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akatherm

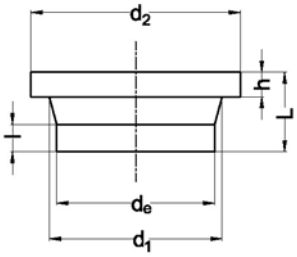
PE100 pressure fittings

Stub flange short SDR 33

for butt-welding

PE100
SDR 33
water 3,2 bar





d_e	Art. Nr.		h	l	d_1	d_2	L
110	**47 11 02 533**		18	34	125	158	80
125	**47 12 02 533**		18	38	132	158	80
140	**47 14 02 533**		18	32	155	188	80
160	**47 16 02 533**		18	26	175	212	80
180	**47 18 02 533**		18	31	183	212	80
200	**47 20 02 533**		18	34	232	268	100
225	**47 22 02 533**		18	46	235	268	100
250	**47 25 02 533**		20	71	285	320	132
280	**47 28 02 533**		20	62	291	320	128
315	**47 31 02 533**		20	71	335	370	136
355	**47 35 02 533**		23	57	373	430	120
400	**47 40 02 533**		26	49	427	482	120
450	**47 45 02 533**		33	27	514	585	120
500	**47 50 02 533**		33	37	530	585	120
560	**47 56 02 533**		35	25	615	685	120
630	**47 63 02 533**		35	45	642	685	120
710	**47 71 02 533**	*	35	35	737	800	120
800	**47 80 02 533**	*	36	34	840	905	120
900	**47 90 02 533**	*	40	30	944	1005	120
1000	**47 91 02 533**	*	42	28	1047	1110	140
1200	**47 92 02 533**	*	50	20	1245	1330	140

* *fabrication on order, returning not possible*

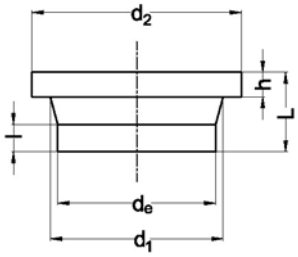
With grooved jointing face.

Stub flange short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		h	l	d_1	d_2	L
40	**47 04 02 517**		11	24	50	78	50
50	**47 05 02 517**		12	21	61	88	50
63	**47 06 02 517**		14	16	75	102	50
75	**47 07 02 517**		16	14	89	122	50
90	**47 09 02 517**		17	33	105	138	80
110	**47 11 02 517**		18	27	125	158	80
125	**47 12 02 517**		18	42	132	158	80
140	**47 14 02 517**		18	34	155	188	80
160	**47 16 02 517**		18	34	175	212	80
180	**47 18 02 517**		20	60	182	212	80
200	**47 20 02 517**		24	36	232	268	100
225	**47 22 02 517**		24	46	235	268	100
250	**47 25 02 517**		25	35	285	320	100
280	**47 28 02 517**		25	45	291	320	100
315	**47 31 02 517**		25	35	335	370	100
355	**47 35 02 517**		30	30	373	430	120
400	**47 40 02 517**		33	42	427	482	120
450	**47 45 02 517**		46	14	514	585	120
500	**47 50 02 517**		46	24	530	585	120
560	**47 56 02 517**		50	10	615	685	120
630	**47 63 02 517**		50	30	642	685	120
710	**47 71 02 517**	*	50	20	737	800	120
800	**47 80 02 517**	*	52	18	840	905	120
900	**47 90 02 517**	*	55	15	944	1005	120
1000	**47 91 02 517**	*	60	10	1047	1110	140

* *fabrication on order, returning not possible*

With grooved jointing face.

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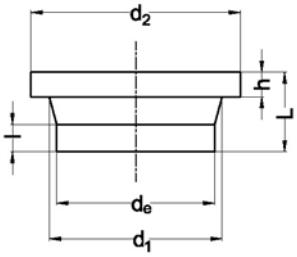
PE100 pressure fittings

Stub flange short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		h	l	d_1	d_2	L
20	**47 01 02 511**		7	30	27	45	50
25	**47 02 02 511**		9	26	33	58	50
32	**47 03 02 511**		10	25	40	68	50
40	**47 04 02 511**		11	24	50	78	50
50	**47 05 02 511**		12	21	61	88	50
63	**47 06 02 511**		14	16	75	102	50
75	**47 07 02 511**		16	14	89	122	50
90	**47 09 02 511**		17	33	105	138	80
110	**47 11 02 511**		18	27	125	158	80
125	**47 12 02 511**		25	25	132	158	80
140	**47 14 02 511**		25	27	155	188	80
160	**47 16 02 511**		25	34	175	212	80
180	**47 18 02 511**		30	60	182	212	80
200	**47 20 02 511**		32	36	232	268	100
225	**47 22 02 511**		32	46	235	268	100
250	**47 25 02 511**		35	35	285	320	100
280	**47 28 02 511**		35	45	291	320	100
315	**47 31 02 511**		35	35	335	370	100
355	**47 35 02 511**		40	30	373	430	120
400	**47 40 02 511**		46	42	427	482	120
450	**47 45 02 511**		60	14	514	585	120
500	**47 50 02 511**		60	24	530	585	120
560	**47 56 02 511**		60	10	615	685	120
630	**47 63 02 511**		60	30	642	685	120
710	**47 71 02 511**	*	67	20	737	800	120

* *fabrication on order, returning not possible*

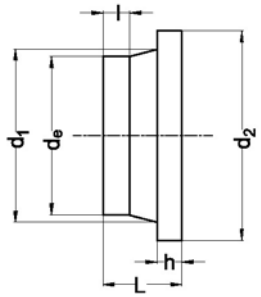
With grooved jointing face.

Stub flange short SDR 17 for FIP butterfly valve type FE and FK

PE100
SDR 17
water 10 bar

for butt-welding





d_e/DN	Art. Nr.		h	l	d_1	d_2	L
50/40	**47 05 72 517**		12	21	61	88	50
63/50	**47 06 72 517**		14	16	75	102	50
75/65	**47 07 72 517**		16	14	89	122	50
90/80	**47 09 72 517**		17	33	105	138	80
110/100	**47 11 72 517**		18	27	125	158	80
125/100	**47 12 72 517**		18	42	132	158	80
140/125	**47 14 72 517**		18	34	155	188	80
160/150	**47 16 72 517**		18	34	175	212	80
180/150	**47 18 72 517**		20	60	182	212	80
200/200	**47 20 73 517**	*	24	36	232	268	100
225/200	**47 22 72 517**		24	46	235	268	100
250/250	**47 25 73 517**	*	25	35	285	320	100
280/250	**47 28 72 517**		25	45	291	320	100
315/300	**47 31 73 517**	*	25	35	335	370	100

* *machined for free movement of disc*

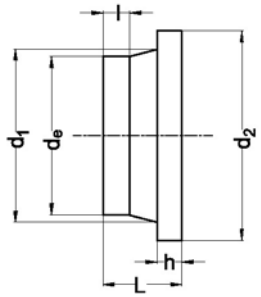
With flat jointing face.
Suitable for installation on both sides of the butterfly valve.
Dimensions are adapted to the profile backing ring for stub flange.

