PLASSON®

Flow Solutions



Spigot Fittings

Technical Catalogue

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PLASSON®

Spigot Fittings

Our injection moulded Polyethylene fittings are characterised by excellent physical and mechanical properties. Through the fine surface structure, injection moulded PE fittings are ideal for transporting gases and liquids. The excellent UV resistance allows their use for outside installation without further need for additional protection effort. Our injection moulded fittings have been approved and used for decades in gas and water supply.

Properties

- Excellent processing properties for Butt or Electrofusion welding
- Good chemical resistance
- Excellent corrosion resistance
- High impact strength
- UV degradation protected, no additional protection required
- High abrasion resistance
- Approved for Gas and Water use according to EN1555 and EN12201
- SDR11 and SDR17 options available

Material

High density Polyethylene (PE100). Colour: Black. Approved to BSEN1555, BSEN12201 and WRAS.

Joining technology

- Butt-welding
- Electrofusion socket-welding
- Flange connection





PE100 Fittings with long spigots SDR11/17 black
injection moulded, for butt-welding and electrofusion socket-welding.

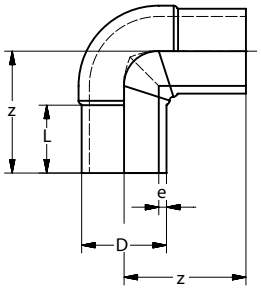
Material
PE100, black, WRAS approved.

Geometric Properties
Outside diameter and wall thickness according to EN 1555 and EN 12201. Tolerances of z-sizes depend on the dimension. Up to d/D 160 = +/- 3 mm and from d/D 180 = +/- 10 mm.

Type
Suitable for butt-welding and electrofusion socket-welding.

Spigot Elbow 90 Long



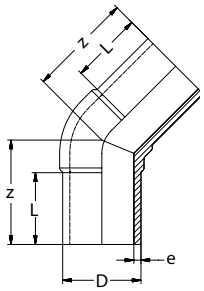


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12413 0790 15	25	2.3	42	63	0.023	100
S12413 0890 15	32	3.0	47	72	0.043	60
S12413 0990 15	40	3.7	44	69	0.069	100
S12413 1090 15	50	4.6	61	95	0.12	50
S12413 1190 15	63	5.8	67	115	0.27	35
S12413 1290 15	75	6.9	78	128	0.42	20
S12413 1390 15	90	8.2	78	141	0.62	10
S12413 1490 15	110	10.0	85	157	1.05	10
S124 13 1590 15	125	11.4	100	170	1.67	6
S12413 1690 15	140	12.7	105	198	2.21	3
S12413 1790 15	160	14.6	117	220	3.08	48
S12413 1890 15	180	16.4	114	221	4.12	37
S12413 1990 15	200	18.2	126	249	5.75	24
S12413 2090 15	225	20.5	135	269	7.94	22
S12413 2190 15	250	22.7	148	307	10.2	15
S12413 2290 15	280	25.4	156	332	13.6	11
S12413 2390 15	315	28.6	170	359	18.8	7
S12413 2490 15	355	32.2	170	410	30.2	5
S12413 2590 15	400	36.6	187	469	41.7	4
S12413 2690 15	450	40.9	202	522	58.9	2
S12413 2790 15	500	45.4	222	562	79.5	2

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12414 1190 15	63	3.8	67	115	0.023	35
S12414 1290 15	75	4.5	78	128	0.36	20
S12414 1390 15	90	5.4	78	141	0.52	10
S12414 1490 15	110	6.6	85	157	0.89	120
S12414 1590 15	125	7.4	100	170	1.42	6
S12414 1690 15	140	8.3	105	198	1.71	3
S12414 1790 15	160	9.5	117	220	2.33	48
S12414 1890 15	180	10.7	114	221	3.13	37
S12414 1990 15	200	11.9	126	249	4.34	37
S12414 2090 15	225	13.4	135	269	5.80	22
S12414 2190 15	250	14.8	148	307	7.62	15
S12414 2290 15	280	16.6	156	332	10.2	11
S12414 2390 15	315	18.7	170	359	13.9	7
S12414 2490 15	355	21.1	170	410	22.7	5
S12414 2590 15	400	23.7	187	469	30.7	4
S12414 2690 15	450	26.7	202	522	43.4	2
S12414 2790 15	500	29.7	222	562	60.1	2

Spigot Elbow 45 Long



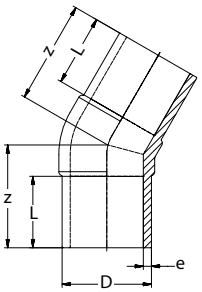


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12413 0745 15	25	2.3	35	41	0.020	150
S12413 0845 15	32	3.0	40	48	0.034	80
S12413 0945 15	40	3.7	44	58	0.076	50
S12413 1045 15	50	4.6	54	74	0.12	90
S12413 1145 15	63	5.8	70	82	0.23	30
S12413 1245 15	75	6.9	76	98	0.31	20
S12413 1345 15	90	8.2	84	120	0.58	12
S12413 1445 15	110	10.0	89	130	0.92	8
S12413 1545 15	125	11.4	100	145	1.25	6
S12413 1645 15	140	12.7	104	154	1.72	3
S12413 1745 15	160	14.6	111	168	2.60	60
S12413 1845 15	180	16.4	118	185	3.56	45
S12413 1945 15	200	18.2	127	202	4.68	30
S12413 2045 15	225	20.5	135	216	5.52	20
S12413 2145 15	250	22.7	141	233	8.92	18
S12413 2245 15	280	25.4	145	242	11.4	12
S12413 2345 15	315	28.6	165	265	15.4	8
S12413 2445 15	355	32.2	170	317	23.5	6
S12413 2545 15	400	36.6	187	346	30.0	4
S12413 2645 15	450	40.9	202	375	44.0	2
S12413 2745 15	500	45.4	222	410	57.0	2

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12414 1145 15	63	3.8	70	82	0.25	30
S12414 1245 15	75	4.5	76	98	0.28	20
S12414 1345 15	90	5.4	84	120	0.47	12
S12414 1445 15	110	6.6	89	130	0.73	144
S12414 1545 15	125	7.4	100	145	1.03	6
S12414 1645 15	140	8.3	104	154	1.33	3
S12414 1745 15	160	9.5	111	168	1.97	60
S12414 1845 15	180	10.7	118	185	2.67	45
S12414 1945 15	200	11.9	127	202	3.62	30
S12414 2045 15	225	13.4	135	216	4.75	20
S12414 2145 15	250	14.8	141	233	6.12	18
S12414 2245 15	280	16.6	145	242	8.33	12
S12414 2345 15	315	18.7	165	265	11.5	8
S12414 2445 15	355	21.1	170	317	17.3	6
S12414 2545 15	400	23.7	187	346	23.0	4
S12414 2645 15	450	26.7	202	375	33.0	2
S12414 2745 15	500	29.7	222	410	42.8	2

Spigot Elbow 30 Long



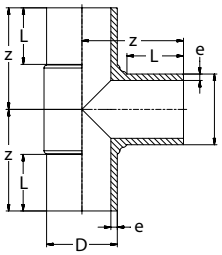


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12413123015	75	6.9	77	103	0.34	20
S12413133015	90	8.2	85	110	0.55	14
S12413143015	110	10.0	95	130	0.93	8
S12413153015	125	11.4	100	142	1.25	4
S12413163015	140	12.7	103	144	1.60	3
S12413173015	160	14.6	116	155	2.38	3
S12413183015	180	16.4	120	165	3.01	36
S12413193015	200	18.2	125	175	4.01	36
S12413203015	225	20.5	133	188	5.50	27

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12414123015	75	4.5	77	103	0.30	20
S12414133015	90	5.4	85	110	0.46	14
S12414143015	110	6.6	95	130	0.70	144
S12414153015	125	7.4	100	142	1.02	4
S12414163015	140	8.3	103	144	1.28	3
S12414173015	160	9.5	116	155	1.89	3
S12414183015	180	10.7	120	165	2.30	36
S12414193015	200	11.9	125	175	3.06	36
S12414203015	225	13.4	133	188	4.19	27

Spigot Equal Tee 90 Long



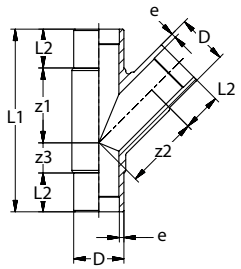


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12513 0790 15	25	2.3	41	62	0.034	150
S12513 0890 15	32	3.0	51	72	0.065	80
S12513 0990 15	40	3.7	55	82	0.12	60
S12513 1090 15	50	4.6	61	95	0.18	40
S12513 1190 15	63	5.8	57	114	0.39	20
S12513 1290 15	75	6.9	73	121	0.55	10
S12513 1390 15	90	8.2	82	153	1.00	8
S12513 1490 15	110	10.0	98	172	1.62	6
S12513 1590 15	125	11.4	102	180	2.05	3
S12513 1690 15	140	12.7	105	195	2.90	2
S12513 1790 15	160	14.6	124	225	4.30	38
S12513 1890 15	180	16.4	117	233	5.69	22
S12513 1990 15	200	18.2	127	253	7.72	15
S12513 2090 15	225	20.5	136	275	10.7	15
S12513 2190 15	250	22.7	140	298	13.0	13
S12513 2290 15	280	25.4	150	325	18.9	7
S12513 2390 15	315	28.6	160	350	27.0	5
S12513 2490 15	355	32.2	173	390	36.4	3
S12513 2590 15	400	36.3	187	431	52.6	3
S12513 2690 15	450	40.9	202	476	70.2	3
S12513 2790 15	500	45.4	225	525	90.3	3

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S12514 1190 15	63	3.8	67	114	0.32	20
S12514 1290 15	75	4.5	73	121	0.48	10
S12514 1390 15	90	5.4	82	153	0.84	8
S12514 1490 15	110	6.6	98	172	1.33	72
S12514 1590 15	125	7.4	102	180	1.60	3
S12514 1690 15	140	8.3	105	195	2.31	2
S12514 1790 15	160	9.5	124	225	3.45	38
S12514 1890 15	180	10.7	117	233	4.22	22
S12514 1990 15	200	11.9	127	253	5.53	15
S12514 2090 15	225	13.4	136	275	7.90	15
S12514 2190 15	250	14.8	140	298	10.4	13
S12514 2290 15	280	16.6	150	325	16.5	7
S12514 2390 15	315	18.7	160	350	19.8	5
S12514 2490 15	355	21.1	173	390	24.7	3
S12514 2590 15	400	23.7	187	431	41.9	3
S12514 2690 15	450	26.7	202	476	51.4	3
S12514 2790 15	500	29.7	225	525	64.9	2

Spigot Branch 45 Long





SDR11	D (mm)	e (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	KG	Box
S12513 0945 15	40	3.7	189	45	75	75	20	0.16	40
S12513 1045 15	50	4.6	222	55	90	90	23	0.29	28
S12513 1145 15	63	5.8	244	63	96	93	23	0.47	16
S12513 1245 15	75	6.9	290	75	105	107	34	0.55	10
S12513 1345 15	90	8.2	371	85	149	149	51	1.45	5
S12513 1445 15	110	10.0	400	85	164	164	55	2.24	3
S12513 1545 15	125	11.4	447	105	185	185	45	3.31	46
S12513 1745 15	160	14.6	538	115	260	260	50	6.26	24
S12513 1845 15	180	16.4	580	116	268	272	75	8.65	19
S12513 1945 15	200	18.2	633	122	287	286	94	11.7	10
S12513 2045 15	225	20.5	700	135	350	350	85	16.3	10
S12513 2145 15	250	22.7	792	143	397	397	109	22.5	1
S12513 2245 15	280*	25.4	852	146	440	440	120	31.1	
S12513 2345 15	315	28.6	965	165	497	497	138	44.4	2

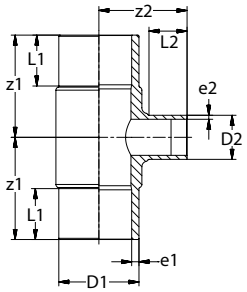
* Under development

SDR17	D (mm)	e (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	KG	Box
S12514 0945 15	40	2.4	189	45	75	75	20	0.14	40
S12514 1045 15	50	3.0	222	55	90	90	23	0.23	28
S12514 1145 15	63	3.8	244	63	96	93	23	0.44	16
S12514 1245 15	75	4.5	290	75	105	107	34	0.59	10
S12514 1345 15	90	5.4	371	85	149	149	51	1.25	5
S12514 1445 15	110	6.6	400	85	164	164	55	1.50	3
S12514 1545 15	125	7.4	447	105	185	185	45	2.86	46
S12514 1745 15	160	9.5	538	115	260	260	50	5.62	24
S12514 1845 15	180	10.7	580	116	268	272	75	7.75	19
S12514 1945 15	200	11.9	633	122	287	286	94	10.2	10
S12514 2015 15	225	13.4	700	135	350	350	85	14.8	10
S12514 2145 15	250	14.8	792	143	397	397	109	16.9	
S12514 2245 15	280*	16.6	852	146	440	440	120	23.4	
S12514 2345 15	315	18.7	965	165	494	494	138	33.4	2

