



SIMONA

2026

PP, PPS, PVDF,

ECTFE

Gross Price List
Pipes, Fittings, Valves

Notes

Stock availability of products

Bold type	■ Ready for dispatch (main warehouse Ringsheim/Kirn)
Light-faced type	■ Pipes and fittings supplied on request (quantity-dependent)

Inhalt

Contents
Index

SIMONA

1	PP	1.1 PP Pipes 1.2 PP Fittings
2	PPs	2.1 PPs Pipes for ventilation pipes 2.2 PPs fittings for ventilation pipes
3	PVDF	3.1 PVDF Pipes 3.2 PVDF Fittings
4	ECTFE	4.1 ECTFE Pipes
5	SIMODUAL²	5.1 PE/PE Pipes 5.2 PE/PE Fittings 5.3 PP/PE Pipes 5.4 PP/PE Fittings 5.5 PVDF/PE Pipes 5.6 PVDF/PE Fittings
6	Flanges	6.1 Fittings for flange assemblies 6.2 Accessories
7	Valves	7.1 PP Valves manually operated 7.2 PVDF Valves manually operated 7.3 Butterfly valve manually operated 7.4 Accessories

■	1 PP	
	1.1 PP Pipes	
	PP Pressure pipes	8
	PP Ventilation pipes	11
	1.2 PP Fittings	
	1.2.1 PP Fittings with short spigots	
	PP Bends 90 °	14
	PP Stub flanges for loose flange ISO/DIN, injected	16
	PP Stub flanges for loose flange ISO/DIN, with chamfer, injected	18
	PP Stub flanges for loose flange ISO/DIN, machined	19
	PP Stub flanges for loose flange ANSI	20
	PP Stub flange, machined, short, for ANSI loose flange	21
	PP Stub flange for loose flange JIS	22
	PP Tees, injected	23
	PP Tees with reduced branch, injected	25
	PP Reducers concentric, injected, short	26
	PP-R Reducers concentric, injected, short	28
	PP Reducers concentric, machined	30
	PP End caps, machined	32
	PP Threaded plugs	33
	PP Fixing points for pipe clamps	34
	PP Unions, with FPM seal	35
	PP Unions, with EPDM seal	36
	PP-H Union bush, injected	37
	PP-H Union insert, injected	38
	PP Union nut, injected	39
	1.2.2 PP Fittings with elongated spigots	
	PP Elbows 45 °, injected	42
	PP Elbows 90 °, injected	43
	PP Bends 90 °, injected	44
	PP Bends 30 °, seamless	45
	PP Bends 45 °, seamless	46
	PP Bends 60 °, seamless	47
	PP Bends 90 °, seamless	48
	PP Bends 30 °, segment welded	49

■ 1 PP

PP Bends 45°, segment welded	50
PP Bends 60°, segment welded	51
PP Bends 90°, segment welded	52
PP-R Reducers concentric, injected, elongated	53
PP Stub flanges for loose flange ISO/DIN	54
PP Stub flanges for loose flange ANSI	55
PP Tees, injected	56
PP Tees, segment welded	57
PP Tees with reduced branch, injected	59
PP Tees with reduced branch, welded	60
PP Tees with reduced branch, welded, reinforced	63
PP Tees with reduced branch with internal thread	66
PP Branches 45°, injected	69
PP Reducers eccentric	70
PP End caps	71
PP Adaptors with threaded female end	72
PP Adaptors with threaded male end	73

1.2.3 PP Fittings for socket welding

PP Elbows 45°, injected, for socket welding	76
PP Elbows 90°, injected, for socket welding	77
PP Stub flanges for socket welding for loose flange ISO/DIN	78
PP Stub flanges for socket welding for loose flange ANSI	79
PP Tees, injected, for socket welding	80
PP Sockets	81
PP Reducers concentric	82
PP End caps for socket welding	83
PP Unions with conical thread R	84
PP-H Union bush, injected, for socket welding	85
PP-H Union insert, injected, for socket welding	86
PP Union nut, injected, for socket welding	87
PP Adaptors with threaded female end Rp	88
PP Adaptors with threaded male end R	89

1.2.4 PP Electrofusion fittings

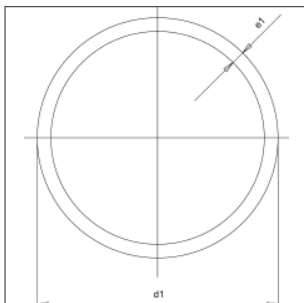
PP Electrofusion sockets - pressure PN 12,5	92
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■	1	PP		
	1.1	PP Pipes		1.1
		PP Pressure pipes		8
		PP Ventilation pipes		11

PP Pressure pipes (SDR 41/33/26/17.6/11)

SIMONA

1.1



Material

PP-H

Colour

grey - RAL 7032

Dimensions

DIN 8077/8078, DIN EN ISO 15494/C, standard length 5 m

Remark

pipes in other SDR-series on request, pipes made of PP-R or PP-B on request

Product image for illustration purposes only.

Art.code: PP0100-PLUS-RO-EX-GR09300-

0301

SDR	d (mm)	e (mm)	PN (bar)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
11	10	1.8	20	5	0.05	010000716	1,30
11	12	1.8	16	5	0.06	010000717	1,70
11	16	1.8	16	5	0.08	010013652	1,65
11	20	1.9	10	5	0.11	010000720	2,15
11	25	2.3	10	5	0.16	010000722	2,80
11	32	2.9	10	5	0.26	010000724	4,05
11	40	3.7	10	5	0.41	010000726	5,05
11	50	4.6	10	5	0.64	010000730	7,60
11	63	5.8	10	5	1.01	010000733	11,90
11	75	6.8	10	5	1.4	010000736	16,70
11	90	8.2	10	5	2.03	010000740	23,75
11	110	10.0	10	5	3.01	010000745	35,10
11	125	11.4	10	5	3.91	010000749	46,05
11	140	12.7	10	5	4.87	010000752	58,00
11	160	14.6	10	5	6.39	010000757	73,70
11	180	16.4	10	5	8.07	010000760	100,30
11	200	18.2	10	5	9.95	010000765	121,65
11	225	20.5	10	5	12.6	010000768	154,65
11	250	22.7	10	5	15.5	010000772	196,70
11	280	25.4	10	5	19.4	010000775	237,20
11	315	28.6	10	5	24.6	010000780	306,05
11	355	32.2	10	5	31.2	010000784	464,05
11	400	36.3	10	5	39.6	010000789	585,35
11	450	40.9	10	5	50.1	010003083	740,10
11	500	45.4	10	5	61.8	010000796	898,85
17.6	25	1.8	6.3	5	0.13	010000721	2,50
17.6	32	1.8	6	5	0.17	010000723	3,40
17.6	40	2.3	6	5	0.27	010000725	3,80
17.6	50	2.9	6	5	0.42	010000728	5,35
17.6	63	3.6	6	5	0.66	010000732	8,00
17.6	75	4.3	6	5	0.94	010000735	11,30
17.6	90	5.1	6	5	1.33	010000739	15,95
17.6	110	6.3	6	5	1.99	010000744	23,25
17.6	125	7.1	6	5	2.55	010000748	31,65
17.6	140	8.0	6	5	3.2	010000751	38,65
17.6	160	9.1	6	5	4.17	010000756	49,45
17.6	180	10.2	6	5	5.25	010000759	65,50
17.6	200	11.4	6	5	6.5	010000764	78,10
17.6	225	12.8	6	5	8.19	010000767	101,95
17.6	250	14.2	6	5	10.1	010000771	128,00
17.6	280	15.9	6	5	12.6	010000774	156,90
17.6	315	17.9	6	5	16	010000779	199,35
17.6	355	20.1	6	5	20.3	010000783	296,65
17.6	400	22.7	6	5	25.7	010000788	373,95
17.6	450	25.5	6	5	32.5	010003082	465,40
17.6	500	28.4	6	5	40.2	010000795	573,15
17.6	560	31.7	6	5	50.3	010000798	718,40
17.6	630	35.7	6	5	63.7	010000799	910,20

PP Pressure pipes (SDR 41/33/26/17.6/11)



Art.code: PP0100-PLUS-RO-EX-GR09300-

0301

1.1

SDR	d (mm)	e (mm)	PN (bar)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
17.6	710	40.2	6	5	80.8	010000800	1.154,35
17.6	800	45.3	6	5	103	010000801	1.471,25
26	40	1.8	4	5	0.22	010001197	3,30
26	50	2.0	4	5	0.3	010001198	4,35
26	63	2.5	4	5	0.47	010001200	6,60
26	75	2.9	4	5	0.65	010001202	9,05
26	90	3.5	4	5	0.94	010000738	12,85
26	110	4.2	4	5	1.37	010000743	18,00
26	125	4.8	4	5	1.77	010000747	23,05
26	140	5.4	4	5	2.23	010001206	28,25
26	160	6.2	4	5	2.92	010000755	37,30
26	180	6.9	4	5	3.63	010001208	48,95
26	200	7.7	4	5	4.5	010000763	59,60
26	225	8.6	4	5	5.65	010001210	75,55
26	250	9.6	4	5	6.99	010001211	93,40
26	280	10.7	4	5	8.72	010001213	116,20
26	315	12.1	4	5	11.1	010000778	154,40
26	355	13.6	4	5	14	010001214	202,25
26	400	15.3	4	5	17.8	010001215	257,90
26	450	17.2	4	5	22.5	010001218	360,00
26	500	19.1	4	5	27.7	010001219	443,70
26	560	21.4	4	5	34.7	010001221	555,35
26	630	24.1	4	5	44	010001224	755,90
26	710	27.2	4	5	55.9	010001227	959,65
26	800	30.6	4	5	70.8	010001230	1.214,80
26	900	34.4	4	5	89.5	010001233	1.538,00
26	1000	38.2	4	5	110	010001236	1.900,85
33	50	1.8	3.2	5	0.27	010000727	4,45
33	63	2.0	3.2	5	0.38	010001199	5,45
33	75	2.3	3.2	5	0.53	010001201	7,55
33	90	2.8	3.2	5	0.76	010001203	10,25
33	110	3.4	3.2	5	1.12	010000742	14,85
33	125	3.9	3.2	5	1.45	010001204	18,75
33	140	4.3	3.2	5	1.8	010001205	23,70
33	160	4.9	3.2	5	2.32	010000754	30,15
33	180	5.5	3.2	5	2.94	010001207	39,85
33	200	6.2	3.2	5	3.68	010000762	48,95
33	225	6.9	3.2	5	4.57	010001209	61,15
33	250	7.7	3.2	5	5.67	010000770	76,05
33	280	8.6	3.2	5	7.09	010001212	94,75
33	315	9.7	3.2	5	8.97	010000777	124,65
33	355	10.9	3.2	5	11.3	010000782	166,55
33	400	12.3	3.2	5	14.4	010000787	210,45
33	450	13.8	3.2	5	18.2	010001217	291,80
33	500	15.3	3.2	5	22.4	010000794	359,95
33	560	17.2	3.2	5	28.2	010001220	452,25
33	630	19.3	3.2	5	35.6	010001223	614,45
33	710	21.8	3.2	5	45.2	010001226	782,50
33	800	24.5	3.2	5	57.2	010001229	991,50
33	900	27.6	3.2	5	72.5	010001232	1.251,50
33	1000	30.6	3.2	5	89.2	010001235	1.554,85
41	63	1.8	2.5	5	0.35	010000731	5,70
41	75	1.9	2.5	5	0.44	010000734	6,85
41	90	2.2	2.5	5	0.61	010000737	9,25
41	110	2.7	2.5	5	0.9	010000741	12,50
41	125	3.1	2.5	5	1.18	010000746	16,75
41	140	3.5	2.5	5	1.48	010000750	20,70
41	160	4.0	2.5	5	1.91	010000753	25,30
41	180	4.4	2.5	5	2.38	010000758	34,70
41	200	4.9	2.5	5	2.92	010000761	41,10
41	225	5.5	2.5	5	3.7	010000766	51,95
41	250	6.2	2.5	5	4.63	010000769	63,70
41	280	6.9	2.5	5	5.73	010000773	82,95
41	315	7.7	2.5	5	7.19	010000776	103,25
41	355	8.7	2.5	5	9.14	010000781	142,75
41	400	9.8	2.5	5	11.6	010000786	175,15
41	450	11.0	2.5	5	14.6	010001216	235,80

PP Pressure pipes (SDR 41/33/26/17.6/11)

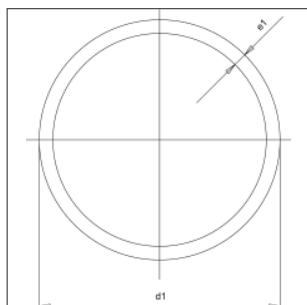


1.1

Art.code: PP0100-PLUS-RO-EX-GR09300-

0301

SDR	d (mm)	e (mm)	PN (bar)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
41	500	12.3	2.5	5	18.2	010000793	291,15
41	560	13.7	2.5	5	22.6	010000797	365,45
41	630	15.4	2.5	5	28.6	010001222	497,00
41	710	17.4	2.5	5	36.4	010001225	634,75
41	800	19.6	2.5	5	46.1	010001228	801,40
41	900	22.0	2.5	5	58.2	010001231	1.011,10
41	1000	24.5	2.5	5	72	010001234	1.246,70

**Material**

PP-H AlphaPlus

Colour

grey - RAL 7032

Dimensions

Based on DIN 8077, standard length 5 m

Remark

pipes in other dimensions on request

1.1

Art.code: PP0100-PLUS-RO-EXLU—GR09300—

0308

d (mm)	e (mm)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
200	3.0	5	1.83	010003127	24,50
225	3.5	5	2.4	010003128	32,10
250	3.5	5	2.68	010003129	35,90
280	4.0	5	3.39	010003130	45,40
315	5.0	5	4.74	010003084	63,40
355	5.0	5	5.35	010003085	71,60
400	6.0	5	7.2	010000785	96,30
450	7.0	5	9.43	010001771	157,80
500	8.0	5	11.9	010000792	199,10
560	8.0	5	13.4	010001772	224,20
630	10.0	5	18.8	010001773	314,50
710	12.0	5	25.3	010013073	432,90
800	15.0	5	35.5	010013074	607,40

■ 1 PP

1.2 PP Fittings

1.2.1

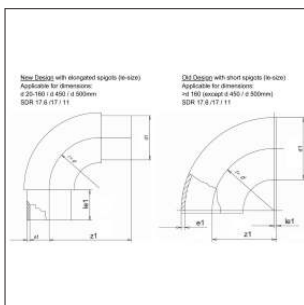
1.2.1 PP Fittings with short spigots

PP Bends 90°	14
PP Stub flanges for loose flange ISO/DIN, injected	16
PP Stub flanges for loose flange ISO/DIN, with chamfer, injected	18
PP Stub flanges for loose flange ISO/DIN, machined	19
PP Stub flanges for loose flange ANSI	20
PP Stub flange, machined, short, for ANSI loose flange	21
PP Stub flange for loose flange JIS	22
PP Tees, injected	23
PP Tees with reduced branch, injected	25
PP Reducers concentric, injected, short	26
PP-R Reducers concentric, injected, short	28
PP Reducers concentric, machined	30
PP End caps, machined	32
PP Threaded plugs	33
PP Fixing points for pipe clamps	34
PP Unions, with FPM seal	35
PP Unions, with EPDM seal	36
PP-H Union bush, injected	37
PP-H Union insert, injected	38
PP Union nut, injected	39

PP Bends 90° (SDR 33/17.6/11)

SIMONA

1.2.1



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected (r ~ d), for IR-/butt welding

Dimensions

DIN EN ISO 15494/C

Product image for illustration purposes only.

Art.code: PPH—BO-90-KS-FG—GR09300—

0320

SDR	d (mm)	e (mm)	Angle (°)	le1 (mm)	z1 (mm)	kg/piece	Material	Art. No.	€/ Stk
11	20	1.9	90	18	38	0.007	PP-H	010100426	7,60
11	25	2.3	90	18	43	0.015	PP-H	010100427	7,70
11	32	2.9	90	22	53	0.034	PP-H	010100428	8,30
11	40	3.7	90	22	61	0.053	PP-H	010100429	10,35
11	50	4.6	90	22	72	0.093	PP-H	010100431	12,70
11	63	5.8	90	22	86	0.191	PP-H	010100433	17,70
11	75	6.8	90	22	98	0.295	PP-H	010100435	24,00
11	90	8.2	90	25	113	0.493	PP-H	010100437	33,90
11	110	10.0	90	28	138	0.895	PP-H	010100440	63,25
11	125	11.4	90	32	157	0.820	PP-H	010100442	88,90
11	140	12.7	90	35	175	1.725	PP-H	010100444	118,75
11	160	14.6	90	40	200	2.515	PP-H	010100447	144,65
11	180	16.4	90	10	183	2.405	PP-H	010100449	171,10
11	200	18.2	90	15	205	3.440	PP-H	010100452	254,30
11	225	20.5	90	15	235	4.844	PP-H	010100454	304,60
11	250	22.7	90	10	260	6.250	PP-R	010100386	582,15
11	280	25.4	90	10	290	8.840	PP-R	010100389	763,60
11	315	28.6	90	15	325	12.620	PP-R	010100392	1.051,70
11	355	32.2	90	28	378	19.365	PP-R	010100395	1.770,65
11	400	36.3	90	35	435	28.650	PP-R	010100398	2.429,50
11	450	40.9	90	60	510	52.551	PP-R	010026776	3.498,50
11	500	45.4	90	60	560	67.410	PP-R	010026778	4.548,10
17.6	50	2.9	90	22	72	0.074	PP-H	010100430	12,15
17.6	63	3.6	90	22	86	0.142	PP-H	010100432	16,50
17.6	75	4.3	90	22	98	0.224	PP-H	010100434	23,75
17.6	90	5.1	90	25	113	0.420	PP-H	010100436	29,75
17.6	110	6.3	90	28	138	0.681	PP-H	010100439	61,95
17.6	125	7.1	90	32	157	0.960	PP-H	010100441	78,10
17.6	140	8.0	90	35	175	1.350	PP-H	010100443	113,55
17.6	160	9.1	90	40	200	1.865	PP-H	010100446	124,85
17.6	180	10.2	90	10	183	1.607	PP-H	010100448	154,00
17.6	200	11.4	90	15	205	2.270	PP-H	010100451	191,35
17.6	225	12.8	90	15	235	3.140	PP-H	010100453	236,65
17.6	250	14.2	90	10	256	4.235	PP-R	010100385	383,15
17.6	280	15.9	90	10	290	5.660	PP-R	010100388	500,10
17.6	315	17.9	90	15	325	8.635	PP-R	010100391	689,35
17.6	355	20.1	90	30	380	12.760	PP-R	010100394	1.308,05
17.6	400	22.7	90	35	430	18.500	PP-R	010100397	1.819,45
17.6	450	25.5	90	60	510	40.800	PP-R	010026775	2.592,70
17.6	500	28.3	90	60	560	52.150	PP-R	010026777	3.318,60
33	110	3.4	90	15	110	0.214	PP-H	010100438	47,70
33	125	3.9	90	15	140	0.352	PP-R	010100367	61,95
33	140	4.3	90	10	150	0.460	PP-R	010100370	80,00
33	160	4.9	90	15	160	0.695	PP-H	010100445	97,75
33	180	5.5	90	20	200	0.960	PP-R	010100375	120,60
33	200	6.2	90	15	205	1.250	PP-H	010100450	148,30
33	225	6.9	90	20	245	1.900	PP-R	010100381	182,15
33	250	7.7	90	10	260	2.425	PP-R	010100384	225,75

PP Bends 90° (SDR 33/17.6/11)



Art.code: PPH—BO-90-KS-FG—GR09300—0320

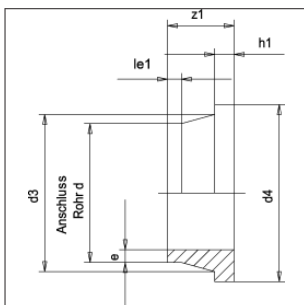
SDR	d (mm)	e (mm)	Angle (°)	le1 (mm)	z1 (mm)	kg/piece	Material	Art. No.	€/ Stk
33	280	8.6	90	30	290	3.740	PP-R	010100387	319,95
33	315	9.7	90	15	325	4.895	PP-R	010100390	346,30
33	355	10.9	90	40	340	6.590	PP-R	010100393	989,05
33	400	12.3	90	45	345	8.280	PP-R	010100396	1.383,15

1.2.1

PP Stub flanges for loose flange ISO/DIN, injected (SDR 33/17.6/11)

SIMONA

1.2.1



Material
PP-H AlphaPlus / PP-R

Colour
grey - RAL 7032

Execution
injected, for butt welding

Dimensions
DIN EN ISO 15494/C

Product image for illustration purposes only.

Art.code: PPH—VB—KS—FG—DN—GR09300—

0320

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.	€/ Stk
11	20	1.9	26	46	29	52	7	10	PP-H	0.018	010600222	7,20
11	25	2.3	32	59	27	52	10	10	PP-H	0.033	010600223	7,50
11	32	2.9	40	68	26	50	10	10	PP-H	0.044	010600224	8,30
11	40	3.7	49	78	24	52	11	10	PP-H	0.065	010600225	9,60
11	50	4.6	60	89	27	57	12	10	PP-H	0.085	010600226	11,45
11	63	5.8	75	102	23	56	14	10	PP-H	0.142	010600227	13,90
11	75	6.8	88	123	21	55	16	10	PP-H	0.200	010013629	16,50
11	90	8.2	105	138	43	80	17	10	PP-H	0.315	010013630	23,15
11	110	10.0	125	158	37	80	18	10	PP-H	0.440	010013613	28,50
11	125	11.4	132	158	40	90	25	10	PP-H	0.540	010021383	34,30
11	140	12.7	155	188	39	83	25	10	PP-H	0.715	010021386	40,00
11	160	14.6	175	212	52	105	25	10	PP-H	1.120	010021389	50,70
11	180	16.4	186	212	65	127	30	10	PP-H	0.920	010021391	77,65
11	200	18.2	232	268	64	139	32	10	PP-H	2.160	010021394	85,10
11	225	20.5	235	268	65	127	32	10	PP-H	2.165	010021397	95,10
11	250	22.7	285	320	67	145	35	10	PP-R	3.553	010600196	144,15
11	280	25.4	291	320	83	155	35	10	PP-R	2.900	010600199	157,20
11	315	28.6	335	370	80	155	35	10	PP-R	5.525	010600202	185,05
11	355	32.2	373	430	90	180	40	10	PP-R	7.730	010600205	328,85
11	400	36.3	427	482	95	195	46	10	PP-R	10.485	010600208	678,25
11	450	40.9	514	585	65	180	60	10	PP-R	13.350	010600210	787,85
11	500	45.4	530	585	65	180	60	10	PP-R	12.730	010600212	1.006,00
11	560	50.8	615	685	65	185	60	10	PP-R	16.100	010600459	*
11	630	57.2	642	685	65	185	60	10	PP-R	17.900	010600460	*
17.6	50	2.9	61	88	27	57	12	6	PP-H	0.076	010600413	10,45
17.6	63	3.6	75	102	23	56	14	6	PP-H	0.128	010600414	12,70
17.6	75	4.3	89	123	20	54	16	6	PP-H	0.180	010013631	15,20
17.6	90	5.1	105	138	43	80	17	6	PP-H	0.270	010013632	20,60
17.6	110	6.3	125	158	37	80	18	6	PP-H	0.377	010013633	26,55
17.6	125	7.1	132	158	45	88	18	6	PP-H	0.380	010021382	32,15
17.6	140	8.0	155	188	39	83	18	6	PP-H	0.510	010021385	37,00
17.6	160	9.1	175	212	52	100	18	6	PP-H	0.745	010021388	45,45
17.6	180	10.2	186	212	62	83	20	6	PP-H	0.650	010021390	66,00
17.6	200	11.4	233	268	75	140	24	6	PP-H	1.756	010021393	81,95
17.6	225	12.8	235	268	65	121	24	6	PP-H	1.460	010021396	92,75
17.6	250	14.2	285	320	72	140	25	6	PP-R	2.170	010600195	131,10
17.6	280	15.9	291	321	88	150	25	6	PP-R	1.975	010600198	145,05
17.6	315	17.9	335	370	90	155	25	6	PP-R	3.600	010600201	175,70
17.6	355	20.1	373	430	99	184	30	6	PP-R	5.400	010600204	300,35
17.6	400	22.7	427	482	98	195	33	6	PP-R	7.120	010600207	630,25
17.6	450	25.5	514	585	65	180	46	6	PP-R	10.700	010600209	743,90
17.6	500	28.3	530	585	65	180	46	6	PP-R	9.195	010600211	919,00
17.6	560	31.7	615	685	65	185	50	6	PP-R	13.150	010600213	940,35
17.6	630	35.7	642	685	65	185	50	6	PP-R	11.685	010600214	1.120,25
33	110	3.4	125	158	37	80	18	3.2	PP-H	0.305	010013634	26,55
33	125	3.9	132	158	32	80	18	3.2	PP-R	0.296	010600362	32,00
33	140	4.3	155	189	37	81	18	3.2	PP-R	0.390	010600180	36,90

* on request

PP Stub flanges for loose flange ISO/DIN, injected (SDR 33/17.6/11)



Art.code: PPH—VB—KS—FG—DN—GR09300—

0320

1.2.1

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Material	kg/piece	Art. No.	€ / Stk
33	160	4.9	175	212	52	100	18	3.2	PP-H	0.680	010021387	45,45
33	180	5.5	183	212	55	80	18	3.2	PP-R	0.515	010600363	66,00
33	200	6.2	232	268	58	121	18	3.2	PP-H	1.400	010021392	79,00
33	225	6.9	235	268	65	121	19	3.2	PP-R	0.940	010600191	88,60
33	250	7.7	285	320	58	120	20	3.2	PP-R	1.360	010600194	124,70
33	280	8.6	288	320	70	119	20	3.2	PP-R	1.315	010600197	134,00
33	315	9.7	335	370	86	164	20	3.2	PP-R	2.485	010600200	162,55
33	355	10.9	373	430	98	182	24	3.2	PP-R	3.560	010600203	273,80
33	400	12.3	427	482	95	195	26	3.2	PP-R	4.970	010600206	590,60
33	450	13.8	514	585	65	180	46	3.2	PP-R	7.350	010600364	693,70
33	500	15.3	530	585	65	180	46	3.2	PP-R	6.645	010600365	844,80
33	560	17.2	615	685	65	185	50	3.2	PP-R	8.195	010600366	879,65
33	630	19.3	642	685	65	185	50	3.2	PP-R	9.315	010600367	1.009,15

* on request

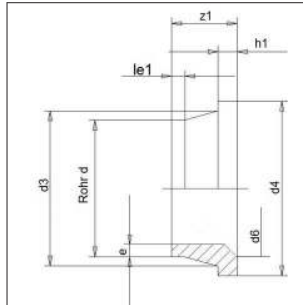
PP Stub flanges for loose flange ISO/DIN, with chamfer, injected (SDR 11)

SIMONA

1.2.1



Product image for illustration purposes only.



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

Remark

With turned chamfer corresponding to valve disc exit dimensions; other SDR series on request.

Art.code: PPH—VB—KS—FG—FA—GR09300—

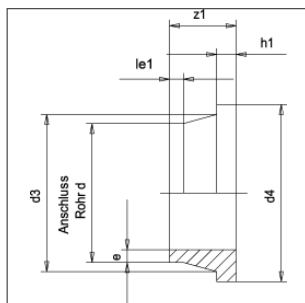
0320

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Material	Art. No.	€ / Stk
11	110	10.0	125	158	37	80	18	10	0.470	PP-H	010022327	*
11	125	11.4	132	158	40	90	25	10	0.590	PP-H	010022328	*
11	140	12.7	155	188	35	83	25	10	0.750	PP-H	010022329	*
11	160	14.6	175	212	52	105	25	10	0.980	PP-H	010022334	*
11	180	16.4	186	212	65	127	30	10	0.995	PP-H	010022335	*
11	200	18.2	233	268	65	140	32	10	2.270	PP-H	010022336	*
11	225	20.5	235	268	65	127	32	10	2.250	PP-H	010022333	*
11	250	22.7	285	320	55	120	35	10	3.185	PP-R	010022337	*
11	280	25.4	291	320	69	119	35	10	3.125	PP-R	010022338	*
11	315	28.6	335	370	86	168	35	10	5.560	PP-R	010022339	*
11	355	32.2	373	430	100	187	40	10	8.120	PP-R	010022340	*
11	400	36.3	427	482	95	195	46	10	11.175	PP-R	010022341	*
11	450	40.9	514	585	60	139	60	10	14.310	PP-R	010022342	*
11	500	45.4	530	585	60	138	60	10	13.530	PP-R	010022343	*

* on request

PP Stub flanges for loose flange ISO/DIN, machined (SDR 33/17.6/11)

SIMONA



Material

PP-R

Colour

grey - RAL 7032

Execution

machined, for butt welding

Dimensions

DIN EN ISO 15494/C

1.2.1

Product image for illustration purposes only.

Art.code: PP—VB—KS—SP—DN—GR09300—

0325

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Art. No.	€/ Stk
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	*

* on request

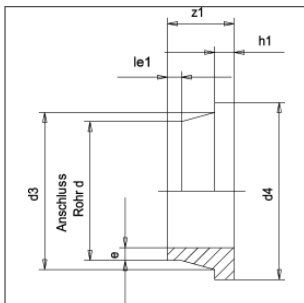
PP Stub flanges for loose flange ANSI (SDR 17.6/11)

SIMONA

1.2.1



Product image for illustration purposes only.



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

Remark

for application of ANSI loose flanges from d=110 mm stub flanges acc. to ISO/DIN can be used

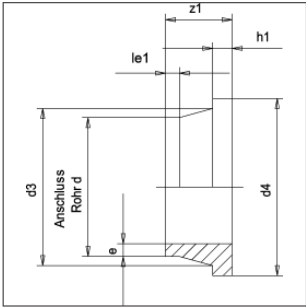
Art.code: PPH—VB—KS—FG—AN-GR0930—

0320

SDR	d (mm)	d3 (mm)	d4 (mm)	e (mm)	le1 (mm)	z1 (mm)	h1 (mm)	kg/piece	PN (bar)	Material	Art. No.	€ / Stk
11	20	26	44	1.9	29	52	7	0.015	10	PP-H	010600866	8,70
11	25	32	54	2.3	27	50	9	0.026	10	PP-H	010600867	9,00
11	32	39	63	2.9	26	50	10	0.038	10	PP-H	010600868	9,85
11	40	49	73	3.7	20	50	11	0.057	10	PP-H	010600869	11,65
11	50	61	82	4.6	27	57	12	0.075	10	PP-H	010600973	13,85
11	63	72	100	5.8	23	56	14	0.142	10	PP-H	010600871	16,70
11	75	87	120	6.8	20	56	16	0.197	10	PP-H	010013624	19,75
11	90	102	133	8.2	40	80	17	0.295	10	PP-H	010013625	27,65
17.6	50	60	82	2.9	23	50	12	0.076	6	PP-H	010600872	12,35
17.6	63	72	100	3.6	23	56	14	0.127	6	PP-H	010600873	15,30
17.6	75	87	120	4.3	20	56	16	0.183	6	PP-H	010013626	18,10
17.6	90	102	133	5.1	40	80	17	0.252	6	PP-H	010013627	25,00

PP Stub flange, machined, short, for ANSI loose flange (SDR 17/11)

SIMONA



Material
PE 100

Colour
grey - RAL 7032

Execution
machined, for butt welding

Dimensions
Based on DIN EN ISO 15494/B

Remark
for application of ANSI loose flanges d=450 mm;
18"

1.2.1

Art.code: PP—VB—KS—SP—AN-GR09300—

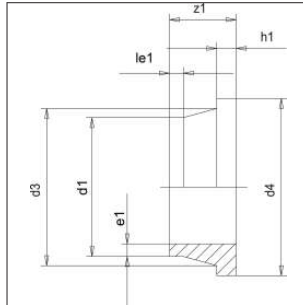
0325

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	kg/piece	Art. No.	€ / Stk
11	450	40.9	461	544	65	180	60	13.350	010038519	2.646,65
17	450	25.5	461	544	65	180	46	10.700	010038520	2.646,65

PP Stub flange for loose flange JIS (SDR 17.6/11)

SIMONA

1.2.1



Colour

grey

Dimensions

DIN EN 15494/C

Remark

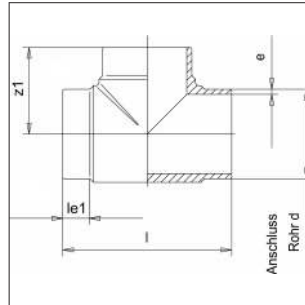
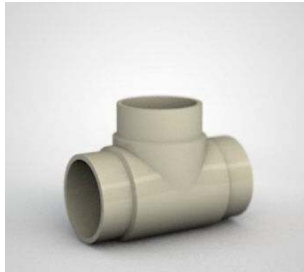
SDR 17.6 on request

Art.code: PPH—VB—KS—FS—JI—GR09300—

SDR	d (mm)	e (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	1.9	10	0.016	010600904	8,70
11	25	2.3	10	0.028	010600905	9,00
11	32	2.9	10	0.044	010600906	9,85
11	40	3.7	10	0.060	010600907	11,65
11	50	4.6	10	0.070	010600908	13,85
11	63	5.8	10	0.142	010600909	16,70
11	75	6.8	10	0.175	010013635	19,75
11	90	8.2	10	0.268	010013636	27,65
11	110	10.0	10	0.450	010013637	34,20
11	140	12.7	10	0.670	010031814	48,00
11	180	16.4	10	1.307	010021897	93,18
11	225	20.5	10	2.060	010029943	114,12
17.6	50	2.9	6	0.076	010600910	12,55
17.6	63	3.6	6	0.121	010600911	15,25
17.6	75	4.3	6	0.185	010013638	18,25
17.6	90	5.1	6	0.200	010013639	24,75
17.6	110	6.3	6	0.350	010013640	31,90
17.6	140	8.0	6	0.597	010060320	44,40
17.6	180	10.2	6	0.630	010060321	79,20
17.6	225	12.8	6	1.330	010060322	111,30

PP Tees, injected (SDR 33/17.6/11)

SIMONA



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

Remark

more designs, see page 65

1.2.1

Product image for illustration purposes only.

Art.code: PP—TS—KS—FG—GR09300—

0320

SDR	d (mm)	e (mm)	Length (mm)	le1 (mm)	z1 (mm)	Material	kg/piece	Art. No.	€/ Stk
11	20	1.9	76	11	38	PP-H	0.021	010300193	6,25
11	25	2.3	84	11	42	PP-H	0.030	010300194	6,75
11	32	2.9	88	11	44	PP-H	0.044	010300195	7,60
11	40	3.7	92	11	46	PP-H	0.065	010300196	11,45
11	50	4.6	100	12	50	PP-H	0.111	010300198	15,25
11	63	5.8	134	17	67	PP-H	0.235	010300200	23,40
11	75	6.8	150	19	75	PP-H	0.360	010300202	45,95
11	90	8.2	206	42	103	PP-H	0.680	010019349	66,95
11	110	10.0	254	56	127	PP-H	1.230	010019351	97,50
11	125	11.4	250	52	125	PP-R	1.600	010300158	134,60
11	140	12.7	318	63	159	PP-R	2.480	010300161	168,90
11	160	14.6	320	57	160	PP-H	3.250	010022957	283,85
11	180	16.4	430	94	215	PP-R	5.475	010300166	364,70
11	200	18.2	440	90	220	PP-R	6.810	010300169	521,20
11	225	20.5	450	76	225	PP-H	9.240	010025633	619,20
11	250	22.7	454	68	227	PP-R	10.400	010300175	796,40
11	280	25.4	534	87	267	PP-R	15.170	010300178	1.073,60
11	315	28.6	566	86	283	PP-R	20.330	010300181	1.524,10
11	355	32.2	698	103	349	PP-R	30.200	010300183	2.052,05
11	400	36.3	720	105	360	PP-R	39.100	010300185	3.062,20
11	450	40.9	838	137	419	PP-R	61.129	010300954	4.382,50
11	500	45.4	930	160	465	PP-R	84.230	010300956	5.567,75
17.6	50	2.9	102	12	50	PP-H	0.084	010300197	13,75
17.6	63	3.6	136	16	68	PP-H	0.172	010300199	18,45
17.6	75	4.3	153	14	75	PP-H	0.280	010300201	35,95
17.6	90	5.1	200	42	100	PP-H	0.540	010019348	50,70
17.6	110	6.3	260	57	130	PP-H	0.925	010019350	83,10
17.6	125	7.1	250	50	125	PP-R	1.133	010300157	114,65
17.6	140	8.0	320	63	160	PP-R	1.765	010300160	135,25
17.6	160	9.1	320	57	160	PP-H	2.402	010022956	254,25
17.6	180	10.2	434	97	217	PP-R	4.000	010300165	311,15
17.6	200	11.4	440	94	220	PP-R	5.060	010300168	425,05
17.6	225	12.8	454	75	227	PP-H	6.845	010025632	499,00
17.6	250	14.8	470	70	235	PP-R	7.410	010300174	661,00
17.6	280	15.9	532	88	266	PP-R	10.680	010300177	754,85
17.6	315	17.9	566	86	283	PP-R	14.105	010300180	1.006,00
17.6	355	20.1	690	103	345	PP-R	21.900	010300182	1.527,00
17.6	400	22.7	734	105	367	PP-R	26.300	010300184	2.365,30
17.6	450	25.5	838	138	419	PP-R	42.715	010300953	3.405,60
17.6	500	28.3	954	165	477	PP-R	59.500	010300955	4.384,65
33	110	3.4	223	33	109	PP-R	0.440	010300153	55,60
33	125	3.9	230	40	115	PP-R	0.480	010300156	75,80
33	140	4.3	253	25	125	PP-R	1.040	010300159	104,50
33	160	4.9	346	57	173	PP-R	1.210	010300162	125,15
33	180	5.5	372	57	186	PP-R	1.360	010300281	147,70
33	200	6.2	410	57	205	PP-R	1.860	010300167	183,05
33	250	7.7	475	70	237	PP-R	5.640	010300173	521,20
33	280	8.6	540	80	270	PP-R	6.600	010300176	662,65

PP Tees, injected (SDR 33/17.6/11)

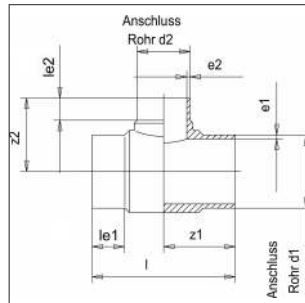


1.2.1

Art.code: PP—TS—KS—FG—GR09300—									0320
SDR	d (mm)	e (mm)	Length (mm)	le1 (mm)	z1 (mm)	Material	kg/piece	Art. No.	€ / Stk
33	315	9.7	558	80	277	PP-R	8.240	010300179	835,65

PP Tees with reduced branch, injected (SDR 17.6/11)

SIMONA



Material

PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

1.2.1

Product image for illustration purposes only.

Art.code: PP—TSR—KS—FG—GR09300—

0320

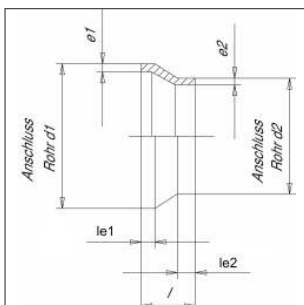
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	90	32	8.2	2.9	57	23	106.5	85	213	0.560	013500126	63,45
11	90	50	8.2	4.6	25	25	80	85	160	0.650	010045428	*
11	110	32	10.0	2.9	70	23	122	94	244	0.940	013500128	93,70
11	110	50	10.0	4.6	70	27	122	103	244	0.950	013500304	95,65
11	125	63	11.4	5.8	76	31	140	112	280	1.360	013500129	130,75
11	140	63	12.7	5.8	87	32	151	120	302	1.740	013500131	162,55
11	140	75	12.7	6.8	54	35	152.5	130	305	1.840	013500309	146,35
11	140	90	12.7	8.5	88	42	152.5	130	305	1.960	013500132	165,35
11	140	110	12.7	10	54	47	152.5	141	305	2.200	013500310	169,55
11	160	125	14.6	11.4	62	52	167.5	158	335	2.750	013500314	281,95
11	180	63	16.4	5.8	134	32	183.5	144	367	2.980	013500134	349,70
11	180	75	16.4	6.8	123	31	183	148	366	3.060	013500315	350,35
11	180	125	16.4	11.4	100	52	183	166	366	3.220	013501029	356,20
11	225	125	20.5	11.4	143	45	228	178	456	7.965	013500326	601,35
17.6	140	63	8.3	3.8	86	32	151	120	302	1.290	013500117	129,45
17.6	140	75	8.3	4.5	86	35	150	130	300	1.370	013500433	130,65
17.6	140	90	8.3	5.4	86	42	152	130	304	1.380	013500118	132,40
17.6	140	110	8.3	6.6	50	47	150	139	300	1.600	013500434	135,15
17.6	160	125	9.5	7.4	62	48	157.5	150	315	2.060	013500120	250,60
17.6	180	63	10.7	3.8	130	32	179	139	358	2.160	013500438	297,75
17.6	180	75	10.7	4.5	120	31	180	140	360	2.230	013500439	299,05
17.6	180	110	10.7	6.6	106	48	182.5	160	365	2.325	013500122	304,60
17.6	225	125	13.4	7.4	140	45	227.5	180	455	4.830	013500447	482,75
17.6	250	160	14.2	9.1	67	52	225	389	450	6.020	013500451	653,05

* on request

PP Reducers concentric, injected, short (SDR 17.6/11)

SIMONA

1.2.1



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

Product image for illustration purposes only.

Art.code: PP—RZ—KS—FG—GR09300—

0320

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	25	20	2.3	1.9	14	14	38	0.004	014900997	8,35
11	32	20	2.9	1.9	24	24	70	0.013	014900998	9,90
11	32	25	2.9	2.3	25	25	68	0.015	014900368	9,90
11	40	20	3.7	1.9	14	14	43	0.015	014900999	11,40
11	40	25	3.7	2.3	22	22	62	0.021	014901000	11,40
11	40	32	3.7	2.9	25	25	62	0.022	014901001	11,40
11	50	25	4.6	2.3	25	25	85	0.037	014900369	11,95
11	50	32	4.6	2.9	27	27	85	0.043	014900370	11,95
11	50	40	4.6	3.7	30	26	83	0.047	014900371	11,95
11	63	32	5.8	2.9	27	25	89	0.064	014900372	13,90
11	63	40	5.8	3.7	28	27	89	0.070	014900373	13,90
11	63	50	5.8	4.6	25	25	87	0.079	014900374	13,90
11	75	50	6.8	4.6	64	58	148	0.080	014900281	18,00
11	75	63	6.8	5.8	25	26	89	0.112	014901005	18,00
11	90	50	8.2	4.6	28	25	93	0.145	014900375	19,55
11	90	63	8.2	5.8	28	28	92	0.162	014900376	19,55
11	90	75	8.2	6.8	31	26	90	0.174	014900377	19,55
11	110	50	10.0	4.6	28	19	95	0.205	014900378	24,05
11	110	63	10.0	5.8	41	35	110	0.238	014900379	24,05
11	110	75	10.0	6.8	40	28	96	0.263	014900380	24,05
11	110	90	10.0	8.2	41	40	105	0.280	014900381	24,05
11	125	75	11.4	6.8	32	19	98	0.299	014900383	31,00
11	125	90	11.4	8.2	40	40	110	0.345	014900384	31,00
11	125	110	11.4	10	40	40	100	0.375	014900385	31,00
11	140	75	12.7	6.8	52	41	135	0.515	014901006	37,65
11	140	90	12.7	8.2	50	40	130	0.530	014901007	37,65
11	140	110	12.7	10	50	40	120	0.540	014901008	37,65
11	140	125	12.7	11.4	53	41	120	0.600	014901009	37,65
11	160	90	14.6	8.2	48	34	141	0.695	014900386	43,70
11	160	110	14.6	10	40	34	129	0.685	014900387	43,70
11	160	125	14.6	11.4	40	32	122	0.725	014900388	43,70
11	160	140	14.6	12.7	49	38	125	0.725	014900389	43,70
11	180	90	16.4	8.2	50	40	145	0.800	014901010	65,65
11	180	110	16.4	10	50	40	150	1.010	014901011	65,65
11	180	125	16.4	11.4	52	40	145	0.985	014901012	62,20
11	180	140	16.4	12.7	51	47	135	0.995	014901013	59,75
11	180	160	16.4	14.6	45	40	117	1.020	014900306	59,75
11	180	160	16.4	14.6	60	50	140	1.105	014901014	56,90
11	200	140	18.2	12.7	63	43	148	1.240	014901015	190,20
11	200	160	18.2	14.6	60	50	150	1.290	014900390	147,70
11	200	180	18.2	16.4	50	45	130	1.300	014901016	131,65
11	225	140	20.5	12.7	61	48	157	1.575	014900391	220,65
11	225	160	20.5	14.6	65	54	161	1.655	014900392	189,10
11	225	180	20.5	16.4	60	58	163	1.770	014900393	180,30
11	225	200	20.5	18.2	60	50	145	1.700	014901017	131,05
17.6	50	32	2.9	1.9	20	20	70	0.043	014901022	11,95
17.6	50	40	2.9	2.3	20	20	67	0.031	014900349	11,95
17.6	63	32	3.6	1.9	16	20	89	0.048	014900350	13,90

PP Reducers concentric, injected, short (SDR 17.6/11)



Art.code: PP—RZ—KS—FG—GR09300—

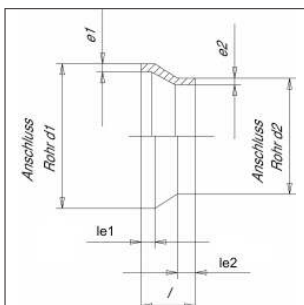
0320

1.2.1

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
17.6	63	40	3.6	2.3	16	20	89	0.054	014900351	13,90
17.6	63	50	3.6	2.9	29	27	87	0.055	014901023	13,90
17.6	75	63	4.3	3.6	26	28	91	0.081	014901027	18,00
17.6	90	63	5.1	3.6	28	28	92	0.110	014900353	19,55
17.6	90	75	5.1	4.3	31	26	91	0.120	014900354	19,55
17.6	110	50	6.3	2.9	28	19	90	0.139	014900355	24,05
17.6	110	63	6.3	3.6	40	36	105	0.170	014900356	24,05
17.6	110	75	6.3	4.3	40	28	96	0.170	014900357	24,05
17.6	110	90	6.3	5.1	42	42	100	0.192	014900358	24,05
17.6	125	90	7.1	5.1	41	41	114	0.271	014901030	31,00
17.6	125	110	7.1	6.3	42	42	103	0.250	014900359	31,00
17.6	140	125	8.0	7.1	35	32	120	0.360	014901034	37,65
17.6	160	90	9.1	5.1	48	34	141	0.495	014900360	43,70
17.6	160	110	9.1	6.3	40	34	129	0.500	014900361	43,70
17.6	180	160	10.2	9.1	60	50	140	0.700	014901039	56,90
17.6	200	160	11.4	9.1	60	50	150	0.895	014900364	147,70
17.6	225	160	12.8	9.1	65	53	162	1.150	014900366	185,10
17.6	225	200	12.8	11.4	63	53	149	1.320	014901042	155,20

PP-R Reducers concentric, injected, short (SDR 17.6/11) **SIMONA**

1.2.1



Material

PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

Product image for illustration purposes only.