Stub flange short SDR 11 for FIP butterfly valve type FE and FK

PE100
SDR 11
water 16 bar

for butt-welding





d_e/DN	Art. Nr.		h	l	d_1	d_2	L
50/40	**47 05 72 511**		12	21	61	88	50
63/50	**47 06 72 511**		14	16	75	102	50
75/65	**47 07 72 511**		16	14	89	122	50
90/80	**47 09 72 511**		17	33	105	138	80
110/100	**47 11 72 511**		18	27	125	158	80
125/100	**47 12 72 511**		25	25	132	158	80
140/125	**47 14 72 511**		25	27	155	188	80
160/150	**47 16 73 511**	*	25	34	175	212	80
180/150	**47 18 72 511**		30	60	182	212	80
200/200	**47 20 73 511**	*	32	36	232	268	100
225/200	**47 22 73 511**	*	32	46	235	268	100
250/250	**47 25 73 511**	*	35	35	285	320	100
280/250	**47 28 73 511**	*	35	45	291	320	100
315/300	**47 31 73 511**	*	35	35	335	370	100

* *machined for free movement of disc*

With flat jointing face.
Suitable for installation on both sides of the butterfly valve.
Dimensions are adapted to the profile backing ring for stub flange.

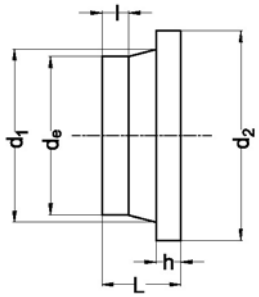
PE100 pressure fittings

Stub flange short SDR 17 for entrance side FIP check valve type CR and FR

PE100
SDR 17
water 10 bar

for butt-welding





d_e/DN	Art. Nr.	h	l	d_1	d_2	L
50/40	**47 05 72 517**	12	21	61	88	50
63/50	**47 06 72 517**	14	16	75	102	50
75/65	**47 07 72 517**	16	14	89	122	50
90/80	**47 09 72 517**	17	33	105	138	80
110/100	**47 11 72 517**	18	27	125	158	80
125/100	**47 12 72 517**	18	42	132	158	80
140/125	**47 14 72 517**	18	34	155	188	80
160/150	**47 16 72 517**	18	34	175	212	80
180/150	**47 18 72 517**	20	60	182	212	80
200/200	**47 20 72 517**	24	36	232	268	100
225/200	**47 22 72 517**	24	46	235	268	100
250/250	**47 25 72 517**	25	35	285	320	100
280/250	**47 28 72 517**	25	45	291	320	100
315/300	**47 31 72 517**	25	35	335	370	100

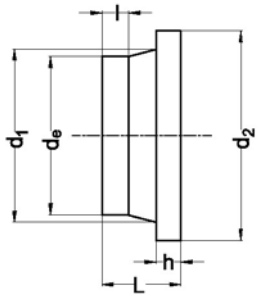
With flat jointing face.
Suitable for installation on entrance side. Install stub flange extended short CR/FR on exit side.
Dimensions are adapted to the profile backing ring for stub flange.

Stub flange short SDR 11 for entrance side FIP check valve type CR and FR

PE100
SDR 11
water 16 bar

for butt-welding





d_e/DN	Art. Nr.	h	l	d_1	d_2	L
50/40	**47 05 72 511**	12	21	61	88	50
63/50	**47 06 72 511**	14	16	75	102	50
75/65	**47 07 72 511**	16	14	89	122	50
90/80	**47 09 72 511**	17	33	105	138	80
110/100	**47 11 72 511**	18	27	125	158	80
125/100	**47 12 72 511**	25	25	132	158	80
140/125	**47 14 72 511**	25	27	155	188	80
160/150	**47 16 72 511**	25	34	175	212	80
180/150	**47 18 72 511**	30	60	182	212	80
200/200	**47 20 72 511**	32	36	232	268	100
225/200	**47 22 72 511**	32	46	235	268	100
250/250	**47 25 72 511**	35	35	285	320	100
280/250	**47 28 72 511**	35	45	291	320	100
315/300	**47 31 72 511**	35	35	335	370	100

With flat jointing face.
Suitable for installation on entrance side. Install stub flange extended short CR/FR on exit side. Dimensions are adapted to the profile backing ring for stub flange.

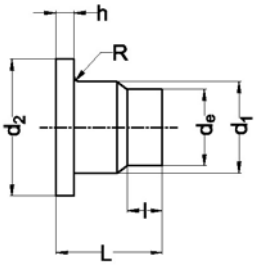
Stub flange extended short SDR 17 for exit side FIP check valve type CR and FR

PE100
SDR 17
water 10 bar

for butt-welding



d_e/DN	Art. Nr.	h	l	d_1	d_2	L	R
50/40	**47 05 71 517**	12	20	61	90	50	3
63/50	**47 06 71 517**	14	20	75	105	54	4
75/65	**47 07 71 517**	16	20	89	125	58	4
90/80	**47 09 71 517**	17	40	105	138	92	4
110/100	**47 11 71 517**	18	40	125	160	92	4
140/125	**47 14 71 517**	18	40	155	190	100	4
160/150	**47 16 71 517**	18	40	175	215	120	4
225/200	**47 22 71 517**	24	40	235	270	165	4
280/250	**47 28 71 517**	25	40	291	325	195	6
315/300	**47 31 71 517**	25	40	335	375	250	6



With flat jointing face. Extended for free movement of disc.
Suitable for installation on exit side. Install stub flange short CR/FR on entrance side.
Dimensions are adapted to the profile backing ring for stub flange.
Fabrication on order.