* Under development

Spigot Red Tee Long





SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	KG	Box
S12523 1108 15	63-32	5.8	3.0	70	46	114	91	0.32	20
S12523 1311 35	90-63	8.2	5.8	90	74	147		0.83	
S12523 1411 15	110-63	10.0	5.8	93	65	158	139	1.30	5
S12523 1413 15	110-90	10.0	8.2	91	83	160	158	1.40	4
S12523 1511 15	125-63	11.4	5.8	101	70	179	157	1.69	4
S12523 1512 15	125-75	11.4	6.9	102	76	179	162	1.72	4
S12523 1513 15	125-90	11.4	8.2	100	86	179	170	1.80	4
S12523 1514 15	125-110	11.4	10.0	101	96	179	179	1.93	4
S12523 1611 15	140-63	12.7	5.8	103	69	193	165	2.41	3
S12523 1612 15	140-75	12.7	6.9	104	77	193	177	2.45	3
S12523 1613 15	140-90	12.7	8.2	105	85	193	188	2.51	3
S12523 1614 15	140-110	12.7	10.0	105	88	193	188	2.64	2
S12523 1711 15	160-63	14.6	5.8	110	72	212	179	3.55	46
S12523 1712 15	160-75	14.6	6.9	110	71	212	178	3.49	46
S12523 1713 15	160-90	14.6	8.2	110	85	212	196	3.65	40
S12523 1714 15	160-110	14.6	10.0	110	93	212	201	3.77	40
S12523 1812 15	180-75	16.4	6.9	116	77	230	197	4.95	28
S12523 1813 15	180-90	16.4	8.2	117	85	230	208	4.97	28
S12523 1814 15	180-110	16.4	10.0	117	98	230	218	4.98	24
S12523 1815 15	180-125	16.4	11.4	117	100	230	223	5.11	24
S12523 1816 15	180-140	16.4	12.7	116	105	230	225	5.54	24
S12523 1817 15	180-160	16.4	14.6	116	112	230	232	5.60	27
S12523 1911 15	200-63	18.2	5.8	127	72	255	195	6.39	22
S12523 1912 15	200-75	18.2	6.9	127	80	255	203	6.44	22
S12523 1913 15	200-90	18.2	8.2	127	87	255	212	6.52	22
S12523 1914 15	200-110	18.2	10.0	127	97	255	224	6.64	20
S12523 1915 15	200-125	18.2	11.4	127	104	255	225	6.75	20
S12523 1917 15	200-160	18.2	14.6	127	112	255	242	7.08	17
S12523 2011 15	225-63	20.5	5.8	130	68	270	245	8.31	17
S12523 2012 15	225-75	20.5	6.9	130	75	27	251	8.33	17
S12523 2013 15	225-90	20.5	8.2	130	87	270	264	8.40	17
S12523 2014 15	225-110	20.5	10.0	128	92	261	268	8.62	17
S12523 2015 15	225-125	20.5	11.4	130	92	261	267	8.72	17
S12523 2016 15	225-140	20.5	12.7	130	105	270	280	8.88	15
S12523 2017 15	225-160	20.5	14.6	120	110	261	248	8.92	15
S12523 2113 15	250-90	22.7	8.2	145	85	298	235	10.30	
S12523 2114 15	250-110	22.7	10.0	145	100	298	265	10.3	
S12523 2115 15	250-125	22.7	11.4	145	115	298	270	10.7	
S12523 2117 15	250-160	22.7	14.6	145	118	298	275	10.7	10
S12523 2214 15	280-110*	25.4	10.0	146	95	321	260	14.0	
S12523 2217 15	280-160	25.4	14.6	146	110	321	280	14.4	8
S12523 2314 15	315-110*	28.6	10.0	165	100	352	291	19.2	
S12523 2317 15	315-160	28.6	14.6	165	110	352	305	19.4	6
S12523 2321 15	315-250*	28.6	22.7	165	137	352	328	20.8	
S12523 2322 15	315-280	28.6	25.4	165	150	352	340	22.0	

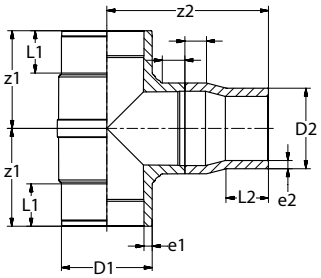
* Under development

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	KG	Box
S12524 1108 15	63-32	3.8	3.0**	70	46	114	91	0.28	
S12524 1411 15	110-63	6.6	5.8**	93	65	158	139	1.11	
S12524 1413 15	110-90	6.6	5.4	91	83	160	158	1.18	4
S12524 1511 15	125-63	7.4	5.8**	101	70	179	157	1.13	4
S12524 1512 15	125-75	7.4	4.5	102	76	179	162	1.37	4
S12524 1513 15	125-90	7.4	5.4	100	86	179	170	1.41	4
S12524 1514 15	125-110	7.4	6.6	101	96	179	179	1.51	4
S12524 1611 15	140-63	8.3	5.8**	103	69	193	165	1.94	3
S12524 1612 15	140-75	8.3	4.5	104	77	193	177	1.99	3
S12524 1613 15	140-90	8.3	5.4	105	85	193	188	2.01	3
S12524 1614 15	140-110	8.3	6.6	105	88	193	188	2.09	2
S12524 1711 15	160-63	9.5	5.8**	110	72	212	179	2.87	46
S12524 1712 15	160-75	9.5	4.5	110	71	212	178	2.88	46
S12524 1713 15	160-90	9.5	5.4	110	85	212	196	2.92	40
S12524 1714 15	160-110	9.5	6.6	110	93	212	201	3.00	40
S12524 1812 15	180-75	10.7	4.5	116	77	230	197	3.92	28
S12524 1813 15	180-90	10.7	5.4	117	85	230	208	3.95	28
S12524 1814 15	180-110	10.7	6.6	117	98	230	218	4.03	24
S12524 1815 15	180-125	10.7	7.4	117	100	230	223	4.10	24
S12524 1816 15	180-140	10.7	8.3	116	105	230	225	4.19	24
S12524 1817 15	180-160	10.7	9.5	116	112	230	232	4.44	27
S12524 1911 15	200-63	11.9	5.8**	127	72	255	195	5.13	22
S12524 1912 15	200-75	11.9	4.5	127	80	255	203	5.15	22
S12524 1913 15	200-90	11.9	5.4	127	87	255	212	5.22	22
S12524 1914 15	200-110	11.9	6.6	127	97	255	224	5.25	20
S12524 1915 15	200-125	11.9	7.4	127	104	255	225	5.38	20
S12524 1917 15	200-160	11.9	9.5	127	112	255	242	5.65	17
S12524 2011 15	225-63	13.4	5.8**	130	68	270	245	6.69	17
S12524 2012 15	225-75	13.4	4.5	130	75	270	251	6.71	17
S12524 2013 15	225-90	13.4	5.4	130	87	270	264	6.77	17
S12524 2014 15	225-110	13.4	6.6	128	92	261	268	6.97	17
S12524 2015 15	225-125	13.4	7.4	130	92	261	267	6.98	17
S12524 2016 15	225-140	13.4	8.3	130	105	270	280	7.17	15
S12524 2017 15	225-160	13.4	9.5	120	110	261	248	7.20	15
S12524 2113 15	250-90*	14.8	5.4	145	85	298	235	7.30	
S12524 2114 15	250-110*	14.8	6.6	145	95	298	265	7.30	
S12524 2115 15	250-125*	14.8	7.4	145	115	298	270	7.60	10
S12524 2117 15	250-160*	14.8	9.5	145	100	298	275	7.60	
S12524 2214 15	280-110	16.6	6.6	146	95	321	260	9.90	1
S12524 2217 15	280-160*	16.6	9.5	146	118	321	280	10.1	1
S12524 2314 15	315-110	18.7	6.6	165	100	352	291	13.6	
S12524 2317 15	315-160	18.7	9.5	165	110	352	305	14.6	
S12524 2321 15	315-250*	18.7	14.8	165	137	352	328	15.2	
S12524 2322 15	315-280	18.7	16.6	165	150	352	340	15.0	

** SDR 11
* Under development

Spigot Reducing Tee 90 Long Form B





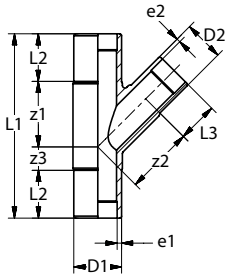
SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	KG	Box
S12523 2421 15	355-250	32.2	22.7	172	143	390	661	42.2	
S12523 2422 15	355-280	32.2	25.4	172	148	390	661	42.9	
S12523 2423 15	355-315	32.2	28.6	172	158	390	661	43.8	
S12523 2522 15	400-280	36.3	25.4	187	153	431	707	56.5	
S12523 2523 15	400-315	36.3	28.6	187	158	431	707	57.4	
S12523 2524 15	400-355	36.3	32.2	187	168	431	707	58.6	
S12523 2724 15	500-355	45.4	32.2	222	172	522	798	102.1	
S12523 2725 15	500-400	45.4	36.3	222	187	522	798	103.7	
S12523 2726 15	500-450	45.4	40.9	222	202	522	798	106.0	

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	KG	Box
S12524 2421 15	355-250	21.2	14.8	172	143	390	661	30.1	
S12524 2422 15	355-280	21.1	16.6	172	148	390	661	30.6	
S12524 2423 15	355-315	21.1	18.7	172	158	390	661	31.2	
S12524 2522 15	400-280	23.7	16.6	187	153	431	707	39.7	
S12524 2523 15	400-315	23.7	18.7	187	158	431	707	40.3	
S12524 2524 15	400-355	23.7	21.1	187	168	431	707	41.2	
S12524 2724 15	500-355	29.7	21.1	222	172	522	798	71.5	
S12524 2725 15	500-400	29.7	23.7	222	187	522	798	72.6	
S12524 2726 15	500-450	29.7	26.7	222	202	522	798	74.1	

Form B = Tee equal with welded Reducer.

Spigot Red Br 45 Long



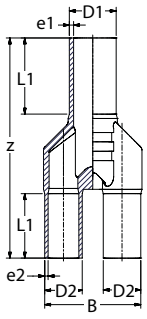


SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	KG	Box
S12534 1211 15	75-63	4.5	5.8*	290	75	63	102	102	37	0.58	12

* SDR 11

PE100 Y Long

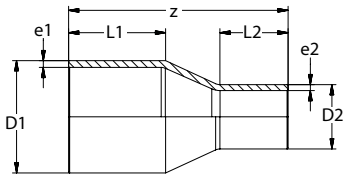




SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	z1 (mm)	KG	Box
S12543 0908 15	40-32	3.7	2.9	65	55	188	82	0.11	
S12543 1009 15	50-40	4.6	3.7	75	65	228	101	0.22	

