30.6	1047	1110	48	160	42	5	24.400	010013446
33	1100	33.3		1220	20	140	50	5	42.400	010013619
33	1200	36.7		1330	20	140	50	5	42.400	010013621

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PP Adaptors with threaded male end R



Product image for illustration purposes only.

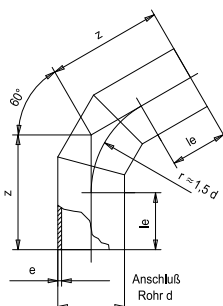
Product details:

- grey - RAL 7032
- injected, for socket welding
- with conical threaded male end R (acc. to DIN EN 10226/1), max. admissible operating overpressure for water at +20 °C 8 bar, double-layer PTFE tape recommended as sealant, execution with NPT-thread: Use of PP Adaptors NPT (see page 77) and PP Sockets (see page 84)
- DIN EN ISO 15494/C

d (mm)	R (")	PN (bar)	SW (mm)	Length (mm)	kg/piece	Art. No.
20	1/2	8	24	58	0.012	010700030
25	3/4	8	30	46	0.017	010700035
32	1	8	36	51	0.022	010700032
40	1 1/4	8	46	56	0.041	010700058
50	1 1/2	8	55	61	0.064	010700027
63	2	8	65	69	0.100	010700059

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PP Bends, segment welded



Product details:

- grey - RAL 7032
- segment welded ($r = 1.5 d$), for butt welding and electrofusion welding
- pressure reduction factor: 0.8
- DIN EN ISO 15494/C

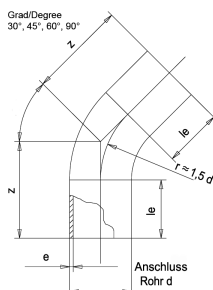
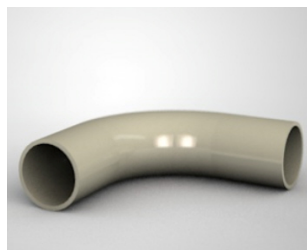
Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	90	8.2	150	192	10	30	0.610	010101012
11	90	8.2	150	207	10	45	0.730	010100936
11	90	8.2	150	232	10	60	0.810	010100860
11	90	8.2	150	300	10	90	1.020	010100829
11	110	10.0	150	194	10	30	1.180	010101017
11	110	10.0	150	218	10	45	1.380	010100940
11	110	10.0	150	245	10	60	1.440	010100864
11	110	10.0	150	315	10	90	1.800	010100830
11	125	11.4	150	200	10	30	1.580	010101021
11	125	11.4	150	228	10	45	1.780	010100944
11	125	11.4	150	258	10	60	1.990	010100868
11	125	11.4	150	338	10	90	2.400	010100831
11	140	12.7	150	206	10	30	2.040	010101025
11	140	12.7	150	237	10	45	2.310	010100948
11	140	12.7	150	271	10	60	2.590	010100872
11	140	12.7	150	360	10	90	3.150	010100832
11	160	14.6	150	214	10	30	2.770	010101029
11	160	14.6	150	249	10	45	3.170	010100952
11	160	14.6	150	288	10	60	3.600	010100876
11	160	14.6	150	390	10	90	4.430	010100834
11	180	16.4	150	222	10	30	3.620	010101033
11	180	16.4	150	262	10	45	4.180	010100956
11	180	16.4	150	305	10	60	4.800	010100880
11	180	16.4	150	420	10	90	5.980	010100836
11	200	18.2	150	230	10	30	4.630	010101037
11	200	18.2	150	274	10	45	5.440	010100960
11	200	18.2	150	323	10	60	6.240	010100884
11	200	18.2	150	450	10	90	7.870	010100838
11	225	20.5	150	241	10	30	6.090	010101041
11	225	20.5	150	290	10	45	7.300	010100964
11	225	20.5	150	355	10	60	8.390	010100888
11	225	20.5	150	488	10	90	10.600	010100840
11	250	22.7	250	350	10	30	11.000	010101045
11	250	22.7	250	412	10	45	12.500	010100968
11	250	22.7	250	466	10	60	14.100	010100892
11	250	22.7	250	625	10	90	17.300	010100842
11	280	25.4	250	362	10	30	14.200	010101049
11	280	25.4	250	424	10	45	16.300	010100972
11	280	25.4	250	492	10	60	18.700	010100896
11	280	25.4	250	670	10	90	23.100	010100844
11	315	28.6	300	428	10	30	21.200	010101053
11	315	28.6	300	498	10	45	24.300	010100976
11	315	28.6	300	576	10	60	27.600	010100900
11	315	28.6	300	773	10	90	33.800	010100846
11	355	32.2	300	443	10	30	27.900	010101057
11	355	32.2	300	520	10	45	32.300	010100980
11	355	32.2	300	608	10	60	36.900	010100904
11	355	32.2	300	833	10	90	46.000	010100848
11	400	36.3	300	461	10	30	36.900	010101061
11	400	36.3	300	548	10	45	43.200	010100984
11	400	36.3	300	646	10	60	49.800	010100908
11	400	36.3	300	900	10	90	61.400	010100850
11	450	40.9	300	481	10	30	48.700	010101065
11	450	40.9	300	580	10	45	57.700	010100988

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	450	40.9	300	689	10	60	67.000	010100912
11	450	40.9	300	975	10	90	85.300	010100104
11	500	45.4	350	551	10	30	73.000	010101069
11	500	45.4	350	665	10	45	87.200	010100992
11	500	45.4	350	783	10	60	100.130	010100916
11	500	45.4	350	1100	10	90	121.940	010100852
17.6	90	5.1	150	192	6	30	0.400	010101011
17.6	90	5.1	150	207	6	45	0.480	010100935
17.6	90	5.1	150	232	6	60	0.530	010100859
17.6	90	5.1	150	300	6	90	0.670	010100825
17.6	110	6.3	150	194	6	30	0.782	010101016
17.6	110	6.3	150	218	6	45	0.870	010100939
17.6	110	6.3	150	245	6	60	0.960	010100863
17.6	110	6.3	150	315	6	90	1.130	010100826
17.6	125	7.1	150	200	6	30	1.030	010101020
17.6	125	7.1	150	228	6	45	1.160	010100943
17.6	125	7.1	150	258	6	60	1.290	010100867
17.6	125	7.1	150	338	6	90	1.560	010100827
17.6	140	8.0	150	206	6	30	1.320	010101024
17.6	140	8.0	150	237	6	45	1.510	010100947
17.6	140	8.0	150	271	6	60	1.690	010100871
17.6	140	8.0	150	360	6	90	2.060	010100828
17.6	160	9.1	150	214	6	30	1.800	010101028
17.6	160	9.1	150	249	6	45	2.070	010100951
17.6	160	9.1	150	288	6	60	2.350	010100875
17.6	160	9.1	150	390	6	90	2.890	010100833
17.6	180	10.2	150	222	6	30	2.360	010101032
17.6	180	10.2	150	292	6	45	2.720	010100955
17.6	180	10.2	150	305	6	60	3.120	010100879
17.6	180	10.2	150	420	6	90	3.890	010100835
17.6	200	11.4	150	230	6	30	3.030	010101036
17.6	200	11.4	150	274	6	45	3.570	010100959
17.6	200	11.4	150	323	6	60	4.080	010100883
17.6	200	11.4	150	450	6	90	5.400	010100837
17.6	225	12.8	150	241	6	30	3.980	010101040
17.6	225	12.8	150	290	6	45	4.710	010100963
17.6	225	12.8	150	355	6	60	5.470	010100887
17.6	225	12.8	150	488	6	90	6.960	010100839
17.6	250	14.2	250	350	6	30	7.200	010101044
17.6	250	14.2	250	412	6	45	8.180	010100967
17.6	250	14.2	250	466	6	60	9.250	010100891
17.6	250	14.2	250	625	6	90	11.300	010100841
17.6	280	15.9	250	362	6	30	9.270	010101048
17.6	280	15.9	250	424	6	45	10.600	010100971
17.6	280	15.9	250	492	6	60	12.100	010100895
17.6	280	15.9	250	670	6	90	15.000	010100843
17.6	315	17.9	300	428	6	30	13.800	010101052
17.6	315	17.9	300	498	6	45	15.700	010100975
17.6	315	17.9	300	576	6	60	17.900	010100899
17.6	315	17.9	300	773	6	90	21.900	010100845
17.6	355	20.1	300	443	6	30	18.200	010101056
17.6	355	20.1	300	520	6	45	21.000	010100979
17.6	355	20.1	300	608	6	60	24.000	010100903
17.6	355	20.1	300	833	6	90	29.900	010100847
17.6	400	22.7	300	461	6	30	24.000	010101060
17.6	400	22.7	300	548	6	45	28.100	010100983
17.6	400	22.7	300	646	6	60	32.400	010100907
17.6	400	22.7	300	900	6	90	40.700	010100849
17.6	450	25.5	300	481	6	30	31.600	010101064
17.6	450	25.5	300	580	6	45	37.400	010100987
17.6	450	25.5	300	689	6	60	43.400	010100911
17.6	450	25.5	300	975	6	90	55.400	010100103
17.6	500	28.4	350	551	6	30	44.800	010101068
17.6	500	28.4	350	665	6	45	52.600	010100991
17.6	500	28.4	350	783	6	60	61.000	010100915
17.6	500	28.4	350	1100	6	90	77.400	010100851
17.6	560	31.7	350	575	6	30	58.500	010101072
17.6	560	31.7	350	698	6	45	69.600	010100995
17.6	560	31.7	350	835	6	60	81.300	010100919
17.6	560	31.7	350	1190	6	90	104.500	010100853
17.6	630	35.7	350	603	6	30	77.700	010101075
17.6	630	35.7	350	741	6	45	93.300	010100998
17.6	630	35.7	350	896	6	60	110.400	010100922
17.6	630	35.7	350	1295	6	90	143.300	010100854
17.6	710	40.2	350	636	6	30	102.000	010101078
17.6	710	40.2	350	792	6	45	125.000	010101001
17.6	710	40.2	350	965	6	60	149.000	010100925
17.6	710	40.2	350	1415	6	90	195.000	010100855
17.6	800	45.3	350	672	6	30	138.000	010101081
17.6	800	45.3	350	847	6	45	170.000	010101004
17.6	800	45.3	350	1043	6	60	204.000	010100928
17.6	800	45.3	350	1550	6	90	270.000	010100856

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PP Bends, seamless



Product details:

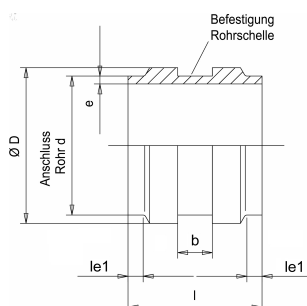
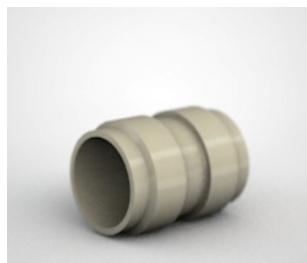
- grey - RAL 7032
- seamless, for butt welding and electrofusion welding ($r = 1.5 d$), fabricated from pipe SDR 11
- SDR 17.6 (wall thickness machined from SDR 11 to 17.6) on request
- Based on DIN 16962/3

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
11	90	8.2	150	210	10	30	0.700	010101158
11	90	8.2	150	227	10	45	0.780	010100403
11	90	8.2	150	243	10	60	0.910	010101109
11	90	8.2	150	310	10	90	0.996	010100416
11	110	10.0	150	234	10	30	1.520	010101160
11	110	10.0	150	255	10	45	1.500	010100405
11	110	10.0	150	270	10	60	1.720	010101111
11	110	10.0	150	315	10	90	1.800	010100418
11	125	11.4	150	225	10	30	1.960	010101162
11	125	11.4	150	253	10	45	2.100	010100406
11	125	11.4	150	283	10	60	2.360	010101113
11	125	11.4	150	363	10	90	2.620	010100419
11	140	12.7	150	231	10	30	2.100	010101164
11	140	12.7	150	262	10	45	2.870	010100407
11	140	12.7	150	296	10	60	2.660	010101115
11	140	12.7	150	385	10	90	3.200	010100420
11	160	14.6	150	239	10	30	3.250	010101166
11	160	14.6	150	274	10	45	3.260	010100408
11	160	14.6	150	313	10	60	3.680	010101117
11	160	14.6	150	415	10	90	4.520	010100422
11	180	16.4	150	247	10	30	3.710	010101168
11	180	16.4	150	287	10	45	4.880	010101139
11	180	16.4	150	330	10	60	5.440	010101119
11	180	16.4	150	445	10	90	6.400	010100424
11	200	18.2	150	255	10	30	6.870	010101170
11	200	18.2	150	299	10	45	7.360	010101141
11	200	18.2	150	348	10	60	6.390	010101121
11	200	18.2	150	475	10	90	7.680	010101092
11	225	20.5	150	266	10	30	7.300	010101172
11	225	20.5	150	315	10	45	8.500	010100409
11	225	20.5	150	370	10	60	8.550	010101123
11	225	20.5	150	513	10	90	11.000	010100425
11	250	22.7	250	385	10	30	12.400	010101174
11	250	22.7	250	440	10	45	14.200	010101144
11	250	22.7	250	500	10	60	15.500	010101125
11	250	22.7	250	650	10	90	16.900	010101095
11	280	25.4	250	400	10	30	18.500	010101176
11	280	25.4	250	460	10	45	23.000	010101146
11	280	25.4	250	530	10	60	20.280	010101127
11	280	25.4	250	695	10	90	24.500	010101097
11	315	28.6	250	460	10	30	20.910	010101178
11	315	28.6	250	535	10	45	28.000	010101148
11	315	28.6	250	612	10	60	27.060	010101129
11	315	28.6	250	803	10	90	36.000	010101099

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PP Fixing points for pipe clamps



Product details:

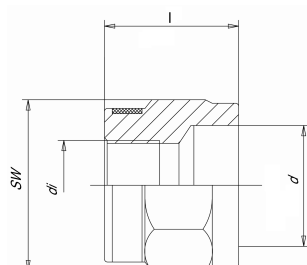
- grey - RAL 7032
- fabricated from pipes and turned parts, for butt welding
- Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	D (mm)	b (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.
11	50	4.6	63	42	15	190	0.260	015400024
11	63	5.8	75	42	15	190	0.340	015400025
11	75	6.8	90	42	15	190	0.670	015400026
11	90	8.2	110	42	15	190	0.760	015400027
11	110	10.0	125	52	30	240	1.100	015400028
11	125	11.4	140	52	30	240	1.360	015400029
11	140	12.7	160	52	30	240	1.820	015400030
11	160	14.6	180	52	30	240	2.260	015400031
11	180	16.4	200	52	30	240	2.770	015400032
11	200	18.2	225	52	30	240	3.530	015400033
11	225	20.5	250	52	30	240	4.320	015400034
11	250	22.7	280	62	30	240	5.340	015400035
11	280	25.4	315	62	30	240	6.760	015400036
11	315	28.6	355	62	30	240	8.600	015400037
11	355	32.2	400	62	40	300	13.200	015400038
11	400	36.3	450	72	40	300	16.400	015400039
11	450	40.9	500	72	40	300	20.100	015400040
11	500	45.4	560	72	40	300	31.100	015400041
17.6	50	2.9	63	42	15	190	0.180	015400006
17.6	63	3.6	75	42	15	190	0.280	015400007
17.6	75	4.3	90	42	15	190	0.400	015400008
17.6	90	5.1	110	42	15	190	0.620	015400009
17.6	110	6.3	125	52	30	240	0.770	015400010
17.6	125	7.1	140	52	30	240	1.020	015400011
17.6	140	8.0	160	52	30	240	1.380	015400012
17.6	160	9.1	180	52	30	240	1.700	015400013
17.6	180	10.2	200	52	30	240	2.050	015400014
17.6	200	11.4	225	52	30	240	2.560	015400015
17.6	225	12.8	250	52	30	240	3.210	015400016
17.6	250	14.2	280	62	30	240	3.840	015400017
17.6	280	15.9	315	62	30	240	3.880	015400018
17.6	315	17.9	355	62	30	240	4.880	015400019
17.6	355	20.1	400	62	40	300	9.870	015400020
17.6	400	22.7	450	72	40	300	12.200	015400021
17.6	450	25.5	500	72	40	300	14.700	015400022
17.6	500	28.4	560	72	40	300	18.700	015400023

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PP Thread sockets



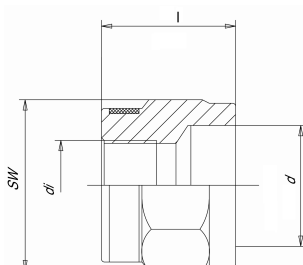
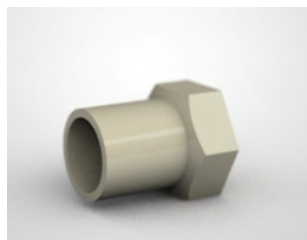
Product details:

- grey - RAL 7032
- injected, for butt welding
- with cylindric threaded female end Rp (acc. to DIN EN 10226/1), max. admissible operating overpressure for water at +20 °C 8 bar, double-layer PTFE tape recommended as sealant
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	di (")	PN (bar)	Length (mm)	kg/piece	Art. No.
11	32	2.9	1/2	8	36	0.020	014000016
11	32	2.9	3/4	8	36	0.025	014000019
11	40	3.7	1	8	45	0.047	014000021
11	40	3.7	3/4	8	45	0.040	014000042
11	50	4.6	1/2	8	47	0.038	014000017
11	50	4.6	1 1/4	8	49	0.075	014000023
11	50	4.6	1	8	47	0.055	014000039
11	75	6.8	2 1/2	8	58	0.160	014000040

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PP Adaptors with threaded female end Rp



Product image for illustration purposes only.

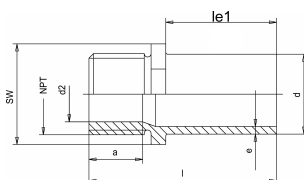
Product details:

- grey - RAL 7032
- injected, for socket welding
- with cylindric threaded female end Rp (acc. to DIN EN 10226/1), max. admissable operating overpressure for water at +20°C 8 bar, with reinforcement-ring made of galvanised steel, double-layer PTFE tape recommended as sealant, execution with NPT-thread: use of PP Adaptors NPT (see page 76) and PP Sockets (see page 84)
- DIN EN ISO 15494/C

d (mm)	RP (")	PN (bar)	SW (mm)	Length (mm)	kg/piece	Art. No.
20	1/2	8	32	35	0.018	014000026
25	3/4	8	36	39	0.025	014000027
32	1	8	46	45	0.034	014000028
40	1 1/4	8	55	53	0.064	014000037
50	1 1/2	8	65	54	0.100	014000036
63	2	8	80	62	0.145	014000041

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PP Adaptors with threaded male end



Product image for illustration purposes only.

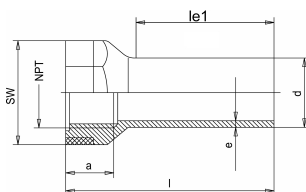
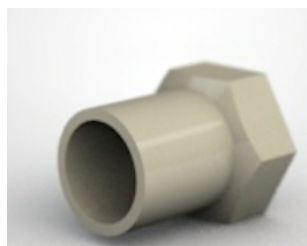
Product details:

- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- with conical threaded male end R (acc. to DIN EN 10226/1), with conical threaded male end NPT, max. admissible operating overpressure for water at +20 °C 8 bar, double-layer PTFE tape recommended as sealant
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	le1 (mm)	R (")	PN (bar)	a (mm)	SW (mm)	Gewinde	Length (mm)	kg/piece	Art. No.
11	20	1.9	38	1/2	8	14	24	Male thread R	58	0.009	018900001
11	20	1.9	41		8	14	24	Male thread NPT	58	0.008	018900007
11	25	2.3	41	3/4	8	14	27	Male thread R	61	0.012	018900002
11	25	2.3	41		8	14	27	Male thread NPT	61	0.015	018900008
11	32	2.9	44	1	8	18	36	Male thread R	69	0.021	018900003
11	32	2.9	44		8	18	36	Male thread NPT	69	0.021	018900009
11	40	3.7	49	1 1/4	8	19	46	Male thread R	75	0.037	018900004
11	40	3.7	49		8	19	46	Male thread NPT	75	0.041	018900010
11	50	4.6	55	1 1/2	8	20	55	Male thread R	82	0.058	018900005
11	50	4.6	55		8	20	55	Male thread NPT	82	0.059	018900011
11	63	5.8	63	2	8	21	55	Male thread R	91	0.095	018900006
11	63	5.8	63		8	21	55	Male thread NPT	91	0.096	018900012

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PP Adaptors with threaded female end



Product image for illustration purposes only.