Art.code: PP—RZ—KS—FG—GR09300—

0320

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	ie1 (mm)	ie2 (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	75	32	6.8	2.9	19	14	70	0.060	014900279	18,00
11	75	40	6.8	3.7	19	14	70	0.070	014900280	18,00
11	225	200	20.5	18.2	55	50	162	1.920	014900313	159,30
11	250	160	22.7	14.6	70	50	180	2.155	014900314	252,90
11	250	180	22.7	16.4	65	55	190	2.410	014900315	233,95
11	250	200	22.7	18.2	64	64	180	2.500	014900316	214,95
11	250	225	22.7	20.5	65	65	190	2.750	014900317	204,30
11	280	200	25.4	18.2	75	54	214	3.450	014900318	280,95
11	280	225	25.4	20.5	72	57	203	3.425	014900319	263,05
11	280	250	25.4	22.7	70	60	165	1.980	014900320	252,40
11	315	200	28.6	18.2	80	50	200	4.520	014900321	359,15
11	315	225	28.6	20.5	84	60	237	5.110	014900322	305,35
11	315	250	28.6	22.7	86	63	231	5.105	014900323	289,20
11	315	280	28.6	25.4	80	70	222	5.195	014900324	270,95
11	355	225	32.2	20.5	95	60	255	6.120	014900325	496,00
11	355	250	32.2	22.7	90	60	236	6.160	014900326	496,00
11	355	280	32.2	25.4	90	70	236	6.250	014900327	496,00
11	355	315	32.2	28.6	90	80	235	6.570	014900328	496,00
17.6	90	50	8.2	4.6	22	14	76	0.080	014900223	19,55
17.6	125	63	7.4	3.8	32	18	100	0.195	014900230	31,00
17.6	125	75	7.4	4.5	32	19	100	0.225	014900231	31,00
17.6	140	75	8.3	4.5	35	19	110	0.280	014900234	37,65
17.6	140	90	8.0	5.1	53	42	130	0.300	014900235	37,65
17.6	140	110	8.3	6.6	35	28	100	0.320	014900236	37,65
17.6	160	125	9.5	7	40	32	110	0.505	014900240	43,70
17.6	160	140	9.5	8.3	40	35	110	0.560	014900241	43,70
17.6	180	90	10.7	5.4	45	22	157	0.600	014900242	65,65
17.6	180	110	10.7	6.6	45	28	157	0.620	014900243	65,65
17.6	180	125	10.7	7.4	45	32	136	0.620	014900244	62,20
17.6	180	140	10.7	8.3	45	35	136	0.640	014900245	59,75
17.6	180	160	10.7	9.5	45	40	118	0.700	014900246	59,75
17.6	200	140	11.4	8	62	42	146	0.827	014900247	190,20
17.6	200	180	11.9	10.7	50	45	137	0.920	014900248	131,65
17.6	225	140	12.8	8	62	48	162	1.060	014900249	215,70
17.6	225	180	12.8	10.2	64	57	166	1.160	014900251	175,85
17.6	225	200	13.4	11.9	55	50	162	1.320	014900252	155,20
17.6	250	160	14.2	9.1	65	55	170	1.530	014900253	245,90
17.6	250	180	14.2	10.2	65	55	190	1.610	014900254	228,10
17.6	250	200	14.2	11.4	64	64	180	1.760	014900255	209,70
17.6	250	225	14.8	13.4	60	55	159	1.840	014900256	199,40
17.6	280	200	15.9	11.4	75	54	214	2.340	014900257	273,85
17.6	280	225	15.9	12.8	70	55	200	2.370	014900258	256,15
17.6	280	250	16.6	14.8	70	60	165	2.540	014900259	245,90
17.6	315	200	18.7	11.9	80	50	196	3.220	014900260	350,30
17.6	315	225	17.9	12.8	84	59	237	3.320	014900261	297,30
17.6	315	250	17.9	14.2	84	64	233	3.450	014900262	281,80
17.6	315	280	17.9	15.9	80	70	222	4.104	014900263	264,25
17.6	355	225	20.1	12.8	95	60	255	4.080	014900264	480,00

PP-R Reducers concentric, injected, short (SDR 17.6/11) **SIMONA**

Art.code: PP—RZ—KS—FG—GR09300—

0320

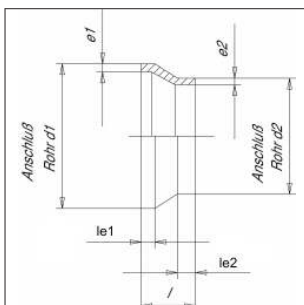
1.2.1

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
17.6	355	250	20.1	14.2	90	60	236	4.130	014900265	480,00
17.6	355	280	20.1	15.9	90	70	236	4.450	014900708	480,00
17.6	355	315	20.1	17.9	90	80	235	4.260	014900266	480,00

PP Reducers concentric, machined (SDR 17.6/11)

SIMONA

1.2.1



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

machined, for butt welding

Dimensions

DIN EN ISO 15494/C

Remark

SDR 33 on request

Product image for illustration purposes only.

Art.code: PP—RZ—KS—SP—GR09300—

0325

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	355	225	32.2	20.5	57	40	140	4.260	010013448	*
11	355	250	32.2	22.7	54	40	130	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	9.800	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	115	8.300	010013465	*
11	560	355	50.8	32.2	65	40	170	0.000	010013466	*
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	355	31.7	20.1	65	40	170	0.000	010013494	*
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	*

* on request

PP Reducers concentric, machined (SDR 17.6/11)



Art.code: PP—RZ—KS—SP—GR09300—

0325

1.2.1

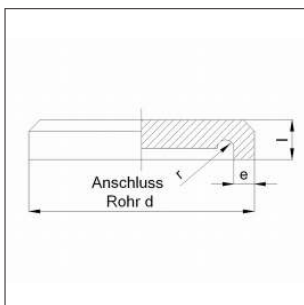
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
17.6	710	560	40.2	28.4	81	40	170	17.400	010013506	*
17.6	710	630	40.2	35.7	71	40	140	13.700	010013507	*
17.6	800	560	45.3	31.7	85	40	200	19.700	010013508	*
17.6	800	630	45.3	35.7	85	40	180	23.400	010013509	*
17.6	800	710	45.3	40.2	78	40	150	18.900	010013510	*

* on request

PP End caps, machined (SDR 17.6/11)

SIMONA

1.2.1



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

machined, for butt welding

Dimensions

DIN EN ISO 15494/C

Remark

SDR 33 on request, executions < d 250 mm see page 77

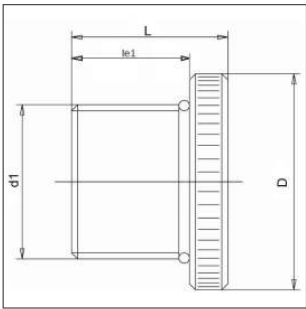
Product image for illustration purposes only.

Art.code: PP—KA—KS—SP—GR09300—

0325

SDR	d (mm)	e (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	250	22.7	10	55	1.840	013900140	163,10
11	280	25.4	10	60	2.560	013900142	190,30
11	315	28.6	10	65	3.600	013900144	282,45
11	355	32.2	10	75	5.040	013900146	339,65
11	400	36.3	10	80	7.240	013900148	407,60
11	450	40.9	10	90	10.200	013900150	581,80
11	500	45.4	10	95	14.000	013900152	739,70
17.6	250	14.2	6	50	1.520	013900139	151,95
17.6	280	15.9	6	55	2.070	013900141	176,35
17.6	315	17.9	6	60	2.940	013900143	219,05
17.6	355	20.1	6	65	4.170	013900145	282,55
17.6	400	22.7	6	70	5.960	013900147	336,00
17.6	450	25.5	6	80	8.520	013900149	481,55
17.6	500	28.3	6	85	11.600	013900151	576,60
17.6	560	31.7	6	100	16.000	013900153	735,10
17.6	630	35.7	6	100	22.900	013900154	1.115,25
17.6	710	40.2	6	120	33.500	013900155	1.683,25
17.6	800	45.3	6	120	47.500	013900156	2.638,95

PP Threaded plugs



Material
PP-H

Colour
grey - RAL 7032

Execution
machined

Dimensions
DIN EN ISO 15494/C

Remark
max. admissible operating overpressure for water
at +20 °C 8 bar, double-layer PTFE tape
recommended as sealant

1.2.1

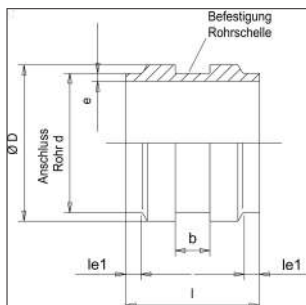
Art.code: PP—ST—AG-SP—GR09300—0325

D (mm)	Length (mm)	d1 (")	PN (bar)	kg/piece	Art. No.	€ / Stk
50	40	1 1/2	10	0.032	015100070	38,30
45	40	1 1/4	10	0.020	015100071	33,00
25	25	1/2	10	0.005	015100072	25,10
40	35	1	10	0.014	015100073	31,00
95	40	2 1/2	10	0.070	015100074	50,35
70	45	2	10	0.050	015100075	41,45
30	30	3/4	10	0.007	015100076	26,15

PP Fixing points for pipe clamps (SDR 17.6/11)

SIMONA

1.2.1



Material

PP-H

Colour

grey - RAL 7032

Execution

fabricated from pipes and turned parts, for butt welding

Dimensions

Based on DIN EN ISO 15494/C

Product image for illustration purposes only.

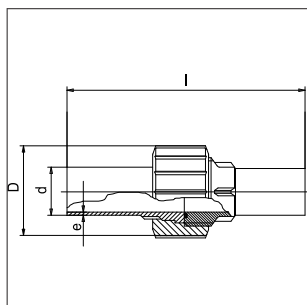
Art.code: PP—FP—ROS—GR09300—

0325

SDR	d (mm)	D (mm)	b (mm)	le1 (mm)	e (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	50	63	42	20	4.6	190	0.260	015400024	91,20
11	63	75	42	20	5.8	190	0.340	015400025	98,50
11	75	90	42	20	6.8	190	0.670	015400026	128,35
11	90	110	42	20	8.2	190	0.760	015400027	142,75
11	110	125	52	30	10.0	240	1.100	015400028	168,45
11	125	140	52	30	11.4	240	1.360	015400029	196,85
11	140	160	52	30	12.7	240	1.820	015400030	221,50
11	160	180	52	30	14.6	240	2.260	015400031	237,20
11	180	200	52	30	16.4	240	2.770	015400032	264,75
11	200	225	52	30	18.2	240	3.530	015400033	326,10
11	225	250	52	30	20.5	240	4.320	015400034	421,80
11	250	280	62	30	22.7	240	5.340	015400035	502,95
11	280	315	62	30	25.4	240	6.760	015400036	661,05
11	315	355	62	30	28.6	240	8.600	015400037	692,55
11	355	400	62	40	32.2	300	13.200	015400038	784,40
11	400	450	72	40	36.3	300	16.400	015400039	996,25
11	450	500	72	40	40.9	300	20.100	015400040	1.398,95
11	500	560	72	40	45.4	300	31.100	015400041	1.730,55
17.6	50	63	42	20	2.9	190	0.180	015400006	86,20
17.6	63	75	42	20	3.6	190	0.280	015400007	92,90
17.6	75	90	42	20	4.3	190	0.400	015400008	106,25
17.6	90	110	42	20	5.1	190	0.620	015400009	127,75
17.6	110	125	52	30	6.3	240	0.770	015400010	147,85
17.6	125	140	52	30	7.1	240	1.020	015400011	169,70
17.6	140	160	52	30	8.0	240	1.380	015400012	190,65
17.6	160	180	52	30	9.1	240	1.700	015400013	236,70
17.6	180	200	52	30	10.2	240	2.050	015400014	251,50
17.6	200	225	52	30	11.4	240	2.560	015400015	299,65
17.6	225	250	52	30	12.7	240	3.210	015400016	362,85
17.6	250	280	62	30	14.2	240	3.840	015400017	446,15
17.6	280	315	62	30	15.9	240	3.880	015400018	641,25
17.6	315	355	30	30	17.9	240	4.880	015400019	671,40
17.6	355	400	62	40	20.1	300	9.870	015400020	760,95
17.6	400	450	72	40	22.7	300	12.200	015400021	966,55
17.6	450	500	72	40	25.5	300	14.700	015400022	1.356,75
17.6	500	560	72	40	28.4	300	18.700	015400023	1.678,45

PP Unions, with FPM seal (SDR 11)

SIMONA



Material

PP-H AlphaPlus FPM (seal)

Colour

grey - RAL 7032

Execution

for butt-welding, union and union bush with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

max. admissible operating overpressure for water at + 20 °C up to 12 bar

1.2.1

Art.code: PPH—VE—LSFPMFG—GR09300—

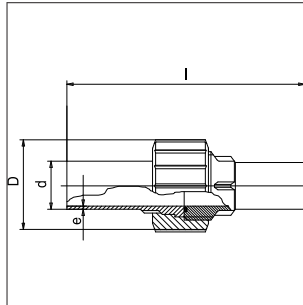
0321

SDR	d (mm)	e (mm)	D (mm)	R (")	PN (bar)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	20	1.9	46	1	12	105	0.056	019500013	45,05
11	25	2.3	56	1 1/4	12	110	0.085	019500014	49,95
11	32	2.9	63	1 1/2	12	117	0.118	019500015	61,00
11	40	3.7	77	2	12	123	0.190	019500016	82,95
11	50	4.6	87	2 1/4	12	129	0.260	019500017	117,20
11	63	5.8	107	2 3/4	12	135	0.460	019500018	165,45

PP Unions, with EPDM seal (SDR 11)

SIMONA

1.2.1



Material

PP-H AlphaPlus EPDM (seal)

Colour

grey - RAL 7032

Execution

for butt-welding, union and union bush with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

max. admissible operating overpressure for water at + 20 °C up to 12 bar

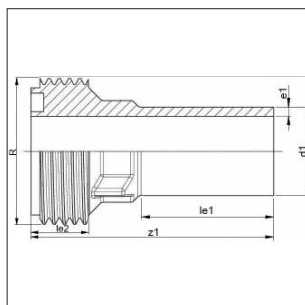
Art.code: PPH—VE—LSEPDFG—GR09300—

0321

SDR	d (mm)	e (mm)	Length (mm)	R (")	kg/piece	PN (bar)	Art. No.	€ / Stk
11	20	1.9	105	1	0.055	12	019500007	33,90
11	25	2.3	110	1 1/4	0.082	12	019500008	37,65
11	32	2.9	117	1 1/2	0.114	12	019500009	43,75
11	40	3.7	123	2	0.190	12	019500010	58,75
11	50	4.6	129	2 1/4	0.260	12	019500011	80,70
11	63	5.8	135	2 3/4	0.430	12	019500012	123,55

PP-H Union bush, injected (SDR 11)

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for butt-welding, union bush with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

Individual part of union, see page 47 and 48.
Cannot be combined with products of other manufacturers.

1.2.1

Art.code: PPH—EST-KS-FG—IGR09300—

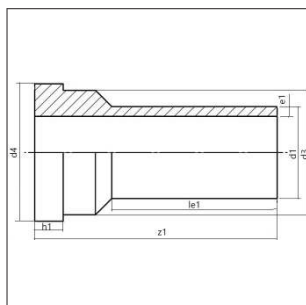
0321

SDR	d (mm)	e (mm)	R (")	z1 (mm)	le1 (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	1.9	1	53.2	24	12	0.012	023300013	10,15
11	25	2.3	1 1/4	55.7	24	12	0.024	023300014	11,30
11	32	2.9	1 1/2	58.8	24	12	0.033	023300015	13,10
11	40	3.7	2	61.6	24	12	0.055	023300016	17,65
11	50	4.6	2 1/4	64.7	24	12	0.069	023300017	24,20
11	63	5.8	2 3/4	67.7	24	12	0.115	023300018	37,10

PP-H Union insert, injected (SDR 11)

SIMONA

1.2.1



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for butt-welding

Dimensions

DIN EN ISO 15494/C

Remark

Individual part of union, see page 47 and 48.
Cannot be combined with products of other manufacturers.

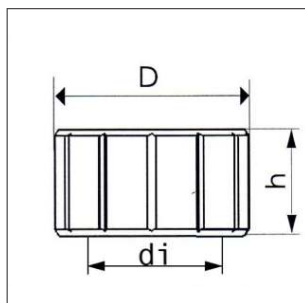
Art.code: PPH—ET—LS—FG—IGR09300—

0321

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	z1 (mm)	le1 (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	1.9	27.5	30.1	53.5	37	12	0.011	023400013	10,15
11	25	2.3	36	38.8	56	38	12	0.010	023400014	11,30
11	32	2.9	41.5	44.7	59.5	39	12	0.023	023400015	13,10
11	40	3.7	53	56.5	63	41	12	0.047	023400016	17,65
11	50	4.6	59	62.6	65.5	44	12	0.055	023400017	24,20
11	63	5.8	74	78.4	68.5	44	12	0.090	023400018	37,10

PP Union nut, injected (SDR 11)

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, union with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

Individual part of union, see page 47 and 48.
Cannot be combined with products of other manufacturers.

1.2.1

Art.code: PP—UWM-KS-FG—IGR09300—

0321

SDR	d (mm)	D (mm)	h1 (mm)	R (")	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	45	22.5	1	12	0.030	023500013	13,55
11	25	55	24.5	1 1/4	12	0.029	023500014	15,05
11	32	62.5	26.5	1 1/2	12	0.055	023500015	17,50
11	40	76	30.5	2	12	0.090	023500016	23,50
11	50	86.5	33.5	2 1/4	12	0.135	023500017	32,30
11	63	107	37.5	2 3/4	12	0.230	023500018	49,45

■ 1 PP

1.2 PP Fittings

1.2.2

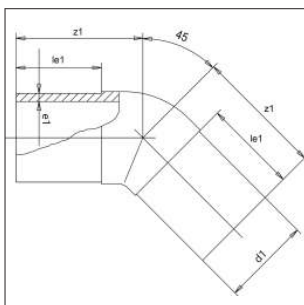
1.2.2 PP Fittings with elongated spigots

PP Elbows 45°, injected	42
PP Elbows 90°, injected	43
PP Bends 90°, injected	44
PP Bends 30°, seamless	45
PP Bends 45°, seamless	46
PP Bends 60°, seamless	47
PP Bends 90°, seamless	48
PP Bends 30°, segment welded	49
PP Bends 45°, segment welded	50
PP Bends 60°, segment welded	51
PP Bends 90°, segment welded	52
PP-R Reducers concentric, injected, elongated	53
PP Stub flanges for loose flange ISO/DIN	54
PP Stub flanges for loose flange ANSI	55
PP Tees, injected	56
PP Tees, segment welded	57
PP Tees with reduced branch, injected	59
PP Tees with reduced branch, welded	60
PP Tees with reduced branch, welded, reinforced	63
PP Tees with reduced branch with internal thread	66
PP Branches 45°, injected	69
PP Reducers eccentric	70
PP End caps	71
PP Adaptors with threaded female end	72
PP Adaptors with threaded male end	73

PP Elbows 45°, injected (SDR 17.6/11)

SIMONA

1.2.2



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

Based on DIN EN ISO 15494/C

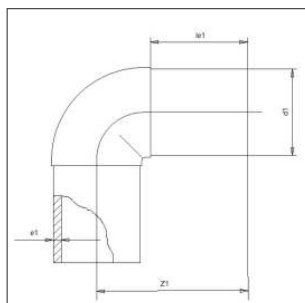
Art.code: PPH—WI-45-LS-FG—GR09300—

0321

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	Material	kg/piece	Art. No.	€/ Stk
11	20	1.9	52	72	10	45	PP-H	0.019	019200083	11,50
11	25	2.3	57	76	10	45	PP-H	0.030	019200084	12,50
11	32	2.9	71	90	10	45	PP-H	0.056	019200085	15,20
11	40	3.7	73	95	10	45	PP-H	0.088	019200086	18,80
11	50	4.6	62	78	10	45	PP-H	0.108	019200087	21,45
11	63	5.8	66	88	10	45	PP-H	0.203	019200089	38,15
11	75	6.8	71	88	10	45	PP-H	0.290	019200090	51,20
11	90	8.2	83	105	10	45	PP-H	0.460	019200092	57,70
11	110	10.0	93	121	10	45	PP-H	0.785	019200094	93,30
11	125	11.4	98	140	10	45	PP-H	1.130	019200095	134,80
11	140	12.7	120	158	10	45	PP-H	1.685	019200385	150,55
11	160	14.6	143	180	10	45	PP-H	2.530	019200097	197,45
11	180	16.4	141	185	10	45	PP-H	3.340	019200149	224,00
11	200	18.2	153	203	10	45	PP-H	4.540	019200151	305,00
11	225	20.5	153	208	10	45	PP-H	5.750	019200098	363,20
11	250	22.7	134	215	10	45	PP-R	7.841	019200296	629,60
11	280	25.4	143	227	10	45	PP-R	10.060	019200298	949,70
11	315	28.6	155	245	10	45	PP-R	13.675	019200300	1.153,10
17.6	50	2.9	62	76	6	45	PP-H	0.082	019200145	18,80
17.6	63	3.6	66	88	6	45	PP-H	0.142	019200088	34,20
17.6	75	4.3	71	88	6	45	PP-H	0.196	019200146	46,25
17.6	90	5.1	83	105	6	45	PP-H	0.325	019200091	51,30
17.6	110	6.3	93	121	6	45	PP-H	0.560	019200093	83,75
17.6	125	7.1	98	137	6	45	PP-H	0.790	019200147	121,80
17.6	140	8.0	120	158	6	45	PP-H	1.245	019200382	149,20
17.6	160	9.1	143	180	6	45	PP-H	1.850	019200096	177,65
17.6	180	10.2	141	185	6	45	PP-H	2.335	019200148	199,65
17.6	200	11.4	152	203	6	45	PP-H	3.130	019200150	273,20
17.6	225	12.8	153	208	6	45	PP-H	3.970	019200152	326,85
17.6	250	14.2	133	215	6	45	PP-R	5.780	019200295	541,70
17.6	280	15.9	143	227	6	45	PP-R	7.285	019200297	817,45
17.6	315	17.9	155	245	6	45	PP-R	9.850	019200299	1.017,20

PP Elbows 90°, injected (SDR 11)

SIMONA



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

Based on DIN EN ISO 15494/C

1.2.2

Product image for illustration purposes only.

Art.code: PPH—WI-90-LS-FG—GR09300—

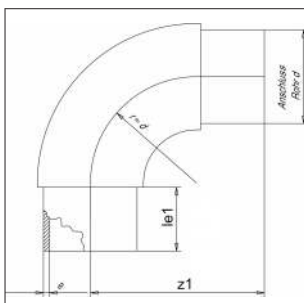
0321

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	Angle (°)	Material	kg/piece	Art. No.	€ / Stk
11	20	1.9	53	75	10	90	PP-H	0.021	019200074	11,10
11	25	2.3	57	84	10	90	PP-H	0.034	019200075	11,50
11	32	2.9	71	100	10	90	PP-H	0.064	019200076	12,35
11	40	3.7	74	109	10	90	PP-H	0.099	019200077	15,75
11	50	4.6	80	108	10	90	PP-H	0.150	019200078	21,20
11	63	5.8	82	120	10	90	PP-H	0.257	019200079	38,15
11	75	6.8	91	136	10	90	PP-H	0.405	019200080	49,95
11	90	8.2	92	146	10	90	PP-H	0.640	019200081	57,70
11	110	10.0	101	165	10	90	PP-H	1.040	019200082	106,05
11	125	11.4	102	175	10	90	PP-H	1.465	019200136	134,80
11	140	12.7	120	200	10	90	PP-H	2.190	019200379	150,55
11	160	14.6	142	233	10	90	PP-H	3.200	019200138	197,45
11	180	16.4	142	247	10	90	PP-H	4.220	019200140	221,85
11	200	18.2	153	262	10	90	PP-H	5.645	019200142	303,65
11	225	20.5	154	281	10	90	PP-H	7.610	019200144	361,30
11	250	22.7	134	293	10	90	PP-R	10.355	019200302	601,70
11	280	25.4	144	330	10	90	PP-R	13.940	019200304	1.013,35
11	315	28.6	153	370	10	90	PP-R	19.865	019200306	1.252,65

PP Bends 90°, injected (SDR 17.6/11)

SIMONA

1.2.2



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected (r~d), with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Product image for illustration purposes only.

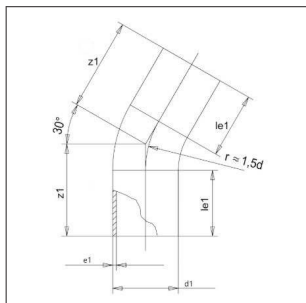
Art.code: PPH—BO-90-LS-FG—GR09300—

0321

SDR	d (mm)	e (mm)	Angle (°)	le1 (mm)	z1 (mm)	kg/piece	Material	Art. No.	€/ Stk
11	20	1.9	90	42	62	0.014	PP-H	019100134	11,40
11	25	2.3	90	42	68	0.020	PP-H	019100135	11,65
11	32	2.9	90	48	79	0.042	PP-H	019100136	13,65
11	40	3.7	90	53	94	0.077	PP-H	019100137	19,65
11	50	4.6	90	59	108	0.140	PP-H	019100139	23,15
11	63	5.8	90	69	131	0.280	PP-H	019100034	39,65
11	75	6.8	90	76	153	0.445	PP-H	019100036	48,45
11	90	8.2	90	84	177	0.720	PP-H	019100038	51,20
11	110	10.0	90	86	197	1.250	PP-H	019100040	80,85
11	125	11.4	90	92	216	1.765	PP-H	019100061	119,70
11	140	12.7	90	96	237	2.445	PP-H	019100062	182,70
11	160	14.6	90	103	268	3.260	PP-H	019100063	192,20
11	180	16.4	90	115	294	4.860	PP-H	019100064	241,90
11	200	18.2	90	123	324	6.450	PP-H	019100065	254,50
11	225	20.5	90	131	353	8.985	PP-H	019100042	337,40
11	250	22.7	90	134	385	12.515	PP-R	019100098	572,80
11	280	25.4	90	155	441	17.590	PP-R	019100100	743,95
11	315	28.6	90	155	474	23.530	PP-R	019100102	1.029,15
11	355	32.2	90	174	530	33.766	PP-R	010036242	2.657,90
11	400	36.3	90	190	590	47.423	PP-R	010036244	3.508,30
11	450	40.9	90	195	645	65.760	PP-R	010026780	4.810,50
11	500	45.4	90	212	710	86.502	PP-R	010026782	6.503,80
17.6	50	2.9	90	60	110	0.125	PP-H	019100138	18,30
17.6	63	3.6	90	67	130	0.207	PP-H	019100033	39,65
17.6	75	4.3	90	76	152	0.330	PP-H	019100066	43,55
17.6	90	5.1	90	83	173	0.490	PP-H	019100037	51,20
17.6	110	6.3	90	85	193	0.885	PP-H	019100039	80,95
17.6	125	7.1	90	92	216	1.260	PP-H	019100067	88,55
17.6	140	8.0	90	97	237	1.680	PP-H	019100068	135,40
17.6	160	9.1	90	103	266	2.405	PP-H	019100069	192,45
17.6	180	10.2	90	115	294	3.410	PP-H	019100070	217,70
17.6	200	11.4	90	123	324	4.540	PP-H	019100071	188,50
17.6	225	12.8	90	131	357	6.355	PP-H	019100041	304,00
17.6	250	14.2	90	134	384	9.545	PP-R	019100097	424,00
17.6	280	15.9	90	154	437	13.170	PP-R	019100099	550,55
17.6	315	17.9	90	150	465	18.430	PP-R	019100101	761,70
17.6	355	20.1	90	174	530	25.313	PP-R	010036241	2.092,80
17.6	400	22.7	90	190	590	35.728	PP-R	010036243	2.875,60
17.6	450	25.5	90	195	645	48.950	PP-R	010026779	3.564,85
17.6	500	28.3	90	212	710	65.060	PP-R	010026781	4.745,70

PP Bends 30°, seamless (SDR 11)

SIMONA



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

seamless, for butt welding and electrofusion welding ($r = 1.5 d$), fabricated from pipe SDR 11

Dimensions

Based on DIN 16962/3

Remark

SDR 17.6 (wall thickness machined from SDR 11 to 17.6) on request

1.2.2

Art.code: PP—BO-30-LS-NH—GR09300—

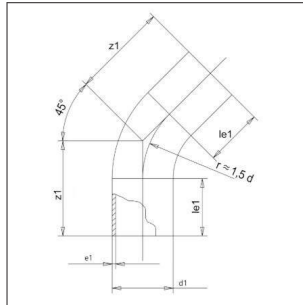
0323

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
11	90	30	8.2	80	210	0.700	10	010101158	166,65
11	110	30	10.0	90	234	1.520	10	010101160	207,95
11	125	30	11.4	120	225	1.960	10	010101162	230,65
11	140	30	12.7	120	231	2.100	10	010101164	255,85
11	160	30	14.6	120	239	3.250	10	010101166	304,75
11	180	30	16.4	120	247	3.710	10	010101168	517,65
11	200	30	18.2	120	255	6.390	10	010101170	576,60
11	225	30	20.5	120	266	7.300	10	010101172	696,65
11	250	30	22.7	220	385	12.400	10	010101174	809,15
11	280	30	25.4	220	400	18.500	10	010101176	961,10
11	315	30	28.6	220	460	20.910	10	010101178	1.186,00

PP Bends 45°, seamless (SDR 11)

SIMONA

1.2.2



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

seamless, for butt welding and electrofusion welding ($r = 1.5 d$), fabricated from pipe SDR 11

Dimensions

Based on DIN 16962/3

Remark

SDR 17.6 (wall thickness machined from SDR 11 to 17.6) on request

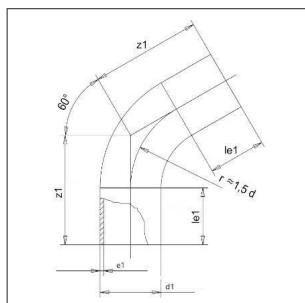
Art.code: PP—B0-45-LS-NH—GR09300—

0323

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
11	90	45	8.2	80	227	0.780	10	010100403	168,00
11	110	45	10.0	90	255	1.500	10	010100405	210,85
11	125	45	11.4	120	253	2.100	10	010100406	235,25
11	140	45	12.7	120	262	2.870	10	010100407	261,30
11	160	45	14.6	120	274	3.260	10	010100408	312,60
11	180	45	16.4	120	287	4.880	10	010101139	527,00
11	200	45	18.2	120	299	6.870	10	010101141	585,80
11	225	45	20.5	120	315	8.500	10	010100409	708,15
11	250	45	22.7	220	440	14.200	10	010101144	837,85
11	280	45	25.4	220	460	20.280	10	010101146	999,85
11	315	45	28.6	220	535	27.060	10	010101148	1.240,90

PP Bends 60°, seamless (SDR 11)

SIMONA



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

seamless, for butt welding and electrofusion welding ($r = 1.5 d$), fabricated from pipe SDR 11

Dimensions

Based on DIN 16962/3

Remark

SDR 17.6 (wall thickness machined from SDR 11 to 17.6) on request

1.2.2

Art.code: PP—BO-60-LS-NH—GR09300—

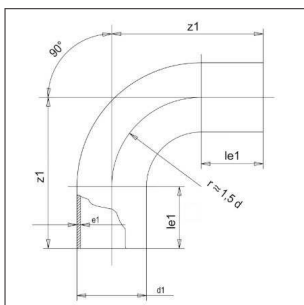
0323

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
11	90	60	8.2	80	243	0.910	10	010101109	169,80
11	110	60	10.0	90	270	1.720	10	010101111	214,00
11	125	60	11.4	120	248	2.360	10	010101113	240,40
11	140	60	12.7	120	296	2.660	10	010101115	267,40
11	160	60	14.6	120	313	3.680	10	010101117	322,45
11	180	60	16.4	120	330	5.440	10	010101119	539,70
11	200	60	18.2	120	348	7.360	10	010101121	600,05
11	225	60	20.5	120	370	8.550	10	010101123	721,75
11	250	60	22.7	220	500	15.500	10	010101125	865,65
11	280	60	25.4	220	530	23.000	10	010101127	1.039,20
11	315	60	28.6	220	612	28.000	10	010101129	1.300,75

PP Bends 90°, seamless (SDR 11)

SIMONA

1.2.2



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

seamless, for butt welding and electrofusion welding ($r = 1.5 d$), fabricated from pipe SDR 11

Dimensions

Based on DIN 16962/3

Remark

SDR 17.6 (wall thickness machined from SDR 11 to 17.6) on request

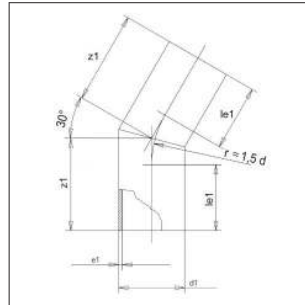
Art.code: PP—BO-90-LS-NH—GR09300—

0323

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
11	90	90	8.2	80	310	0.996	10	010100416	173,00
11	110	90	10.0	90	315	1.800	10	010100418	217,10
11	125	90	11.4	120	363	2.620	10	010100419	247,40
11	140	90	12.7	120	385	3.200	10	010100420	278,40
11	160	90	14.6	120	415	4.520	10	010100422	339,80
11	180	90	16.4	120	445	6.400	10	010100424	569,45
11	200	90	18.2	120	475	7.680	10	010101092	632,90
11	225	90	20.5	120	513	11.000	10	010100425	763,45
11	250	90	22.7	220	650	16.900	10	010101095	919,85
11	280	90	25.4	220	695	24.500	10	010101097	1.117,10
11	315	90	28.6	220	803	36.000	10	010101099	1.410,30

PP Bends 30°, segment welded (SDR 17.6/11)

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

segment welded ($r = 1.5 d$), for butt welding and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

pressure reduction factor: 0.8

1.2.2

Product image for illustration purposes only.

Art.code: PP—BO-30-LS-GS—GR09300—

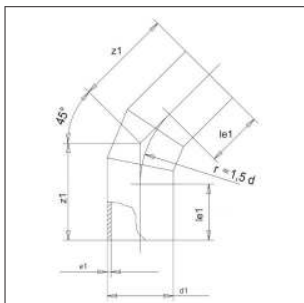
0324

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	attenuation factor	kg/piece	Art. No.	€/ Stk
11	90	30	8.2	100	136	10	0.8	0.610	010101012	94,85
11	110	30	10.0	150	194	10	0.8	1.180	010101017	101,80
11	125	30	11.4	150	200	10	0.8	1.580	010101021	119,40
11	140	30	12.7	150	206	10	0.8	2.040	010101025	137,00
11	160	30	14.6	150	214	10	0.8	2.770	010101029	162,25
11	180	30	16.4	150	222	10	0.8	3.620	010101033	192,90
11	200	30	18.2	150	230	10	0.8	4.630	010101037	223,35
11	225	30	20.5	150	241	10	0.8	6.090	010101041	262,70
11	250	30	22.7	250	350	10	0.8	11.000	010101045	355,55
11	280	30	25.4	250	362	10	0.8	14.200	010101049	418,50
11	315	30	28.6	300	428	10	0.8	21.200	010101053	520,25
11	355	30	32.2	300	443	10	0.8	27.900	010101057	721,95
11	400	30	36.3	300	461	10	0.8	36.900	010101061	902,40
11	450	30	40.9	300	481	10	0.8	48.700	010101065	1.138,00
11	500	30	45.4	350	551	10	0.8	73.000	010101069	1.653,30
17.6	90	30	5.1	100	136	6	0.8	0.400	010101011	68,20
17.6	110	30	6.3	150	194	6	0.8	0.782	010101016	75,45
17.6	125	30	7.1	150	200	6	0.8	1.030	010101020	87,95
17.6	140	30	8.0	150	206	6	0.8	1.320	010101024	101,00
17.6	160	30	9.1	150	214	6	0.8	1.800	010101028	118,45
17.6	180	30	10.2	150	222	6	0.8	2.360	010101032	139,05
17.6	200	30	11.4	150	230	6	0.8	3.030	010101036	159,45
17.6	225	30	12.8	150	241	6	0.8	3.980	010101040	189,15
17.6	250	30	14.2	250	350	6	0.8	7.200	010101044	250,70
17.6	280	30	15.9	250	362	6	0.8	9.270	010101048	296,35
17.6	315	30	17.9	300	428	6	0.8	13.800	010101052	351,85
17.6	355	30	21.1	300	443	6	0.8	18.200	010101056	478,50
17.6	400	30	22.7	300	461	6	0.8	24.000	010101060	596,25
17.6	450	30	25.5	300	481	6	0.8	31.600	010101064	749,05
17.6	500	30	28.4	350	551	6	0.8	44.800	010101068	1.105,00
17.6	560	30	31.7	350	575	6	0.8	58.500	010101072	1.374,65
17.6	630	30	35.7	350	603	6	0.8	77.700	010101075	1.814,70
17.6	710	30	40.2	350	636	6	0.8	102.000	010101078	2.311,80
17.6	800	30	45.3	350	672	6	0.8	138.000	010101081	2.981,40

PP Bends 45°, segment welded (SDR 17.6/11)

SIMONA

1.2.2



Material

PP-H

Colour

grey - RAL 7032

Execution

segment welded ($r = 1.5 d$), for butt welding and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

pressure reduction factor: 0.8

Product image for illustration purposes only.

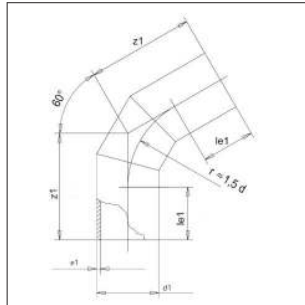
Art.code: PP—BO-45-LS-GS—GR09300—

0324

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	attenuation factor	kg/piece	Art. No.	€/ Stk
11	90	45	8.2	100	156	10	0.8	0.730	010100936	180,40
11	110	45	10.0	150	218	10	0.8	1.380	010100940	189,45
11	125	45	11.4	150	228	10	0.8	1.780	010100944	220,00
11	140	45	12.7	150	237	10	0.8	2.310	010100948	249,75
11	160	45	14.6	150	249	10	0.8	3.170	010100952	293,05
11	180	45	16.4	150	262	10	0.8	4.180	010100956	341,75
11	200	45	18.2	150	274	10	0.8	5.440	010100960	389,00
11	225	45	20.5	150	290	10	0.8	7.300	010100964	454,50
11	250	45	22.7	250	412	10	0.8	12.500	010100968	572,80
11	280	45	25.4	250	424	10	0.8	16.300	010100972	666,80
11	315	45	28.6	300	498	10	0.8	24.300	010100976	780,20
11	355	45	32.2	300	520	10	0.8	32.300	010100980	1.039,95
11	400	45	36.3	300	548	10	0.8	43.200	010100984	1.283,15
11	450	45	40.9	300	580	10	0.8	57.700	010100988	1.598,30
11	500	45	45.4	350	665	10	0.8	87.200	010100992	2.356,95
17.6	90	45	5.1	100	156	6	0.8	0.480	010100935	130,20
17.6	110	45	6.3	150	218	6	0.8	0.870	010100939	141,75
17.6	125	45	7.1	150	228	6	0.8	1.160	010100943	162,85
17.6	140	45	8.0	150	237	6	0.8	1.510	010100947	186,00
17.6	160	45	9.1	150	249	6	0.8	2.070	010100951	215,85
17.6	180	45	10.2	150	262	6	0.8	2.720	010100955	249,50
17.6	200	45	11.4	150	274	6	0.8	3.570	010100959	284,10
17.6	225	45	12.8	150	290	6	0.8	4.710	010100963	331,40
17.6	250	45	14.2	250	412	6	0.8	8.180	010100967	411,70
17.6	280	45	15.9	250	424	6	0.8	10.600	010100971	480,15
17.6	315	45	17.9	300	498	6	0.8	15.700	010100975	533,95
17.6	355	45	20.1	300	520	6	0.8	21.000	010100979	698,90
17.6	400	45	22.7	300	548	6	0.8	28.100	010100983	859,15
17.6	450	45	25.5	300	580	6	0.8	37.400	010100987	1.071,90
17.6	500	45	28.4	350	665	6	0.8	52.600	010100991	1.604,40
17.6	560	45	31.7	350	698	6	0.8	69.600	010100995	1.969,65
17.6	630	45	35.7	350	741	6	0.8	93.300	010100998	2.467,90
17.6	710	45	40.2	350	792	6	0.8	125.000	010101001	3.166,55
17.6	800	45	45.3	350	847	6	0.8	170.000	010101004	4.059,40

PP Bends 60°, segment welded (SDR 17.6/11)

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

segment welded ($r = 1.5 d$), for butt welding and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

pressure reduction factor: 0.8

1.2.2

Product image for illustration purposes only.

Art.code: PP—BO-60-LS-GS—GR09300—

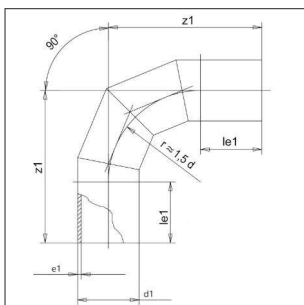
0324

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	attenuation factor	kg/piece	Art. No.	€/ Stk
11	90	60	8.2	100	178	10	0.8	0.810	010100860	181,25
11	110	60	10.0	150	245	10	0.8	1.440	010100864	191,35
11	125	60	11.4	150	258	10	0.8	1.990	010100868	222,80
11	140	60	12.7	150	271	10	0.8	2.590	010100872	253,60
11	160	60	14.6	150	288	10	0.8	3.600	010100876	298,70
11	180	60	16.4	150	305	10	0.8	4.800	010100880	350,50
11	200	60	18.2	150	323	10	0.8	6.240	010100884	400,85
11	225	60	20.5	150	345	10	0.8	8.390	010100888	471,30
11	250	60	22.7	250	468	10	0.8	14.100	010100892	596,60
11	280	60	25.4	250	492	10	0.8	18.700	010100896	698,85
11	315	60	28.6	300	576	10	0.8	27.600	010100900	826,70
11	355	60	32.2	300	608	10	0.8	36.900	010100904	1.119,20
11	400	60	36.3	300	646	10	0.8	49.800	010100908	1.396,05
11	450	60	40.9	300	689	10	0.8	67.000	010100912	1.758,95
11	500	60	45.4	350	783	10	0.8	100.130	010100916	2.573,70
17.6	90	60	5.1	100	178	6	0.8	0.530	010100859	131,00
17.6	110	60	6.3	150	245	6	0.8	0.960	010100863	142,80
17.6	125	60	7.1	150	258	6	0.8	1.290	010100867	164,75
17.6	140	60	8.0	150	271	6	0.8	1.690	010100871	188,55
17.6	160	60	9.1	150	288	6	0.8	2.350	010100875	219,60
17.6	180	60	10.2	150	305	6	0.8	3.120	010100879	255,15
17.6	200	60	11.4	150	323	6	0.8	4.080	010100883	291,55
17.6	225	60	12.8	150	345	6	0.8	5.470	010100887	342,45
17.6	250	60	14.2	250	468	6	0.8	9.250	010100891	427,10
17.6	280	60	15.9	250	492	6	0.8	12.100	010100895	501,40
17.6	315	60	17.9	300	576	6	0.8	17.900	010100899	564,25
17.6	355	60	20.1	300	608	6	0.8	24.000	010100903	749,85
17.6	400	60	22.7	300	646	6	0.8	32.400	010100907	931,15
17.6	450	60	25.5	300	689	6	0.8	43.400	010100911	1.172,85
17.6	500	60	28.4	350	783	6	0.8	61.000	010100915	1.742,70
17.6	560	60	31.7	350	835	6	0.8	81.300	010100919	2.163,80
17.6	630	60	35.7	350	896	6	0.8	110.400	010100922	2.744,60
17.6	710	60	40.2	350	965	6	0.8	149.000	010100925	3.561,75
17.6	800	60	45.3	350	1043	6	0.8	204.000	010100928	4.627,20

PP Bends 90°, segment welded (SDR 17.6/11)

SIMONA

1.2.2



Material

PP-H

Colour

grey - RAL 7032

Execution

segment welded ($r = 1.5 d$), for butt welding and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

pressure reduction factor: 0.8

Product image for illustration purposes only.

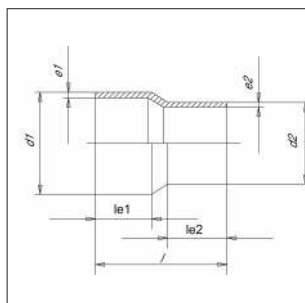
Art.code: PP—BO-90-LS-GS—GR09300—

0324

SDR	d (mm)	Angle (°)	e (mm)	le1 (mm)	z1 (mm)	PN (bar)	attenuation factor	kg/piece	Art. No.	€/ Stk
11	90	90	8.2	100	285	10	0.8	1.020	010100829	267,90
11	110	90	10.0	150	315	10	0.8	1.800	010100830	280,80
11	125	90	11.4	150	338	10	0.8	2.400	010100831	326,05
11	140	90	12.7	150	360	10	0.8	3.150	010100832	370,35
11	160	90	14.6	150	390	10	0.8	4.430	010100834	435,10
11	180	90	16.4	150	420	10	0.8	5.980	010100836	508,25
11	200	90	18.2	150	450	10	0.8	7.870	010100838	579,90
11	225	90	20.5	150	488	10	0.8	10.600	010100840	679,95
11	250	90	22.7	250	625	10	0.8	17.300	010100842	837,55
11	280	90	25.4	250	670	10	0.8	23.100	010100844	979,15
11	315	90	28.6	300	773	10	0.8	33.800	010100846	1.133,10
11	355	90	32.2	300	833	10	0.8	46.000	010100848	1.516,85
11	400	90	36.3	300	900	10	0.8	61.400	010100850	1.889,45
11	450	90	40.9	300	975	10	0.8	85.300	010100104	2.379,80
11	500	90	45.4	350	1100	10	0.8	121.940	010100852	3.494,30
17.6	90	90	5.1	100	285	6	0.8	0.670	010100825	193,60
17.6	110	90	6.3	150	315	6	0.8	1.130	010100826	210,15
17.6	125	90	7.1	150	338	6	0.8	1.560	010100827	241,75
17.6	140	90	8.0	150	360	6	0.8	2.060	010100828	276,10
17.6	160	90	9.1	150	390	6	0.8	2.890	010100833	320,80
17.6	180	90	10.2	150	420	6	0.8	3.890	010100835	371,35
17.6	200	90	11.4	150	450	6	0.8	5.400	010100837	423,65
17.6	225	90	12.8	150	488	6	0.8	6.960	010100839	495,70
17.6	250	90	14.2	250	625	6	0.8	11.300	010100841	603,35
17.6	280	90	15.9	250	670	6	0.8	15.000	010100843	706,30
17.6	315	90	17.9	300	773	6	0.8	21.900	010100845	776,85
17.6	355	90	20.1	300	833	6	0.8	29.900	010100847	1.020,90
17.6	400	90	22.7	300	900	6	0.8	40.700	010100849	1.266,05
17.6	450	90	25.5	300	975	6	0.8	55.400	010100103	1.596,75
17.6	500	90	28.4	350	1100	6	0.8	77.400	010100851	2.380,45
17.6	560	90	31.7	350	1190	6	0.8	104.500	010100853	2.952,85
17.6	630	90	35.7	350	1295	6	0.8	143.300	010100854	3.745,80
17.6	710	90	40.2	350	1415	6	0.8	195.000	010100855	4.872,10
17.6	800	90	45.3	350	1550	6	0.8	270.000	010100856	6.341,15

PP-R Reducers concentric, injected, elongated (SDR 17.6/11)

SIMONA



Material

PP-R

Colour

grey - RAL 7032

Execution

injected, for butt welding

Dimensions

DIN EN ISO 15494/C

1.2.2

Product image for illustration purposes only.

Art.code: PP—RZ—LS—FG—GR09300—

0320

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	355	225	32.2	20.5	180	130	410	9.830	010060339	1.150,00
11	355	250	32.2	22.7	180	140	408	10.140	010060340	1.150,00
11	355	280	32.2	25.4	180	150	408	10.600	010060341	1.150,00
11	355	315	32.2	28.6	180	165	408	11.310	010060342	1.150,00
17.6	355	225	20.1	12.8	180	130	410	6.520	010060343	1.080,00
17.6	355	250	20.1	14.2	180	140	408	6.810	010060344	1.080,00
17.6	355	280	20.1	15.9	180	150	408	7.140	010060345	1.080,00
17.6	355	315	20.1	17.9	180	165	408	7.670	010060346	1.080,00

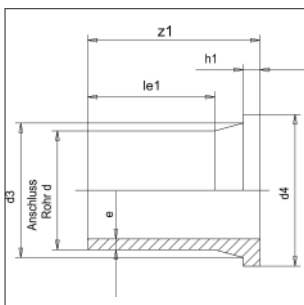
PP Stub flanges for loose flange ISO/DIN (SDR 11)

SIMONA

1.2.2



Product image for illustration purposes only.



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

SDR 17.6 on request

Art.code: PP—VB—LS—FG—DN—GR09300—

0321

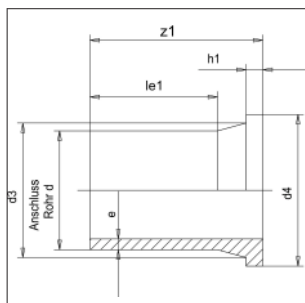
SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	kg/piece	Material	Art. No.	€/ Stk
11	20	1.9	27	45	41	85	7	10	0.020	PP-H	010005840	9,85
11	32	2.9	40	68	62	86	10	10	0.056	PP-H	019400247	11,40
11	40	3.7	50	78	62	89	11	10	0.080	PP-H	019400248	13,55
11	50	4.6	60	88	62	90	12	10	0.135	PP-H	019400249	17,25
11	63	5.8	75	102	70	106	14	10	0.200	PP-H	019400250	20,05
11	75	6.8	91	123	97	133	16	10	0.310	PP-H	019400251	25,35
11	90	8.2	105	138	100	140	17	10	0.450	PP-H	019400252	33,30
11	110	10.0	125	158	113	160	18	10	0.700	PP-H	019400253	41,50
11	125	11.4	132	158	136	188	25	10	0.860	PP-H	010021401	51,20
11	140	12.7	155	188	130	182	25	10	1.225	PP-R	019400180	65,70
11	160	14.6	175	212	155	208	25	10	1.820	PP-H	010021403	73,35
11	180	16.4	186	212	168	200	30	10	1.960	PP-H	010021405	115,50
11	200	18.2	232	268	128	201	32	10	3.015	PP-H	010021407	131,80
11	225	20.5	235	268	135	201	32	10	3.080	PP-H	010021409	141,90
11	250	22.7	285	320	132	225	35	10	4.800	PP-R	019400197	217,60
11	280	25.4	291	320	155	235	35	10	5.175	PP-R	019400243	287,55
11	315	28.6	335	370	170	250	36	10	7.140	PP-R	019400201	364,70

PP Stub flanges for loose flange ANSI (SDR 11)

SIMONA



Product image for illustration purposes only.



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

for application of ANSI loose flanges from d=110 mm stub flanges acc. to ISO/DIN can be used

1.2.2

Art.code: PPH—VB—LS—FG—AN—GR09300—

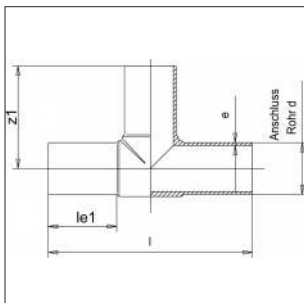
0321

SDR	d (mm)	d4 (mm)	e (mm)	le1 (mm)	z1 (mm)	h1 (mm)	kg/piece	PN (bar)	Material	Art. No.	€ / Stk
11	32	63	2.9	62	85	10	0.059	10	PP-H	010600687	13,75
11	40	73	3.7	49	85	11	0.075	10	PP-H	010600688	15,90
11	50	83	4.6	62	90	12	0.130	10	PP-H	010600689	20,60
11	63	100	5.8	70	106	14	0.195	10	PP-H	010600691	24,20
11	75	120	6.8	94	130	16	0.310	10	PP-H	010600693	30,35
11	90	133	8.2	100	140	17	0.450	10	PP-H	010600695	39,95

PP Tees, injected (SDR 17.6/11)

SIMONA

1.2.2



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

Based on DIN EN ISO 15494/C

Remark

more designs, see page 39

Product image for illustration purposes only.