Spigot Reducer Long





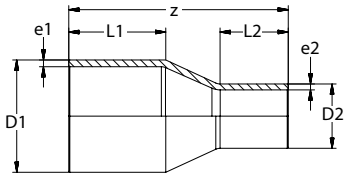
SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S12323 0807 15	32-25	3.0	2.3	44	37	89	0.020	60
S12323 0906 35	40-20	3.7	1.9	45	36	94	0.030	1
S12323 0907 15	40-25	3.7	2.3	47	35	96	0.032	40
S12323 0908 15	40-32	3.7	3.0	50	39	93	0.036	30
S12323 1007 15	50-25	4.6	2.3	62	47	136	0.060	110
S12323 1008 15	50-32	4.6	3.0	61	50	134	0.066	110
S12323 1009 15	50-40	4.6	3.7	61	55	134	0.075	100
S12323 1107 35	63-25	5.8	2.3	64	47	140	0.090	1
S12323 1108 15	63-32	5.8	3.0	69	50	148	0.11	60
S12323 1109 15	63-40	5.8	3.7	69	55	148	0.12	60
S12323 1110 15	63-50	5.8	4.6	69	61	148	0.14	50
S12323 1209 15	75-40	6.9	3.7	76	55	170	0.20	48
S12323 1210 15	75-50	6.9	4.6	76	61	170	0.14	40
S12323 1211 15	75-63	6.9	5.8	76	69	170	0.22	36
S12323 1310 15	90-50	8.2	4.6	85	61	189	0.27	36
S12323 1311 15	90-63	8.2	5.8	85	69	178	0.30	36
S12323 1312 15	90-75	8.2	6.9	85	76	181	0.34	34
S12323 1410 35	110-50	10.0	4.6	88	61	177	0.39	1
S12323 1411 15	110-63	10.0	5.8	95	69	212	0.49	14
S12323 1412 15	110-75	10.0	6.9	95	76	215	0.49	14
S12323 1413 15	110-90	10.0	8.2	95	85	215	0.58	12
S12323 1511 15	125-63	11.4	5.8	99	69	226	0.63	12
S12323 1512 15	125-75	11.4	6.9	100	76	227	0.67	10
S12323 1513 15	125-90	11.4	8.2	100	85	225	0.72	9
S12323 1514 15	125-110	11.4	10.0	100	80	228	0.82	9
S12323 1612 15	140-75	12.7	6.9	116	72	246	0.85	9
S12323 1613 15	140-90	12.7	8.2	116	85	248	0.92	9
S12323 1614 15	140-110	12.7	10.0	105	95	250	1.04	7
S12323 1615 15	140-125	12.7	11.4	105	105	25	1.17	7
S12323 1713 15	160-90	14.6	8.2	111	84	260	1.20	96
S12323 1714 15	160-110	14.6	10.0	112	94	260	1.34	96
S12323 1715 15	160-125	14.6	11.4	111	98	260	1.42	96
S12323 1716 15	160-140	14.6	12.7	111	105	260	1.57	84
S12323 1813 35	180-90	16.4	8.2	110	90	260	1.41	1
S12323 1814 15	180-110	16.4	10.0	115	95	275	1.60	1
S12323 1815 15	180-125	16.4	11.4	116	105	275	1.77	72
S12323 1816 35	180-140	16.4	12.7	105	96	221	1.61	1
S12323 1817 15	180-160	16.4	14.6	117	110	275	2.07	48
S12323 1914 35	200-110	18.2	10.0	126	96	287	1.90	1
S12323 1915 15	200-125	18.2	11.4	124	110	281	2.21	36
S12323 1917 15	200-160	18.2	14.6	124	110	278	2.44	36
S12323 1918 35	200-180	18.2	16.4	117	109	236	2.30	1
S12323 2013 35	225-90	20.5	8.2	130	90	300	2.52	1
S12323 2014 15	225-110	20.5	10.0	132	90	311	2.91	36
S12323 2015 35	225-125	20.5	11.4	130	100	310	2.81	1
S12323 2017 15	225-160	20.5	14.6	132	110	310	3.02	36
S12323 2018 15	225-180	20.5	16.4	140	115	310	3.50	27
S12323 2019 35	225-200	20.5	18.2	132	130	277	3.47	1

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S12324 1209 15	75-40	4.5	3.7*	76	55	172	0.16	50
S12324 1210 15	75-50	4.5	4.6*	76	61	172	0.17	40
S12324 1211 15	75-63	4.5	5.8*	76	69	172	0.18	36
S12324 1310 15	90-50	5.4	4.6*	85	60	175	0.20	36
S12324 1311 15	90-63	5.4	5.8*	85	71	178	0.24	36
S12324 1312 15	90-75	5.4	4.5	85	80	181	0.23	34
S12324 1410 35	110-50	6.6	3.0	88	57	177	0.27	1
S12324 1411 15	110-63	6.6	5.8*	95	70	212	0.36	14
S12324 1412 15	110-75	6.6	4.5	95	79	215	0.35	14
S12324 1413 15	110-90	6.6	5.4	95	88	215	0.38	12
S12324 1511 15	125-63	7.4	5.8*	99	66	226	0.46	12
S12324 1512 15	125-75	7.4	4.5	100	75	227	0.45	12
S12324 1513 15	125-90	7.4	5.4	100	74	225	0.48	9
S12324 1514 15	125-110	7.4	6.6	100	80	228	0.57	9
S12324 1612 15	140-75	8.3	4.5	116	72	246	0.61	9
S12324 1613 15	140-90	8.3	5.4	116	85	248	0.64	9
S12324 1614 15	140-110	8.3	6.6	105	95	250	0.72	7
S12324 1615 15	140-125	8.3	7.4	105	105	253	0.79	7
S12324 1713 15	160-90	9.5	5.4	111	84	260	0.84	96
S12324 1714 15	160-110	9.5	6.6	112	94	260	0.91	96
S12324 1715 15	160-125	9.5	7.4	111	98	260	0.95	96
S12324 1716 15	160-140	9.5	8.3	111	105	260	1.03	84
S12324 1813 35	180-90	10.7	5.4	110	90	260	0.98	1
S12324 1814 15	180-110	10.7	6.6	115	95	275	1.09	1
S12324 1815 15	180-125	10.7	7.4	116	105	275	1.20	72
S12324 1816 35	180-140	10.7	8.3	105	96	221	1.05	1
S12324 1817 15	180-160	10.7	9.5	117	110	275	1.83	48
S12324 1914 35	200-110	11.9	6.6	126	96	287	1.30	1
S12324 1915 15	200-125	11.9	7.4	124	110	281	1.97	36
S12324 1917 15	200-160	11.9	9.5	124	110	278	1.70	36
S12324 1918 35	200-180	11.9	10.7	117	109	236	1.20	1
S12324 2013 35	225-90	13.4	5.4	121	89	298	1.80	1
S12324 2014 15	225-110	13.4	6.6	132	90	311	2.62	36
S12324 2015 35	225-125	13.4	7.4	131	100	288	1.90	1
S12324 2017 15	225-160	13.4	9.5	132	110	310	2.22	36
S12324 2018 15	225-180	13.4	10.7	140	115	310	2.37	27
S12324 2019 35	225-200	13.4	11.9	140	130	277	2.38	1

* SDR 11

Spigot Reducer Long



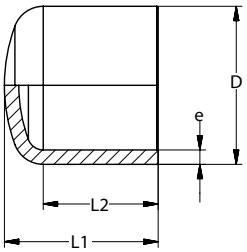


SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S12323 2117 15	250-160	22.7	14.6	140	110	338	4.15	27
S12323 2118 15	250-180	22.7	16.4	140	120	338	4.32	27
S12323 2119 15	250-200	22.7	18.2	140	125	335	4.65	27
S12323 2120 15	250-225	22.7	20.5	140	125	335	5.09	27
S12323 2218 15	280-180	25.4	16.4	150	120	357	5.49	36
S12323 2219 15	280-200	25.4	18.2	150	125	357	5.81	36
S12323 2220 15	280-225	25.4	20.5	150	132	357	6.16	24
S12323 2221 15	280-250	25.4	22.7	150	145	355	6.70	24
S12323 2320 15	315-225	28.6	20.5	160	142	392	7.78	24
S12323 2321 15	315-250	28.6	22.7	160	145	392	8.33	24
S12323 2322 15	315-280	28.6	25.4	160	157	392	9.09	18
S12323 2421 15	355-250	32.2	22.7	175	145	426	10.9	24
S12323 2422 15	355-280	32.2	25.4	170	155	426	11.7	16
S12323 2423 15	355-315	32.2	28.6	175	170	426	12.7	16
S12323 2522 15	400-280	36.3	25.4	190	155	465	14.8	12
S12323 2523 15	400-315	36.3	28.6	190	165	460	15.6	12
S12323 2524 15	400-355	36.3	32.2	190	185	463	17.0	12
S12323 2623 15	450-315	40.9	28.6	202	157	480	19.5	10
S12323 2624 15	450-355	40.9	32.2	202	172	480	20.9	10
S12323 2625 15	450-400	40.9	36.3	202	187	480	22.8	10
S12323 2724 15	500-355	45.4	32.2	222	172	520	28.5	6
S12323 2725 15	500-400	45.4	36.3	222	187	520	29.0	6
S12323 2726 15	500-450	45.4	40.9	222	202	520	32.5	6
S12323 2924 15	630-355	57.2	32.2	265	172	650	49.3	4
S12323 2925 15	630-400	57.2	36.3	265	187	650	51.0	4
S12323 2926 15	630-450	57.2	40.9	265	202	650	53.7	4
S12323 2927 15	630-500	57.2	45.4	265	650	650	56.6	4

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S12324 2117 15	250-160	14.8	9.5	140	110	338	3.64	27
S12324 2118 15	250-180	14.8	10.7	140	120	338	3.79	27
S12324 2119 15	250-200	14.8	11.9	140	125	335	4.00	27
S12324 2120 15	250-225	14.8	13.4	140	125	357	4.45	27
S12324 2218 15	280-180	16.6	10.7	150	120	357	4.77	36
S12324 2219 15	280-200	16.6	11.9	150	125	357	5.00	36
S12324 2220 15	280-225	16.6	13.4	150	132	357	5.35	24
S12324 2221 15	280-250	16.6	14.8	150	145	355	5.93	24
S12324 2320 15	315-225	18.7	13.4	160	142	392	6.92	27
S12324 2321 15	315-250	18.7	14.8	160	145	392	7.38	24
S12324 2322 15	315-280	18.7	16.6	160	157	392	7.92	18
S12324 2421 15	355-250	21.1	14.8	175	145	426	9.60	24
S12324 2422 15	355-280	21.1	16.6	170	155	426	10.2	16
S12324 2423 15	355-315	21.1	18.7	175	170	426	11.1	16
S12324 2522 15	400-280	23.7	16.6	190	155	465	13.2	12
S12324 2523 15	400-315	23.7	18.7	190	165	460	13.9	12
S12324 2524 15	400-355	23.7	21.1	190	185	463	15.0	12
S12324 2623 15	450-315	26.7	18.7	202	157	480	13.3	10
S12324 2624 15	450-355	26.7	21.1	202	172	480	14.2	10
S12324 2625 15	450-400	26.7	23.7	202	187	480	15.5	10
S12324 2724 15	500-355	29.7	21.1	222	172	520	18.4	6
S12324 2725 15	500-400	29.7	23.7	222	187	520	19.5	6
S12324 2726 15	500-450	29.7	26.7	222	202	520	21.2	6
S12324 2924 15	630-355	37.4	21.1	265	172	650	33.5	4
S12324 2925 15	630-400	37.4	23.7	265	187	650	34.8	4
S12324 2926 15	630-450	37.4	26.7	265	202	650	36.5	4
S12324 2927 15	630-500	37.4	29.7	265	222	650	38.5	4

Spigot End Cap Long



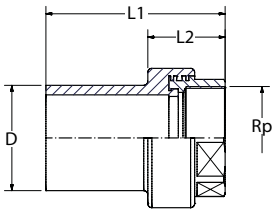


SDR11	D (mm)	e (mm)	L1 (mm)	L2 (mm)	KG	Box
S12443 0700 15	25	2.3	52	46	0.010	150
S12443 0800 15	32	3.0	57	48	0.017	90
S12443 0900 15	40	3.7	68	56	0.030	240
S12443 1000 15	50	4.6	74	58	0.053	140
S12443 1100 15	63	5.8	80	66	0.085	100
S12443 1200 15	75	6.8	80	67	0.14	70
S12443 1300 15	90	8.2	91	73	0.22	40
S12443 1400 15	110	10.0	107	82	0.38	24
S12443 1500 15	125	11.4	125	94	0.55	18
S12443 1600 15	140	12.7	138	110	0.79	12
S12443 1700 15	160	14.6	152	120	1.12	8
S12443 1800 15	180	16.4	168	132	1.59	72
S12443 1900 15	200	18.2	184	143	2.16	72
S12443 2000 15	225	20.5	202	163	2.96	54
S12443 2100 15	250	22.7	218	170	3.29	50
S12443 2200 15	280	25.4	227	182	4.80	43
S12443 2300 15	315	28.6	245	190	6.28	30
S12443 2400 15	355	32.2	264	213	9.09	18
S12443 2500 15	400	36.3	280	230	12.5	18
S12443 2600 15	450	40.9	306	195	17.0	9
S12443 2700 15	500	45.4	335	212	22.9	6
S12443 2900 15	630	57.2	410	255	44.7	2

SDR17	D (mm)	e (mm)	L1 (mm)	L2 (mm)	KG	Box
S12444 1100 15	63	3.8	80	66	0.060	60
S12444 1200 15	75	4.5	80	67	0.090	70
S12444 1300 15	90	5.4	91	73	0.15	40
S12444 1400 15	110	6.6	107	82	0.26	432
S12444 1500 15	125	7.4	125	94	0.39	18
S12444 1600 15	140	8.3	138	110	0.54	12
S12444 1700 15	160	9.5	152	120	0.78	8
S12444 1800 15	180	10.7	168	132	1.08	72
S12444 1900 15	200	11.9	184	143	1.49	72
S12444 2000 15	225	13.4	202	163	2.05	54
S12444 2100 15	250	14.8	218	170	2.90	50
S12444 2200 15	280	16.6	227	182	3.86	43
S12444 2300 15	315	18.7	245	190	4.62	30
S12444 2400 15	355	21.1	264	213	6.29	18
S12444 2500 15	400	23.7	280	230	8.43	18
S12444 2600 15	450	26.7	306	195	11.8	9
S12444 2700 15	500	29.7	335	212	15.9	6
S12444 2900 15	630	34.4	410	255	31.0	2