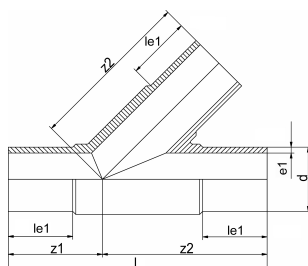
Product details:

- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- with cylindric threaded female end Rp (acc. to DIN EN 10226/1), with conical threaded female end NPT, with reinforcement-ring made of galvanised steel, max. admissible operating overpressure for water at +20 °C 8 bar, double-layer PTFE tape recommended as sealant
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	le1 (mm)	RP (")	PN (bar)	a (mm)	SW (mm)	Gewinde	Length (mm)	kg/piece	Art. No.
11	20	1.9	39	1/2	8	16	30	Female thread Rp	58	0.016	018800001
11	20	1.9	41		8	16	30		58	0.016	018800007
11	25	2.3	41	3/4	8	18	36	Female thread Rp	63	0.021	018800002
11	25	2.3	41		8	18	36		63	0.022	018800008
11	32	2.9	44	1	8	21	46	Female thread Rp	71	0.040	018800003
11	32	2.9	44		8	21	46		71	0.040	018800009
11	40	3.7	49	1 1/4	8	23	55	Female thread Rp	79	0.058	018800004
11	40	3.7	49		8	23	55		79	0.058	018800010
11	50	4.6	55	1 1/2	8	24	62	Female thread Rp	84	0.080	018800005
11	50	4.6	55		8	24	62		84	0.079	018800011
11	63	5.8	63	2	8	29	75	Female thread Rp	97	0.140	018800006
11	63	5.8	63		8	29	75		97	0.149	018800012

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PP Branches 45°, injected



Product details:

- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- DIN EN ISO 15494/C

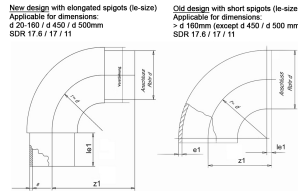
Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	z2 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	63	5.8	69	92	158	10	250	0.425	013700654
11	75	6.8	70	109	190	10	299	0.735	013700655
11	90	8.2	79	135	234	10	369	1.280	013700656
11	110	10.0	82	137	260	10	397	1.965	013700657
17.6	63	3.6	63	92	158	6	250	0.390	013700658
17.6	75	4.3	70	109	190	6	299	0.645	013700659
17.6	90	5.1	79	135	234	6	369	0.980	013700660
17.6	110	6.3	88	137	260	6	397	1.900	013700661
33	110	3.4	88	137	260	3.2	397	1.000	013700662

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Technical Data – Fittings - 25.11.2019

PP Bends 90°



Product details:

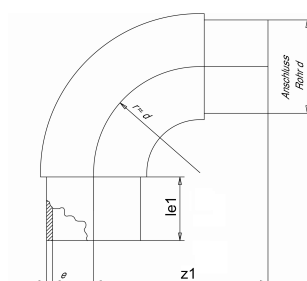
- grey - RAL 7032
- injected (r ~ d), for butt welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	Material	kg/piece	Art. No.
11	20	1.9	18	38	90	PP-H	0.007	010100426
11	25	2.3	18	43	90	PP-H	0.015	010100427
11	32	2.9	22	54	90	PP-H	0.034	010100428
11	40	3.7	22	62	90	PP-H	0.053	010100429
11	50	4.6	22	72	90	PP-H	0.093	010100431
11	63	5.8	22	86	90	PP-H	0.191	010100433
11	75	6.8	22	98	90	PP-H	0.295	010100435
11	90	8.2	25	115	90	PP-H	0.493	010100437
11	110	10.0	28	138	90	PP-H	0.895	010100440
11	125	11.4	32	157	90	PP-H	0.820	010100442
11	140	12.7	35	175	90	PP-H	1.725	010100444
11	160	14.6	40	200	90	PP-H	2.510	010100447
11	180	16.4	45	225	90	PP-H	2.405	010100449
11	200	18.2	19	206	90	PP-H	3.440	010100452
11	225	20.5	21	236	90	PP-H	4.844	010100454
11	250	22.7	20	256	90	PP-R	6.250	010100386
11	280	25.4	24	290	90	PP-R	8.840	010100389
11	315	28.6	22	324	90	PP-R	12.620	010100392
11	355	32.2	38	385	90	PP-R	19.365	010100395
11	400	36.3	41	438	90	PP-R	28.650	010100398
11	450	40.9	60	510	90	PP-R	52.551	010026776
11	500	45.4	60	560	90	PP-R	67.410	010026778
17.6	50	2.9	22	72	90	PP-H	0.074	010100430
17.6	63	3.6	22	86	90	PP-H	0.142	010100432
17.6	75	4.3	22	98	90	PP-H	0.224	010100434
17.6	90	5.1	25	115	90	PP-H	0.205	010100436
17.6	110	6.3	28	138	90	PP-H	0.681	010100439
17.6	125	7.1	32	157	90	PP-H	0.960	010100441
17.6	140	8.0	35	175	90	PP-H	1.350	010100443
17.6	160	9.1	40	200	90	PP-H	1.865	010100446
17.6	180	10.2	15	184	90	PP-H	1.607	010100448
17.6	200	11.4	19	206	90	PP-H	2.270	010100451
17.6	225	12.8	21	237	90	PP-H	3.140	010100453
17.6	250	14.2	20	256	90	PP-R	4.235	010100385
17.6	280	15.9	24	290	90	PP-R	5.660	010100388
17.6	315	17.9	22	324	90	PP-R	8.635	010100391
17.6	355	20.1	38	385	90	PP-R	12.760	010100394
17.6	400	22.7	41	438	90	PP-R	18.500	010100397
17.6	450	25.5	60	510	90	PP-R	40.800	010026775
17.6	500	28.3	60	560	90	PP-R	52.150	010026777
33	110	3.4	28	138	90	PP-H	0.214	010100438
33	125	3.9	8	130	90	PP-R	0.352	010100367
33	140	4.3	8	150	90	PP-R	0.460	010100370
33	160	4.9	40	200	90	PP-H	0.695	010100445
33	180	5.5	8	184	90	PP-R	0.960	010100375
33	200	6.2	19	206	90	PP-H	1.250	010100450
33	225	6.9	10	231	90	PP-R	1.900	010100381
33	250	7.7	20	256	90	PP-R	2.425	010100384
33	280	8.6	10	286	90	PP-R	3.740	010100387
33	315	9.7	22	324	90	PP-R	4.895	010100390
33	355	10.9	15	380	90	PP-R	6.590	010100393
33	400	12.3	25	435	90	PP-R	8.280	010100396

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PP Bends 90°, injected



Product details:

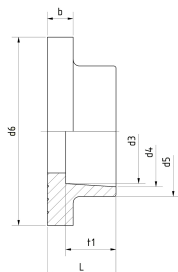
- grey - RAL 7032
- injected (r=d), with elongated spigot, for butt welding, IR- and electrofusion welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	Material	kg/piece	Art. No.
11	20	1.9	42	62	90	PP-H	0.014	019100134
11	25	2.3	42	68	90	PP-H	0.020	019100135
11	32	2.9	48	79	90	PP-H	0.042	019100136
11	40	3.7	53	94	90	PP-H	0.077	019100137
11	50	4.6	59	108	90	PP-H	0.140	019100139
11	63	5.8	69	131	90	PP-H	0.280	019100034
11	75	6.8	76	153	90	PP-H	0.440	019100036
11	90	8.2	84	177	90	PP-H	0.720	019100038
11	110	10.0	86	197	90	PP-H	1.250	019100040
11	125	11.4	92	216	90	PP-H	1.765	019100061
11	140	12.7	96	237	90	PP-H	2.445	019100062
11	160	14.6	103	268	90	PP-H	3.260	019100063
11	180	16.4	115	294	90	PP-H	4.860	019100064
11	200	18.2	123	324	90	PP-H	6.450	019100065
11	225	20.5	131	353	90	PP-H	8.985	019100042
11	250	22.7	134	384	90	PP-R	12.515	019100098
11	280	25.4	155	441	90	PP-R	17.590	019100100
11	315	28.6	155	474	90	PP-R	23.530	019100102
11	450	40.9	195	645	90	PP-R	65.760	010026780
11	500	45.4	212	710	90	PP-R	86.502	010026782
17.6	63	3.6	67	130	90	PP-H	0.207	019100033
17.6	90	5.1	83	173	90	PP-H	0.490	019100037
17.6	110	6.3	85	193	90	PP-H	0.885	019100039
17.6	160	9.1	103	266	90	PP-H	2.405	019100069
17.6	315	17.9	155	473	90	PP-R	18.430	019100101
17.6	450	25.5	195	645	90	PP-R	48.950	010026779
17.6	500	28.3	212	710	90	PP-R	65.060	010026781

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PP Stub flanges for socket welding for loose flange ANSI



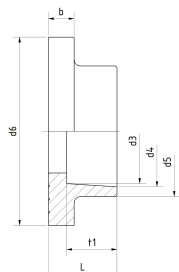
Product details:

- grey - RAL 7032
- injected, for socket welding, serrated flange face
- DIN EN ISO 15494/C

d (mm)	DN (mm)	d5 (mm)	d6 (mm)	d in Zoll	b (mm)	t (mm)	PN (bar)	Material	kg/piece	Art. No.
20	15	26	44	1	10	14.5	12.5	PP-H	0.014	015600102
25	20	32	54	3	10	16	12.5	PP-H	0.023	015600103
32	25	39	63	1	10	18	12.5	PP-H	0.029	015600060
40	32	48	73	1	11	20.5	12.5	PP-H	0.042	015600101
50	40	60	82.5	2	12	23.5	12.5	PP-H	0.059	015600104
63	50	72	101	2	14	27.5	12.5	PP-H	0.092	015600105
75	65	85	106	2	10	31	12.5	PP-R	0.080	015600052
90	80	106	125	3	11	35.5	12.5	PP-R	0.152	015600053
110	100	124	150	4	12	41.5	12.5	PP-R	0.215	015600023

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PP Stub flanges for socket welding for loose flange ISO/DIN



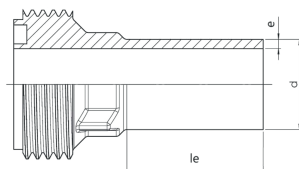
Product details:

- grey - RAL 7032
- injected, for socket welding, serrated flange face
- DIN EN ISO 15494/C

d (mm)	d5 (mm)	d6 (mm)	b (mm)	t (mm)	PN (bar)	Material	kg/piece	Art. No.
20	27	45	10	14.5	12.5	PP-H	0.016	015600043
25	33	58	10	16	12.5	PP-H	0.028	015600044
32	41	68	10	18.1	12.5	PP-H	0.036	015600024
40	50	78	11	20.5	12.5	PP-H	0.050	015600045
50	61	88	12	23.5	12.5	PP-H	0.064	015600046
63	76	102	14	27.4	12.5	PP-H	0.098	015600025
75	90	106	10	31	12.5	PP-R	0.091	015600017
90	109	125	11	35.5	12.5	PP-R	0.162	015600018
110	131	150	12	41.5	12.5	PP-R	0.255	015600019

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PP-H Union bush, injected



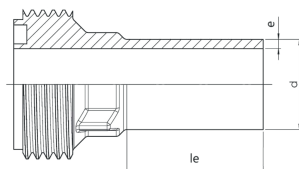
Product details:

- grey - RAL 7032
- injected, for butt-welding, union bush with conical thread R (acc. to DIN EN 10226/1)
- Individual part of union, see page 45. Cannot be combined with products of other manufacturers.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	R (")	PN (bar)	kg/piece	Art. No.
11	20	1.9	1/2	12	0.012	023300013
11	25	2.3	3/4	12	0.024	023300014
11	32	2.9	1	12	0.033	023300015
11	40	3.7	1 1/4	12	0.055	023300016
11	50	4.6	1 1/2	12	0.069	023300017
11	63	5.8	2	12	0.115	023300018

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PP-H Union bush, injected, for socket welding



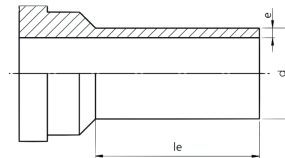
Product details:

- grey - RAL 7032
- injected, for butt-welding, union bush with conical thread R (acc. to DIN EN 10226/1)
- Individual part of union, see page 87. Cannot be combined with products of other manufacturers.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	R (")	PN (bar)	kg/piece	Art. No.
11	20	1.9	1	12	0.011	023300025
11	25	2.3	1 1/4	12	0.016	023300026
11	32	2.9	1 1/2	12	0.020	023300027
11	40	3.7	2	12	0.036	023300028
11	50	4.6	2 1/4	12	0.043	023300029
11	63	5.8	2 3/4	12	0.082	023300030

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PP-H Union insert, injected



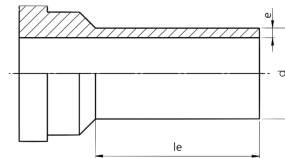
Product details:

- grey - RAL 7032
- injected, for butt-welding
- Individual part of union, see page 45. Cannot be combined with products of other manufacturers.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	PN (bar)	kg/piece	Art. No.
11	20	1.9	12	0.011	023400013
11	25	2.3	12	0.010	023400014
11	32	2.9	12	0.023	023400015
11	40	3.7	12	0.042	023400016
11	50	4.6	12	0.055	023400017
11	63	5.8	12	0.090	023400018

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PP-H Union insert, injected, for socket welding



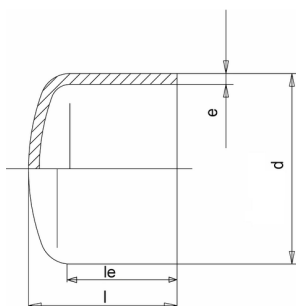
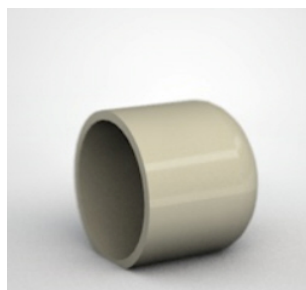
Product details:

- grey - RAL 7032
- injected, for butt-welding
- Individual part of union, see page 87. Cannot be combined with products of other manufacturers.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	PN (bar)	kg/piece	Art. No.
11	20	1.9	12	0.006	023400025
11	25	2.3	12	0.011	023400026
11	32	2.9	12	0.014	023400027
11	40	3.7	12	0.024	023400028
11	50	4.6	12	0.025	023400029
11	63	5.8	12	0.045	023400030

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PP End caps



Product details:

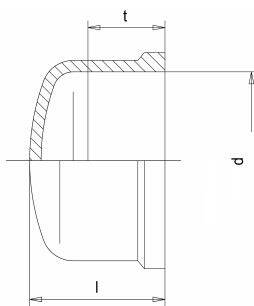
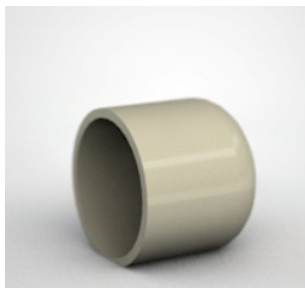
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- Executions > d 225 mm on page 41
- Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	20	1.9	42	10	49	0.005	019600135
11	25	2.3	42	10	52	0.006	019600113
11	32	2.9	47	10	57	0.016	013900093
11	40	3.7	51	10	64	0.023	019600034
11	50	4.6	59	10	72	0.048	019600030
11	63	5.8	67	10	86	0.087	019600037
11	75	6.8	73	10	94	0.138	019600031
11	90	8.2	83	10	112	0.222	019600039
11	110	10.0	90	10	124	0.375	019600032
11	125	11.4	94	10	130	0.520	019600041
11	140	12.7	99	10	142	0.695	019600043
11	160	14.6	109	10	162	1.040	019600051
11	180	16.4	113	10	170	1.375	019600045
11	200	18.2	117	10	180	1.860	019600026
11	225	20.5	129	10	205	2.625	019600048
17.6	63	3.6	66	6	83	0.061	019600036
17.6	75	4.3	73	6	95	0.095	013900094
17.6	90	5.1	83	6	110	0.160	019600038
17.6	110	6.3	88	6	121	0.260	019600040
17.6	125	7.1	92	6	127	0.360	019600025
17.6	140	8.0	97	6	136	0.485	019600042
17.6	160	9.1	109	6	161	0.735	019600050
17.6	180	10.2	113	6	167	0.990	019600044
17.6	200	11.4	117	6	179	1.310	019600046
17.6	225	12.8	203	6	203	1.790	019600047

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PP End caps for socket welding



Product details:

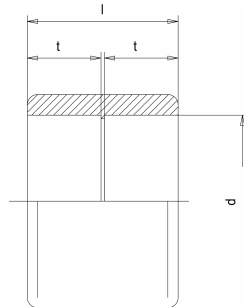
- grey - RAL 7032
- injected, for socket welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

d (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20	14.5	12.5	22.5	0.010	020600006
25	16	12.5	27	0.015	020600007
32	18	12.5	31	0.024	020600008
40	20.5	12.5	36	0.037	020600026
50	23.5	12.5	43	0.061	020600009
63	27.5	12.5	52	0.086	020600010
75	31	12.5	59	0.136	020600027
90	35.5	12.5	69	0.235	020600011
110	41.5	12.5	82	0.405	020600012

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PP Sockets



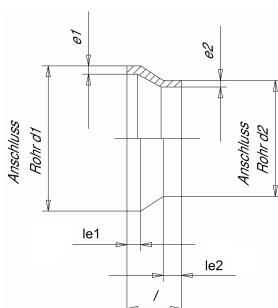
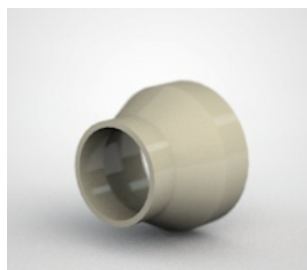
Product details:

- grey - RAL 7032
- injected, for socket welding
- DIN EN ISO 15494/C

d (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20	14.5	12.5	29	0.013	014200018
25	16	12.5	32	0.020	014200019
32	18	12.5	35	0.027	014200020
40	20.5	12.5	39	0.045	014200021
50	23.5	12.5	44	0.076	014200022
63	27.5	12.5	50	0.126	014200023
75	31	12.5	66	0.166	014200024
90	35.5	12.5	76	0.287	014200025
110	41.5	12.5	88	0.410	014200026

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PP Reducers concentric, injected



Product details:

- grey - RAL 7032
- injected, for butt welding
- DIN EN ISO 15494/C

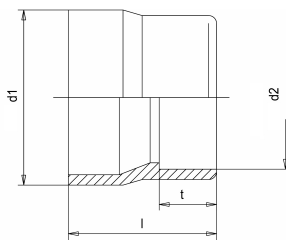
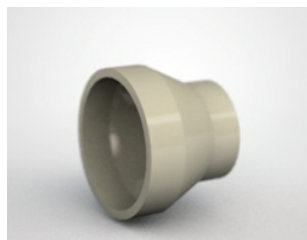
Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	Material	kg/piece	Art. No.
11	25	20	2.3	1.9	10	5	25	PP-H	0.004	014900997
11	32	20	2.9	1.9	24	24	70	PP-R	0.013	014900998
11	32	25	2.9	2.3	25	25	68	PP-H	0.015	014900368
11	40	20	3.7	1.9			48	PP-H	0.015	014900999
11	40	25	3.7	2.3	22	22	62	PP-H	0.021	014901000
11	40	32	3.7	2.9	25	25	62	PP-H	0.022	014901001
11	50	25	4.6	2.3	25	25	85	PP-H	0.037	014900369
11	50	32	4.6	2.9	27	27	85	PP-H	0.043	014900370
11	50	40	4.6	3.7	30	26	83	PP-H	0.047	014900371
11	63	32	5.8	2.9	27	25	89	PP-H	0.064	014900372
11	63	40	5.8	3.7	28	27	89	PP-H	0.070	014900373
11	63	50	5.8	4.6	25	25	87	PP-H	0.079	014900374
11	75	32	6.8	2.9	30	20	70	PP-R	0.060	014900279
11	75	40	6.8	3.7	30	23	70	PP-R	0.070	014900280
11	75	50	6.8	4.6	30	28	70	PP-H	0.080	014900281
11	75	63	6.8	5.8	25	26	89	PP-H	0.112	014901005
11	90	50	8.2	4.6	28	25	93	PP-H	0.145	014900375
11	90	63	8.2	5.8	28	28	92	PP-H	0.162	014900376
11	90	75	8.2	6.8	31	26	90	PP-H	0.174	014900377
11	110	50	10.0	4.6	28	20	96	PP-H	0.205	014900378
11	110	63	10.0	5.8	41	35	110	PP-H	0.238	014900379
11	110	75	10.0	6.8	40	28	96	PP-H	0.263	014900380
11	110	90	10.0	8.2	41	40	105	PP-H	0.280	014900381
11	125	75	11.4	6.8	32	19	98	PP-H	0.299	014900383
11	125	90	11.4	8.2	40	40	110	PP-H	0.345	014900384
11	125	110	11.4	10	40	40	100	PP-H	0.375	014900385
11	140	75	12.7	6.8	52	41	135	PP-H	0.515	014901006
11	140	90	12.7	8.2	50	40	130	PP-H	0.530	014901007
11	140	110	12.7	10	50	40	120	PP-H	0.540	014901008
11	140	125	12.7	11.4	53	41	120	PP-H	0.600	014901009
11	160	90	14.6	8.2	48	34	141	PP-H	0.695	014900386
11	160	110	14.6	10	40	34	129	PP-H	0.685	014900387
11	160	125	14.6	11.4	40	32	122	PP-H	0.725	014900388
11	160	140	14.6	12.7	49	38	125	PP-H	0.725	014900389
11	180	90	16.4	8.2	50	40	145	PP-H	0.800	014901010
11	180	110	16.4	10	50	40	150	PP-H	1.010	014901011
11	180	125	16.4	11.4	52	40	145	PP-H	0.985	014901012
11	180	140	16.4	12.7	51	47	135	PP-H	0.995	014901013
11	180	160	16.4	14.6	55	52	135	PP-H	1.020	014900306
11	200	140	18.2	12.7	63	43	148	PP-H	1.240	014901015
11	200	160	18.2	14.6	63	50	145	PP-H	1.290	014900390
11	200	180	18.2	16.4	50	45	145	PP-H	1.300	014901016
11	225	140	20.5	12.7	61	48	157	PP-H	1.575	014900391
11	225	160	20.5	14.6	65	54	161	PP-H	1.655	014900392
11	225	180	20.5	16.4	60	58	163	PP-H	1.770	014900393
11	225	200	20.5	18.2	63	53	145	PP-R	1.920	014900313
11	250	160	22.7	14.6	63	53	170	PP-R	2.155	014900314
11	250	180	22.7	16.4	64	58	175	PP-R	2.325	014900315
11	250	200	22.7	18.2	64	64	180	PP-R	2.500	014900316
11	250	225	22.7	20.5	75	83	180	PP-R	2.750	014900317
11	280	200	25.4	18.2	75	54	214	PP-R	3.450	014900318
11	280	225	25.4	20.5	72	57	203	PP-R	3.425	014900319
11	280	250	25.4	22.7	72	62	202	PP-R	1.980	014900320
11	315	200	28.6	18.2	80	50	230	PP-R	4.520	014900321

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	Material	kg/piece	Art. No.
11	315	225	28.6	20.5	84	60	237	PP-R	5.110	014900322
11	315	250	28.6	22.7	86	63	231	PP-R	5.105	014900323
11	315	280	28.6	25.4	80	70	222	PP-R	5.195	014900324
17.6	50	32	2.9	2.9	20	20	70	PP-H	0.018	014901022
17.6	50	40	2.9	2.3	11	10	50	PP-H	0.031	014900349
17.6	63	50	3.6	2.9	25	25	87	PP-H	0.055	014901023
17.6	75	63	4.3	3.6	26	28	91	PP-H	0.081	014901027
17.6	90	50	5.1	2.9	30	28	93	PP-R	0.080	014900223
17.6	90	63	5.1	3.6	28	28	92	PP-H	0.110	014900353
17.6	90	75	5.1	4.3	31	26	91	PP-H	0.120	014900354
17.6	110	50	6.3	2.9	28	19	90	PP-H	0.139	014900355
17.6	110	63	6.3	3.6	40	36	105	PP-H	0.170	014900356
17.6	110	75	6.3	4.3	40	28	96	PP-H	0.170	014900357
17.6	110	90	6.3	5.1	42	42	100	PP-H	0.192	014900358
17.6	125	63	7.1	3.6	35	20	97	PP-R	0.195	014900230
17.6	125	75	7.1	4.3	32	19	98	PP-R	0.225	014900231
17.6	125	90	7.1	5.1	41	41	114	PP-H	0.271	014901030
17.6	125	110	7.1	6.3	42	42	103	PP-H	0.250	014900359
17.6	140	75	8.0	4.3	53	40	135	PP-R	0.280	014900234
17.6	140	90	8.0	5.1	53	42	130	PP-R	0.300	014900235
17.6	140	110	8.0	6.3	35	28	120	PP-R	0.320	014900236
17.6	160	90	9.1	5.1	48	34	141	PP-H	0.495	014900360
17.6	160	110	9.1	6.3	40	34	129	PP-H	0.500	014900361
17.6	160	125	9.1	7.1	52	42	122	PP-R	0.505	014900240
17.6	160	140	9.1	8	51	47	120	PP-R	0.560	014900241
17.6	180	90	10.2	5.1	53	42	145	PP-R	0.600	014900242
17.6	180	110	10.2	6.3	55	42	150	PP-R	0.620	014900243
17.6	180	125	10.2	7.1	52	42	135	PP-R	0.620	014900244
17.6	180	140	10.2	8	52	47	139	PP-R	0.640	014900245
17.6	180	160	10.2	9.1	55	52	135	PP-R	0.700	014900246
17.6	200	140	11.4	8	62	42	146	PP-R	0.827	014900247
17.6	200	160	11.4	9.1	62	52	145	PP-H	0.895	014900364
17.6	200	180	11.4	10.2	50	45	145	PP-R	0.920	014900248
17.6	225	140	12.7	8	52	49	150	PP-R	1.060	014900249
17.6	225	160	12.8	9.1	65	53	162	PP-H	1.150	014900366
17.6	225	180	12.8	10.2	64	59	160	PP-R	1.160	014900251
17.6	225	200	12.8	11.4	63	53	160	PP-R	1.320	014900252
17.6	250	160	14.2	9.1	63	53	170	PP-R	1.530	014900253
17.6	250	180	14.2	10.2	64	58	175	PP-R	1.615	014900254
17.6	250	200	14.2	11.4	64	64	180	PP-R	1.760	014900255
17.6	250	225	14.2	12.8	60	55	185	PP-R	1.890	014900256
17.6	280	200	15.9	11.4	65	65	185	PP-R	2.340	014900257
17.6	280	225	15.9	12.8	70	55	200	PP-R	2.370	014900258
17.6	280	250	15.9	14.2	85	92	200	PP-R	2.540	014900259
17.6	315	200	17.9	11.4	95	85	230	PP-R	3.220	014900260
17.6	315	225	17.9	12.8	84	60	238	PP-R	3.320	014900261
17.6	315	250	17.9	14.2	84	64	233	PP-R	3.450	014900262
17.6	315	280	17.9	15.9	80	70	222	PP-R	3.510	014900263

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PP Reducers concentric



Product details:

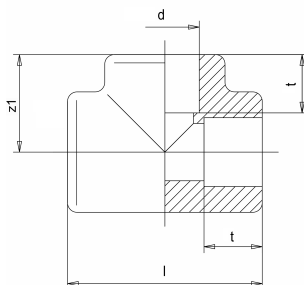
- grey - RAL 7032
- injected, for socket welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

d1 (mm)	d2 (mm)	L (mm)	t (mm)	PN (bar)	kg/piece	Art. No.
25	20	31	14.5	12.5	0.010	014900394
32	20	43	14	12.5	0.017	014900991
32	25	37	16	12.5	0.017	014900395
40	20	48	14	12.5	0.022	014900992
40	25	44	16	12.5	0.024	014900396
40	32	44	18	12.5	0.030	014900397
50	20	54	14	12.5	0.036	014900993
50	32	52.5	18	12.5	0.035	014900398
50	40	52.5	20.5	12.5	0.051	014900399
63	25	64	16	12.5	0.060	014900995
63	32	63.5	18	12.5	0.057	014900400
63	40	63.5	20.5	12.5	0.070	014900996
63	50	63.5	23.5	12.5	0.086	014900401
75	63	61.6	27	12.5	0.106	014900402
90	63	83.5	27	12.5	0.171	014900403
90	75	83.5	31	12.5	0.150	014900404
110	90	100.5	35.5	12.5	0.260	014900405

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PP Tees, injected, for socket welding



Product details:

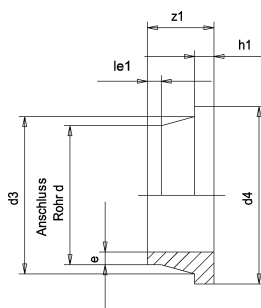
- grey - RAL 7032
- injected, for socket welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

d (mm)	z1 (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20	25.5	14.5	12.5	51	0.029	020500015
25	29.5	16	12.5	59	0.041	020500016
32	35	18	12.5	70	0.061	020500017
40	41.5	20.5	12.5	83	0.108	020500018
50	49.5	23.5	12.5	99	0.160	020500019
63	60	27.5	12.5	120	0.295	020500020
75	69.5	31	12.5	139	0.355	020500021
90	81.5	35.5	12.5	163	0.630	020500022
110	97.5	41.5	12.5	195	1.030	020500023

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PP Stub flanges for loose flange ANSI



Product image for illustration purposes only.