Art.code: PP—TS—LS—FG—GR09300—

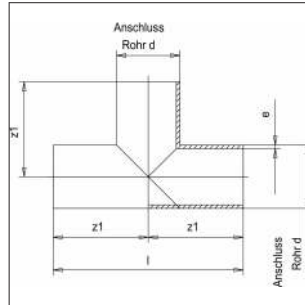
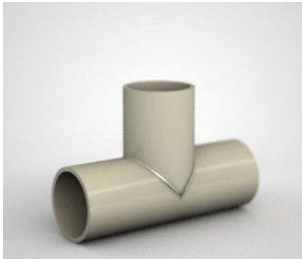
0321

SDR	Length (mm)	le1 (mm)	z1 (mm)	d (mm)	e (mm)	kg/piece	PN (bar)	Material	Art. No.	€/ Stk
11	108	41	54	20	1.9	0.020	10	PP-H	019300095	12,25
11	120	41	60	25	2.3	0.034	10	PP-H	019300094	14,05
11	134	46	67	32	2.9	0.060	10	PP-H	019300083	16,70
11	164	52	82	40	3.7	0.106	10	PP-H	019300064	20,00
11	184	57	92	50	4.6	0.185	10	PP-H	019300099	26,55
11	216	67	108	63	5.8	0.337	10	PP-H	019300100	36,05
11	244	72	122	75	6.8	0.545	10	PP-H	019300101	54,90
11	276	80	138	90	8.2	0.920	10	PP-H	019300109	84,30
11	322	87	161	110	10.0	1.545	10	PP-H	019300110	119,65
11	356	93.5	175	125	11.4	2.210	10	PP-R	019300024	168,75
11	380	98	190	140	12.7	2.780	10	PP-R	019300025	254,80
11	412	104	206	160	14.6	4.140	10	PP-H	019300112	295,70
11	520	143	260	180	16.4	6.790	10	PP-H	019300113	418,10
11	506	124	253	200	18.2	8.100	10	PP-H	019300114	601,85
11	556	129	278	225	20.5	6.832	10	PP-H	019300115	712,95
11	630	148	315	250	22.7	13.100	10	PP-R	019300047	1.012,00
11	704	161	352	280	25.0	17.800	10	PP-R	019300045	1.301,20
11	760	170	380	315	28.6	19.000	10	PP-R	019300048	1.943,75
11	828	167	414	355	32.2	27.900	10	PP-R	019300213	*
11	914	198	457	400	36.3	37.000	10	PP-R	019300214	*
11	954	198	477	450	40.9	58.000	10	PP-R	019300210	*
11	1040	219	520	500	45.4	73.000	10	PP-R	019300212	*
11	1200	245	600	560	50.8	150.000	10	PP-R	010030451	8.801,50
11	1300	265	650	630	57.2	200.000	10	PP-R	010030452	11.986,25
17.6	1246	245	623	560	31.7	120.000	6	PP-R	010030449	7.483,15
17.6	1350	265	675	630	35.7	160.000	6	PP-R	010030450	9.510,25

* on request

PP Tees, segment welded (SDR 33/17.6/11)

SIMONA



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

fabricated from pipe, for butt welding and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

segment welded tees without reinforcement:
SDR 33 pressure-less; SDR 17,6 and SDR 11 pressure reduction factor: 0.65

1.2.2

Art.code: PP—TS—LS—GS—GR09300—

0324

SDR	d (mm)	Length (mm)	z1 (mm)	e (mm)	kg/piece	PN (bar)	attenuation factor	Art. No.	€ / Stk
11	90	390	195	8.2	1.210	10	0.65	010300427	298,00
11	110	410	205	10.0	1.760	10	0.65	010300431	300,55
11	125	430	215	11.4	2.370	10	0.65	010300435	309,25
11	140	440	220	12.7	3.010	10	0.65	010300439	351,60
11	160	460	230	14.6	4.060	10	0.65	010300443	412,95
11	180	480	240	16.4	5.300	10	0.65	010300447	449,00
11	200	500	250	18.2	6.750	10	0.65	010300451	512,85
11	225	530	265	20.5	8.960	10	0.65	010300455	602,20
11	250	750	375	22.7	16.200	10	0.65	010300459	766,75
11	280	780	390	25.4	20.900	10	0.65	010300463	896,80
11	315	920	460	28.6	31.400	10	0.65	010300467	1.138,50
11	355	960	480	32.2	39.800	10	0.65	010300471	1.520,95
11	400	1000	500	36.3	52.100	10	0.65	010300475	2.245,50
11	450	1050	525	40.9	68.500	10	0.65	010300241	2.759,65
11	500	1200	600	45.4	104.000	10	0.65	010300242	3.459,45
17.6	90	390	195	5.1	0.790	6	0.65	010300426	256,20
17.6	110	410	205	6.3	1.160	6	0.65	010300430	233,40
17.6	125	430	215	7.1	1.550	6	0.65	010300434	268,00
17.6	140	440	220	8.0	1.960	6	0.65	010300438	305,60
17.6	160	460	230	9.1	2.650	6	0.65	010300442	322,80
17.6	180	480	240	10.2	3.450	6	0.65	010300446	352,10
17.6	200	500	250	11.4	4.510	6	0.65	010300450	401,25
17.6	225	530	265	12.8	5.830	6	0.65	010300454	469,30
17.6	250	750	375	14.2	10.500	6	0.65	010300458	583,85
17.6	280	780	390	15.9	13.600	6	0.65	010300462	682,55
17.6	315	920	460	17.9	20.400	6	0.65	010300466	848,55
17.6	355	960	480	20.1	25.800	6	0.65	010300470	1.099,95
17.6	400	1000	500	22.7	35.400	6	0.65	010300474	1.645,90
17.6	450	1050	525	25.5	44.400	6	0.65	010300478	1.983,55
17.6	500	1200	600	28.4	60.284	6	0.65	010300481	2.472,45
17.6	560	1260	630	31.7	81.800	6	0.65	010300484	3.029,20
17.6	630	1330	665	35.7	108.000	6	0.65	010300487	4.432,10
17.6	710	1410	705	40.2	154.000	6	0.65	010300490	6.724,10
17.6	800	1500	750	45.3	213.000	6	0.65	010300493	8.323,70
33	90	390	195	2.8	0.250	3.2	0.65	010300425	199,40
33	110	410	205	3.4	0.670	3.2	0.65	010300429	244,45
33	125	430	215	3.9	0.880	3.2	0.65	010300433	255,50
33	140	440	220	4.3	1.130	3.2	0.65	010300437	284,75
33	160	460	230	4.9	1.500	3.2	0.65	010300441	294,55
33	180	480	240	5.5	1.960	3.2	0.65	010300445	318,60
33	200	500	250	6.2	2.490	3.2	0.65	010300449	364,75
33	225	530	265	6.9	3.300	3.2	0.65	010300453	415,50
33	250	750	375	7.7	5.980	3.2	0.65	010300457	500,10
33	280	780	390	8.6	7.700	3.2	0.65	010300461	548,75
33	315	920	460	9.7	11.500	3.2	0.65	010300465	674,15
33	355	960	480	10.9	15.200	3.2	0.65	010300469	816,05

PP Tees, segment welded (SDR 33/17.6/11)



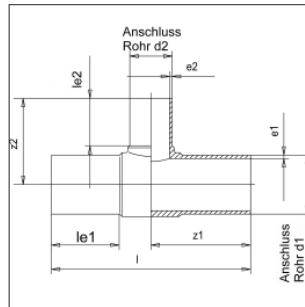
1.2.2

Art.code: PP—TS—LS—GS—GR09300— 0324

SDR	d	Length	z1	e	kg/piece	PN	attenuation factor	Art. No.	€ / Stk
	(mm)	(mm)	(mm)	(mm)		(bar)			
33	400	1000	500	12.3	19.700	3.2	0.65	010300473	1.251,10
33	450	1050	525	13.8	25.900	3.2	0.65	010300477	1.538,45
33	500	1200	600	15.3	36.600	3.2	0.65	010300480	1.874,85
33	560	1260	630	17.2	45.800	3.2	0.65	010300483	2.273,05
33	630	1330	665	19.3	63.200	3.2	0.65	010300486	3.089,80
33	710	1410	705	21.8	96.430	3.2	0.65	010300489	3.412,65
33	800	1500	750	24.5	129.580	3.2	0.65	010300492	4.330,90
33	900	1700	850	27.6	152.950	3.2	0.65	010300495	5.605,65
33	1000	1800	900	30.6	198.550	3.2	0.65	010300497	8.171,25

PP Tees with reduced branch, injected (SDR 11)

SIMONA



Material

PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

Based on DIN EN ISO 15494/C

1.2.2

Product image for illustration purposes only.

Art.code: PP—TSR—LS—FG—GR09300—

0321

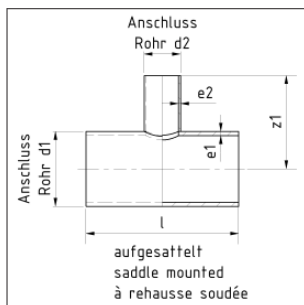
SDR	d1 (mm)	d2 (mm)	e (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	e2 (mm)	Art. No.	€/ Stk
11	63	50	5.8	63	56	110	103	220	0.300	4.6	013500143	39,65
11	75	50	6.8	75	56	132.5	110	265	0.540	4.6	013500331	61,70
11	75	63	6.8	72	63	130	117	260	0.560	5.8	013500144	62,65
11	90	50	8.2	81	59	135	120	270	0.782	4.6	013500577	*
11	90	63	8.2	82	66	141	127	282	0.790	5.8	013500578	87,35
11	90	75	8.2	77	71	139	140	278	0.800	6.8	013500145	87,90
11	110	63	10.0	88	68	164	149	328	1.345	5.8	013500332	129,40
11	110	75	10.0	85	70	157.5	151	315	1.250	6.8	013500146	137,85
11	110	90	10.0	85	79.5	158.5	156	317	1.440	8.2	013500333	162,55
11	125	90	11.4	112	92	170	170	340	1.660	8.2	022300039	172,25
11	125	110	11.4	90	83	170	170	340	1.860	10	013500334	179,90
11	160	63	14.6	105	65	208	170	416	3.440	5.8	013500147	352,65
11	160	75	14.6	101	76	174	179	348	2.560	6.8	013500335	355,55
11	160	90	14.6	101	80	174.5	182	349	3.685	8.2	013500579	355,55
11	160	110	14.6	104	89	207	200	414	3.685	10	013500580	364,40
11	180	90	16.4	106	81	186	196	372	4.360	8.2	022300036	401,25
11	180	110	16.4	107	84	186.5	202	373	4.640	10	022300041	458,50
11	200	63	18.2	135	81	280	226	560	5.700	5.8	022300161	659,50
11	200	90	18.2	137	92	280	230	560	6.550	8.2	022300162	681,85
11	200	110	18.2	136	105	280	245	560	7.040	10	022300163	697,30
11	200	160	18.2	137	118	282	275	564	8.300	14.6	013500337	747,10
11	225	75	20.5	129	73	280	219	560	6.400	6.8	013500338	791,55
11	225	90	20.5	124	79	228	226	456	9.380	8.2	013500148	822,75
11	225	110	20.5	124	85	228	226	456	6.600	10	013500581	829,05
11	225	160	20.5	130	130	280	258	560	10.000	14.6	013500582	831,55
11	225	180	20.5	135	135	279	280	558	10.450	16.4	013500339	834,50
11	250	110									022300164	*
11	250	160							11.350		022300165	*
11	315	110	28.6	170	102	277.5	292	555	15.280	10	022300166	*
11	315	160	28.6	170	120	292.5	315	585	16.600	14.6	022300167	*
11	315	225	28.6	170	145	325	335	650	24.820	20.5	022300043	*
11	315	250	28.6	170	150	340	340	680	21.000	22.7	022300168	*

* on request

PP Tees with reduced branch, welded (SDR 17.6/11)

SIMONA

1.2.2



Material

PP-H

Colour

grey - RAL 7032

Execution

fabricated from pipe SDR 17.6 and SDR 11, for butt welding and electrofusion welding, saddlemounted

Dimensions

DIN EN ISO 15494/C

Remark

welded tees without reinforcement, Pressure reduction factor SDR 17.6: 0.5 / SDR 11: 0.6; SDR 33 on request

Art.code: PP—TSR—LS—GS—GR09300—

0324

SDR	d1	d2	e2	Length	z1	e	kg/piece	attenuation factor	Art. No.	€/ Stk
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
11	90	50	4.6	250	150	8.2	0.570	0.6	013500601	159,95
11	110	50	4.6	260	160	10.0	0.820	0.6	013500603	163,85
11	110	63	5.8	270	170	10.0	0.900	0.6	013500604	170,20
11	125	50	4.6	270	170	11.4	1.050	0.6	013500606	167,60
11	125	63	5.8	290	180	11.4	1.150	0.6	013500607	174,80
11	125	75	6.8	300	190	11.4	1.240	0.6	013500608	192,00
11	140	63	5.8	300	190	12.7	1.420	0.6	013500610	179,30
11	140	75	6.8	310	200	12.7	1.520	0.6	013500611	202,05
11	140	90	8.2	320	220	12.7	1.660	0.6	013500612	215,05
11	160	63	5.8	310	200	14.6	1.820	0.6	013500614	186,75
11	160	75	6.8	320	210	14.6	1.940	0.6	013500615	209,70
11	160	90	8.2	340	230	14.6	2.120	0.6	013500616	223,65
11	160	110	10	360	230	14.6	2.370	0.6	013500617	243,85
11	180	75	6.8	340	220	16.4	2.420	0.6	013500618	245,70
11	180	90	8.2	360	240	16.4	2.620	0.6	013500619	270,65
11	180	110	10	380	240	16.3	2.920	0.6	013500620	291,35
11	200	75	6.8	360	230	18.2	2.940	0.6	013500622	257,75
11	200	90	8.2	270	250	18.2	3.180	0.6	013500623	281,80
11	200	110	10	390	250	18.2	3.530	0.6	013500624	302,90
11	200	140	12.7	420	270	18.2	5.360	0.6	013500625	355,40
11	225	75	6.8	380	240	20.5	3.690	0.6	013500627	274,85
11	225	90	8.2	390	260	20.5	3.990	0.6	013500628	299,25
11	225	110	10	410	270	20.5	4.400	0.6	013500629	321,15
11	250	90	8.2	420	270	22.7	4.800	0.6	013500633	321,70
11	250	110	10	440	280	22.7	5.340	0.6	013500634	344,30
11	250	140	12.7	470	300	22.7	7.920	0.6	013500635	398,85
11	280	90	8.2	440	290	25.4	6.050	0.6	013500639	350,45
11	280	110	10	460	290	25.4	6.160	0.6	013500640	374,25
11	280	140	12.7	490	310	25.4	9.750	0.6	013500641	430,15
11	280	160	14.6	510	320	25.4	10.500	0.6	013500642	477,95
11	280	180	16.4	530	330	25.4	10.300	0.6	013500643	511,35
11	280	200	18.2	550	350	25.4	12.140	0.6	013500644	552,20
11	315	110	10	490	310	28.6	8.250	0.6	013500646	418,10
11	315	140	12.7	520	330	28.6	12.090	0.6	013500647	476,30
11	315	160	14.6	540	340	28.3	12.980	0.6	013500648	525,15
11	315	180	16.4	560	350	28.6	12.600	0.6	013500649	560,10
11	315	200	18.2	580	360	28.6	13.800	0.6	013500650	601,85
11	315	225	20.5	600	380	28.6	16.190	0.6	013500651	648,60
11	355	110	10	530	330	32.2	10.360	0.6	013500653	482,10
11	355	140	12.7	560	350	32.2	15.090	0.6	013500654	543,05
11	355	160	14.6	580	360	32.2	16.140	0.6	013500655	593,75
11	355	180	16.4	600	370	32.2	17.240	0.6	013500656	630,20
11	355	200	18.2	320	380	32.2	18.380	0.6	013500657	673,75
11	355	225	20.5	640	400	32.2	19.900	0.6	013500658	721,95
11	355	250	22.7	670	420	32.2	21.500	0.6	013500659	793,70

PP Tees with reduced branch, welded (SDR 17.6/11)



Art.code: PP—TSR—LS—GS—GR09300—

0324

1.2.2

SDR	d1	d2	e2	Length	z1	e	kg/piece	attenuation factor	Art. No.	€/ Stk
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
11	400	140	12.7	590	370	36.3	18.930	0.6	013500661	693,40
11	400	160	14.6	610	380	36.3	20.180	0.6	013500662	760,05
11	400	180	16.4	630	390	36.3	21.480	0.6	013500663	802,35
11	400	200	18.2	650	410	36.3	22.830	0.6	013500664	846,65
11	400	225	20.5	680	420	36.3	24.610	0.6	013500665	918,40
11	400	250	22.7	700	440	36.3	26.480	0.6	013500666	987,65
11	400	280	25.4	730	460	36.3	28.870	0.6	013500667	1.062,00
11	450	140	12.7	630	400	40.9	23.680	0.6	013500668	833,05
11	450	160	14.6	650	410	40.9	25.160	0.6	013500669	903,25
11	450	180	16.4	670	420	40.9	26.720	0.6	013500670	948,95
11	450	200	18.2	690	430	40.9	28.330	0.6	013500671	996,45
11	450	225	20.5	720	450	40.9	30.450	0.6	013500672	1.073,30
11	450	250	22.7	740	460	40.9	32.650	0.6	013500673	1.145,65
11	450	280	25.4	770	480	40.9	35.450	0.6	013500674	1.224,20
11	500	160	14.6	700	430	45.4	30.710	0.6	013500676	1.085,80
11	500	180	16.4	720	440	45.7	32.530	0.6	013500677	1.135,40
11	500	200	18.2	740	460	45.4	34.430	0.6	013500678	1.186,70
11	500	225	20.5	770	470	45.4	36.900	0.6	013500679	1.269,30
11	500	250	22.7	790	490	45.4	39.470	0.6	013500680	1.345,15
11	500	280	25.4	820	510	45.4	42.720	0.6	013500681	1.429,10
11	500	315	28.6	860	520	45.4	46.670	0.6	013500682	1.572,95
17.6	90	50	2.9	250	150	5.1	0.363	0.5	013500340	151,40
17.6	110	50	2.9	260	160	6.3	0.529	0.5	013500341	154,05
17.6	110	63	3.6	270	170	6.3	0.574	0.5	013500342	160,30
17.6	125	50	2.9	270	170	7.1	0.669	0.5	013500344	156,50
17.6	125	63	3.6	290	180	7.1	0.723	0.5	013500345	163,15
17.6	125	75	4.3	300	190	7.1	0.767	0.5	013500346	179,45
17.6	140	63	3.6	300	190	8.0	0.895	0.5	013500348	166,30
17.6	140	75	4.3	310	200	8.0	0.943	0.5	013500349	187,90
17.6	140	90	5.1	320	220	8.0	1.010	0.5	013500584	200,30
17.6	160	63	3.6	310	200	9.1	1.150	0.5	013500350	171,20
17.6	160	75	4.3	320	210	9.1	1.200	0.5	013500351	192,90
17.6	160	90	5.1	340	230	9.1	1.290	0.5	013500586	205,95
17.6	160	110	6.3	360	230	9.1	1.410	0.5	013500587	225,00
17.6	180	75	4.3	340	220	10.2	1.500	0.5	013500352	199,40
17.6	180	90	5.1	360	240	10.2	1.600	0.5	013500588	212,85
17.6	180	110	6.3	380	240	10.2	1.740	0.5	013500589	232,05
17.6	200	75	4.3	360	230	11.4	1.850	0.5	013500354	207,60
17.6	200	90	5.1	370	250	11.4	1.960	0.5	013500590	220,20
17.6	200	110	6.3	390	250	11.4	2.120	0.5	013500591	239,65
17.6	200	140	8	420	270	11.4	3.040	0.5	013500355	279,05
17.6	225	75	4.3	380	240	12.8	2.320	0.5	013500357	219,05
17.6	225	90	5.1	390	260	12.8	2.460	0.5	013500592	232,05
17.6	225	110	6.3	410	270	12.8	2.660	0.5	013500593	252,00
17.6	250	90	5.1	420	270	14.2	3.000	0.5	013500594	246,65
17.6	250	110	6.3	440	280	14.2	3.230	0.5	013500595	267,20
17.6	250	140	8	470	300	14.2	4.600	0.5	013500361	307,65
17.6	280	90	5.1	440	290	15.9	3.740	0.5	013500596	266,60
17.6	280	110	6.3	460	290	15.9	4.020	0.5	013500597	287,85
17.6	280	140	8	490	310	15.9	5.560	0.5	013500364	329,25
17.6	280	160	9.1	510	320	15.9	5.840	0.5	013500365	352,85
17.6	280	180	10.2	530	330	15.9	6.390	0.5	013500366	376,50
17.6	280	200	11.4	550	350	15.9	6.500	0.5	013500367	411,30
17.6	315	110	6.3	490	310	17.9	5.320	0.5	013500598	317,60
17.6	315	140	8	520	330	17.9	7.230	0.5	013500369	360,55
17.6	315	160	9.1	540	340	17.9	7.330	0.5	013500113	364,75
17.6	315	180	10.2	560	350	17.9	7.670	0.5	013500370	394,15
17.6	315	200	11.4	580	360	17.9	8.010	0.5	013500371	424,90
17.6	315	225	12.8	600	300	17.9	8.860	0.5	013500372	458,65
17.6	355	110	6.3	530	330	20.1	6.380	0.5	013500600	360,10
17.6	355	140	8	560	350	20.1	8.810	0.5	013500374	404,85
17.6	355	160	9.1	580	360	20.1	9.220	0.5	013500375	420,45
17.6	355	180	10.2	600	370	20.1	9.620	0.5	013500376	451,00
17.6	355	200	11.4	620	380	20.1	10.000	0.5	013500377	477,95
17.6	355	225	12.8	640	400	20.1	10.500	0.5	013500378	512,45
17.6	355	250	14.2	670	420	20.0	11.100	0.5	013500379	557,55

PP Tees with reduced branch, welded (SDR 17.6/11)



1.2.2

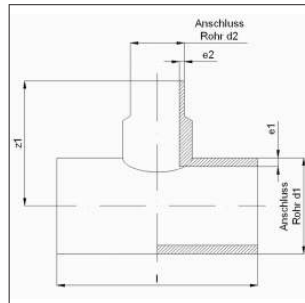
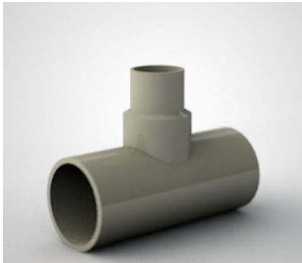
Art.code: PP—TSR—LS—GS—GR09300—

0324

SDR	d1	d2	e2	Length	z1	e	kg/piece	attenuation factor	Art. No.	€ / Stk
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
17.6	400	140	8	590	370	22.7	11.100	0.5	013500381	460,15
17.6	400	160	9.1	610	380	22.7	11.600	0.5	013500382	477,15
17.6	400	180	10.2	630	390	22.7	12.100	0.5	013500383	509,30
17.6	400	200	11.4	650	410	22.7	12.700	0.5	013500384	537,35
17.6	400	225	12.8	680	420	22.7	13.200	0.5	013500385	587,35
17.6	400	250	14.2	700	440	22.7	13.900	0.5	013500386	620,55
17.6	400	280	15.9	730	460	22.7	14.600	0.5	013500387	663,10
17.6	450	140	8	630	400	25.5	14.100	0.5	013500599	592,10
17.6	450	160	9.1	650	410	25.5	14.700	0.5	013500389	597,70
17.6	450	180	10.2	670	420	25.5	15.300	0.5	013500390	629,05
17.6	450	200	11.4	690	430	25.5	15.900	0.5	013500391	656,55
17.6	450	225	12.8	720	450	25.5	16.700	0.5	013500392	703,10
17.6	450	250	14.2	740	460	25.5	17.400	0.5	013500393	741,35
17.6	450	280	15.9	770	480	25.5	18.300	0.5	013500394	796,55
17.6	500	160	9.1	700	430	28.3	18.100	0.5	013500396	718,75
17.6	500	180	10.2	720	440	28.3	18.900	0.5	013500397	752,60
17.6	500	200	11.4	740	460	28.3	19.600	0.5	013500398	752,95
17.6	500	225	12.8	770	470	28.3	20.500	0.5	013500399	833,05
17.6	500	250	14.2	790	490	28.3	21.400	0.5	013500400	873,75
17.6	500	280	15.9	820	510	28.3	22.600	0.5	013500401	932,20
17.6	500	315	17.9	860	520	28.3	23.800	0.5	013500402	1.026,05
17.6	560	180	10.2	770	470	31.7	23.600	0.5	013500404	920,95
17.6	560	200	11.4	790	490	31.7	24.500	0.5	013500405	954,15
17.6	560	225	12.8	820	500	31.7	25.600	0.5	013500406	1.009,50
17.6	560	250	14.2	840	520	31.7	26.800	0.5	013500407	1.053,50
17.6	560	280	15.9	870	540	31.7	28.200	0.5	013500408	1.116,80
17.6	560	315	17.9	910	550	31.7	29.800	0.5	013500409	1.216,80
17.6	630	200	11.4	840	520	35.7	31.000	0.5	013500412	1.190,45
17.6	630	225	12.8	870	540	35.7	32.400	0.5	013500413	1.252,60
17.6	630	250	14.2	890	550	35.7	33.900	0.5	013500414	1.300,90
17.6	630	280	15.9	920	570	35.7	35.600	0.5	013500415	1.370,75
17.6	630	315	17.9	960	590	35.7	37.700	0.5	013500416	1.479,00

PP Tees with reduced branch, welded, reinforced (SDR 17.6/11)

SIMONA



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

fabricated from pipes, for butt welding and electrofusion welding, saddlemounted, reinforced

Dimensions

DIN EN ISO 15494/C

Remark

reinforced for full pressure load, no pressure reduction factor

1.2.2

Art.code: PPH—TSR-LS—GV—GR09300—

0324

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	z1 (mm)	kg/piece	Art. No.	€/ Stk
11	180	50	16.4	4.6	350	190	3.500	010013081	430,65
11	180	63	16.4	5.8	370	200	4.000	010013082	509,60
11	180	75	16.4	6.8	390	220	4.600	010013083	549,65
11	180	90	16.4	8.2	390	230	5.600	010013084	630,20
11	180	110	16.4	10	420	240	6.800	010013085	696,60
11	200	75	18.2	6.8	410	230	5.600	010013086	563,05
11	200	125	18.2	11.4	460	260	8.300	010013087	821,35
11	225	63	20.5	5.8	410	230	6.300	010013088	540,90
11	225	125	20.5	11.4	480	280	9.800	010013089	841,05
11	225	140	20.5	12.7	500	290	15.100	010013090	1.031,40
11	250	63	22.7	5.8	430	240	8.500	010013091	573,45
11	250	75	22.7	6.8	450	260	8.600	010013092	603,90
11	250	90	22.7	8.2	470	270	9.800	010013093	686,90
11	250	125	22.7	11.4	500	290	11.500	010013094	864,15
11	250	140	22.7	12.7	520	310	16.800	010013095	1.052,70
11	280	90	25.4	8.2	490	290	13.400	010013096	743,95
11	280	110	25.4	10	510	300	14.100	010013097	796,55
11	280	125	25.4	11.4	530	310	19.200	010013098	1.012,15
11	280	140	25.4	12.7	550	320	19.500	010013099	1.087,30
11	280	160	25.4	14.6	570	340	20.700	010013100	1.238,80
11	280	180	25.4	16.4	590	350	22.200	010013101	1.344,45
11	315	90	28.6	8.2	520	310	16.700	010013102	788,10
11	315	125	28.6	11.4	550	330	22.600	010013103	1.058,05
11	315	140	28.6	12.7	570	340	23.600	010013104	1.145,15
11	315	180	28.6	16.4	620	370	25.700	010013105	1.386,30
11	315	200	28.6	18.2	640	390	33.000	010013106	1.780,90
11	355	90	32.2	8.2	560	330	21.700	010013107	856,25
11	355	110	32.2	10	590	350	22.700	010013108	911,80
11	355	125	32.2	11.4	590	350	27.900	010013109	1.129,15
11	355	140	32.2	12.7	610	370	29.200	010013110	1.222,75
11	355	160	32.2	14.6	630	380	31.200	010013111	1.383,85
11	355	180	32.2	16.4	660	400	36.700	010013112	1.580,50
11	355	200	32.2	18.2	680	410	46.000	010013113	2.014,05
11	355	225	32.2	20.5	710	430	59.000	010013114	2.343,10
11	400	90	36.3	8.2	600	360	28.400	010013115	1.013,45
11	400	110	36.3	10	630	370	29.500	010013116	1.073,60
11	400	125	36.3	11.4	650	380	34.900	010013117	1.295,60
11	400	140	36.3	12.7	650	390	36.400	010013118	1.393,05
11	400	160	36.3	14.6	670	410	38.600	010013119	1.559,90
11	400	180	36.3	16.4	700	420	44.200	010013120	1.757,60
11	400	200	36.3	18.2	720	440	56.300	010013121	2.247,65
11	400	225	36.3	20.5	750	460	70.800	010013122	2.610,50
11	400	250	36.3	22.7	790	511	72.100	010013123	2.743,45
11	450	110	40.9	10	670	400	38.700	010013124	1.180,85
11	450	125	40.9	11.4	690	410	44.300	010013125	1.343,10
11	450	140	40.9	12.7	710	430	46.000	010013126	1.479,70
11	450	160	40.9	14.6	740	440	48.500	010013127	1.593,65

* on request

PP Tees with reduced branch, welded, reinforced (SDR 17.6/11)

SIMONA

1.2.2

Art.code: PPH—TSR-LS—GV—GR09300—

0324

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	z1 (mm)	kg/piece	Art. No.	€/ Stk
11	450	180	40.9	16.4	740	450	54.200	010013128	1.845,05
11	450	200	40.9	18.2	760	470	66.400	010013129	2.351,65
11	450	225	40.9	20.5	790	490	80.900	010013130	2.767,75
11	450	250	40.9	22.7	830	510	82.200	010013131	2.843,30
11	450	280	40.9	25.4	870	553	88.900	010013132	3.093,30
11	500	110	45.4	10	720	430	50.200	010013133	1.368,15
11	500	125	45.4	11.4	740	440	56.100	010013134	1.534,55
11	500	140	45.4	12.7	760	450	58.100	010013135	1.674,80
11	500	160	45.4	14.6	790	470	60.900	010013136	1.794,10
11	500	180	45.4	16.4	790	480	66.900	010013137	2.050,50
11	500	200	45.4	18.2	810	500	79.400	010013138	2.560,90
11	500	225	45.4	20.5	840	510	94.100	010013139	2.978,85
11	500	250	45.4	22.7	880	557	100.900	010013140	3.161,30
11	500	280	45.4	25.4	920	580	102.100	010013141	3.300,75
11	560	160	50.8	14.6	840	500	84.500	010013142	*
11	560	180	50.8	16.4	870	520	85.100	010013143	*
11	560	200	50.8	18.2	900	540	98.000	010013144	*
11	560	225	50.8	20.5	930	570	123.800	010013145	*
11	560	250	50.8	22.7	930	600	131.900	010013146	*
11	560	280	50.8	24.4	970	620	141.200	010013147	*
11	560	315	50.8	28.6	1020	650	162.400	010013148	*
11	630	160	57.2	14.6	890	540	101.300	010013149	*
11	630	180	57.2	16.4	920	560	105.300	010013150	*
11	630	200	57.2	18.2	950	580	122.600	010013151	*
11	630	225	57.2	20.5	980	600	137.600	010013152	*
11	630	250	57.2	22.7	1020	650	145.400	010013153	*
11	630	280	57.2	25.4	1020	660	154.700	010013154	*
11	630	315	57.2	28.6	1070	690	170.300	010013155	*
17.6	180	50	10.2	2.9	350	190	2.500	010013156	370,95
17.6	180	63	10.2	3.6	370	200	3.000	010013157	403,00
17.6	180	75	10.2	4.3	390	220	3.400	010013158	447,45
17.6	180	90	10.2	5.1	390	230	4.200	010013159	505,85
17.6	180	110	10.2	6.3	420	240	5.500	010013160	545,20
17.6	200	75	11.4	4.3	410	230	4.100	010013161	422,00
17.6	200	125	11.4	7.1	460	260	6.500	010013162	559,60
17.6	225	63	12.8	3.6	410	230	4.500	010013163	400,90
17.6	225	125	12.8	7.1	480	280	7.500	010013164	572,30
17.6	225	140	12.8	8	500	290	12.500	010013165	726,75
17.6	250	63	14.2	3.6	430	240	5.500	010013166	414,60
17.6	250	75	14.2	4.3	450	260	6.100	010013167	449,10
17.6	250	90	14.2	5.1	470	270	7.200	010013168	506,45
17.6	250	125	14.2	7.1	500	290	8.600	010013169	587,20
17.6	250	140	14.2	8	520	310	13.600	010013170	739,75
17.6	280	90	15.9	5.1	490	290	8.900	010013171	528,35
17.6	280	110	15.9	6.3	510	300	10.100	010013172	593,20
17.6	280	125	15.9	7.1	530	310	10.500	010013173	612,30
17.6	280	140	15.9	8	550	320	15.400	010013174	763,60
17.6	280	160	15.9	9.1	570	340	16.500	010013175	826,40
17.6	280	180	15.9	10.2	590	350	17.900	010013176	906,05
17.6	315	90	17.9	5.1	520	310	11.200	010013177	559,75
17.6	315	125	17.9	7.1	550	330	16.700	010013178	733,15
17.6	315	140	17.9	8	570	340	17.700	010013179	793,15
17.6	315	180	17.9	10.2	620	370	20.600	010013180	942,10
17.6	315	200	17.9	11.4	640	390	25.300	010013181	1.134,20
17.6	355	90	20.1	5.1	560	330	14.600	010013182	701,85
17.6	355	110	20.1	6.3	590	350	16.300	010013183	822,10
17.6	355	125	20.1	7.1	590	350	20.200	010013184	945,20
17.6	355	140	20.1	8	610	370	21.200	010013185	1.000,05
17.6	355	160	20.1	9.1	630	380	24.300	010013186	1.118,15
17.6	355	180	20.1	10.2	660	400	26.900	010013187	1.233,90
17.6	355	200	20.1	11.4	680	410	28.900	010013188	1.321,90
17.6	355	225	20.1	12.8	710	430	35.800	010013189	1.532,00
17.6	400	90	22.7	5.1	610	360	19.000	010013190	761,10
17.6	400	110	22.7	6.3	630	370	20.900	010013191	883,20
17.6	400	125	22.7	7.1	650	380	25.700	010013192	1.023,25
17.6	400	140	22.7	8	650	390	26.000	010013193	1.063,10

* on request

PP Tees with reduced branch, welded, reinforced (SDR 17.6/11)



Art.code: PPH—TSR-LS—GV—GR09300—

0324

1.2.2

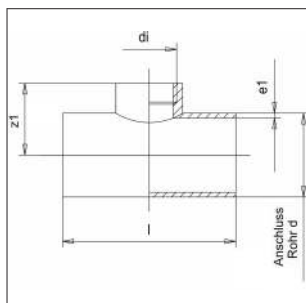
SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	z1 (mm)	kg/piece	Art. No.	€/ Stk
17.6	400	160	22.7	9.1	670	410	29.100	010013194	1.181,60
17.6	400	180	22.7	10.2	700	420	31.800	010013195	1.298,15
17.6	400	200	22.7	11.4	720	440	33.800	010013196	1.385,45
17.6	400	225	22.7	12.8	750	460	40.600	010013197	1.591,55
17.6	400	250	22.7	14.2	790	480	47.100	010013198	1.795,55
17.6	450	110	25.5	6.3	670	400	27.100	010013199	1.020,70
17.6	450	125	25.5	7.1	690	410	32.000	010013200	1.164,50
17.6	450	140	25.5	8	710	430	33.400	010013201	1.223,80
17.6	450	160	25.5	9.1	740	440	37.200	010013202	1.356,35
17.6	450	180	25.5	10.2	740	450	38.400	010013203	1.446,60
17.6	450	200	25.5	11.4	760	470	40.500	010013204	1.536,00
17.6	450	225	25.5	12.8	790	490	47.400	010013205	1.744,65
17.6	450	250	25.5	14.2	830	505	53.700	010013206	2.035,25
17.6	450	280	25.5	15.9	870	530	48.600	010013207	1.984,60
17.6	500	110	28.3	6.3	720	430	35.000	010013208	1.144,70
17.6	500	125	28.3	7.1	740	440	40.100	010013209	1.290,70
17.6	500	140	28.3	8	760	450	41.600	010013210	1.353,25
17.6	500	160	28.3	9.1	790	470	45.700	010013211	1.490,05
17.6	500	180	28.3	10.2	790	480	46.900	010013212	1.579,25
17.6	500	200	28.3	11.4	810	500	49.100	010013213	1.671,25
17.6	500	225	28.3	12.8	840	510	56.200	010013214	1.881,50
17.6	500	250	28.3	14.2	880	532	54.300	010013215	1.981,20
17.6	500	280	28.3	15.9	920	556	58.200	010013216	2.135,35
17.6	500	315	28.3	17.9	960	585	68.100	010013217	2.435,50
17.6	560	160	31.7	9.1	840	500	57.300	010013218	1.670,45
17.6	560	180	31.7	10.2	870	520	60.700	010013219	1.801,50
17.6	560	200	31.7	11.4	900	530	63.900	010013220	1.908,00
17.6	560	225	31.7	12.8	900	550	68.800	010013221	2.077,45
17.6	560	250	31.7	14.2	930	570	66.600	010013222	2.172,75
17.6	560	280	31.7	15.9	970	600	70.800	010013223	2.345,70
17.6	560	315	31.7	17.9	1020	620	81.100	010013224	2.652,95
17.6	630	160	35.7	9.1	890	540	73.200	010013225	1.919,70
17.6	630	180	35.7	10.2	920	560	77.100	010013226	2.056,90
17.6	630	200	35.7	11.4	950	580	80.600	010013227	2.169,00
17.6	630	225	35.7	12.8	980	600	88.700	010013228	2.398,65
17.6	630	250	35.7	14.2	980	610	83.400	010013229	2.432,45
17.6	630	280	35.7	15.9	1020	630	88.300	010013230	2.617,00
17.6	630	315	35.7	17.9	1070	660	98.800	010013231	2.923,10
17.6	710	160	40.2	9.1	930	580	93.600	010013232	2.273,45
17.6	710	180	40.2	10.2	960	600	98.000	010013233	2.407,60
17.6	710	200	40.2	11.4	990	620	102.100	010013234	2.551,40
17.6	710	225	40.2	12.8	1020	640	110.800	010013235	2.778,05
17.6	710	250	40.2	14.2	1060	670	119.500	010013236	3.074,40
17.6	710	280	40.2	15.9	1060	680	111.100	010013237	2.972,60
17.6	710	315	40.2	17.9	1110	710	122.500	010013238	3.293,80
17.6	800	160	45.3	9.5	980	630	121.400	010013239	2.710,95
17.6	800	180	45.3	10.2	1010	650	126.600	010013240	2.855,85
17.6	800	200	45.3	11.4	1040	670	131.400	010013241	3.011,20
17.6	800	225	45.3	12.8	1070	690	140.700	010013242	3.246,80
17.6	800	250	45.3	14.2	1110	715	150.300	010013243	3.555,25
17.6	800	280	45.3	16.6	1110	726	141.900	010013244	3.455,55
17.6	800	315	45.3	17.9	1160	755	154.300	010013245	3.791,35

* on request

PP Tees with reduced branch with internal thread

SIMONA

1.2.2



Material

PP-H

Colour

grey - RAL 7032

Execution

fabricated from pipe SDR 17.6, for butt and electrofusion welding, saddlemounted

Dimensions

DIN EN ISO 15494/C

Remark

welded tees without reinforcement: max. pressure load 6 bar

Product image for illustration purposes only.

Art.code: PP—TSR—LSIG-GS—GR09300—

0324

d	di	Length	z1	e	kg/piece	PN	attenuation factor	Art. No.	€ / Stk
(mm)	(mm)	(mm)	(mm)	(mm)		(bar)			
50	1/2 "	300	50	2.9	0.155	6	0.8	010300308	68,85
63	1/2 "	300	56	3.6	0.226	6	0.8	010300309	70,50
63	3/4 "	300	56	3.6	0.230	6	0.8	010300324	74,00
75	1 "	300	68	4.3	0.330	6	0.8	010300306	93,40
75	1/2 "	300	63	4.3	0.309	6	0.8	010300310	72,90
75	3/4 "	300	63	4.3	0.380	6	0.8	010300325	76,20
90	1 1/4 "	300	80	5.1	0.470	6	0.8	010300300	111,10
90	1 "	300	75	5.1	0.450	6	0.8	010300307	94,15
90	1/2 "	300	70	5.1	0.363	6	0.8	010300311	76,25
90	3/4 "	300	70	5.1	0.430	6	0.8	010300326	77,75
110	1 1/2 "	300	95	6.3	0.670	6	0.8	010300290	142,30
110	1 1/4 "	300	90	6.3	0.670	6	0.8	010300301	115,85
110	2 "	300	100	6.3	0.712	6	0.8	010300316	169,55
110	1/2 "	300	80	6.3	0.625	6	0.8	010300509	79,40
110	3/4 "	300	80	6.3	0.630	6	0.8	010300527	82,10
110	1 "	300	85	6.3	0.650	6	0.8	010300545	98,70
125	1 1/2 "	300	102	7.1	0.840	6	0.8	010300291	145,35
125	1 1/4 "	300	97	7.1	0.840	6	0.8	010300302	120,20
125	2 "	300	107	7.1	0.880	6	0.8	010300317	171,10
125	1/2 "	300	87	7.1	0.793	6	0.8	010300510	85,10
125	3/4 "	300	87	7.1	0.800	6	0.8	010300528	87,15
125	1 "	300	92	7.1	0.810	6	0.8	010300546	103,25
140	1 1/2 "	300	112	8.0	1.040	6	0.8	010300292	150,55
140	1 1/4 "	300	107	8.0	1.030	6	0.8	010300303	123,85
140	2 "	300	117	8.0	1.075	6	0.8	010300318	175,30
140	1/2 "	300	95	8.0	0.988	6	0.8	010300511	89,50
140	3/4 "	300	95	8.0	0.990	6	0.8	010300529	92,40
140	1 "	300	100	8.0	1.010	6	0.8	010300547	108,15
160	1 1/2 "	300	120	9.1	1.320	6	0.8	010300293	158,30
160	2 "	300	125	9.1	1.366	6	0.8	010300319	182,60
160	1/2 "	300	105	9.1	1.280	6	0.8	010300512	98,20
160	3/4 "	300	105	9.1	1.280	6	0.8	010300530	98,95
160	1 "	300	110	9.1	1.300	6	0.8	010300548	115,30
160	1 1/4 "	300	115	9.1	1.330	6	0.8	010300563	132,60
180	1 1/2 "	300	130	10.2	1.650	6	0.8	010300294	169,15
180	2 "	300	135	10.2	1.690	6	0.8	010300320	194,00
180	1/2 "	300	115	10.2	1.610	6	0.8	010300513	108,25
180	3/4 "	300	115	10.2	1.610	6	0.8	010300531	110,10
180	1 "	300	120	10.2	1.620	6	0.8	010300549	126,65
180	1 1/4 "	300	125	10.2	1.650	6	0.8	010300564	143,90
200	1 1/2 "	300	140	11.4	2.020	6	0.8	010300295	181,15
200	2 "	300	145	11.4	2.060	6	0.8	010300321	206,30
200	1/2 "	300	125	11.4	1.980	6	0.8	010300514	120,20
200	3/4 "	300	125	11.4	1.990	6	0.8	010300532	122,75
200	1 "	300	130	11.4	2.010	6	0.8	010300550	138,80
200	1 1/4 "	300	135	11.4	2.020	6	0.8	010300565	155,75
225	1 1/2 "	300	152	12.8	2.530	6	0.8	010300296	196,80

PP Tees with reduced branch with internal thread

SIMONA

Art.code: PP—TSR-LSIG-GS—GR09300—

0324

1.2.2

d	di	Length	z1	e	kg/piece	PN	attenuation factor	Art. No.	€/ Stk
(mm)	(mm)	(mm)	(mm)	(mm)		(bar)			
225	2 "	300	157	12.8	2.610	6	0.8	010300322	217,65
225	1/2 "	300	137	12.8	2.520	6	0.8	010300515	135,55
225	3/4 "	300	137	12.8	2.500	6	0.8	010300533	138,45
225	1 "	300	142	12.8	2.510	6	0.8	010300551	155,50
225	1 1/4 "	300	147	12.8	2.540	6	0.8	010300566	172,00
250	2 "	300	170	14.2	3.140	6	0.8	010300498	239,85
250	1/2 "	300	150	14.2	3.060	6	0.8	010300516	153,30
250	3/4 "	300	150	14.2	3.100	6	0.8	010300534	155,75
250	1 "	300	155	14.2	3.100	6	0.8	010300552	172,65
250	1 1/4 "	300	160	14.2	3.100	6	0.8	010300567	189,50
250	1 1/2 "	300	165	14.2	3.100	6	0.8	010300578	216,90
280	2 "	300	180	15.9	3.890	6	0.8	010300499	265,05
280	1/2 "	300	165	15.9	3.810	6	0.8	010300517	178,30
280	3/4 "	300	165	15.9	3.900	6	0.8	010300535	181,50
280	1 "	300	170	15.9	3.830	6	0.8	010300553	197,60
280	1 1/4 "	300	170	15.9	3.850	6	0.8	010300568	214,95
280	1 1/2 "	300	175	15.9	3.850	6	0.8	010300579	241,25
315	2 "	300	202	17.9	4.910	6	0.8	010300500	294,45
315	2 "	300	222	20.1	6.200	6	0.8	010300501	340,10
315	1/2 "	300	182	17.9	4.830	6	0.8	010300518	207,85
315	3/4 "	300	182	17.9	4.900	6	0.8	010300536	211,45
315	1 "	300	187	17.9	4.850	6	0.8	010300554	227,65
315	1 1/4 "	300	192	17.9	4.870	6	0.8	010300569	244,35
315	1 1/2 "	300	197	17.9	4.870	6	0.8	010300580	273,30
355	1/2 "	300	202	20.1	6.120	6	0.8	010300519	250,30
355	3/4 "	300	202	20.1	6.120	6	0.8	010300537	253,40
355	1 "	300	207	20.1	6.140	6	0.8	010300555	269,45
355	1 1/4 "	300	212	20.1	6.160	6	0.8	010300570	286,65
355	1 1/2 "	300	217	20.1	6.160	6	0.8	010300581	312,00
400	2 "	300	245	22.7	10.390	6	0.8	010300502	444,95
400	1/2 "	300	225	22.7	10.310	6	0.8	010300520	393,95
400	3/4 "	300	225	22.7	10.400	6	0.8	010300538	398,10
400	1 "	400	230	22.7	10.330	6	0.8	010300556	402,95
400	1 1/4 "	400	235	22.7	10.350	6	0.8	010300571	409,30
400	1 1/2 "	400	240	22.7	10.350	6	0.8	010300582	430,45
450	2 "	400	270	25.5	13.110	6	0.8	010300503	548,75
450	1/2 "	400	250	25.5	13.100	6	0.8	010300521	497,45
450	3/4 "	400	250	25.5	13.100	6	0.8	010300539	501,90
450	1 "	400	255	25.5	13.100	6	0.8	010300557	506,65
450	1 1/4 "	400	260	25.5	13.100	6	0.8	010300572	512,90
450	1 1/2 "	400	265	25.5	13.100	6	0.8	010300583	534,80
500	2 "	400	295	28.4	16.150	6	0.8	010300504	640,90
500	1/2 "	400	275	28.4	16.100	6	0.8	010300522	590,05
500	3/4 "	400	275	28.4	16.100	6	0.8	010300540	593,90
500	1 "	400	280	28.4	16.100	6	0.8	010300558	599,20
500	1 1/4 "	400	285	28.4	16.100	6	0.8	010300573	605,50
500	1 1/2 "	400	290	28.4	16.110	6	0.8	010300584	615,05
560	2 "	400	325	31.7	20.230	6	0.8	010300505	786,10
560	1/2 "	400	305	31.7	20.200	6	0.8	010300523	734,85
560	3/4 "	400	305	31.7	20.200	6	0.8	010300541	739,05
560	1 "	400	310	31.7	20.200	6	0.8	010300559	743,90
560	1 1/4 "	400	315	31.7	20.200	6	0.8	010300574	750,10
560	1 1/2 "	400	320	31.7	20.200	6	0.8	010300585	771,65
630	2 "	400	360	35.7	25.590	6	0.8	010300506	969,80
630	1/2 "	400	340	35.7	25.510	6	0.8	010300524	919,25
630	3/4 "	400	340	35.7	25.600	6	0.8	010300542	923,35
630	1 "	400	345	35.7	25.600	6	0.8	010300560	928,25
630	1 1/4 "	400	350	35.7	25.600	6	0.8	010300575	934,10
630	1 1/2 "	400	355	35.7	25.600	6	0.8	010300586	956,20
710	2 "	400	400	40.2	40.510	6	0.8	010300507	1.727,80
710	1/2 "	400	380	40.2	40.430	6	0.8	010300525	1.676,80
710	3/4 "	400	380	40.2	40.500	6	0.8	010300543	1.680,85
710	1 "	500	385	40.2	40.450	6	0.8	010300561	1.685,95
710	1 1/4 "	500	390	40.2	40.470	6	0.8	010300576	1.691,95
710	1 1/2 "	500	395	40.2	40.500	6	0.8	010300587	1.713,45
800	2 "	500	445	45.3	51.610	6	0.8	010300508	2.299,15

PP Tees with reduced branch with internal thread

SIMONA

1.2.2

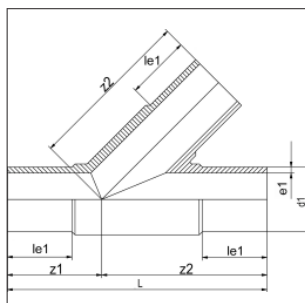
Art.code: PP—TSR—LSIG—GS—GR09300—

0324

d	di	Length	z1	e	kg/piece	PN	attenuation factor	Art. No.	€ / Stk
(mm)	(mm)	(mm)	(mm)	(mm)		(bar)			
800	1/2 "	500	425	45.3	51.530	6	0.8	010300526	2.247,70
800	3/4 "	500	425	45.3	51.600	6	0.8	010300544	2.251,75
800	1 "	500	430	45.3	51.600	6	0.8	010300562	2.256,85
800	1 1/4 "	500	435	45.3	51.600	6	0.8	010300577	2.263,00
800	1 1/2 "	500	440	45.3	51.600	6	0.8	010300588	2.284,60

PP Branches 45°, injected (SDR 33/17.6/11)

SIMONA



Material

PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

1.2.2

Product image for illustration purposes only.