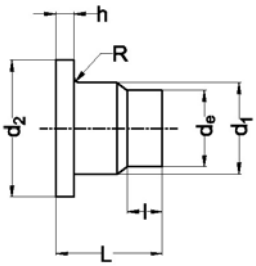
Stub flange extended short SDR 11 for exit side FIP check valve type CR and FR

PE100
SDR 11
water 16 bar

for butt-welding



d_e/DN	Art. Nr.	h	l	d_1	d_2	L	R
50/40	**47 05 71 511**	12	20	61	90	50	3
63/50	**47 06 71 511**	14	20	75	105	56	4
75/65	**47 07 71 511**	16	20	89	125	65	4
90/80	**47 09 71 511**	17	35	105	138	92	4
110/100	**47 11 71 511**	18	35	125	160	92	4
140/125	**47 14 71 511**	18	40	155	190	110	4
160/150	**47 16 71 511**	18	40	175	215	120	4
225/200	**47 22 71 511**	26	56	235	270	180	4
280/250	**47 28 71 511**	35	40	291	325	220	6
315/300	**47 31 71 511**	35	40	335	375	270	6



With flat jointing face. Extended for free movement of disc.
Suitable for installation on exit side. Install stub flange short CR/FR on entrance side.
Dimensions are adapted to the profile backing ring for stub flange.
Fabrication on order.

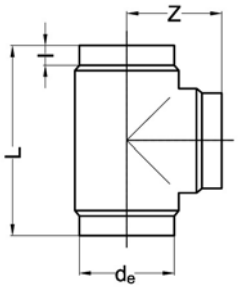
PE100 pressure fittings

Tee 90° short SDR 33

for butt-welding

PE100
SDR 33
water 3,2 bar





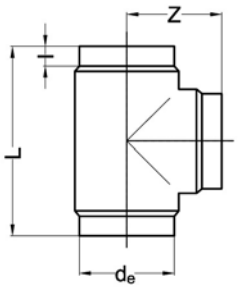
d_e	Art. Nr.	L	Z	l
110	**39 11 01 533**	249	121	50
125	**39 12 01 533**	262	132	47
140	**39 14 01 533**	293	145	48
160	**39 16 01 533**	318	160	55
180	**39 18 01 533**	356	175	59
200	**39 20 01 533**	385	194	55
225	**39 22 01 533**	442	212	59
250	**39 25 01 533**	465	232	70
280	**39 28 01 533**	536	268	80
315	**39 31 01 533**	530	263	75
355	**39 35 01 533**	658	330	95
400	**39 40 01 533**	690	345	104
450	**39 45 01 533**	890	450	130
500	**39 50 01 533**	895	450	130

Tee 90° short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





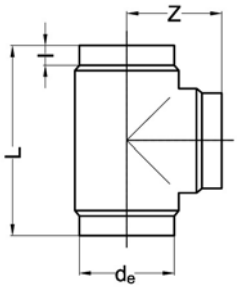
d_e	Art. Nr.	L	Z	l
40	**39 04 01 517**	88	44	16
50	**39 05 01 517**	116	58	21
63	**39 06 01 517**	146	73	24
75	**39 07 01 517**	170	85	28
90	**39 09 01 517**	200	100	23
110	**39 11 01 517**	240	120	43
125	**39 12 01 517**	250	125	26
140	**39 14 01 517**	280	140	32
160	**39 16 01 517**	320	160	40
180	**39 18 01 517**	390	195	73
200	**39 20 01 517**	430	215	64
225	**39 22 01 517**	490	245	72
250	**39 25 01 517**	550	275	86
280	**39 28 01 517**	620	310	105
315	**39 31 01 517**	700	350	111
355	**39 35 01 517**	680	340	101
400	**39 40 01 517**	680	338	95
450	**39 45 01 517**	900	450	130
500	**39 50 01 517**	900	450	130

Tee 90° short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





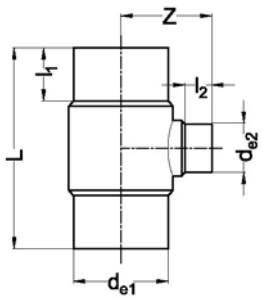
d_e	Art. Nr.	L	Z	l
20	**39 01 01 511**	50	25	8
25	**39 02 01 511**	60	30	10
32	**39 03 01 511**	80	40	12
40	**39 04 01 511**	88	44	16
50	**39 05 01 511**	116	58	21
63	**39 06 01 511**	146	73	24
75	**39 07 01 511**	170	85	28
90	**39 09 01 511**	200	100	23
110	**39 11 01 511**	240	120	43
125	**39 12 01 511**	250	125	26
140	**39 14 01 511**	280	140	32
160	**39 16 01 511**	320	160	40
180	**39 18 01 511**	390	195	73
200	**39 20 01 511**	430	215	64
225	**39 22 01 511**	490	245	72
250	**39 25 01 511**	550	275	86
280	**39 28 01 511**	620	310	105
315	**39 31 01 511**	700	350	111
355	**39 35 01 511**	680	340	101
400	**39 40 01 511**	680	338	95
450	**39 45 01 511**	900	450	130
500	**39 50 01 511**	900	450	130

Tee 90° reduced short SDR 17

with reduced branch
for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





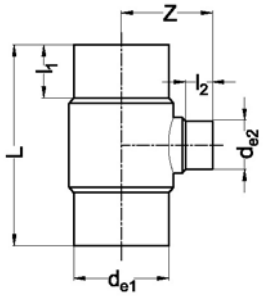
d_{e1}/d_{e2}	Art. Nr.	L	Z	l_1	l_2
110/90	**28 11 09 517**	240	115	48	38
125/63	**28 12 06 517**	264	110	70	31
140/63	**28 14 06 517**	300	120	83	32
140/75	**28 14 07 517**	300	130	81	35
140/90	**28 14 09 517**	300	130	81	41
140/110	**28 14 11 517**	300	137	50	47
160/110	**28 16 11 517**	320	145	56	38
160/125	**28 16 12 517**	315	150	58	47
180/63	**28 18 06 517**	358	134	125	30
180/75	**28 18 07 517**	360	140	112	30
180/125	**28 18 12 517**	358	160	92	50
225/110	**28 22 11 517**	440	264	89	89
225/125	**28 22 12 517**	445	180	135	40
225/160	**28 22 16 517**	470	200	89	60

PE100 pressure fittings

Tee 90° reduced short SDR 11
with reduced branch
for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar



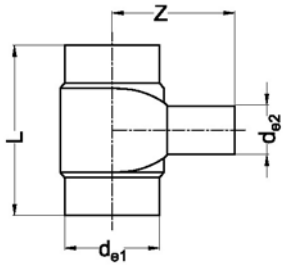


d_{e1}/d_{e2}	Art. Nr.	L	Z	l_1	l_2
90/50	**28 09 05 511**	213	90	53	28
110/32	**28 11 03 511**	244	94	66	22
110/50	**28 11 05 511**	244	103	66	27
110/63	**28 11 06 511**	240	105	48	32
110/90	**28 11 09 511**	240	115	48	38
125/63	**28 12 06 511**	278	112	70	31
140/63	**28 14 06 511**	305	120	83	32
140/75	**28 14 07 511**	305	130	81	35
140/90	**28 14 09 511**	305	130	81	41
140/110	**28 14 11 511**	305	140	50	47
160/110	**28 16 11 511**	320	145	56	38
160/125	**28 16 12 511**	325	150	58	47
180/63	**28 18 06 511**	358	134	125	30
180/75	**28 18 07 511**	352	140	112	30
180/110	**28 18 11 511**	365	158	106	48
180/125	**28 18 12 511**	366	166	92	50
225/110	**28 22 11 511**	440	264	89	88
225/125	**28 22 12 511**	456	178	135	40
225/160	**28 22 16 511**	470	200	89	60
250/160	**28 25 16 511**	458	219	110	58