PE100-Brass Trans. long female

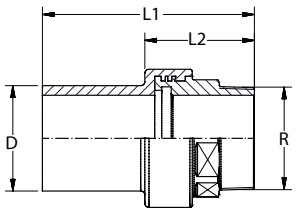




SDR11	D x Rp (mm x inch)	e (mm)	L1 (mm)	L2 (mm)	KG	Box
S12M13 0643 35	20 x 1/2	3.0	84	40	0.17	
S12M13 0745 35	25 x 3/4	3.0	85	42	0.18	
S12M13 0846 35	32 x 1	3.0	90	43	0.28	
S12M13 0947 35	40 x 1 1/4	3.7	100	47	0.38	
S12M13 1048 35	50 x 1 1/2	4.6	108	47	0.51	
S12M13 1150 35	63 x 2	5.8	122	53	0.74	
S12M13 1253 35	75 x 2 1/2	6.8	138	62	0.77	
S12M13 1355 35	90 x 3	8.2	153	66	1.66	
S12M13 1457 35	110 x 4	10.0	167	80	2.56	
S12M13 1557 35	125 x 4	11.4	177	82	3.40	

PE100-Brass Trans. long male

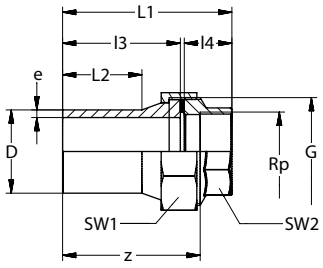




SDR11	D x R (mm x inch)	e (mm)	L1 (mm)	L2 (mm)	KG	Box
S12M13 0673 35	20 x 1/2	3.0	100	56	0.22	
S12M13 0775 35	25 x 3/4	3.0	103	59	0.24	
S12M13 0876 35	32 x 1	3.0	110	62	0.35	
S12M13 0976 35	40 x 1	3.7	115	60	0.40	
S12M13 0977 35	40 x 1 1/4	3.7	124	71	0.47	
S12M13 1078 35	50 x 1 1/2	4.6	132	71	0.60	
S12M13 1180 35	63 x 2	5.8	148	79	0.96	
S12M13 1283 35	75 x 2 1/2	6.8	163	83	1.23	
S12M13 1385 35	90 x 3	8.2	183	96	2.16	
S12M13 1487 35	110 x 4	10.0	202	117	3.48	
S12M13 1587 35	125 x 4	11.4	214	119	4.50	

PE100-Stainless Steel Transition Union long female

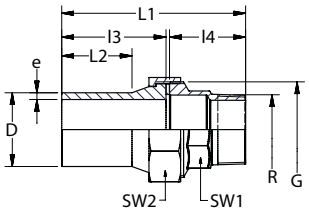




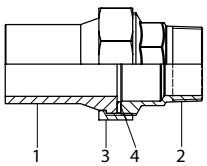
SDR11	D x Rp (mm x inch)	e (mm)	G (inch)	L1 (mm)	L2 (mm)	l3 (mm)	l4 (mm)	z (mm)	SW1 (mm)	SW2 (mm)	KG	Box
S12V53 0745 15	25 x 3/4	2.3	1 1/4	82	36	56	23	67	47	31	0.23	
S12V53 0846 15	32 x 1	3.0	1 1/2	94	42	65	26	77	53	38	0.28	
S12V53 0947 15	40 x 1 1/4	3.7	2	102	45	71	28	83	66	47	0.45	
S12V53 1048 15	50 x 1 1/2	4.6	2 1/4	113	52	81	29	94	72	53	0.61	
S12V53 1150 15	63 x 2	5.8	2 3/4	126	57	89	34	102	89	66	1.07	
S12V53 1253 15	75 x 2 1/2	6.9	3 1/2	179	71	130	46	15	109	82	1.67	
S12V53 1355 15	90 x 3	8.2	4	205	76	150	52	175	123	96	2.29	
S12V53 1357 15	90 x 4	8.2	5	219	76	164	60	180	150	124	3.10	
S12V53 1457 15	110 x 4	10.0	5	233	88	170	60	197	150	124	3.56	

PE100-Stainless Steel Transition Union long male





SDR11	D x Rp (mm x inch)	e (mm)	G (inch)	L1 (mm)	L2 (mm)	l3 (mm)	l4 (mm)	SW1 (mm)	SW2 (mm)	KG	Box
S12V53 0775 15	25 x 3/4	2.3	1 1/4	109	36	56	50	47	31	0.26	
S12V53 0876 15	32 x 1	3.0	1 1/2	122	42	65	54	53	38	0.38	
S12V53 0977 15	40 x 1 1/4	3.7	2	128	45	71	54	66	47	0.59	
S12V53 1078 15	50 x 1 1/2	4.6	2 1/4	146	52	81	62	72	53	0.77	
S12V53 1180 15	63 x 2	5.8	2 3/4	161	57	89	69	89	66	1.19	
S12V53 1283 15	75 x 2 1/2	6.9	3 1/2	152	71	130	78	109	82	2.02	
S12V53 1385 15	90 x 3	8.2	4	240	76	150	87	123	96	2.61	
S12V53 1387 15	90 x 4	8.2	5	257	76	164	100	150	124	3.90	
S12V53 1487 15	110 x 4	10.0	5	273	88	170	100	150	124	4.44	

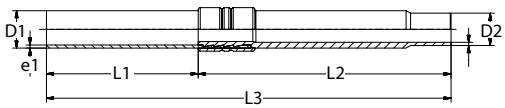


Union PE Stainless steel with flat-gasket and connection for metal thread

1. PE Insert-part
2. Stainless steel Screw-part
3. Stainless steel Union-nut
4. Flat-gasket-EPDM

PE100-Steel Transition long

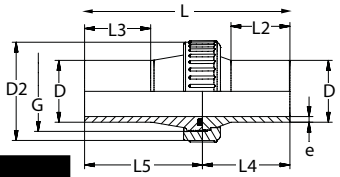




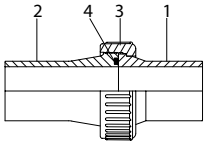
SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	KG	Box
S12S13 0700 35	25 x 3/4	3.0	2.3	450	150	300	0.7	
S12S13 0800 35	32 x 1	3.0	2.6	450	150	300	1.1	
S12S13 0900 35	40 1 1/4	3.7	2.6	450	150	300	1.3	
S12S13 1000 35	50 x 1 1/2	4.6	2.9	450	150	300	2.0	
S12S13 1100 35	63 x 2	5.8	2.9	450	150	300	2.9	
S12S13 1200 35	75 x 2 1/2	6.8	3.2	500	200	300	3.7	
S12S13 1300 35	90 x 3	8.2	3.2	500	200	300	4.6	
S12S13 1400 35	110 x 4	10.0	3.6	500	200	300	6.4	
S12S13 1500 35	125 x 4	11.4	3.6	500	200	300	6.6	
S12S13 1600 35	140 x 5	12.7	5.0	550	250	300	10.5	
S12S13 1700 35	160 x 6	14.6	5.0	600	250	300	16.5	
S12S13 1800 35	180 x 6	16.4	5.0	600	250	350	22.5	
S12S13 1900 35	200 x 8	18.2	5.6	700	300	400	27.5	
S12S13 2000 35	225 x 8	20.5	5.6	700	300	400	30.0	

Spigot Union long





SDR11	D (mm)	e (mm)	D1 (mm)	D2 (mm)	G (mm)	L (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	KG	Box
S12353 0700 15	25	2.3	38.8	52	1 1/4	177	60	60	89	88	0.073	1
S12353 0800 15	32	3.0	44.7	60	1 1/2	190	60	60	95	95	0.10	1
S12353 0900 15	40	3.7	56.5	74	2	185	66	66	96	89	0.17	1
S12353 1000 15	50	4.6	62.2	83	2 1/4	230	80	80	115	115	0.23	1
S12353 1100 15	63	5.8	78.4	103	2 3/4	249	85	85	124	125	0.38	1
S12353 1200 15	75	6.9	97.2	121	3 1/2	260	90	90	130	130	0.72	1
S12353 1300 15	90	8.2	110.0	137	4	288	103	103	144	144	1.06	1
S12353 1400 15	100	10.0	135.3	164	5	309	105	105	154	154	1.62	1

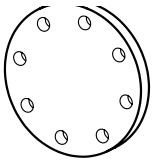


Union PE with O-Ring-gasket and spigots on both sides
1. PE Insert-part
2. PE Screw-part
3. PVC Union-nut
4. O-Ring-gasket-EPDM/FKM

Blind Flange PN10/16 - Steel Coated in PP

D (mm)	DN (mm)	PP-St DIN/EN PN10/16	PP-St DIN/EN PN10
25	20	S19144 07E1 35	
32	25	S19144 08E1 35	
40	32	S19144 09E1 35	
50	40	S19144 10E1 35	
63	50	S19144 11E1 35	
75	65	S19144 12E1 35	
90	80	S19144 13E1 35	
110	100	S19144 14E1 35	
125	100	S19144 14E1 35	
140	125	S19144 16E1 35	

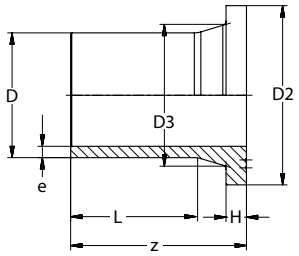
D (mm)	DN (mm)	PP-St DIN/EN PN10/16	PP-St DIN/EN PN10
160	150	S19144 17E1 35	
180	150	S19144 17E1 35	
200	200		S19144 19E2 35
225	200		S19144 19E2 35
250	250		S19144 21E2 35
280	250		S19144 21E2 35
315	300		S19144 23E2 35
355	350		S19144 24E2 35
400	400		S19144 25E2 35



Flange blind

Spigot Flange Adaptor Long



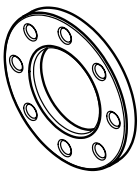


SDR11	D (mm)	e (mm)	D2 (mm)	D3 (mm)	H (mm)	L (mm)	z (mm)	KG	Box
S12333 07F0 15	25	2.3	58	33	9.0	51	90	0.040	180
S12333 08F0 15	32	3.0	68	40	10.0	57	95	0.060	80
S12333 09F0 15	40	3.7	78	50	11.0	55	100	0.080	60
S12333 10F0 15	50	4.6	88	61	12.0	63	115	0.13	60
S12333 11F0 15	63	5.8	102	75	14.0	78	122	0.21	40
S12333 12F0 15	75	6.8	122	89	16.0	84	130	0.32	18
S12333 13F0 15	90	8.2	138	105	17.0	98	145	0.48	12
S12333 14F0 15	110	10.0	158	125	18.0	102	155	0.71	12
S12333 15F0 15	125	11.4	158	132	26.0	115	170	0.93	8
S12333 16F0 15	140	12.7	188	155	25.0	112	175	1.26	4
S12333 17F0 15	160	14.6	212	175	25.0	122	185	1.66	6
S12333 18F0 15	180	16.4	212	180	30.0	160	195	1.94	72
S12333 19F0 15	200	18.2	268	232	32.0	123	205	3.14	56
S12333 20F0 15	225	20.5	268	235	32.0	143	215	3.40	45
S12333 21F0 15	250	22.7	320	285	35.0	150	235	5.25	36
S12333 22F0 15	280	25.4	320	291	35.0	178	253	5.82	33
S12333 23F0 15	315	28.6	370	335	35.0	172	257	8.05	24
S12333 24F0 15	355	32.2	430	373	40.0	195	285	11.3	18
S12333 25F0 15	400	36.3	475	427	46.0	215	315	16.1	12
S12333 26F0 15	450	40.9	575	514	60.0	196	326-340	26.0	6
S12333 27F0 15	500	45.4	575	530	60.0	200	330-360	29.0	6
S12333 28F0 35	560	50.8	685	615	60.0	240	370-380	47.1	
S12333 29F0 15	630	57.2	685	642	65.0	250	360-375	42.3	4

SDR17	D (mm)	e (mm)	D2 (mm)	D3 (mm)	H (mm)	L (mm)	z (mm)	KG	Box
S12334 11F0 15	63	3.8	102	75	14	78	122	0.18	40
S12334 12F0 15	75	4.5	122	89	16	84	130	0.27	18
S12334 13F0 15	90	5.4	138	105	17	98	142	0.38	12
S12334 14F0 15	110	6.6	158	125	18	102	155	0.56	12
S12334 15F0 15	125	7.4	158	132	18	122	17	0.63	8
S12334 16F0 15	140	8.3	188	155	18	119	175	0.90	4
S12334 17F0 15	160	9.5	212	175	18	129	185	1.12	6
S12334 18F0 15	180	10.7	212	180	20	175	195	1.36	4
S12334 19F0 15	200	11.9	268	232	24	131	205	2.28	56
S12334 20F0 15	225	13.4	268	235	24	151	215	2.33	45
S12334 21F0 15	250	14.8	320	285	25	160	235	3.60	36
S12334 22F0 15	280	16.6	320	291	25	188	253	4.16	33
S12334 23F0 15	315	18.7	370	335	25	182	257	5.56	24
S12334 24F0 15	355	21.1	430	373	30	195	275	7.83	18
S12334 25F0 15	400	23.7	482	427	33	227	315	11.1	12
S12334 26F0 15	450	26.7	575	514	46	196	326-340	18.3	6
S12334 27F0 15	500	29.7	575	530	46	224	330-360	20.0	6
S12334 28F0 35	560	33.2	685	615	50	250	370-380	27.2	
S12334 29F0 15	630	37.4	685	642	50	260	410	29.3	4

Backing Rings PN10/16 - Steel Coated in PP

D (mm)	DN (mm)	DIN/EN PN10/16	PN10	PN16
25	20	S19141 07E1 15		
32	25	S19141 08E1 15		
40	32	S19141 09E1 15		
50	40	S19141 10E1 15		
63	50	S19141 11E1 15		
75	65	S19141 12E1 15		
90	80	S19143 13E1 15		
110	100	S19143 14E1 15		
125	100	S19143 15E1 15		
140	125	S19143 16E1 15		
160	150	S19143 17E1 15		
180	150	S19143 18E1 15		
200	200		S19143 19E2 15	S1914319E325
225	200		S19143 20E2 15	S1914320E315
250	250		S19143 21E2 15	S1914321E315
280	250		S19143 22E2 15	S1914322E315
315	300		S19143 23E2 15	S1914323E315
355	350		S19143 24E2 15	S1914324E315
400	400		S19143 25E2 15	S1914325E315
450	500		S19143 26E2 35	
500	500		S19143 27E2 35	
560	600		S19143 28E2 35	
630	600		S19143 29E2 35	



Flange loose

PE100 Fittings with short spigots SDR11/17 black
injection moulded, for butt-welding.