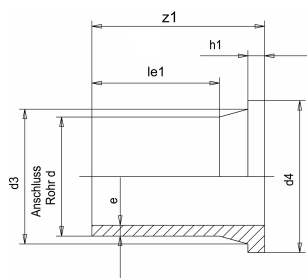
Product details:

- grey - RAL 7032
- injected, for butt welding
- for application of ANSI loose flanges from d=110 mm stub flanges acc. to ISO/DIN can be used
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.
11	20	1.9	26	44	20	50	7	10	PP-H	0.015	010600866
11	25	2.3	32	54	20	50	9	10	PP-H	0.026	010600867
11	32	2.9	39	63	27	50	10	10	PP-H	0.038	010600868
11	40	3.7	49	73	20	50	11	10	PP-H	0.057	010600869
11	50	4.6	60	82	23	50	12	10	PP-H	0.075	010600973
11	63	5.8	72	100	23	59	14	10	PP-H	0.132	010600871
11	75	6.8	87	120	20	56	16	10	PP-H	0.197	010013624
11	90	8.2	102	133	40	80	18	10	PP-H	0.295	010013625
17.6	50	2.9	60	82	23	50	12	6	PP-H	0.076	010600872
17.6	63	3.6	72	100	23	59	14	6	PP-H	0.110	010600873
17.6	75	4.3	87	120	20	56	16	6	PP-H	0.183	010013626
17.6	90	5.1	102	133	40	80	17	6	PP-H	0.252	010013627

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PP Stub flanges for loose flange ANSI



Product details:

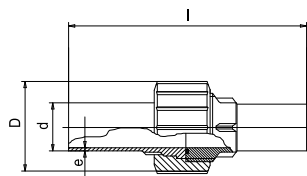
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- for application of ANSI loose flanges from d=110 mm stub flanges acc. to ISO/DIN can be used
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.
11	32	2.9	63	62	85	10	10	PP-H	0.059	010600687
11	40	3.7	73	49	85	11	10	PP-H	0.075	010600688
11	50	4.6	83	62	90	12	10	PP-H	0.130	010600689
11	63	5.8	101	70	106	14	10	PP-H	0.195	010600691
11	75	6.8	120	94	130	16	10	PP-H	0.310	010600693
11	90	8.2	133	100	140	17	10	PP-H	0.450	010600695

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PP Unions, with EPDM seal



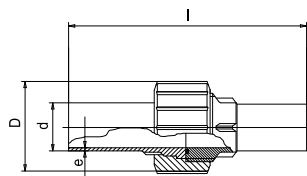
Product details:

- grey - RAL 7032
- injected, for butt-welding, union and union bush with conical thread R (acc. to DIN EN 10226/1)
- max. admissible operating overpressure for water at + 20 °C up to 12 bar
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	R (")	PN (bar)	Length (mm)	kg/piece	Art. No.
11	20	1.9	1/2	12	105	0.055	019500007
11	25	2.3	3/4	12	110	0.082	019500008
11	32	2.9	1	12	117	0.114	019500009
11	40	3.7	1 1/4	12	123	0.190	019500010
11	50	4.6	1 1/2	12	129	0.260	019500011
11	63	5.8	2	12	135	0.430	019500012

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PP Unions, with FPM seal



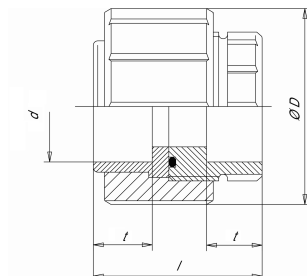
Product details:

- grey - RAL 7032
- injected, for butt-welding, union and union bush with conical thread R (acc. to DIN EN 10226/1)
- max. admissible operating overpressure for water at + 20 °C up to 12 bar
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	R (")	PN (bar)	Length (mm)	kg/piece	Art. No.
11	20	1.9	1/2	12	105	0.056	019500013
11	25	2.3	3/4	12	110	0.085	019500014
11	32	2.9	1	12	117	0.118	019500015
11	40	3.7	1 1/4	12	123	0.190	019500016
11	50	4.6	1 1/2	12	129	0.260	019500017
11	63	5.8	2	12	135	0.460	019500018

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PP Unions with conical thread R



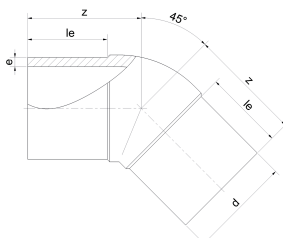
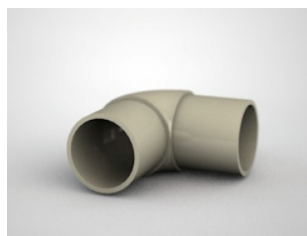
Product details:

- grey - RAL 7032
- injected, for socket welding, union and union bush with conical thread R (acc. to DIN EN 10226/1)
- FPM seal on request, max. admissible operating overpressure for water at + 20 °C up to 12 bar
- DIN EN ISO 15494/C

d (mm)	R (")	t (mm)	PN (bar)	kg/piece	Art. No.
20	1	14.5	12	0.050	010700066
25	1 1/4	16	12	0.070	010700067
32	1 1/2	18	12	0.090	010700068
40	2	20.5	12	0.150	010700069
50	2 1/4	23.5	12	0.200	010700070
63	2 3/4	27	12	0.350	010700071

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PP Elbows 45°, injected



Product details:

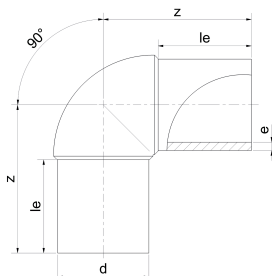
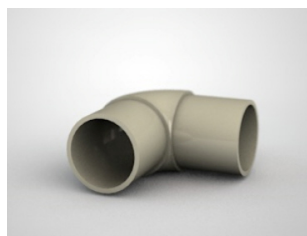
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- SDR 17.6 on request
- Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	Material	kg/piece	Art. No.
11	20	1.9	52	72	10	45	PP-H	0.019	019200083
11	25	2.3	57	76	10	45	PP-H	0.030	019200084
11	32	2.9	71	90	10	45	PP-H	0.056	019200085
11	40	3.7	73	95	10	45	PP-H	0.088	019200086
11	50	4.6	62	76	10	45	PP-H	0.108	019200087
11	63	5.8	66	88	10	45	PP-H	0.203	019200089
11	75	6.8	71	90	10	45	PP-H	0.290	019200090
11	90	8.2	83	105	10	45	PP-H	0.460	019200092
11	110	10.0	93	121	10	45	PP-H	0.785	019200094
11	125	11.4	98	137	10	45	PP-H	1.130	019200095
11	140	12.7	122	168	10	45	PP-H	1.685	019200385
11	160	14.6	143	190	10	45	PP-H	2.530	019200097
11	180	16.4	141	196	10	45	PP-H	3.340	019200149
11	200	18.2	153	207	10	45	PP-H	4.540	019200151
11	225	20.5	153	210	10	45	PP-H	5.750	019200098
11	250	22.7	134	220	10	45	PP-R	7.875	019200296
11	280	25.4	143	227	10	45	PP-R	10.060	019200298
11	315	28.6	155	250	10	45	PP-R	13.675	019200300
17.6	50	2.9	62	76	6	45	PP-H	0.082	019200145
17.6	63	3.6	66	88	6	45	PP-H	0.142	019200088
17.6	75	4.3	71	90	6	45	PP-H	0.196	019200146
17.6	90	5.1	82	105	6	45	PP-H	0.325	019200091
17.6	110	6.3	93	121	6	45	PP-H	0.560	019200093
17.6	125	7.1	98	137	6	45	PP-H	0.790	019200147
17.6	140	8.0	120	168	6	45	PP-H	1.245	019200382
17.6	160	9.1	143	190	6	45	PP-H	1.850	019200096
17.6	180	10.2	141	196	6	45	PP-H	2.335	019200148
17.6	200	11.4	152	207	6	45	PP-H	3.130	019200150
17.6	225	12.8	153	210	6	45	PP-H	3.970	019200152
17.6	250	14.2	133	220	6	45	PP-R	5.780	019200295
17.6	280	15.9	142	227	6	45	PP-R	7.285	019200297
17.6	315	17.9	155	250	6	45	PP-R	9.850	019200299

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PP Elbows 90°, injected



Product details:

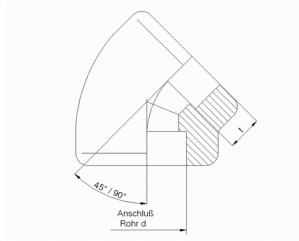
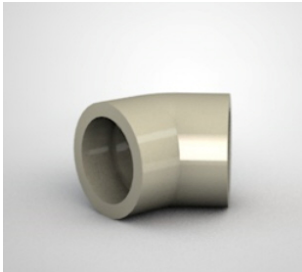
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- SDR 17.6 on request
- Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	Material	kg/piece	Art. No.
11	20	1.9	53	78	10	90	PP-H	0.021	019200074
11	25	2.3	57	84	10	90	PP-H	0.034	019200075
11	32	2.9	71	95	10	90	PP-H	0.064	019200076
11	40	3.7	74	109	10	90	PP-H	0.099	019200077
11	50	4.6	82	108	10	90	PP-H	0.150	019200078
11	63	5.8	82	120	10	90	PP-H	0.257	019200079
11	75	6.8	91	136	10	90	PP-H	0.405	019200080
11	90	8.2	92	146	10	90	PP-H	0.640	019200081
11	110	10.0	101	165	10	90	PP-H	1.040	019200082
11	125	11.4	102	175	10	90	PP-H	1.465	019200136
11	140	12.7	120	200	10	90	PP-H	2.190	019200379
11	160	14.6	143	238	10	90	PP-H	3.200	019200138
11	180	16.4	142	247	10	90	PP-H	4.220	019200140
11	200	18.2	153	262	10	90	PP-H	5.645	019200142
11	225	20.5	154	281	10	90	PP-H	7.610	019200144
11	250	22.7	133	292	10	90	PP-R	10.355	019200302
11	280	25.4	144	320	10	90	PP-R	13.940	019200304
11	315	28.6	154	370	10	90	PP-R	19.865	019200306

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PP Elbows 45°, injected, for socket welding



Product details:

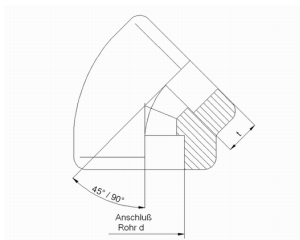
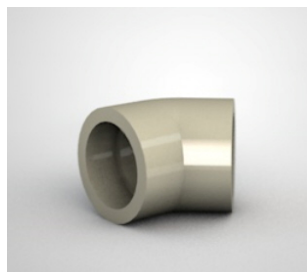
- grey - RAL 7032
- injected, for socket welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

d (mm)	t (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
20	14.5	12.5	45	0.018	010200092
25	16	12.5	45	0.025	010200093
32	18	12.5	45	0.036	010200094
40	20.5	12.5	45	0.071	010200095
50	23.5	12.5	45	0.103	010200096
63	27.5	12.5	45	0.148	010200097
75	31	12.5	45	0.200	010200098
90	35.5	12.5	45	0.335	010200099
110	41.5	12.5	45	0.610	010200100

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PP Elbows 90°, injected, for socket welding



Product details:

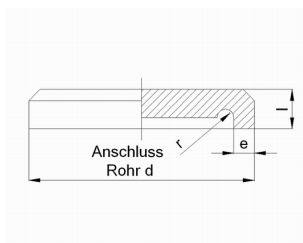
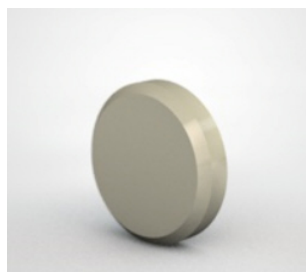
- grey - RAL 7032
- injected, for socket welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

d (mm)	t (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
20	14.5	12.5	90	0.020	010200083
25	16	12.5	90	0.028	010200084
32	18	12.5	90	0.046	010200085
40	20.5	12.5	90	0.082	010200086
50	23.5	12.5	90	0.126	010200087
63	27.5	12.5	90	0.178	010200088
75	31	12.5	90	0.270	010200089
90	35.5	12.5	90	0.480	010200090
110	41.5	12.5	90	0.855	010200091

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PP End caps, machined



Product details:

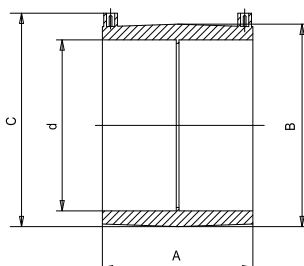
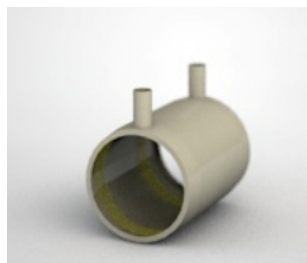
- grey - RAL 7032
- machined, for butt welding
- SDR 33 on request, executions < d 250 mm see page 75
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	250	22.7	10	50	1.840	013900140
11	280	25.4	10	55	2.560	013900142
11	315	28.6	10	60	3.600	013900144
11	355	32.2	10	65	5.040	013900146
11	400	36.3	10	70	7.240	013900148
11	450	40.9	10	80	10.200	013900150
11	500	45.4	10	85	14.000	013900152
17.6	250	14.2	6	45	1.520	013900139
17.6	280	15.9	6	45	2.070	013900141
17.6	315	17.9	6	50	2.940	013900143
17.6	355	20.1	6	55	4.170	013900145
17.6	400	22.7	6	60	5.960	013900147
17.6	450	25.5	6	70	8.520	013900149
17.6	500	28.4	6	75	11.600	013900151
17.6	560	31.7	6	80	16.000	013900153
17.6	630	35.7	6	90	22.900	013900154
17.6	710	40.2	6	120	33.500	013900155
17.6	800	45.3	6	130	47.500	013900156

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PP Electrofusion sockets - pressure PN 12,5



Product details:

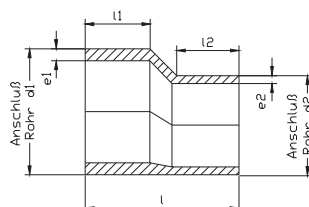
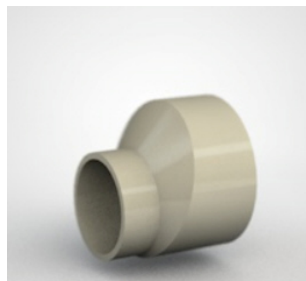
- grey
- injected, suitable up to 63 mm for pipes SDR 11; > 75 mm suitable for pipes SDR 17 up to SDR 11
- connection contact: 4.0 mm

Product image for illustration purposes only.

d (mm)	kg/piece	Art. No.
20	0.035	014300072
25	0.055	014300073
32	0.080	014300074
40	0.095	014300075
50	0.133	014300076
63	0.240	014300077
75	0.330	014300078
90	0.480	014300066
110	0.800	014300079
125	1.120	014300121
140	1.340	014300082
160	1.740	014300080
180	2.400	014300122
200	3.050	014300123
225	3.800	014300124
250	7.100	010019057
280	8.600	010019058

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PP Reducers eccentric



Product details:

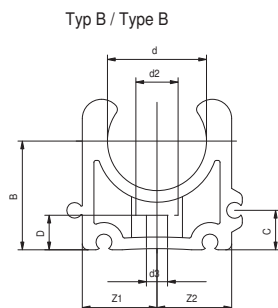
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- other dimensions on request
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	25	20	2.3	1.9	51	38	103	0.020	015000289
11	32	25	3.0	2.3	56	40	114	0.020	015000290
11	40	25	3.7	2.3	60	40	126	0.046	015000291
11	40	32	3.7	3	59	44	125	0.050	015000292
11	50	32	4.6	3	71	45	156	0.080	015000293
11	50	40	4.6	3.7	71	49	157	0.090	015000294
11	63	32	5.8	3	75	45	177	0.140	015000295
11	63	40	5.8	3.7	76	49	177	0.140	015000179
11	63	50	5.8	4.6	76	56	177	0.160	015000180
11	75	50	6.8	4.6	84	57	197	0.225	015000296
11	75	63	6.8	5.8	83	63	197	0.240	015000181
11	90	63	8.2	5.8	92	64	220	0.360	015000182
11	90	75	8.2	6.8	97	70	223	0.380	015000183
11	110	63	10.0	5.8	99	63	247	0.560	015000185
11	110	90	10.0	8.2	98	79	244	0.640	015000186
11	125	63	11.4	5.8	105	63	268	0.780	015000297
11	125	90	11.4	8.2	107	79	265	0.880	015000187
11	125	110	11.4	10	103	87	265	0.940	015000188
11	140	125	12.7	11.4	42	40	90	1.270	015000189
11	160	90	14.6	8.2	63	40	140	1.420	015000298
11	160	110	14.6	10	53	40	120	1.600	015000190
11	160	125	14.6	11.4	51	40	110	1.680	015000299
11	160	140	14.6	12.7	39	40	90	1.820	015000191
11	180	90	16.4	8.2	52	40	140	2.160	015000300
11	180	125	16.4	11.4	61	40	130	2.340	015000301
11	180	160	16.4	14.6	39	40	90	2.640	015000302
11	200	160	18.2	14.6	48	40	110	3.240	015000303
11	200	180	18.2	16.4	48	40	100	3.700	015000304
11	225	160	20.5	14.6	65	40	140	4.260	015000192
11	225	180	20.5	16.4	56	40	120	4.380	015000305
11	225	200	20.5	18.2	46	40	100	4.930	015000306
11	250	225	22.7	20.5	46	40	100	6.500	015000193

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Pipe clamps type B



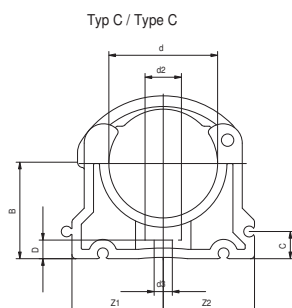
Product details:

- black
- injected, for metric pipe series, type B: without clip

d (mm)	z1 (mm)	z2 (mm)	B (mm)	C (mm)	kg/piece	Art. No.
20	16.5	19	25	10	0.008	023800002
25	19	21.5	27.5	10	0.009	023800003
32	24	26.5	31	10	0.012	023800004

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Pipe clamps type C



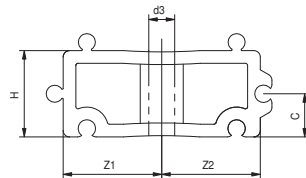
Product details:

- black
- injected, for metric pipe series, type C: with PP clip
- d > 160 mm on request

d (mm)	z1 (mm)	z2 (mm)	B (mm)	C (mm)	kg/piece	Art. No.
40	33.5	33.5	35	10	0.026	023800005
50	37	37	40	10	0.028	023800006
63	44.5	44.5	51.5	10	0.048	023800007
75	52	52	57.5	10	0.058	023800008
90	64.5	64.5	65	10	0.094	023800009
110	78	78	75	10	0.120	023800010
125	88	88	90	10	0.180	023800011
140	97	97	110	10	0.224	023800012
160	109	109	107.5	10	0.240	023800013

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Filling blocks for pipe clamps type B/type C



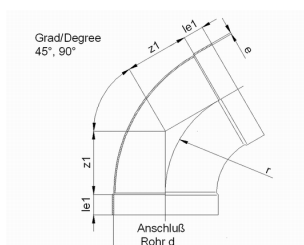
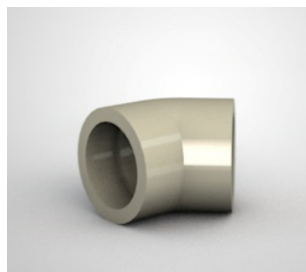
Product details:

- black
- injected, for metric pipe clamps, type B: without clip type C: with PP clip

d (mm)	z1 (mm)	z2 (mm)	H (mm)	C (mm)	kg/piece	Art. No.
25	19	21.5	20	10	0.007	023800016
32	24	26.5	20	10	0.008	023800017
40	33.5	33.5	20	10	0.015	023800018
63	44.5	44.5	20	10	0.024	023800020
75	52	52	20	10	0.027	023800021

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PPs Bends with sockets



Product details:

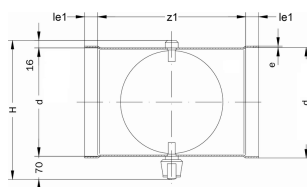
- grey - RAL 7037
- seamless moulded, with marking lines every 15 degrees, 30° and 60° on request, PE-EL, PP, PP-EL-s and PVC on request

Product image for illustration purposes only.

d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.
50	3.0	35	27	45	0.050	021800106
50	3.0	35	55	90	0.100	021800104
63	3.0	35	31	45	0.070	021800107
63	3.0	35	68	90	0.120	010100775
75	3.0	35	36	45	0.100	010100469
75	3.0	35	80	90	0.128	010100487
90	3.0	35	43	45	0.120	010100470
90	3.0	35	95	90	0.180	010100488
110	3.0	40	58	45	0.190	010100471
110	3.0	40	120	90	0.260	010100489
125	3.0	40	62	45	0.230	010100472
125	3.0	40	135	90	0.360	010100490
140	3.0	40	69	45	0.280	010100473
140	3.0	40	150	90	0.420	010100491
160	3.0	40	76	45	0.340	010100474
160	3.0	40	170	90	0.500	010100492
180	3.0	50	86	45	0.450	010100475
180	3.0	50	190	90	0.700	010100493
200	3.0	50	94	45	0.530	010100476
200	3.0	50	210	90	0.900	010100494
225	3.5	50	104	45	0.750	010100477
225	3.5	50	235	90	1.200	010100495
250	3.5	50	114	45	0.890	010100478
250	3.5	50	260	90	1.500	010100496
280	4.0	50	126	45	1.210	010100479
280	4.0	50	290	90	2.800	010100497
315	5.0	50	142	45	1.830	010100480
315	5.0	50	325	90	3.200	010100498
355	5.0	50	158	45	2.250	010100481
355	5.0	50	365	90	4.100	010100499
400	6.0	60	176	45	3.450	010100482
400	6.0	60	410	90	5.100	010100500
450	6.0	60	198	45	5.400	010100759
450	6.0	60	460	90	8.000	021800105
500	6.0	60	218	45	6.700	021800108
500	6.0	60	510	90	10.000	010100501
560	6.0	90	252	45	7.500	021800354
560	6.0	90	580	90	11.000	021800333
630	8.0	90	281	45	10.000	021800109
630	8.0	90	650	90	17.500	010100502
710	8.0	90	314	45	10.000	010007002
710	8.0	90	730	90	17.500	010007008
800	10.0	100	351	45	10.000	010007003