Tee 90° reduced machined short SDR17 - pressure class conform
with reduced branch
for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
280/63	**40 28 06 517**	270	365
280/75	**40 28 07 517**	280	365
280/90	**40 28 09 517**	295	365
280/110	**40 28 11 517**	315	365
280/125	**40 28 12 517**	330	365
280/140	**40 28 14 517**	345	365
280/160	**40 28 16 517**	365	365
280/180	**40 28 18 517**	385	365
280/200	**40 28 20 517**	405	365
280/225	**40 28 22 517**	430	365
315/75	**40 31 07 517**	280	380
315/90	**40 31 09 517**	295	380
315/110	**40 31 11 517**	315	380
315/125	**40 31 12 517**	330	380
315/140	**40 31 14 517**	345	380
315/160	**40 31 16 517**	365	380
315/180	**40 31 18 517**	385	380
315/200	**40 31 20 517**	405	380
315/225	**40 31 22 517**	430	380
315/250	**40 31 25 517**	455	380
355/90	**40 35 09 517**	305	400
355/110	**40 35 11 517**	325	400
355/125	**40 35 12 517**	340	400
355/140	**40 35 14 517**	355	400
355/160	**40 35 16 517**	375	400
355/180	**40 35 18 517**	395	400
355/200	**40 35 20 517**	415	400
355/225	**40 35 22 517**	440	400
355/250	**40 35 25 517**	465	400
355/280	**40 35 28 517**	500	400
400/110	**40 40 11 517**	325	425
400/125	**40 40 12 517**	340	425
400/140	**40 40 14 517**	355	425
400/160	**40 40 16 517**	375	425
400/180	**40 40 18 517**	395	425
400/200	**40 40 20 517**	415	425
400/225	**40 40 22 517**	440	425
400/250	**40 40 25 517**	465	425
400/280	**40 40 28 517**	500	425
400/315	**40 40 31 517**	535	425
450/125	**40 45 12 517**	340	450
450/140	**40 45 14 517**	355	450
450/160	**40 45 16 517**	375	450
450/180	**40 45 18 517**	395	450
450/200	**40 45 20 517**	415	450
450/225	**40 45 22 517**	440	450
450/250	**40 45 25 517**	465	450
450/280	**40 45 28 517**	500	450
450/315	**40 45 31 517**	535	450
450/355	**40 45 35 517**	575	450
500/140	**40 50 14 517**	355	475
500/160	**40 50 16 517**	375	475
500/180	**40 50 18 517**	395	475
500/200	**40 50 20 517**	415	475
500/225	**40 50 22 517**	440	475
500/250	**40 50 25 517**	465	475

-- to be continued --

PE100 pressure fittings

Tee 90° reduced machined short SDR17 - pressure class conform - continuation -

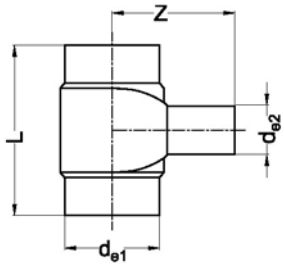
d_{e1}/d_{e2}	Art. Nr.	L	Z
500/280	**40 50 28 517**	500	475
500/315	**40 50 31 517**	535	475
500/355	**40 50 35 517**	575	475
500/400	**40 50 40 517**	620	475
560/160	**40 56 16 517**	375	500
560/180	**40 56 18 517**	395	500
560/200	**40 56 20 517**	415	500
560/225	**40 56 22 517**	440	500
560/250	**40 56 25 517**	465	500
560/280	**40 56 28 517**	500	500
560/315	**40 56 31 517**	535	500
560/355	**40 56 35 517**	575	500
560/400	**40 56 40 517**	620	500
560/450	**40 56 45 517**	670	500
560/560	**40 56 56 517**	780	500
630/180	**40 63 18 517**	395	540
630/200	**40 63 20 517**	415	540
630/225	**40 63 22 517**	440	540
630/250	**40 63 25 517**	465	540
630/280	**40 63 28 517**	500	540
630/315	**40 63 31 517**	535	540
630/355	**40 63 35 517**	575	540
630/400	**40 63 40 517**	620	540
630/450	**40 63 45 517**	670	540
630/500	**40 63 50 517**	720	540
630/630	**40 63 63 517**	850	540
710/180	**40 71 18 517**	395	620
710/200	**40 71 20 517**	415	620
710/225	**40 71 22 517**	440	620
710/250	**40 71 25 517**	465	620
710/280	**40 71 28 517**	500	620
710/315	**40 71 31 517**	535	620
710/355	**40 71 35 517**	575	620
710/400	**40 71 40 517**	620	620
710/450	**40 71 45 517**	670	620
710/500	**40 71 50 517**	720	620
710/560	**40 71 56 517**	780	620
710/710	**40 71 71 517**	950	650

Pressure rating guaranteed, branch extended with pipe.
Fabrication on order, returning not possible.