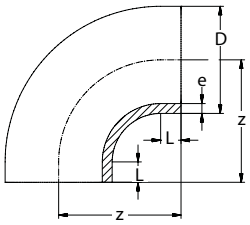
Material
PE100, black, WRAS approved.

Geometric Properties
Outside diameter and wall thickness according to EN 1555 and EN 12201. Tolerances of z-sizes depend on the dimension. Up to d/D 160 = +/- 3 mm and from d/D 180 = +/- 10 mm.

Type
Suitable for butt-welding and electrofusion socket-welding.

Short Spigot Bends



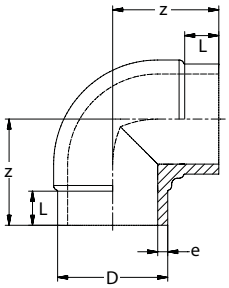


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22425 0690 35	20	1.8	3	27	0.005	
S22425 0790 35	25	2.3	5	32	0.010	1
S22425 0890 35	32	3.0	6	37	0.020	1
S22425 0990 35	40	3.7	8	44	0.030	1
S22425 1090 35	50	4.6	10	51	0.070	1
S22425 1190 35	63	5.8	12	66	0.14	1
S22425 1290 35	75	6.9	14	87	0.25	
S22425 1390 35	90	8.2	15	100	0.35	1
S22425 1490 35	110	10.0	15	118	0.69	1
S22425 1590 35	125	11.4	15	138	1.05	1
S22425 1690 35	140	12.7	20	155	1.45	1
S22425 1790 35	160	14.6	25	178	1.98	1
S22425 1890 35	180	16.4	25	195	2.83	1
S22425 1990 35	200	18.2	20	210	3.91	1
S22425 2090 35	225	20.5	25	236	5.40	1
S22425 2190 35	250	22.7	30	279	7.26	1
S22425 2290 35	280	25.4	40	316	10.5	1
S22425 2390 35	315	28.6	40	352	14.6	1
S22425 2490 35	355	32.2	40	340	17.2	

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22426 1090 35	50	3.0	10	51	0.049	1
S22426 1190 35	63	3.8	12	66	0.080	1
S22426 1290 35	75	4.5	14	87	0.18	1
S22426 1390 35	90	5.4	15	100	0.29	1
S22426 1490 35	110	6.6	15	118	0.49	1
S22426 1590 35	125	7.4	15	138	0.79	1
S22426 1690 35	140	8.3	20	155	1.07	1
S22426 1790 35	160	9.5	25	178	1.54	1
S22426 1890 35	180	10.7	25	195	2.29	1
S22426 1990 35	200	11.9	20	210	3.10	1
S22426 2090 35	225	13.4	25	236	4.19	1
S22426 2190 35	250	14.8	30	279	4.73	1
S22426 2290 35	280	16.6	40	316	6.79	1
S22426 2390 35	315	18.7	40	352	9.49	1

Spigot Elbow 90 short



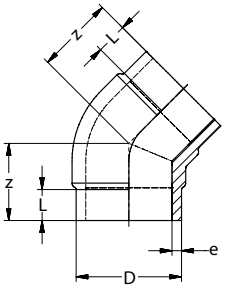


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22415 0790 15	25	2.3	12	36	0.014	1
S22415 0890 15	32	3.0	14	39	0.026	130
S22415 0990 15	40	3.7	16	46	0.046	1
S22415 1090 15	50	4.6	18	47	0.090	1
S22415 1190 15	63	5.8	22	63	0.18	1
S22415 1290 15	75	6.9	25	70	0.24	1
S22415 1390 15	90	8.2	28	91	0.40	1
S22415 1490 15	110	10.0	34	101	0.78	1
S22415 1590 15	125	11.4	42	120	1.25	1
S2415 1690 151	140	12.7	45	125	1.60	1
S22415 1790 15	160	14.6	50	146	2.36	54
S22415 1890 15	180	16.4	55	171	3.29	1
S22415 1990 15	200	18.2	60	188	4.38	1
S22415 2090 15	225	20.5	65	205	6.17	1
S22415 2190 15	250	22.7	70	222	7.80	1
S22415 2290 15	280	25.4	80	259	10.7	1
S22415 2390 15	315	28.6	90	295	14.9	1

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22416 1290 15	75	4.5	25	70	0.22	1
S22416 1390 15	90	5.4	28	91	0.32	1
S22416 1490 15	110	6.6	34	101	0.60	144
S22416 1590 15	125	7.4	42	120	0.89	1
S22416 1690 15	140	8.3	45	125	1.25	1
S22416 1790 15	160	9.5	50	146	1.77	54
S22416 1890 15	180	10.7	55	171	2.49	1
S22416 1990 15	200	11.9	60	188	3.24	1
S22416 2090 15	225	13.4	65	205	4.39	1
S22416 2190 15	250	14.8	70	222	5.96	1
S22416 2290 15	280	16.6	80	259	8.24	1
S22416 2390 15	315	18.7	90	295	11.3	1

Spigot Elbow 45 short



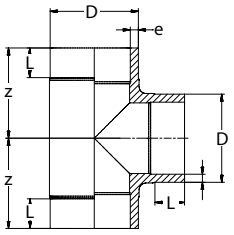


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22415 0745 15	25	2.3	12	21	0.01	300
S22415 0845 15	32	3.0	14	30	0.02	1
S22415 0945 15	40	3.7	16	40	0.05	1
S22415 1045 15	50	4.6	18	42	0.08	1
S22415 1145 15	63	5.8	22	49	0.14	1
S22415 1245 15	75	6.9	25	68	0.17	1
S22415 1345 15	90	8.2	28	66	0.35	1
S22415 1445 15	110	10.0	34	79	0.54	216
S22415 1645 15	140	12.7	45	97	1.30	1
S22415 1745 15	160	14.6	50	108	1.85	1
S22415 1845 15	180	16.4	55	112	2.56	1
S22415 1945 15	200	18.2	60	125	3.33	1
S22415 2045 15	225	20.5	65	131	5.03	1
S22415 2145 15	250	22.7	70	166	6.44	1
S22415 2245 15	280	25.4	80	183	8.84	1
S22415 2345 15	315	28.6	90	200	11.7	1

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22416 1245 15	75	4.5	25	68	0.13	1
S22416 1345 15	90	5.4	28	66	0.27	1
S22416 1445 15	110	6.6	34	79	0.43	120
S22416 1645 15	140	8.3	45	97	0.87	1
S22416 1745 15	160	9.5	50	108	1.31	1
S22416 1845 15	180	10.7	55	112	1.87	1
S22416 1945 15	200	11.9	60	125	2.44	1
S22416 2045 15	225	13.4	65	131	3.37	1
S22416 2145 15	250	14.8	70	166	4.62	1
S22416 2245 15	280	16.6	80	183	6.59	1
S22416 2345 15	315	18.7	90	200	9.06	1

Spigot Tee 90 short



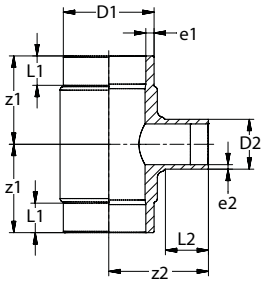


SDR11	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22515 0790 15	25	2.3	12	33	0.025	1
S22515 0890 15	32	3.0	14	37	0.040	85
S22515 0990 15	40	3.7	16	42	0.070	1
S22515 1090 15	50	4.6	18	51	0.14	1
S22515 1190 15	63	5.8	22	67	0.22	1
S22515 1290 15	75	6.9	25	75	0.36	1
S22515 1390 15	90	8.2	28	98	0.67	1
S22515 1490 15	110	10.0	34	109	1.04	1
S22515 1590 15	125	11.4	42	128	1.37	1
S22515 1690 15	140	12.7	45	137	1.98	1
S22515 1790 15	160	14.6	50	152	3.07	1
S22515 1890 15	180	16.4	55	172	4.29	1
S22515 1990 15	200	18.2	60	190	5.65	1
S22515 2090 15	225	20.5	65	215	8.58	1
S22515 2190 15	250	22.7	70	222	9.40	
S22515 2290 15	280	25.4	80	259	17.7	
S22515 2390 15	315	28.6	90	295	22.9	
S22515 2490 15	355	32.2		340	26.9	

SDR17	D (mm)	e (mm)	L (mm)	z (mm)	KG	Box
S22516 1090 35	50	3.0	18	51	0.090	1
S22516 1190 35	63	3.8	22	67	0.17	1
S22516 1290 15	75	4.5	25	75	0.26	360
S22516 1390 35	90	5.4	28	98	0.50	1
S22516 1490 15	110	6.6	34	109	0.88	1
S22516 1590 15	125	7.4	42	128	1.02	1
S22516 1690 15	140	8.3	45	137	1.63	1
S22516 1790 15	160	9.5	50	152	2.58	1
S22516 1890 15	180	10.7	55	172	3.06	1
S22516 1990 15	200	11.9	60	190	4.10	1
S22516 2090 15	225	13.4	65	215	6.19	1
S22516 2190 15	250	14.8	70	222	6.72	
S22516 2290 15	280	16.6	80	259	12.0	
S22516 2390 15	315	18.7	90	295	17.5	

Spigot Red Tee short



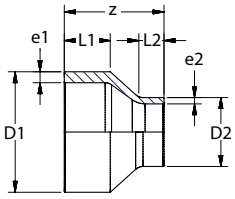


SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	KG	Box
S22525 1108 15	63-32	5.8	3.0	22	15	67	69	0.19	
S22525 1411 15	110-63	10.0	5.8	48	32	120	105	0.90	108
S22525 1413 15	110-90	10.0	8.2	48	38	120	115	0.97	1
S22525 1714 15	160-110	14.6	10.0	56	38	160	145	2.81	1
S22525 1917 15	200-160	18.2	14.6	98	53	194	178	5.20	
S22525 2014 15	225-110	20.5	10.0	89	88	220	264	7.07	1
S22525 2015 15	225-125	20.5	11.4	79	32	185	205	6.39	1
S22525 2017 15	225-160	20.5	14.6	89	60	235	200	7.21	1

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)	KG	Box
S22526 1411 15	110-63	6.6	5.8*	48	32	120	105	0.73	
S22526 1413 15	110-90	6.6	5.4	48	38	120	115	0.75	1
S22526 1714 15	160-110	9.5	6.6	56	38	160	145	2.13	1
S22526 1917 35	200-160	11.9	9.5	134	114	275	265	3.70	
S22526 2014 15	225-110	13.4	6.6	89	88	220	264	5.52	1
S22526 2015 15	225-125	13.4	7.4	79	32	185	205	5.54	1
S22526 2017 15	225-160	13.4	9.5	89	60	235	200	5.51	1