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PPs Volume control dampers with sockets, infinitesimal adjustment



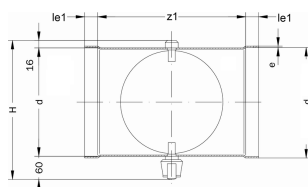
Product details:

- grey - RAL 7037
- actuator: infinitesimal adjustment
- with electric actuator on request, PE-EL, PP, PP-EL-s and PVC on request

d (mm)	e (mm)	le1 (mm)	z1 (mm)	H (mm)	kg/piece	Art. No.
50	3.0	35	60	133	0.200	022900069
63	3.0	35	60	147	0.200	022900070
75	3.0	35	60	159	0.200	022900071
90	3.0	35	60	173	0.200	022900072
110	3.0	40	75	193	0.300	022900073
125	3.0	40	70	209	0.300	022900074
140	3.0	40	70	223	0.400	022900075
160	3.0	40	70	243	0.500	022900076
180	3.0	50	70	263	0.580	022900077
200	3.0	50	70	283	0.600	022900078
225	3.0	50	70	309	0.600	022900079
250	3.0	50	75	333	0.780	022900080
280	3.0	50	75	363	0.900	022900081
315	3.0	50	75	399	1.100	022900082
355	5.0	50	75	462	1.500	022900083
400	6.0	60	80	506	1.900	022900084
450	6.0	60	405	565	3.500	010021419
500	6.0	60	405	615	6.500	010021420
560	6.0	50	460	685	11.000	010021421
630	6.0	50	530	755	13.500	010015419

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PPs Volume control dampers with sockets, with adjustment in increments



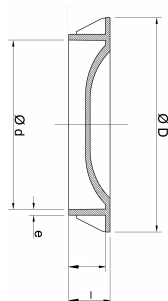
Product details:

- grey - RAL 7037
- actuator: manually with adjustments in increments
- with electric actuator on request, adjustment in increments (15°), PE-EL, PP, PP-EL-s and PVC on request

d (mm)	e (mm)	b (mm)	le1 (mm)	z1 (mm)	H (mm)	kg/piece	Art. No.
50	3.0	125	35	60	125	0.140	021300044
63	3.0	139	35	60	139	0.200	017100015
75	3.0	151	35	60	151	0.200	017100001
90	3.0	165	35	60	165	0.200	017100002
110	3.0	185	40	75	185	0.300	017100003
125	3.0	201	40	70	201	0.300	017100004
140	3.0	215	40	70	215	0.350	017100011
160	3.0	235	40	70	235	0.400	017100005
180	3.0	255	50	70	255	0.500	017100006
200	3.0	275	50	70	275	0.600	017100007
225	3.0	301	50	70	301	0.700	017100008
250	3.0	325	50	75	325	0.800	017100009
280	3.0	355	50	75	355	0.880	017100012
315	3.0	391	50	75	391	1.100	017100010

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PPs End caps with sockets



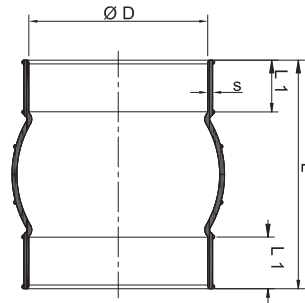
Product details:

- grey - RAL 7037
- PE-EL, PP, PP-EL-s and PVC on request

d (mm)	e (mm)	Length (mm)	kg/piece	Art. No.
50	2.5	25	0.040	020100082
63	2.5	35	0.050	020100018
75	2.5	35	0.070	020100005
90	2.5	35	0.080	020100006
110	3.5	25	0.100	020100001
125	3.5	25	0.100	020100007
140	3.5	25	0.100	020100008
160	3.5	25	0.200	020100002
180	3.5	25	0.200	020100009
200	3.5	25	0.200	020100003
225	4.0	25	0.300	020100010
250	3.0	25	0.400	020100004
280	4.0	25	0.400	020100011
315	3.5	25	0.600	020100012
355	4.0	25	0.700	020100013
400	6.0	25	0.900	020100014
450	6.0	76	1.600	020100015
500	6.0	76	1.800	020100016
560	6.0	76	2.500	020100019
630	6.0	76	2.800	020100020

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PPs Spherical-sleeves for clip band connection



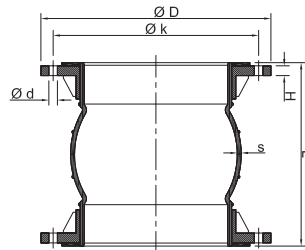
Product details:

- grey - RAL 7037

d (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.
50	22	95	0.060	010007346
63	20	95	0.080	010007347
75	18	95	0.090	010007348
90	16	95	0.110	010007349
110	20	110	0.190	010007350
125	29	130	0.200	010007352
140	37	150	0.260	010007353
160	35	150	0.290	010007354
200	40	155	0.500	010007355
250	40	155	0.650	010007356
315	40	150	0.710	010007357
400			0.001	010007358

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PPs Spherical-sleeves with flanges



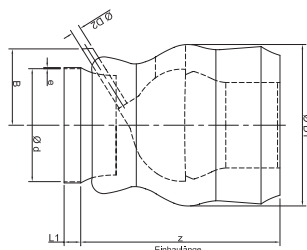
Product details:

- grey - RAL 7037
- self-sealing

d (mm)	Length (mm)	kg/piece	Art. No.
50	95	0.160	010007363
63	95	0.180	010007364
75	95	0.290	010007365
90	95	0.310	010007366
110	110	0.390	010007367
125	130	0.400	010007368
140	150	0.560	010007369
160	150	0.690	010007370
200	155	1.000	010007371
250	155	1.150	010007372
315	150	1.160	010007373
400		0.001	010007374

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PPs Exhaust Air Diffuser with sockets, type REDIFF



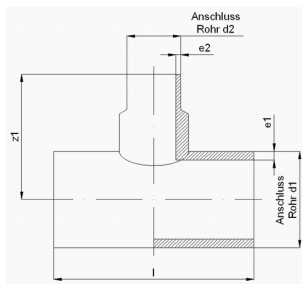
Product details:

- grey - RAL 7037
- PE-EL, PP, PP-EL-s and PVC on request

d (mm)	e (mm)	D1 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
110	3.0	164	240	50	0.500	010007201
125	3.0	186	267	50	0.600	010007204
140	3.0	208	293	50	1.000	010007206
160	3.0	238	333	50	1.100	010007207
180	3.0	268	367	60	1.500	010007208
200	3.0	296	386	60	1.600	010007209
225	3.5	335	450	60	2.400	010007210
250	3.5	372	496	60	2.700	010007211
280	4.0	414	551	60	2.900	010007212
315	5.0	468	618	60	5.000	010007213
355	5.0	528	690	60	5.600	010007214
400	6.0	596	773	70	6.800	010007215

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PP Tees with reduced branch, welded, reinforced



Product details:

- grey - RAL 7032
- fabricated from pipes, for butt welding and electrofusion welding, saddlemounted, reinforced
- reinforced for full pressure load, no pressure reduction factor
- DIN EN ISO 15494/C

Product image for illustration purposes only.

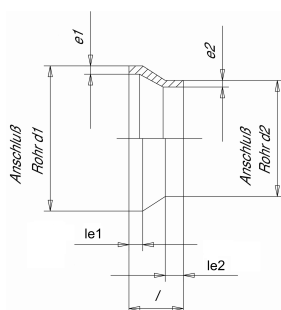
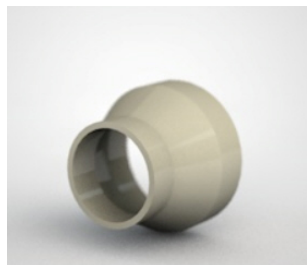
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	180	50	16.4	4.6	205	365	3.500	010013081
11	180	63	16.4	5.8	215	385	4.000	010013082
11	180	75	16.4	6.8	235	405	4.600	010013083
11	180	90	16.4	8.2	245	405	5.600	010013084
11	180	110	16.4	10	255	435	6.800	010013085
11	200	75	18.2	6.8	245	425	5.600	010013086
11	200	125	18.2	11.4	275	475	8.300	010013087
11	225	63	20.5	5.8	245	425	6.300	010013088
11	225	125	20.5	11.4	295	495	9.800	010013089
11	225	140	20.5	12.7	305	515	15.100	010013090
11	250	63	22.7	5.8	255	445	8.500	010013091
11	250	75	22.7	6.8	275	465	8.600	010013092
11	250	90	22.7	8.2	285	485	9.800	010013093
11	250	125	22.7	11.4	305	515	11.500	010013094
11	250	140	22.7	12.7	325	535	16.800	010013095
11	280	90	25.4	8.2	305	505	13.400	010013096
11	280	110	25.4	10	315	525	14.100	010013097
11	280	125	25.4	11.4	325	545	19.200	010013098
11	280	140	25.4	12.7	335	565	19.500	010013099
11	280	160	25.4	14.6	355	585	20.700	010013100
11	280	180	25.4	16.4	365	605	22.200	010013101
11	315	90	28.6	8.2	325	535	16.700	010013102
11	315	125	28.6	11.4	345	565	22.600	010013103
11	315	140	28.6	12.7	355	585	23.600	010013104
11	315	180	28.6	16.4	385	635	25.700	010013105
11	315	200	28.6	18.2	405	655	33.000	010013106
11	355	90	32.2	8.2	345	575	21.700	010013107
11	355	110	32.2	10	365	605	22.700	010013108
11	355	125	32.2	11.4	365	605	27.900	010013109
11	355	140	32.2	12.7	385	625	29.200	010013110
11	355	160	32.2	14.6	395	645	31.200	010013111
11	355	180	32.2	16.4	415	675	36.700	010013112
11	355	200	32.2	18.2	425	695	46.000	010013113
11	355	225	32.2	20.5	445	725	59.000	010013114
11	400	90	36.3	8.2	375	615	28.400	010013115
11	400	110	36.3	10	385	645	29.500	010013116
11	400	125	36.3	11.4	395	665	34.900	010013117
11	400	140	36.3	12.7	405	665	36.400	010013118
11	400	160	36.3	14.6	425	685	38.600	010013119
11	400	180	36.3	16.4	435	715	44.200	010013120
11	400	200	36.3	18.2	455	735	56.300	010013121
11	400	225	36.3	20.5	475	765	70.800	010013122
11	400	250	36.3	22.7	555	805	72.100	010013123
11	450	110	40.9	10	420	690	38.700	010013124
11	450	125	40.9	11.4	430	710	44.300	010013125
11	450	140	40.9	12.7	450	730	46.000	010013126
11	450	160	40.9	14.6	460	760	48.500	010013127
11	450	180	40.9	16.4	470	760	54.200	010013128
11	450	200	40.9	18.2	490	780	66.400	010013129
11	450	225	40.9	20.5	510	810	80.900	010013130
11	450	250	40.9	22.7	590	850	82.200	010013131
11	450	280	40.9	25.4	600	890	88.900	010013132
11	500	110	45.4	10	450	740	50.200	010013133
11	500	125	45.4	11.4	460	760	56.100	010013134

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	500	140	45.4	12.7	470	780	58.100	010013135
11	500	160	45.4	14.6	490	810	60.900	010013136
11	500	180	45.4	16.4	500	810	66.900	010013137
11	500	200	45.4	18.2	520	830	79.400	010013138
11	500	225	45.4	20.5	530	860	94.100	010013139
11	500	250	45.4	22.7	620	900	100.900	010013140
11	500	280	45.4	25.4	640	940	102.100	010013141
11	560	160	50.8	14.6	520	860	84.500	010013142
11	560	180	50.8	16.4	540	890	85.100	010013143
11	560	200	50.8	18.2	560	920	98.000	010013144
11	560	225	50.8	20.5	570	920	123.800	010013145
11	560	250	50.8	22.7	650	950	131.900	010013146
11	560	280	50.8	25.4	670	990	141.200	010013147
11	560	315	50.8	28.6	700	1040	162.400	010013148
11	630	160	57.2	14.6	560	910	101.300	010013149
11	630	180	57.2	16.4	580	940	105.300	010013150
11	630	200	57.2	18.2	600	970	122.600	010013151
11	630	225	57.2	20.5	620	1000	137.600	010013152
11	630	250	57.2	22.7	690	1000	145.400	010013153
11	630	280	57.2	25.4	710	1040	154.700	010013154
11	630	315	57.2	28.6	740	1090	170.300	010013155
17.6	180	50	10.7	3	205	365	2.500	010013156
17.6	180	63	10.7	3.8	215	385	3.000	010013157
17.6	180	75	10.7	4.5	235	405	3.400	010013158
17.6	180	90	10.7	5.4	245	405	4.200	010013159
17.6	180	110	10.7	6.6	255	435	5.500	010013160
17.6	200	75	11.9	4.5	245	425	4.100	010013161
17.6	200	125	11.9	7.4	275	475	6.500	010013162
17.6	225	63	13.4	3.8	245	425	4.500	010013163
17.6	225	125	13.4	7.4	295	495	7.500	010013164
17.6	225	140	13.4	8.3	305	515	12.500	010013165
17.6	250	63	14.8	3.8	255	445	5.500	010013166
17.6	250	75	14.8	4.5	275	465	6.100	010013167
17.6	250	90	14.8	5.4	285	485	7.200	010013168
17.6	250	125	14.8	7.9	305	515	8.600	010013169
17.6	250	140	14.8	8.3	325	535	13.600	010013170
17.6	280	90	16.6	5.4	305	505	8.900	010013171
17.6	280	110	16.6	6.6	315	525	10.100	010013172
17.6	280	125	16.6	7.4	325	545	10.500	010013173
17.6	280	140	16.6	8.3	335	565	15.400	010013174
17.6	280	160	16.6	9.5	355	585	16.500	010013175
17.6	280	180	16.6	10.7	365	605	17.900	010013176
17.6	315	90	18.7	5.4	325	535	11.200	010013177
17.6	315	125	18.7	7.4	345	565	16.700	010013178
17.6	315	140	18.7	8.3	355	585	17.700	010013179
17.6	315	180	18.7	10.7	385	635	20.600	010013180
17.6	315	200	18.7	11.9	405	655	25.300	010013181
17.6	355	90	21.1	5.4	345	575	14.600	010013182
17.6	355	110	21.1	6.6	365	605	16.300	010013183
17.6	355	125	21.1	7.4	365	605	20.200	010013184
17.6	355	140	21.1	8.3	385	625	21.200	010013185
17.6	355	160	21.1	9.5	395	645	24.300	010013186
17.6	355	180	21.1	10.7	415	675	26.900	010013187
17.6	355	200	21.1	11.9	425	695	28.900	010013188
17.6	355	225	21.1	13.4	445	725	35.800	010013189
17.6	400	90	23.7	5.4	375	615	19.000	010013190
17.6	400	110	23.7	6.6	385	645	20.900	010013191
17.6	400	125	23.7	7.4	395	665	25.700	010013192
17.6	400	140	23.7	8.3	405	665	26.000	010013193
17.6	400	160	23.7	9.5	425	685	29.100	010013194
17.6	400	180	23.7	10.7	435	715	31.800	010013195
17.6	400	200	23.7	11.9	455	735	33.800	010013196
17.6	400	225	23.7	13.4	475	765	40.600	010013197
17.6	400	250	23.7	14.8	555	805	47.100	010013198
17.6	450	110	26.7	6.6	420	690	27.100	010013199
17.6	450	125	26.7	7.4	430	710	32.000	010013200
17.6	450	140	26.7	8.3	450	730	33.400	010013201
17.6	450	160	26.7	9.5	460	760	37.200	010013202
17.6	450	180	26.7	10.7	470	760	38.400	010013203
17.6	450	200	26.7	11.9	490	780	40.500	010013204
17.6	450	225	26.7	13.4	510	810	47.400	010013205
17.6	450	250	26.7	14.8	590	850	53.700	010013206
17.6	450	280	26.7	16.6	600	890	48.600	010013207
17.6	500	110	29.7	6.6	450	740	35.000	010013208
17.6	500	125	29.7	7.4	460	760	40.100	010013209
17.6	500	140	29.7	8.3	470	780	41.600	010013210
17.6	500	160	29.7	9.5	490	810	45.700	010013211
17.6	500	180	29.7	10.7	500	810	46.900	010013212
17.6	500	200	29.7	11.9	520	830	49.100	010013213
17.6	500	225	29.7	13.4	530	860	56.200	010013214
17.6	500	250	29.7	14.8	620	900	54.300	010013215
17.6	500	280	29.7	16.6	640	940	58.200	010013216
17.6	500	315	29.7	18.7	670	980	68.100	010013217
17.6	560	160	33.2	9.5	520	860	57.300	010013218

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
17.6	560	180	33.2	10.7	540	890	60.700	010013219
17.6	560	200	33.2	11.9	560	920	63.900	010013220
17.6	560	225	33.2	13.4	570	920	68.800	010013221
17.6	560	250	33.2	14.8	650	950	66.600	010013222
17.6	560	280	33.2	16.6	670	990	70.800	010013223
17.6	560	315	33.2	18.7	700	1040	81.100	010013224
17.6	630	160	37.4	9.5	560	910	73.200	010013225
17.6	630	180	37.4	10.7	580	940	77.100	010013226
17.6	630	200	37.4	11.9	600	970	80.600	010013227
17.6	630	225	37.4	13.4	620	1000	88.700	010013228
17.6	630	250	37.4	14.8	690	1000	83.400	010013229
17.6	630	280	37.4	16.6	710	1040	88.300	010013230
17.6	630	315	37.4	18.7	740	1090	98.800	010013231
17.6	710	160	42.1	9.5	600	950	93.600	010013232
17.6	710	180	42.1	10.7	620	980	98.000	010013233
17.6	710	200	42.1	11.9	640	1010	102.100	010013234
17.6	710	225	42.1	13.4	660	1040	110.800	010013235
17.6	710	250	42.1	14.8	750	1080	119.500	010013236
17.6	710	280	42.1	16.6	760	1080	111.100	010013237
17.6	710	315	42.1	18.7	790	1130	122.500	010013238
17.6	800	160	47.4	9.5	655	1005	121.400	010013239
17.6	800	180	47.4	10.7	675	1035	126.600	010013240
17.6	800	200	47.4	11.9	695	1065	131.400	010013241
17.6	800	225	47.4	13.4	715	1095	140.700	010013242
17.6	800	250	47.4	14.8	805	1135	150.300	010013243
17.6	800	280	47.4	16.6	815	1135	141.900	010013244
17.6	800	315	47.4	18.7	845	1185	154.300	010013245

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PP Reducers concentric, machined



Product details:

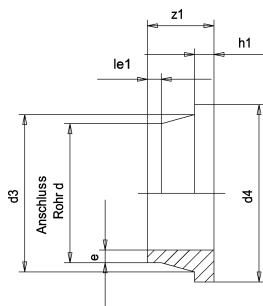
- grey - RAL 7032
- machined, for butt welding
- SDR 33 on request
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
11	355	225	32.2	20.5	57	40	140	4.260	010013448
11	355	250	32.2	22.7	54	40	140	3.940	010013449
11	355	280	32.2	25.4	53	40	120	3.720	010013450
11	355	315	32.2	28.6	53	40	110	3.540	010013451
11	400	225	36.3	20.5	64	40	160	6.100	010013452
11	400	250	36.3	22.7	61	40	150	5.800	010013453
11	400	280	36.3	25.4	60	40	140	5.500	010013454
11	400	315	36.3	28.6	50	40	120	4.660	010013455
11	400	355	36.3	32.2	51	40	110	4.480	010013456
11	450	280	40.9	25.4	65	40	160	9.000	010013457
11	450	315	40.9	28.6	55	40	140	6.720	010013458
11	450	355	40.9	32.2	57	40	130	6.580	010013459
11	450	400	40.9	36.3	60	40	120	6.380	010013460
11	500	315	45.4	28.6	71	40	170	11.000	010013462
11	500	355	45.4	32.2	62	40	150	9.300	010013463
11	500	400	45.4	36.3	65	40	140	9.100	010013464
11	500	450	45.4	40.9	60	40	120	8.300	010013465
11	560	400	50.8	36.3	68	40	160	12.800	010013467
11	560	450	50.8	40.9	62	40	140	12.900	010013468
11	560	500	50.8	45.4	67	40	130	11.400	010013469
17.6	355	225	20.1	12.7	57	40	140	3.200	010013476
17.6	355	250	20.1	14.2	54	40	130	2.900	010013477
17.6	355	280	20.1	15.9	53	40	120	2.740	010013478
17.6	355	315	20.1	17.9	53	40	110	2.500	010013479
17.6	400	225	22.7	12.7	64	40	160	4.600	010013480
17.6	400	250	22.7	14.2	61	40	150	4.400	010013481
17.6	400	280	22.7	15.9	60	40	140	4.200	010013482
17.6	400	315	22.7	17.9	50	40	120	3.360	010013483
17.6	400	355	22.7	20.1	51	40	110	3.160	010013484
17.6	450	280	25.5	15.9	65	40	160	4.360	010013485
17.6	450	315	25.5	17.9	55	40	140	4.900	010013486
17.6	450	355	25.5	20.1	57	40	130	4.900	010013487
17.6	450	400	25.5	22.7	60	40	120	4.600	010013488
17.6	500	315	28.4	17.9	71	40	170	8.440	010013490
17.6	500	355	28.4	20.1	62	40	150	7.720	010013491
17.6	500	400	28.4	22.7	65	40	140	7.360	010013492
17.6	500	450	28.4	25.5	60	40	120	5.260	010013493
17.6	560	400	31.7	22.7	68	40	160	9.400	010013495
17.6	560	450	31.7	25.5	62	40	140	8.960	010013496
17.6	560	500	31.7	28.4	67	40	130	7.270	010013497
17.6	630	400	35.7	22.7	78	40	190	14.620	010013499
17.6	630	450	35.7	25.5	72	40	170	13.100	010013500
17.6	630	500	35.7	28.4	67	40	150	11.400	010013501
17.6	630	560	35.7	31.7	64	40	130	10.200	010013502
17.6	710	500	40.2	25.5	84	40	190	19.000	010013505
17.6	710	560	40.2	28.4	81	40	170	17.400	010013506
17.6	710	630	40.2	35.7	71	40	140	13.700	010013507
17.6	800	560	45.3	31.7	85	40	200	19.700	010013508
17.6	800	630	45.3	35.7	85	40	180	23.400	010013509
17.6	800	710	45.3	40.2	78	40	150	18.900	010013510

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PP Stub flanges for loose flange ISO/DIN, machined



Product image for illustration purposes only.