Tee 90° reduced machined short SDR11 - pressure class conform
with reduced branch
for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
280/63	**40 28 06 511**	270	365
280/75	**40 28 07 511**	280	365
280/90	**40 28 09 511**	295	365
280/110	**40 28 11 511**	315	365
280/125	**40 28 12 511**	330	365
280/140	**40 28 14 511**	345	365
280/160	**40 28 16 511**	365	365
280/180	**40 28 18 511**	385	365
280/200	**40 28 20 511**	405	365
280/225	**40 28 22 511**	430	365
315/75	**40 31 07 511**	280	380
315/90	**40 31 09 511**	295	380
315/110	**40 31 11 511**	315	380
315/125	**40 31 12 511**	330	380
315/140	**40 31 14 511**	345	380
315/160	**40 31 16 511**	365	380
315/180	**40 31 18 511**	385	380
315/200	**40 31 20 511**	405	380
315/225	**40 31 22 511**	430	380
315/250	**40 31 25 511**	455	380
355/90	**40 35 09 511**	305	400
355/110	**40 35 11 511**	325	400
355/125	**40 35 12 511**	340	400
355/140	**40 35 14 511**	355	400
355/160	**40 35 16 511**	375	400
355/180	**40 35 18 511**	395	400
355/200	**40 35 20 511**	415	400
355/225	**40 35 22 511**	440	400
355/250	**40 35 25 511**	465	400
355/280	**40 35 28 511**	500	400
400/110	**40 40 11 511**	325	425
400/125	**40 40 12 511**	340	425
400/140	**40 40 14 511**	355	425
400/160	**40 40 16 511**	375	425
400/180	**40 40 18 511**	395	425
400/200	**40 40 20 511**	415	425
400/225	**40 40 22 511**	440	425
400/250	**40 40 25 511**	465	425
400/280	**40 40 28 511**	500	425
400/315	**40 40 31 511**	535	425
450/125	**40 45 12 511**	340	450
450/140	**40 45 14 511**	355	450
450/160	**40 45 16 511**	375	450
450/180	**40 45 18 511**	395	450
450/200	**40 45 20 511**	415	450
450/225	**40 45 22 511**	440	450
450/250	**40 45 25 511**	465	450
450/280	**40 45 28 511**	500	450
450/315	**40 45 31 511**	535	450
450/355	**40 45 35 511**	575	450
500/140	**40 50 14 511**	355	475
500/160	**40 50 16 511**	375	475
500/180	**40 50 18 511**	395	475
500/200	**40 50 20 511**	415	475
500/225	**40 50 22 511**	440	475
500/250	**40 50 25 511**	465	475

-- to be continued --

PE100 pressure fittings

Tee 90° reduced machined short SDR11 - pressure class conform - continuation -

d_{e1}/d_{e2}	Art. Nr.	L	Z
500/280	**40 50 28 511**	500	475
500/315	**40 50 31 511**	535	475
500/355	**40 50 35 511**	575	475
500/400	**40 50 40 511**	620	475
560/160	**40 56 16 511**	375	500
560/180	**40 56 18 511**	395	500
560/200	**40 56 20 511**	415	500
560/225	**40 56 22 511**	440	500
560/250	**40 56 25 511**	465	500
560/280	**40 56 28 511**	500	500
560/315	**40 56 31 511**	535	500
560/355	**40 56 35 511**	575	500
560/400	**40 56 40 511**	620	500
560/450	**40 56 45 511**	670	500
560/560	**40 56 56 511**	780	500
630/180	**40 63 18 511**	395	540
630/200	**40 63 20 511**	415	540
630/225	**40 63 22 511**	440	540
630/250	**40 63 25 511**	465	540
630/280	**40 63 28 511**	500	540
630/315	**40 63 31 511**	535	540
630/355	**40 63 35 511**	575	540
630/400	**40 63 40 511**	620	540
630/450	**40 63 45 511**	670	540
630/500	**40 63 50 511**	720	540
630/630	**40 63 63 511**	850	540
710/180	**40 71 18 511**	395	620
710/200	**40 71 20 511**	415	620
710/225	**40 71 22 511**	440	620
710/250	**40 71 25 511**	465	620
710/280	**40 71 28 511**	500	620
710/315	**40 71 31 511**	535	620
710/355	**40 71 35 511**	575	620
710/400	**40 71 40 511**	620	620
710/450	**40 71 45 511**	670	620
710/500	**40 71 50 511**	720	620
710/560	**40 71 56 511**	780	620
710/710	**40 71 71 511**	950	650

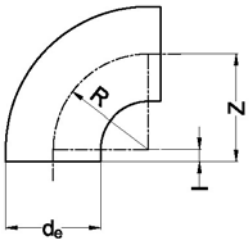
Pressure rating guaranteed, branch extended with pipe.
Fabrication on order, returning not possible.

Bend 90° short SDR 33

for butt-welding

PE100
SDR 33
water 3,2 bar





d_e	Art. Nr.	Z	l	R
110	**11 11 91 533**	120	10	110
125	**11 12 91 533**	140	15	125
140	**11 14 91 533**	150	10	140
160	**11 16 91 533**	180	25	155
180	**11 18 91 533**	200	25	175
200	**11 20 91 533**	220	23	197
225	**11 22 91 533**	250	20	230
250	**11 25 91 533**	290	25	265
280	**11 28 91 533**	290	10	280
315	**11 31 91 533**	340	40	300
355	**11 35 91 533**	340	40	300
400	**11 40 91 533**	345	45	300
450	**11 45 91 533**	450	50	400
500	**11 50 91 533**	450	50	400

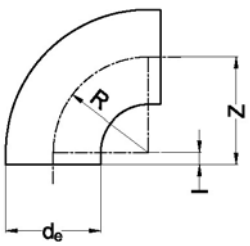
$R \approx 1 \times d_e$

Bend 90° short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.	Z	l	R
40	**11 04 91 517**	51	7	44
50	**11 05 91 517**	62	7	55
63	**11 06 91 517**	77	8	69
75	**11 07 91 517**	85	10	75
90	**11 09 91 517**	100	10	90
110	**11 11 91 517**	120	10	110
125	**11 12 91 517**	140	15	125
140	**11 14 91 517**	155	15	140
160	**11 16 91 517**	175	15	160
180	**11 18 91 517**	195	15	180
200	**11 20 91 517**	215	15	200
225	**11 22 91 517**	245	20	225
250	**11 25 91 517**	275	25	250
280	**11 28 91 517**	310	30	280
315	**11 31 91 517**	350	35	315
355	**11 35 91 517**	340	40	300
400	**11 40 91 517**	350	50	300
450	**11 45 91 517**	450	50	400
500	**11 50 91 517**	450	50	400

$R \approx 1 \times d_e$

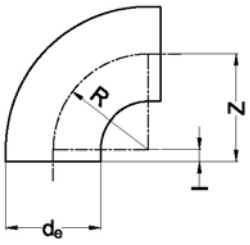
PE100 pressure fittings

Bend 90° short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.	Z	l	R
20	**11 01 91 511**	27	3	24
25	**11 02 91 511**	32	5	27
32	**11 03 91 511**	40	5	35
40	**11 04 91 511**	51	7	44
50	**11 05 91 511**	62	7	55
63	**11 06 91 511**	77	8	69
75	**11 07 91 511**	85	10	75
90	**11 09 91 511**	100	10	90
110	**11 11 91 511**	120	10	110
125	**11 12 91 511**	140	15	125
140	**11 14 91 511**	155	15	140
160	**11 16 91 511**	175	15	160
180	**11 18 91 511**	195	15	180
200	**11 20 91 511**	215	15	200
225	**11 22 91 511**	245	20	225
250	**11 25 91 511**	275	25	250
280	**11 28 91 511**	310	30	280
315	**11 31 91 511**	350	35	315
355	**11 35 91 511**	340	40	300
400	**11 40 91 511**	350	50	300
450	**11 45 91 511**	450	50	400
500	**11 50 91 511**	450	50	400