Spigot Reducer short



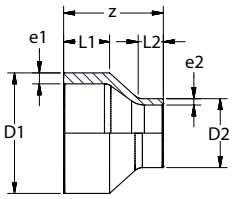


SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S22325 0706 35	25-20	2.3	1.9	12	12	37	0.010	
S22325 0806 35	32-20	3.0	1.9	12	12	43	0.010	
S22325 0807 15	32-25	3.0	2.3	16	14	38	0.010	1
S22325 0906 35	40-20	3.7	1.9	12	12	50	0.020	
S22325 0907 15	40-25	3.7	2.3	19	14	47	0.016	1
S22325 0908 15	40-32	3.7	3.0	19	15	39	0.016	1
S22325 1007 15	50-25	4.6	2.3	19	17	53	0.027	1
S22325 1008 15	50-32	4.6	3.0	18	14	44	0.029	1
S22325 1009 15	50-40	4.6	3.7	20	19	46	0.029	1
S22325 1108 15	63-32	5.8	3.0	23	22	63	0.052	120
S22325 1109 15	63-40	5.8	3.7	24	18	58	0.052	2160
S22325 1110 15	63-50	5.8	4.6	25	20	54	0.059	2160
S22325 1209 35	75-40	6.9	3.7	29	22	70	0.074	1
S22325 1210 35	75-50	6.9	4.6	28	23	71	0.081	1
S22325 1211 35	75-63	6.9	5.8	29	31	70	0.10	1
S22325 1310 15	90-50	8.2	4.6	26	22	73	0.12	1152
S22325 1311 15	90-63	8.2	5.8	29	24	71	0.13	1080
S22325 1312 35	90-75	8.2	6.9	33	33	80	0.16	1
S22325 1410 35	110-50	10.0	4.6	33	29	90	0.21	1
S22325 1411 15	110-63	10.0	5.8	42	23	91	0.26	540
S22325 1412 35	110-75	10.0	6.9	34	35	90	0.25	1
S22325 1413 15	110-90	10.0	8.2	40	28	88	0.27	432
S22325 1511 35	125-63	11.4	5.8	40	34	100	0.30	1
S22325 1512 15	125-75	11.4	6.9	48	31	103	0.32	36
S22325 1513 15	125-90	11.4	8.2	38	30	100	0.39	1
S22325 1514 35	125-110	11.4	10.0	40	48	100	0.40	1
S22325 1612 35	140-75	12.7	6.9	49	37	110	0.46	1
S22325 1613 35	140-90	12.7	8.2	45	28	126	0.44	1
S22325 1614 35	140-110	12.7	10.0	45	34	125	0.50	1
S22325 1615 35	140-125	12.7	11.4	45	42	128	0.55	1
S22325 1713 35	160-90	14.6	8.2	53	37	160	0.67	1
S22325 1714 15	160-110	14.6	10.0	50	39	125	0.74	144
S22325 1715 35	160-125	14.6	11.4	54	45	120	0.70	1
S22325 1716 15	160-140	14.6	12.7	44	43	98	0.81	144
S22325 1813 35	180-90	16.4	8.2	59	37	130	0.99	1
S22325 1814 35	180-110	16.4	10.0	60	40	130	0.99	1
S22325 1815 15	180-125	16.4	11.4	62	42	152	1.05	144
S22325 1816 35	180-140	16.4	12.7	59	46	130	0.97	1
S22325 1817 15	180-160	16.4	14.6	60	55	131	1.21	1
S22325 1915 15	200-125	18.2	11.6	60	45	160	1.35	1
S22325 1916 35	200-140	18.2	12.7	60	48	140	1.26	1
S22325 1917 15	200-160	18.2	14.6	60	54	140	1.52	1
S22325 1920 35	200-180	18.2	16.4	60	61	140	1.42	
S22325 2014 15	225-110	20.5	10.0	68	37	190	1.81	36
S22325 2016 35	225-140	20.5	12.7	65	57	160	1.80	1
S22325 2017 15	225-160	20.5	14.8	65	50	190	2.03	72
S22325 2018 15	225-180	20.5	16.4	65	55	190	2.05	36
S22325 2019 35	225-200	20.5	18.2	71	71	190	1.90	1

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S22326 1009 35	50-40	3.0	2.4	20	19	46	0.022	1
S22326 1108 35	63-32	3.8	1.9	23	22	63	0.033	1
S22326 1109 35	63-40	3.8	2.4	24	18	58	0.038	1
S22326 1110 35	63-50	3.8	3.0	25	20	54	0.040	1
S22326 1209 35	75-40	4.5	2.4	29	22	70	0.051	1
S22326 1210 35	75-50	4.5	3.0	28	23	71	0.055	1
S22326 1211 35	75-63	4.5	3.8	29	31	70	0.062	1
S22326 1310 15	90-50	5.4	4.6*	26	22	73	0.10	1
S22326 1311 15	90-63	5.4	5.8*	29	24	71	0.12	1
S22326 1312 35	90-75	5.4	4.5	33	33	80	0.10	1
S22326 1410 35	110-50	6.6	5.4	33	29	90	0.21	1
S22326 1411 15	110-63	6.6	3.8	42	23	91	0.20	540
S22326 1412 15	110-75	6.6	4.5	34	35	90	0.16	1
S22326 1413 15	110-90	6.6	5.4	40	28	88	0.18	1
S22326 1511 35	125-63	7.4	6.6	40	34	100	0.20	1
S22326 1512 15	125-75	7.4	4.5	48	31	103	0.27	1
S22326 1513 15	125-90	7.4	5.4	38	30	100	0.27	1
S22326 1514 35	125-110	7.4	6.6	40	48	100	0.27	1
S22326 1612 35	140-75	8.3	4.5	49	37	110	0.29	1
S22326 1613 35	140-90	8.3	5.4	45	28	126	0.30	1
S22326 1614 35	140-110	8.3	6.6	45	34	126	0.33	1
S22326 1615 35	140-125	8.3	7.4	45	42	128	0.38	1
S22326 1713 35	160-90	9.5	5.4	53	37	160	0.50	1
S22326 1714 15	160-110	9.5	6.6	50	39	125	0.53	144
S22326 1715 35	160-125	9.5	7.4	54	45	120	0.48	1
S22326 1716 15	160-140	9.5	8.3	44	43	98	0.61	1
S22326 1813 35	180-90	10.7	5.4	59	37	130	0.69	1
S22326 1814 35	180-110	10.7	6.6	60	40	130	0.77	1
S22326 1815 15	180-125	10.7	7.4	62	42	152	0.72	1
S22326 1816 35	180-140	10.7	8.3	59	46	130	0.65	1
S22326 1817 15	180-160	10.7	9.5	60	55	131	1.03	1
S22326 1915 15	200-125	11.9	7.4	60	45	160	1.30	1
S22326 1916 35	200-140	11.9	8.3	60	48	140	0.86	1
S22326 1917 15	200-160	11.9	9.5	60	54	140	1.01	1
S22326 1918 35	200-180	11.9	10.7	60	61	140	0.97	1
S22326 2014 15	225-110	13.4	6.6	68	37	190	1.55	36
S22326 2016 35	225-140	13.4	8.3	65	48	160	1.80	1
S22326 2017 15	225-160	13.4	9.5	65	50	190	1.40	36
S22326 2018 15	225-180	13.4	10.7	65	55	190	1.26	1
S22326 2019 35	225-200	13.4	11.9	71	71	160	1.42	1

Spigot Reducer short contd.





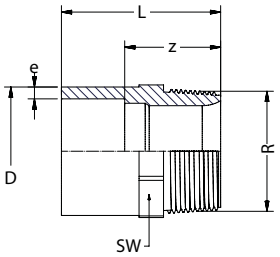
SDR11	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S22325 2117 15	250-160	22.8	14.6	70	50	210	2.65	1
S22325 2118 15	250-180	22.8	16.4	70	55	200	2.73	1
S22325 2119 15	250-200	22.8	18.2	70	60	200	2.96	1
S22325 2120 15	250-225	22.8	20.5	70	65	200	3.03	1
S22325 2218 15	280-180	25.4	16.4	70	54	213	3.64	1
S22325 2219 15	280-200	25.4	18.2	80	60	220	3.81	1
S22325 2220 15	280-225	25.4	20.5	80	65	220	3.90	1
S22325 2221 15	280-250	25.4	22.7	80	70	220	4.29	1
S22325 2319 35	315-200	28.6	18.2	95	85	230	5.10	1
S22325 2320 15	315-225	28.6	20.5	90	64	245	5.19	1
S22325 2321 15	315-250	28.6	22.7	90	70	245	5.56	1
S22325 2322 15	315-280	28.6	25.5	90	80	245	5.77	1
S22325 2420 35	355-225	32.2	20.5	57	40	140	4.70	1
S22325 2421 15	355-250	32.2	22.7	95	70	265	7.19	1
S22325 2422 15	355-280	32.2	25.4	95	80	270	7.50	1
S22325 2423 15	355-315	32.2	28.6	95	90	270	8.03	1
S22325 2522 15	400-280	36.6	25.4	105	80	295	9.77	1
S22325 2523 15	400-315	36.6	28.6	105	90	300	10.5	1
S22325 2524 15	400-355	36.6	32.2	105	95	295	10.9	1
S22325 2623 35	450-315	40.9	28.6	56	40	168	7.82	1
S22325 2624 35	450-355	40.9	32.2	52	43	143	8.45	
S22325 2625 35	450-400	40.9	36.4	60	57	143	7.60	1
S22325 2724 35	500-355	45.4	32.2	57	38	161	9.30	1
S22325 2725 35	500-400	45.4	36.3	57	58	160	9.60	1
S22325 2726 35	500-450	45.4	41.0	60	40	120	9.80	1
S22325 2825 35	560-400	50.8	36.6	72	37	196	15.9	1
S22325 2826 35	560-450	50.8	40.9	79	60	196	14.7	1
S22325 2827 35	560-500	50.8	45.4	77	75	177	14.8	1
S22325 2926 35	630-450	57.2	40.9	60	40	200	21.3	1
S22325 2927 35	630-500	57.2	45.5	67	40	150	21.1	1
S22325 2928 35	630-560	57.2	51.0	64	40	130	19.2	1

SDR17	D1-D2 (mm)	e1 (mm)	e2 (mm)	L1 (mm)	L2 (mm)	z (mm)	KG	Box
S22326 2117 15	250-160	14.8	9.5	70	50	210	2.32	1
S22326 2118 15	250-180	14.8	10.7	70	55	200	2.37	1
S22326 2119 15	250-200	14.8	11.9	70	60	200	2.55	1
S22326 2120 15	250-225	14.8	13.4	70	65	200	2.54	1
S22326 2218 15	280-180	16.6	10.7	70	54	213	3.26	1
S22326 2219 15	280-200	16.6	11.9	80	60	220	3.45	1
S22326 2220 15	280-225	16.6	13.4	80	65	220	3.49	1
S22326 2221 15	280-250	16.6	14.8	80	70	220	3.53	1
S22326 2319 35	315-200	18.7	11.9	95	85	230	3.40	1
S22326 2320 15	315-225	18.7	13.4	90	64	245	4.88	1
S22326 2321 15	315-250	18.7	14.8	90	70	245	4.79	1
S22326 2322 15	315-280	18.7	16.6	90	80	245	4.82	1
S22326 2420 35	355-225	21.1	13.4	57	40	140	6.10	1
S22326 2421 15	355-250	21.1	14.8	95	70	265	6.16	1
S22326 2422 15	355-280	21.1	16.6	95	80	270	6.56	1
S22326 2423 15	355-315	21.1	18.7	95	90	270	6.71	1
S22326 2522 15	400-280	23.7	16.6	105	80	295	8.67	1
S22326 2523 15	400-315	23.7	18.7	105	90	300	8.93	1
S22326 2524 15	400-355	23.7	16.6	105	95	295	9.06	1
S22326 2623 35	450-315	26.7	18.7	65	40	173	6.42	1
S22326 2624 35	450-355	26.7	21.1	65	45	158	5.48	
S22326 2625 35	450-400	26.7	23.7	65	50	140	5.80	1
S22326 2724 35	500-355	29.7	21.1	60	40	173	7.60	1
S22326 2725 35	500-400	29.7	23.7	60	45	155	6.60	1
S22326 2726 35	500-450	29.7	26.7	60	45	130	6.62	1
S22326 2825 35	560-400	33.2	23.7	70	40	190	10.5	1
S22326 2826 35	560-450	33.2	26.7	70	50	175	10.8	1
S22326 2827 35	560-500	33.2	29.7	70	55	155	11.4	1
S22326 2926 35	630-450	37.4	26.7	70	45	205	16.6	1
S22326 2927 35	630-500	37.4	29.7	70	50	185	13.6	1
S22326 2928 35	630-560	37.4	33.2	70	55	160	12.5	1
S22326 3028 35	710-560	42.1	33.2	60	45	180	15.7	1
S22326 3029 35	710-630	42.1	37.4	60	50	150	15.3	1
S22326 3130 35	800-710	47.4	42.1	70	50	165	25.1	1
S22326 3231 35	900-800	53.3	47.4	60	45	155	25.1	1
S22326 3332 35	1000-900	59.3	53.3	70	50	170	34.5	1

PE100 Transition short SDR11

Operating pressure 0,8 MPa (for water at 20ºC)