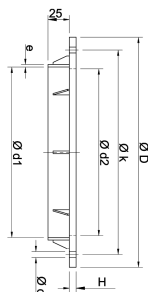
Product details:

- grey - RAL 7032
- machined, for butt welding
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.
11	560	50.8	615	685	60	140	60	10	16.100	010013559
11	630	57.2	642	685	60	140	60	10	17.900	010013560
17.6	710	40.2	737	800	50	150	50	6	16.200	010013561
17.6	800	45.3	840	905	48	150	52	6	21.300	010013562
17.6	900	51.0	944	1005	50	155	55	6	26.400	010013563
17.6	1000	56.7	1047	1110	50	180	60	6	39.100	010013564
33	710	21.8	737	800	50	135	35	3.2	10.010	010013565
33	800	24.5	840	905	49	135	36	3.2	13.200	010013566
33	900	27.6	944	1005	50	140	40	3.2	16.600	010013567
33	1000	30.6	1047	1110	48	160	42	3.2	23.700	010013568

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PPs Flange adaptors with sockets



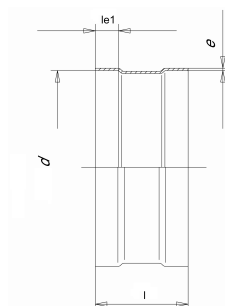
Product details:

- grey - RAL 7037
- PE-EL, PP, PP-EL-s and PVC on request

d (mm)	d2 (mm)	e (mm)	k (mm)	H (mm)	kg/piece	LK (mm)	Art. No.
50	46	3.0	80	4	0.055	80	020900047
63	59	3.0	100	8	0.080	100	020900048
75	71	3.0	115	8	0.090	115	020900013
90	86	3.0	130	8	0.120	130	020900014
110	106	4.0	150	8	0.150	150	020900001
125	121	4.0	165	8	0.180	165	020900002
140	136	4.0	175	8	0.200	175	020900009
160	156	4.0	200	8	0.225	200	020900003
180	176	4.0	220	8	0.250	220	020900010
200	196	4.0	240	8	0.280	240	020900004
225	221	4.0	265	8	0.320	265	020900005
250	246	4.0	290	10	0.350	290	020900006
280	274	4.0	325	10	0.480	325	020900011
315	309	4.5	350	10	0.580	350	020900007
355	349	6.0	400	10	0.600	400	020900012
400	394	6.5	445	10	0.880	445	020900008

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PPs Sockets



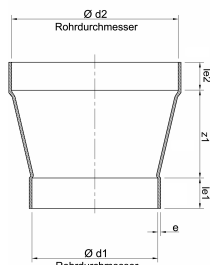
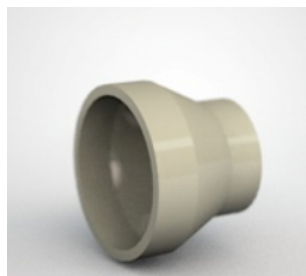
Product details:

- grey - RAL 7037
- PE-EL, PP, PP-EL-s and PVC on request

d (mm)	e (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.
50	3.0	35	90	0.100	020800079
63	3.0	35	130	0.100	020800043
75	3.0	35	130	0.100	020800007
90	3.0	35	130	0.100	020800008
110	3.0	40	100	0.100	020800009
125	3.0	40	100	0.100	020800010
140	3.0	40	100	0.125	020800011
160	3.0	40	100	0.200	020800012
180	3.0	40	100	0.200	020800013
200	3.0	50	120	0.220	020800014
225	3.5	50	120	0.300	020800015
250	3.5	50	120	0.400	020800016
280	4.0	50	120	0.420	020800040
315	5.0	50	120	0.800	020800017
355	5.0	45	125	0.980	020800018
400	6.0	60	160	1.001	020800019
450	6.0	45	160	1.200	020800041
500	6.0	50	140	1.290	020800044
560	6.0	90	210	1.940	020800045
630	8.0	100	210	2.300	020800046
710	8.0	90	210	2.300	010007009
800	8.0	100	230	2.300	010007010

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PPs Reducers concentric with sockets



Product image for illustration purposes only.

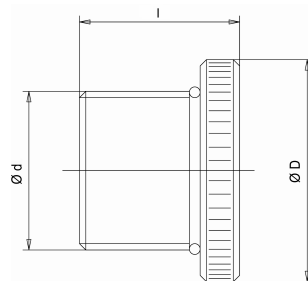
Product details:

- grey - RAL 7037
- PE-EL, PP, PP-EL-s and PVC on request

d1 (mm)	d2 (mm)	e (mm)	le1 (mm)	le2 (mm)	z1 (mm)	kg/piece	Art. No.
75	50	3.0	35	35	50	0.070	022600258
75	63	3.0	35	35	25	0.075	022600161
90	75	3.0	35	35	40	0.090	014900001
110	90	3.0	35	35	70	0.180	014900003
125	110	3.0	40	40	30	0.135	014900004
140	110	3.0	40	40	65	0.185	014900745
140	125	3.0	40	40	50	0.160	014900746
160	110	3.0	40	35	115	0.250	014900005
160	125	3.0	40	35	95	0.400	014900006
160	140	3.5	40	35	60	0.220	014900747
180	160	3.0	40	50	45	0.240	014900007
200	110	3.0	45	45	175	0.240	022600160
200	160	3.5	40	50	95	0.420	014900009
200	180	3.5	50	50	60	0.510	014900748
225	160	3.0	50	50	135	0.400	014900778
225	200	3.5	40	50	55	0.400	014900749
250	160	3.5	40	50	195	0.630	014900010
250	180	3.5	50	50	165	0.680	014900753
250	200	4.0	50	50	115	0.640	014900011
250	225	4.0	50	50	65	0.550	014900754
280	200	4.0	50	50	200	0.950	022600168
280	250	4.0	50	50	110	0.760	014900756
315	160	4.0	40	50	290	1.200	022600184
315	200	4.0	50	45	250	1.100	014900013
315	250	4.5	50	45	140	0.880	014900014
315	280	4.5	50	45	90	0.800	014900758
355	200	5.0	50	40	300	1.440	014900759
355	250	5.0	50	40	220	1.300	014900015
355	315	5.0	45	40	95	1.002	014900760
400	225	5.0	50	45	340	2.100	022600256
400	250	5.0	50	50	320	2.100	022600245
400	315	5.0	45	45	190	1.600	014900016
400	355	5.0	40	45	115	1.300	014900763
450	250	6.0	50	70	475	3.900	022600240
450	315	6.0	50	45	270	2.500	022600169
450	400	6.0	45	45	115	1.500	022600015
500	315	6.0	50	70	355	3.700	022600170
500	400	6.0	45	50	120	2.600	022600016
560	450	6.0	45	70	215	3.100	022600239
630	450	6.0	45	70	345	5.500	010007014
630	560	6.0	70	70	135	5.700	022600172

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PP Threaded plugs



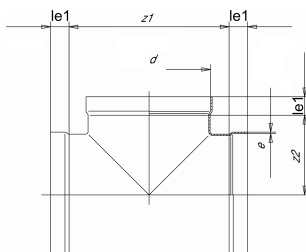
Product details:

- grey - RAL 7032
- machined
- max. admissible operating overpressure for water at +20 °C 8 bar, double-layer PTFE tape recommended as sealant
- DIN EN ISO 15494/C

D (mm)	di (")	PN (bar)	Length (mm)	kg/piece	Art. No.
50	1 1/2	10	40	0.032	015100070
45	1 1/4	10	40	0.020	015100071
25	1/2	10	25	0.005	015100072
40	1	10	35	0.014	015100073
95	2 1/2	10	40	0.070	015100074
70	2	10	45	0.050	015100075
30	3/4	10	30	0.007	015100076

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PPs Tees with sockets



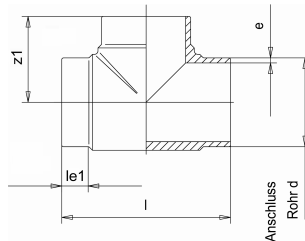
Product details:

- grey - RAL 7037
- injected, swept
- PE-EL, PP, PP-EL-s and PVC on request

d (mm)	e (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
50	3.0	40	60	30	0.120	022800001
63	3.0	40	60	30	0.130	022800002
75	3.0	40	135	60	0.140	010300243
90	3.0	40	155	70	0.160	010300244
110	3.0	50	145	70	0.300	010300245
125	3.0	50	180	80	0.480	010300246
140	3.0	50	205	90	0.500	010300327
160	3.0	50	245	95	0.580	010300247
180	3.0	60	270	100	1.100	010300328
200	3.0	60	280	120	1.200	010300248
225	3.0	60	320	135	1.400	010300249
250	4.0	60	310	145	1.600	010300250
280	4.0	60	365	155	2.260	010300329
315	5.0	60	420	185	3.300	010300251
355	5.0	60	470	230	3.400	010300330
400	6.0	75	485	240	5.100	010300331
450	6.0	110	590	295	7.730	022800021
500	6.0	110	640	320	8.000	022800022
560	6.0	110	700	350	10.000	022800023
630	6.0	110	770	390	11.000	022800024

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PP Tees, injected



Product details:

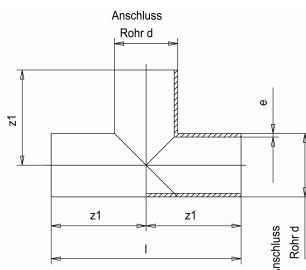
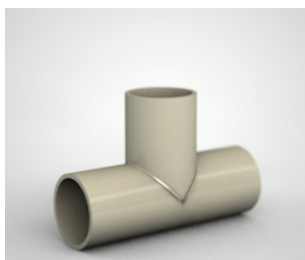
- grey - RAL 7032
- injected, for butt welding
- more designs, see page 63
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Length (mm)	Material	kg/piece	Art. No.
11	20	1.9	11	38	79	PP-H	0.021	010300193
11	25	2.3	11	42	84	PP-H	0.030	010300194
11	32	2.9	11	44	88	PP-H	0.044	010300195
11	40	3.7	11	46	92	PP-H	0.065	010300196
11	50	4.6	12	50	100	PP-H	0.111	010300198
11	63	5.8	17	67	134	PP-H	0.235	010300200
11	75	6.8	19	75	150	PP-H	0.360	010300202
11	90	8.2	42	103	206	PP-H	0.680	010019349
11	110	10.0	56	127	254	PP-H	1.230	010019351
11	125	11.4	52	125	250	PP-R	1.600	010300158
11	140	12.7	63	159	318	PP-R	2.480	010300161
11	160	14.6	57	160	320	PP-H	3.250	010022957
11	180	16.4	94	215	430	PP-R	5.475	010300166
11	200	18.2	90	220	440	PP-R	6.810	010300169
11	225	20.5	76	225	450	PP-H	8.840	010025633
11	250	22.7	68	227	454	PP-R	10.400	010300175
11	280	25.4	87	267	534	PP-R	15.170	010300178
11	315	28.6	86	283	566	PP-R	20.330	010300181
11	355	32.2	103	349	698	PP-R	30.200	010300183
11	400	36.3	105	360	720	PP-R	39.100	010300185
11	450	40.9	137	419	838	PP-R	61.129	010300954
11	500	45.4	160	465	930	PP-R	84.230	010300956
17.6	50	2.9	12	50	102	PP-H	0.084	010300197
17.6	63	3.6	16	68	136	PP-H	0.172	010300199
17.6	75	4.3	14	75	153	PP-H	0.280	010300201
17.6	90	5.1	42	100	200	PP-H	0.540	010019348
17.6	110	6.3	57	130	260	PP-H	0.925	010019350
17.6	125	7.1	50	125	250	PP-R	1.133	010300157
17.6	140	8.0	63	160	320	PP-R	1.765	010300160
17.6	160	9.1	57	160	320	PP-H	2.335	010022956
17.6	180	10.2	97	217	434	PP-R	4.000	010300165
17.6	200	11.4	94	220	440	PP-R	5.060	010300168
17.6	225	12.8	75	227	454	PP-H	6.870	010025632
17.6	250	14.2	69	224	448	PP-R	7.410	010300174
17.6	280	15.9	88	266	532	PP-R	10.680	010300177
17.6	315	17.9	86	283	566	PP-R	14.105	010300180
17.6	355	20.1	103	345	690	PP-R	21.900	010300182
17.6	400	22.7	105	367	734	PP-R	26.300	010300184
17.6	450	25.5	138	419	838	PP-R	42.715	010300953
17.6	500	28.3	165	477	954	PP-R	59.500	010300955
33	110	3.4	50	105	215	PP-R	0.440	010300153
33	125	3.9	60	107	218	PP-R	0.480	010300156
33	140	4.3	55	125	253	PP-R	1.040	010300159
33	160	4.9	92	140	270	PP-R	1.210	010300162
33	180	5.5	88	150	310	PP-R	1.360	010300281
33	200	6.2	72	170	340	PP-R	1.860	010300167
33	250	7.7	64	215	438	PP-R	5.640	010300173
33	280	8.6	82	243	500	PP-R	6.600	010300176
33	315	9.7	82	270	535	PP-R	8.240	010300179

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PP Tees, segment welded



Product details:

- grey - RAL 7032
- fabricated from pipes, for butt welding and electrofusion welding
- segment welded tees without reinforcement: SDR 33 pressure-less; SDR 17,6 and SDR 11 pressure reduction factor: 0.65
- DIN EN ISO 15494/C

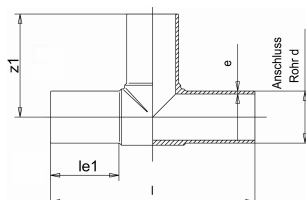
Product image for illustration purposes only.

SDR	d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
11	90	8.2	195	10	390	1.210	010300427
11	110	10.0	205	10	410	1.760	010300431
11	125	11.4	215	10	430	2.370	010300435
11	140	12.7	220	10	440	3.010	010300439
11	160	14.6	230	10	460	4.060	010300443
11	180	16.4	240	10	480	5.300	010300447
11	200	18.2	250	10	500	6.750	010300451
11	225	20.5	265	10	530	8.960	010300455
11	250	22.7	375	10	750	16.200	010300459
11	280	25.4	390	10	780	20.900	010300463
11	315	28.6	460	10	920	31.400	010300467
11	355	32.2	480	10	960	39.800	010300471
11	400	36.3	500	10	1000	52.100	010300475
11	450	40.9	525	10	1050	68.500	010300241
11	500	45.4	600	10	1200	104.000	010300242
17.6	90	5.1	195	6	390	0.790	010300426
17.6	110	6.3	205	6	410	1.160	010300430
17.6	125	7.1	215	6	430	1.550	010300434
17.6	140	8.0	220	6	440	1.960	010300438
17.6	160	9.1	230	6	460	2.650	010300442
17.6	180	10.2	240	6	480	3.450	010300446
17.6	200	11.4	250	6	500	4.510	010300450
17.6	225	12.8	265	6	530	5.830	010300454
17.6	250	14.2	375	6	750	10.500	010300458
17.6	280	15.9	390	6	780	13.600	010300462
17.6	315	17.9	460	6	920	20.400	010300466
17.6	355	20.1	480	6	960	25.800	010300470
17.6	400	22.7	500	6	1000	35.400	010300474
17.6	450	25.5	525	6	1050	44.400	010300478
17.6	500	28.4	600	6	1200	60.284	010300481
17.6	560	31.7	630	6	1260	81.800	010300484
17.6	630	35.7	665	6	1330	108.000	010300487
17.6	710	40.2	705	6	1410	154.000	010300490
17.6	800	45.3	750	6	1500	213.000	010300493
33	90	2.8	195	3.2	390	0.250	010300425
33	110	3.4	205	3.2	410	0.670	010300429
33	125	3.9	215	3.2	430	0.880	010300433
33	140	4.3	220	3.2	440	1.130	010300437
33	160	4.9	230	3.2	460	1.500	010300441
33	180	5.5	240	3.2	480	1.960	010300445
33	200	6.2	250	3.2	500	2.490	010300449
33	225	6.9	265	3.2	530	3.300	010300453
33	250	7.7	375	3.2	750	5.980	010300457
33	280	8.6	390	3.2	780	7.700	010300461
33	315	9.7	460	3.2	920	11.500	010300465
33	355	10.9	480	3.2	960	15.200	010300469
33	400	12.3	500	3.2	1000	19.700	010300473
33	450	13.8	525	3.2	1050	25.900	010300477
33	500	15.3	600	3.2	1200	36.600	010300480
33	560	17.2	630	3.2	1260	45.800	010300483
33	630	19.3	665	3.2	1330	63.200	010300486
33	710	21.8	705	3.2	1410	96.430	010300489
33	800	24.5	750	3.2	1500	129.580	010300492
33	900	27.6	850	3.2	1700	152.950	010300495

SDR	d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
33	1000	30.6	900	3.2	1800	198.550	010300497

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PP Tees, injected



Product details:

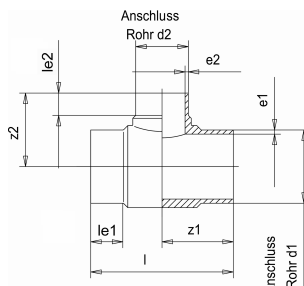
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- more designs, see page 36
- Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Length (mm)	Material	kg/piece	Art. No.
11	20	1.9	41	54	10	108	PP-H	0.020	019300095
11	25	2.3	41	60	10	120	PP-H	0.034	019300094
11	32	2.9	46	67	10	134	PP-H	0.060	019300083
11	40	3.7	52	82	10	165	PP-H	0.106	019300064
11	50	4.6	57	92	10	184	PP-H	0.185	019300099
11	63	5.8	67	108	10	216	PP-H	0.337	019300100
11	75	6.8	72	122	10	244	PP-H	0.545	019300101
11	90	8.2	80	138	10	276	PP-H	0.920	019300109
11	110	10.0	87	161	10	322	PP-H	1.545	019300110
11	125	11.4	98	176	10	352	PP-R	2.210	019300024
11	140	12.7	104	200	10	400	PP-R	2.780	019300025
11	225	20.5	129	278	10	559	PP-H	11.240	019300115
11	250	22.7	132	291	10	582	PP-R	13.100	019300047
11	280	25.4	134	313	10	626	PP-R	17.800	019300045
11	315	28.6	154	345	10	690	PP-R	19.000	019300048

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PP Tees with reduced branch, injected



Product details:

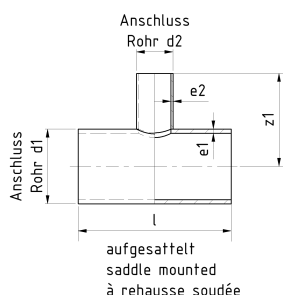
- grey - RAL 7032
- injected, for butt welding
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.
11	90	32	8.2	2.9	53	23	102	85	203	0.560	013500126
11	110	32	10.0	2.9	66	22	117	91	234	0.940	013500128
11	110	50	10.0	4.6	66	27	117	101	240	0.950	013500304
11	125	63	10.0	5.8	54	25	127	107	254	1.360	013500129
11	140	63	12.7	5.8	83	32	146	120	291	1.740	013500131
11	140	75	12.7	6.8	81	35	146	130	291	1.840	013500309
11	140	90	12.7	8.2	81	41	146	130	291	1.960	013500132
11	140	110	12.7	10	50	44	146	140	291	2.200	013500310
11	160	125	14.6	11.4	58	47	158	150	315	2.750	013500314
11	180	63	16.4	5.8	125	30	174	140	348	2.980	013500134
11	180	75	16.4	6.8	112	30	174	160	348	3.060	013500315
11	180	125	16.4	11.4				166	366	3.220	013501029
11	225	125	20.5	11.4				178	456	7.965	013500326
17.6	140	63	8.0	3.6	83	32	146	120	291	1.290	013500117
17.6	140	75	8.0	4.3	81	35	146	120	291	1.370	013500433
17.6	140	90	8.0	5.1	81	41	146	130	291	1.380	013500118
17.6	140	110	8.0	6.3	50	44	146	140	291	1.600	013500434
17.6	160	125	9.1	7.1	58	47	158	150	315	2.060	013500120
17.6	180	63	10.2	3.6	125	30	174	140	348	2.160	013500438
17.6	180	75	10.2	4.3	112	30	174	160	348	2.230	013500439
17.6	180	110	10.2	6.3	92	50	174	150	348	2.325	013500122
17.6	225	125	13.4	7.4				180	445	4.830	013500447
17.6	250	110	14.2	6.3	135	33	225	195	443	5.830	013500450
17.6	250	160	14.2	9.1	110	58	225	213	440	6.020	013500451

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PP Tees with reduced branch, welded



Product details:

- grey - RAL 7032
- fabricated from pipe SDR 17.6 and SDR 11, for butt welding and electrofusion welding, saddle mounted
- welded tees without reinforcement, Pressure reduction factor SDR 17.6: 0.5 / SDR 11: 0.6; SDR 33 on request
- DIN EN ISO 15494/C

Product image for illustration purposes only.

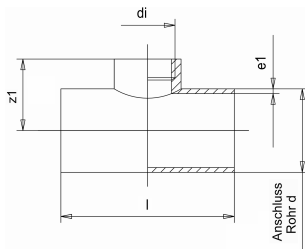
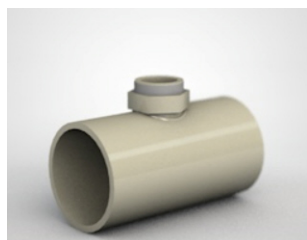
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	90	50	8.2	4.6	95	250	0.570	013500601
11	110	50	10.0	4.6	105	250	0.820	013500603
11	110	63	10.0	5.8	105	265	0.900	013500604
11	125	50	11.4	4.6	115	250	1.050	013500606
11	125	63	11.4	5.8	115	265	1.150	013500607
11	125	75	11.4	6.8	115	275	1.240	013500608
11	140	63	12.7	5.8	120	265	1.420	013500610
11	140	75	12.7	6.8	120	275	1.520	013500611
11	140	90	12.7	8.2	120	290	1.660	013500612
11	160	63	14.6	5.8	130	265	1.820	013500614
11	160	75	14.6	6.8	130	275	1.940	013500615
11	160	90	14.6	8.2	130	290	2.120	013500616
11	160	110	14.6	10	130	310	2.370	013500617
11	180	75	16.4	6.8	140	275	2.420	013500618
11	180	90	16.4	8.2	140	290	2.620	013500619
11	180	110	16.4	10	140	310	2.920	013500620
11	200	75	18.2	6.8	150	275	2.940	013500622
11	200	90	18.2	8.2	150	290	3.180	013500623
11	200	110	18.2	10	150	310	3.530	013500624
11	200	140	18.2	12.7	200	440	5.360	013500625
11	225	75	20.5	6.8	165	275	3.690	013500627
11	225	90	20.5	8.2	165	290	3.990	013500628
11	225	110	20.5	10	165	310	4.400	013500629
11	250	90	22.7	8.2	175	290	4.800	013500633
11	250	110	22.7	10	175	310	5.340	013500634
11	250	140	22.7	12.7	225	440	7.920	013500635
11	280	90	25.4	8.2	190	290	6.050	013500639
11	280	110	25.4	10	190	310	6.160	013500640
11	280	140	25.4	12.7	240	440	9.750	013500641
11	280	160	25.4	14.6	240	460	10.500	013500642
11	280	180	25.4	16.4	240	480	10.300	013500643
11	280	200	25.4	18.2	240	500	12.140	013500644
11	315	110	28.6	10	210	310	8.250	013500646
11	315	140	28.6	12.7	260	440	12.090	013500647
11	315	160	28.6	14.6	260	460	12.980	013500648
11	315	180	28.6	16.4	260	480	12.600	013500649
11	315	200	28.6	18.2	260	500	13.800	013500650
11	315	225	28.6	20.5	260	525	16.190	013500651
11	355	110	32.2	10	230	310	10.360	013500653
11	355	140	32.2	12.7	280	440	15.090	013500654
11	355	160	32.2	14.6	280	460	16.140	013500655
11	355	180	32.2	16.4	280	480	17.240	013500656
11	355	200	32.2	18.2	280	500	18.380	013500657
11	355	225	32.2	20.5	280	525	19.900	013500658
11	355	250	32.2	22.7	280	550	21.500	013500659
11	400	140	36.3	12.7	300	440	18.930	013500661
11	400	160	36.3	14.6	300	460	20.180	013500662
11	400	180	36.3	16.4	300	480	21.480	013500663
11	400	200	36.3	18.2	300	500	22.830	013500664
11	400	225	36.3	20.5	300	525	24.610	013500665
11	400	250	36.3	22.7	300	550	26.480	013500666
11	400	280	36.3	25.4	300	580	28.870	013500667
11	450	140	40.9	12.7	325	440	23.680	013500668
11	450	160	40.9	14.6	325	460	25.160	013500669