Art.code: PP—AS-45-LS-FG—GR09300—

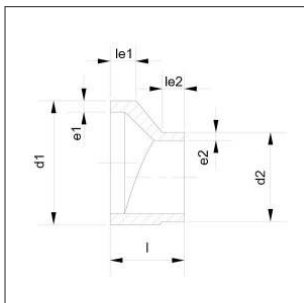
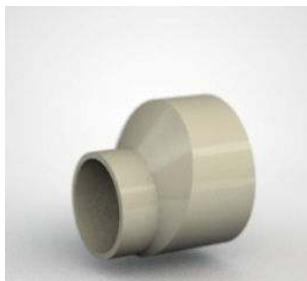
0321

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	z2 (mm)	Length (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
11	63	5.8	69	93	170	262	0.425	10	013700654	223,10
11	75	6.8	70	109	190	299	0.735	10	013700655	336,70
11	90	8.2	79	122	230	351	1.280	10	013700656	520,85
11	110	10.0	82	131	250.5	385	1.965	10	013700657	739,40
17.6	63	3.6	63	92	158	250	0.390	6	013700658	200,90
17.6	75	4.3	70	109	190	299	0.645	6	013700659	303,30
17.6	90	5.1	79	135	234	369	0.980	6	013700660	468,75
17.6	110	6.3	88	137	260	397	1.900	6	013700661	665,50
33	110	3.4	88	137	260	397	1.000	3.2	013700662	599,15

PP Reducers eccentric (SDR 11)

SIMONA

1.2.2



Material

PP-R

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

other dimensions on request

Product image for illustration purposes only.

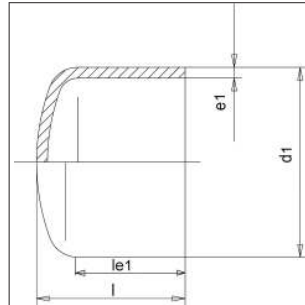
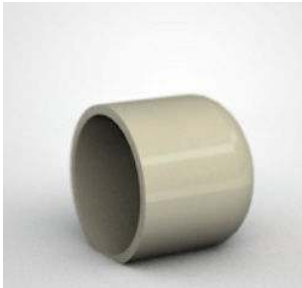
Art.code: PP—RE—LS—FG—GR09300—

0321

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	Length (mm)	le1 (mm)	le2 (mm)	kg/piece	Art. No.	€ / Stk
11	25	20	2.3	1.9	103	51	38	0.020	015000289	9,40
11	32	25	2.9	2.3	114	56	40	0.020	015000290	11,00
11	40	25	3.7	2.3	126	60	40	0.046	015000291	15,00
11	40	32	3.7	2.9	125	59	44	0.050	015000292	15,00
11	50	32	4.6	2.9	156	71	45	0.080	015000293	18,20
11	50	40	4.6	3.7	157	71	49	0.090	015000294	18,20
11	63	32	5.8	2.9	177	75	45	0.140	015000295	24,05
11	63	40	5.8	3.7	177	76	49	0.140	015000179	24,05
11	63	50	5.8	4.6	177	76	56	0.160	015000180	24,05
11	75	50	6.8	4.6	197	84	57	0.225	015000296	37,10
11	75	63	6.8	5.8	197	83	63	0.240	015000181	37,10
11	90	63	8.2	5.8	220	92	64	0.360	015000182	50,90
11	90	75	8.2	6.8	223	97	70	0.380	015000183	50,90
11	110	63	10.0	5.8	247	99	63	0.560	015000185	68,20
11	110	90	10.0	8.2	244	98	79	0.640	015000186	68,20
11	125	63	11.4	5.8	268	105	63	0.780	015000297	81,20
11	125	90	11.4	8.2	265	106.5	79	0.880	015000187	81,20
11	125	110	11.4	10	265	103	87	0.940	015000188	81,20
11	140	125	12.7	11.4	287	113.5	94	1.270	015000189	116,25
11	160	90	14.6	8.2	309	117.5	79	1.420	015000298	155,75
11	160	110	14.6	10	309	115.5	87	1.600	015000190	155,75
11	160	125	14.6	11.4	309	116.5	91	1.680	015000299	155,75
11	160	140	14.6	12.7	308	116.5	98	1.820	015000191	155,75
11	180	90	16.4	8.2	348	128.5	79	2.160	015000300	201,95
11	180	125	16.4	11.4	353	135.5	93	2.340	015000301	201,95
11	180	160	16.4	14.6	353	135.5	104	2.640	015000302	201,95
11	200	160	18.2	14.6	373	138.5	104	3.240	015000303	345,25
11	200	180	18.2	16.4	373	143.5	111	3.700	015000304	345,25
11	225	160	20.5	14.6	405	154.5	102.5	4.260	015000192	345,25
11	225	180	20.5	16.4	403	154.5	111	4.380	015000305	345,25
11	225	200	20.5	18.2	403	155.5	126	4.930	015000306	345,25
11	250	225	22.7	20.5	442	182	125	6.500	015000193	452,55

PP End caps (SDR 17.6/11)

SIMONA



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

Based on DIN EN ISO 15494/C

Remark

Executions > d 225 mm on page 44

1.2.2

Art.code: PPH—KA—LS—FG—GR09300—

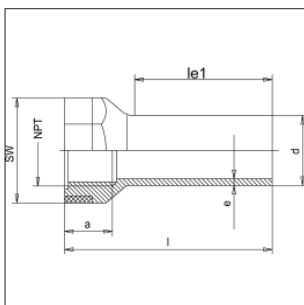
0321

SDR	d (mm)	e (mm)	le1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.	€/ Stk
11	20	1.9	42	10	49	0.005	019600135	9,60
11	25	2.3	42	10	52	0.006	019600113	10,45
11	32	2.9	47	10	57	0.016	013900093	13,35
11	40	3.7	51	10	64	0.023	019600034	15,90
11	50	4.6	59	10	70	0.048	019600030	20,25
11	63	5.8	66	10	83	0.087	019600037	27,20
11	75	6.8	73	10	94	0.138	019600031	49,90
11	90	8.2	85	10	110	0.222	019600039	61,00
11	110	10.0	93	10	120	0.375	019600032	77,50
11	125	11.4	94	10	130	0.520	019600041	88,80
11	140	12.7	99	10	142	0.695	019600043	111,80
11	160	14.6	109	10	162	1.040	019600051	116,85
11	180	16.4	113	10	170	1.375	019600045	160,70
11	200	18.2	117	10	179	1.860	019600026	200,55
11	225	20.5	131	10	202	2.625	019600048	238,90
17.6	63	3.6	66	6	83	0.061	019600036	26,85
17.6	75	4.3	73	6	94	0.095	013900094	50,35
17.6	90	5.1	85	6	109	0.160	019600038	60,75
17.6	110	6.3	94	6	121	0.260	019600040	77,40
17.6	125	7.1	92	6	127	0.360	019600025	88,60
17.6	140	8.0	97	6	136	0.485	019600042	110,75
17.6	160	9.1	109	6	161	0.735	019600050	116,70
17.6	180	10.2	114	6	166	0.990	019600044	160,70
17.6	200	11.4	117	6	179	1.310	019600046	200,05
17.6	225	12.8	129	6	203	1.790	019600047	238,90

PP Adaptors with threaded female end (SDR 11)

SIMONA

1.2.2



Product image for illustration purposes only.

Material

PP-H

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

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

Art.code: PPH—AD—LSIG-FG-RP-GR09300—

0321

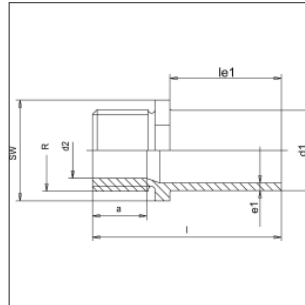
SDR	d (mm)	e (mm)	Length (mm)	le1 (mm)	a (mm)	RP (")	SW (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
11	20	1.9	65	39	16	1/2	30	0.012	8	018800001	17,70
11	20	1.9	65	41	16		30	0.012	8	018800007	17,70
11	25	2.3	67	41	18	3/4	36	0.017	8	018800002	20,00
11	25	2.3	67	41	18		36	0.017	8	018800008	20,00
11	32	2.9	71	44	21	1	46	0.031	8	018800003	25,95
11	32	2.9	71	44	21		46	0.032	8	018800009	25,95
11	40	3.7	79	49	23	1 1/4	55	0.047	8	018800004	29,40
11	40	3.7	79	49	23		55	0.048	8	018800010	29,40
11	50	4.6	89	55	24	1 1/2	60	0.066	8	018800005	45,60
11	50	4.6	89	55	24		60	0.067	8	018800011	45,60
11	63	5.8	100	63	29	2	75	0.122	8	018800006	52,15
11	63	5.8	100	63	29		75	0.122	8	018800012	52,15

PP Adaptors with threaded male end (SDR 11)

SIMONA



Product image for illustration purposes only.



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, with elongated spigot, for butt welding, IR- and electrofusion welding

Dimensions

DIN EN ISO 15494/C

Remark

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

Art.code: PPH—AD—LSAG-FG-R—GR09300—

0321

SDR	d (mm)	e (mm)	le1 (mm)	R (")	PN (bar)	a (mm)	SW (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	20	1.9	38	1/2	8	14	24	58	0.009	018900001	13,85
11	20	1.9	41		8	14	24	58	0.008	018900007	13,85
11	25	2.3	41	3/4	8	14	27	61	0.012	018900002	16,75
11	25	2.3	41		8	14	27	61	0.015	018900008	16,75
11	32	2.9	44	1	8	18	36	69	0.021	018900003	21,20
11	32	2.9	44		8	18	36	69	0.021	018900009	21,20
11	40	3.7	49	1 1/4	8	19	46	75	0.037	018900004	23,60
11	40	3.7	49		8	19	46	75	0.041	018900010	23,60
11	50	4.6	55	1 1/2	8	20	55	82	0.058	018900005	40,10
11	50	4.6	55		8	20	55	82	0.059	018900011	40,10
11	63	5.8	63	2	8	21	65	91	0.095	018900006	47,35
11	63	5.8	63		8	21	65	91	0.096	018900012	47,35

■ 1 PP

1.2 PP Fittings

1.2.3

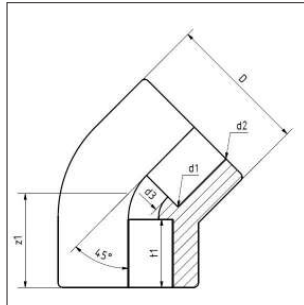
1.2.3 PP Fittings for socket welding

PP Elbows 45°, injected, for socket welding	76
PP Elbows 90°, injected, for socket welding	77
PP Stub flanges for socket welding for loose flange ISO/DIN	78
PP Stub flanges for socket welding for loose flange ANSI	79
PP Tees, injected, for socket welding	80
PP Sockets	81
PP Reducers concentric	82
PP End caps for socket welding	83
PP Unions with conical thread R	84
PP-H Union bush, injected, for socket welding	85
PP-H Union insert, injected, for socket welding	86
PP Union nut, injected, for socket welding	87
PP Adaptors with threaded female end Rp	88
PP Adaptors with threaded male end R	89

PP Elbows 45°, injected, for socket welding

SIMONA

1.2.3



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

Product image for illustration purposes only.

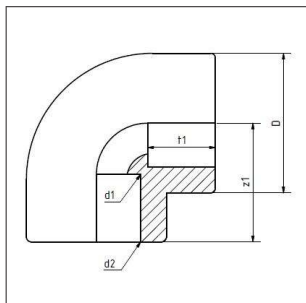
Art.code: PPH—WI-45-MS-FG—GR09300—

0322

d (mm)	d1 (mm)	d2 (mm)	D (mm)	t1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.	€/ Stk
20	19.3	19.5	28	16	21	12.5	45	0.018	010200092	9,10
25	24.3	24.5	34	17.5	23	12.5	45	0.025	010200093	10,15
32	31.3	31.5	42	19	27	12.5	45	0.036	010200094	11,20
40	39.2	39.45	52	20.5	32	12.5	45	0.071	010200095	13,60
50	49.2	49.45	65	23.5	37	12.5	45	0.103	010200096	17,50
63	62.1	62.5	78.5	27.5	43	12.5	45	0.148	010200097	23,45
75	73.95	74.25	92	31	50	12.5	45	0.200	010200098	49,20
90	88.85	89.2	110	35.5	60	12.5	45	0.335	010200099	73,10
110	108.65	109.05	135	41.5	68	12.5	45	0.610	010200100	123,55

PP Elbows 90°, injected, for socket welding

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

1.2.3

Product image for illustration purposes only.

Art.code: PPH—WI-90-MS-FG—GR09300—

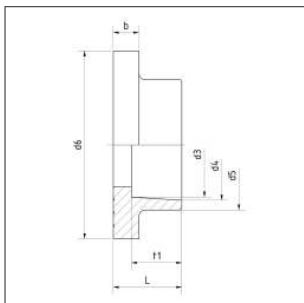
0322

d (mm)	d1 (mm)	d2 (mm)	D (mm)	t1 (mm)	z1 (mm)	PN (bar)	Angle (°)	kg/piece	Art. No.	€/ Stk
20	19.3	19.5	28	16.5	28	12.5	90	0.020	010200083	6,60
25	24.3	24.5	34	18	34	12.5	90	0.028	010200084	7,35
32	31.3	31.5	42	20	37.5	12.5	90	0.046	010200085	9,10
40	39.2	39.45	52	20.5	45	12.5	90	0.082	010200086	10,15
50	49.2	49.45	64	23.5	57	12.5	90	0.126	010200087	20,35
63	62.1	62.5	78.5	27.5	60	12.5	90	0.178	010200088	26,00
75	73.95	74.25	92	31	78.5	12.5	90	0.270	010200089	63,70
90	88.85	89.2	112.5	35.5	86.5	12.5	90	0.480	010200090	78,35
110	108.65	109.05	134.5	41.5	108	12.5	90	0.855	010200091	117,15

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

SIMONA

1.2.3



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, for socket welding, serrated flange face

Dimensions

DIN EN ISO 15494/C

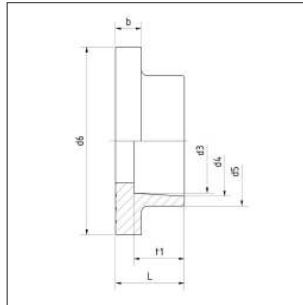
Art.code: PPH—BU—MSFD-FG—DN-GR09300—

0322

d (mm)	b (mm)	d3 (mm)	d4 (mm)	d5 (mm)	d6 (mm)	PN (bar)	t1 (mm)	Length (mm)	Material	kg/piece	Art. No.	€ / Stk
20	10	19.3	19.5	27	45	12.5	14.5	20.1	PP-H	0.016	015600043	5,65
25	10	24.3	24.5	33	58	12.5	16	24.5	PP-H	0.028	015600044	5,90
32	10	31.3	31.5	41	68	12.5	18.1	21.2	PP-H	0.036	015600024	6,25
40	11	39.2	39.4	50	78	12.5	20.5	27.3	PP-H	0.050	015600045	7,60
50	12	49.2	49.4	61	88	12.5	23.5	31	PP-H	0.064	015600046	8,60
63	14	62.1	62.4	76	102	12.5	27.4	35.4	PP-H	0.098	015600025	11,45
75	10	73.95	74.25	90	106	12.5	31	35.2	PP-R	0.091	015600017	24,10
90	11	88.85	89.2	109	125	12.5	35.5	43.8	PP-R	0.162	015600018	37,05
110	12	108.65	109.05	131	150	12.5	41.5	52.3	PP-R	0.255	015600019	55,15

PP Stub flanges for socket welding for loose flange ANSI

SIMONA



Material

PP-H AlphaPlus / PP-R

Colour

grey - RAL 7032

Execution

injected, for socket welding, serrated flange face

Dimensions

DIN EN ISO 15494/C

1.2.3

Art.code: PP—BU—MSFD-FG—AN-GR09300—

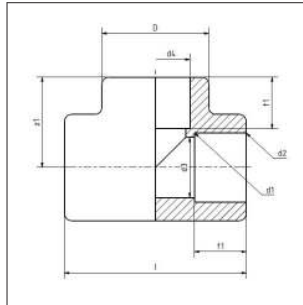
0322

d (mm)	DN (mm)	d3 (mm)	d4 (mm)	d5 (mm)	d6 (mm)	d in Zoll	b (mm)	PN (bar)	t1 (mm)	Material	kg/piece	Art. No.	€ / Stk
20	13	19.3	19.5	26	44	1	10	12.5	14.5	PP-H	0.014	015600102	6,85
25	20	24.3	24.5	32	54	3	10	12.5	16	PP-H	0.023	015600103	6,55
32	25	31.3	31.3	39	63	1	10	12.5	18.1	PP-H	0.029	015600060	7,50
40	31	39.2	39.4	48	73	1	11	12.5	20.5	PP-H	0.042	015600101	9,15
50	39	49.4	49.4	60	82.5	2	12	12.5	23.5	PP-H	0.059	015600104	10,45
63	49	62.1	62.4	72	101	2	14	12.5	27.5	PP-H	0.092	015600105	13,85
75	65	73.95	74.25	85	106	2	10	12.5	31	PP-R	0.080	015600052	28,95
90	80	88.85	89.2	106	125	3	11	12.5	35.5	PP-R	0.152	015600053	44,20
110	100	108.65	109.05	124	150	4	12	12.5	41.5	PP-R	0.215	015600023	66,05

PP Tees, injected, for socket welding

SIMONA

1.2.3



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

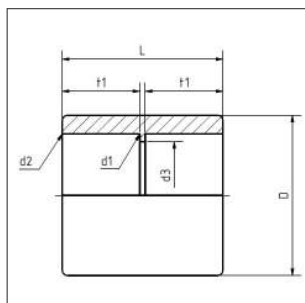
DIN EN ISO 15494/C

Product image for illustration purposes only.

Art.code: PPH—TS—MS—FG—GR09300—

0322

d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	D (mm)	z1 (mm)	Length (mm)	t1 (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
20	19.3	19.5	17	20	30	28.5	51	14.5	0.029	12.5	020500015	7,35
25	24.3	24.5	22	25	32	32	59	16	0.041	12.5	020500016	8,25
32	31.3	31.5	29	32	43.1	40	75	18	0.061	12.5	020500017	9,45
40	39.2	39.45	37.2	40	49	45	83	20.5	0.108	12.5	020500018	11,20
50	49.2	49.45	47	50	60.2	53.5	99	23.5	0.160	12.5	020500019	20,00
63	62.1	62.5	60	63	70	63.4	120	27.5	0.295	12.5	020500020	27,25
75	73.95	74.25	72	75		69.5	139	31	0.355	12.5	020500021	67,40
90	88.85	89.2	86.8	90		81.5	163	35.5	0.630	12.5	020500022	104,45
110	108.65	109.05	106.6	110		97.5	195	41.5	1.030	12.5	020500023	139,75



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

1.2.3

Art.code: PPH—MU—MS—FG—GR09300—

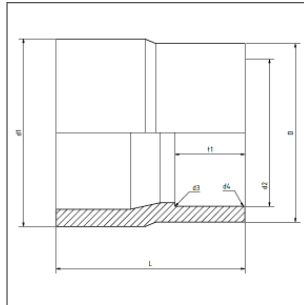
0322

d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	D (mm)	t1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	17.3	28	14.5	12.5	35	0.013	014200018	5,45
25	24.3	24.5	22.3	35	16	12.5	39	0.020	014200019	5,90
32	31.3	31.5	29.3	42	18	12.5	43	0.027	014200020	7,05
40	39.2	39.45	37.2	52	21	12.5	48	0.045	014200021	8,05
50	49.2	49.45	47.2	64	24	12.5	54	0.076	014200022	14,90
63	62.1	62.5	60.1	79	27.5	12.5	60	0.126	014200023	22,10
75	73.95	74.25	72	90	31	12.5	66	0.166	014200024	30,40
90	88.85	89.2	86.8	110	35.5	12.5	76	0.287	014200025	43,05
110	108.65	109.05	106.6	130	41.5	12.5	88	0.410	014200026	73,70

PP Reducers concentric

SIMONA

1.2.3



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

Product image for illustration purposes only.

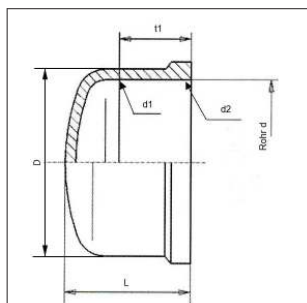
Art.code: PPH—RZ—MS—FG—GR09300—

0322

d1 (mm)	d2 (mm)	t1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.	€/ Stk
25	20	14.5	12.5	31	0.010	014900394	7,10
32	20	14	12.5	43	0.017	014900991	7,70
32	25	16	12.5	38	0.017	014900395	8,45
40	20	14	12.5	48	0.022	014900992	10,35
40	25	16	12.5	43	0.024	014900396	10,35
40	32	18.1	12.5	44	0.030	014900397	10,35
50	20	14	12.5	54	0.036	014900993	11,80
50	25	16	12.5	54	0.035	014900994	12,70
50	32	18.1	12.5	54	0.035	014900398	12,70
50	40	20.5	12.5	52.5	0.051	014900399	12,70
63	25	18	12.5	64	0.060	014900995	14,40
63	32	18.1	12.5	63.5	0.057	014900400	15,55
63	40	20	12.5	64	0.070	014900996	14,40
63	50	23.5	12.5	63.5	0.086	014900401	15,55
75	63	27	12.5	56.5	0.106	014900402	26,60
90	63	27.4	12.5	88.5	0.171	014900403	36,55
90	75	30	12.5	63.5	0.150	014900404	36,55
110	90	33	12.5	75	0.260	014900405	49,80

PP End caps for socket welding

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

1.2.3

Product image for illustration purposes only.

Art.code: PPH—KA—MS—FG—GR09300—

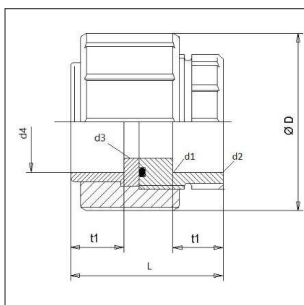
0322

d (mm)	d1 (mm)	d2 (mm)	D (mm)	t1 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	30	14.5	22.5	0.010	020600006	6,15
25	24.3	24.5	36	16	27	0.015	020600007	6,70
32	31.3	31.5	44	18.1	31	0.024	020600008	7,30
40	39.2	39.45	53.5	20.5	36	0.037	020600026	9,10
50	49.2	49.45	65	23.5	43	0.061	020600009	12,05
63	62.1	62.5	80	27.5	52	0.086	020600010	16,15
75	73.95	74.25	95	31	59	0.136	020600027	32,90
90	88.85	89.2	110	35.5	69	0.235	020600011	46,30
110	108.65	109.05	130	41.5	82	0.405	020600012	62,85

PP Unions with conical thread R (SDR 11)

SIMONA

1.2.3



Material

PP-H AlphaPlus EPDM (seal)

Colour

grey - RAL 7032

Execution

injected, for socket welding, union and union bush with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

FPM seal on request, max. admissible operating overpressure for water at + 20 °C up to 12 bar

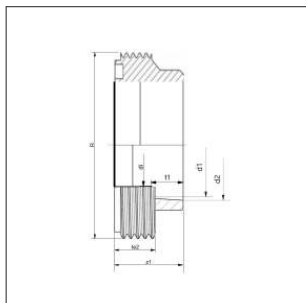
Art.code: PPH—VE—MSEPDFG—GR09300—

0322

d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	D (mm)	t1 (mm)	Length (mm)	R (")	PN (bar)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	13	20	45	14.5	47.5	1	12	0.048	010700066	37,75
25	24.3	24.5	18	25	55	16	49.5	1 1/4	12	0.071	010700067	42,95
32	31.3	31.5	25	32	62.5	18.1	53	1 1/2	12	0.091	010700068	51,15
40	39.2	39.4	31	40	76	20.5	59	2	12	0.151	010700069	70,55
50	49.2	49.4	39	50	86.5	23.5	67	2 1/4	12	0.200	010700070	107,90
63	62.1	62.4	49	63	107	27.4	80	2 3/4	12	0.350	010700071	132,95

PP-H Union bush, injected, for socket welding (SDR 11)

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for butt-welding, union bush with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

Individual part of union, see page 90. Cannot be combined with products of other manufacturers.

1.2.3

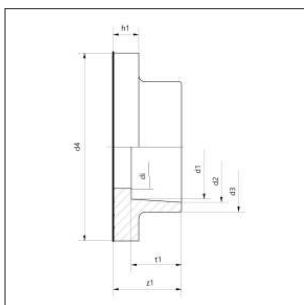
Art.code: PPH—EST-MS-FG—GR09300—

0321

SDR	d (mm)	d1 (mm)	d2 (mm)	t1 (mm)	z1 (mm)	le2 (mm)	di (mm)	R (")	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	19	19.2	14.5	28	15	13	1	12	0.011	023300025	11,35
11	25	23.9	24.2	16	28.2	13.5	18	1 1/4	12	0.016	023300026	12,90
11	32	30.9	31.1	18	30	15.5	25	1 1/2	12	0.020	023300027	15,35
11	40	38.8	39	20.5	34.2	17.5	31	2	12	0.036	023300028	21,20
11	50	48.7	48.9	23.5	39	18	39	2 1/4	12	0.043	023300029	32,35
11	63	61.6	61.9	27.5	47	21	49	2 3/4	12	0.082	023300030	39,90

PP-H Union insert, injected, for socket welding (SDR 11) **SIMONA**

1.2.3



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for butt-welding

Dimensions

DIN EN ISO 15494/C

Remark

Individual part of union, see page 90. Cannot be combined with products of other manufacturers.

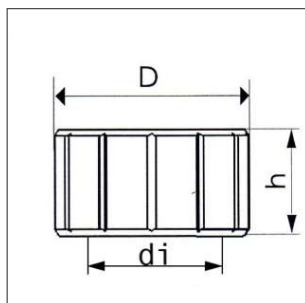
Art.code: PPH—ET—MS—FG—GR09300—

0321

SDR	d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	di (mm)	z1 (mm)	h1 (mm)	t1 (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	19	19.2	26.7	30.1	13	19	5	14.5	12	0.006	023400025	11,35
11	25	23.9	24.2	35.1	38.8	18	21	5	16	12	0.011	023400026	12,90
11	32	30.9	31.1	41	44.7	25	23	5.5	18	12	0.014	023400027	15,35
11	40	38.8	39	52	56.5	31	25	6.5	20.5	12	0.024	023400028	21,20
11	50	48.7	48.9	58.5	62.6	39	28	7	23.5	12	0.025	023400029	32,35
11	63	61.6	61.9	72.7	78.4	49	32.7	7.5	27.5	12	0.045	023400030	39,90

PP Union nut, injected, for socket welding (SDR 11)

SIMONA



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, union with conical thread R (acc. to DIN EN 10226/1)

Dimensions

DIN EN ISO 15494/C

Remark

Individual part of union, see page 90. Cannot be combined with products of other manufacturers.

1.2.3

Art.code: PP—UWM—MS—FG—GR09300—

0321

SDR	d (mm)	D (mm)	h1 (mm)	di (mm)	R (")	PN (bar)	kg/piece	Art. No.	€ / Stk
11	20	45	22.5	27,6	1	12	0.029	023500025	15,05
11	25	55	24.5	36,1	1 1/4	12	0.042	023500026	17,20
11	32	62.5	26.5	41,6	1 1/2	12	0.057	023500027	20,50
11	40	76	30.5	53,1	2	12	0.087	023500028	28,25
11	50	86.5	33.5	59,1	2 1/4	12	0.132	023500029	43,15
11	63	107	37.5	74,1	2 3/4	12	0.225	023500030	53,20

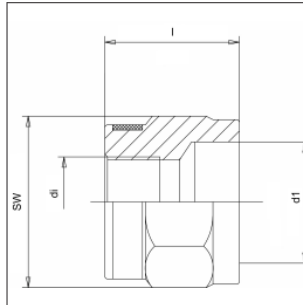
PP Adaptors with threaded female end Rp (SDR 11)

SIMONA

1.2.3



Product image for illustration purposes only.



Material

PP-H

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

Remark

with cylindric threaded female end Rp (acc. to DIN EN 10226/1), max. admissible 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 78) and PP Sockets (see page 87)

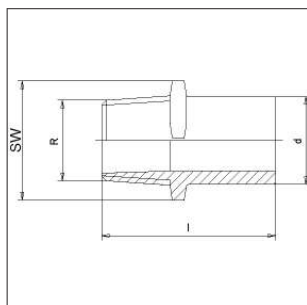
Art.code: PPH—GM—MSIG-FG—GR09300—

0322

d (mm)	di (")	PN (bar)	SW (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
20	1/2	10	32	40	0.018	014000026	17,40
25	3/4	10	36	42	0.025	014000027	20,05
32	1	10	46	48	0.034	014000028	25,70
40	1 1/4	10	55	53	0.064	014000037	27,50
50	1 1/2	10	65	54	0.100	014000036	45,20
63	2	10	80	62	0.145	014000041	51,65

PP Adaptors with threaded male end R (SDR 11)

SIMONA



Product image for illustration purposes only.

Material

PP-R

Colour

grey - RAL 7032

Execution

injected, for socket welding

Dimensions

DIN EN ISO 15494/C

Remark

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 79) and PP Sockets (see page 87)

1.2.3

Art.code: PP—AD—MSAG-FG—GR09300—

0322

d (mm)	R (")	PN (bar)	SW (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
20	1/2	10	24	42	0.012	010700030	13,75
25	3/4	10	36	46	0.017	010700035	16,75
32	1	10	46	52	0.022	010700032	20,95
40	1 1/4	10	55	56	0.041	010700058	24,40
50	1 1/2	10	55	60	0.064	010700027	40,00
63	2	10	80	69	0.100	010700059	47,10

■ 1 PP

1.2 PP Fittings

1.2.4

1.2.4 PP Electrofusion fittings

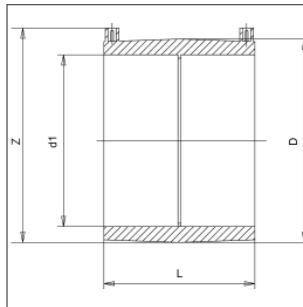
PP Electrofusion sockets - pressure PN 12,5

92

PP Electrofusion sockets - pressure PN 12,5

SIMONA

1.2.4



Material

PP-R

Colour

grey

Execution

injected, suitable up to 63 mm for pipes SDR 11;
> 75 mm suitable for pipes SDR 17 up to SDR 11

Remark

connection contact: 4.0 mm

Product image for illustration purposes only.

Art.code: PP—MU—EMDR-FG—GR09300—

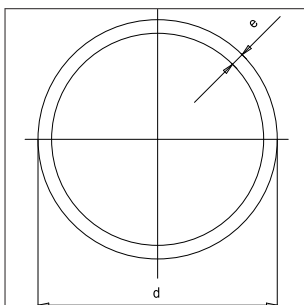
0326

d (mm)	Z (mm)	D (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
25	56	36	77	0.055	014300073	25,10
32	65	45	79	0.080	014300074	26,25
40	74	54	92	0.095	014300075	28,30
50	85	65	102	0.133	014300076	43,45
63	102	82	117	0.240	014300077	45,80
75	116	96	128	0.330	014300078	64,45
90	134	114	144	0.480	014300066	85,90
110	160	140	159	0.800	014300079	104,50
125	177	157	170	1.120	014300121	144,15
140	195	175	183	1.340	014300082	166,60
160	218	198	185	1.740	014300080	192,20
180	245	225	210	2.400	014300122	285,00
200	270	250	220	3.050	014300123	330,05
225	300	280	230	3.800	014300124	403,60
250	335	315	250	7.100	010019057	999,20
280	375	355	270	8.600	010019058	1.361,25
315	420	400	290	12.300	010024655	1.687,15

■	2	PPs	
	2.1	PPs Pipes for ventilation pipes	
		PPs Pipes	96
		PP-EL-s Pipes	97
	2.2	PPs fittings for ventilation pipes	
		PPs Bends with sockets	100
		PPs Flange adaptors with sockets	101
		PPs Tees with sockets	102
		PPs Sockets	103
		PPs Reducers concentric with sockets	104
		PPs End caps with sockets	105
		PPs Volume control dampers with sockets, with adjustment in increments	106
		PPs Volume control dampers with sockets, infinitesimal adjustment	107
		PPs Exhaust Air Diffuser with sockets, type REDIFF	108
		PPs Spherical-sleeves for clip band connection	109
		PPs Spherical-sleeves with flanges	110

■	2	PPs		
	2.1	PPs Pipes for ventilation pipes		2.1
		PPs Pipes		96
		PP-EL-s Pipes		97

2.1

**Material**

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Dimensions

Standard length 5 m, special lengths on request

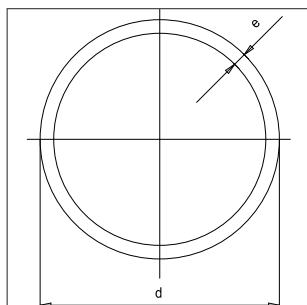
Art.code: PPS—RO—EX—GR09300—

0401

d (mm)	Length/m (m)	e (mm)	Weight (kg/m)	Art. No.	€/m
32	5	3.0	0.28	010000823	5,10
40	5	3.0	0.36	010000824	5,50
50	5	3.0	0.45	010000825	6,20
63	5	3.0	0.58	010000826	8,10
75	5	3.0	0.7	010000827	8,60
90	5	3.0	0.84	010000828	10,30
110	5	3.0	1.04	010000830	12,55
125	5	3.0	1.18	010000831	14,40
140	5	3.0	1.33	010000832	16,15
160	5	3.0	1.52	010000833	17,85
180	5	3.0	1.71	010000834	21,55
200	5	3.0	1.91	010000835	22,90
225	5	3.5	2.51	010000836	30,65
250	5	3.5	2.79	010000837	34,00
280	5	4.0	3.54	010000839	44,20
315	5	5.0	4.94	010000840	64,50
355	5	5.0	5.58	010000841	73,20
400	5	6.0	7.52	010000842	98,65
450	5	7.0	9.84	010000843	160,00
500	5	8.0	12.5	010000844	203,00
560	5	8.0	14	010000845	227,30
630	5	10.0	19.6	010000846	308,15
710	5	12.0	26.4	010015407	404,65
800	5	12.0	29.8	010010302	518,00

PP-EL-s Pipes

SIMONA



Material

PP electrically conductive (PP-EL), flame retardant

Colour

black

Dimensions

Standard length 5 m, special lengths on request

2.1

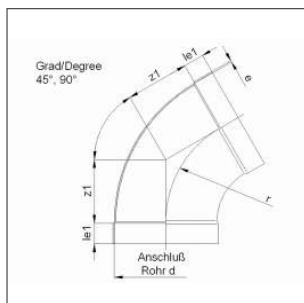
Product image for illustration purposes only.

Art.code: PP-EL-S—RO—EX—SW09500—

0501

d (mm)	e (mm)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
50	3.0	5	0.56	010030561	23,10
63	3.0	5	0.72	010007181	25,90
75	3.0	5	0.86	010012111	27,60
90	3.0	5	1.05	010002884	33,45
110	3.0	5	1.29	010002885	41,20
125	3.0	5	1.47	010002886	46,90
140	3.0	5	1.65	010002977	52,65
160	3.0	5	1.89	010002887	60,20
180	3.0	5	2.13	010002888	67,95
200	3.0	5	2.37	010002889	75,60
225	3.5	5	3.12	010002978	99,55
250	3.5	5	3.47	010002890	110,65
280	4.0	5	4.4	010002979	140,25
315	5.0	5	6.14	010002891	195,65
355	5.0	5	6.94	010007178	221,25
400	6.0	5	9.34	010002892	297,65
450	7.0	5	12.2	010002982	389,00
500	8.0	5	15.5	010002980	493,95

■	2	PPs		
	2.2	PPs fittings for ventilation pipes		2.2
		PPs Bends with sockets		100
		PPs Flange adaptors with sockets		101
		PPs Tees with sockets		102
		PPs Sockets		103
		PPs Reducers concentric with sockets		104
		PPs End caps with sockets		105
		PPs Volume control dampers with sockets, with adjustment in increments		106
		PPs Volume control dampers with sockets, infinitesimal adjustment		107
		PPs Exhaust Air Diffuser with sockets, type REDIFF		108
		PPs Spherical-sleeves for clip band connection		109
		PPs Spherical-sleeves with flanges		110

**Material**

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

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

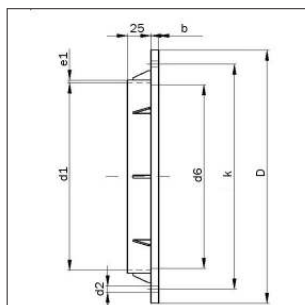
Art.code: PPS—BO—45-LU-FG—GR09300—

0428

d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	kg/piece	Art. No.	€/ Stk
50	3.0	25	30	45	0.050	021800106	16,85
50	3.0	25	55	90	0.100	021800104	21,55
63	3.0	25	32	45	0.070	021800107	16,85
63	3.0	25	70	90	0.120	010100775	21,55
75	3.0	35	35	45	0.100	010100469	16,85
75	3.0	35	80	90	0.128	010100487	21,55
90	3.0	35	40	45	0.120	010100470	16,85
90	3.0	35	95	90	0.180	010100488	24,05
110	3.5	40	55	45	0.190	010100471	16,85
110	3.5	40	120	90	0.260	010100489	26,30
125	3.0	40	60	45	0.230	010100472	19,10
125	3.0	40	135	90	0.360	010100490	28,80
140	3.5	40	70	45	0.280	010100473	26,30
140	3.5	40	150	90	0.420	010100491	33,30
160	3.0	40	75	45	0.340	010100474	31,15
160	3.0	40	170	90	0.500	010100492	38,20
180	3.0	50	85	45	0.450	010100475	33,30
180	3.0	50	190	90	0.700	010100493	40,50
200	3.0	50	95	45	0.530	010100476	35,80
200	3.0	50	210	90	0.900	010100494	43,00
225	4.0	50	105	45	0.750	010100477	43,00
225	4.0	50	235	90	1.200	010100495	57,30
250	3.5	50	115	45	0.890	010100478	47,70
250	3.5	50	260	90	1.500	010100496	59,80
280	4.0	50	125	45	1.210	010100479	107,60
280	4.0	50	290	90	2.800	010100497	123,80
315	5.0	50	140	45	1.830	010100480	124,15
315	5.0	50	325	90	3.200	010100498	162,15
355	5.0	50	160	45	2.250	010100481	145,45
355	5.0	50	365	90	4.100	010100499	188,20
400	6.0	60	175	45	3.450	010100482	157,60
400	6.0	60	410	90	5.100	010100500	200,60
450	6.0	60	200	45	5.400	010100759	331,20
450	6.0	60	460	90	8.000	021800105	491,25
500	6.0	60	220	45	6.700	021800108	419,75
500	6.0	60	510	90	10.000	010100501	590,90
560	6.0	90	250	45	7.500	021800354	556,05
560	6.0	90	580	90	11.000	021800333	859,15
630	8.0	100	280	45	10.000	021800109	642,80
630	8.0	100	650	90	17.500	010100502	932,75
710	8.0	95	310	45	10.000	010007002	931,40
710	8.0	95	715	90	17.500	010007008	1.393,05
800	10.0	100	350	45	10.000	010007003	1.175,10

PPs Flange adaptors with sockets

SIMONA



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

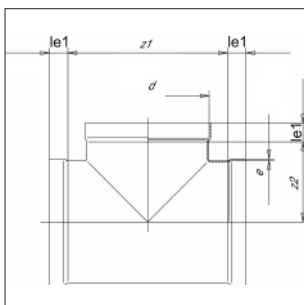
PE-EL, PP, PP-ELs and PVC on request

2.2

Art.code: PPS—MF—LU—GR09300—

0428

d (mm)	d2 (mm)	e (mm)	D (mm)	d6 (mm)	b (mm)	k (mm)	H (mm)	kg/piece	Art. No.	€ / Stk
50	7	3.0	100	46	8	80	4	0.055	020900047	14,50
63	7	3.0	120	59	8	100	8	0.080	020900048	16,85
75	7	3.0	135	71	8	115	8	0.090	020900013	16,85
90	7	3.0	150	86	8	130	8	0.120	020900014	16,85
110	7	4.0	170	106	8	150	8	0.150	020900001	16,85
125	7	4.0	185	121	8	165	8	0.180	020900002	19,10
140	7	4.0	200	136	8	175	8	0.200	020900009	19,10
160	7	4.0	230	156	8	200	8	0.225	020900003	24,05
180	7	4.0	250	176	8	220	8	0.250	020900010	26,30
200	7	4.0	270	196	8	240	8	0.280	020900004	28,80
225	7	4.0	295	221	8	265	8	0.320	020900005	28,80
250	7	4.0	320	246	10	290	10	0.350	020900006	31,15
280	9	4.0	360	274	10	325	10	0.480	020900011	33,30
315	9	4.5	395	309	10	350	10	0.580	020900007	35,80
355	9	6.0	435	349	10	400	10	0.600	020900012	38,20
400	9	6.0	480	394	10	445	10	0.880	020900008	43,00

**Material**

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Execution

injected, swept

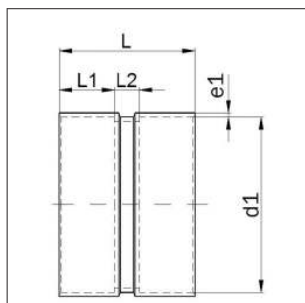
Remark

PE-EL, PP, PP-ELs and PVC on request

Art.code: PPS—TS—LU—FG—GR09300—

0428

d (mm)	e (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.	€ / Stk
50	3.0	35	70	35	0.120	022800001	42,55
63	3.0	35	90	45	0.130	022800002	47,55
75	3.0	35	100	55	0.140	010300243	62,50
90	3.0	35	130	60	0.160	010300244	71,60
110	3.0	40	145	70	0.300	010300245	76,15
125	3.0	50	185	85	0.480	010300246	93,00
140	3.0	45	205	95	0.500	010300327	112,10
160	3.0	40	250	100	0.580	010300247	97,85
180	3.0	55	270	110	1.100	010300328	133,55
200	3.0	50	285	120	1.200	010300248	121,80
225	3.5	60	335	140	1.400	010300249	174,05
250	3.5	50	315	145	1.600	010300250	171,85
280	4.0	50	365	175	2.260	010300329	227,30
315	5.0	60	410	190	3.300	010300251	283,70
355	5.0	45	510	195	3.400	010300330	350,70
400	5.0	60	490	240	5.100	010300331	408,90
450	6.0	70	560	250	7.730	022800021	508,55
500	6.0	70	590	305	8.000	022800022	538,90
560	6.0	70	700	350	10.000	022800023	703,40
630	6.0	70	770	390	11.100	022800024	1.181,60

**Material**

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

PE-EL, PP, PP-ELs and PVC on request

2.2

Art.code: PPS—MU—LU—FG—GR09300—

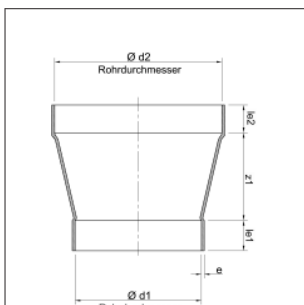
0428

d	e	Empty category		Length	kg/piece	Art. No.	€ / Stk
(mm)	(mm)	(mm)	(mm)	(mm)			
50	3.0	25	30	80	0.100	020800079	14,50
63	3.0	25	30	80	0.100	020800043	14,50
75	3.0	35	30	100	0.100	020800007	14,50
90	3.0	35	30	100	0.100	020800008	14,50
110	3.0	40	20	100	0.100	020800009	14,50
125	3.0	40	20	100	0.100	020800010	16,85
140	3.0	40	20	100	0.125	020800011	16,85
160	3.0	40	20	100	0.200	020800012	19,10
180	3.0	40	20	100	0.200	020800013	19,10
225	3.5	50	20	120	0.300	020800015	24,05
250	3.5	50	20	120	0.400	020800016	28,80
280	4.0	50	20	120	0.420	020800040	31,15
315	5.0	50	20	120	0.800	020800017	33,30
355	5.0	50	35	135	0.980	020800018	64,35
400	6.0	60	35	155	1.001	020800019	69,10
450	6.0	60	40	160	1.200	020800041	85,95
500	6.0	60	40	160	1.290	020800044	93,00
560	6.0	70	30	170	1.940	020800045	238,15
630	8.0	70	30	170	2.300	020800046	220,70
710	8.0	90	35	215	2.300	010007009	279,55
800	8.0	100	30	230	2.300	010007010	311,20

PPs Reducers concentric with sockets

SIMONA

2.2



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

PE-EL, PP, PP-ELs and PVC on request

Product image for illustration purposes only.