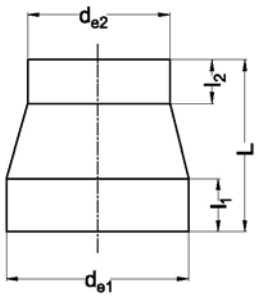
$R \approx 1 \times d_e$

Reducer concentric DIN short SDR 33

for butt-welding

PE100
SDR 33
water 3,2 bar





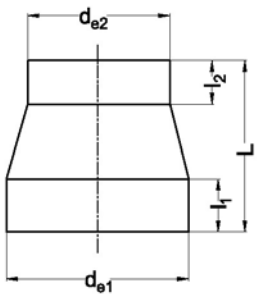
d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
200/140	**17 20 14 533**	154	50	35
200/160	**17 20 16 533**	151	50	40
200/180	**17 20 18 533**	151	50	45
225/140	**17 22 14 533**	160	60	50
225/160	**17 22 16 533**	171	55	40
225/180	**17 22 18 533**	171	55	45
225/200	**17 22 20 533**	171	55	50
250/160	**17 25 16 533**	194	60	40
250/180	**17 25 18 533**	182	60	45
250/200	**17 25 20 533**	182	60	50
250/225	**17 25 22 533**	182	60	55
280/200	**17 28 20 533**	200	80	65
280/225	**17 28 22 533**	200	80	75
280/250	**17 28 25 533**	200	80	85
315/200	**17 31 20 533**	230	95	85
315/225	**17 31 22 533**	230	95	88
315/250	**17 31 25 533**	230	95	95
315/280	**17 31 28 533**	230	95	107

Reducer concentric DIN short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
50/32	**17 05 03 517**	55	12	12
50/40	**17 05 04 517**	55	12	12
63/32	**17 06 03 517**	65	16	12
63/40	**17 06 04 517**	65	16	12
63/50	**17 06 05 517**	65	16	12
75/32	**17 07 03 517**	80	19	12
75/40	**17 07 04 517**	71	19	12
75/50	**17 07 05 517**	71	19	12
75/63	**17 07 06 517**	71	19	16
90/50	**17 09 05 517**	80	22	12
90/63	**17 09 06 517**	80	22	16
90/75	**17 09 07 517**	80	22	19
110/50	**17 11 05 517**	105	28	12
110/63	**17 11 06 517**	97	28	16
110/75	**17 11 07 517**	97	28	19
110/90	**17 11 09 517**	97	28	22
125/63	**17 12 06 517**	112	30	16
125/75	**17 12 07 517**	108	32	19
125/90	**17 12 09 517**	108	32	22
125/110	**17 12 11 517**	108	32	28
140/75	**17 14 07 517**	123	35	19
140/90	**17 14 09 517**	115	35	22
140/110	**17 14 11 517**	115	35	28
140/125	**17 14 12 517**	115	35	32
160/90	**17 16 09 517**	135	40	22
160/110	**17 16 11 517**	124	40	28
160/125	**17 16 12 517**	124	40	32

-- to be continued --

PE100 pressure fittings

Reducer concentric DIN short SDR 17 - continuation -

d_{e1}/d_{e2}	Art. Nr.		L	l_1	l_2
160/140	**17 16 14 517**		124	40	35
180/90	**17 18 09 517**		157	45	22
180/110	**17 18 11 517**		157	45	28
180/125	**17 18 12 517**		136	45	32
180/140	**17 18 14 517**		136	45	35
180/160	**17 18 16 517**		136	45	40
200/140	**17 20 14 517**		154	50	35
200/160	**17 20 16 517**		151	50	40
200/180	**17 20 18 517**		151	50	45
225/140	**17 22 14 517**		160	60	50
225/160	**17 22 16 517**		171	55	40
225/180	**17 22 18 517**		171	55	45
225/200	**17 22 20 517**		171	55	50
250/160	**17 25 16 517**		194	60	40
250/180	**17 25 18 517**		182	60	45
250/200	**17 25 20 517**		182	60	50
250/225	**17 25 22 517**		182	60	55
280/200	**17 28 20 517**	*	200	85	70
280/225	**17 28 22 517**	*	200	85	72
280/250	**17 28 25 517**	*	200	85	80
315/200	**17 31 20 517**	*	230	95	85
315/225	**17 31 22 517**	*	230	95	88
315/250	**17 31 25 517**	*	230	95	95
315/280	**17 31 28 517**	*	230	95	107

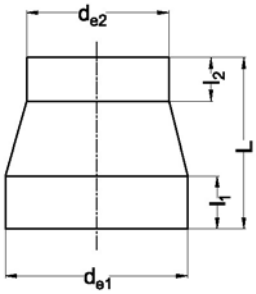
* *machined version*

Reducer concentric DIN short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
25/20	**17 02 01 511**	37	12	12
32/20	**17 03 01 511**	43	12	12
32/25	**17 03 02 511**	43	12	12
40/20	**17 04 01 511**	50	12	12
40/25	**17 04 02 511**	50	12	12
40/32	**17 04 03 511**	50	12	12
50/25	**17 05 02 511**	55	12	12
50/32	**17 05 03 511**	55	12	12
50/40	**17 05 04 511**	55	12	12
63/32	**17 06 03 511**	65	16	12
63/40	**17 06 04 511**	65	16	12
63/50	**17 06 05 511**	65	16	12
75/32	**17 07 03 511**	80	19	12
75/40	**17 07 04 511**	71	19	12
75/50	**17 07 05 511**	71	19	12
75/63	**17 07 06 511**	71	19	16
90/50	**17 09 05 511**	80	22	12
90/63	**17 09 06 511**	80	22	16
90/75	**17 09 07 511**	80	22	19
110/50	**17 11 05 511**	105	28	12
110/63	**17 11 06 511**	97	28	16
110/75	**17 11 07 511**	97	28	19
110/90	**17 11 09 511**	97	28	22
125/63	**17 12 06 511**	112	30	16
125/75	**17 12 07 511**	108	32	19
125/90	**17 12 09 511**	108	32	22
125/110	**17 12 11 511**	108	32	28