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
11	450	180	40.9	16.4	325	480	26.720	013500670
11	450	200	40.9	18.2	325	500	28.330	013500671
11	450	225	40.9	20.5	325	525	30.450	013500672
11	450	250	40.9	22.7	325	550	32.650	013500673
11	450	280	40.9	25.4	325	580	35.450	013500674
11	500	160	45.4	14.6	350	460	30.710	013500676
11	500	180	45.4	16.4	350	480	32.530	013500677
11	500	200	45.4	18.2	350	500	34.430	013500678
11	500	225	45.4	20.5	350	525	36.900	013500679
11	500	250	45.4	22.7	350	550	39.470	013500680
11	500	280	45.4	25.4	350	580	42.720	013500681
11	500	315	45.4	28.6	350	615	46.670	013500682
17.6	90	50	5.1	2.9	95	265	0.363	013500340
17.6	110	50	6.3	2.9	105	250	0.529	013500341
17.6	110	63	6.3	3.6	105	265	0.574	013500342
17.6	125	50	7.1	2.9	115	265	0.669	013500344
17.6	125	63	7.1	3.6	115	275	0.723	013500345
17.6	125	75	7.1	4.3	115	290	0.767	013500346
17.6	140	63	8.0	3.6	120	265	0.895	013500348
17.6	140	75	8.0	4.3	120	275	0.943	013500349
17.6	140	90	8.0	5.1	130	290	1.010	013500584
17.6	160	63	9.1	3.6	130	265	1.150	013500350
17.6	160	75	9.1	4.3	130	275	1.200	013500351
17.6	160	90	9.1	5.1	130	290	1.290	013500586
17.6	160	110	9.1	6.3	130	310	1.410	013500587
17.6	180	75	10.2	4.3	140	290	1.500	013500352
17.6	180	90	10.2	5.1	140	310	1.600	013500588
17.6	180	110	10.2	6.3	190	440	1.740	013500589
17.6	200	75	11.4	4.3	150	275	1.850	013500354
17.6	200	90	11.4	5.1	200	460	1.960	013500590
17.6	200	110	11.4	6.3	200	440	2.120	013500591
17.6	200	140	11.4	8	150	290	3.040	013500355
17.6	225	75	12.8	4.3	165	275	2.320	013500357
17.6	225	90	12.8	5.1	215	460	2.460	013500592
17.6	225	110	12.8	6.3	215	480	2.660	013500593
17.6	250	90	14.2	5.1	225	500	3.000	013500594
17.6	250	110	14.2	6.3	175	290	3.230	013500595
17.6	250	140	14.2	8	225	440	4.600	013500361
17.6	280	90	15.9	5.1	190	290	3.740	013500596
17.6	280	110	15.9	6.3	190	310	4.020	013500597
17.6	280	140	15.9	8	240	440	5.560	013500364
17.6	280	160	15.9	9.1	240	460	5.840	013500365
17.6	280	180	15.9	10.2	240	480	6.390	013500366
17.6	280	200	15.9	11.4	240	500	6.500	013500367
17.6	315	110	17.9	6.3	210	310	5.320	013500598
17.6	315	140	17.9	8	260	525	7.230	013500369
17.6	315	160	17.9	9.1	260	440	7.330	013500113
17.6	315	180	17.9	10.2	260	460	7.670	013500370
17.6	315	200	17.9	11.4	260	500	8.010	013500371
17.6	315	225	17.9	12.8	260	525	8.860	013500372
17.6	355	110	20.1	6.3	230	310	6.380	013500600
17.6	355	140	20.1	8	280	500	8.810	013500374
17.6	355	160	20.1	9.1	280	525	9.220	013500375
17.6	355	180	20.1	10.2	280	440	9.620	013500376
17.6	355	200	20.1	11.4	280	550	10.000	013500377
17.6	355	225	20.1	12.8	280	460	10.500	013500378
17.6	355	250	20.1	14.2	290	580	11.100	013500379
17.6	400	140	22.7	8	300	440	11.100	013500381
17.6	400	160	22.7	9.1	300	460	11.600	013500382
17.6	400	180	22.7	10.2	300	480	12.100	013500383
17.6	400	200	22.7	11.4	300	500	12.700	013500384
17.6	400	225	22.7	12.8	300	525	13.200	013500385
17.6	400	250	22.7	14.2	300	550	13.900	013500386
17.6	400	280	22.7	15.9	300	580	14.600	013500387
17.6	450	140	25.5	8	325	440	14.100	013500599
17.6	450	160	25.5	9.1	325	460	14.700	013500389
17.6	450	180	25.5	10.2	325	480	15.300	013500390
17.6	450	200	25.5	11.4	325	500	15.900	013500391
17.6	450	225	25.5	12.8	325	525	16.700	013500392
17.6	450	250	25.5	14.2	325	550	17.400	013500393
17.6	450	280	25.5	15.9	325	580	18.300	013500394
17.6	500	160	28.4	9.1	350	460	18.100	013500396
17.6	500	180	28.4	10.2	350	480	18.900	013500397
17.6	500	200	28.4	11.4	350	500	19.600	013500398
17.6	500	225	28.4	12.8	350	525	20.500	013500399
17.6	500	250	28.4	14.2	350	550	21.400	013500400
17.6	500	280	28.4	15.9	350	580	22.600	013500401
17.6	500	315	28.4	17.9	350	615	23.800	013500402
17.6	560	180	28.4	22.7	380	655	23.600	013500404
17.6	560	200	31.7	10.2	380	480	24.500	013500405
17.6	560	225	31.7	11.4	380	500	25.600	013500406
17.6	560	250	31.7	12.8	380	525	26.800	013500407
17.6	560	280	31.7	15.9	380	550	28.200	013500408
17.6	560	315	31.7	17.9	380	580	29.800	013500409

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	z1 (mm)	Length (mm)	kg/piece	Art. No.
17.6	630	200	35.7	11.4	415	500	31.000	013500412
17.6	630	225	35.7	12.8	415	525	32.400	013500413
17.6	630	250	35.7	14.2	415	550	33.900	013500414
17.6	630	280	35.7	15.9	415	580	35.600	013500415
17.6	630	315	35.7	17.9	415	615	37.700	013500416

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PP Tees with reduced branch with internal thread



Product details:

- grey - RAL 7032
- fabricated from pipe SDR 17.6, for butt and electrofusion welding, saddlemounted
- welded tees without reinforcement: max. pressure load 6 bar
- DIN EN ISO 15494/C

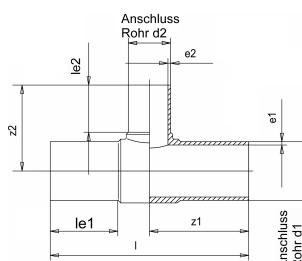
Product image for illustration purposes only.

d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	di (mm)	Art. No.
50	2.9	50	6	300	0.155	1/2 "	010300308
63	3.6	56	6	300	0.226	1/2 "	010300309
63	3.6	56	6	300	0.230	3/4 "	010300324
75	4.3	68	6	300	0.330	1 "	010300306
75	4.3	63	6	300	0.309	1/2 "	010300310
75	4.3	63	6	300	0.380	3/4 "	010300325
90	5.1	80	6	300	0.470	1 1/4 "	010300300
90	5.1	75	6	300	0.450	1 "	010300307
90	5.1	70	6	300	0.363	1/2 "	010300311
90	5.1	70	6	300	0.430	3/4 "	010300326
110	6.3	95	6	300	0.670	1 1/2 "	010300290
110	6.3	90	6	300	0.670	1 1/4 "	010300301
110	6.3	100	6	300	0.712	2 "	010300316
110	6.3	80	6	300	0.625	1/2 "	010300509
110	6.3	80	6	300	0.630	3/4 "	010300527
110	6.3	85	6	300	0.650	1 "	010300545
125	7.1	102	6	300	0.840	1 1/2 "	010300291
125	7.1	97	6	300	0.840	1 1/4 "	010300302
125	7.1	107	6	300	0.880	2 "	010300317
125	7.1	87	6	300	0.793	1/2 "	010300510
125	7.1	87	6	300	0.800	3/4 "	010300528
125	7.1	92	6	300	0.810	1 "	010300546
140	8.0	112	6	300	1.040	1 1/2 "	010300292
140	8.0	107	6	300	1.030	1 1/4 "	010300303
140	8.0	117	6	300	1.075	2 "	010300318
140	8.0	95	6	300	0.988	1/2 "	010300511
140	8.0	95	6	300	0.990	3/4 "	010300529
140	8.0	100	6	300	1.010	1 "	010300547
160	9.1	120	6	300	1.320	1 1/2 "	010300293
160	9.1	125	6	300	1.366	2 "	010300319
160	9.1	105	6	300	1.280	1/2 "	010300512
160	9.1	105	6	300	1.280	3/4 "	010300530
160	9.1	110	6	300	1.300	1 "	010300548
160	9.1	115	6	300	1.330	1 1/4 "	010300563
180	10.2	130	6	300	1.650	1 1/2 "	010300294
180	10.2	135	6	300	1.690	2 "	010300320
180	10.2	115	6	300	1.610	1/2 "	010300513
180	10.2	115	6	300	1.610	3/4 "	010300531
180	10.2	120	6	300	1.620	1 "	010300549
180	10.2	125	6	300	1.650	1 1/4 "	010300564
200	11.4	140	6	300	2.020	1 1/2 "	010300295
200	11.4	145	6	300	2.060	2 "	010300321
200	11.4	125	6	300	1.980	1/2 "	010300514
200	11.4	125	6	300	1.990	3/4 "	010300532
200	11.4	130	6	300	2.010	1 "	010300550
200	11.4	135	6	300	2.020	1 1/4 "	010300565
225	12.8	152	6	300	2.530	1 1/2 "	010300296
225	12.8	157	6	300	2.610	2 "	010300322
225	12.8	137	6	300	2.520	1/2 "	010300515
225	12.8	137	6	300	2.500	3/4 "	010300533
225	12.8	142	6	300	2.510	1 "	010300551
225	12.8	147	6	300	2.540	1 1/4 "	010300566
250	14.2	170	6	300	3.140	2 "	010300498
250	14.2	150	6	300	3.060	1/2 "	010300516

d (mm)	e (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	di (mm)	Art. No.
250	14.2	150	6	300	3.100	3/4 "	010300534
250	14.2	155	6	300	3.100	1 "	010300552
250	14.2	160	6	300	3.100	1 1/4 "	010300567
250	14.2	165	6	300	3.100	1 1/2 "	010300578
280	15.9	180	6	300	3.890	2 "	010300499
280	15.9	165	6	300	3.810	1/2 "	010300517
280	15.9	165	6	300	3.900	3/4 "	010300535
280	15.9	170	6	300	3.830	1 "	010300553
280	15.9	170	6	300	3.850	1 1/4 "	010300568
280	15.9	175	6	300	3.850	1 1/2 "	010300579
315	17.9	202	6	300	4.910	2 "	010300500
315	17.9	182	6	300	4.830	1/2 "	010300518
315	17.9	182	6	300	4.900	3/4 "	010300536
315	17.9	187	6	300	4.850	1 "	010300554
315	17.9	192	6	300	4.870	1 1/4 "	010300569
315	17.9	197	6	300	4.870	1 1/2 "	010300580
355	20.1	222	6	300	6.200	2 "	010300501
355	20.1	202	6	300	6.120	1/2 "	010300519
355	20.1	202	6	300	6.120	3/4 "	010300537
355	20.1	207	6	300	6.140	1 "	010300555
355	20.1	212	6	300	6.160	1 1/4 "	010300570
355	20.1	217	6	300	6.160	1 1/2 "	010300581
400	22.7	245	6	300	10.390	2 "	010300502
400	22.7	225	6	300	10.310	1/2 "	010300520
400	22.7	225	6	300	10.400	3/4 "	010300538
400	22.7	230	6	400	10.330	1 "	010300556
400	22.7	235	6	400	10.350	1 1/4 "	010300571
400	22.7	240	6	400	10.350	1 1/2 "	010300582
450	25.5	270	6	400	13.110	2 "	010300503
450	25.5	250	6	400	13.100	1/2 "	010300521
450	25.5	250	6	400	13.100	3/4 "	010300539
450	25.5	255	6	400	13.100	1 "	010300557
450	25.5	260	6	400	13.100	1 1/4 "	010300572
450	25.5	265	6	400	13.100	1 1/2 "	010300583
500	28.4	295	6	400	16.150	2 "	010300504
500	28.4	275	6	400	16.100	1/2 "	010300522
500	28.4	275	6	400	16.100	3/4 "	010300540
500	28.4	280	6	400	16.100	1 "	010300558
500	28.4	285	6	400	16.100	1 1/4 "	010300573
500	28.4	290	6	400	16.110	1 1/2 "	010300584
560	31.7	325	6	400	20.230	2 "	010300505
560	31.7	305	6	400	20.200	1/2 "	010300523
560	31.7	305	6	400	20.200	3/4 "	010300541
560	31.7	310	6	400	20.200	1 "	010300559
560	31.7	315	6	400	20.200	1 1/4 "	010300574
560	31.7	320	6	400	20.200	1 1/2 "	010300585
630	35.7	360	6	400	25.590	2 "	010300506
630	35.7	340	6	400	25.510	1/2 "	010300524
630	35.7	340	6	400	25.600	3/4 "	010300542
630	35.7	345	6	400	25.600	1 "	010300560
630	35.7	350	6	400	25.600	1 1/4 "	010300575
630	35.7	355	6	400	25.600	1 1/2 "	010300586
710	40.2	400	6	400	40.510	2 "	010300507
710	40.2	380	6	400	40.430	1/2 "	010300525
710	40.2	380	6	400	40.500	3/4 "	010300543
710	40.2	385	6	500	40.450	1 "	010300561
710	40.2	390	6	500	40.470	1 1/4 "	010300576
710	40.2	395	6	500	40.500	1 1/2 "	010300587
800	45.3	445	6	500	51.610	2 "	010300508
800	45.3	425	6	500	51.530	1/2 "	010300526
800	45.3	425	6	500	51.600	3/4 "	010300544
800	45.3	430	6	500	51.600	1 "	010300562
800	45.3	435	6	500	51.600	1 1/4 "	010300577
800	45.3	440	6	500	51.600	1 1/2 "	010300588

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PP Tees with reduced branch, injected



Product details:

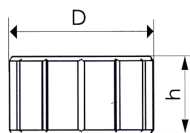
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.
11	63	50	5.8	4.6	63	56	108	103	215	0.300	013500143
11	75	50	6.8	4.6	70	56	127	113	253	0.540	013500331
11	75	63	6.8	5.8	70	63	128	117	255	0.560	013500144
11	90	63	8.2	5.8	82	66	141	127	282	0.790	013500578
11	90	75	8.2	6.8	73	68	136	138	280	0.800	013500145
11	110	63	10.0	5.8	88	68	164	149	328	1.345	013500332
11	110	75	10.0	6.8	86	70	159	151	320	1.250	013500146
11	110	90	10.0	8.2	86	79	159	158	320	1.440	013500333
11	125	90	11.4	8.2				170	340	1.660	022300039
11	125	110	11.4	10	90	83	171	170	341	1.860	013500334
11	160	63	14.6	5.8	105	65	208	170	416	3.440	013500147
11	160	75	14.6	6.8	98	74	172	180	343	2.560	013500335
11	160	90	14.6	8.2	104	83	206	190	412	3.685	013500579
11	160	110	14.6	10	104	89	207	200	414	3.685	013500580
11	180	90	16.4	8.2				200	427	4.360	022300036
11	180	110	16.4	10				225	464	4.640	022300041
11	200	63	18.2	5.8	122	63	250	190	500	5.700	022300161
11	200	90	18.2	5.1	122	79	250	207	498	6.550	022300162
11	200	110	18.2	6.3	122	82	250	215	500	7.040	022300163
11	200	160	18.2	9.1	122	98	250	234	500	8.300	013500337
11	225	75	20.5	6.8	120	70	276	227	555	6.400	013500338
11	225	90	20.5	8.2	129	82	278	228	556	9.380	013500148
11	225	110	20.5	10	130	86	278	238	556	6.600	013500581
11	225	160	20.5	14.6	130	109	280	258	560	10.000	013500582
11	225	180	20.5	16.4	120	105	276	280	560	10.450	013500339
11	315	110	28.6	10	150	82	346	277	695	15.280	022300166
11	315	160	28.6	14.6	150	102	346	290	695	16.600	022300167
11	315	225	28.6	20.5				335	650	24.820	022300043
11	315	250	28.6	22.7	150	130	346	325	695	21.000	022300168

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PP Union nut, injected



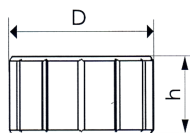
Product details:

- grey - RAL 7032
- injected, union with conical thread R (acc. to DIN EN 10226/1)
- Individual part of union, see page 45. Cannot be combined with products of other manufacturers.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	R (")	PN (bar)	kg/piece	Art. No.
11	20	1.9	1/2	12	0.030	023500013
11	25	2.3	3/4	12	0.030	023500014
11	32	2.9	1	12	0.060	023500015
11	40	3.7	1 1/4	12	0.090	023500016
11	50	4.6	1 1/2	12	0.140	023500017
11	63	5.8	2	12	0.230	023500018

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PP Union nut, injected, for socket welding



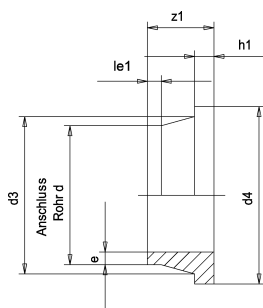
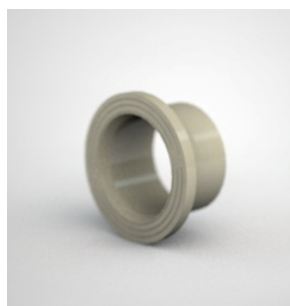
Product details:

- grey - RAL 7032
- injected, union with conical thread R (acc. to DIN EN 10226/1)
- Individual part of union, see page 87. Cannot be combined with products of other manufacturers.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	R (")	PN (bar)	kg/piece	Art. No.
11	20	1.9	1	12	0.030	023500025
11	25	2.3	1 1/4	12	0.040	023500026
11	32	2.9	1 1/2	12	0.060	023500027
11	40	3.7	2	12	0.090	023500028
11	50	4.6	2 1/4	12	0.130	023500029
11	63	5.8	2 3/4	12	0.230	023500030

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PP Stub flanges for loose flange ISO/DIN, injected



Product details:

- grey - RAL 7032
- injected, for butt welding
- DIN EN ISO 15494/C

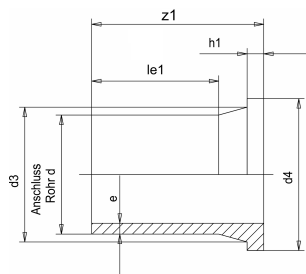
Product image for illustration purposes only.

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.
11	20	1.9	27	46	29	52	8	10	PP-H	0.018	010600222
11	25	2.3	32	59	27	52	10	10	PP-H	0.033	010600223
11	32	2.9	40	68	26	50	10	10	PP-H	0.044	010600224
11	40	3.7	49	78	24	52	11	10	PP-H	0.065	010600225
11	50	4.6	61	89	27	57	12	10	PP-H	0.085	010600226
11	63	5.8	75	102	25	60	14	10	PP-H	0.140	010600227
11	75	6.8	88	123	21	55	16	10	PP-H	0.200	010013629
11	90	8.2	105	138	43	80	17	10	PP-H	0.315	010013630
11	110	10.0	125	158	37	80	18	10	PP-H	0.440	010013613
11	125	11.4	132	158	35	80	25	10	PP-H	0.540	010021383
11	140	12.7	155	188	39	83	25	10	PP-H	0.715	010021386
11	160	14.6	175	212	52	105	25	10	PP-H	1.120	010021389
11	180	16.4	186	212	65	127	30	10	PP-H	0.920	010021391
11	200	18.2	232	268	50	123	32	10	PP-H	2.160	010021394
11	225	20.5	235	268	65	127	32	10	PP-H	2.165	010021397
11	250	22.7	285	320	51	121	35	10	PP-R	2.915	010600196
11	280	25.4	291	320	69	119	35	10	PP-R	2.900	010600199
11	315	28.6	335	370	86	168	35	10	PP-R	5.525	010600202
11	355	32.2	373	430	90	180	40	10	PP-R	7.730	010600205
11	400	36.3	427	482	95	195	46	10	PP-R	10.485	010600208
11	450	40.9	514	585	60	139	60	10	PP-R	13.350	010600210
11	500	45.4	530	585	60	138	60	10	PP-R	12.730	010600212
17.6	50	2.9	61	88	27	57	12	6	PP-H	0.076	010600413
17.6	63	3.6	75	102	25	60	14	6	PP-H	0.122	010600414
17.6	75	4.3	89	123	20	54	16	6	PP-H	0.180	010013631
17.6	90	5.1	105	138	43	80	17	6	PP-H	0.270	010013632
17.6	110	6.3	125	158	37	80	18		PP-H	0.377	010013633
17.6	125	7.1	132	158	45	88	18	6	PP-H	0.380	010021382
17.6	140	8.0	155	188	39	83	18	6	PP-H	0.510	010021385
17.6	160	9.1	175	212	52	100	18	6	PP-H	0.745	010021388
17.6	180	10.2	186	212	62	83	20	6	PP-H	0.650	010021390
17.6	200	11.4	233	268	58	121	24	6	PP-H	1.756	010021393
17.6	225	12.8	235	268	65	121	24	6	PP-H	1.460	010021396
17.6	250	14.2	285	320	61	120	25	6	PP-R	2.170	010600195
17.6	280	15.9	291	321	69	119	25	6	PP-R	1.975	010600198
17.6	315	17.9	335	370	86	168	25	6	PP-R	3.600	010600201
17.6	355	20.1	373	430	99	184	30	6	PP-R	5.400	010600204
17.6	400	22.7	427	482	98	195	33	6	PP-R	7.120	010600207
17.6	450	25.5	514	585	60	142	46	6	PP-R	10.700	010600209
17.6	500	28.4	530	585	60	138	46	6	PP-R	9.195	010600211
17.6	560	31.7	615	685	60	139	50	6	PP-R	13.150	010600213
17.6	630	35.7	642	685	60	140	50	6	PP-R	11.685	010600214
17.6	800	45.3	840	905	60	150	54	6	PP-R	19.000	010600371
33	110	3.4	125	158	37	80	18	3.2	PP-H	0.305	010013634
33	125	3.9	132	158	32	80	18	3.2	PP-R	0.296	010600362
33	140	4.3	155	189	37	81	18	3.2	PP-R	0.390	010600180
33	160	4.9	175	212	40	83	18	3.2	PP-H	0.680	010021387
33	180	5.5	186	212	45	80	18	3.2	PP-R	0.515	010600363
33	200	6.2	232	268	58	121	18	3.2	PP-H	1.400	010021392
33	225	6.9	235	268	65	121	19	3.2	PP-R	0.940	010600191
33	250	7.7	285	320	58	120	20	3.2	PP-R	1.360	010600194
33	280	8.6	291	320	70	119	20	3.2	PP-R	1.315	010600197
33	315	9.7	335	370	86	164	20	3.2	PP-R	2.485	010600200
33	355	10.9	373	430	98	182	24	3.2	PP-R	3.560	010600203

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.
33	400	12.3	427	482	95	195	26	3.2	PP-R	4.970	010600206
33	450	13.8	514	585	60	139	33	3.2	PP-R	7.350	010600364
33	500	15.3	530	585	60	138	38	3.2	PP-R	6.645	010600365
33	560	17.2	615	685	60	139	40	3.2	PP-R	8.195	010600366
33	630	19.3	642	685	70	140	40	3.2	PP-R	9.315	010600367

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PP Stub flanges for loose flange ISO/DIN



Product details:

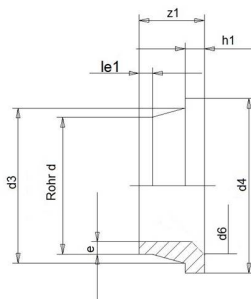
- grey - RAL 7032
- injected, with elongated spigot, for butt welding, IR- and electrofusion welding
- SDR 17.6 on request
- DIN EN ISO 15494/C

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.
11	32	2.9	40	68	62	86	10	10	PP-H	0.056	019400247
11	40	3.7	50	78	62	89	11	10	PP-H	0.080	019400248
11	50	4.6	60	88	62	90	12	10	PP-H	0.135	019400249
11	63	5.8	75	105	70	106	14	10	PP-H	0.200	019400250
11	75	6.8	91	123	97	133	16	10	PP-H	0.310	019400251
11	90	8.2	105	138	100	140	17	10	PP-H	0.450	019400252
11	110	10.0	125	158	113	160	18	10	PP-H	0.700	019400253
11	125	11.4	132	158	136	188	25	10	PP-H	0.860	010021401
11	140	12.7	155	188	130	182	25	10	PP-R	1.225	019400180
11	160	14.6	175	212	155	208	25	10	PP-H	1.820	010021403
11	180	16.4	186	212	168	200	30	10	PP-H	1.960	010021405
11	200	18.2	232	268	128	201	32	10	PP-H	3.015	010021407
11	225	20.5	235	268	135	201	32	10	PP-H	3.080	010021409
11	250	22.7	285	320	140	220	35	10	PP-R	4.800	019400197
11	280	25.4	291	320	145	231	35	10	PP-R	5.175	019400243
11	315	28.6	335	370	155	244	36	10	PP-R	7.140	019400201

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PP Stub flanges for loose flange ISO/DIN, with chamfer, injected



Product details:

- grey - RAL 7032
- injected, for butt welding
- With turned chamfer corresponding to valve disc exit dimensions; other SDR series on request.
- DIN EN ISO 15494/C

Product image for illustration purposes only.