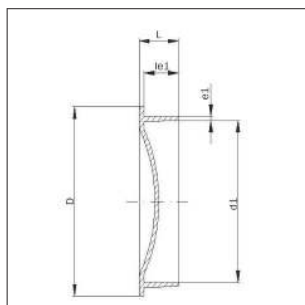
Art.code: PPS—RZ—LU—FG—GR09300—

0428

d1 (mm)	d2 (mm)	le1 (mm)	le2 (mm)	z1 (mm)	e (mm)	kg/piece	Art. No.	€/ Stk
75	50	35	35	40	3.0	0.070	022600258	47,70
75	63	35	25	40	3.0	0.075	022600161	54,30
90	75	35	35	40	3.0	0.090	014900001	24,05
110	90	40	35	50	3.0	0.180	014900003	26,30
125	110	40	35	40	3.0	0.135	014900004	28,80
140	110	40	40	70	3.0	0.185	014900745	31,15
140	125	40	40	40	3.0	0.160	014900746	50,20
160	110	40	35	110	3.5	0.250	014900005	35,80
160	125	40	40	80	3.5	0.400	014900006	57,30
160	140	40	40	60	3.5	0.220	014900747	52,50
180	160	50	40	35	3.5	0.240	014900007	50,20
200	110	50	40	210	3.0	0.240	022600160	43,00
200	160	50	50	90	3.0	0.420	014900009	35,80
200	180	50	50	53	3.0	0.510	014900748	52,50
225	160	50	40	135	3.0	0.400	014900778	59,80
225	200	50	50	50	3.0	0.400	014900749	59,80
250	160	50	40	195	3.5	0.630	014900010	43,00
250	180	50	50	155	3.5	0.680	014900753	83,45
250	200	50	50	100	3.5	0.640	014900011	50,20
250	225	50	50	73	3.5	0.550	014900754	78,65
280	200	50	50	155	3.5	0.950	022600168	95,35
280	250	50	50	105	3.5	0.760	014900756	66,75
315	160	50	40	310	4.0	1.200	022600184	207,30
315	200	50	50	235	4.0	1.100	014900013	107,60
315	250	50	50	140	4.5	0.880	014900014	69,10
315	280	50	50	95	4.5	0.800	014900758	83,45
355	200	50	50	310	5.0	1.440	014900759	112,10
355	250	50	50	215	4.5	1.300	014900015	90,55
355	315	60	50	95	5.0	1.002	014900760	145,10
400	225	60	50	345	5.0	2.100	022600256	361,00
400	250	60	50	300	5.0	2.100	022600245	100,25
400	315	60	50	180	5.0	1.600	014900016	100,25
400	355	60	50	105	5.0	1.300	014900763	100,25
450	250	60	50	395	6.0	3.900	022600240	114,55
450	315	60	50	275	6.0	2.500	022600169	114,55
450	400	60	60	115	6.0	1.500	022600015	143,35
500	315	65	65	370	6.0	3.700	022600170	124,15
500	400	70	55	210	6.0	2.600	022600016	186,05
560	450	90	60	230	6.0	3.100	022600239	506,40
630	450	100	60	360	6.0	5.500	010007014	577,75
630	560	100	70	155	6.0	5.700	022600172	521,55

PPs End caps with sockets

SIMONA



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

PE-EL, PP, PP-ELs and PVC on request

2.2

Art.code: PPS—KA—LU—FG—GR09300—

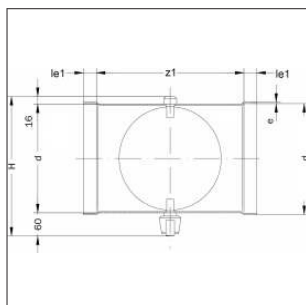
0428

d (mm)	e (mm)	D (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
50	3.0	65	22	25	0.040	020100082	11,95
63	3.0	80	22	25	0.050	020100018	11,95
75	3.0	90	22	25	0.070	020100005	11,95
90	3.0	105	22	25	0.080	020100006	11,95
110	3.5	140	24	27	0.100	020100001	11,95
125	3.5	155	23	28	0.100	020100007	14,50
140	3.5	170	25	28	0.100	020100008	16,85
160	3.5	190	25	28	0.200	020100002	19,10
180	3.5	210	24	28	0.200	020100009	19,10
200	3.5	230	24	28	0.200	020100003	24,05
225	4.0	255	25	28	0.300	020100010	28,80
250	4.0	280	25	28	0.400	020100004	33,30
280	4.0	312	25	28	0.400	020100011	35,80
315	4.0	352	24	28	0.600	020100012	40,50
355	4.0	390	23	28	0.700	020100013	45,50
400	6.0	432	25	29	0.900	020100014	47,70
450	6.0	480	70	76	1.600	020100015	156,75
500	6.0	530	70	76	1.800	020100016	168,65
560	6.0	590	70	76	2.500	020100019	187,85
630	6.0	660	70	76	2.800	020100020	221,00

PPs Volume control dampers with sockets, with adjustment in increments

SIMONA

2.2



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Execution

actuator: manually with adjustments in increments

Remark

with electric actuator on request, adjustment in increments (15°), PE-EL, PP, PP-EL-s and PVC on request

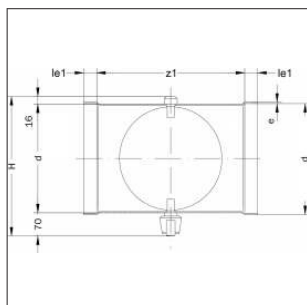
Art.code: PPS—DK—LUMANS—MU-GR09300—

0428

d	e	b	le1	z1	H	kg/piece	Art. No.	€/ Stk
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
50	3.0	125	35	60	125	0.140	021300044	59,80
63	3.0	139	35	60	139	0.200	017100015	69,10
75	3.0	151	35	60	151	0.200	017100001	71,60
90	3.0	165	35	60	165	0.200	017100002	78,65
110	3.0	185	40	75	185	0.300	017100003	81,05
125	3.0	201	40	70	201	0.300	017100004	88,10
140	3.0	215	40	70	215	0.350	017100011	90,55
160	3.0	235	40	70	235	0.400	017100005	93,00
180	3.0	255	50	70	255	0.500	017100006	97,85
200	3.0	275	50	70	275	0.600	017100007	107,60
225	3.0	301	50	70	301	0.700	017100008	109,65
250	3.0	325	50	75	325	0.800	017100009	116,90
280	3.0	355	50	75	355	0.880	017100012	126,40
315	3.0	391	50	75	391	1.100	017100010	117,80

PPs Volume control dampers with sockets, infinitesimal adjustment

SIMONA



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Execution

actuator: infinitesimal adjustment

Remark

with electric actuator on request, PE-EL, PP, PP-EL-s and PVC on request

2.2

Art.code: PPS—DK—LUMANSL—MU-GR09300—

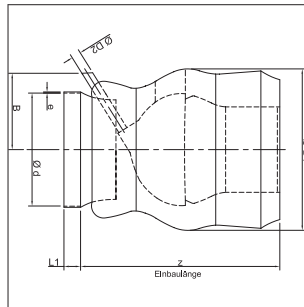
0428

d (mm)	e (mm)	le1 (mm)	z1 (mm)	H (mm)	kg/piece	Art. No.	€ / Stk
50	3.0	35	60	133	0.200	022900069	76,15
63	3.0	35	60	147	0.200	022900070	85,95
75	3.0	35	60	159	0.200	022900071	97,85
90	3.0	35	60	173	0.200	022900072	109,65
110	3.0	40	75	193	0.300	022900073	119,45
125	3.0	40	70	209	0.300	022900074	124,15
140	3.0	40	70	223	0.400	022900075	126,40
160	3.0	40	70	243	0.500	022900076	126,40
180	3.0	50	70	263	0.580	022900077	140,85
200	3.0	50	70	283	0.600	022900078	143,35
225	3.0	50	70	309	0.600	022900079	157,60
250	3.0	50	75	333	0.780	022900080	159,80
280	3.0	50	75	363	0.900	022900081	171,85
315	3.0	50	75	399	1.100	022900082	181,10
355	5.0	50	75	462	1.500	022900083	202,85
400	6.0	60	80	506	1.900	022900084	218,75
450	6.0	60	405	565	3.500	010021419	936,25
500	6.0	60	405	615	6.500	010021420	1.008,50
560	6.0	50	460	685	11.000	010021421	1.233,75
630	6.0	50	530	755	13.500	010015419	1.432,90

PPs Exhaust Air Diffuser with sockets, type REDIFF

SIMONA

2.2



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

PE-EL, PP, PP-ELs and PVC on request

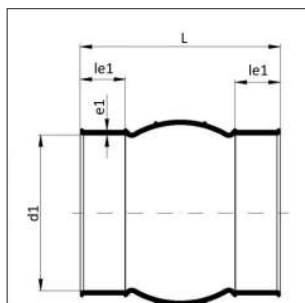
Art.code: PPS—FLH-LU—RED-MU-GR09300—

0428

d (mm)	e (mm)	z1 (mm)	D1 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
110	3.0	240	164	50	0.500	010007201	396,15
125	3.0	267	186	50	0.600	010007204	443,65
140	3.0	293	208	50	1.000	010007206	504,40
160	3.0	333	238	50	1.100	010007207	569,25
180	3.0	367	268	60	1.500	010007208	616,85
200	3.0	386	296	60	1.600	010007209	647,00
225	3.5	450	335	60	2.400	010007210	718,35
250	3.5	496	372	60	2.700	010007211	554,05
280	4.0	551	414	60	2.900	010007212	895,85
315	5.0	618	468	60	5.000	010007213	962,95
355	5.0	690	528	60	5.600	010007214	1.053,75
400	6.0	773	596	70	6.800	010007215	1.125,20

PPs Spherical-sleeves for clip band connection

SIMONA



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

2.2

Art.code: PP—MAN-LUKU-SB—GR09300—

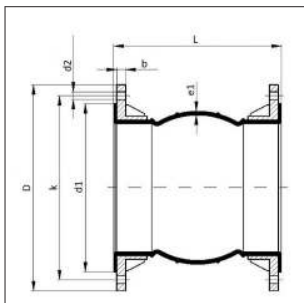
0428

d (mm)	e1 (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
50	3	22	95	0.060	010007346	41,95
63	3	20	95	0.080	010007347	50,15
75	3	18	95	0.090	010007348	52,20
90	3	16	95	0.110	010007349	54,20
110	3	20	110	0.190	010007350	56,30
125	3	29	130	0.200	010007352	60,30
140	3	37	150	0.260	010007353	62,75
160	3	35	150	0.290	010007354	66,80
200	3	40	155	0.500	010007355	75,25
250	3	40	155	0.650	010007356	85,50
315	3	40	150	0.710	010007357	96,00

PPs Spherical-sleeves with flanges

SIMONA

2.2



Material

PP flame retardant (PPs) acc. to DIN 4102 B1

Colour

grey - RAL 7037

Remark

self-sealing

Art.code: PP—MAN-LUKU-FV—GR09300—

0428

d (mm)	e1 (mm)	d1 (mm)	D (mm)	k (mm)	b (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
50	3	70	100	80	8	95	0.160	010007363	87,55
63	3	90	120	100	8	95	0.180	010007364	88,70
75	3	105	135	115	8	95	0.290	010007365	92,00
90	3	120	150	130	8	95	0.310	010007366	96,00
110	3	140	170	150	8	110	0.390	010007367	127,15
125	3	155	185	165	8	130	0.400	010007368	137,90
140	3	165	200	175	8	150	0.560	010007369	143,75
160	3	180	230	200	8	150	0.690	010007370	148,05
200	3	230	270	240	8	155	1.000	010007371	160,40
250	3	280	320	290	8	155	1.150	010007372	179,40
315	3	34	395	350	10	150	1.160	010007373	228,50

■ 3 PVDF

3.1 PVDF Pipes

PVDF Pressure pipes	114
PVDF Liner pipes, without pretreated surface	115
PVDF Liner pipes, with pretreated surface	116

3.2 PVDF Fittings

3.2.1 PVDF Fittings for IR-/butt welding with short spigots

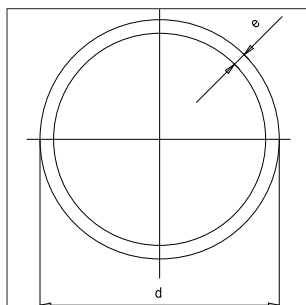
PVDF Elbows 45 °, injected, for IR-/butt welding	118
PVDF Elbows 90 °, injected, for IR-/butt welding	119
PVDF Bends 90 ° for IR-/butt welding	120
PVDF Stub flanges for loose flanges ISO/DIN	121
PVDF Stub flanges for loose flanges ANSI	122
PVDF Tees	123
PVDF Reducers concentric for IR-/butt welding	124
PVDF Unions	125
PVDF Adaptors with threaded female end	126
PVDF Adaptors with threaded male end R	127
PVDF Adaptors with threaded male end NPT	128

3.2.2 PVDF Fittings for socket welding

PVDF Elbows 45 °, injected, for socket welding	130
PVDF Elbows 90 °, injected, for socket welding	131
PVDF Stub flanges for socket welding for loose flanges ISO/DIN	132
PVDF Stub flanges for socket welding for loose flanges ANSI	133
PVDF Tees	134
PVDF Sockets	135
PVDF Reducers concentric	136
PVDF End caps	137
PVDF Unions	138

■	3	PVDF		
	3.1	PVDF Pipes		3.1
		PVDF Pressure pipes		114
		PVDF Liner pipes, without pretreated surface		115
		PVDF Liner pipes, with pretreated surface		116

3.1



Material

PVDF

Colour

natural

Dimensions

ISO 10931, standard length 5 m, special lengths on request

Art.code: PVDF—RO—EX—NA09150—

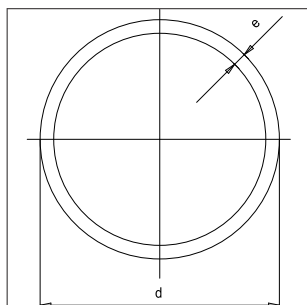
0601

SDR	d (mm)	e (mm)	PN (bar)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
21	16	1.9	16	5	0.16	010000956	16,95
21	20	1.9	16	5	0.21	010000957	26,20
21	25	1.9	16	5	0.27	010000958	33,15
21	32	2.4	16	5	0.43	010000959	53,50
21	40	2.4	16	5	0.55	010000960	69,10
21	50	3.0	16	5	0.85	010000961	103,95
21	63	3.0	16	5	1.09	010000963	131,40
21	75	3.6	16	5	1.55	010000965	191,00
21	90	4.3	16	5	2.22	010000967	268,50
21	110	5.3	16	5	3.33	010000969	393,45
21	125	6.0	16	5	4.25	010002153	*
21	140	6.7	16	5	5.31	010002154	*
21	160	7.7	16	5	6.96	010002155	846,05
21	180	8.6	16	5	8.74	010002156	*
21	200	9.6	16	5	10.8	010002157	*
21	225	10.8	16	5	13.7	010002158	*
33	63	2.0	10	5	0.75	010000962	*
33	75	2.3	10	5	1.03	010000964	*
33	90	2.8	10	5	1.48	010000966	205,45
33	110	3.4	10	5	2.2	010000968	273,35
33	125	3.9	10	5	2.84	010000970	*
33	140	4.3	10	5	3.52	010000971	*
33	160	4.9	10	5	4.54	010000972	564,00
33	180	5.5	10	5	5.74	010000973	*
33	200	6.2	10	5	7.19	010000974	929,75
33	225	6.9	10	5	8.95	010001128	1.203,85
33	250	7.7	10	5	11.1	010002160	*
33	280	8.6	10	5	13.9	010002161	*
33	315	9.7	10	5	17.6	010002162	*

* on request

PVDF Liner pipes, without pretreated surface

SIMONA



Material
PVDF

Colour
natural

Execution
without pretreated surface

Dimensions
Standard length 5 m, special lengths on request

3.1

Art.code: PVDF—RO—EXLR—NA09150—

0601

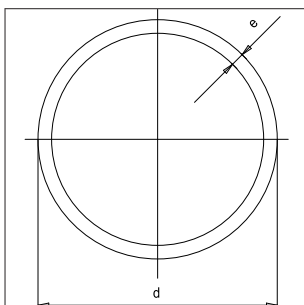
d (mm)	e (mm)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
75	3.0	5	1.3	010001239	169,65
90	3.0	5	1.58	010000976	202,80
110	3.0	5	1.94	010000977	241,00
125	3.0	5	2.21	010000978	*
140	3.0	5	2.49	010003200	*
160	3.0	5	2.85	010000979	427,00
200	3.0	5	3.58	010000980	536,45
225	3.0	5	4.03	010003125	*
250	3.0	5	4.48	010000981	715,10
280	3.5	5	5.87	010001240	*
315	4.0	5	7.47	010000982	1.185,85
355	5.0	5	10.5	010000983	*
400	5.0	5	11.8	010000984	*

* on request

PVDF Liner pipes, with pretreated surface

SIMONA

3.1



Material

PVDF

Colour

natural

Execution

with pretreated surface for direct lamination

Dimensions

Standard length 5 m, special lengths on request

Remark

fittings (such as bends, tees, reducers, etc.)
with pretreated surfaces for direct lamination
available on request

Art.code: PVDF—VO—RO—EXLR—NA09150—

0601

d (mm)	e (mm)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
32	2.4	5	0.43	010000985	87,25
40	2.4	5	0.55	010000986	91,10
50	3.0	5	0.85	010000987	121,85
63	3.0	5	1.09	010000988	160,00
75	3.0	5	1.3	010000989	*
90	3.0	5	1.58	010000990	231,50
110	3.0	5	1.94	010000991	278,00
125	3.0	5	2.21	010000992	*
160	3.0	5	2.85	010000993	478,25
200	3.0	5	3.58	010000994	600,80
250	3.0	5	4.48	010000995	796,40
280	3.5	5	5.87	010001241	*
315	4.0	5	7.47	010000996	1.319,45
355	5.0	5	10.5	010000997	*
400	5.0	5	11.8	010000998	*

* on request

■ 3 PVDF

3.2 PVDF Fittings

3.2.1

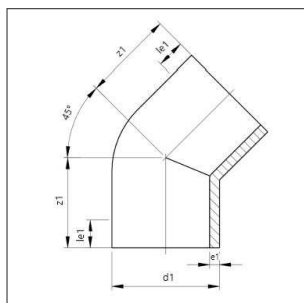
3.2.1 PVDF Fittings for IR-/butt welding with short spigots

PVDF Elbows 45 °, injected, for IR-/butt welding	118
PVDF Elbows 90 °, injected, for IR-/butt welding	119
PVDF Bends 90 ° for IR-/butt welding	120
PVDF Stub flanges for loose flanges ISO/DIN	121
PVDF Stub flanges for loose flanges ANSI	122
PVDF Tees	123
PVDF Reducers concentric for IR-/butt welding	124
PVDF Unions	125
PVDF Adaptors with threaded female end	126
PVDF Adaptors with threaded male end R	127
PVDF Adaptors with threaded male end NPT	128

PVDF Elbows 45°, injected, for IR-/butt welding (SDR 33/21)

SIMONA

3.2.1



Material
PVDF

Colour
natural

Execution
injected, for IR-/butt welding

Dimensions
ISO 10931

Product image for illustration purposes only.

Art.code: PVDF—WI-45-KS-FG—NA09150—

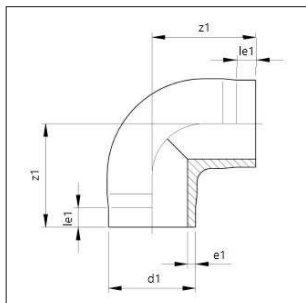
0620

SDR	d (mm)	e (mm)	Angle (°)	le1 (mm)	z1 (mm)	PN (bar)	kg/piece	Art. No.	€/ Stk
21	20	1.9	45	25	32	16	0.025	010200252	16,95
21	25	1.9	45	26	34	16	0.030	010200253	21,90
21	32	2.4	45	26	36	16	0.063	010200254	24,70
21	40	2.4	45	28	39	16	0.072	010200255	42,30
21	50	3.0	45	30	42	16	0.130	010200256	52,25
21	63	3.0	45	31	47	16	0.120	010200257	81,60
21	75	3.6	45	32	49	16	0.180	010200258	184,80
21	90	4.3	45	37	57	16	0.550	010200259	276,05
21	110	5.3	45	46	70	16	0.865	010200260	487,20
21	140	6.7	45	57	88	16	1.620	010200261	*
21	160	7.7	45	62	100	16	1.700	010200262	932,60
21	200	9.6	45	77	124	16	2.800	010200263	*
21	225	10.8	45	88	140	16	4.000	010200264	*
33	90	2.8	45	37	57	10	0.415	010200265	262,20
33	110	3.4	45	46	70	10	0.380	010200266	462,50
33	125	3.9	45	51	79	10	1.000	010200267	*
33	140	4.3	45	57	88	10	1.200	010200268	*
33	160	4.9	45	62	100	10	1.525	010200269	903,60
33	200	6.2	45	77	124	10	2.000	010200270	*
33	225	6.9	45	88	140	10	3.880	010200271	*

* on request

PVDF Elbows 90°, injected, for IR-/butt welding (SDR 21)

SIMONA



Material
PVDF

Colour
natural

Execution
injected, for IR-/butt welding

Dimensions
ISO 10931

3.2.1

Product image for illustration purposes only.

Art.code: PVDF—WI-90-KS-FG—NA09150—

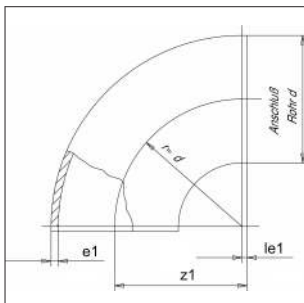
0620

SDR	d (mm)	e (mm)	Angle (°)	le1 (mm)	z1 (mm)	PN (bar)	kg/piece	Art. No.	€/ Stk
21	20	1.9	90	25	38	16	0.024	010200246	13,85
21	25	1.9	90	26	42	16	0.038	010200247	18,10
21	32	2.4	90	26	46	16	0.046	010200248	35,20
21	40	2.4	90	28	51	16	0.065	010200249	55,85
21	50	3.0	90	28	58	16	0.110	010200250	83,90
21	63	3.0	90	28	66	16	0.247	010200251	140,70

PVDF Bends 90° for IR-/butt welding (SDR 33/21)

SIMONA

3.2.1



Material

PVDF

Colour

natural

Execution

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

Dimensions

ISO 10931

Product image for illustration purposes only.

Art.code: PVDF—BO-90-KS-FG—NA09150—

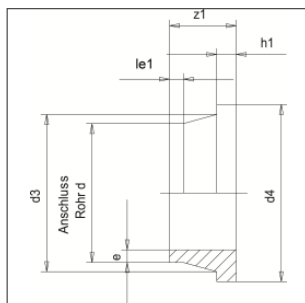
0620

SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Angle (°)	PN (bar)	kg/piece	Art. No.	€/ Stk
21	20	1.9	4	23	90	16	0.008	010100513	10,45
21	25	1.9	5	28	90	16	0.014	010100514	13,70
21	32	2.4	6	35	90	16	0.025	010100515	25,95
21	40	2.4	6	44	90	16	0.041	010100516	41,75
21	50	3.0	8	53	90	16	0.074	010100517	61,85
21	63	3.0	9	66	90	16	0.116	010100518	105,15
21	75	3.6	23	75	90	16	0.280	010102954	192,85
21	90	4.3	23	90	90	16	0.520	010102938	278,75
21	110	5.3	23	110	90	16	0.650	010102940	420,45
21	140	6.7	33	140	90	16	1.600	010102944	*
21	160	7.7	33	160	90	16	2.060	010102946	988,40
21	200	9.6	33	200	90	16	3.800	010102948	*
21	225	10.8	33	220	90	16	5.280	010102950	*
33	90	2.8	23	90	90	10	0.360	010102937	252,55
33	110	3.4	23	110	90	10	0.578	010102939	338,80
33	125	3.9	28	125	90	10	0.710	010102941	*
33	140	4.3	33	140	90	10	0.960	010102943	*
33	160	4.9	33	160	90	10	1.560	010102945	816,40
33	200	6.2	33	200	90	10	3.120	010102947	*
33	225	6.9	33	220	90	10	3.952	010102949	*

* on request

PVDF Stub flanges for loose flanges ISO/DIN (SDR 33/21)

SIMONA



Material
PVDF

Colour
natural

Execution
injected, for IR-/butt welding

Dimensions
ISO 10931

Remark
serrated flange face

3.2.1

Product image for illustration purposes only.

Art.code: PVDF—VB—KS—FG—DN—NA09150—

0620

SDR	d (mm)	e (mm)	d4 (mm)	z1 (mm)	h1 (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
21	20	1.9	45	65	6	0.032	16	010600942	13,55
21	25	1.9	58	63	7	0.056	16	010600943	15,45
21	32	2.4	68	68	8	0.084	16	010600944	15,65
21	40	2.4	78	75	8	0.115	16	010600945	27,00
21	50	3.0	88	82	10	0.169	16	010600946	32,75
21	63	3.0	102	96	9	0.251	16	010600947	46,30
21	75	3.6	122	102	10	0.353	16	010600948	87,70
21	90	4.3	138	81	12	0.400	16	010600950	126,00
21	110	5.3	158	83	13	0.540	16	010600952	180,35
21	140	6.7	188	80	15	0.847	16	010600955	*
21	160	7.7	212	93	17	1.200	16	010600957	731,40
21	200	9.6	268	102	22	1.900	16	010600959	*
21	225	10.8	268	102	22	2.000	16	010600961	*
33	90	2.8	138	81	12	0.370	10	010600949	133,45
33	110	3.4	158	81	13	0.480	10	010600951	191,10
33	125	3.9	158	82	14	0.620	10	010600953	*
33	140	4.3	188	90	16	0.710	10	010600954	*
33	160	4.9	212	93	17	1.080	10	010600956	563,70
33	200	6.2	268	102	22	1.600	10	010600958	986,15
33	225	6.9	268	102	22	1.700	10	010600960	*
33	250	7.7	320	100	20	2.620	10	010036335	*
33	280	8.6	320	100	20	2.700	10	010031996	*

* on request

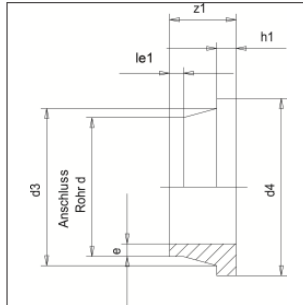
PVDF Stub flanges for loose flanges ANSI (SDR 21)

SIMONA

3.2.1



Product image for illustration purposes only.



Material
PVDF

Colour
natural

Execution
injected, for IR-/butt welding

Remark
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

Art.code: PVDF—VB—KS—FG—AN—NA09150

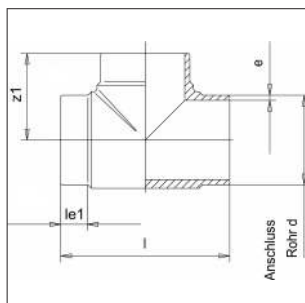
0620

SDR	d (mm)	e (mm)	d3 (mm)	d4 (mm)	le1 (mm)	z1 (mm)	h1 (mm)	PN (bar)	Art. No.	€/ Stk
21	20	1.9	27	44	42	65	6	16	019400370	*
21	25	1.9	32	54	20	56	7	16	019400371	*
21	32	2.4	40	63	26	58	7	16	019400372	*
21	50	3.0	60	82	23	69	8	16	019400374	*
21	90	4.3	105	133	40	81	12	16	019400375	*

* on request

PVDF Tees (SDR 33/21)

SIMONA



Material

PVDF

Colour

natural

Execution

injected, for IR-/butt welding

Dimensions

ISO 10931

3.2.1

Art.code: PVDF—TS—KS—FG—NA09150—

0620

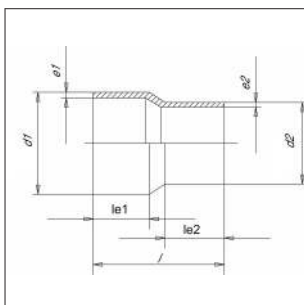
SDR	d (mm)	e (mm)	le1 (mm)	z1 (mm)	Length (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
21	20	1.9	25	38	76	16	0.021	010300957	19,25
21	25	1.9	27	42	84	16	0.029	010300958	24,35
21	32	2.4	27	46	92	16	0.057	010300959	35,35
21	40	2.4	28	51	102	16	0.088	010300960	54,20
21	50	3.0	28	58	116	16	0.155	010300961	73,85
21	63	3.0	28	66	132	16	0.275	010300962	126,25
21	75	3.6	32	75	150	16	0.370	010300963	*
21	90	4.3	39	90	180	16	0.660	010300965	411,10
21	110	5.3	48	110	220	16	1.210	010300967	490,10
21	140	6.7	62	140	280	16	2.600	010300983	*
21	160	7.7	71	160	320	16	3.500	010300985	1.363,95
21	200	9.6	80	200	400	16	7.500	010300986	*
33	90	2.8	39	90	180	10	0.397	010300964	405,75
33	110	3.4	48	110	220	10	0.714	010300966	*
33	125	3.9	56	125	250	10	1.280	010300981	*
33	140	4.3	62	140	280	10	1.780	010300982	*
33	160	4.9	71	160	320	10	2.570	010300984	1.353,35
33	200	6.2	80	200	400	10	4.810	010300993	*
33	225	6.9	86	220	440	10	7.250	010300987	*

* on request

PVDF Reducers concentric for IR-/butt welding (SDR 33/21)

SIMONA

3.2.1



Material
PVDF

Colour
natural

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

Dimensions
ISO 10931

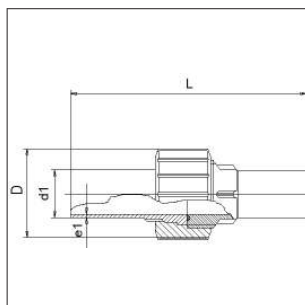
Product image for illustration purposes only.

Art.code: PVDF—RZ—KS—FG—NA09150—

0620

SDR	d1 (mm)	d2 (mm)	e (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€/ Stk
21	25	20	1.9	1.9	22	22	50	0.015	014901346	18,20
21	32	20	2.4	1.9	22	22	50	0.015	014901348	22,10
21	32	25	2.4	1.9	22	22	50	0.016	014901347	23,65
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	30,25
21	50	25	3.0	1.9	22	25	60	0.031	014901401	33,05
21	50	32	3.0	2.4	22	25	60	0.048	014901400	33,05
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	46,60
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	47,55
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	116,15
21	90	75	4.3	3.6	25	35	75	0.180	014901408	152,65
21	110	63	5.3	3	30	30	90	0.213	014901423	141,90
21	110	75	5.3	3.6	30	35	90	0.270	014901411	*
21	110	90	5.3	4.3	30	35	90	0.230	014901410	152,80
21	140	110	6.7	5.3	40	40	110	0.450	014901413	*
21	160	110	7.7	5.3	40	40	120	0.450	014901415	*
21	160	140	7.7	6.7	40	40	120	0.820	010005986	*
21	200	160	9.6	7.7	40	35	120	1.340	014901352	*
21	225	110	6.9	5.3	55	35	160	1.540	014901353	*
21	225	160	10.8	7.7	50	40	160	1.730	014901354	*
21	225	200	10.8	9.6	55	50	160	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	239,60
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	35	160	0.300	010006520	*
33	225	110	6.9	3.4	55	35	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	*

* on request



Material

PVDF FPM (seal)

Colour

natural

Execution

injected, with elongated spigot, for IR-/butt welding

Dimensions

ISO 10931

3.2.1

Art.code: PVDF—VE—FPMFG—NA09150—

0620

SDR	d (mm)	e (mm)	Length (mm)	R (")	PN (bar)	kg/piece	Art. No.	€ / Stk
21	20	1.9	106	1	16	0.080	019500033	48,90
21	25	1.9	112	1 1/4	16	0.130	019500034	59,25
21	32	2.4	118	1 1/2	16	0.175	019500035	*
21	40	2.4	124	2	16	0.262	019500036	*
21	50	3.0	130	2 1/4	16	0.370	019500037	*
21	63	3.0	136	2 3/4	16	0.578	019500038	*

* on request

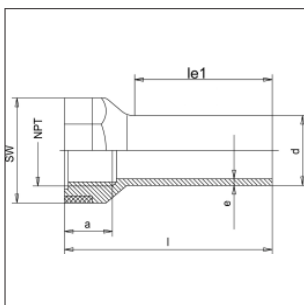
PVDF Adaptors with threaded female end (SDR 21)

SIMONA

3.2.1



Product image for illustration purposes only.



Colour
natural

Execution
injected, with elongated spigot, for IR-/butt welding

Dimensions
ISO 10931

Remark
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

Art.code: PVDF—AD—KSIG-FG-RP-NA09150—

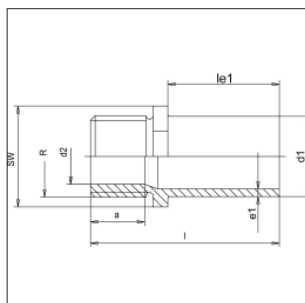
0620

SDR	d (mm)	e (mm)	le1 (mm)	a (mm)	RP (")	SW (mm)	Length (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
21	20	1.9	38	16	1/2	30	58	16	0.023	019900019	26,35
21	20	1.9	41	16		30	60	16	0.038	019900025	26,35
21	25	1.9	41	18	3/4	36	63	16	0.038	019900020	29,50
21	25	1.9	41	18		36	63	16	0.038	019900026	29,50
21	32	2.4	44	21	1	46	71	16	0.060	019900021	44,85
21	32	2.4	44	21		46	71	16	0.060	019900027	44,85
21	40	2.4	40	23	1 1/4	55	80	16	0.086	019900022	55,30
21	40	2.4	50	23		55	80	16	0.086	019900028	55,30
21	50	3.0	55	24	1 1/2	60	85	16	0.183	019900023	63,50
21	50	3.0	55			60	60	16	0.106	019900029	*
21	63	3.0	63	29	2	75	100	16	0.183	019900024	68,85
21	63	3.0	63	29		75	100	16	0.183	019900030	68,85

* on request

PVDF Adaptors with threaded male end R (SDR 21)

SIMONA



Material

PVDF

Colour

natural

Execution

injected, for IR-/butt welding

Dimensions

ISO 10931

Remark

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

3.2.1

Art.code: PVDF—AD—KSAG-FG-R—NA09150—

0620

SDR	d (mm)	d2 (mm)	e (mm)	le1 (mm)	R (")	SW (mm)	Length (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
21	20	11.7	1.9	40	1/2	24	60	16	0.017	010006570	38,90
21	25	16.7	1.9	41	3/4	27	63	16	0.039	010006571	40,75
21	32	22.3	2.4	44	1	36	71	16	0.042	010006572	51,55
21	40	28	2.4	50	1 1/4	46	75	16	0.060	010006573	*
21	50	34.9	3.0	55	1 1/2	55	82	16	0.097	010006574	95,20
21	63	45.3	3.0	63	2	65	91	16	0.133	010006575	112,45

* on request

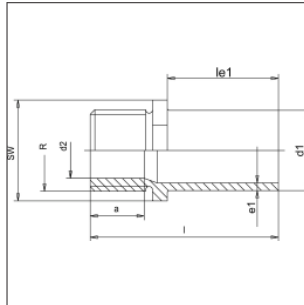
PVDF Adaptors with threaded male end NPT (SDR 21)

SIMONA

3.2.1



Product image for illustration purposes only.



Material
PVDF

Colour
natural

Execution
injected, for IR-/butt welding

Dimensions
ISO 10931

Remark
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

Art.code: PVDF—AD—KSAG-FG-NPT-NA09150—

0620

SDR	d (mm)	d2 (mm)	e (mm)	le1 (mm)	a (mm)	Length (mm)	NPT (")	SW (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
21	20	11.7	1.9	40	14	60	1/2"	24	16	0.017	020000019	38,90
21	25	16.7	1.9	41	14	63	3/4"	27	16	0.022	020000020	40,75
21	32	22.3	2.4	44	18	71	1"	36	16	0.042	020000021	51,55
21	40	28	2.4	50	19	75	1 1/4"	46	16	0.060	020000022	*
21	50	34.9	3.0	55	20	82	1 1/2"	55	16	0.097	020000023	*
21	63	45.3	3.0	63	21	91	2"	65	16	0.133	020000024	112,45

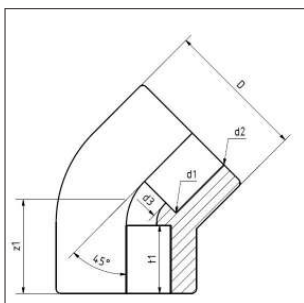
* on request

■	3	PVDF	
	3.2	PVDF Fittings	3.2.2
	3.2.2	PVDF Fittings for socket welding	
		PVDF Elbows 45 °, injected, for socket welding	130
		PVDF Elbows 90 °, injected, for socket welding	131
		PVDF Stub flanges for socket welding for loose flanges ISO/DIN	132
		PVDF Stub flanges for socket welding for loose flanges ANSI	133
		PVDF Tees	134
		PVDF Sockets	135
		PVDF Reducers concentric	136
		PVDF End caps	137
		PVDF Unions	138

PVDF Elbows 45°, injected, for socket welding

SIMONA

3.2.2



Material

PVDF

Colour

natural

Execution

injected, for socket welding

Dimensions

ISO 10931

Product image for illustration purposes only.

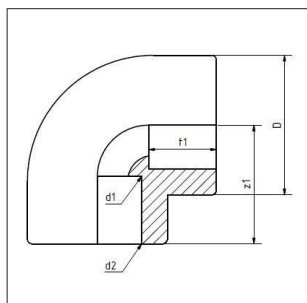
Art.code: PVDF—WI-45-MS-FG—NA09150—

0622

d (mm)	Angle (°)	d1 (mm)	d2 (mm)	D (mm)	z1 (mm)	t1 (mm)	PN (bar)	kg/piece	Art. No.	€/ Stk
20	45	19.3	19.5	28	27.5	16.5	16	0.023	010200282	17,25
25	45	24.3	24.5	34	23	17	16	0.065	010200283	23,50
32	45	31.3	31.5	42	27	19	16	0.025	010200284	27,70
40	45	39.2	39.45	52	32	20.5	16	0.150	010200285	46,60
50	45	49.2	49.45	63	35	23.5	16	0.113	010200286	53,30
63	45	62.1	62.5	78.5	43	27.5	16	0.350	010200287	90,05

PVDF Elbows 90°, injected, for socket welding

SIMONA



Material
PVDF

Colour
natural

Execution
injected, for socket welding

Dimensions
ISO 10931

3.2.2

Product image for illustration purposes only.

Art.code: PVDF—WI-90-MS-FG—NA09150—

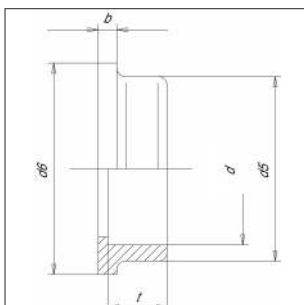
0622

d (mm)	Angle (°)	d1 (mm)	d2 (mm)	D (mm)	z1 (mm)	t1 (mm)	PN (bar)	kg/piece	Art. No.	€/ Stk
20	90	19.3	19.5	28	27.5	15.5	16	0.046	010200275	13,30
25	90	24.3	24.5	32	32	18	16	0.055	010200276	16,05
32	90	31.3	31.5	42	37.5	19	16	0.100	010200277	32,05
40	90	39.2	39.45	52	43	22	16	0.162	010200278	49,40
50	90	49.2	49.45	63	57	25	16	0.243	010200279	75,45
63	90	62.1	62.5	78.5	60	27.5	16	0.450	010200280	125,75

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

SIMONA

3.2.2



Material

PVDF

Colour

natural

Execution

injected, for socket welding for flat gaskets

Dimensions

ISO 10931

Remark

serrated flange face

Art.code: PVDF—BU—MSFD-FG—DN-NA09150—

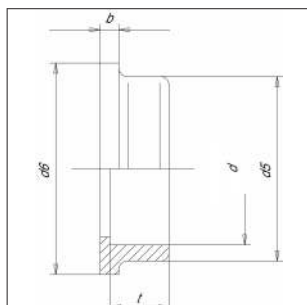
0622

d (mm)	d5 (mm)	d6 (mm)	b (mm)	t1 (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
20	27	45	10	14.5	16	0.030	015600028	9,40
25	33	58	10	16	16	0.050	015600029	11,00
32	41	68	10	18	16	0.068	015600030	11,40
40	50	78	11	20.5	16	0.096	015600031	18,90
50	61	88	12	23.5	16	0.130	015600032	21,90
63	76	102	14	27.5	16	0.184	015600033	31,80
75	90	106	10	30	16	0.175	015600034	*
90	109	125	11	33	16	0.300	015600035	114,05
110	131	150	12	37	16	0.485	015600036	157,95

* on request

PVDF Stub flanges for socket welding for loose flanges ANSI

SIMONA



Material

PVDF

Colour

natural

Execution

injected, for socket welding

Remark

serrated flange face

3.2.2

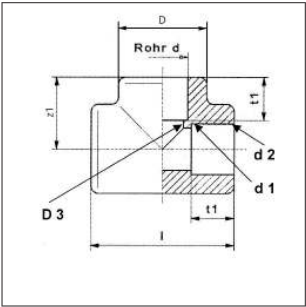
Art.code: PVDF—BU—MSFD-FG—AN-NA09150—

0622

d (mm)	d5 (mm)	d6 (mm)	b (mm)	t1 (mm)	Nenndruck	PN (bar)	kg/piece	Art. No.	€ / Stk
20	26	44	10	14.5	16	16	0.030	015600037	12,50
25	32	54	10	16	16	16	0.043	015600054	*
32	39	63	10	18	16	16	0.055	015600038	14,45
40	48	73	11	20.5	16	16	0.092	015600055	*
50	60	82.5	12	23.5	16	16	0.120	015600056	*
63	75	101	14	27.5	16	16	0.178	015600039	*
75	85	106	10	30	16	16	0.182	015600057	*
90	106	125	11	33	16	16	0.295	015600058	*

* on request

3.2.2



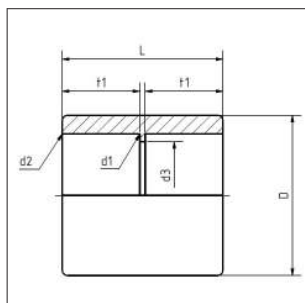
Material
PVDF

Colour
natural

Execution
injected, for socket welding

Dimensions
ISO 10931

Art.code: PVDF—TS—MS—FG—NA09150—										0622
d (mm)	d1 (mm)	d2 (mm)	D (mm)	z1 (mm)	t1 (mm)	Length (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	30	28.5	14.5	56	16	0.034	020500053	22,10
25	24.3	24.5	32	32	16	59	16	0.076	020500054	26,50
32	31.3	31.5	43.1	40	18	75	16	0.117	020500055	39,15
40	39.2	39.45	49	45	20.5	83	16	0.135	020500056	60,45
50	49.2	49.45	60.2	53.5	23.5	99	16	0.326	020500057	91,05
63	62.1	62.5	75	63.4	27.5	120	16	0.560	020500058	143,75



Material
PVDF

Colour
natural

Execution
injected, for socket welding

Dimensions
ISO 10931

3.2.2

Art.code: PVDF—MU—MS—FG—NA09150—

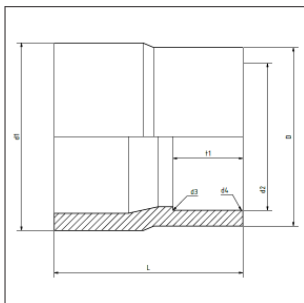
0622

d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	D (mm)	t1 (mm)	Length (mm)	PN (bar)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	18	30	14.5	35	16	0.035	014200045	11,00
25	24.3	24.5	23	35.3	16	39	16	0.046	014200046	13,00
32	31.3	31.5	30	40	18	43	16	0.056	014200047	17,40
40	39.2	39.45	38	51	21.5	48	16	0.095	014200048	25,75
50	49.2	49.45	48	63	24	53	16	0.149	014200049	72,20
63	62.1	62.5	61	79	27.5	60	16	0.256	014200050	100,30

PVDF Reducers concentric

SIMONA

3.2.2



Material
PVDF

Colour
natural

Execution
injected, for socket welding

Dimensions
ISO 10931

Remark
multifunctional application, functional survey on the next page

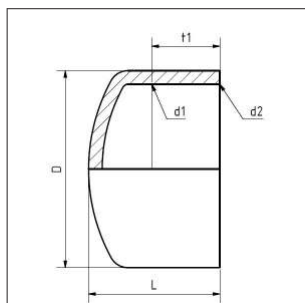
Product image for illustration purposes only.

Art.code: PVDF—RZ—MS—FG—NA09150—

0622

d1 (mm)	d2 (mm)	t1 (mm)	Length (mm)	PN (bar)	kg/piece	Art. No.	€/ Stk
25	20	14.5	35	16	0.030	014901438	18,10
32	20	16	43	16	0.030	010006576	*
32	25	16	39	16	0.024	014901439	*
40	20	14	48	16	0.040	010006577	*
40	25	16	48	16	0.048	014901440	*
40	32	18	43	16	0.058	014901441	*
50	20	14	54	16	0.070	010006578	*
50	25	16	54	16	0.080	010006579	*
50	32	18	52.5	16	0.064	014901442	*
50	40	20	48	16	0.070	014901443	*
63	20	16	64	16	0.100	010006580	47,85
63	25	16	64	16	0.110	010006581	*
63	32	18.1	63.5	16	0.127	014901444	50,65
63	40	22	67	16	0.120	010006582	50,90
63	50	23.5	63.5	16	0.087	014901445	53,05

* on request



Material

PVDF

Colour

natural

Execution

injected, for socket welding

Dimensions

ISO 10931

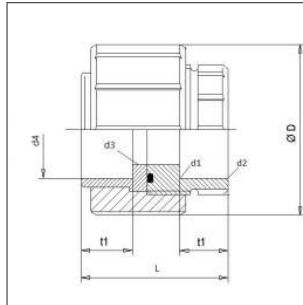
Art.code: PVDF—KA—MS—FG—NA09150—

0622

d (mm)	d1 (mm)	d2 (mm)	D (mm)	t1 (mm)	PN (bar)	Length (mm)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	30	14.5	16	22.5	0.020	020600033	*
25	24.3	24.5	36	16	16	27	0.028	020600034	*
32	31.3	31.5	44	18.1	16	31	0.029	020600035	*
50	49.2	49.45	65	23.5	16	43	0.075	020600037	*
63	62.1	62.5	80	27.5	16	52	0.123	020600038	79,45
	40	40	49	20	16	34	0.042	020600036	*

* on request

3.2.2



Material
PVDF FPM (seal)

Colour
natural

Execution
injected, for socket welding

Dimensions
ISO 10931

Art.code: PVDF—VE—MSFPMFG—NA09150—

0622

d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	D (mm)	t1 (mm)	Length (mm)	R (")	PN (bar)	kg/piece	Art. No.	€ / Stk
20	19.3	19.5	13	20	45	14.5	47.5	1	16	0.058	010700084	60,70
25	24.3	24.5	18	25	55	16	49.5	1 1/4	16	0.105	010700085	74,35
32	31.3	31.5	25	32	62.5	18.1	53	1 1/2	16	0.120	010700086	100,55
40	39.2	39.4	31	40	76	20.5	59	2	16	0.200	010700087	*
50	49.2	49.4	39	50	86.5	23.5	67	2 1/4	16	0.290	010700088	186,00
63	62.1	62.4	49	63	107	27.4	80	2 3/4	16	0.400	010700089	260,00

* on request

■ **4 ECTFE**

4.1 ECTFE Pipes

ECTFE Pressure pipes

142

■ 4 ECTFE

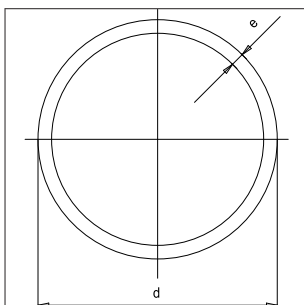
4.1 ECTFE Pipes

ECTFE Pressure pipes

4.1

142

4.1

**Material**

E-CTFE

Colour

natural

Dimensions

Based on ISO 10931, standard length 5 m

Art.code: ECTFE—RO—EX—NA09150—

0701

SDR	d (mm)	e (mm)	Length/m (m)	Weight (kg/m)	Art. No.	€/m
21	20	1.9	5	0.2	010002747	*
21	25	1.9	5	0.25	010002748	*
21	32	2.4	5	0.41	010002749	*
21	40	2.4	5	0.52	010002750	*
21	50	3.0	5	0.8	010002751	*
21	63	3.0	5	1.03	010002752	*
21	75	3.6	5	1.46	010002753	*
21	90	4.3	5	2.1	010002754	*
21	110	5.3	5	3.14	010002755	*
21	160	7.7	5	6.57	010002758	*

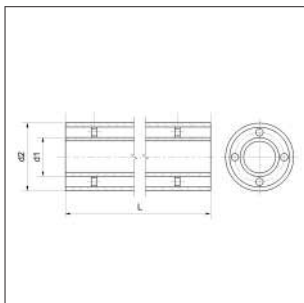
* on request

■	5 SIMODUAL²	
	5.1 PE/PE Pipes	
	SIMODUAL ² Pipe modules PE/PE	146
	5.2 PE/PE Fittings	
	5.2.1 PE/PE Fittings with short spigots	
	SIMODUAL ² Bends 45 ° PE/PE	148
	SIMODUAL ² Bends 90 ° PE/PE	149
	SIMODUAL ² Tees PE/PE	150
	SIMODUAL ² Reducers concentric PE/PE	151
	SIMODUAL ² Transition fitting PE/PE	152
	SIMODUAL ² Spacer	153
	SIMODUAL ² Fixing point	154
	SIMODUAL ² Leak adaptor piece PE/PE	155
	SIMODUAL ² Fixing Points for Pipe Clamp PE/PE	156
	5.2.2 PE/PE Fittings with elongated spigots	
	SIMODUAL ² Bends 45 ° , extended PE/PE	158
	SIMODUAL ² Bends 90 ° , extended PE/PE	159
	SIMODUAL ² Tees, extended PE/PE	160
	SIMODUAL ² Electrofusion socket, extended	161
	5.3 PP/PE Pipes	
	SIMODUAL ² Pipe modules PP/PE	164
	5.4 PP/PE Fittings	
	5.4.1 PP/PE Fittings with short spigots	
	SIMODUAL ² Bends 45 ° PP/PE	166
	SIMODUAL ² Bends 90 ° PP/PE	167
	SIMODUAL ² Tees PP/PE	168
	SIMODUAL ² Reducers concentric PP/PE	169
	SIMODUAL ² Transition fitting PP/PE	170
	SIMODUAL ² Fixing Points for Pipe Clamp	171
	5.4.2 PP/PE Fittings with elongated spigots	
	SIMODUAL ² Bends 45 ° , extended PP/PE	174
	SIMODUAL ² Bends 90 ° , extended PP/PE	175
	SIMODUAL ² Tees, extended PP/PE	176
	SIMODUAL ² Leak adaptor piece PP/PE	177
	5.5 PVDF/PE Pipes	

■	5 SIMODUAL²	SIMODUAL ² Pipe Module PVDF/PE	180
	5.6 PVDF/PE Fittings		
		SIMODUAL ² PVDF/PE Bend	182
		SIMODUAL ² PVDF/PE Bend, elongated on one side	183
		SIMODUAL ² PVDF/PE Transition fitting, short	184
		SIMODUAL ² Fixing Points for Pipe Clamp PVDF/PE	185
		SIMODUAL ² PVDF/PE Tee	186
		SIMODUAL ² PVDF/PE Tee, elongated on one side	187
		SIMODUAL ² PVDF/PE Reducer concentric	188
		SIMODUAL ² PVDF/PE Adapter with leakage control, short	189

■	5	SIMODUAL ²	5.1	PE/PE Pipes	5.1
				SIMODUAL ² Pipe modules PE/PE	146

5.1

**Material**

PE/PE

Colour

black/black

Dimensions

Individual components in accordance with DIN EN ISO 15494, standard length 6m (PE/PE)

Remark

Cascade welding; Inner pipe: Heated-tool butt welding; Outer pipe: Electrofusion socket welding; Including spacer

Product image for illustration purposes only.

Art.code: PE/PE—DORO—IND—SW09500—

0801

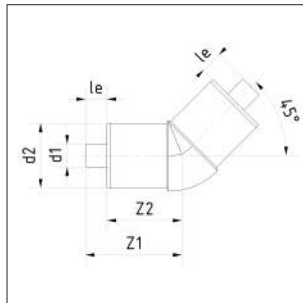
SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	Length (mm)	Weight (kg/m)	kg/piece	Art. No.	€/m
11	17	32	90	3	5.4	6000	1.92	11.544	010025240	55,25
11	17	63	110	5.8	6.6	6000	3.4	20.400	010025241	71,20
11	17	90	160	8.2	9.5	6000	7.02	42.100	010025242	113,05
11	17	110	180	10	10.7	6000	9.35	56.105	010025243	142,00
11	17	160	250	14.6	14.8	6000	18.86	113.132	010025244	308,35
11	17	200	315	18.2	18.7	6000	29.44	176.658	010025245	349,10
11	17	225	355	20.5	21.1	6000	37.53	225.171	010025246	396,70

■	5	SIMODUAL²	5.2	PE/PE Fittings	5.2.1
			5.2.1	PE/PE Fittings with short spigots	
				SIMODUAL ² Bends 45 ° PE/PE	148
				SIMODUAL ² Bends 90 ° PE/PE	149
				SIMODUAL ² Tees PE/PE	150
				SIMODUAL ² Reducers concentric PE/PE	151
				SIMODUAL ² Transition fitting PE/PE	152
				SIMODUAL ² Spacer	153
				SIMODUAL ² Fixing point	154
				SIMODUAL ² Leak adaptor piece PE/PE	155
				SIMODUAL ² Fixing Points for Pipe Clamp PE/PE	156

SIMODUAL² Bends 45° PE/PE

SIMONA

5.2.1



Material

PE/PE

Colour

black/black

Remark

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.