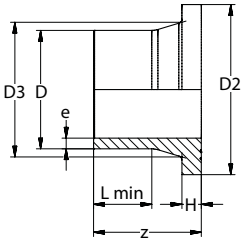




SDR11	D x R (mm x inch)	e (mm)	L (mm)	z (mm)	SW (mm)	KG	Box
S22615 0773 15	25 x 1/2	2.3	45	29	26	0.012	9360
S22615 0775 15	25 x 3/4	2.3	47	31	26	0.013	10800
S22615 0875 15	32 x 3/4	3.0	47	31	34	0.017	7200
S22615 0876 15	32 x 1	3.0	48	35	43	0.021	5400
S22615 0976 15	40 x 1	3.7	58	36	44	0.032	4320
S22615 0977 15	40 x 1 1/4	3.7	59	39	44	0.034	3600
S22615 1077 15	50 x 1 1/4	4.6	63	43	49	0.050	2160
S22615 1078 15	50 x 1 1/2	4.6	65	46	49	0.056	2160
S22615 1178 15	63 x 1 1/2	5.8	72	52	65	0.082	1620
S22615 1180 15	63 x 2	5.8	76	52	65	0.090	

Spigot Flange adaptor short





SDR11	D (mm)	e (mm)	D2 (mm)	D3 (mm)	H (mm)	L min (mm)	z (mm)	KG	Box
S22335 07F0 15	25	2.3	58	33	9	18	35	0.031	
S22335 08F0 15	32	3.0	68	40	10	18	40	0.043	
S22335 09F0 15	40	3.7	78	50	11	18	40	0.064	
S22335 10F0 15	50	4.6	88	61	12	23	60	0.095	
S22335 11F0 15	63	5.8	102	75	14	31	75	0.16	
S22335 12F0 15	75	6.9	122	89	16	34	80	0.25	
S22335 13F0 15	90	8.2	138	105	17	43	90	0.35	
S22335 14F0 15	110	10.0	158	125	18	47	100	0.54	
S22335 15F0 15	125	11.4	158	132	25	55	110	0.66	
S22335 16F0 15	140	12.7	188	155	25	53	116	0.97	
S22335 17F0 15	160	14.6	212	175	25	64	127	1.25	
S22335 18F0 15	180	16.4	212	180	30	108	138	1.46	
S22335 19F0 15	200	18.2	268	232	32	63	145	2.48	
S22335 20F0 15	225	20.5	268	235	32	78	150	2.52	
S22335 21F0 15	250	22.7	320	285	35	73	158	3.86	
S22335 22F0 15	280	25.4	320	291	35	105	180	4.29	
S22335 23F0 15	315	28.6	370	335	35	105	190	6.00	
S22335 24F0 15	355	32.2	430	373	40	120	210	8.75	
S22335 25F0 15	400	36.3	475	427	46	124	225	12.0	
S22335 26F0 15	450	40.9	575	514	60	170	300	13.8	
S22335 27F0 15	500	45.4	685	530	60	175	295	24.0	
S22335 28F0 35	560	50.8	685	615	60	10	130	18.5	
S22335 29F0 15	630	57.2	685	642	60	195	305	21.6	
S22335 30F0 35	710	64.5	by request						
S22335 31F0 35	800	72.6	by request						
S22335 32F0 35	900	81.7	by request						
S22335 33F0 35	1000	90.8	by request						

SDR17	D (mm)	e (mm)	D2 (mm)	D3 (mm)	H (mm)	L min (mm)	z (mm)	KG	Box
S22336 10F0 35	50	2.9	88	61	12	23	60	0.070	
S22336 11F0 35	63	3.8	102	75	14	31	75	0.11	
S22336 12F0 15	75	4.5	122	89	16	34	80	0.21	
S22336 13F0 15	90	5.4	138	105	17	43	90	0.30	
S22336 14F0 15	110	6.6	158	125	18	47	100	0.46	
S22336 15F0 15	125	7.4	158	132	18	62	110	0.45	
S22336 16F0 15	140	8.3	188	155	18	67	120	0.69	
S22336 17F0 15	160	9.5	212	175	18	74	127	0.91	
S22336 18F0 15	180	10.7	212	180	20	108	138	0.98	
S22336 19F0 15	200	11.9	268	232	24	81	145	1.80	
S22336 20F0 15	225	13.4	268	235	24	86	150	1.77	
S22336 21F0 15	250	14.8	320	285	25	83	158	2.72	
S22336 22F0 15	280	16.6	320	291	25	95	180	3.02	
S22336 23F0 15	315	18.7	370	335	25	115	190	4.24	
S22336 24F0 15	355	21.1	430	373	30	120	200	6.27	
S22336 25F0 15	400	23.7	482	427	33	122	210	8.20	
S22336 26F0 15	450	26.7	575	514	46	184	300	9.80	
S22336 27F0 15	500	29.7	575	530	46	189	295	17.0	
S22336 28F0 35	560	33.2	685	615	50	10	120	12.3	
S22336 29F0 15	630	37.4	685	642	50	205	305	12.8	
S22336 30F0 35	710	42.1	800	737	50	20	120	18.9	
S22336 31F0 35	800	47.4	905	840	52	18	120	24.3	
S22336 32F0 35	900	53.3	1005	944	55	15	120	33.3	
S22336 33F0 35	1000	59.3	1110	1047	60	10	140	43.0	

For backing rings see page 11.

PE100 Fittings SDR11/17 black WRAS approved: With long spigots, for butt-welding and electrofusion socket welding.utside diameter and wall thickness according to EN 1555 and EN 12201.
Angles: Tolerances +/- 3º
Suitable for butt-welding and electrofusion socket-welding.

Seamless Pipe Bends 90 degree



SDR11	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12433119025	63	5.8	100	95	160	0.40	1
S12433129025	75	6.9	100	113	170	0.70	1
S12433139025	90	8.2	265	135	400	1.6	1
S12433149025	110	10.0	240	165	405	2.4	1
S12433159025	125	11.4	220	188	408	3.1	1
S12433169025	140	12.7	265	210	475	4.5	1
S12433179025	160	14.6	245	240	485	5.9	1
S12433189025	180	16.4	285	270	555	8.6	1
S12433199025	200	18.2	260	300	560	10.6	1
S12433209025	225	20.5	235	338	573	15.0	1
S12433219025	250	22.7	270	375	645	18.4	1
S12433229025	280	25.4	235	420	655	23.2	1
S12433239025	315	28.6	255	470	725	32.5	1
S12433249025	355	32.2	270	530	800	75.4	1
S12433259025	400	36.3	300	637	1050	72.70	1
S12433269025	450	40.9	300	711	1150	100.60	1
S12433279025	500	45.4	350	783	1300	140.90	1
S12433289025	560	50.8	350	877	1350	181.20	1
S12433299025	630	57.2	350	965	1600	275.60	1
S12433309025	710	64.5	350	1128	1900	416.20	1
S12433319025	800	72.6	350	1274	2000	549.80	1
S12433329025	900	81.7	400	1430	2200	763.20	1

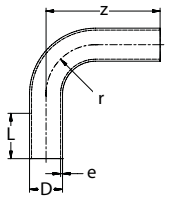
SDR17	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12434119025	63	3.8	100	95	220	0.30	1
S12434129025	75	4.5	100	113	260	0.50	1
S12434139025	90	5.4	265	135	400	1.1	1
S12434149025	110	6.6	240	165	405	1.7	1
S12434159025	125	7.4	220	188	408	2.1	1
S12434169025	140	8.3	320	210	475	3.1	1
S12434179025	160	9.5	245	240	485	4.0	1
S12434189025	180	10.7	285	270	555	5.8	1
S12434199025	200	11.9	260	300	560	7.2	1
S12434209025	225	13.4	235	338	573	10.2	1
S12434219025	250	14.8	270	375	645	12.5	1
S12434229025	280	16.6	235	420	655	15.7	1
S12434239025	315	18.7	255	470	725	22.1	1
S12434249025	355	21.1	270	530	800	30.9	1
S12434259025	400	23.7	300	637	1050	49.10	1
S12434269025	450	26.7	300	711	1150	68.00	1
S12434279025	500	29.7	350	783	1300	95.30	1
S12434289025	560	33.2	350	877	1350	122.50	1
S12434299025	630	37.4	350	955	1600	186.40	1
S12434309025	710	42.1	350	1128	1900	281.10	1
S12434319025	800	47.4	350	1274	2000	371.40	1
S12434329025	900	53.3	400	1430	2200	515.20	1

Seamless Pipe Bends 60 degree

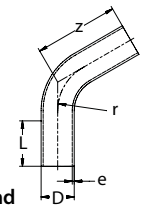


SDR11	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12433116025	63	5.8	100	95	180	0.30	1
S12433126025	75	6.9	100	113	220	0.60	1
S12433136025	90	8.2	300	135	378	1.6	1
S12433146025	110	10.0	280	165	375	2.4	1
S12433156025	125	11.4	270	188	379	3.1	1
S12433166025	140	12.7	320	210	441	4.5	1
S12433176025	160	14.6	310	240	449	5.9	1
S12433186025	180	16.4	355	270	511	8.6	1
S12433196025	200	18.2	355	300	508	10.6	1
S12433206025	225	20.5	325	338	520	15.0	1
S12433216025	250	22.7	365	375	582	18.4	1
S12433226025	280	25.4	304	420	585	23.2	1
S12433236025	315	28.6	380	470	651	32.5	1
S12433246025	355	32.2	410	530	716	45.4	1
S12433256025	400	36.3	300	637	780	59.40	1
S12433266025	450	40.9	300	711	820	78.90	1
S12433276025	500	45.4	300	783	960	114.20	1
S12433286025	560	50.8	350	877	980	145.50	1
S12433296025	630	57.2	350	955	1200	226.90	1
S12433306025	710	64.5	350	1128	1450	348.80	1
S12433316025	800	72.6	350	1274	1500	455.90	1
S12433326025	900	81.7	400	1430	1650	634.20	1

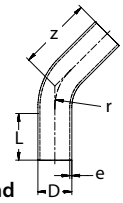
SDR17	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12434116025	63	3.8	100	95	180	0.20	1
S12434126025	75	4.5	100	113	220	0.40	1
S12434136025	90	5.4	300	135	378	1.1	1
S12434146025	110	6.6	280	165	375	1.7	1
S12434156025	125	7.4	270	188	379	2.1	1
S12434166025	140	8.3	320	210	441	3.1	1
S12434176025	160	9.5	310	240	449	4.0	1
S12434186025	180	10.7	355	270	511	5.8	1
S12434196025	200	11.9	335	300	508	7.2	1
S12434206025	225	13.4	325	338	520	10.2	1
S12434216025	250	14.8	356	375	582	12.5	1
S12434226025	280	16.6	304	420	582	15.7	1
S12434236025	315	18.7	380	470	651	22.1	1
S12434246025	355	21.1	410	530	716	30.9	1
S12434256025	400	23.7	300	637	780	40.10	1
S12434266025	450	26.7	300	711	820	53.30	1
S12434276025	500	29.7	300	783	960	77.30	1
S12434286025	560	33.2	350	877	980	98.40	1
S12434296025	630	37.4	350	955	1200	153.30	1
S12434306025	710	42.1	350	1128	1450	235.60	1
S12434316025	800	47.4	350	1274	1500	307.90	1
S12434326025	900	53.3	400	1430	1650	428.10	1



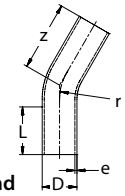
90º Bend



60º Bend



45º Bend



30º Bend

Seamless Pipe Bends 45 degree



SDR11	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12433114525	63	5.8	100	95	170	0.30	1
S12433124525	75	6.9	100	113	180	0.40	1
S12433134525	90	8.2	320	135	376	1.6	1
S12433144525	110	10.0	305	165	373	2.4	1
S12433154525	125	11.4	295	188	373	3.1	1
S12433164525	140	12.7	350	210	437	4.5	1
S12433174525	160	14.6	340	240	439	5.9	1
S12433184525	180	16.4	390	270	502	8.6	1
S12433194525	200	18.2	375	300	499	10.6	1
S12433204525	225	20.5	365	338	505	15.0	1
S12433214525	250	22.7	415	375	570	18.4	1
S12433224525	280	25.4	395	420	569	23.2	1
S12433234525	315	28.6	440	470	635	32.5	1
S12433244525	355	32.2	480	530	700	45.4	1
S12433254525	400	36.3	300	637	670	52.20	1
S12433264525	450	40.9	300	711	750	74.10	1
S12433274525	500	45.4	300	783	900	109.90	1
S12433284525	560	50.8	350	877	950	145.20	1
S12433294525	630	57.2	350	955	1000	193.50	1
S12433304525	710	64.5	350	1128	1300	320.30	1
S12433314525	800	72.6	350	1274	1400	437.10	1
S12433324525	900	81.7	400	1430	1500	592.30	1