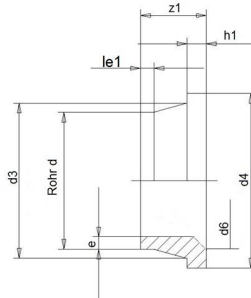
SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	d _k	Material	kg/piece	Art. No.
11	110	10.0	125	158	37	80	18	10	*	PP-H	0.470	010022327
11	125	11.4	158	188	35	80	25	10	*	PP-H	0.590	010022328
11	140	12.7	155	188	39	83	25	10	*	PP-H	0.750	010022329
11	160	14.6	175	212	52	105	25	10	*	PP-H	0.980	010022334
11	180	16.4	186	212	52	83	30	10	*	PP-H	0.995	010022335
11	200	18.2	233	268	50	123	32	10	*	PP-H	2.270	010022336
11	225	20.5	235	268	55	121	32	10	*	PP-H	2.250	010022333

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PP Stub flanges for loose flange ISO/DIN, with chamfer, injected



Product image for illustration purposes only.



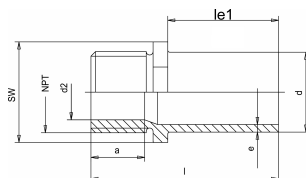
Product details:

- grey - RAL 7032
- injected, for butt welding
- * Please contact our Sales/Applications Technology department prior to placing your order and specify the type of valve.
- DIN EN ISO 15494/C

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	d _k	Material	kg/piece	Art. No.
11	250	22.7	285	320	51	121	35	10	*	PP-R	3.185	010022337
11	280	25.4	291	320	69	119	35	10	*	PP-R	3.125	010022338
11	315	28.6	335	370	86	168	35	10	*	PP-R	5.560	010022339
11	355	32.2	373	430	90	180	40	10	*	PP-R	8.120	010022340
11	400	36.3	427	482	95	195	46	10	*	PP-R	11.175	010022341
11	450	40.9	514	585	60	139	60	10	*	PP-R	14.310	010022342
11	500	45.4	530	585	60	138	60	10	*	PP-R	13.530	010022343

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PVDF Adaptors with threaded male end NPT



Product details:

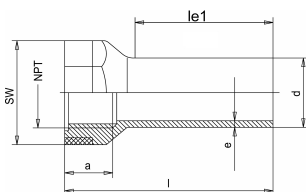
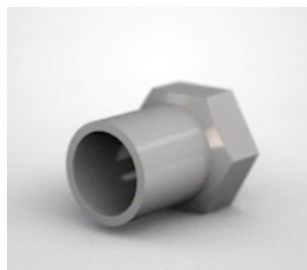
- natural
- injected, for IR-/butt welding
- with conical threaded male end NPT, do not use thread lubricants or sealing pastes that may damage PVDF, avoid stresses during installation as well as major temperature fluctuations, double-layer PTFE tape recommended as sealant
- ISO 10931

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	NPT (")	PN (bar)	SW (mm)	Length (mm)	Gewinde	kg/piece	Art. No.
21	20	1.9	28	1/2"	16	32	53	Male thread NPT	0.017	020000019
21	25	1.9	28	3/4"	16	36	55	Male thread NPT	0.022	020000020
21	32	2.4	28	1"	16	46	57	Male thread NPT	0.042	020000021
21	40	2.4	28	1 1/4"	16	55	60	Male thread NPT	0.060	020000022
21	50	3.0	28	1 1/2"	16	65	63	Male thread NPT	0.097	020000023
21	63	3.0	29	2"	16	75	69	Male thread NPT	0.133	020000024

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PVDF Adaptors with threaded female end



Product image for illustration purposes only.

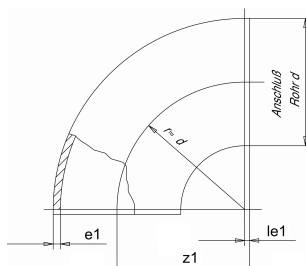
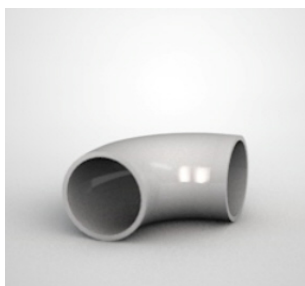
Product details:

- natural
- injected, with elongated spigot, for IR-/butt welding
- with conical threaded female end NPT, with cylindric threaded female end Rp (acc. to DIN EN 10226/1), do not use thread lubricants or sealing pastes that may damage PVDF, avoid stresses during installation as well as major temperature fluctuations, double-layer PTFE tape recommended as sealant
- ISO 10931

SDR	d (mm)	e (mm)	le1 (mm)	RP (")	PN (bar)	SW (mm)	Length (mm)	Gewinde	kg/piece	Art. No.
21	20	1.9	23	1/2	16	32	49	Female thread Rp	0.023	019900019
21	20	1.9	28		16	32	49		0.034	019900025
21	25	1.9	23	3/4	16	36	51	Female thread Rp	0.032	019900020
21	25	1.9	28		16	36	51		0.038	019900026
21	32	2.4	23	1	16	46	54	Female thread Rp	0.060	019900021
21	32	2.4	28		16	46	54		0.060	019900027
21	40	2.4	23	1 1/4	16	55	56	Female thread Rp	0.085	019900022
21	40	2.4	28		16	55	57		0.086	019900028
21	50	3.0	23	1 1/2	16	65	60	Female thread Rp	0.108	019900023
21	50	3.0	28		16	65	60		0.106	019900029
21	63	3.0	24	2	16	75	64	Female thread Rp	0.180	019900024
21	63	3.0	29		16	75	64		0.183	019900030

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PVDF Bends 90°, short spigots



Product details:

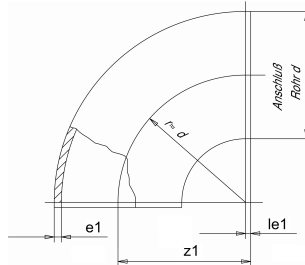
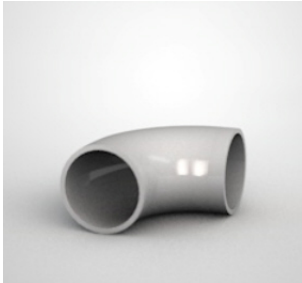
- natural
- injected ($r \sim d$), for IR-/butt welding
- ISO 10931

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
21	20	1.9	18	38	16	90	0.008	010100513
21	25	1.9	18	43	16	90	0.014	010100514
21	32	2.4	22	54	16	90	0.025	010100515
21	40	2.4	22	62	16	90	0.041	010100516
21	50	3.0	22	72	16	90	0.074	010100517
21	63	3.0	22	86	16	90	0.116	010100518

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PVDF Bends 90° for IR-/butt welding



Product details:

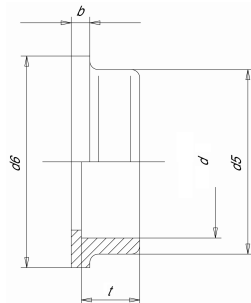
- natural
- injected ($r \sim d$), for IR-/butt welding
- ISO 10931

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
21	75	3.6	23	75	16	90	0.280	010102954
21	90	4.3	23	90	16	90	0.520	010102938
21	110	5.3	23	110	16	90	0.650	010102940
21	140	6.7				90	1.600	010102944
21	160	7.7				90	2.060	010102946
21	200	9.6				90	3.800	010102948
21	225	10.8				90	5.280	010102950
33	90	2.8	23	90	10	90	0.360	010102937
33	110	3.4	23	110	10	90	0.578	010102939
33	125	3.9	28	125	10	90	0.710	010102941
33	140	4.3	33	140	10	90	0.960	010102943
33	160	4.9	33	160	10	90	1.560	010102945
33	200	6.2	33	200	10	90	3.120	010102947
33	225	6.9	33	220	10	90	3.952	010102949

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PVDF Stub flanges for socket welding for loose flanges ANSI



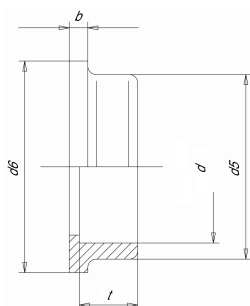
Product details:

- natural
- injected, for socket welding
- serrated flange face

d (mm)	d5 (mm)	d6 (mm)	b (mm)	Nenndruck	t (mm)	PN (bar)	kg/piece	Art. No.
20	26	44	10	16	14.5	16	0.030	015600037
25	32	54	10	16	16	16	0.043	015600054
32	39	63	10	16	18	16	0.055	015600038
40	48	73	11	16	20.5	16	0.092	015600055
50	60	82.5	12	16	23.5	16	0.120	015600056
63	75	101	14	16	27.5	16	0.178	015600039

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PVDF Stub flanges for socket welding for loose flanges ISO/DIN



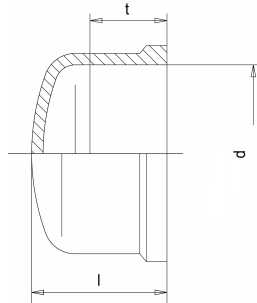
Product details:

- natural
- injected, for socket welding for flat gaskets
- serrated flange face
- ISO 10931

d (mm)	d5 (mm)	d6 (mm)	b (mm)	t (mm)	PN (bar)	kg/piece	Art. No.
20	27	45	10	14.5	16	0.030	015600028
25	33	58	10	16	16	0.050	015600029
32	41	68	10	18	16	0.068	015600030
40	50	78	11	20.5	16	0.096	015600031
50	61	88	12	23.5	16	0.130	015600032
63	76	102	14	27.5	16	0.184	015600033
75	90	106	10	30	16	0.175	015600034
90	109	125	11	33	16	0.300	015600035
110	131	150	12	37	16	0.485	015600036

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PVDF End caps



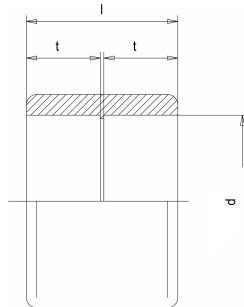
Product details:

- natural
- injected, for socket welding
- ISO 10931

d (mm)	e (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20		14	16	23	0.020	020600033
25		16	16	26	0.028	020600034
32	4.4	18	16	30	0.029	020600035
40		20	16	34	0.042	020600036
50		23	16	39	0.075	020600037
63		27	16	46	0.130	020600038

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PVDF Sockets



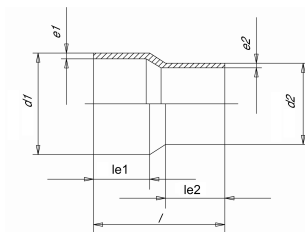
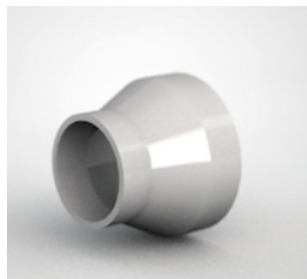
Product details:

- natural
- injected, for socket welding
- ISO 10931

d (mm)	e (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20		14	16	35	0.019	014200045
25		16	16	39	0.038	014200046
32	4.2	18	16	43	0.040	014200047
40		20	16	48	0.087	014200048
50		23	16	54	0.110	014200049
63		27	16	62	0.242	014200050

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PVDF Reducers concentric for IR-/butt welding



Product details:

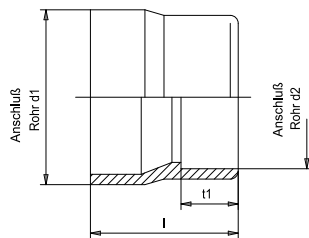
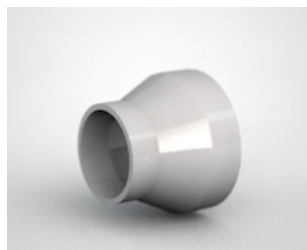
- natural
- injected, with elongated spigots, for IR-/butt welding, Execution SDR 33/21: d1= SDR 33, d2= SDR 21
- ISO 10931

Product image for illustration purposes only.

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.
21	25	20	1.9	1.9	22	22	50	0.015	014901346
21	32	20	2.4	1.9	22	22	50	0.015	014901348
21	32	25	2.4	1.9	22	22	50	0.016	014901347
21	40	20	2.4	1.9	22	24	58	0.020	014901351
21	40	25	2.4	1.9	22	24	55	0.028	014901350
21	40	32	2.4	2.4	22	24	55	0.026	014901349
21	50	25	3.0	1.9	22	25	60	0.031	014901401
21	50	32	3.0	2.4	22	25	60	0.048	014901400
21	50	40	3.0	2.4	22	25	60	0.040	014901399
21	63	32	3.0	2.4	22	25	65	0.064	014901404
21	63	40	3.0	2.4	22	25	65	0.066	014901403
21	63	50	3.0	3	22	25	65	0.060	014901402
21	75	40	3.6	2.4	24	25	68	0.092	014901407
21	75	50	3.6	3	24	25	65	0.096	014901406
21	75	63	3.6	3	24	25	65	0.080	014901405
21	90	63	4.3	3	25	30	75	0.130	014901422
21	90	75	4.3	3.6	25	35	75	0.180	014901408
21	110	63	3.4	3	30	30	90	0.213	014901423
21	110	75	5.3	3.6	30	35	90	0.270	014901411
21	110	90	3.4	4.3	30	35	90	0.230	014901410
21	140	110		5.3				0.450	014901413
21	160	110		5.3				0.450	014901415
21	160	140		6.7				0.820	010005986
21	200	160		7.7				1.340	014901352
21	225	110		5.3				1.540	014901353
21	225	160		7.7				1.730	014901354
21	225	200		9.6				1.980	014901355
33	90	63	2.8	3	25	30	75	0.130	010006524
33	110	63	3.4	3	30	30	90	0.213	010006525
33	110	90	3.4	2.8	30	35	90	0.370	014901418
33	125	110	3.9	5.3	35	40	100	0.450	010006521
33	140	110	4.3	5.3	40	40	110	0.450	010006522
33	140	125	4.3	3.9	40	40	110	0.400	014901419
33	160	110	4.9	5.3	40	40	120	0.450	010006523
33	160	110	4.9	3.4	40	40	120	0.534	014901420
33	160	140	4.9	4.3	40	40	120	0.460	014901421
33	200	160	6.2	4.9	50	40	145	1.795	014901342
33	225	110	6.9	5.3	55	40	160	0.300	010006520
33	225	110	6.9	3.4	55	40	160	0.980	014901343
33	225	160	6.9	4.9	55	40	160	1.140	014901344
33	225	200	6.9	6.2	55	50	160	1.200	014901345

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PVDF Reducers concentric



Product details:

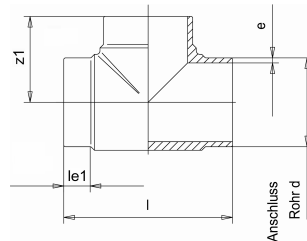
- natural
- injected, for socket welding
- multifunctional application, functional survey on the next page
- ISO 10931

Product image for illustration purposes only.

d1 (mm)	d2 (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
25	20	14	16	37	0.018	014901438
32	20	16	16	43	0.030	010006576
32	25	16	16	39	0.024	014901439
40	20	14	16	48	0.040	010006577
40	25	16	16	48	0.048	014901440
40	32	18	16	43	0.058	014901441
50	20	14	16	54	0.070	010006578
50	25	16	16	54	0.080	010006579
50	32	18	16	54	0.064	014901442
50	40	20	16	48	0.070	014901443
63	20	16	16	64	0.100	010006580
63	25	16	16	64	0.110	010006581
63	32	18	16	64	0.110	014901444
63	40	20	16	64	0.120	010006582
63	50	23	16	54	0.110	014901445

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PVDF Tees



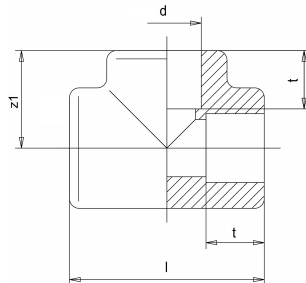
Product details:

- natural
- injected, for IR-/butt welding
- ISO 10931

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
21	20	1.9	25	38	16	76	0.021	010300957
21	25	1.9	27	42	16	84	0.029	010300958
21	32	2.4	27	46	16	92	0.057	010300959
21	40	2.4	28	51	16	102	0.088	010300960
21	50	3.0	28	58	16	116	0.155	010300961
21	63	3.0	28	66	16	132	0.275	010300962
21	75	3.6	32	75	16	150	0.370	010300963
21	90	4.3	39	90	16	180	0.660	010300965
21	110	5.3	48	110	16	220	1.210	010300967
21	140	6.7					2.600	010300983
21	160	7.7					3.500	010300985
21	200	9.6					7.500	010300986
33	90	2.8	39	90	10	180	0.397	010300964
33	110	3.4	48	110	10	220	0.714	010300966
33	125	3.9	56	125	10	250	1.280	010300981
33	140	4.3	62	140	10	280	1.780	010300982
33	160	4.9	71	160	10	320	2.570	010300984
33	200	6.2	80	200	10	400	4.810	010300993
33	225	6.9	86	220	10	440	7.250	010300987

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PVDF Tees



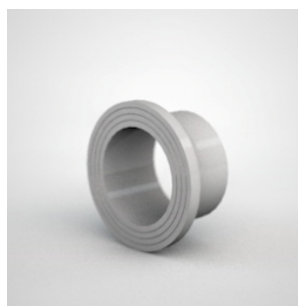
Product details:

- natural
- injected, for socket welding
- ISO 10931

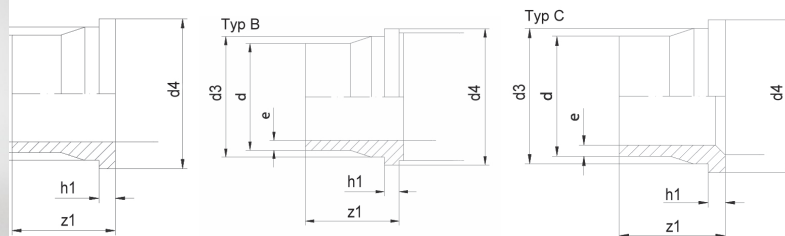
d (mm)	z1 (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20	28	14	16	56	0.034	020500053
25	32	16	16	64	0.054	020500054
32	38	18	16	76	0.117	020500055
40	44	20	16	88	0.135	020500056
50	51	23	16	102	0.326	020500057
63	62	27	16	124	0.360	020500058

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PVDF Stub flanges for loose flanges ISO/DIN



Product image for illustration purposes only.



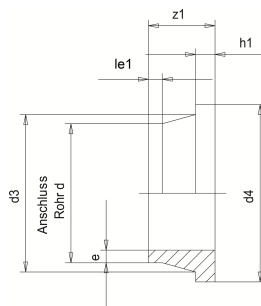
Product details:

- natural
- injected, for IR-/butt welding
- serrated flange face
- ISO 10931

SDR	d (mm)	e (mm)	d4 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.
21	20	1.9	45	54	6	16	0.030	010600942
21	25	1.9	58	56	7	16	0.044	010600943
21	32	2.4	68	58	7	16	0.072	010600944
21	40	2.4	78	68	8	16	0.093	010600945
21	50	3.0	88	69	8	16	0.120	010600946
21	63	3.0	102	72	9	16	0.187	010600947
21	75	3.6	122	80	10	16	0.298	010600948
21	90	4.3	138	81	12	16	0.400	010600950
21	110	5.3	158	81	13	16	0.540	010600952
21	140	6.7					0.847	010600955
21	160	7.7					1.200	010600957
21	200	9.6					1.900	010600959
21	225	10.8					2.000	010600961
33	90	2.8	138	81	12	10	0.370	010600949
33	110	3.4	158	81	13	10	0.480	010600951
33	125	3.9	158	82	14	10	0.620	010600953
33	140	4.3	188	90	16	10	0.710	010600954
33	160	4.9	212	93	17	10	1.080	010600956
33	200	6.2	268	102	22	10	1.600	010600958
33	225	6.9	268	102	22	10	1.700	010600960

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PVDF Stub flanges for loose flanges ANSI



Product image for illustration purposes only.