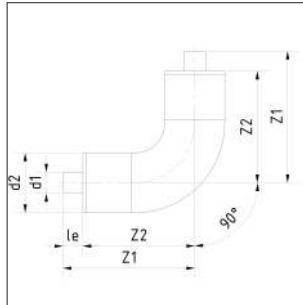
Art.code: PE/PE—DOB045KKKSIND—SW09500—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	105	90	0.563	010025268	173,70
11	17	63	110	5.8	6.6	30	121	88	1.250	010025269	322,50
11	17	90	160	8.2	9.5	40	180	105	3.591	010025270	579,25
11	17	110	180	10	10.7	40	185	121	5.332	010025271	703,90
11	17	160	250	14.6	14.8	40	215	190	13.353	010025272	1.353,25
11	17	200	315	18.2	18.7	40	245	207	26.540	010025273	1.963,85
11	17	225	355	20.5	21.1	50	105	90	45.020	010025274	2.838,40

SIMODUAL² Bends 90° PE/PE

SIMONA



Material
PE/PE

Colour
black/black

Remark
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"

5.2.1

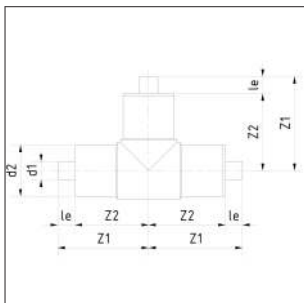
Product image for illustration purposes only.

Art.code: PE/PE—DOB090KKKSIND—SW09500—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	198	168	0.710	010025254	176,40
11	17	63	110	5.8	6.6	30	223	193	1.654	010025255	299,20
11	17	90	160	8.2	9.5	40	298	258	4.457	010025256	526,60
11	17	110	180	10	10.7	40	330	290	6.799	010025257	675,75
11	17	160	250	14.6	14.8	40	420	380	17.216	010025258	1.206,80
11	17	200	315	18.2	18.7	40	510	471	32.980	010025259	1.963,85
11	17	225	355	20.5	21.1	50	612	562	55.840	010025260	2.839,15

5.2.1

**Material**

PE/PE

Colour

black/black

Remark

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.

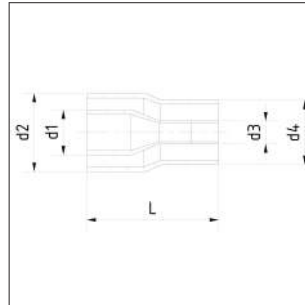
Art.code: PE/PE—DOTS-KKKSIND—SW09500—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	172	142	1.105	010025282	276,55
11	17	63	110	5.8	6.6	30	196	166	2.417	010025283	449,35
11	17	90	160	8.2	9.5	40	256	216	6.173	010025284	712,65
11	17	110	180	10	10.7	40	310	270	9.735	010025285	969,90
11	17	160	250	14.6	14.8	40	343	303	20.584	010025286	1.803,80
11	17	200	315	18.2	18.7	40	401	361	41.054	010025287	2.698,00
11	17	225	355	20.5	21.1	50	473	423	55.682	010025288	3.788,95

SIMODUAL² Reducers concentric PE/PE

SIMONA



Material

PE/PE

Colour

black/black

Remark

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"

5.2.1

Product image for illustration purposes only.

Art.code: PE/PE—DORZ-KK—IND—SW09500—

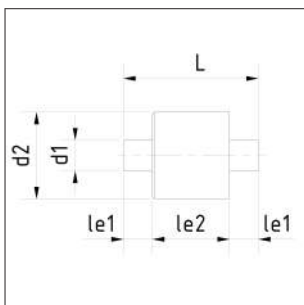
0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	e1 (mm)	e2 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	17	63	110	32	90	5.8	6.6	185	0.668	010025296	237,65
11	17	90	160	63	110	8.2	9.5	254	0.668	010025297	278,60
11	17	110	180	63	110	10	10.7	275	2.359	010025298	341,70
11	17	110	180	90	160	10	10.7	279	0.668	010025299	387,30
11	17	160	250	90	160	14.6	14.8	308	0.668	010025300	465,60
11	17	160	250	110	180	14.6	14.8	316	6.119	010025301	561,10
11	17	200	315	110	180	18.2	18.7	322	46.497	010025302	969,55
11	17	200	315	160	250	18.2	18.7	367	11.661	010025303	694,30
11	17	225	355	160	250	20.5	21.1	390	32.680	010025304	1.285,45
11	17	225	355	200	315	20.5	21.1	340	34.192	010025305	1.333,25

SIMODUAL² Transition fitting PE/PE

SIMONA

5.2.1



Material

PE/PE

Colour

black/black

Remark

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.

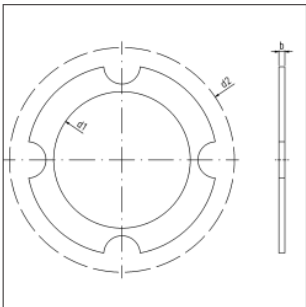
Art.code: PE/PE—DOUS-KKKS-IND—SW09500—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le1 (mm)	le2 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	80	140	0.380	010025316	134,60
11	17	63	110	5.8	6.6	30	85	145	0.590	010025317	152,10
11	17	90	160	8.2	9.5	40	105	185	1.580	010025318	192,75
11	17	110	180	10	10.7	40	110	190	2.060	010025319	288,90
11	17	160	250	14.6	14.8	40	130	210	4.620	010025320	375,05
11	17	200	315	18.2	18.7	40	150	230	8.430	010025321	559,20
11	17	225	355	20.5	21.1	50	165	265	12.020	010025322	554,10



Product image for illustration purposes only.



Material
PE 100

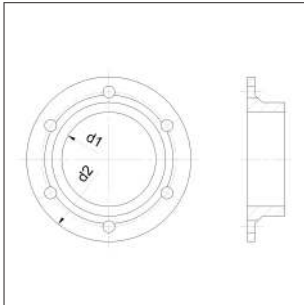
Colour
black

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

5.2.1

Art.code: PE0100—DOAH—IND—SW09500—							0802
SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	b (mm)	kg/piece	Art. No.	€ / Stk
11	17	32.3	74.2	15	0.050	010025226	28,50
11	17	63.4	91.8	15	0.060	010025227	31,70
11	17	90.6	134	20	0.180	010025228	37,05
11	17	110.7	151.6	20	0.200	010025229	46,85
11	17	161	213.4	25	0.650	010025230	66,35
11	17	201.2	267.6	30	1.100	010025231	94,45
11	17	226.4	302.8	30	1.400	010025232	103,80

5.2.1



Material

PE 100

Colour

black

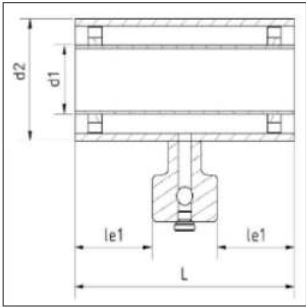
Remark

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

Product image for illustration purposes only.

Art.code: PE0100—DOAP—IND—SW09500—						0802	
d1 (mm)	d2 (mm)	e (mm)	e1 (mm)	e2 (mm)	kg/piece	Art. No.	€ / Stk
90	32	5.4	7	7	0.060	023700067	6,70
110	63	6.6	7	7	0.080	023700068	7,85
160	90	9.5	9.5	9.5	0.200	023700069	11,40
180	110	11.9	11.9	11.9	0.240	010024742	17,25
200	110	11.9	11.9	11.9	0.380	023700070	18,75
225	355				2.000	010024743	69,50
250	160	14.6	14.6	14.6	0.400	023700071	21,45
315	200	18.2	18.2	18.2	1.400	023700072	37,10

SIMODUAL² Leak adaptor piece PE/PE



Material
PE/PE

Colour
black/black

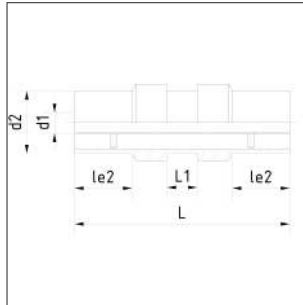
Remark
Cascade welding Interior: Heated-tool butt welding Exterior: Electrofusion socket welding
Matching leakage monitoring systems available on request For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

5.2.1

Product image for illustration purposes only.

Art.code: PE/PE—DOUS-KKKS-IND-LC-SW09500—										0802
SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	le1 (mm)	e1 (mm)	e2 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	80	3	5.4	260	1.648	010025345	175,50
11	17	63	110	90	5.8	6.6	280	2.109	010025346	186,05
11	17	90	160	100	8.2	9.5	300	4.438	010025347	216,15
11	17	110	180	110	10	10.7	320	7.697	010025348	243,55
11	17	160	250	130	14.6	14.8	360	14.704	010025349	325,10
11	17	200	315	150	18.2	18.7	400	30.255	010025350	439,35
11	17	225	355	170	20.5	21.1	440	27.503	010025351	502,45

5.2.1

**Material**

PE/PE

Colour

black/black

Remark

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"

Art.code: PE/PE—DOFP-KKROSIND—SW09500—

0802

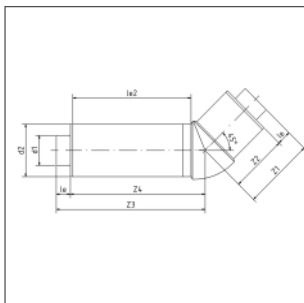
SDR	SDR2	d1	d2	e1	e2	le2	Empty category	Length	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	32	90	3	5.4	80	42	300	1.765	010025359	170,75
11	17	63	110	5.8	6.6	85	52	320	2.835	010025360	193,35
11	17	90	160	8.2	9.5	100	52	350	6.625	010025361	261,45
11	17	110	180	10	10.7	110	52	370	8.926	010025362	335,70
11	17	160	250	14.6	14.8	130	62	430	17.910	010025363	434,10
11	17	200	315	18.2	18.7	150	62	470	34.390	010025364	634,65
11	17	225	355	20.5	21.1	165	62	500	44.185	010025365	848,25

■	5	SIMODUAL²	5.2	PE/PE Fittings	5.2.2
			5.2.2	PE/PE Fittings with elongated spigots	
				SIMODUAL ² Bends 45 ° , extended PE/PE	158
				SIMODUAL ² Bends 90 ° , extended PE/PE	159
				SIMODUAL ² Tees, extended PE/PE	160
				SIMODUAL ² Electrofusion socket, extended	161

SIMODUAL² Bends 45°, extended PE/PE

SIMONA

5.2.2



Material

PP/PE

Colour

black/black

Remark

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.

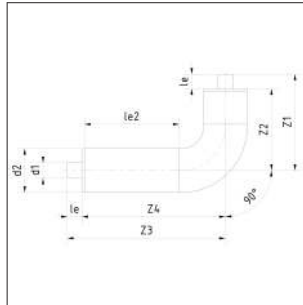
Art.code: PE/PE—DOB045KKLSIND—SW09500—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le (mm)	le2 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	z4 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	195	140	105	275	240	0.563	010025756	191,05
11	17	63	110	5.8	6.6	30	234	156	121	321	286	1.250	010025757	354,75
11	17	90	160	8.2	9.5	40	276	240	190	406	356	5.450	010025758	637,30
11	17	110	180	10	10.7	40	297	246	196	433	383	5.332	010025759	774,15
11	17	160	250	14.6	14.8	40	310	275	220	500	445	13.353	010025760	1.488,85
11	17	200	315	18.2	18.7	40	356	305	250	556	501	25.140	010025761	2.160,35
11	17	225	355	20.5	21.1	50	432	430	365	702	637	42.726	010025762	3.122,30

SIMODUAL² Bends 90°, extended PE/PE

SIMONA



Material

PE/PE

Colour

black/black

Remark

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"

5.2.2

Product image for illustration purposes only.

Art.code: PE/PE—DOB090KKLSIND—SW09500—

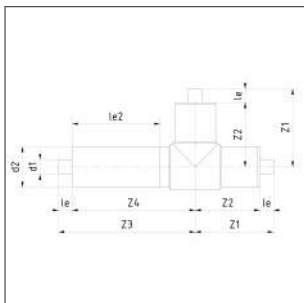
0802

SDR	SDR2	d1	d2	e1	e2	le	le2	z1	z2	z3	z4	kg/piece	Art. No.	€/ Stk
(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	32	90	3	5.4	30	195	198	168	325	295	1.768	010025742	194,75
11	17	63	110	5.8	6.6	30	234	223	193	384	354	1.834	010025743	346,90
11	17	90	160	8.2	9.5	40	276	298	258	493	453	6.490	010025744	579,30
11	17	110	180	10	10.7	40	305	340	300	585	545	7.154	010025745	743,35
11	17	160	250	14.6	14.8	40	310	420	380	691	651	19.246	010025746	1.327,40
11	17	200	315	18.2	18.7	40	356	510	470	731	691	32.720	010025747	2.160,35
11	17	225	355	20.5	21.1	50	432	612	562	877	827	53.546	010025748	3.121,75

SIMODUAL² Tees, extended PE/PE

SIMONA

5.2.2



Material

PE/PE

Colour

black/black

Remark

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"

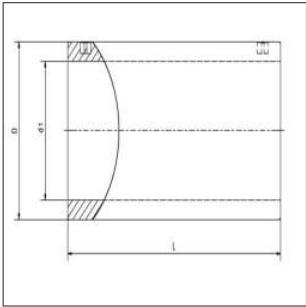
Product image for illustration purposes only.

Art.code: PE/PE—DOTS—KKLSIND—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le1 (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	172	142	2.414	010025770	304,35
11	17	63	110	5.8	6.6	30	196	166	3.374	010025771	494,15
11	17	90	160	8.2	9.5	40	256	216	8.499	010025772	784,05
11	17	110	180	10	10.7	40	310	270	12.960	010025773	1.066,70
11	17	160	250	14.6	14.8	40	343	303	27.693	010025774	1.984,90
11	17	200	315	18.2	18.7	40	401	361	54.251	010025775	2.967,85
11	17	225	355	20.5	21.1	50	473	423	69.478	010025776	4.168,20

SIMODUAL² Electrofusion socket, extended



Material
PE 100

Colour
black

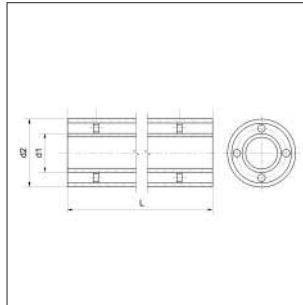
Remark
Suitable for welding in spaces with constrained points For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

5.2.2

Art.code: PE0100—DOMU-EMLS-IND—SW09500—					0802	
d	d1	Length	kg/piece	Art. No.	€ / Stk	
(mm)	(mm)	(mm)				
90	90	185	1.363	010025373	161,50	
110	110	224	2.001	010025374	176,65	
160	160	266	4.500	010025375	231,35	
180	180	287	6.082	010025376	257,90	
250	250	299	12.297	010025377	350,05	
315	315	346	22.672	010025378	483,30	
355	355	422	33.188	010025379	606,00	

■	5	SIMODUAL ²	5.3	PP/PE Pipes	5.3
				SIMODUAL ² Pipe modules PP/PE	164

5.3

**Material**

PP/PE

Colour

grey/black

Dimensions

Individual components in accordance with DIN EN ISO 15494, standard length 5 m (PP/PE)

Remark

Cascade welding; Inner pipe: Heated-tool butt welding; Outer pipe: Electrofusion socket welding; Including spacer

Product image for illustration purposes only.

Art.code: PP/PE—DORO—IND—GR09515—

0801

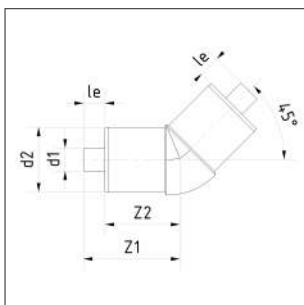
SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	Length (mm)	Weight (kg/m)	kg/piece	Art. No.	€/m
11	17	32	90	3	5.4	5000	2.2	10.980	010025247	55,25
11	17	63	110	5.8	6.6	5000	3.88	19.390	010025248	71,20
11	17	90	160	8.2	9.5	5000	7.88	39.410	010025249	113,05
11	17	110	180	10	10.7	5000	10.32	51.594	010025250	142,00
11	17	160	250	14.6	14.8	5000	20.62	103.119	010025251	308,35
11	17	200	315	18.2	18.7	5000	39.1	195.522	010025252	349,10
11	17	225	355	20.5	21.1	5000	40.94	204.714	010025253	396,70

■	5	SIMODUAL²	5.4	PP/PE Fittings	5.4.1
			5.4.1	PP/PE Fittings with short spigots	
				SIMODUAL ² Bends 45 ° PP/PE	166
				SIMODUAL ² Bends 90 ° PP/PE	167
				SIMODUAL ² Tees PP/PE	168
				SIMODUAL ² Reducers concentric PP/PE	169
				SIMODUAL ² Transition fitting PP/PE	170
				SIMODUAL ² Fixing Points for Pipe Clamp	171

SIMODUAL² Bends 45° PP/PE

SIMONA

5.4.1



Material

PP/PE

Colour

grey/black

Remark

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.

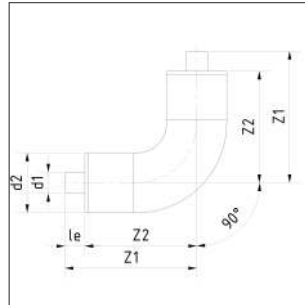
Art.code: PP/PE—DOB045KKKSIND—GR09515—

0802

SDR	SDR2	d1	d2	e1	e2	le	z1	z2	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	32	90	3	5.4	30	105	90	0.555	010025275	173,70
11	17	63	110	5.8	6.6	30	122	88	1.227	010025276	322,50
11	17	90	160	8.2	9.5	40	185	105	3.527	010025277	579,25
11	17	110	180	10	10.7	40	190	121	5.199	010025278	703,90
11	17	160	250	14.6	14.8	40	210	190	13.005	010025279	1.353,25
11	17	200	315	18.2	18.7	40	250	207	23.750	010025280	1.963,85
11	17	225	355	20.5	21.1	50	325	210	50.110	010025281	2.838,40

SIMODUAL² Bends 90° PP/PE

SIMONA



Material

PP/PE

Colour

grey/black

Remark

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"

5.4.1

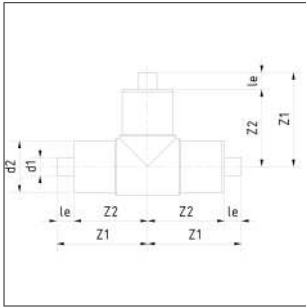
Product image for illustration purposes only.

Art.code: PP/PE—DOB090KKKSIND—GR09515—

0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le (mm)	z1 (mm)	z2 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	198	168	0.704	010025261	176,40
11	17	63	110	5.8	6.6	30	223	193	1.642	010025262	299,20
11	17	90	160	8.2	9.5	40	298	258	4.360	010025263	526,60
11	17	110	180	10	10.7	40	330	290	6.649	010025264	675,75
11	17	160	250	14.6	14.8	40	420	380	16.276	010025265	1.206,80
11	17	200	315	18.2	18.7	40	510	470	30.678	010025266	1.963,85
11	17	225	355	20.5	21.1	50	612	562	54.100	010025267	2.839,15

5.4.1



Material
PP/PE

Colour
grey/black

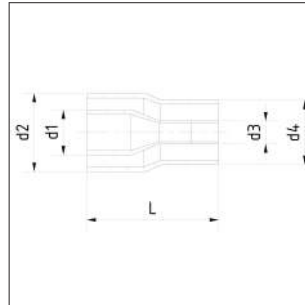
Remark
Cascade welding; Interior: Heated-tool butt welding; Exterior: Electrofusion socket welding; Fitting equipped with anchor points as standard; For assembly instructions please have a look in our brochure "SIMODUAL² Industrial Double-Containment Piping System"

Product image for illustration purposes only.

Art.code: PP/PE—DOTS—KKKSIND—GR09515—										0802	
SDR	SDR2	d1	d2	e1	e2	le1	z1	z2	kg/piece	Art. No.	€ / Stk
(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	32	90	3	5.4	30	172	142	1.088	010025289	276,55
11	17	63	110	5.8	6.6	30	196	166	2.366	010025290	449,35
11	17	90	160	8.2	9.5	40	256	216	6.300	010025291	712,65
11	17	110	180	10	10.7	40	310	270	9.884	010025292	969,90
11	17	160	250	14.6	14.8	40	343	303	20.094	010025293	1.803,80
11	17	200	315	18.2	18.7	40	401	361	39.979	010025294	2.698,00
11	17	225	355	20.5	21.1	50	473	423	54.137	010025295	3.788,95

SIMODUAL² Reducers concentric PP/PE

SIMONA



Material

PP/PE

Colour

grey/black

Remark

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"

5.4.1

Product image for illustration purposes only.

Art.code: PP/PE—DORZ-KK—IND—GR09515—

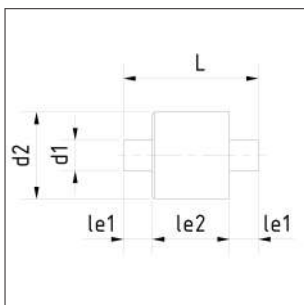
0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	e1 (mm)	e2 (mm)	kg/piece	Art. No.	€/ Stk
11	17	63	110	32	90	5.8	6.6	0.706	010025306	237,65
11	17	90	160	63	110	8.2	9.5	1.651	010025307	278,60
11	17	110	180	63	110	10	10.7	2.327	010025308	341,70
11	17	110	180	90	160	10	10.7	2.905	010025309	387,30
11	17	160	250	90	160	14.6	14.8	5.446	010025310	465,60
11	17	160	250	110	180	14.6	14.8	6.055	010025311	561,10
11	17	200	315	110	180	18.2	18.7	46.129	010025312	969,55
11	17	200	315	160	250	18.2	18.7	11.467	010025313	694,30
11	17	225	355	160	250	20.5	21.1	32.393	010025314	1.285,45
11	17	225	355	200	315	20.5	21.1	38.278	010025315	1.333,25

SIMODUAL² Transition fitting PP/PE

SIMONA

5.4.1



Material

PP/PE

Colour

grey/black

Remark

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.

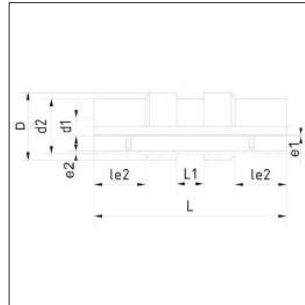
Art.code: PP/PE—DOUS-KKKS-IND—GR09515—

0802

SDR	SDR2 (SDR)	e1 (mm)	e2 (mm)	le1 (mm)	le2 (mm)	kg/piece	Art. No.	€ / Stk
11	17	3	5.4	30	80	0.400	010025324	302,55
11	17	5.8	6.6	30	85	0.610	010025325	328,85
11	17	8.2	9.5	40	105	1.630	010025326	397,70
11	17	10	10.7	40	110	2.120	010025327	550,30
11	17	14.6	14.8	40	130	4.750	010025328	671,05
11	17	18.2	18.7	40	150	8.700	010025329	750,20
11	17	20.5	21.1	50	165	12.400	010025330	861,05

SIMODUAL² Fixing Points for Pipe Clamp

SIMONA



Material

PP/PE

Colour

grey/black

Remark

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"

5.4.1

Art.code: PP/PE—DOFP-KKROSIND—GR09515—

0802

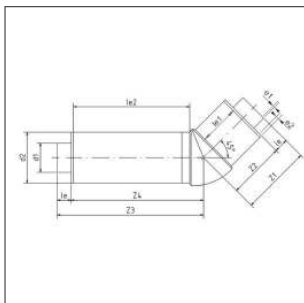
SDR	SDR2	D	d1	d2	e1	e2	Empty category	le2	Length	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	110	32	90	3	5.4	42	80	300	1.755	010025366	171,90
11	17	125	63	110	5.8	6.6	52	85	320	2.810	010025367	204,35
11	17	180	90	160	8.2	9.5	52	100	350	6.559	010025368	267,45
11	17	200	110	180	10	10.7	52	110	370	8.824	010025369	350,10
11	17	280	160	250	14.6	14.8	62	130	430	17.690	010025370	471,30
11	17	355	200	315	18.2	18.7	62	150	470	35.365	010025371	746,15
11	17	400	225	355	20.5	21.1	62	165	500	43.765	010025372	859,50

■	5	SIMODUAL²	5.4	PP/PE Fittings	5.4.2
			5.4.2	PP/PE Fittings with elongated spigots	
				SIMODUAL ² Bends 45 ° , extended PP/PE	174
				SIMODUAL ² Bends 90 ° , extended PP/PE	175
				SIMODUAL ² Tees, extended PP/PE	176
				SIMODUAL ² Leak adaptor piece PP/PE	177

SIMODUAL² Bends 45°, extended PP/PE

SIMONA

5.4.2



Material

PP/PE

Colour

grey/black

Remark

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.

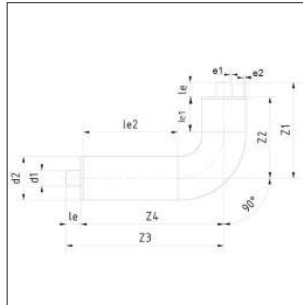
Art.code: PP/PE—DOB045KKLSIND—GR09515—

0802

SDR	SDR2	d1	d2	e1	e2	le	le1	le2	z1	z2	z3	z4	kg/piece	Art. No.	€ / Stk
(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	32	90	3	5.4	30	83	195	140	105	275	240	0.555	010025763	191,05
11	17	63	110	5.8	6.6	30	91	234	156	121	321	286	2.523	010025764	354,75
11	17	90	160	8.2	9.5	40	142	276	240	190	406	356	3.527	010025765	637,30
11	17	110	180	10	10.7	40	141	297	246	196	433	383	5.199	010025766	774,15
11	17	160	250	14.6	14.8	40	133	310	275	220	500	445	13.005	010025767	1.488,85
11	17	200	315	18.2	18.7	40	154	356	305	250	556	501	22.755	010025768	2.160,35
11	17	225	355	20.5	21.1	50	200	432	430	365	702	637	47.816	010025769	3.122,30

SIMODUAL² Bends 90°, extended PP/PE

SIMONA



Material

PP/PE

Colour

grey/black

Remark

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"

5.4.2

Product image for illustration purposes only.

Art.code: PP/PE—DOB090KKLSIND—GR09515—

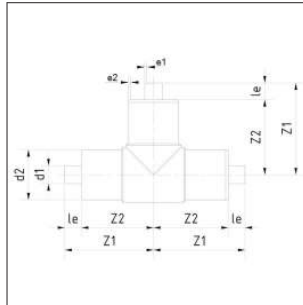
0802

SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	e1 (mm)	e2 (mm)	le (mm)	le1 (mm)	le2 (mm)	z1 (mm)	z2 (mm)	z3 (mm)	z4 (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	3	5.4	30	68	195	198	168	325	295	0.759	010025749	194,75
11	17	63	110	5.8	6.6	30	73	234	223	193	384	354	1.822	010025750	346,90
11	17	90	160	8.2	9.5	40	81	276	298	258	493	453	4.200	010025751	579,30
11	17	110	180	10	10.7	40	115	305	340	300	585	545	7.004	010025752	743,35
11	17	160	250	14.6	14.8	40	109	310	420	380	691	651	18.306	010025753	1.327,40
11	17	200	315	18.2	18.7	40	135	356	510	470	731	691	34.308	010025754	2.160,35
11	17	225	355	20.5	21.1	50	167	432	612	562	877	827	51.806	010025755	3.121,75

SIMODUAL² Tees, extended PP/PE

SIMONA

5.4.2



Material

PP/PE

Colour

grey/black

Remark

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"

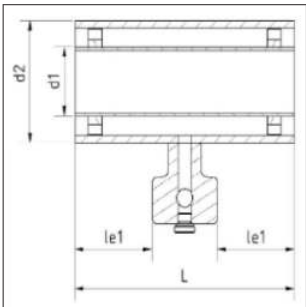
Product image for illustration purposes only.

Art.code: PP/PE—DOTS—KKLSIND—

0802

SDR	SDR2	d1	d2	e1	e2	le1	z1	z2	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	17	32	90	3	5.4	30	172	142	2.392	010025777	304,35
11	17	63	110	5.8	6.6	30	196	166	4.607	010025778	494,15
11	17	90	160	8.2	9.5	40	256	216	8.594	010025779	784,05
11	17	110	180	10	10.7	40	310	270	13.056	010025780	1.066,70
11	17	160	250	14.6	14.8	40	343	303	21.494	010025781	1.984,90
11	17	200	315	18.2	18.7	40	401	361	42.779	010025782	2.967,85
11	17	225	355	20.5	21.1	50	473	423	52.774	010025783	4.168,20

SIMODUAL² Leak adaptor piece PP/PE



Material
PP/PE

Colour
grey/black

Remark
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"

5.4.2

Product image for illustration purposes only.

Art.code: PP/PE—DOUS-KKKS-IND-LC-GR09515—								0802
SDR	SDR2 (SDR)	d1 (mm)	d2 (mm)	le1 (mm)	Length (mm)	kg/piece	Art. No.	€ / Stk
11	17	32	90	80	260	1.940	010025352	175,50
11	17	63	110	90	280	2.978	010025353	186,05
11	17	90	160	100	300	6.353	010025354	216,15
11	17	110	180	110	320	11.961	010025355	243,55
11	17	160	250	130	360	17.517	010025356	325,10
11	17	200	315	150	400	26.681	010025357	439,35
11	17	225	355	170	440	35.174	010025358	502,45

■	5	SIMODUAL ²	5.5	PVDF/PE Pipes	5.5
				SIMODUAL ² Pipe Module PVDF/PE	180

Material

PE/PE

Colour**Remark**

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"

Art.code: PVDF/PE—DORO—IND—NA09516—

SDR	SDR2	d1	d2	e1	e2	Length	kg/piece	Art. No.	€/m
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	5000	10.980	010041577	*
21	17	63	110	3	6.6	5000	19.390	010041579	*
21	17	90	160	4.3	9.5	5000	39.410	010041580	*
21	17	110	180	5.3	10.7	5000	51.594	010041601	*

* on request

■	5	SIMODUAL²	5.6	PVDF/PE Fittings	5.6
				SIMODUAL ² PVDF/PE Bend	182
				SIMODUAL ² PVDF/PE Bend, elongated on one side	183
				SIMODUAL ² PVDF/PE Transition fitting, short	184
				SIMODUAL ² Fixing Points for Pipe Clamp PVDF/PE	185
				SIMODUAL ² PVDF/PE Tee	186
				SIMODUAL ² PVDF/PE Tee, elongated on one side	187
				SIMODUAL ² PVDF/PE Reducer concentric	188
				SIMODUAL ² PVDF/PE Adapter with leakage control, short	189

Material

PE/PE

Colour**Remark**

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"

Art.code: PVDF/PE—DOB045KKKSIND—NA09516—

SDR	SDR2	d1	d2	e1	e2	le1	z1	z2	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	30	140	170	0.555	010041916	*
21	17	32	90	2.4	5.4	30	208	238	0.704	010041602	*
21	17	63	110	3	6.6	30	156	186	1.227	010041917	*
21	17	63	110	3	6.6	30	228	258	1.642	010041913	*
21	17	90	160	4.3	9.5	40	225	255	3.527	010041918	*
21	17	90	160	4.3	9.5	40	305	335	4.360	010041914	*
21	17	110	180	5.3	10.7	40	230	260	5.199	010041919	*
21	17	110	180	5.3	10.7	40	335	365	6.649	010041915	*

* on request

SIMODUAL² PVDF/PE Bend, elongated on one side**SIMONA****Material**

PE/PE

5.6**Colour****Remark**

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"

Art.code: PVDF/PE—DOBO45KKLSIND—NA09516—

SDR	SDR2	d1	d2	e1	e2	le1	le2	z1	z2	z3	z4	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	30	195	140	110	282	252	0.555	010041964	*
21	17	32	90	2.4	5.4	30	195	208	178	350	320	0.759	010041920	*
21	17	63	110	3	6.6	30	234	156	126	329	299	2.523	010041965	*
21	17	63	110	3	6.6	30	234	228	198	407	377	1.822	010041961	*
21	17	90	160	4.3	9.5	40	276	225	185	376	336	3.527	010041966	*
21	17	90	160	4.3	9.5	40	276	305	265	509	469	4.200	010041962	*
21	17	110	180	5.3	10.7	40	297	230	190	416	376	5.199	010041967	*
21	17	110	180	5.3	10.7	40	297	335	295	549	509	7.004	010041963	*

* on request

Material

PE/PE

Colour**Remark**

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"

Art.code: PVDF/PE—DOUS-KKKS-IND—NA09516—

SDR	SDR2	d1	d2	e1	e2	le1	le2	Length	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	30	80	140	0.400	010041968	*
21	17	63	110	3	6.6	30	85	145	0.610	010041969	*
21	17	90	160	4.3	9.5	40	105	185	1.630	010041970	*
21	17	110	180	5.3	10.7	40	110	190	2.120	010041971	*

* on request

Material

PE/PE

5.6**Colour****Remark**

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"

Art.code: PVDF/PE—DOFP-KKROSIND—SW09500—

SDR	SDR2	d1	d2	e1	e2	le2	Empty category	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	80	42	1.755	010041972	*
21	17	63	110	3	6.6	85	52	2.810	010041973	*
21	17	90	160	4.3	9.5	100	52	6.559	010041974	*
21	17	110	180	5.3	10.7	110	52	8.824	010041975	*

* on request

Material

PE/PE

Colour**Remark**

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"

Art.code: PVDF/PE—DOTS-KKKSIND—NA09516—

SDR	SDR2	d1	d2	e1	e2	le1	z1	z2	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	30	172	142	1.120	010041976	*
21	17	63	110	3	6.6	30	195	165	2.200	010041977	*
21	17	90	160	4.3	9.5	40	250	210	5.500	010041978	*
21	17	110	180	5.3	10.7	40	305	265	8.580	010041979	*

* on request

SIMODUAL² PVDF/PE Tee, elongated on one side

SIMONA

Material

PE/PE

Colour

Remark

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"

5.6

Art.code: PVDF/PE—DOTS—KKLSIND—NA09516—

SDR	SDR2	d1	d2	e1	e2	le1	z1	z2	z3	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	30	172	202	311	1.440	010041980	*
21	17	63	110	3	6.6	30	195	225	370	2.830	010041981	*
21	17	90	160	4.3	9.5	40	250	290	407	7.150	010041982	*
21	17	110	180	5.3	10.7	40	305	345	484	10.870	010041983	*

* on request

SIMODUAL² PVDF/PE Reducer concentric

SIMONA

5.6

Material

PE/PE

Colour

Remark

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"

Art.code: PVDF/PE—DORZ-KK-IND—NA09516—

SDR	SDR2	d1	d2	d3	d4	e1	e2	Length	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	63	110	2.4	5.4	185	0.706	010042452	*
21	17	63	110	90	160	3	6.6	252	1.651	010042454	*
21	17	63	110	110	180	3	6.6	275	2.327	010042455	*
21	17	90	160	110	180	4.3	9.5	279	0.706	010042456	*

* on request

SIMODUAL² PVDF/PE Adapter with leakage control, short

SIMONA

Material

PE/PE

Colour

Remark

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"

5.6

Art.code: PVDF/PE—DOUS-KKKS-IND-LC-NA09516—

SDR	SDR2	d1	d2	e1	e2	le1	Length	kg/piece	Art. No.	€ / Stk
	(SDR)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
21	17	32	90	2.4	5.4	80	260	1.940	010041984	*
21	17	63	110	3	6.6	90	280	2.978	010041985	*
21	17	90	160	4.3	9.5	100	300	6.353	010041986	*
21	17	110	180	5.3	10.7	110	320	11.961	010041987	*

* on request

■ 6 Flanges

6.1 Fittings for flange assemblies

6.1.1 Loose flanges

PP/Steel Loose flanges, ISO/DIN drilled	194
PP/Steel Loose flanges, ANSI drilled	196
PP/Steel Loose flanges, JIS drilled	197
Epoxy/Steel profile loose flanges, drilled as per ISO/DIN	198
PP/Steel Profiled loose flanges, ISO/DIN drilled	199
PP-EL/Steel Loose flanges, ISO/DIN drilled	200
PP/Steel Loose flanges for stub flanges for socket welding, ISO/DIN drilled	201
PP/Steel Loose flanges for stub flanges for socket welding, ANSI drilled	202

6.1.2 Blind flanges

PP/Steel Blind flanges, ISO/DIN drilled	204
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6.1.3 Gaskets

EPDM SI Profile gaskets for SI Flange connections	206
EPDM Flat gaskets for stub flanges	207
EPDM Profile gaskets for stub flanges	209
EPDM Profile gaskets for stub flanges for socket welding	211
NBR Profile gaskets for stub flanges	212
FPM Profile gaskets for stub flanges	213
FPM Flat gasket for stub flanges for socket welding	215
FPM Profile gaskets for stub flanges for socket welding	216

6.2 Accessories

Pipe clamps type B	218
Pipe clamps type C	219
Filling blocks for pipe clamps type B/type C	220

■ 6 Flanges

6.1 Fittings for flange assemblies

6.1.1

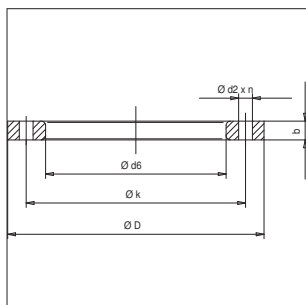
6.1.1 Loose flanges

PP/Steel Loose flanges, ISO/DIN drilled	194
PP/Steel Loose flanges, ANSI drilled	196
PP/Steel Loose flanges, JIS drilled	197
Epoxy/Steel profile loose flanges, drilled as per ISO/DIN	198
PP/Steel Profiled loose flanges, ISO/DIN drilled	199
PP-EL/Steel Loose flanges, ISO/DIN drilled	200
PP/Steel Loose flanges for stub flanges for socket welding, ISO/DIN drilled	201
PP/Steel Loose flanges for stub flanges for socket welding, ANSI drilled	202

PP/Steel Loose flanges, ISO/DIN drilled

SIMONA

6.1.1



Material

Polypropylene (PP) with glass-fibre reinforcement, steel insert

Dimensions

DIN EN ISO 15494/C, drilled PN 10/16 acc. to DIN EN 1092/1 (replaces ISO/DIN 2501)

Remark

Drilled PN 10/16 up to d 180 mm, > 180 mm drilled PN 10

Product image for illustration purposes only.

Art.code: schwarz/black/noir PP—LF—FLA—DN-SW09500—

0330

PN (bar)	d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	Load PN	Drilled PN	kg/piece	Art. No.	€ / Stk
16	20	14	4	12	95	65	27.5	16	10/16	0.251	013000021	17,35
16	25	14	4	12	105	75	34	16	10/16	0.315	013000022	19,45
16	32	14	4	16	115	85	42	16	10/16	0.455	013000023	24,05
16	40	18	4	18	140	100	50.5	16	10/16	0.700	013000024	28,50
16	50	18	4	18	150	110	61.5	16	10/16	0.789	013000025	34,60
16	63	18	4	17	165	125	77.5	16	10/16	0.880	013000026	43,10
16	75	18	4	22	185	145	91.5	16	10/16	1.296	013000027	48,70
16	90	18	8	20	200	160	108	16	10/16	1.220	013000028	58,35
16	110	18	8	20	223	180	128	16	10/16	1.509	013000029	79,75
16	125	18	8	20	223	180	134.5	16	10/16	1.525	013000030	79,75
16	140	18	8	24	250	210	157.5	16	10/16	2.393	013000031	99,90
16	160	22	8	24	285	240	178	16	10/16	3.500	013000032	122,90
16	180	22	8	24	285	240	187.5	16	10/16	3.184	013000033	122,90
10	200	22	8	24	340	295	235.5	10	10	4.500	013000034	177,65
10	225	22	8	24	340	295	238	10	10	4.142	013000035	177,65
10	250	22	12	30	403	350	287.5	10	10	7.288	013000036	215,65
10	280	22	12	30	405	350	294	10	10	6.350	013000037	215,65
10	315	22	12	34	460	400	337.5	10	10	9.855	013000038	330,00
10	355	22	16	39	505	460	376	10	10	15.581	013000039	624,35
10	400	26	16	44	570	515	429.5	10	10	19.885	013000040	710,45
10	450	26	20	44	670	620	517	10	10	26.008	013000041	994,15
10	500	26	20	44	670	620	532.5	10	10	25.308	013000042	994,15

d 20 up d 225 also for PVDF piping systems

Art.code: grau/grey/gris PP—LF—FLA—DN-GR09300—

0330

PN (bar)	d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	Load PN	Drilled PN	kg/piece	Art. No.	€ / Stk
16	20	14	4	12	95	65	27.5	16	10/16	0.249	013000001	17,35
16	25	14	4	12	105	75	34	16	10/16	0.279	013000002	19,45
16	32	14	4	16	115	85	42	16	10/16	0.469	013000003	24,05
16	40	18	4	18	140	100	50.5	16	10/16	0.684	013000004	28,50
16	50	18	4	18	150	110	61.5	16	10/16	0.788	013000005	34,60
16	63	18	4	17	165	125	77.5	16	10/16	0.919	013000006	43,10
16	75	18	4	22	185	145	91.5	16	10/16	1.255	013000007	48,70
16	90	18	8	20	200	160	108	16	10/16	1.317	013000008	58,35
16	110	18	8	20	223	180	128	16	10/16	1.567	013000009	79,75
16	125	18	8	20	223	180	134.5	16	10/16	1.551	013000010	79,75
16	140	18	8	24	250	210	157.5	16	10/16	2.342	013000011	99,90
16	160	22	8	24	285	240	177.5	16	10/16	3.659	013000012	122,90
16	180	22	8	24	285	240	188	16	10/16	3.091	013000013	122,90
10	200	22	8	24	340	295	235.5	10	10	4.744	013000014	177,65

* on request

d 20 up d 225 also for PVDF piping systems

PP/Steel Loose flanges, ISO/DIN drilled



Art.code: grau/grey/gris PP—LF—FLA—DN-GR09300—

0330

6.1.1

PN (bar)	d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	Load PN	Drilled PN	kg/piece	Art. No.	€ / Stk
10	225	22	8	24	340	295	238	10	10	4.168	013000015	177,65
10	250	22	12	30	403	350	288	10	10	7.140	013000016	215,65
10	280	22	12	30	405	350	294	10	10	7.057	013000017	215,65
10	315	22	12	34	462	400	337.5	10	10	10.104	013000018	330,00
10	355	22	16	39	505	460	376	10	10	15.529	013000019	624,35
10	400	26	16	44	570	515	429.5	10	10	19.886	013000020	710,45
10	450	26		44	670	620	517		10	25.823	013000207	*
10	500	26		44	670	620	532.5		10	25.344	013000208	*

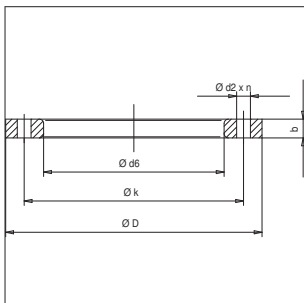
* on request

d 20 up d 225 also for PVDF piping systems

PP/Steel Loose flanges, ANSI drilled

SIMONA

6.1.1



Material

Polypropylene (PP) with glass-fibre reinforcement, steel insert

Colour

grey

Dimensions

ANSI B 16.5 150 lbs

Remark

Drilled for ANSI B16.5 - 150 lbs d20 - d90 + d450 special ANSI stub flange required

Product image for illustration purposes only.

Art.code: PP—LF—FLA—AN-GR09300—

0330

d	d2	Amount n	b	D	k	d6	Load PN	Load lbs	Connection inch	kg/piece	Art. No.	€/ Stk
(mm)	(mm)		(mm)	(mm)	(mm)	(mm)			(")			
20	15.9	4	12	93	60.3	28	10	150	1/2	0.219	013000047	27,60
25	15.9	4	12	105	69.8	33.5	10	150	3/4	0.265	013000048	32,60
32	15.9	4	16	112	79.4	41.5	10	150	1	0.445	013000049	38,90
40	15.9	4	16	130	88.9	50.5	10	150	1 1/4	0.602	013000050	45,90
50	15.9	4	18	132	98.4	61.5	10	150	1 1/2	0.660	013000051	55,50
63	20	4	18	160	120.6	77.5	10	150	2	0.827	013000052	67,30
75	19	4	18	178	139.7	88.5	10	150	2 1/2	1.184	013000053	84,40
90	19	4	18	190	152.4	107.5	10	150	3	1.083	013000054	94,95
110	19	8	18	229	190.5	133	10	150	4	1.766	013000055	117,05
160	22	8	24	279	241.3	181.5	10	150	6	2.602	013000056	215,00
200	22	8	24	342.9	298.4	235.5	10	150	8	4.811	013000057	313,45
250	25	12	30	406	361.9	293	10	150	10	6.024	013000058	411,40
315	25.4	12	34	483	431.8	337.5	10	150	12	12.213	013000059	609,65
355	28.6	12	38	540	476.2	375.5	10	150	14	19.160	013000074	1.154,30
400	28.6	16	44	597	539.7	429	10	150	16	25.075	013000209	1.314,00
450	31.7	16	49	640	577.8	462.3	10	150	18	36.018	010037186	1.654,70
500	31.7	20	51	708	635	540	10	150	20	37.773	010022575	1.654,70

d 20 up d 200 also for PVDF piping systems;

d 110 mm (4") also for d 125 mm (4");

d 140 mm (ISO/DIN) also for d 140 mm (ANSI 5"), by using bolts ISO/DIN;

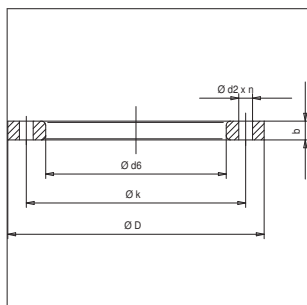
d 160 mm (6") also for d 180 mm (6");

d 200 mm (8") also for d 225 mm (8");

d 250 mm (10") also for d 280 mm (10")

PP/Steel Loose flanges, JIS drilled

SIMONA



Material

Polypropylene (PP) with glass-fibre reinforcement, steel insert

Dimensions

JIS B 2220 - 10 K

Remark

Drilled for JIS B 2220 - 10 K

6.1.1

Product image for illustration purposes only.

Art.code: grau/grey/gris PP—LF—FLA—JI-GR09300—

0330

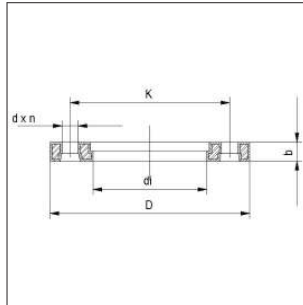
d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	PN (bar)	Load K	kg/piece	Art. No.	€ / Stk
20	15	4	12	95	70	28	16	10	0.185	013000326	27,60
25	15	4	12	100	75	34.5	16	10	0.230	013000327	32,60
32	19	4	16	125	90	42.5	16	10	0.469	013000328	38,90
40	19	4	18	135	100	51	16	10	0.578	013000329	45,90
50	19	4	18	140	105	62	16	10	0.727	013000330	55,50
63	19	4	18	155	120	78	16	10	0.803	013000331	67,30
75	19	4	18	175	140	92	16	10	1.166	013000332	84,40
90	19	8	18	185	150	108	16	10	1.120	013000333	94,95
110	19	8	20	210	175	134	16	10	0.805	013000334	117,05
140	23	8	24	250.5	210	158	16	10	2.310	013000335	166,35
160	22.5	8	24	280	240	178	16	10	3.103	013000336	215,00
225	23	12	24	330	290	240	16	10	3.504	013000337	411,40

d 110 also applicable for d 125

Epoxy/Steel profile loose flanges, drilled as per ISO/DIN

SIMONA

6.1.1



Material

steel insert with epoxy coating

Colour

black

Dimensions

drilled PN 10/16 acc. to, DIN EN 1092/1
(replaces ISO/DIN 2501)

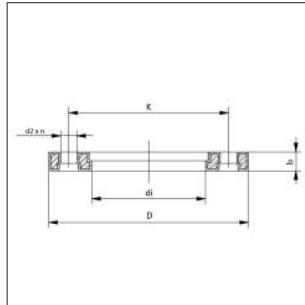
Art.code: EPOXY—LF—PRO—DN-SW09500—

0331

d (mm)	Amount n	D (mm)	di (mm)	k (mm)	b (mm)	Drilled PN	Load PN	kg/piece	Art. No.	€ / Stk
710	24	900	740	840	45	10	6	36.400	010030399	2.107,45
800	24	1015	843	950	53	10	6	50.500	010030400	3.033,40
900	28	1115	947	1050	56	10	6	55.800	010030401	3.401,55
1000	28	1230	1050	1160	62	10	6	71.100	010030402	4.390,00
1200	32	1455	1260	1380	68	10	4	101.000	010030403	6.361,35

PP/Steel Profiled loose flanges, ISO/DIN drilled

SIMONA



Material

Polypropylene (PP) with glass-fibre reinforcement, steel insert

Colour

black

Dimensions

DIN EN ISO 15494/C, drilled PN 10/16 acc. to DIN EN 1092/1 (replaces ISO/DIN 2501)

Remark

flat side = connection with bolts, shaped side = connection for stub flange

6.1.1

Product image for illustration purposes only.