-- to be continued --

Reducer concentric DIN short SDR 11 - continuation -

d_{e1}/d_{e2}	Art. Nr.		L	l_1	l_2
140/75	**17 14 07 511**		123	35	19
140/90	**17 14 09 511**		115	35	22
140/110	**17 14 11 511**		115	35	28
140/125	**17 14 12 511**		115	35	32
160/90	**17 16 09 511**		135	40	22
160/110	**17 16 11 511**		124	40	28
160/125	**17 16 12 511**		124	40	32
160/140	**17 16 14 511**		124	40	35
180/90	**17 18 09 511**		157	45	22
180/110	**17 18 11 511**		157	45	28
180/125	**17 18 12 511**		136	45	32
180/140	**17 18 14 511**		136	45	35
180/160	**17 18 16 511**		136	45	40
200/140	**17 20 14 511**		154	50	35
200/160	**17 20 16 511**		151	50	40
200/180	**17 20 18 511**		151	50	45
225/140	**17 22 14 511**		160	60	50
225/160	**17 22 16 511**		171	55	40
225/180	**17 22 18 511**		171	55	45
225/200	**17 22 20 511**		171	55	50
250/160	**17 25 16 511**		194	60	40
250/180	**17 25 18 511**		182	60	45
250/200	**17 25 20 511**		182	60	50
250/225	**17 25 22 511**		182	60	55
280/200	**17 28 20 511**	*	200	85	70
280/225	**17 28 22 511**	*	200	85	72
280/250	**17 28 25 511**	*	200	85	80
315/200	**17 31 20 511**	*	230	95	85
315/225	**17 31 22 511**	*	230	95	88
315/250	**17 31 25 511**	*	230	95	95
315/280	**17 31 28 511**	*	230	95	107

* *machined version*

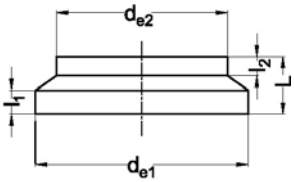
PE100 pressure fittings

Reducer concentric short SDR 33

for butt-welding

PE100
SDR 33
water 3,2 bar





d_{e1}/d_{e2}	Art. Nr.		L	l_1	l_2
355/200	**15 35 20 533**		160	57	40
355/225	**15 35 22 533**		140	57	40
355/250	**15 35 25 533**		130	54	40
355/280	**15 35 28 533**		120	53	40
355/315	**15 35 31 533**		110	53	40
400/225	**15 40 22 533**		160	64	40
400/250	**15 40 25 533**		150	61	40
400/280	**15 40 28 533**		140	60	40
400/315	**15 40 31 533**		120	50	40
400/355	**15 40 35 533**		110	51	40
450/280	**15 45 28 533**		160	65	40
450/315	**15 45 31 533**		140	55	40
450/355	**15 45 35 533**		130	57	40
450/400	**15 45 40 533**		120	60	40
500/280	**15 50 28 533**		180	80	40
500/315	**15 50 31 533**		170	71	40
500/355	**15 50 35 533**		150	62	40
500/400	**15 50 40 533**		140	65	40
500/450	**15 50 45 533**		120	60	40
560/355	**15 56 35 533**		170	75	40
560/400	**15 56 40 533**		160	68	40
560/450	**15 56 45 533**		140	62	40
560/500	**15 56 50 533**		130	67	40
630/355	**15 63 35 533**		200	80	40
630/400	**15 63 40 533**		190	78	40
630/450	**15 63 45 533**		170	72	40
630/500	**15 63 50 533**		150	67	40
630/560	**15 63 56 533**		130	64	40
710/500	**15 71 50 533**	*	130	84	40
710/560	**15 71 56 533**	*	170	81	40
710/630	**15 71 63 533**	*	140	71	40
800/560	**15 80 56 533**	*	200	85	40
800/630	**15 80 63 533**	*	180	85	40
800/710	**15 80 71 533**	*	150	78	40
900/630	**15 90 63 533**	*	220	96	40
900/710	**15 90 71 533**	*	190	89	40
900/800	**15 90 80 533**	*	160	85	40
1000/710	**15 91 71 533**	*	220	101	40
1000/800	**15 91 80 533**	*	180	86	40
1000/900	**15 91 90 533**	*	140	75	40
1200/1000	**15 92 91 533**	*	190	92	40

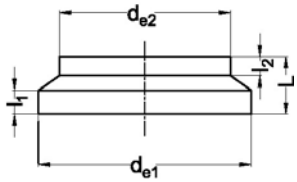
* *fabrication on order, returning not possible*

Reducer concentric short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.		L	l_1	l_2
355/200	**15 35 20 517**		160	57	40
355/225	**15 35 22 517**		140	57	40
355/250	**15 35 25 517**		130	54	40
355/280	**15 35 28 517**		120	53	40
355/315	**15 35 31 517**		110	53	40
400/225	**15 40 22 517**		160	64	40
400/250	**15 40 25 517**		150	61	40
400/280	**15 40 28 517**		140	60	40
400/315	**15 40 31 517**		120	50	40
400/355	**15 40 35 517**		110	51	40
450/280	**15 45 28 517**		160	65	40
450/315	**15 45 31 517**		140	55	40
450/355	**15 45 35 517**		130	57	40
450/400	**15 45 40 517**		120	60	40
500/280	**15 50 28 517**		180	80	40
500/315	**15 50 31 517**		170	71	40
500/355	**15 50 35 517**		150	62	40
500/400	**15 50 40 517**		140	65	40
500/450	**15 50 45 517**		120	60	40
560/355	**15 56 35 517**		170	75	40
560/400	**15 56 40 517**		160	68	40
560/450	**15 56 45 517**		140	62	40
560/500	**15 56 50 517**		130	67	40
630/355	**15 63 35 517**		200	80	40
630/400	**15 63 40 517**		190	78	40
630/450	**15 63 45 517**		170	72	40
630/500	**15 63 50 517**		150	67	40
630/560	**15 63 56 517**		130	64	40
710/500	**15 71 50 517**	*	130	84	40
710/560	**15 71 56 517**	*	170	81	40
710/630	**15 71 63 517**	*	140	71	40
800/560	**15 80 56 517**	*	200	85	40
800/630	**15 80 63 517**	*	180	85	40
800/710	**15 80 71 517**	*	150	78	40
900/630	**15 90 63 517**	*	220	96	40
900/710	**15 90 71 517**	*	190	89	40
900/800	**15 90 80 517**	*	160	85	40
1000/710	**15 91 71 517**	*	220	101	40
1000/800	**15 91 80 517**	*	180	86	40
1000/900	**15 91 90 517**	*	140	75	40