SDR17	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12434114525	63	3.8	100	95	170	0.20	1
S12434124525	75	4.5	100	113	180	0.30	1
S12434134525	90	5.4	320	135	376	1.1	1
S12434144525	110	6.6	305	165	373	1.7	1
S12434154525	125	7.4	295	188	373	2.1	1
S12434164525	140	8.3	350	210	437	3.1	1
S12434174525	160	9.5	340	240	439	4.0	1
S12434184525	180	10.7	390	270	502	5.8	1
S12434194525	200	11.9	375	300	499	7.2	1
S12434204525	225	13.4	365	338	505	10.2	1
S12434214525	250	14.8	415	375	570	12.5	1
S12434224525	280	16.6	395	420	569	15.7	1
S12434234525	315	18.7	440	470	635	22.1	1
S12434244525	355	21.1	480	530	700	30.9	1
S12434254525	400						1
S12434264525	450	26.7	300	711	750	50.10	1
S12434274525	500	29.7	300	783	900	74.40	1
S12434284525	560	33.2	350	877	950	98.20	1
S12434294525	630	37.4	350	955	1000	130.90	1
S12434304525	710	42.1	350	1128	1300	216.30	1
S12434314525	800	47.4	350	1274	1400	285.30	1
S12434324525	900	53.3	400	1430	1500	399.80	1

Seamless Pipe Bends 30 degree

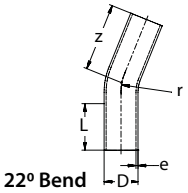


SDR11	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12433113025	63	5.8	100	95	160	0.30	1
S12433123025	75	6.9	100	113	170	0.50	1
S12433133025	90	8.2	335	135	371	1.6	1
S12433143025	110	10.0	325	165	369	2.4	1
S12433153025	125	11.4	320	188	370	3.1	1
S12433163025	140	12.7	380	210	436	4.5	1
S12433173025	160	14.6	370	240	434	5.9	1
S12433183025	180	16.4	425	270	497	8.6	1
S12433193025	200	18.2	420	300	310	10.6	1
S12433203025	225	20.5	410	338	501	15.0	1
S12433213025	250	22.7	460	375	560	18.4	1
S12433223025	280	25.4	450	420	563	23.2	1
S12433233025	315	28.6	500	470	626	32.5	1
S12433243025	355	32.2	550	530	692	45.4	1
S12433253025	400	36.3	300	637	650	51.40	1
S12433263025	450	40.9	300	711	700	70.20	1
S12433273025	500	45.4	300	783	750	92.70	1
S12433283025	560	50.8	350	877	800	123.90	1
S12433293025	630	57.2	350	955	850	166.80	1
S12433303025	710	64.5	350	1128	1150	287.00	1
S12433313025	800	72.6	350	1274	1250	395.60	1
S12433323025	900	81.7	400	1430	1350	540.70	1

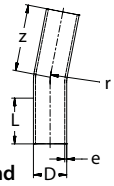
SDR17	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12434113025	63	3.8	100	95	160	0.20	1
S12434123025	75	4.5	100	113	170	0.30	1
S12434133025	90	5.4	335	135	371	1.1	1
S12434143025	110	6.6	325	165	369	1.7	1
S12434153025	125	7.4	320	188	370	2.1	1
S12434163025	140	8.3	380	210	436	3.1	1
S12434173025	160	9.5	370	240	434	4.0	1
S12434183025	180	10.7	425	270	497	5.8	1
S12434193025	200	11.9	420	300	310	7.2	1
S12434203025	225	13.4	410	338	501	10.2	1
S12434213025	250	14.8	460	375	560	12.5	1
S12434223025	280	16.6	450	420	563	15.7	1
S12434233025	315	18.7	500	470	626	22.1	1
S12434243025	355	21.1	550	530	692	30.9	1
S12434253025	400	23.7	300	637	650	34.70	1
S12434263025	450	26.7	300	711	700	47.40	1
S12434273025	500	29.7	300	783	750	62.80	1
S12434283025	560	33.2	350	877	800	83.80	1
S12434293025	630	37.4	350	955	850	112.80	1
S12434303025	710	42.1	350	1128	1150	193.80	1
S12434313025	800	47.4	350	1274	1250	267.20	1
S12434323025	900	53.3	400	1430	1350	365.00	1

Seamless Pipe Bends 22 degree





22º Bend



11º Bend

SDR11	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12433112225	63	5.8	100	95	160	0.30	1
S12433122225	75	6.9	100	113	170	0.50	1
S12433132225	90	8.2	345	135	371	1.6	1
S12433142225	110	10.0	340	165	372	2.4	1
S12433152225	125	11.4	355	188	372	3.1	1
S12433162225	140	12.7	390	210	431	4.5	1
S12433172225	160	14.6	385	240	432	5.9	1
S12433182225	180	16.4	445	270	497	8.6	1
S12433192225	200	18.2	435	300	493	10.6	1
S12433202225	225	20.5	435	338	501	15.0	1
S12433212225	250	22.7	490	375	563	18.4	1
S12433222225	280	25.4	480	420	562	23.2	1
S12433232225	315	28.6	535	470	626	32.5	1
S12433242225	355	32.2	585	530	688	45.4	1
S12433252225	400	36.3	300	637	650	51.60	1
S12433262225	450	40.9	300	711	700	70.50	1
S12433272225	500	45.4	350	783	750	93.10	1
S12433282225	560	50.8	350	877	800	124.50	1
S12433292225	630	57.2	350	955	850	167.50	1
S12433302225	710	64.5	350	1128	1150	288.00	1
S12433312225	800	72.6	350	1274	1250	397.10	1
S12433322225	900	81.7	400	1430	1350	542.90	1

SDR17	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12434112225	63	3.8	100	95	160	0.20	1
S12434122225	75	4.5	100	113	170	0.30	1
S12434132225	90	5.4	345	135	371	1.1	1
S12434142225	110	6.6	340	165	372	1.7	1
S12434152225	125	7.4	355	188	372	2.1	1
S12434162225	140	8.3	390	210	431	3.1	1
S12434172225	160	9.5	385	240	432	4.0	1
S12434182225	180	10.7	445	270	497	5.8	1
S12434192225	200	11.9	435	300	493	7.2	1
S12434202225	225	13.4	435	338	501	10.2	1
S12434212225	250	14.8	490	375	563	12.5	1
S12434222225	280	16.6	480	420	562	15.7	1
S12434232225	315	18.7	535	470	626	22.1	1
S12434242225	355	21.1	585	530	688	30.9	1
S12434252225	400	23.7	300	637	650	34.90	1
S12434262225	450	26.7	300	711	700	47.60	1
S12434272225	500	29.7	300	783	750	63.00	1
S12434282225	560	33.2	350	877	800	84.10	1
S12434292225	630	37.4	350	955	850	113.30	1
S12434302225	710	42.1	350	1128	1150	194.50	1
S12434312225	800	47.4	350	1274	1250	268.20	1
S12434322225	900	53.3	400	1430	1350	366.40	1

Seamless Pipe Bends 11 degree



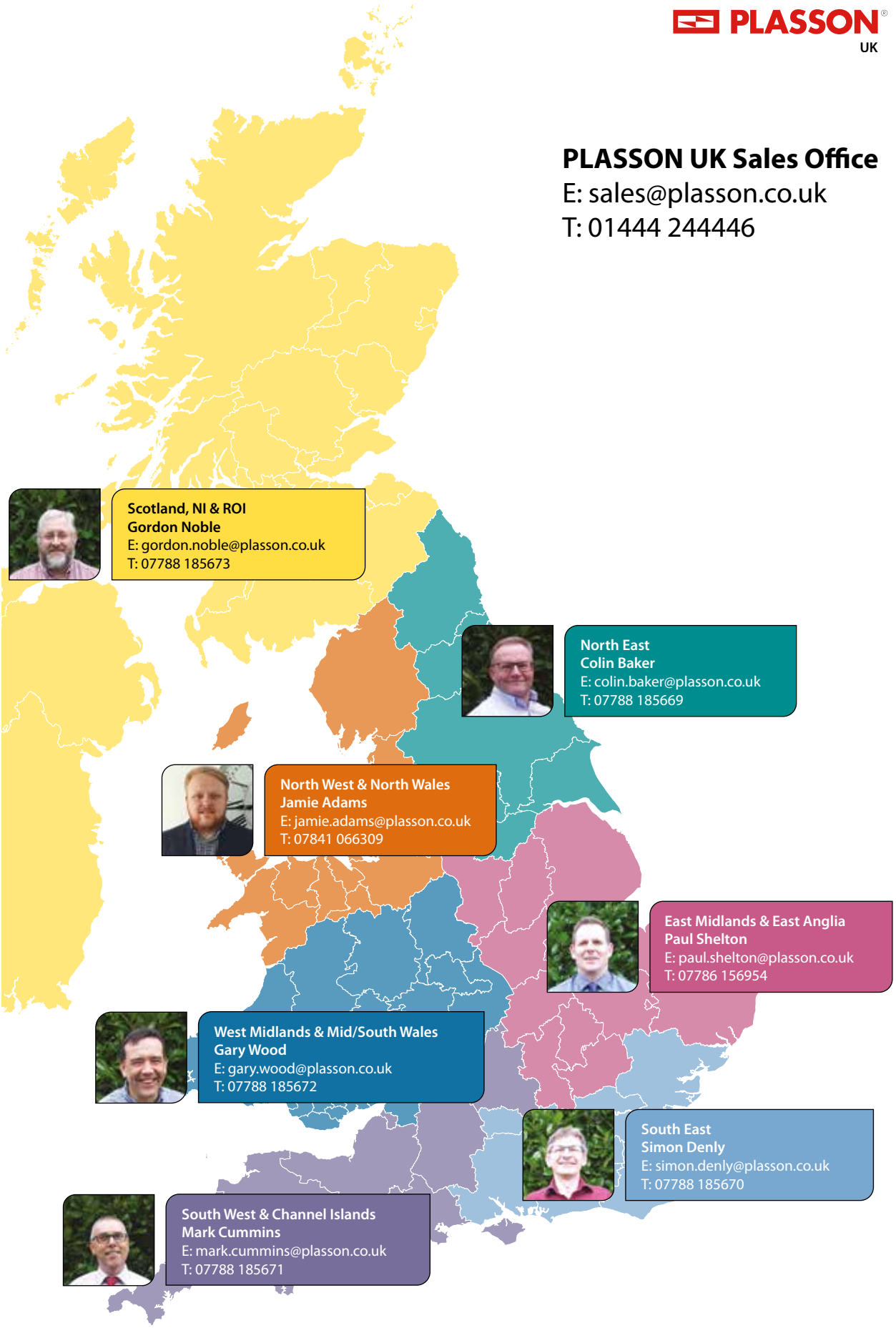
SDR11	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12433111125	63	5.8	100	95	160	0.30	1
S12433121125	75	6.9	100	113	170	0.50	1
S12433131125	90	8.2	360	135	373	1.6	1
S12433141125	110	10.0	355	165	371	2.4	1
S12433151125	125	11.4	355	188	373	3.1	1
S12433161125	140	12.7	415	210	435	4.5	1
S12433171125	160	14.6	410	240	433	5.9	1
S12433181125	180	16.4	470	270	496	8.6	1
S12433191125	200	18.2	465	300	494	10.6	1
S12433201125	225	20.5	465	338	498	15.0	1
S12433211125	250	22.7	525	375	561	18.4	1
S12433221125	280	25.4	520	420	560	23.2	1
S12433231125	315	28.6	580	470	625	32.5	1
S12433241125	355	32.2	635	530	686	45.4	1
S12433251125	400	36.3	300	637	650	51.70	1
S12433261125	450	40.9	300	711	700	70.60	1
S12433271125	500	45.4	300	783	750	93.30	1
S12433281125	560	50.8	350	877	800	124.70	1
S12433291125	630	57.2	350	955	850	167.90	1
S12433301125	710	64.5	350	1128	1150	288.60	1
S12433311125	800	72.6	350	1274	1250	397.90	1
S12433321125	900	81.7	400	1430	1350	544.10	1

SDR17	D (mm)	e (mm)	L (mm)	r (mm)	z (mm)	KG	Box
S12434111125	63	3.8	100	95	160	0.20	1
S12434121125	75	4.5	100	113	170	0.30	1
S12434131125	90	5.4	360	135	373	1.1	1
S12434141125	110	6.6	355	165	371	1.7	1
S12434151125	125	7.4	355	188	373	2.1	1
S12434161125	140	8.3	415	210	435	3.1	1
S12434171125	160	9.5	410	240	433	4.0	1
S12434181125	180	10.7	470	270	496	5.8	1
S12434191125	200	11.9	465	300	494	7.2	1
S12434201125	225	13.4	465	338	498	10.2	1
S12434211125	250	14.8	525	375	561	12.5	1
S12434221125	280	16.6	520	420	560	15.7	1
S12434231125	315	18.7	580	470	625	22.1	1
S12434241125	355	21.1	635	530	686	32.9	1
S12434251125	400	23.7	300	637	650	34.90	1
S12434261125	450	26.7	300	711	700	47.70	1
S12434271125	500	29.7	300	783	750	63.20	1
S12434281125	560	33.2	350	877	800	84.30	1
S12434291125	630	37.4	350	955	850	113.60	1
S12434301125	710	42.1	350	1128	1150	194.90	1
S12434311125	800	47.4	350	1274	1250	268.80	1
S12434321125	900	53.3	400	1430	1350	367.30	1

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