Art.code: PP—LF—PRO—DN-SW09500—

0331

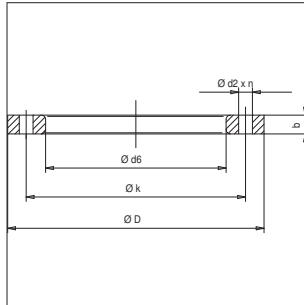
d (mm)	Amount n	D (mm)	di (mm)	k (mm)	b (mm)	Drilled PN	Load PN	kg/piece	Art. No.	€ / Stk
50	4	154	61,5	110	17	10/16	16	1.186	013000253	34,60
63	4	169	77,5	125	17	10/16	16	1.053	013000254	43,10
75	4	189	91,5	145	17	10/16	16	1.696	013000255	48,70
90	8	203	107,5	160	18	10/16	16	1.348	013000256	58,35
110	8	223	127,5	180	20	10/16	16	1.721	013000257	79,75
125	8	223	134,5	180	20	10/16	16	1.611	013000258	79,75
140	8	254	157,5	210	21	10/16	16	2.432	013000259	99,90
160	8	289	177,5	240	23	10/16	16	2.524	013000260	122,90
180	8	290	187,5	240	23	10/16	16	3.453	013000261	122,90
200	12	344	235	295	28	16	16	3.843	013000262	186,80
225	12	344	238	295	28	16	16	3.666	013000263	186,80
250	12	410	288	355	33	16	16	5.696	013000264	226,95
280	12	410	294	355	33	16	16	5.905	013000265	226,95
315	12	467	338	410	40	16	16	9.718	013000266	346,75
355	16	531	376	470	50	16	16	14.998	013000267	655,85
400	16	595	430	525	54	16	16	18.395	013000268	746,45
450	20	692	517	620	54	10	10	23.550	013000287	994,15
450	20	731	517	650	59	16	16	23.550	010037454	1.098,40
500	20	685	533	620	54	10	10	23.568	013000288	994,15
500	20	731	533	650	59	16	16	23.568	010037455	1.098,40
560	20	810	618	725	65	10	10	34.753	013000289	1.783,50
560	20	858	618	770	68	16	16	34.753	010037456	1.970,55
630	20	810	645	725	66	10	10	29.124	013000290	1.783,50
630	20	858	645	770	68	16	16	29.124	010037457	1.970,55
710	24	912	740	840	49	10	6	28.600	010030404	3.927,25
800	24	1026	843	950	58	10	6	39.300	010030405	5.683,95
900	28	1129	947	1050	62	10	6	48.500	010030406	6.685,30
1000	28	1245	1050	1160	70	10	6	60.000	010030407	10.337,15

designed for PN 16; Flanges PN 10, see PP/Steel Loose flanges

PP-EL/Steel Loose flanges, ISO/DIN drilled

SIMONA

6.1.1



Material

PP-EL electrically conductive, with steel insert

Colour

black

Dimensions

DIN EN ISO 15494/C

Remark

Drilled PN 10/16 up to d 180 mm, > 180 mm drilled PN 10

Product image for illustration purposes only.

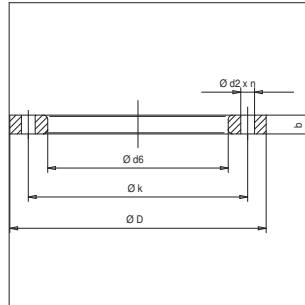
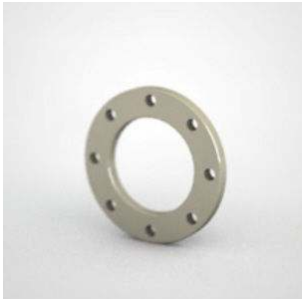
Art.code: PP—EL—LF—FLA—DN-SW09500—

0333

d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	Drilled PN	Load PN	kg/piece	Art. No.	€ / Stk
32	14	4	16	115	85	42	10/16	16	0.473	013000081	40,90
40	18	4	18	140	100	50.5	10/16	16	0.705	013000082	48,15
50	18	4	18	150	110	61.5	10/16	16	0.811	013000083	58,85
63	18	4	17	165	125	77.5	10/16	16	0.923	013000084	72,70
75	18	4	18	185	145	91.5	10/16	16	1.282	013000085	82,65
90	18	8	20	200	160	108	10/16	16	1.343	013000086	98,85
110	18	8	20	223	180	128	10/16	16	1.630	013000087	135,10
125	18	8	20	220	180	134.5	10/16	16	1.592	013000088	135,10
140	18	8	24	250	210	157.5	10/16	16	2.403	013000089	169,35
160	22	8	24	285	240	178	10/16	16	3.664	013000090	209,00
180	22	8	24	285	240	187.5	10/16	16	3.192	013000091	209,00
200	22	8	24	340	295	236.5	10	10	4.775	013000092	301,65
225	22	8	24	340	295	239.5	10	10	4.235	013000093	301,65
250	22	12	30	409	350	288	10	10	7.270	013000094	366,25
315	23	12	34	463	400	338	10	10	9.947	013000096	560,45
355	22	16	39	505	460	375.5	10	10	15.581	013000097	1.060,00
400	26	16	44	567	515	429.5	10	10	20.445	013000240	1.207,05
450	26	20	44	670	620	516.5	10	10	25.150	013000350	1.687,85
500	26	20	44	670	620	532.5	10	10	25.970	013000351	1.687,85

PP/Steel Loose flanges for stub flanges for socket welding, ISO/DIN drilled

SIMONA



Material

Polypropylene (PP) with glass-fibre reinforcement, steel insert

Dimensions

DIN EN ISO 15494/C

Remark

For diameters 20 up to 75 ISO/DIN loose flanges for stub flanges can be used

6.1.1

Product image for illustration purposes only.

Art.code: grau/grey/gris PP—LF—MSFLA—DN-GR09300—

0330

d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	Drilled PN	Load PN	kg/piece	Art. No.	€/ Stk
90	18	8	20	200	160	110	10/16	16	1.303	013000043	58,35
110	18	8	20	220	180	133	10/16	16	1.509	013000044	79,75

Art.code: schwarz/black/noir PP—LF—MSFLA—DN-SW09500—

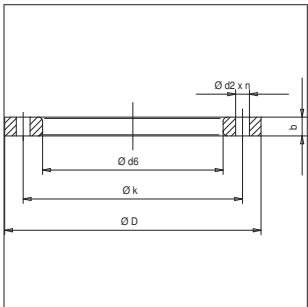
0330

d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	d6 (mm)	Drilled PN	Load PN	kg/piece	Art. No.	€/ Stk
90	18	8	20	200	160	110	10/16	16	1.284	013000045	58,35
110	18	8	20	220	180	133	10/16	16	1.514	013000046	79,75

PP/Steel Loose flanges for stub flanges for socket welding, ANSI drilled

SIMONA

6.1.1



Material
Polypropylene (PP) with glass-fibre reinforcement, steel insert

Colour
black

Remark
Drilled acc. to ANSI B 16,5 - 150lbs, for diameters 20 up to 75 loose flanges for stub flanges, ANSI drilled can be used

Product image for illustration purposes only.

Art.code: PP—LF—MSFLA—AN-SW09500—										0330	
d	d2	Amount n	b	D	k	d6	Load lbs	Connection Inch	kg/piece	Art. No.	€ / Stk
(mm)	(mm)		(mm)	(mm)	(mm)	(mm)		(")			
90	19	8	18	190	152.4	107.5	150	3	0.821	013000410	94,95
110	18	8	18	227	190.5	127.5	150	4	1.741	013000411	117,05

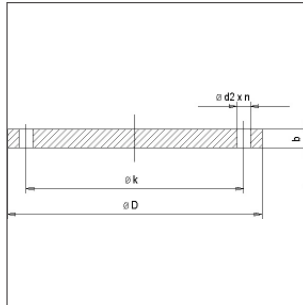
d 90 up d 110 also for PVDF piping systems

■	6 Flanges	6.1 Fittings for flange assemblies	6.1.2
		6.1.2 Blind flanges	
		PP/Steel Blind flanges, ISO/DIN drilled	204

PP/Steel Blind flanges, ISO/DIN drilled

SIMONA

6.1.2



Material

Polypropylene (PP) with glass-fibre reinforcement, steel insert

Colour

black, grey on request

Dimensions

DIN EN ISO 15494/C, drilled PN 10, DIN EN 1092/1 (replaces ISO/DIN 2501)

Remark

Drilled PN 10/16 up to d 180 mm

Product image for illustration purposes only.

Art.code: PP—BF—FG—DN—SW09500—

0332

d (mm)	d2 (mm)	Amount n	b (mm)	D (mm)	k (mm)	Drilled PN	Load PN	kg/piece	Art. No.	€/ Stk
20	14	4	12	95	65	10/16	10	0.290	013100003	108,60
25	18	4	14	108	75	10/16	10	0.380	013100004	109,40
32	14	4	18	115	85	10/16	10	0.656	013100005	112,40
40	18	4	17	140	100	10/16	10	0.830	013100006	115,60
50	18	4	18	150	110	10/16	10	1.199	013100007	136,10
63	18	4	18	165	125	10/16	10	1.366	013100008	147,80
75	18	4	18	185	145	10/16	10	1.699	013100009	173,10
90	18	8	20	200	160	10/16	10	2.223	013100010	187,40
110	18	8	20	220	180	10/16	10	2.907	013100011	236,85
125	18	8	20	220	180	10/16	10	2.959	013100012	236,85
140	18	8	24	250	210	10/16	10	4.449	013100013	313,55
160	22	8	22	285	240	10/16	10	7.383	013100014	388,35
180	22	8	24	285	240	10/16	10	7.421	013100015	388,35
200	22	8	24	340	295	10	10	11.037	013100016	432,90
225	22	8	24	340	295	10	10	10.988	013100017	432,90
250	22	12	30	395	350	10	10	16.699	013100018	576,60
280	22	12	30	395	350	10	10	16.699	013100019	576,60
315	22	12	34	445	400	10	10	25.299	013100020	834,45
355	22	16	40	510	460	10	10	39.000	013100021	1.663,45
400	26	16	45	565	515	10	10	50.400	013100022	1.901,25

■ 6 Flanges

6.1 Fittings for flange assemblies

6.1.3

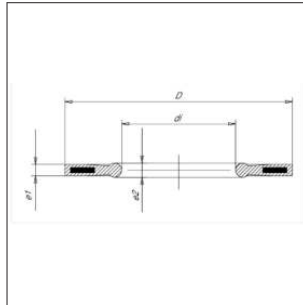
6.1.3 Gaskets

EPDM SI Profile gaskets for SI Flange connections	206
EPDM Flat gaskets for stub flanges	207
EPDM Profile gaskets for stub flanges	209
EPDM Profile gaskets for stub flanges for socket welding	211
NBR Profile gaskets for stub flanges	212
FPM Profile gaskets for stub flanges	213
FPM Flat gasket for stub flanges for socket welding	215
FPM Profile gaskets for stub flanges for socket welding	216

EPDM SI Profile gaskets for SI Flange connections

SIMONA

6.1.3



Material

EPDM

Colour

black

Execution

For stub flanges acc. to DIN EN ISO 15494/B
(PE) DIN EN ISO 15494/C (PP)

Remark

Suitable for flange connections up to PN 16

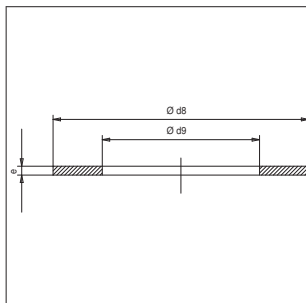
Art.code: EPDM—DICH-PDFVG/ST-KZ-SW09500—

0950

DN (mm)	PN (bar)	d1 (mm)	D (mm)	e1 (mm)	e2 (mm)	Art. No.	€ / Stk
700	10	810	810	8	11	010060925	228,80
800	10	915	915	8	11	010060926	287,70
900	10	1015	1015	8	11	010060927	324,25
700	16	805	805	8	11	010060929	227,70
800	16	910	910	8	11	010060930	293,65
900	16	1010	1010	8	11	010060931	327,50
1000	16	1125	1125	8	11	010060932	364,70
1000	10	1120	1120	8	11	010060933	343,40
1200	10	1341	1341	8	11	010060934	964,70
1200	16	1342	1342	8	11	010060935	974,35

EPDM Flat gaskets for stub flanges (SDR 17/11)

SIMONA



Material
EPDM

Execution

For stub flanges acc. to DIN EN ISO 15494/B
(PE) DIN EN ISO 15494/C (PP)

Remark

Suitable for flange connections up to 6 bar, For pressure ratings > 6 bar we recommend profile gaskets with steel insert

6.1.3

Product image for illustration purposes only.

Art.code: EPDM—DICH-FD—SW09500—											0950
SDR	d	d8	d9	e	di	b	Da	DN	kg/piece	Art. No.	€ / Stk
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
11	20	45	16	3.0	16	3	45	15	0.005	016900015	4,30
11	25	58	20	3.0	20	3	58	20	0.010	016900034	4,55
11	32	68	26	3.0	26	3	68	25	0.012	016900016	4,55
11	40	78	33	3.0	31	3	78	32	0.016	016900017	5,05
11	50	88	41	3.0	41	3	88	40	0.020	016900018	5,50
11	63	102	51	3.0	51	3	102	50	0.029	016900019	6,20
11	75	122	61	3.0	61	3	122	65	0.036	016900020	6,50
11	90	138	74	3.0	74	3	138	80	0.044	016900021	7,80
11	110	158	90	3.0	90	3	158	100	0.050	016900022	8,60
11	125	125	102	3.0	102	3	125	100	0.047	016900023	8,95
11	140	188	114	3.0	114	3	188	125	0.070	016900024	10,75
11	160	212	131	3.0	131	3	212	150	0.082	016900025	11,90
11	180	212	147	3.0	147	3	212	150	0.072	016900026	12,10
11	200	268	164	3.0	164	3	268	200	0.134	016900027	17,35
11	225	268	184	3.0	184	3	268	200	0.127	016900028	17,85
11	250	320	204	3.0	204	3	320	250	0.200	016900029	22,05
11	280	320	229	3.0	229	3	320	250	0.158	016900030	25,40
11	315	370	258	3.0	258	3	370	300	0.224	016900031	36,60
11	355	430	300	3.0	300	3	430	350	0.285	016900032	43,35
11	400	482	350	3.0	350	3	482	400	0.370	016900033	51,35
11	450	585	375	3.0		3		500	0.611	016900046	63,10
11	500	585	415	3.0		3		500	0.620	016900082	*
11	560	684	465	3.0		3		600	1.000	016900083	*
11	630	684	520	3.0		3		600	0.290	016900078	*
17	50	88	44	3.0	41	3	88	40	0.020	016900047	5,50
17	63	102	56	3.0	51	3	102	50	0.022	016900048	6,20
17	75	122	66	3.0	61	3	122	65	0.035	016900049	6,50
17	90	138	80	3.0	74	3	138	80	0.043	016900050	7,80
17	110	158	97	3.0	90	3	158	100	0.050	016900051	8,60
17	125	158	111	3.0	102	3	125	100	0.040	016900052	8,95
17	140	188	124	3.0	114	3	188	125	0.060	016900053	10,75
17	160	212	142	3.0	131	3	212	150	0.080	016900054	11,90
17	180	212	160	3.0	147	3	212	150	0.055	016900055	12,10
17	200	268	177	3.0	164	3	268	200	0.140	016900056	17,35
17	225	268	199	3.0	184	3	268	200	0.108	016900057	17,85
17	250	320	222	3.0	204	3	320	250	0.168	016900058	22,05
17	280	320	248	3.0	229	3	3203	250	0.120	016900059	25,40
17	315	370	279	3.0	258	3	370	300	0.180	016900060	36,60
17	355	430	315	3.0	300	3	430	350	0.280	016900061	43,35
17	400	482	354	3.0	350	3	482	400	0.346	016900062	48,40
17	450	584	405	3.0		3		500	0.570	016900084	*
17	500	584	450	3.0		3		500	0.542	016900087	*
17	560	684	505	3.0		3		600	0.345	016900088	*
17	630	684	565	3.0		3		600	0.480	016900089	*
17	710	800	635	3.0		3		700	0.725	016900090	*
17	800	905	715	3.0		3		800	1.030	016900091	*

* on request

Execution in SDR 17, also for SDR 17,6

EPDM Flat gaskets for stub flanges (SDR 17/11)



6.1.3

Art.code: EPDM—DICH-FD—SW09500—

0950

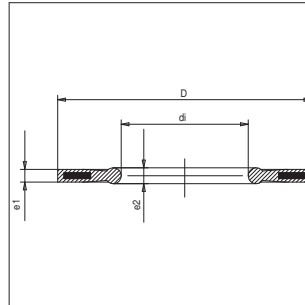
SDR	d (mm)	d8 (mm)	d9 (mm)	e (mm)	di (mm)	b (mm)	Da (mm)	DN (mm)	kg/piece	Art. No.	€ / Stk
17	900	1005	805	3.0		3		900	1.100	016900092	*
17	1000	1110	890	3.0		3		1000	1.250	016900093	*

* on request

Execution in SDR 17, also for SDR 17,6

EPDM Profile gaskets for stub flanges (SDR 33/17/11)

SIMONA



Material
EPDM

Colour
black

Execution

For stub flanges acc. to DIN EN ISO 15494/B
(PE) DIN EN ISO 15494/C (PP)

Remark

Suitable for flange connections up to PN 16,
Other dimensions on request

6.1.3

Product image for illustration purposes only.

Art.code: EPDM—DICH-PD—SW09500—

0950

SDR	d (mm)	di (mm)	e (mm)	e2 (mm)	kg/piece	Art. No.	€/ Stk
11	25	22	3.0	4	0.013	017000004	9,50
11	32	28	3.0	4	0.016	017000005	9,95
11	40	34	3.0	4	0.024	017000006	10,20
11	50	42	3.0	4	0.029	017000007	10,65
11	63	53	4.0	5	0.042	017000008	10,95
11	75	63	4.0	5	0.060	017000009	11,15
11	90	76	4.0	5	0.070	017000011	11,85
11	110	93	5.0	6	0.108	017000010	13,50
11	125	105	5.0	6	0.103	017000011	15,25
11	140	117	5.0	6	0.144	017000012	14,85
11	160	135	6.0	8	0.199	017000013	18,30
11	180	151	6.0	8	0.228	017000002	17,60
11	200	168	6.0	8	0.408	017000014	23,50
11	225	188	6.0	8	0.374	017000015	23,95
11	250	208	6.0	8	0.530	017000003	30,95
11	280	233	6.0	8	0.462	017000016	32,85
11	315	262	6.0	8	0.605	017000017	39,25
11	355	294	6.0	8	0.980	017000018	58,40
11	400	331	6.0	8	1.203	017000019	71,30
11	450	372	7.0	10	0.780	017000020	84,80
11	500	413	7.0	10	2.000	017000021	101,70
11	560	451	7.0	10	2.600	017000022	122,10
11	630	507	7.0	10	2.000	017000053	146,45
17	50	46	3.0	4	0.029	017000034	10,50
17	63	58	4.0	5	0.045	017000035	10,85
17	75	69	4.0	5	0.061	017000036	10,95
17	90	84	4.0	5	0.066	017000037	11,65
17	110	100	5.0	6	0.107	017000038	13,25
17	125	114	5.0	6	0.080	017000039	14,85
17	140	127	5.0	6	0.137	017000040	14,55
17	160	146	6.0	8	0.150	017000041	17,90
17	180	164	6.0	8	0.148	017000042	17,40
17	200	181	6.0	8	0.380	017000043	23,70
17	225	203	6.0	8	0.295	017000044	24,40
17	250	226	6.0	8	0.500	017000045	29,55
17	280	252	6.0	8	0.220	017000046	31,45
17	315	283	6.0	8	0.558	017000047	37,70
17	355	319	6.0	8	0.743	017000048	57,40
17	400	359	6.0	8	0.843	017000049	69,15
17	450	403	6.0	8	1.800	017000050	82,30
17	500	447	7.0	10	1.545	017000051	98,75
17	560	494	7.0	10	2.200	017000023	118,45
17	630	555	7.0	10	1.895	017000052	142,15
33	110	104	5.0	6	0.074	017000025	24,95
33	125	123	5.0	6	0.074	017000024	27,40
33	140	137	5.0	6	0.129	017000026	26,80
33	160	156	6.0	8	0.174	017000027	32,40

Execution in SDR 17, also for SDR 17,6

EPDM Profile gaskets for stub flanges (SDR 33/17/11)



6.1.3

Art.code: EPDM—DICH-PD—SW09500—

0950

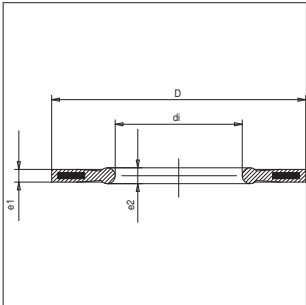
SDR	d (mm)	di (mm)	e (mm)	e2 (mm)	kg/piece	Art. No.	€ / Stk
33	180	177	6.0	8	0.360	017000028	31,65
33	200	196	6.0	8	0.189	017000029	41,60
33	225	220	6.0	8	0.188	017000030	42,20
33	250	243	6.0	8	0.220	017000031	49,75
33	280	274	6.0	8	0.220	017000032	46,70
33	315	306	6.0	8	0.290	017000033	63,45

Execution in SDR 17, also for SDR 17,6

EPDM Profile gaskets for stub flanges for socket welding
SIMONA



Product image for illustration purposes only.



Material
EPDM

Colour
black

Execution
For stub flanges for socket welding acc. to DIN EN ISO 15494/B (PE) DIN EN ISO15494/C (PP)

Remark
Suitable for flange connections up to PN 16

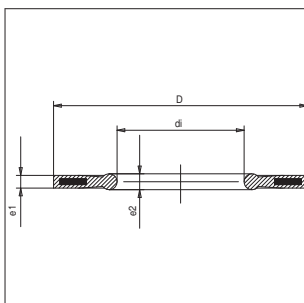
6.1.3

Art.code: EPDM—DICH-PDBU—SW09500—							0950
d	e	e2	di	PN	kg/piece	Art. No.	€ / Stk
(mm)	(mm)	(mm)	(mm)	(bar)			
16	3.0	4	16	16	0.007	017000118	14,75
20	3.0	4	20	16	0.008	017000119	15,40
25	3.0	4	25	16	0.011	017000120	16,25
32	3.0	4	32	16	0.014	017000121	17,05
40	3.0	4	40	16	0.020	017000122	17,35
50	4.0	4	50	16	0.021	017000123	18,10
63	4.0	5	63	16	0.040	017000124	18,70
75	4.0	5	75	16	0.054	017000125	18,90
90	4.0	5	90	16	0.060	017000126	19,60
110	5.0	6	110	16	0.100	017000127	22,65

NBR Profile gaskets for stub flanges (SDR 17/11)

SIMONA

6.1.3



Material

NBR

Colour

black

Execution

For stub flanges acc. to DIN EN ISO 15494/B (PE)

Remark

Suitable for flange connections up to PN 16

Product image for illustration purposes only.

Art.code: NBR—DICH-PD—SW09500—

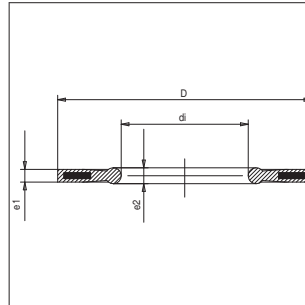
0950

SDR	d (mm)	e (mm)	e2 (mm)	kg/piece	Art. No.	€/ Stk
11	25	2.3	4	0.012	017000131	16,45
11	32	2.9	4	0.016	017000132	17,35
11	40	3.7	4	0.025	017000133	17,85
11	50	4.6	4	0.033	017000135	18,60
11	63	5.8	5	0.048	017000137	19,00
11	75	6.8	5	0.059	017000139	19,50
11	90	8.2	5	0.076	017000141	20,50
11	110	10.0	6	0.124	017000143	23,45
11	125	11.4	6	0.110	017000145	26,50
11	140	12.7	6	0.149	017000147	25,95
11	160	14.6	8	0.207	017000149	31,65
11	180	16.4	8	0.236	017000151	30,55
11	200	18.2	8	0.430	017000153	40,35
11	225	20.5	8	0.365	017000155	41,45
11	250	22.7	8	0.520	017000158	53,20
11	280	25.4	8	0.496	017000160	56,45
11	315	28.6	8	0.600	017000162	67,55
11	355	32.2	8	1.100	017000164	100,30
11	400	36.3	8	1.300	017000166	122,35
11	450	40.9	10	1.930	017000168	145,40
11	500	45.4	10	1.740	017000170	174,45
11	560	50.8	10	2.430	017000172	209,05
11	630	57.2	10	2.740	017000174	251,00
17	50	3.0	4	0.031	017000134	18,40
17	63	3.8	5	0.047	017000136	18,85
17	75	4.5	5	0.057	017000138	19,00
17	90	5.4	5	0.075	017000140	20,35
17	110	6.6	6	0.110	017000142	20,75
17	125	7.4	6	0.080	017000144	25,95
17	140	8.3	6	0.118	017000146	25,15
17	160	9.5	8	0.240	017000148	30,85
17	180	10.7	8	0.150	017000150	30,10
17	200	11.9	8	0.406	017000152	40,95
17	225	13.4	8	0.316	017000154	41,90
17	250	14.8	8	0.510	017000157	51,05
17	280	16.6	8	0.400	017000159	53,65
17	315	18.7	8	0.750	017000161	65,05
17	355	21.1	8	0.760	017000163	98,70
17	400	23.7	8	0.840	017000165	118,45
17	450	26.7	8	1.200	017000167	141,35
17	500	29.7	10	1.500	017000169	169,10
17	560	33.2	10	1.850	017000171	203,00
17	630	37.4	10	2.050	017000173	243,50

Execution in SDR 17, also for SDR 17,6

FPM Profile gaskets for stub flanges (SDR 33/21/17/11)

SIMONA



Material
FPM

Colour
black

Execution

For stub flanges acc. to DIN EN ISO 15494/B
(PE) DIN EN ISO 15494/C (PP) ISO 10931/3
(PVDF)

Remark

Suitable for flange connections up to PN 16

6.1.3

Product image for illustration purposes only.

Art.code: FPM—DICH-PD—SW09500—

0950

SDR	d (mm)	di (mm)	e (mm)	e2 (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
11	25	22	3.0	4	0.019	16	017000091	71,55
11	32	28	3.0	4	0.027	16	017000092	74,25
11	40	34	3.0	4	0.034	16	017000093	77,45
11	50	42	3.0	4	0.043	16	017000094	80,05
11	63	53	4.0	5	0.062	16	017000095	82,80
11	75	63	4.0	5	0.090	16	017000096	83,85
11	90	76	4.0	5	0.104	16	017000097	88,40
11	110	93	5.0	6	0.160	16	017000098	100,95
11	125	105	5.0	6	0.147	16	017000099	114,05
11	140	117	5.0	6	0.220	16	017000100	110,75
11	160	135	6.0	8	0.291	16	017000101	136,25
11	180	151	6.0	8	0.300	16	017000102	131,65
11	200	168	6.0	8	0.548	16	017000103	175,00
11	225	188	6.0	8	0.498	16	017000104	178,95
11	250	208	6.0	8	0.760	16	017000105	230,75
11	280	233	6.0	8	0.635	16	017000106	244,75
11	315	262	6.0	8	0.853	16	017000107	292,80
11	355	294	6.0	8	1.300	16	017000108	435,90
11	400	331	6.0	8	1.600	16	017000090	645,00
17	63	58	4.0	5	0.065	16	017000076	81,45
17	75	69	4.0	5	0.084	16	017000077	82,35
17	90	84	4.0	5	0.098	16	017000078	86,95
17	110	100	5.0	6	0.200	16	017000079	99,20
17	125	114	5.0	6	0.115	16	017000080	110,45
17	140	127	5.0	6	0.194	16	017000081	108,60
17	160	146	6.0	8	0.260	16	017000082	133,30
17	180	164	6.0	8	0.160	16	017000083	130,15
17	200	181	6.0	8	0.520	16	017000084	177,60
17	225	203	6.0	8	0.425	16	017000085	182,15
17	250	226	6.0	8	0.600	16	017000086	220,65
17	280	252	6.0	8	0.546	16	017000087	234,50
17	315	283	6.0	8	0.700	16	017000088	284,20
17	355	319	6.0	8	0.770	16	017000089	428,30
17	400	359	6.0	8	0.880	16	017000128	532,80
21	25	24	3.0	4	0.012	16	017000064	58,80
21	32	30	3.0	4	0.018	16	017000065	61,45
21	40	37	3.0	4	0.025	16	017000066	63,40
21	50	46	4.0	5	0.045	16	017000067	65,90
21	63	61	4.0	5	0.063	16	017000068	71,15
21	75	73	4.0	5	0.082	16	017000069	66,65
21	90	88	4.0	5	0.120	16	017000070	72,45
21	110	104	5.0	6	0.150	16	017000071	91,30
21	140	137	5.0	6	0.180	16	017000072	90,75
21	160	146	6.0	8	0.231	16	017000073	111,15
21	200	181	6.0	8	0.423	16	017000074	143,25
21	225	203	6.0	8	0.400	16	017000075	146,75
33	90	88	4.0	5	0.061	16	017000054	72,45

Execution in SDR 17, also for SDR 17,6

FPM Profile gaskets for stub flanges (SDR 33/21/17/11)



6.1.3

Art.code: FPM—DICH-PD—SW09500—

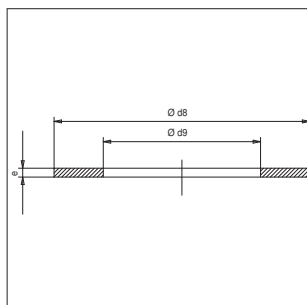
0950

SDR	d (mm)	di (mm)	e (mm)	e2 (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
33	110	104	5.0	6	0.083	16	017000055	91,30
33	125	123	5.0	6	0.107	16	017000056	101,05
33	140	137	5.0	6	0.180	16	017000057	97,80
33	160	156	6.0	8	0.260	16	017000058	118,90
33	200	196	6.0	8	0.438	16	017000059	152,30
33	225	220	6.0	8	0.268	16	017000060	154,40
33	250	243	6.0	8	0.675	16	017000061	179,85
33	280	274	6.0	8	0.740	16	017000062	170,85
33	315	306	6.0	8	0.810	16	017000063	232,95

Execution in SDR 17, also for SDR 17,6

FPM Flat gasket for stub flanges for socket welding (SDR 17)

SIMONA



Material
FPM

Colour
green

Execution

For stub flanges for socket welding acc. to DIN
EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP)
ISO 10931/3 (PVDF)

Remark

Suitable for flange connections up to PN 16

6.1.3

Product image for illustration purposes only.

Art.code: PVDF—DICH-FD—GN09700—

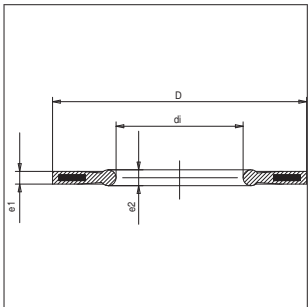
0950

SDR	d (mm)	d8 (mm)	d9 (mm)	e (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
17	20	32	20	2.0	0.001	16	016900037	3,70
17	25	39	25	2.0	0.001	16	016900038	4,15
17	32	48	32	2.0	0.001	16	016900039	7,15
17	40	59	40	2.0	0.001	16	016900040	17,50
17	50	71	50	2.0	0.001	16	016900041	19,05
17	63	88	63	2.0	0.002	16	016900042	24,30
17	75	104	75	2.0	0.004	16	016900043	36,05
17	90	123	90	2.0	0.004	16	016900044	45,30
17	110	148	110	2.0	0.005	16	016900045	78,40

FPM Profile gaskets for stub flanges for socket welding

SIMONA

6.1.3



Material
FPM

Colour
black

Execution
For stub flanges for socket welding acc. to DIN EN ISO 15494/B (PE) DIN EN ISO 15494/C (PP) ISO 10931/3 (PVDF)

Remark
Suitable for flange connections up to PN 16

Product image for illustration purposes only.

Art.code: FPM—DICH-PDBU—SW09500—					0950	
d (mm)	di (mm)	e (mm)	e2 (mm)	PN (bar)	Art. No.	€ / Stk
16	16	3.0	4	16	017000129	63,90
20	20	3.0	4	16	017000109	65,05
25	25	3.0	4	16	017000110	70,00
32	32	3.0	4	16	017000111	73,15
40	40	3.0	4	16	017000112	74,60
50	50	4.0	4	16	017000113	77,50
63	63	4.0	5	16	017000114	80,05
75	75	4.0	5	16	017000115	81,50
90	90	4.0	5	16	017000116	84,45
110	110	5.0	6	16	017000117	97,70

■ 6 Flanges

6.2 Accessories

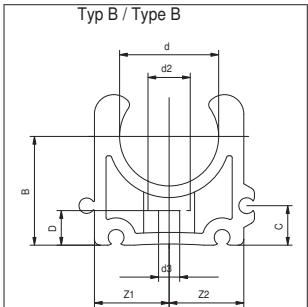
6.2

Pipe clamps type B	218
Pipe clamps type C	219
Filling blocks for pipe clamps type B/type C	220

Pipe clamps type B

SIMONA

6.2



Material

PP

Colour

black

Execution

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

Art.code: PP—RK—B—SW09500—

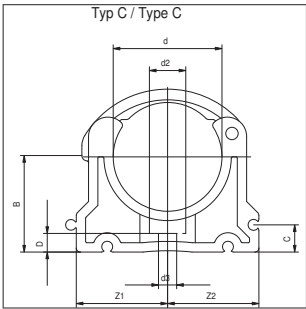
0950

d (mm)	z1 (mm)	z2 (mm)	B (mm)	C (mm)	kg/piece	Art. No.	€ / Stk
20	16.5	19	25	10	0.008	023800002	2,65
25	19	21.5	27.5	10	0.009	023800003	2,90
32	24	26.5	31	10	0.012	023800004	3,75

Pipe clamps type C



6.2



Material
PP

Colour
black

Execution
injected, for metric pipe series, type C: with PP clip

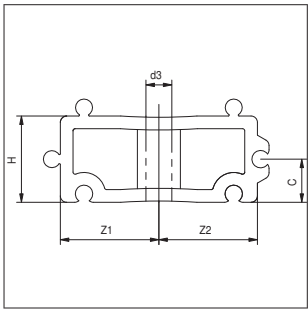
Remark
d > 160 mm on request

Art.code: PP—RK—C—SW09500—						0950	
d (mm)	z1 (mm)	z2 (mm)	B (mm)	C (mm)	kg/piece	Art. No.	€ / Stk
40	33.5	33.5	35	10	0.026	023800005	4,95
50	37	37	40	10	0.028	023800006	5,55
63	44.5	44.5	51.5	10	0.048	023800007	7,50
75	52	52	57.5	10	0.058	023800008	12,75
90	64.5	64.5	65	10	0.094	023800009	15,90
110	78	78	75	10	0.120	023800010	18,15
125	88	88	90	10	0.180	023800011	26,60
140	97	97	110	10	0.224	023800012	30,10
160	109	109	107.5	10	0.240	023800013	34,40

Filling blocks for pipe clamps type B/type C

SIMONA

6.2



Material

PP

Colour

black

Execution

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

Art.code: PP—RK—DH—SW09500—						0950	
d (mm)	z1 (mm)	z2 (mm)	H (mm)	C (mm)	kg/piece	Art. No.	€ / Stk
25	19	21.5	20	10	0.007	023800016	2,25
32	24	26.5	20	10	0.008	023800017	2,55
40	33.5	33.5	20	10	0.015	023800018	3,60
63	44.5	44.5	20	10	0.024	023800020	5,40
75	52	52	20	10	0.027	023800021	8,80

■ 7 Valves

7.1 PP Valves manually operated

7.1.1 PP 2-way ball valves

PP 2-way ball valves with female fusion ends, EPDM	224
PP 2-way ball valves with female fusion ends, FPM	225
PP 2-way ball valves with male socket fusion ends	226
PP 2-way ball valves with thread sockets, EPDM	227
PP 2-way ball valves with thread sockets, FPM	228
PP 2-way ball valves with elongated butt fusion ends in PP, EPDM	229
PP 2-way ball valves with elongated butt fusion ends in PP, FPM	230
PP 2-way ball valves with elongated butt fusion ends in PE 100, EPDM	231
PP 2-way ball valves with elongated butt fusion ends in PE 100, FPM	232

7.1.2 PP Diaphragm valves

PP Diaphragm valves with male socket fusion ends	234
PP Diaphragm valves, union with male butt fusion end insert	235
PP Diaphragm valves, union with female fusion end insert	236

7.1.3 PP Ball check valves

PP Ball check valves, FPM-gasket	238
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7.2 PVDF Valves manually operated

7.2.1 PVDF 2-way ball valves

PVDF 2-way ball valves with female fusion ends	240
PVDF 2-way ball valves with male socket fusion ends	241
PVDF 2-way ball valves with male IR-/butt fusion ends	242

7.2.2 PVDF Diaphragm valves

PVDF Diaphragm valves with male socket fusion ends	244
--	-----

7.2.3 PVDF Ball check valves

PVDF Ball check valves with welding connections for socket fusion	246
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7.3 Butterfly valve manually operated

7.3.1 Plastic Butterfly valves for PE/PP-pipes

Plastic Butterfly valves with locking lever for PE/PP-pipes	248
Plastic Butterfly valves with hand lever for PE/PP-pipes	249

7.3.2 Plastic Butterfly valves for PVDF-pipes

Plastic Butterfly valves with locking lever for PVDF-pipes	252
Plastic Butterfly valves with hand lever for PVDF-pipes	253

7.3.4 Metal Butterfly valves with GGG40 body

■	7 Valves		
		Metal Butterfly valves Type Z411A with GGG40 body, locking lever	256
		Metal Butterfly valves Type Z411A with GGG40 body, hand lever	257
		Metal Butterfly valves Type Z414A with GGG40 body, locking lever	259
		Metal Butterfly valves Type Z414A with GGG40 body, hand lever	260
	7.4 Accessories		
	7.4.1 Ball valve brackets		
		Ball valve brackets for 2-way ball valves PP/PVDF	264
	7.4.2 PP Inserts for connections of 2-way and 3-way ball valves		
		PP-H Inserts female fusion ends DIN/ISO	266
		PP-H Inserts male fusion ends DIN/ISO	267
		PP-H Inserts elongated spigot butt fusion ends SDR 11	268
		PP-H Inserts conical threaded female ends R	269
	7.4.3 PVDF Inserts for connections of 2-way ball valves		
		PVDF Inserts female fusion ends DIN/ISO	272
		PVDF Inserts male socket fusion ends DIN/ISO	273
		PVDF Union insert, injected, for union piece, for socket welding	274
	7.4.4 Mounting plates		
		Mounting plates for diaphragm valves PP	276
	7.4.5 Locking devices		
		Locking devices for diaphragm valves PP/PVDF	278
	7.4.6 Electrical position indicators		
		Electrical position indicators for diaphragm valve PP/PVDF	280

■ 7 Valves

7.1 PP Valves manually operated

7.1.1

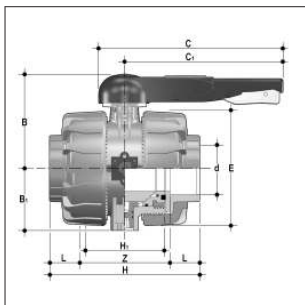
7.1.1 PP 2-way ball valves

PP 2-way ball valves with female fusion ends, EPDM	224
PP 2-way ball valves with female fusion ends, FPM	225
PP 2-way ball valves with male socket fusion ends	226
PP 2-way ball valves with thread sockets, EPDM	227
PP 2-way ball valves with thread sockets, FPM	228
PP 2-way ball valves with elongated butt fusion ends in PP, EPDM	229
PP 2-way ball valves with elongated butt fusion ends in PP, FPM	230
PP 2-way ball valves with elongated butt fusion ends in PE 100, EPDM	231
PP 2-way ball valves with elongated butt fusion ends in PE 100, FPM	232

PP 2-way ball valves with female fusion ends, EPDM

SIMONA

7.1.1



Material

PP-H

Gasket

PTFE/EPDM

Connection Inch

mit Schweißmuffen ISO/DIN

Execution

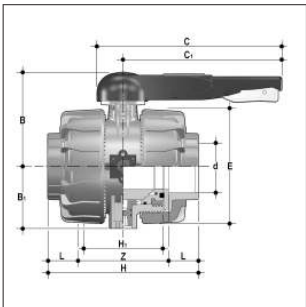
Dual Block, with safe block unions

0340

Art.code: PPH—KH—2W—EPD-SM-GR09300—

H (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
102	49	66	20	15	0.180	10	012000001	113,55
114	59	75	25	20	0.280	10	012000002	135,50
126	66	85	32	25	0.360	10	012000003	169,80
141	75	97	40	32	0.540	10	012000004	209,60
164	87	110	50	40	0.720	10	012000005	271,55
199	101	134	63	50	1.180	10	012000006	337,90
213	164	327	75	65	2.240	10	012000007	884,75

PP 2-way ball valves with female fusion ends, FPM



Material
PP-H

Gasket
PTFE/FPM

Connection Inch
mit Schweißmuffen ISO/DIN

Execution
Dual Block, with safe block unions

7.1.1

Art.code: PPH—KH—2W— FPM-SM-GR09300—

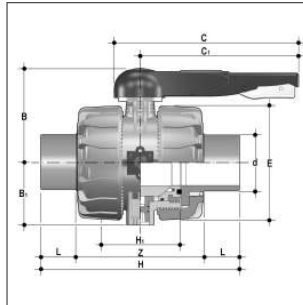
H (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
102	49	66	20	15	0.180	10	012000010	139,35
114	59	75	25	20	0.280	10	012000011	164,50
126	66	85	32	25	0.360	10	012000012	206,80
141	75	97	40	32	0.540	10	012000013	254,45
164	87	110	50	40	0.740	10	012000014	319,00
199	101	134	63	50	1.180	10	012000015	423,75
213	164	327	75	65	2.010	10	012000016	1.059,05

0340

PP 2-way ball valves with male socket fusion ends

SIMONA

7.1.1



Material

Gasket

PTFE/EPDM

Connection Inch

mit Schweißstutzen ISO/DIN für
Muffenschweißung

Execution

Dual Block, with safe block unions

Remark

H = DIN 3442, part 2

0340

Art.code: PPH—KH—2W—EPD-ST-GR09300—

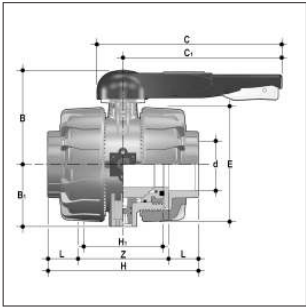
H (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
124	49	66	20	15	0.180	10	012000019	113,55
144	59	75	25	20	0.280	10	012000020	135,50
154	66	85	32	25	0.400	10	012000021	169,80
174	75	97	40	32	0.550	10	012000022	209,60
194	87	110	50	40	0.740	10	012000023	271,55
224	101	134	63	50	1.460	10	012000024	337,90
284	164	327	75	65	2.150	10	012000025	884,75

0340

Art.code: PPH—KH—2W— FPM-ST-GR09300—

H (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
124	49	66	20	15	0.180	10	012000028	139,35
144	59	75	25	20	0.280	10	012000029	164,50
154	66	85	32	25	0.400	10	012000030	206,80
174	75	97	40	32	0.560	10	012000031	254,45
194	87	110	50	40	0.760	10	012000032	319,00
224	101	134	63	50	1.440	10	012000033	423,75
284	164	235	75	65	2.150	10	012000034	1.059,05

PP 2-way ball valves with thread sockets, EPDM



Material
PP-H

Gasket
PTFE/EPDM

Connection Inch
mit Gewindemuffen mit konischem
Innengewinde R (nach DIN 2999/1)

Execution
Dual Block, with safe block unions

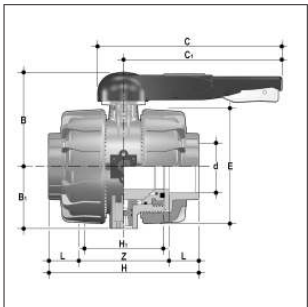
7.1.1

Art.code: PPH—KH—2W—EPD-GM-GR09300—										0340	
H	B	C	R	d	DN	kg/piece	PN	Art. No.	€ / Stk		
(mm)	(mm)	(mm)	(")	(mm)	(mm)		(bar)				
102	49	66	0.5	20	15	0.180	10	012000037	131,70		
113	59	75	0.75	25	20	0.280	10	012000038	153,70		
125	66	85	1	32	25	0.360	10	012000039	185,65		
142	75	97	1.25	40	32	0.560	10	012000040	235,70		
162	87	110	1.5	50	40	0.760	10	012000041	294,25		
198	101	134	2	63	50	1.200	10	012000042	373,45		

PP 2-way ball valves with thread sockets, FPM

SIMONA

7.1.1



Material
PP-H

Gasket
PTFE/FPM PTFE/EPDM

Connection Inch
mit Gewindemuffen mit konischem Innengewinde R (nach DIN EN 10226/1)

Execution
Dual Block, with safe block unions

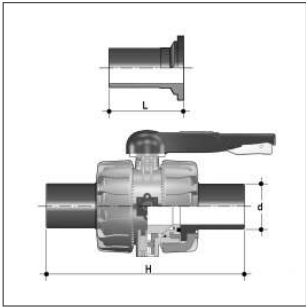
Art.code: PPH—KH—2W— FPM-GM-GR09300—

0340

H (mm)	B (mm)	C (mm)	R (")	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
102	49	66	0.5	20	15	0.160	10	012000043	163,00
113	59	75	0.75	25	20	0.280	10	012000044	181,80
125	66	85	1	32	25	0.360	10	012000045	225,45
142	75	97	1.25	40	32	0.580	10	012000046	277,05
162	87	110	1.5	50	40	0.760	10	012000047	347,10
198	101	134	2	63	50	1.220	10	012000048	469,95

PP 2-way ball valves with elongated butt fusion ends
in PP, EPDM

SIMONA



Material
PP-H

Gasket
PTFE/EPDM

Connection Inch
Mit PP Stumpfschweißstutzen SDR 11, verlängert

Execution
Dual Block, with safe block unions

7.1.1

Art.code: PPHPP—KH—2W—EPD-SS-GR09300—

0340

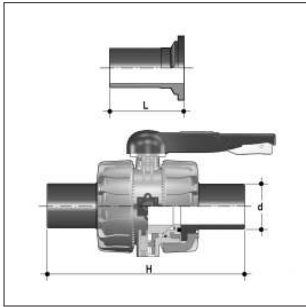
H (mm)	d (mm)	DN (mm)	PN (bar)	Art. No.	€ / Stk
174	20	15	10	012000049	131,80
209	25	20	10	012000050	153,70
221	32	25	10	012000051	185,65
241	40	32	10	012000052	233,25
260	50	40	10	012000053	298,15
293	63	50	10	012000054	373,45
356	75	65	10	012000055	774,40
390	90	80	10	012000056	*
431	110	100	10	012000057	*

* on request

PP 2-way ball valves with elongated butt fusion ends in PP, FPM

SIMONA

7.1.1



Material
PP-H

Gasket
PTFE/FPM

Connection Inch
mit PP Stumpfschweißstutzen SDR 11, verlängert

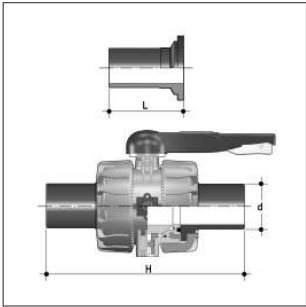
Execution
Dual Block, with safe block unions

0340

Art.code: PPHPP—KH—2W— FPM-SS-GR09300—					
H (mm)	d (mm)	DN (mm)	PN (bar)	Art. No.	€ / Stk
174	20	15	10	012000058	164,50
209	25	20	10	012000059	181,85
221	32	25	10	012000060	226,60
241	40	32	10	012000061	278,10
260	50	40	10	012000062	348,40
293	63	50	10	012000063	468,75
356	75	65	10	012000064	913,30

PP 2-way ball valves with elongated butt fusion ends
in PE 100, EPDM

SIMONA



Material
PP-H

Gasket
PTFE/EPDM

Connection Inch
Mit PE 100 Stumpfschweißstutzen SDR 11,
verlängert

7.1.1

Art.code: PPHPE—KH—2W—EPD-SS-GR09300—

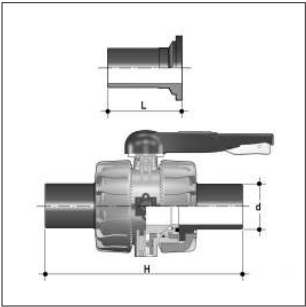
0340

H (mm)	d (mm)	DN (mm)	PN (bar)	Art. No.	€ / Stk
174	20	15	10	012000067	131,80
209	25	20	10	012000068	153,70
221	32	25	10	012000069	185,65
241	40	32	10	012000070	233,25
260	50	40	10	012000071	298,15
293	63	50	10	012000072	373,45

PP 2-way ball valves with elongated butt fusion ends in PE 100, FPM

SIMONA

7.1.1



Material
PP-H

Gasket
PTFE/FPM

Connection Inch
mit PE 100 Stumpfschweißstutzen SDR 11,
verlängert

0340

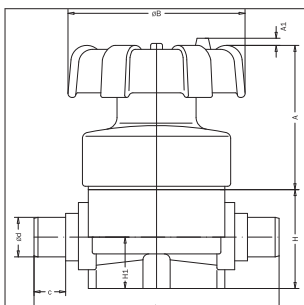
Art.code: PPHPE—KH—2W— FPM-SS-GR09300—					
H (mm)	d (mm)	DN (mm)	PN (bar)	Art. No.	€ / Stk
174	20	15	10	012000073	164,50
209	25	20	10	012000074	181,85
221	32	25	10	012000075	226,60
241	40	32	10	012000076	278,10
260	50	40	10	012000077	348,40
293	63	50	10	012000078	468,75