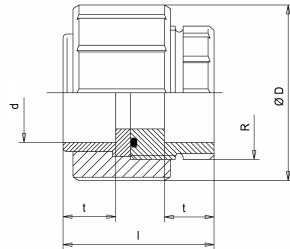
Product details:

- natural
- injected, for IR-/butt welding
- serrated flange face, stub flanges acc. to ISO/DIN can be used for the application of ANSI loose flanges with regard to dimensions that have not been listed and from d=110 mm

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Art. No.
21	25	1.9	32	54	20	50	9	16	019400371
21	32	2.4	39	63	26	50	10	16	019400372
21	50	3.0	60	82	23	50	12	16	019400374
21	90	4.3	102	133	40	80	17	16	019400375

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PVDF Unions



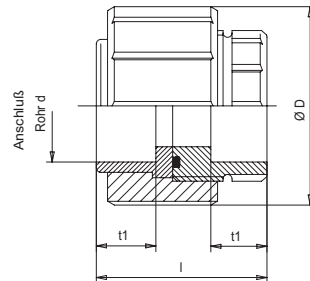
Product details:

- natural
- injected, with elongated spigot, for IR-/butt welding
- ISO 10931

SDR	d (mm)	e (mm)	R (")	PN (bar)	Length (mm)	kg/piece	Art. No.
21	20	1.9	1	16	106	0.080	019500033
21	25	1.9	1 1/4	16	112	0.130	019500034
21	32	2.4	1 1/2	16	118	0.175	019500035
21	40	2.4	2	16	124	0.262	019500036
21	50	3.0	2 1/4	16	130	0.370	019500037
21	63	3.0	2 3/4	16	136	0.578	019500038

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PVDF Unions



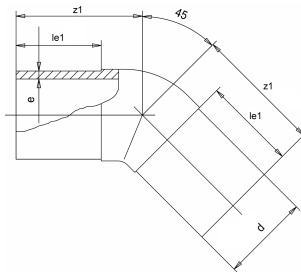
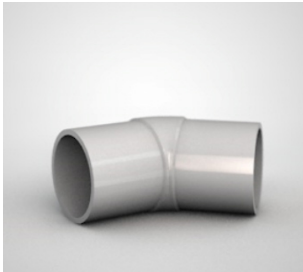
Product details:

- natural
- injected, for socket welding
- ISO 10931

d (mm)	t (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.
20	14	16	45	0.058	010700084
25	16	16	49	0.105	010700085
32	18	16	53	0.120	010700086
40	20	16	59	0.200	010700087
50	23	16	67	0.290	010700088
63	27	16	79	0.400	010700089

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PVDF Elbows 45°, injected, for IR-/butt welding



Product details:

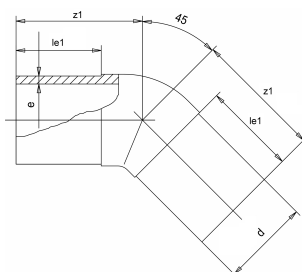
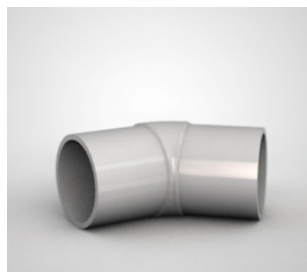
- natural
- injected, for IR-/butt welding
- ISO 10931

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
21	20	1.9	25	32	16	45	0.025	010200252
21	25	1.9	26	34	16	45	0.030	010200253
21	32	2.4	26	36	16	45	0.063	010200254
21	40	2.4	28	39	16	45	0.072	010200255
21	50	3.0	30	42	16	45	0.130	010200256
21	63	3.0	31	47	16	45	0.120	010200257
21	75	3.6	32	49	16	45	0.180	010200258
21	90	4.3	37	57	16	45	0.550	010200259
21	110	5.3	46	70	16	45	0.865	010200260
21	140	6.7				45	1.620	010200261
21	160	7.7				45	1.700	010200262
21	200	9.6				45		010200263
21	225	10.8				45		010200264
33	90	2.8	37	57	10	45	0.415	010200265
33	110	3.4	46	70	10	45	0.380	010200266
33	125	3.9	51	79	10	45	1.000	010200267
33	140	4.3	57	88	10	45	1.200	010200268
33	160	4.9	62	100	10	45	1.525	010200269
33	200	6.2	77	124	10	45	2.000	010200270
33	225	6.9	88	140	10	45	3.880	010200271

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PVDF Elbows 90°, injected, for IR-/butt welding



Product details:

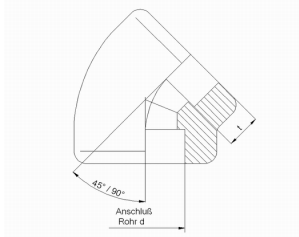
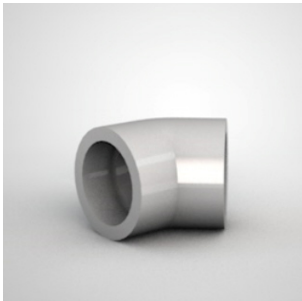
- natural
- injected, for IR-/butt welding
- ISO 10931

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
21	20	1.9	25	38	16	90	0.024	010200246
21	25	1.9	26	42	16	90	0.038	010200247
21	32	2.4	26	46	16	90	0.046	010200248
21	40	2.4	28	51	16	90	0.065	010200249
21	50	3.0	28	58	16	90	0.110	010200250
21	63	3.0	28	66	16	90	0.247	010200251

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PVDF Elbows 45°, injected, for socket welding



Product details:

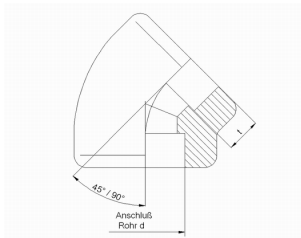
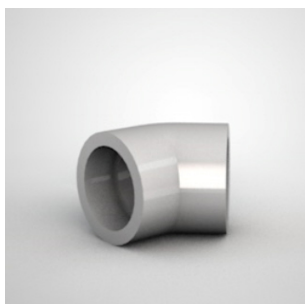
- natural
- injected, for socket welding
- ISO 10931

Product image for illustration purposes only.

d (mm)	t (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
20	14	16	45	0.035	010200282
25	16	16	45	0.047	010200283
32	18	16	45	0.052	010200284
40	20	16	45	0.135	010200285
50	23	16	45	0.125	010200286
63	27	16	45	0.250	010200287

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PVDF Elbows 90°, injected, for socket welding



Product details:

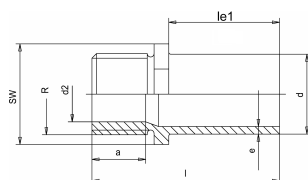
- natural
- injected, for socket welding
- ISO 10931

Product image for illustration purposes only.

d (mm)	t (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.
20	14	16	90	0.027	010200275
25	16	16	90	0.055	010200276
32	18	16	90	0.070	010200277
40	20	16	90	0.162	010200278
50	23	16	90	0.170	010200279
63	27	16	90	0.280	010200280

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PVDF Adaptors with threaded male end R



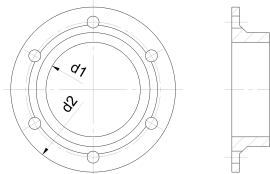
Product details:

- natural
- injected, for IR-/butt welding
- with conical threaded male end R (acc. to DIN EN 10226/1), do not use thread lubricants or sealing pastes that may damage PVDF, avoid stresses during installation as well as major temperature fluctuations, double-layer PTFE tape recommended as sealant
- ISO 10931

SDR	d (mm)	e (mm)	le1 (mm)	R (")	PN (bar)	SW (mm)	Length (mm)	kg/piece	Art. No.
21	20	1.9	28	1/2	16	32	53	0.017	010006570
21	25	1.9	28	3/4	16	36	55	0.039	010006571
21	32	2.4	28	1	16	46	57	0.042	010006572
21	40	2.4	28	1 1/4	16	55	60	0.060	010006573
21	50	3.0	28	1 1/2	16	65	63	0.097	010006574
21	63	3.0	29	2	16	75	69	0.133	010006575

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SIMODUAL² Fixing point



Product details:

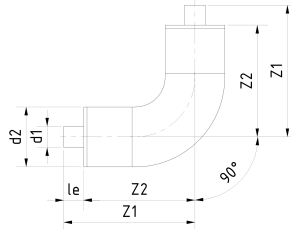
- black
- Available separately as spare parts,
Integrated in SIMODUAL² fitting as standard

Product image for illustration purposes only.

d1 (mm)	d2 (mm)	kg/piece	Art. No.
32	90	0.060	023700067
63	110	0.080	023700068
90	160	0.200	023700069
110	180	0.240	010024742
110	200	0.380	023700070
160	250	0.400	023700071
200	315	1.400	023700072
225	355	2.000	010024743

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SIMODUAL² Bends 90° PE/PE



Product details:

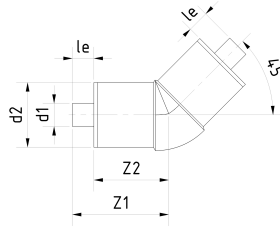
- black/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Including spacer; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	198	168	0.710	010025254
11	17	63	110	6.6	30	223	193	1.654	010025255
11	17	90	160	9.5	40	298	258	4.457	010025256
11	17	110	180	10.7	40	330	290	6.799	010025257
11	17	160	250	14.8	40	420	380	17.216	010025258
11	17	200	315	18.7	40	510	470	32.980	010025259
11	17	225	355	21.1	50	612	562	55.840	010025260

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SIMODUAL² Bends 45° PE/PE



Product details:

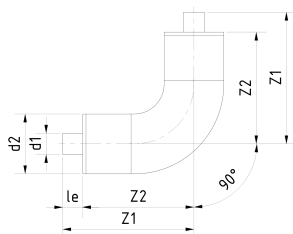
- black/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	135	105	0.563	010025268
11	17	63	110	6.6	30	152	122	1.250	010025269
11	17	90	160	9.5	40	225	185	3.591	010025270
11	17	110	180	10.7	40	330	190	5.332	010025271
11	17	160	250	14.8	40	250	210	13.353	010025272
11	17	200	315	18.7	40	290	250	26.540	010025273
11	17	225	355	21.1	50	375	325	45.020	010025274

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SIMODUAL² Bends 90° PP/PE



Product details:

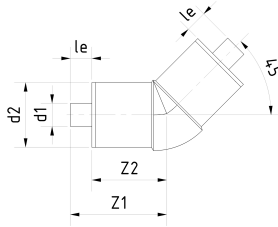
- grey/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	198	168	0.704	010025261
11	17	63	110	6.6	30	223	193	1.642	010025262
11	17	90	160	9.5	40	298	258	4.360	010025263
11	17	110	180	10.7	40	330	290	6.649	010025264
11	17	160	250	14.8	40	420	380	16.276	010025265
11	17	200	315	18.7	40	510	470	30.678	010025266
11	17	225	355	21.1	50	612	562	54.100	010025267

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SIMODUAL² Bends 45° PP/PE



Product details:

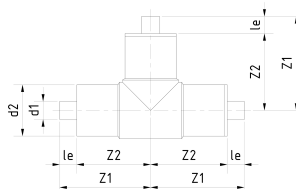
- grey/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	135	105	0.555	010025275
11	17	63	110	6.6	30	152	122	1.227	010025276
11	17	90	160	9.5	40	225	185	3.527	010025277
11	17	110	180	10.7	40	330	190	5.199	010025278
11	17	160	250	14.8	40	250	210	13.005	010025279
11	17	200	315	18.7	40	290	250	23.750	010025280
11	17	225	355	21.1	50	375	325	50.110	010025281

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SIMODUAL² Tees PE/PE



Product details:

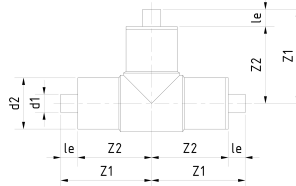
- black/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	167	137	1.105	010025282
11	17	63	110	6.6	30	191	161	2.417	010025283
11	17	90	160	9.5	40	246	206	6.173	010025284
11	17	110	180	10.7	40	300	260	9.735	010025285
11	17	160	250	14.8	40	328	288	20.584	010025286
11	17	200	315	18.7	40	386	346	41.054	010025287
11	17	225	355	21.1	50	458	408	55.682	010025288

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SIMODUAL² Tees PP/PE



Product details:

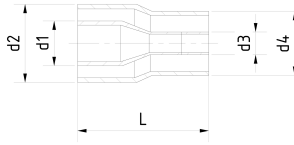
- grey/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	167	137	1.088	010025289
11	17	63	110	6.6	30	191	161	2.366	010025290
11	17	90	160	9.5	40	246	206	6.300	010025291
11	17	110	180	10.7	40	300	260	9.884	010025292
11	17	160	250	14.8	40	328	288	20.094	010025293
11	17	200	315	18.7	40	386	346	39.979	010025294
11	17	225	355	21.1	50	458	408	54.137	010025295

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SIMODUAL² Reducers concentric PE/PE



Product details:

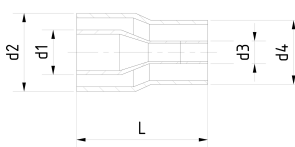
- black/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	d3 (SDR11) (mm)	d4 (SDR 17) (mm)	L (mm)	kg/piece	Art. No.
11	17	63	110	6.6	32	90	185	0.668	010025296
11	17	90	160	9.5	63	110	254	0.668	010025297
11	17	110	180	10.7	63	110	254	2.359	010025298
11	17	110	180	10.7	90	160	279	0.668	010025299
11	17	160	250	14.8	90	160	279	0.668	010025300
11	17	160	250	14.8	110	180	316	6.119	010025301
11	17	200	315	18.7	110	180	316	46.497	010025302
11	17	200	315	18.7	160	250	367	11.661	010025303
11	17	225	355	21.1	160	250	367	32.680	010025304
11	17	225	355	21.1	200	315	340	34.192	010025305

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SIMODUAL² Reducers concentric PP/PE



Product details:

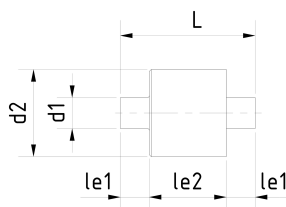
- grey/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	d3 (SDR11) (mm)	d4 (SDR 17) (mm)	L (mm)	kg/piece	Art. No.
11	17	63	110	6.6	32	90	185	0.706	010025306
11	17	90	160	9.5	63	110	254	1.651	010025307
11	17	110	180	10.7	63	110	254	2.327	010025308
11	17	110	180	10.7	90	160	279	2.905	010025309
11	17	160	250	14.8	90	160	279	5.446	010025310
11	17	160	250	14.8	110	180	316	6.055	010025311
11	17	200	315	18.7	110	180	316	46.129	010025312
11	17	200	315	18.7	160	250	367	11.467	010025313
11	17	225	355	21.1	160	250	367	32.393	010025314
11	17	225	355	21.1	200	315	340	38.278	010025315

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SIMODUAL² Transition fitting PE/PE



Product details:

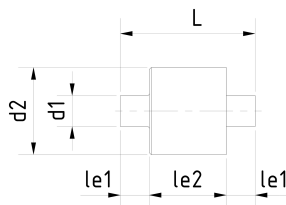
- black/black
- Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le1 (mm)	le2 (mm)	L (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	80	140	1.020	010025316
11	17	63	110	6.6	30	85	145	1.344	010025317
11	17	90	160	9.5	40	105	185	3.085	010025318
11	17	110	180	10.7	40	110	190	5.605	010025319
11	17	160	250	14.8	40	130	210	10.743	010025320
11	17	200	315	18.7	40	150	230	23.298	010025321
11	17	225	355	21.1	50	165	265	21.349	010025322

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SIMODUAL² Transition fitting PP/PE



Product details:

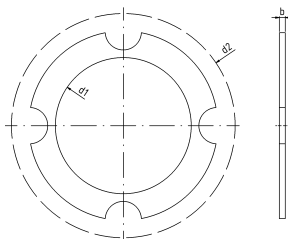
- grey/black
- Cascade welding, Interior: Heated-tool butt welding, Exterior: Electrofusion socket welding, For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le1 (mm)	le2 (mm)	L (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	80	140	1.278	010025324
11	17	63	110	6.6	30	85	145	1.907	010025325
11	17	90	160	9.5	40	105	185	4.020	010025326
11	17	110	180	10.7	40	110	190	8.188	010025327
11	17	160	250	14.8	40	130	210	12.447	010025328
11	17	200	315	18.7	40	150	230	21.112	010025329
11	17	225	355	21.1	50	165	265	26.291	010025330

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SIMODUAL² Spacer



Product details:

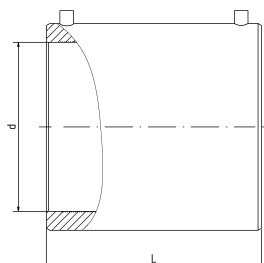
- black
- Available separately as spare parts, Integrated in SIMODUAL² pipe module as standard

Product image for illustration purposes only.

d1 (mm)	d2 (mm)	e (mm)	kg/piece	Art. No.
32	90	15.0	0.035	010025226
63	110	16.0	0.050	010025227
90	160	21.0	0.150	010025228
110	180	21.0	0.280	010025229
160	250	36.0	0.600	010025230
200	315	36.0	1.200	010025231
225	355	36.0	2.287	010025232

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SIMODUAL² Electrofusion socket, extended



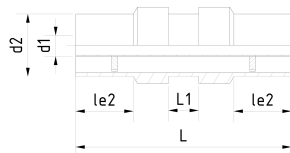
Product details:

- black
- Suitable for welding in spaces with constrained points For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

SDR	d (mm)	L (mm)	kg/piece	Art. No.
17	90	185	1.363	010025373
17	110	224	2.001	010025374
17	160	266	4.500	010025375
17	180	287	6.082	010025376
17	250	299	12.297	010025377
17	315	346	22.672	010025378
17	355	422	33.188	010025379

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SIMODUAL² Fixing Points for Pipe Clamp PE/PE



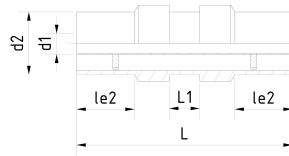
Product details:

- black/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le2 (mm)	L (mm)	Empty category (mm)	kg/piece	Art. No.
11	17	32	90	5.4	80	300	42	1.765	010025359
11	17	63	110	6.6	85	320	52	2.835	010025360
11	17	90	160	9.5	100	350	52	6.625	010025361
11	17	110	180	10.7	110	370	52	8.926	010025362
11	17	160	250	14.8	130	430	62	17.910	010025363
11	17	200	315	18.7	150	470	62	34.390	010025364
11	17	225	355	21.1	165	500	62	44.185	010025365

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SIMODUAL² Fixing Points for Pipe Clamp



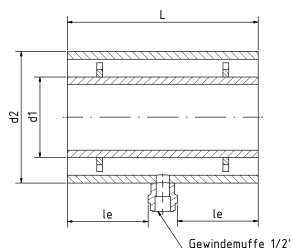
Product details:

- grey/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le2 (mm)	L (mm)	Empty category (mm)	kg/piece	Art. No.
11	17	32	90	5.4	80	300	42	1.755	010025366
11	17	63	110	6.6	85	320	52	2.810	010025367
11	17	90	160	9.5	100	350	52	6.559	010025368
11	17	110	180	10.7	110	370	52	8.824	010025369
11	17	160	250	14.8	130	430	62	17.690	010025370
11	17	200	315	18.7	150	470	62	35.365	010025371
11	17	225	355	21.1	165	500	62	43.765	010025372

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SIMODUAL² Leak adaptor piece PE/PE



Product details:

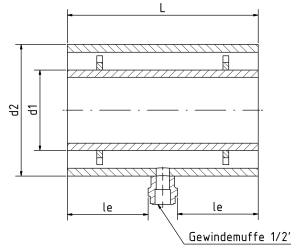
- black/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding
Matching leakage monitoring systems available on request For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	L (mm)	kg/piece	Art. No.
11	17	32	90	5.4	200	1.648	010025345
11	17	63	110	6.6	220	2.109	010025346
11	17	90	160	9.5	240	4.438	010025347
11	17	110	180	10.7	260	7.697	010025348
11	17	160	250	14.8	280	14.704	010025349
11	17	200	315	18.7	320	30.255	010025350
11	17	225	355	21.1	380	27.503	010025351

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SIMODUAL² Leak adaptor piece PP/PE



Product details:

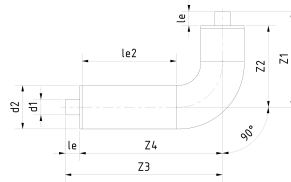
- grey/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding
Matching leakage monitoring systems available on request For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	L (mm)	kg/piece	Art. No.
11	17	32	90	5.4	200	1.940	010025352
11	17	63	110	6.6	220	2.978	010025353
11	17	90	160	9.5	240	6.353	010025354
11	17	110	180	10.7	260	11.961	010025355
11	17	160	250	14.8	280	17.517	010025356
11	17	200	315	18.7	320	26.681	010025357
11	17	225	355	21.1	380	35.174	010025358

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SIMODUAL² Bends 90°, extended PE/PE



Product details:

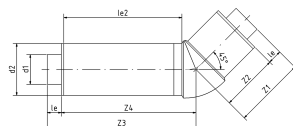
- black/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding Fitting equipped with anchor points as standard For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	le2 (mm)	z1 (mm)	z2 (mm)	kg/piece	z3 (mm)	z4 (mm)	Art. No.
11	17	32	90	5.4	30	195	198	168	1.768	325	295	010025742
11	17	63	110	6.6	30	234	223	193	1.834	384	354	010025743
11	17	90	160	9.5	40	276	298	258	4.487	493	453	010025744
11	17	110	180	10.7	40	297	330	290	7.154	531	791	010025745
11	17	160	250	14.8	40	310	420	380	19.246	621	581	010025746
11	17	200	315	18.7	40	356	510	470	32.720	731	691	010025747
11	17	225	355	21.1	50	432	612	562	53.546	877	827	010025748

All information provided in respect of technical data shall be considered non-binding. This information does not constitute a guarantee of specific properties or qualities and shall not be construed as a warranty in regard to product condition, durability or service life. Subject to modifications and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team: pipingsystems@simona.de.

SIMODUAL² Bends 45°, extended PE/PE



Product details:

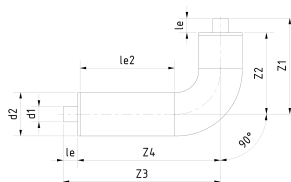
- black/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding Fitting equipped with anchor points as standard For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	le2 (mm)	z1 (mm)	z2 (mm)	kg/piece	z3 (mm)	z4 (mm)	Art. No.
11	17	32	90	5.4	30	195	135	105	0.563	270	240	010025756
11	17	63	110	6.6	30	234	152	122	1.250	316	286	010025757
11	17	90	160	9.5	40	276	225	185	3.591	396	356	010025758
11	17	110	180	10.7	40	297	190	230	5.332	423	383	010025759
11	17	160	250	14.8	40	310	250	210	13.353	485	445	010025760
11	17	200	315	18.7	40	356	290	250	25.140	541	501	010025761
11	17	225	355	21.1	50	432	375	325	42.726	687	637	010025762

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SIMODUAL² Bends 90°, extended PP/PE



Product details:

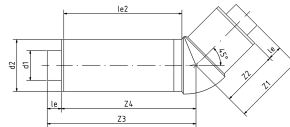
- grey/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding Fitting equipped with anchor points as standard For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	le2 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	z4 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	195	198	168	325	295	0.759	010025749
11	17	63	110	6.6	30	234	223	193	384	354	1.822	010025750
11	17	90	160	9.5	40	276	298	258	493	453	4.200	010025751
11	17	110	180	10.7	40	297	330	290	531	791	7.004	010025752
11	17	160	250	14.8	40	310	420	380	621	581	18.306	010025753
11	17	200	315	18.7	40	356	510	470	731	691	34.308	010025754
11	17	225	355	21.1	50	432	612	562	877	827	51.806	010025755

All information provided in respect of technical data shall be considered non-binding. This information does not constitute a guarantee of specific properties or qualities and shall not be construed as a warranty in regard to product condition, durability or service life. Subject to modifications and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team: pipingsystems@simona.de.

SIMODUAL² Bends 45°, extended PP/PE



Product details:

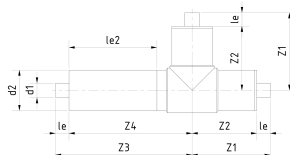
- grey/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding Fitting equipped with anchor points as standard For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le (mm)	le2 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	z4 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	195	198	168	325	295	0.555	010025763
11	17	63	110	6.6	30	234	223	193	384	354	2.523	010025764
11	17	90	160	9.5	40	276	298	258	493	453	3.527	010025765
11	17	110	180	10.7	40	297	330	290	531	791	5.199	010025766
11	17	160	250	14.8	40	310	420	380	621	581	13.005	010025767
11	17	200	315	18.7	40	356	510	470	731	691	22.755	010025768
11	17	225	355	21.1	50	432	612	562	877	827	47.816	010025769

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SIMODUAL² Tees, extended PE/PE



Product details:

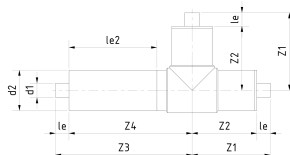
- black/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding Fitting equipped with anchor points as standard For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	167	137	2.414	010025770
11	17	63	110	6.6	30	191	161	3.374	010025771
11	17	90	160	9.5	40	246	206	8.499	010025772
11	17	110	180	10.7	40	300	260	12.960	010025773
11	17	160	250	14.8	40	328	288	27.693	010025774
11	17	200	315	18.7	40	386	346	54.251	010025775
11	17	225	355	21.1	50	458	408	69.478	010025776

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SIMODUAL² Tees, extended PP/PE



Product details:

- grey/black
- Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding Fitting equipped with anchor points as standard For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

SDR	SDR2 (SDR)	d1 (SDR 11) (mm)	d2 (SDR17) (mm)	e2 (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.
11	17	32	90	5.4	30	167	137	2.392	010025777
11	17	63	110	6.6	30	191	161	4.607	010025778
11	17	90	160	9.5	40	246	206	8.594	010025779
11	17	110	180	10.7	40	300	260	13.056	010025780
11	17	160	250	14.8	40	328	288	21.494	010025781
11	17	200	315	18.7	40	386	346	42.779	010025782
11	17	225	355	21.1	50	458	408	52.774	010025783

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