■	7 Valves	7.1 PP Valves manually operated	7.1.2
		7.1.2 PP Diaphragm valves	
		PP Diaphragm valves with male socket fusion ends	234
		PP Diaphragm valves, union with male butt fusion end insert	235
		PP Diaphragm valves, union with female fusion end insert	236

PP Diaphragm valves with male socket fusion ends

SIMONA

7.1.2



Connection Inch
Mit Schweißstutzen ISO/DIN für
Muffenschweißung

Diaphragm
EPDM FPM PTFE/EPDM

0340

Art.code: PPR—MV—MANEPD-ST-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
50	26	73	90	16	20	15	0.700	10	070001035	104,85
50	26	73	90	19	25	20	0.720	10	070001036	112,75
50	26	73	90	22	32	25	0.720	10	070001037	131,35
74	40	90	114	24	40	32	1.540	10	070001038	152,70
74	40	90	114	27	50	40	1.560	10	070001039	198,90
82	40	111	140	40	63	50	2.380	10	070001040	241,10
117	55	142	214	44	75	65	7.360	10	070001041	579,85

0340

Art.code: PPR—MV—MANFPM-ST-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
50	26	73	90	16	20	15	0.700	10	070001122	172,40
50	26	73	90	19	25	20	0.720	10	070001123	180,35
50	26	73	90	22	32	25	0.740	10	070001124	198,90
74	40	90	114	24	40	32	1.540	10	070001125	266,40
74	40	90	114	27	50	40	1.560	10	070001126	312,60
82	40	111	140	40	63	50	2.400	10	070001127	431,85
117	55	142	214	44	75	65	7.300	10	070001128	1.114,35

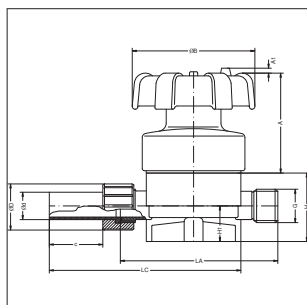
0340

Art.code: PPR—MV—MANPTF-ST-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
50	26	73	90	16	20	15	0.700	10	070001131	205,45
50	26	73	90	19	25	20	0.700	10	070001132	213,35
50	26	73	90	22	32	25	0.700	10	070001133	231,95
74	40	90	114	24	40	32	1.400	10	070001134	304,60
74	40	90	114	27	50	40	1.400	10	070001135	349,75
82	40	111	140	40	63	50	2.400	10	070001136	423,75
117	55	142	214	44	75	65	7.300	10	070001137	837,85

PP Diaphragm valves, union with male butt fusion end insert

SIMONA



Connection Inch
Verschraubung mit Einlegeteil
Stumpfschweißstutzen SDR 11

Diaphragm
EPDM FPM PTFE/EPDM

Remark
Inliner PP, natural, on request

7.1.2

0340

Art.code: PPR—MV—MANEPD-VE-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	37	20	15	0.700	12	070001215	124,70
50	26	73	90	39	25	20	0.730	12	070001216	136,75
50	26	73	90	40	32	25	0.760	12	070001217	160,65
74	40	90	114	41	40	32	1.400	12	070001218	189,70
74	40	90	114	43	50	40	1.760	12	070001219	249,05
82	40	111	140	43	63	50	2.400	12	070001220	307,35

0340

Art.code: PPR—MV—MANFPM-VE-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	37	20	15	0.700	12	070001221	196,10
50	26	73	90	39	25	20	0.880	12	070001222	213,35
50	26	73	90	40	32	25	0.900	12	070001223	238,65
74	40	90	114	41	40	32	1.400	12	070001224	316,65
74	40	90	114	43	50	40	1.760	12	070001225	382,85
82	40	111	140	43	63	50	2.400	12	070001226	521,55

0340

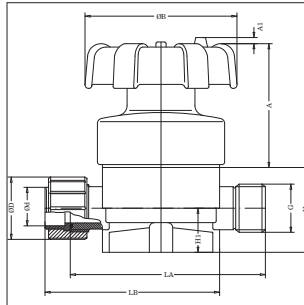
Art.code: PPR—MV—MANPTF-VE-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	37	20	15	0.700	12	070001227	230,65
50	26	73	90	39	25	20	0.880	12	070001228	246,40
50	26	73	90	40	32	25	0.900	12	070001229	271,55
74	40	90	114	41	40	32	1.400	12	070001230	352,20
74	40	90	114	43	50	40	1.760	12	070001231	421,15
82	40	111	140	43	63	50	2.400	12	070001232	513,60

PP Diaphragm valves, union with female fusion end insert

SIMONA

7.1.2



Connection Inch

Verschraubung mit Einlegeeteil Schweißmuffe
ISO/DIN

Diaphragm

EPDM FPM PTFE/EPDM

Remark

Inliner PP, natural, on request

0340

Art.code: PPR—MV—MANEPD-VM-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	20	15	0.800	12	070001029	124,70
50	26	73	90	25	20	0.800	12	070001030	136,75
50	26	73	90	32	25	0.840	12	070001031	160,65
74	40	90	114	40	32	1.620	12	070001032	189,70
74	40	90	114	50	40	1.700	12	070001033	249,05
82	40	111	140	63	50	2.840	12	070001034	307,35

0340

Art.code: PPR—MV—MANFPM-VM-GR09300—

H (mm)	H1 (mm)	A (mm)	B (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	20	15	0.700	12	070001203	196,10
50	26	73	90	25	20	0.700	12	070001204	213,35
50	26	73	90	32	25	0.700	12	070001205	238,65
74	40	90	114	40	32	1.400	12	070001206	316,65
74	40	90	114	50	40	1.800	12	070001207	382,85
82	40	111	140	63	50	2.400	12	070001208	521,55

0340

Art.code: PPR—MV—MANPTF-VM-GR09300—

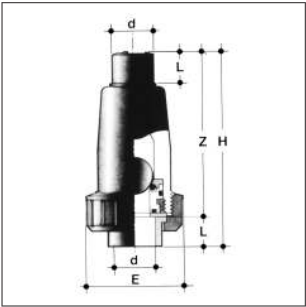
H (mm)	H1 (mm)	A (mm)	B (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	20	15	0.700	12	070001209	230,65
50	26	73	90	25	20	0.700	12	070001210	246,40
50	26	73	90	32	25	0.700	12	070001211	271,55
74	40	90	114	40	32	1.400	12	070001212	352,20
74	40	90	114	50	40	1.800	12	070001213	421,15
82	40	111	140	63	50	2.400	12	070001214	513,60

■	7	Valves	7.1	PP Valves manually operated	7.1.3
			7.1.3	PP Ball check valves	
				PP Ball check valves, FPM-gasket	238

PP Ball check valves, FPM-gasket

SIMONA

7.1.3



Material
PP-H

Gasket
FPM

Connection Inch
mit Schweißanschluss für Muffenschweißung

Art.code: PPH—KRV—FPM-MS-GR09300—					0340
H (mm)	d (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
105	20	0.120	10	012300001	119,30
126	25	0.180	10	012300002	125,70
150	32	0.280	10	012300003	139,35
173	40	0.420	10	012300004	169,75
188	50	0.540	10	012300005	190,85
222	63	0.910	10	012300006	288,90

■ 7 Valves

7.2 PVDF Valves manually operated

7.2.1

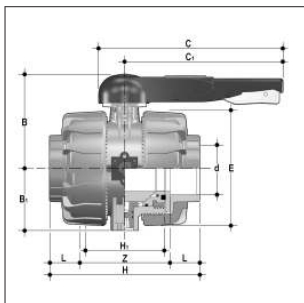
7.2.1 PVDF 2-way ball valves

PVDF 2-way ball valves with female fusion ends	240
PVDF 2-way ball valves with male socket fusion ends	241
PVDF 2-way ball valves with male IR-/butt fusion ends	242

PVDF 2-way ball valves with female fusion ends

SIMONA

7.2.1



Material

PVDF

Gasket

FPM

Connection Inch

mit Schweißmuffen ISO/DIN

Execution

Dual Block, with safe block unions

Art.code: PVDF—KH—2W—FPM-SM-NA09150—

0640

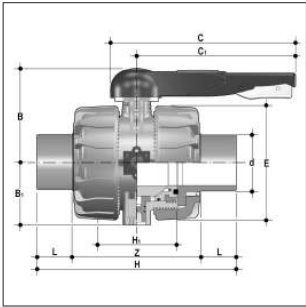
H (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
105	49	66	16	10	0.280	16	012000097	*
105	49	66	20	15	0.300	16	012000098	*
114	59	75	25	20	0.440	16	012000099	*
126	66	85	32	25	0.600	16	012000100	*
141	75	97	40	32	0.900	16	012000101	*
163	87	110	50	40	1.220	16	012000102	*
195	101	134	63	50	2.000	16	012000103	*
212	124	235	75	65	3.750	16	012000104	*

* on request

PVDF 2-way ball valves with male socket fusion ends

SIMONA

7.2.1



Material
PVDF

Gasket
FPM

Connection Inch
mit Schweißstutzen ISO/DIN für
Muffenschweißung

Execution
Dual Block, with safe block unions

Art.code: PVDF—KH—2W—FPM-ST-NA09150—0640

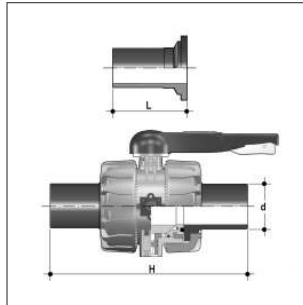
H	d	DN	kg/piece	PN	Art. No.	€ / Stk
(mm)	(mm)	(mm)		(bar)		
124	20	15	0.280	16	012000106	*
144	25	20	0.440	16	012000107	*
154	32	25	0.640	16	012000108	*
174	40	32	0.920	16	012000109	*
194	50	40	1.240	16	012000110	*
224	63	50	2.120	16	012000111	*
284	75	65	4.380	16	012000112	*

* on request

PVDF 2-way ball valves with male IR-/butt fusion ends

SIMONA

7.2.1



Material

PVDF

Gasket

FPM

Connection Inch

mit IR-Stumpfschweißstutzen SDR 21

Execution

Dual Block, with safe block unions

Art.code: PVDF—KH—2W—FPM-SS-NA09150—

0640

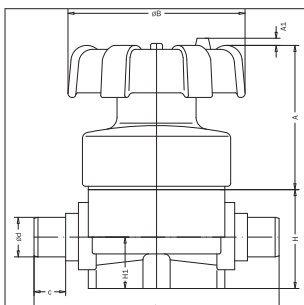
H (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
124	20	15	0.280	16	012001035	*
144	25	20	0.440	16	012001036	*
154	32	25	0.620	16	012001037	*
174	40	32	0.900	16	012001038	*
194	50	40	1.200	16	012001039	*
224	63	50	2.200	16	012001040	*
284	75	65	4.360	16	012001041	*

* on request

■	7	Valves	7.2	PVDF Valves manually operated	7.2.2
			7.2.2	PVDF Diaphragm valves	
				PVDF Diaphragm valves with male socket fusion ends	244

PVDF Diaphragm valves with male socket fusion ends **SIMONA**

7.2.2



Gasket

FPM

Connection Inch

Mit Schweißstutzen ISO/DIN für

Muffenschweißung

Diaphragm

FPM

Remark

EPDM diaphragm on request

0640

Art.code: PVDF—MV—MANFPM-ST-NA09150—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	16	20	15	0.800	10	070001242	*
50	26	73	90	19	25	20	0.830	10	070001243	*
50	26	73	90	22	32	25	0.860	10	070001244	*
74	40	90	114	24	40	32	1.400	10	070001245	*
74	40	90	114	27	50	40	1.760	10	070001246	*
82	40	111	140	40	63	50	2.880	10	070001247	*
117	55	142	214	44	75	65	7.300	10	070001248	*

* on request

0640

Art.code: PVDF—MV—MANPTF-ST-NA09150—

H (mm)	H1 (mm)	A (mm)	B (mm)	C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€/ Stk
50	26	73	90	16	20	15	0.820	10	070001001	*
50	26	73	90	19	25	20	0.830	10	070001002	*
50	26	73	90	22	32	25	0.840	10	070001003	*
74	40	90	114	24	40	32	1.840	10	070001004	*
74	40	90	114	27	50	40	1.900	10	070001005	*
82	40	111	140	40	63	50	2.820	10	070001006	*
117	55	142	214	44	75	65	8.760	10	070001007	*

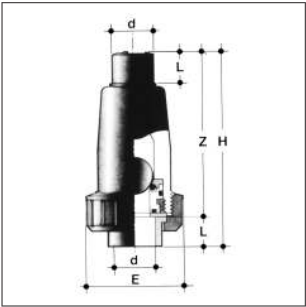
* on request

■	7 Valves	7.2 PVDF Valves manually operated	7.2.3
		7.2.3 PVDF Ball check valves	
		PVDF Ball check valves with welding connections for socket fusion	246

PVDF Ball check valves with welding connections for socket fusion



7.2.3



Material
PVDF

Gasket
FPM

Connection Inch
mit Schweißanschluss für Muffenschweißung

Art.code: PVDF—KRV—FPM-MS-NA09150—					0640
H	d	kg/piece	PN	Art. No.	€ / Stk
(mm)	(mm)		(bar)		
124	25	0.300	16	012300008	*
149	32	0.460	16	012300009	*
172	40	0.480	16	012300010	*
187	50	0.660	16	012300011	*
224	63	1.540	16	012300012	*

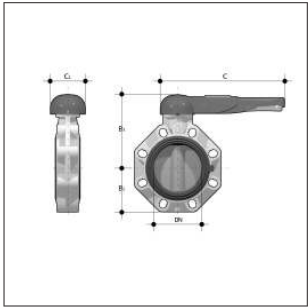
* on request

■	7 Valves	7.3 Butterfly valve manually operated	7.3.1
		7.3.1 Plastic Butterfly valves for PE/PP-pipes	
		Plastic Butterfly valves with locking lever for PE/PP-pipes	248
		Plastic Butterfly valves with hand lever for PE/PP-pipes	249

Plastic Butterfly valves with locking lever for PE/PP-pipes

SIMONA

7.3.1



Body
PP-GRP

Connection Inch
für Flanschanschluss nach ISO/DIN und ANSI

Actuator
manually with locking lever

Disc
PP-H

Execution
interposed flange valve with centrally mounted butterfly valve for PE/PP-pipes

Sleeve
EPDM FPM with integrated gasket

0340

Art.code: PPPP—ASK—ZFRG-EPD—GR09300—

C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
175	50	40	0.900	10	020307734	526,85
175	63	50	1.240	10	020307735	557,95
272	75	65	1.470	10	020307511	632,65
272	90	80	2.280	10	020307512	748,65
272	110	100	2.580	10	020307513	895,90
330	140	125	3.100	10	020307514	1.105,75
330	160	150	4.440	10	020307515	1.291,00
420	225	200	6.750	10	020307516	1.645,40

0340

Art.code: PPPP—ASK—ZFRG- FPM—GR09300—

C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
175	50	40	0.900	10	020307736	612,15
175	63	50	1.080	10	020307737	648,35
272	75	65	1.470	10	020307565	735,40
272	90	80	1.870	10	020307566	850,05
272	110	100	2.220	10	020307567	1.031,75
330	140	125	3.100	10	020307568	1.250,35
330	160	150	3.850	10	020307569	1.581,20
420	225	200	6.750	10	020307570	1.835,70

■ **7 Valves**

7.3 Butterfly valve manually operated

7.3.2

7.3.2 Plastic Butterfly valves for PVDF-pipes

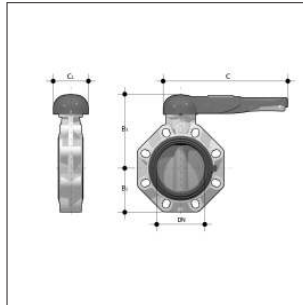
Plastic Butterfly valves with locking lever for PVDF-pipes 252

Plastic Butterfly valves with hand lever for PVDF-pipes 253

Plastic Butterfly valves with locking lever for PVDF-pipes

SIMONA

7.3.2



Body

PP-GRP

Connection Inch

für Flanschanschluss nach ISO/DIN und ANSI

Actuator

manually with locking lever

Disc

PVDF

Execution

interposed flange valve with centrally mounted butterfly valve for PVDF-pipes

Sleeve

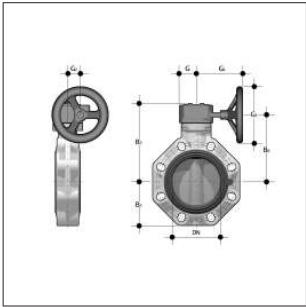
FPM with integrated gasket

0640

Art.code: PPPVDF—ASK-ZFRG-FPM—NA09150—

C (mm)	d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
175	50	40	0.900	10	020307738	884,90
175	63	50	1.080	10	020307739	937,20
175	75	65	1.470	10	020307673	1.020,35
272	90	80	1.870	10	020307674	1.375,10
272	110	100	2.220	10	020307675	1.609,55
330	140	125	3.100	10	020307676	2.031,95
330	160	150	3.850	10	020307677	2.481,85
420	225	200	6.750	10	020307678	3.174,40

Plastic Butterfly valves with hand lever for PVDF-pipes **SIMONA**



- Body**
PP-GRP
- Connection Inch**
für Flanschanschluss nach ISO/DIN und ANSI
- Actuator**
manually with hand lever
- Disc**
PVDF
- Execution**
interposed flange valve with centrally mounted butterfly valve for PVDF-pipes
- Sleeve**
FPM with integrated gasket

7.3.2

Art.code: PPPVDF—ASK-ZFHR-FPM—NA09150—

0640

d (mm)	DN (mm)	kg/piece	PN (bar)	Art. No.	€ / Stk
75	65	2.400	10	020307679	1.713,30
90	80	2.800	10	020307680	2.022,85
110	100	3.150	10	020307681	2.280,10
140	125	4.450	10	020307682	2.907,60
160	150	5.200	10	020307683	3.428,65
225	200	9.300	10	020307684	4.371,80
280	250	18.600	10	020307740	8.473,70
315	300	25.600	8	020307741	9.656,05

■ 7 Valves

7.3 Butterfly valve manually operated

7.3.4

7.3.4 Metal Butterfly valves with GGG40 body

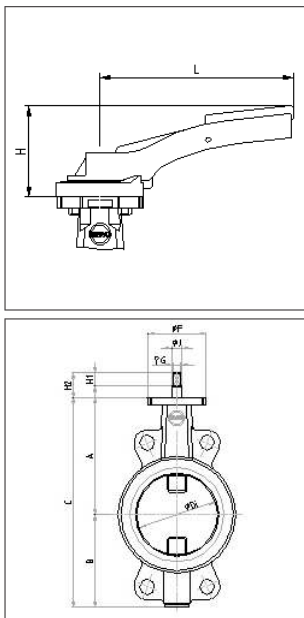
Metal Butterfly valves Type Z411A with GGG40 body, locking lever	256
Metal Butterfly valves Type Z411A with GGG40 body, hand lever	257
Metal Butterfly valves Type Z414A with GGG40 body, locking lever	259
Metal Butterfly valves Type Z414A with GGG40 body, hand lever	260

Metal Butterfly valves Type Z411A with GGG40 body, **SIMONA** locking lever (SDR 17/11)

7.3.4



Product image for illustration purposes only.



Pressure

SDR 11 - 17/17,6 up to PN 10

Body

GGG40

Connection Inch

PN 10 nach DIN EN 1092/1 (ersetzt ISO/DIN 2501)

Actuator

manually with locking lever

Disc

stainless steel

Execution

interposed flange valve

Sleeve

NBR (EPDM on request)

Art.code: GGG—ASK-ZKRG-NBR—09999—

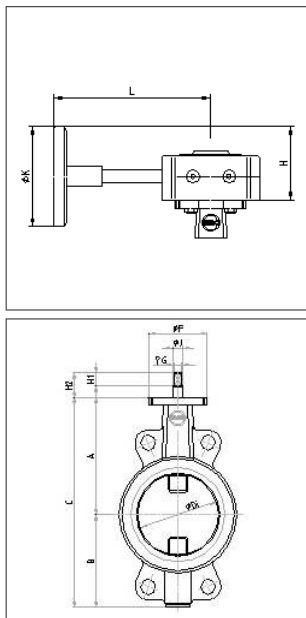
0840

SDR	di (mm)	d (mm)	DN (mm)	e (mm)	PN (bar)	Art. No.	€/ Stk
11	38	50	40	4.6		010039907	151,45
11	48,5	63	50	5.8	10	020307888	197,15
11	63,5	75	65	6.8	10	020307889	197,15
11	78,5	90	80	8.2	10	020307890	242,85
11	98,5	110	100	10.0	10	020307891	280,00
11	98,5	125	100	11.4	10	020307892	285,70
11	111	140	125	12.7	10	020307893	405,70
11	123	160	150	14.6	10	020307894	494,30
11	148	180	150	16.4	10	020307895	494,30
11	161,5	200	200	18.2	10	020307896	677,15
11	182	225	200	20.5	10	020307897	677,15
17	38	50	40	3.0	10	010039906	151,45
17	48,5	63	50	3.8	6.3	020307870	197,15
17	63,5	75	65	4.5	6.3	020307871	197,15
17	78,5	90	80	5.4	6.3	020307872	242,85
17	98,5	110	100	6.6	6.3	020307873	280,00
17	98,5	125	100	7.4	6.3	020307874	285,70
17	123	140	125	8.3	6.3	020307875	405,70
17	123	160	150	9.5	6.3	020307876	494,30
17	148	180	150	10.7	6.3	020307877	494,30
17	161,5	200	200	11.9	6.3	020307878	677,15
17	198	225	200	13.4	6.3	020307879	677,15

Metal Butterfly valves Type Z411A with GGG40 body, **SIMONA** hand lever (SDR 17/11)



Product image for illustration purposes only.



Pressure

SDR 11 - 17/17,6 up to PN 10

Body

GGG40

Connection Inch

PN 10 nach DIN EN 1092/1 (ersetzt ISO/DIN 2501)

Actuator

manually with hand lever

Disc

stainless steel

Execution

interposed flange valve

Sleeve

NBR (EPDM on request)

7.3.4

Art.code: GGG—ASK-ZKHR-NBR—09999—

0840

SDR	di (mm)	d (mm)	DN (mm)	e (mm)	PN (bar)	Art. No.	€/ Stk
11	38	50	40	4.6		010039913	265,70
11	48,5	63	50	5.8	10	020307942	311,45
11	63,5	75	65	6.8	10	020307943	311,45
11	78,5	90	80	8.2	10	020307944	348,55
11	98,5	110	100	10.0	10	020307945	385,70
11	98,5	125	100	11.4	10	020307946	391,45
11	111	140	125	12.7	10	020307947	511,45
11	123	160	150	14.6	10	020307948	594,30
11	148	180	150	16.4	10	020307949	622,85
11	161,5	200	200	18.2	10	020307950	805,70
11	198	225	200	20.5	10	020307951	805,70
11	198	250	250	22.7	10	020307952	1.288,55
11	224,5	280	250	25.4	10	020307953	1.288,55
11	248	315	300	28.6	10	020307954	1.780,00
11	286	355	350	32.2	10	020307955	1.985,70
11	368	400	400	36.3	10	020307956	2.745,70
11	365,5	450	500	40.9	10	020307957	4.500,00
11	390	500	500	45.4	10	020307958	5.354,30
11	426	560	600	50.8	10	010039914	8.131,45
11	489	630	600	57.2	10	010039915	8.502,85
17	38	50	40	3.0	10	010039909	265,70
17	48,5	63	50	3.8	6.3	020307924	311,45
17	63,5	75	65	4.5	6.3	020307925	311,45
17	78,5	90	80	5.4	6.3	020307926	348,55
17	98,5	110	100	6.6	6.3	020307927	385,70
17	98,5	125	100	7.4	6.3	020307928	391,45
17	123	140	125	8.3	6.3	020307929	511,45
17	123	160	150	9.5	6.3	020307930	594,30
17	148	180	150	10.7	6.3	020307931	622,85
17	161,5	200	200	11.9	6.3	020307932	805,70
17	182	225	200	13.4	6.3	020307933	805,70
17	198	250	250	14.8	6.3	020307934	1.288,55
17	248	280	250	16.6	6.3	020307935	1.288,55
17	248	315	300	18.7	6.3	020307936	1.780,00
17	296	355	350	21.1	6.3	020307937	1.985,70
17	337,5	400	400	23.7	6.3	020307938	2.745,70

Metal Butterfly valves Type Z411A with GGG40 body, **SIMONA** hand lever (SDR 17/11)

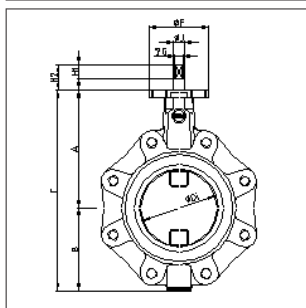
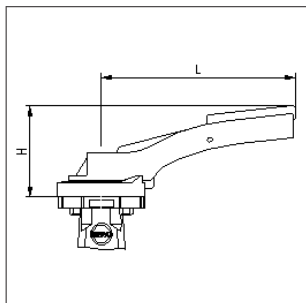
7.3.4

Art.code: GGG—ASK-ZKHR-NBR—09999—						0840	
SDR	di (mm)	d (mm)	DN (mm)	e (mm)	PN (bar)	Art. No.	€ / Stk
17	390	450	500	26.7	6.3	020307939	4.500,00
17	426	500	500	29.7	6.3	020307940	5.354,30
17	489	560	600	33.2	10	010039911	8.131,45
17	538	630	600	37.4	10	010039912	8.502,85

Metal Butterfly valves Type Z414A with GGG40 body, **SIMONA** locking lever (SDR 17/11)



Product image for illustration purposes only.



Pressure

SDR 11 - 17/17,6 up to PN 10

Body

GGG40

Connection Inch

PN 10 nach DIN EN 1092/1 (ersetzt ISO/DIN 2501)

Actuator

manually with locking lever

Disc

stainless steel

Execution

flange mounting valve

Sleeve

NBR (EPDM on request)

7.3.4

Art.code: GGG—ASK—AKRG—NBR—09999—

0840

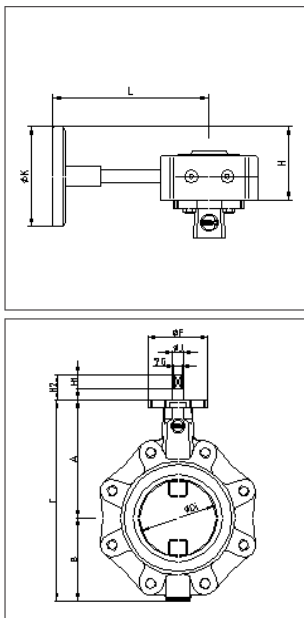
SDR	di (mm)	d (mm)	DN (mm)	e (mm)	PN (bar)	Art. No.	€ / Stk
11	38	50	40	4.6		010039917	171,45
11	48,5	63	50	5.8	10	020307996	211,45
11	63,5	75	65	6.8	10	020307997	211,45
11	78,5	90	80	8.2	10	020307998	265,70
11	98,5	110	100	10.0	10	020307999	300,00
11	98,5	125	100	11.4	10	020308000	325,70
11	111	140	125	12.7	10	020308001	465,70
11	123	160	150	14.6	10	020308002	520,00
11	148	180	150	16.4	10	020308003	520,00
11	161,5	200	200	18.2	10	020308004	737,15
11	182	225	200	20.5	10	020308005	737,15
17	38	50	40	3.0	6.3	010039916	171,45
17	48,5	63	50	3.8	6.3	020307978	211,45
17	63,5	75	65	4.5	6.3	020307979	211,45
17	78,5	90	80	5.4	6.3	020307980	265,70
17	98,5	110	100	6.6	6.3	020307981	300,00
17	98,5	125	100	7.4	6.3	020307982	325,70
17	123	140	125	8.3	6.3	020307983	465,70
17	123	160	150	9.5	6.3	020307984	520,00
17	148	180	150	10.7	6.3	020307985	520,00
17	161,5	200	200	11.9	6.3	020307986	737,15
17	198	225	200	13.4	6.3	020307987	737,15

Metal Butterfly valves Type Z414A with GGG40 body, **SIMONA** hand lever (SDR 17/11)

7.3.4



Product image for illustration purposes only.



Pressure

SDR 11 - 17/17,6 up to PN 10

Body

GGG40

Connection Inch

PN 10 nach DIN EN 1092/1 (ersetzt ISO/DIN 2501)

Actuator

manually with hand lever

Disc

stainless steel

Execution

flange mounting valve

Sleeve

NBR (on request)

Art.code: GGG—ASK—AKHR—NBR—09999—

0840

SDR	di (mm)	d (mm)	DN (mm)	e (mm)	PN (bar)	Art. No.	€/ Stk
11	38	50	40	4.6		010039921	285,70
11	48,5	63	50	5.8	10	020308050	325,70
11	63,5	75	65	6.8	10	020308051	325,70
11	78,5	90	80	8.2	10	020308052	371,45
11	98,5	110	100	10.0	10	020308053	405,70
11	98,5	125	100	11.4	10	020308054	431,45
11	111	140	125	12.7	10	020308055	571,45
11	123	160	150	14.6	10	020308056	620,00
11	148	180	150	16.4	10	020308057	648,55
11	161,5	200	200	18.2	10	020308058	865,70
11	182	225	200	20.5	10	020308059	865,70
11	198	250	250	22.7	10	020308060	1.434,30
11	224,5	280	250	25.4	10	020308061	1.554,30
11	248	315	300	28.6	10	020308062	2.022,85
11	286	355	350	32.2	10	020308063	2.282,85
11	368	400	400	36.3	10	020308064	3.025,70
11	365,5	450	500	40.9	10	020308065	5.368,55
11	390	500	500	45.4	10	020308066	5.782,85
11	426	560	600	50.8	6.3	010039922	9.522,85
11	489	630	600	57.2	6.3	010039923	9.617,15
17	38	50	40	3.0	6.3	010039918	285,70
17	48,5	63	50	3.8	6.3	020308032	325,70
17	63,5	75	65	4.5	6.3	020308033	325,70
17	78,5	90	80	5.4	6.3	020308034	371,45
17	98,5	110	100	6.6	6.3	020308035	405,70
17	98,5	125	100	7.4	6.3	020308036	431,45
17	123	140	125	8.3	6.3	020308037	571,45
17	123	160	150	9.5	6.3	020308038	620,00
17	148	180	150	10.7	6.3	020308039	648,55
17	161,5	200	200	11.9	6.3	020308040	865,70
17	198	225	200	13.4	6.3	020308041	865,70
17	198	250	250	14.8	6.3	020308042	1.434,30
17	248	280	250	16.6	6.3	020308043	1.554,30
17	248	315	300	18.7	6.3	020308044	2.022,85
17	296	355	350	21.1	6.3	020308045	2.282,85
17	337,5	400	400	23.7	6.3	020308046	3.025,70

Metal Butterfly valves Type Z414A with GGG40 body, hand lever (SDR 17/11)

SIMONA

Art.code: GGG—ASK—AKHR-NBR—09999—

0840

SDR	di (mm)	d (mm)	DN (mm)	e (mm)	PN (bar)	Art. No.	€ / Stk
17	390	450	500	26.7	6.3	020308047	5.368,55
17	426	500	500	29.7	6.3	020308048	5.782,85
17	489	560	600	33.2	6.3	010039919	9.522,85
17	538	630	600	37.4	6.3	010039920	9.617,15

7.3.4

■ 7 Valves

7.4 Accessories

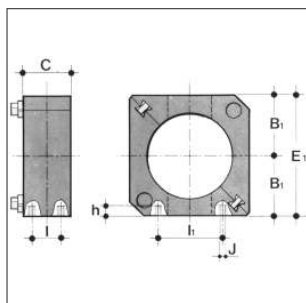
7.4.1

7.4.1 Ball valve brackets

Ball valve brackets for 2-way ball valves PP/PVDF

264

7.4.1



Art.code: ZUBE-KUGELHAHNHALTERUNG—GR09300

0950

C (mm)	d (mm)	kg/piece	Art. No.	€ / Stk
35	16	0.075	021500033	46,90
35	20	0.075	021500034	46,90
35	25	0.095	021500035	53,65
41	32	0.175	021500036	64,10
46	40	0.250	021500037	66,70
46	50	0.270	021500038	70,75
52	63	0.420	021500039	75,15

■ 7 Valves

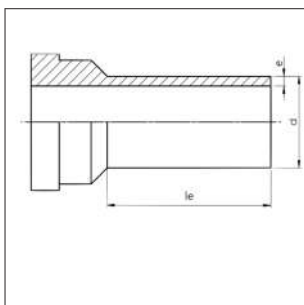
7.4 Accessories

7.4.2

7.4.2 PP Inserts for connections of 2-way and 3-way ball valves

PP-H Inserts female fusion ends DIN/ISO	266
PP-H Inserts male fusion ends DIN/ISO	267
PP-H Inserts elongated spigot butt fusion ends SDR 11	268
PP-H Inserts conical threaded female ends R	269

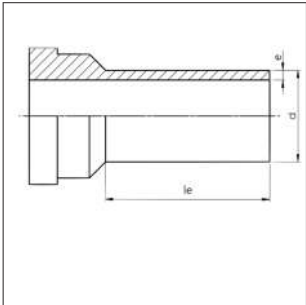
7.4.2



Art.code: PPH—ET—KS—GR09300—

0950

d (mm)	Art. No.	€ / Stk
20	021600030	6,65
25	021600031	7,25
32	021600032	8,45
40	021600033	10,80
50	021600034	15,60
63	021600035	19,45
75	021600036	31,75
90	021600037	41,15
110	021600038	49,50



Art.code: PPH—ET—MS—GR09300—			0950
d (mm)	Art. No.	€ / Stk	
20	021600039	6,65	
25	021600040	7,25	
32	021600041	8,45	
40	021600042	10,80	
50	021600043	15,60	
63	021600044	19,45	
75	021600045	31,75	
90	021600046	41,15	
110	021600047	49,50	

PP-H Inserts elongated spigot butt fusion ends SDR 11



7.4.2

Art.code: PPH—ET—LS—GR09300—

0950

d (mm)	Art. No.	€ / Stk
20	021600048	15,30
25	021600049	17,15
32	021600050	20,25
40	021600051	24,75
50	021600052	28,35
63	021600053	36,55
75	021600054	62,65
90	021600055	79,95
110	021600056	118,70

PP-H Inserts conical threaded female ends R



7.4.2

Art.code: PPH—ET—GM—GR09300—			0950	
R	d	Art. No.	€ / Stk	
(")	(mm)			
1.5	20	021600018	14,05	
1.5	25	021600019	16,60	
1.5	32	021600020	18,95	
1.5	40	021600021	22,80	
1.5	50	021600022	25,30	
1.5	63	021600023	33,95	

■ 7 Valves

7.4 Accessories

7.4.3

7.4.3 PVDF Inserts for connections of 2-way ball valves

PVDF Inserts female fusion ends DIN/ISO	272
PVDF Inserts male socket fusion ends DIN/ISO	273
PVDF Union insert, injected, for union piece, for socket welding	274

PVDF Inserts female fusion ends DIN/ISO



7.4.3

Art.code: PVDF—ET—MS—NA09150—			0950
d (mm)	Art. No.	€ / Stk	
16	021600001	*	
20	021600002	*	
25	021600003	*	
32	021600004	*	
40	021600005	*	
50	021600006	*	
63	021600007	*	
75	021600008	*	
90	021600009	*	

* on request

PVDF Inserts male socket fusion ends DIN/ISO



7.4.3

Art.code: PVDF—ET—KS—NA09150—

0950

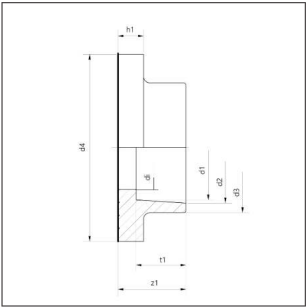
d (mm)	Art. No.	€ / Stk
20	021600011	*
25	021600012	*
32	021600013	*
40	021600014	*
50	021600015	*
63	021600016	*
75	021600017	*
90	021600010	*

* on request

PVDF Union insert, injected, for union piece, for socket welding (SDR 11)

SIMONA

7.4.3



Colour
natural

Art.code: PVDF—ET—MS—FG—NA09150—

SDR	d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d1 (mm)	z1 (mm)	h1 (mm)	t1 (mm)	Art. No.	€ / Stk
11	20	19	19.2	26.7	30.1	13	19	5	14.5	023400031	*
11	25	23.9	24.2	35.1	38.8	18	21	5	16	023400032	*
11	32	30.9	31.1	41	44.7	25	23	5.5	18	023400033	*
11	40	38.8	39	52	56.5	31	25	6.5	20.5	010058131	*
11	50	48.7	48.9	58.5	62.6	39	28	7	23.5	010058132	*
11	63	61.6	61.9	72.7	78.4	49	32.7	7.5	27.5	010058135	*

* on request

■	7 Valves	7.4 Accessories	7.4.4
		7.4.4 Mounting plates	
		Mounting plates for diaphragm valves PP	276

Mounting plates for diaphragm valves PP



7.4.4

Art.code: ZUBE-MONTAGEPLATTE-MV-20-32—09999—			0950
d (mm)	d	Art. No.	€ / Stk
20	20.0-32.0	088058184	9,65
40	40.0-63.0	088058185	9,65

■ 7 Valves

7.4 Accessories

7.4.5

7.4.5 Locking devices

Locking devices for diaphragm valves PP/PVDF

278

7.4.5

Art.code: ZUBE-SCHLOSS-MV-63—09999—			0950
d (mm)	d	Art. No.	€ / Stk
20	20.0-50.0	021500066	24,10
63	63.0	021500067	35,45
75	75.0-110.0	021500068	42,85

■	7 Valves	7.4 Accessories	7.4.6
		7.4.6 Electrical position indicators	
		Electrical position indicators for diaphragm valve PP/PVDF	280

Electrical position indicators for diaphragm valve PP/ PVDF **SIMONA**

7.4.6

Remark
with micro-switches, IP 65

Art.code: ZUBE-ELEKTR-RM-MV-63—09999—			0950	
d (mm)	d	Art. No.	€/ Stk	
20	20.0-32.0	088056025	30,90	
20	40.0-50.0	088056029	30,90	
63	63.0	088056030	30,90	
75	75.0-110.0	088004363	30,90	

Appendix

Legal notice	2
Correlation between SDR and PN	2
Approvals/standards	3
National and international approvals	4
Material properties	5
Key	6
SIMONA worldwide	7

Legal notice

The prices listed in this overview shall be regarded as recommended retail prices, i.e. list prices. Unless expressly agreed otherwise, all prices are listed exclusive of VAT, i.e., sales tax, which shall be added at the applicable rate, and include standard packaging ex works.

All deliveries and services shall be governed exclusively by our Standard Terms and Conditions (STC) in the version applicable at the time, which can be accessed at www.simona.de.

All information provided shall be regarded as general product and price information. No liability can be accepted for the information provided. We reserve the right to make technical changes and adjustments to prices, dimensions, weights, designs, and variants at any time. Dimensions and weights shall be considered theoretical data and are subject to standard production tolerances.

This online publication corresponds to the current state at the time of download. Upon conclusion of a contract, the latest version of the price and product information available on our website www.simona.de shall apply accordingly.

The information provided shall not constitute a legally binding guarantee or warranty of specific properties or suitability for a particular purpose. SIMONA accepts no liability for the application, use, processing, or other utilization of its products or the information provided. The purchaser shall be obliged to check the suitability of our products for their intended use on his own responsibility.

Please note that our products may not be used for implants or any application within the human body.

You will find our complete Standard Terms and Condition [here](#):

www.simona.de/agb

Correlation between SDR and PN

	PE 100	PP-H AlphaPlus®	PP-R	PVDF	ECTFE
Safety factor SF	1.25	1.6	1.25	1.6	2.5
SDR					
41	4	3.1	3.8		
33	5	3.9	4.8	10	
26	6.3	4.9	6.1		
21	8			16	10
17.6	9.6	7.5	9.3		
17	10				
13.6	12.5				
11	16	12.4	15.4		
9	20				
7.4	25	19.7	24.5		

① PN is valid for water at 20 °C and a calculated life expectancy of 50 years.
In case of welded fittings made of pipes pressure reduction factors may arise.

The European standards DIN 8074/8075 (PE) and DIN 8077/8078 (PP) as well as the application-specific DIN EN and ISO standards distinguish between different safety factors, leading to different PN loads for a given pipe geometry, i.e. outer diameter – wall thickness ratio (SDR). The table above is designed to illustrate the correlation. In practice, users can select safety factors according to their requirements. For further details, please refer to our [engineering manual for piping systems](#).

Note

SDR, Standard Dimension Ratio, corresponds to the outer diameter of pipe divided by wall thickness. Some of the PE 100 fittings are indicated with the SDR denomination SDR 17/17.6. These items are produced within the tolerance range of SDR 17 and SDR 17.6. These fittings can consequently be connected to component parts of pressure rating SDR 17 or SDR 17.6 by heated element butt welding and, if suitable, by heated coil welding (with elongated spigots) as well.

Approvals/standards

Approvals/standards

	Dimensions, general quality requirements and tests	Standards and guidelines also applicable	Test symbols
Pipes			
PE 100 pressure pipes PE 100 industrial and waste water pressure pipes	DIN 8074/8075	DIN EN ISO 15494	DIBt: Z-40.23-311 (for water-endangering liquids, §19 WHG)
PE 100 waste water pressure pipes	DIN EN 12201	DIN 8074/8075	
PE 100 drinking water pipes	DIN EN 12201, DVGW GW 335 – Part A2	DIN 8074/8075	DVGW, WRAS
PE 100 gas pipes	DIN EN 1555, DVGW GW 335 – Part A2	DIN 8074/8075	DVGW
PE 80 CoEx sewer pipes	DIN EN 12666	Based on DIN 8074/8075	
PE 80 effluent pipes	DIN EN 1519	DIN 8074/8075	
PE 100 RC pressure pipes	DIN EN ISO 12201	DIN 8074/8075	PAS 1075 Type 1/2
PE 100 SPC protective-jacket pipes PE 100 SPC-RC pipes	Inner pipe based on DIN 8074/8075 DIN EN ISO 12201	Protective jacket as per DIN 4033 (DIN EN ISO 1610)	PAS 1075 Type 3 DVGW
PE-EL pressure pipes	DIN 8074/8075		
PP-H AlphaPlus® pressure pipes	DIN 8077/8078	DIN EN ISO 15494	DIBt: Z-40.23-325 (for water-endangering liquids, §19 WHG)
PPs ventilation pipes	Based on DIN 8077/8078	DIN 4102, fire protection classification B1	MPA: P-BWU03-I-16.5.8 (low-flammability building material)
PP-EL-s ventilation pipes	Based on DIN 8077/8078	UL 94 V-0, fire protection classification V-0	
PVDF pressure pipes	DIN EN ISO 10931		DIBt: Z-40.23-323 (for water-endangering liquids, §19 WHG) FM-approval (fire protection): 3003707, class number 4910
E-CTFE pressure pipes	Based on DIN EN ISO 10931		

Fittings

PE 100 injection-moulded fittings	DIN EN 12201	DIN EN ISO 15494	DIBt: Z-40.23-322 (for water-endangering liquids, §19 WHG)
PE 100 injection-moulded fittings for drinking water	DIN EN 12201	DVGW GW 335 – Part B2	DVGW, WRAS, PIIP, KIWA, GOST (ROCT)
PE 100 injection-moulded fittings for gas	DIN EN 1555	DVGW GW 335 – Part B2	DVGW, PIIP, GOST (ROCT)
PE 100 injection-moulded fittings for waste water pressure pipes	DIN EN 12201		
PE 80/PE 100 fittings for sewers and waste water pipes	DIN EN 12201	DIN EN ISO 15494	DVGW
PP injection-moulded fittings	DIN EN ISO 15494		DIBt: Z-40.23-326 (for water-endangering liquids, §19 WHG), GOST (ROCT)
PVDF injection moulding	DIN EN ISO 10931		DIBt: Z-40.23-324 (for water-endangering liquids, §19 WHG) FM-approval (fire protection): 3003707, class number 4910, GOST (ROCT)

Regular external monitoring is performed by the following state-approved testing bodies: TÜV South Germany, SKZ, MPA Darmstadt, KIWA Netherlands, IIP Italy, FM Global, LNE, MPA Stuttgart, SKZ, TGM, IGH, MFPA, DB, Approvalmark, NSF.

National and international approvals

SIMONA products comply with all principal regulations and standards. Our products regularly undergo inspection and long-term testing: at our own engineering laboratory and at independent test organisations.

PE*

PE*, PP*

	
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PE*, PP*, PVDF*

		
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PVDF*



*For details on the respective approved products, please contact our Technical Service Center at the following e-mail address: tsc@simona-group.com.

Material properties

Material specifications

	PE 100	PE 100 RC	PE RT Type II	PE-EL	PP-H Alpha-Plus®	PP-R	PPs	PP-EL-s	PVDF	ECTFE
Density, g/cm ³ , DIN EN ISO 1183	0.960	0.960	0.947	1.05	0.915	0.910	0.950	1.170	1.780	1.680
Yield stress, MPa, DIN EN ISO 527	23	23	22	26	33	22	32	25	55	31
Elongation at yield, %, DIN EN ISO 527	9	9	8	7	8	12	8	7	8	4
Tensile modulus of elasticity, MPa, DIN EN ISO 527	1100	1100	850	1300	1700	850	1600	1400	1950	1650
Impact strength, kJ/m ² , DIN EN ISO 179	no break	no break	no break	no break	no break	no break	no break	no break	no break	no break
Notched impact strength, kJ/m ² , DIN EN ISO 179	25	30	22	6	9	25	6	5	12	≥ 100
Shore hardness D, DIN EN ISO 868	64	63	59	67	72	62	72	70	78	72
Mean coefficient of linear thermal expansion, K ⁻¹ , ISO 11359-2	1.8·10 ⁻⁴	1.8·10 ⁻⁴	1.8·10 ⁻⁴	1.8·10 ⁻⁴	1.6·10 ⁻⁴	1.6·10 ⁻⁴	1.6·10 ⁻⁴	1.6·10 ⁻⁴	1.3·10 ⁻⁴	1.0·10 ⁻⁴
Thermal conductivity, W/m·K, DIN 52612	0.38	0.38	0.38	–	0.22	0.22	0.22	–	0.14	0.15
FNCT, Hours, ISO 16770/PAS 1075	> 300 ^①	> 3300 ^①	> 100 ^①	–	> 500 ^①	> 500 ^①	–	–	> 200 ^②	–
Specific surface resistance, Ohm, DIN EN 62631-3-1	≥10 ¹³	≥10 ¹³	≥10 ¹³	≤ 10 ⁶	≥10 ¹³	≥10 ¹³	≥10 ¹³	≤ 10 ⁶	≥10 ¹³	≥10 ¹³
Fire behaviour, DIN 4102	B2	B2	B2	B2	B2	B2	B1	B2 ^③	B1	B1
Physiological acceptability as per BfR	yes	yes	yes	no	yes	yes	no	no	yes	yes
Chemical resistance DVS 2205-1	fulfilled BB 5	fulfilled BB 5	fulfilled BB 5	–	fulfilled BB 5	fulfilled BB 5	–	–	fulfilled BB 4	fulfilled BB 4
Temperature range, °C	– 40 to +80	– 40 to +80	– 40 to +100	– 20 to +80	0 to +120	–20 to +80	0 to +100	0 to +80	– 30 to +140	– 40 to +150
MRS, MPa, ISO 9080	10	10	9	8	10	8	–	–	–	–
OIT, min, ISO 11357-6	30	30	30	20	–	–	–	–	–	–

① 80 °C/4 MPa

② 95 °C/6 MPa

③ UL 94-V0

All material specifications are deemed to be approximate values in respect of the specific material and may vary depending on the processing methods used. Suitability of materials for a specific field of application must be assessed by the party responsible for processing or the end-user. All technical specifications presented herein are designed merely to provide assistance in terms of project planning. They do not constitute a guarantee of specific properties or qualities.

Key

Materials

PE	polyethylene
PE-EL	polyethylene, electrically conductive
PE RC	polyethylene, resistant to crack
PE RT Typ II	polyethylene, raised temperature type II
PP-H AlphaPlus®	polypropylene, homopolymer, alpha-nucleated
PP-R	polypropylene, random copolymer
PPs	polypropylene, flame retardant
PP-EL-s	polypropylene, electrically conductive, flame retardant
PVDF	polyvinylidene fluoride
ECTFE	ethylene-chlorotrifluoroethylene

Norms, guidelines

ANSI	American National Standard Institute
DIBt	Deutsches Institut für Bautechnik
DIN	Deutsche Industrienorm
DVGW	Deutscher Verband für Gas und Wasser
PAS	Publicly Available Specification
EN	European standard
FM	Factory Mutual Research
ISO	International Standardization Organisation
TÜV	Technischer Überwachungsverein
WRAS	Water Regulations Advisory Scheme
LNE	Laboratoire National d'Essais
IIP	Istituto Italiano dei Plastici
KIWA	Independent certification body
GOST	Gossudarstvenny Standart (Nat. standard)

Abbreviations, measures and dimensions

d	outer diameter of pipe
DN	nominal diameter
e	wall thickness
kg	kilogram
kg/m	kilogram per meter
m	meter
mm	millimeter
NPT	threaded female/male end, conical
PN	nominal pressure
R	threaded male end, conical
Rp	threaded female end, cylindric
SF	Safety factor

Materials (seals)

EPDM	ethylene-propylene-caoutchouc
FPM	fluorocaoutchouc
NBR	nitrile rubber

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