* *fabrication on order, returning not possible*

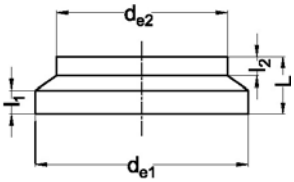
PE100 pressure fittings

Reducer concentric short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





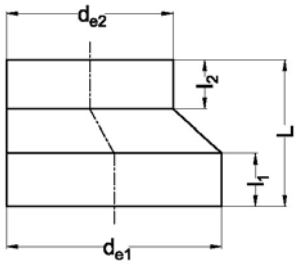
d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
355/200	**15 35 20 511**	160	57	40
355/225	**15 35 22 511**	140	57	40
355/250	**15 35 25 511**	130	54	40
355/280	**15 35 28 511**	120	53	40
355/315	**15 35 31 511**	110	53	40
400/225	**15 40 22 511**	160	64	40
400/250	**15 40 25 511**	150	61	40
400/280	**15 40 28 511**	140	60	40
400/315	**15 40 31 511**	120	50	40
400/355	**15 40 35 511**	110	51	40
450/280	**15 45 28 511**	160	65	40
450/315	**15 45 31 511**	140	55	40
450/355	**15 45 35 511**	130	57	40
450/400	**15 45 40 511**	120	60	40
500/280	**15 50 28 511**	180	80	40
500/315	**15 50 31 511**	170	71	40
500/355	**15 50 35 511**	150	62	40
500/400	**15 50 40 511**	140	65	40
500/450	**15 50 45 511**	120	60	40
560/355	**15 56 35 511**	170	75	40
560/400	**15 56 40 511**	160	68	40
560/450	**15 56 45 511**	140	62	40
560/500	**15 56 50 511**	130	67	40
630/355	**15 63 35 511**	200	80	40
630/400	**15 63 40 511**	190	78	40
630/450	**15 63 45 511**	170	72	40
630/500	**15 63 50 511**	150	67	40
630/560	**15 63 56 511**	130	64	40

Reducer eccentric short SDR 33

for butt-welding

PE100
SDR 33
water 3,2 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
160/90	**31 16 09 533**	140	54	40
160/110	**31 16 11 533**	120	45	40
160/125	**31 16 12 533**	110	44	40
160/140	**31 16 14 533**	90	33	40
180/110	**31 18 11 533**	140	54	40
180/125	**31 18 12 533**	130	52	40
180/140	**31 18 14 533**	110	41	40
180/160	**31 18 16 533**	90	33	40
200/125	**31 20 12 533**	150	61	40
200/140	**31 20 14 533**	130	50	40
200/160	**31 20 16 533**	110	41	40
200/180	**31 20 18 533**	90	33	40
225/140	**31 22 14 533**	160	65	40
225/160	**31 22 16 533**	140	57	40
225/180	**31 22 18 533**	120	48	40
225/200	**31 22 20 533**	100	40	40
250/160	**31 25 16 533**	160	62	40
250/180	**31 25 18 533**	140	54	40
250/200	**31 25 20 533**	120	45	40
250/225	**31 25 22 533**	100	40	40
280/180	**31 28 18 533**	170	66	40
280/200	**31 28 20 533**	150	58	40
280/225	**31 28 22 533**	130	52	40
280/250	**31 28 25 533**	110	47	40
315/200	**31 31 20 533**	190	78	40
315/225	**31 31 22 533**	160	62	40
315/250	**31 31 25 533**	140	57	40
315/280	**31 31 28 533**	110	44	40

Larger diameters on request.

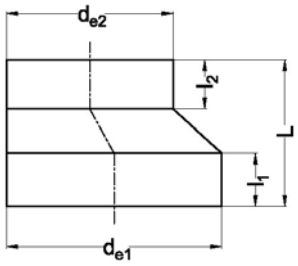
PE100 pressure fittings

Reducer eccentric short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
160/90	**31 16 09 517**	140	54	40
160/110	**31 16 11 517**	120	45	40
160/125	**31 16 12 517**	110	44	40
160/140	**31 16 14 517**	90	33	40
180/110	**31 18 11 517**	140	54	40
180/125	**31 18 12 517**	130	52	40
180/140	**31 18 14 517**	110	41	40
180/160	**31 18 16 517**	90	33	40
200/125	**31 20 12 517**	150	61	40
200/140	**31 20 14 517**	130	50	40
200/160	**31 20 16 517**	110	41	40
200/180	**31 20 18 517**	100	43	40
225/140	**31 22 14 517**	160	65	40
225/160	**31 22 16 517**	140	57	40
225/180	**31 22 18 517**	120	48	40
225/200	**31 22 20 517**	100	40	40
250/160	**31 25 16 517**	160	62	40
250/180	**31 25 18 517**	140	54	40
250/200	**31 25 20 517**	130	55	40
250/225	**31 25 22 517**	100	40	40
280/180	**31 28 18 517**	170	66	40
280/200	**31 28 20 517**	150	58	40
280/225	**31 28 22 517**	130	52	40
280/250	**31 28 25 517**	110	47	40
315/200	**31 31 20 517**	190	78	40
315/225	**31 31 22 517**	160	62	40
315/250	**31 31 25 517**	140	57	40
315/280	**31 31 28 517**	120	54	40

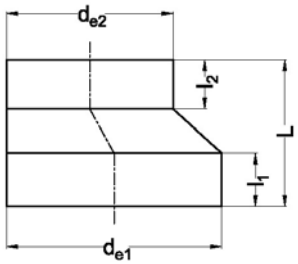
Larger diameters on request.

Reducer eccentric short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
160/90	**31 16 09 511**	140	54	40
160/110	**31 16 11 511**	120	45	40
160/125	**31 16 12 511**	110	44	40
160/140	**31 16 14 511**	100	43	40
180/110	**31 18 11 511**	140	54	40
180/125	**31 18 12 511**	130	52	40
180/140	**31 18 14 511**	120	51	40
180/160	**31 18 16 511**	100	43	40
200/125	**31 20 12 511**	150	61	40
200/140	**31 20 14 511**	130	50	40
200/160	**31 20 16 511**	120	51	40
200/180	**31 20 18 511**	100	43	40
225/140	**31 22 14 511**	160	65	40
225/160	**31 22 16 511**	140	57	40
225/180	**31 22 18 511**	120	48	40
225/200	**31 22 20 511**	110	50	40
250/160	**31 25 16 511**	170	72	40
250/180	**31 25 18 511**	150	64	40
250/200	**31 25 20 511**	130	55	40
250/225	**31 25 22 511**	110	50	40
280/180	**31 28 18 511**	180	76	40
280/200	**31 28 20 511**	160	68	40
280/225	**31 28 22 511**	140	62	40
280/250	**31 28 25 511**	120	57	40
315/200	**31 31 20 511**	190	78	40
315/225	**31 31 22 511**	170	72	40
315/250	**31 31 25 511**	150	67	40
315/280	**31 31 28 511**	130	64	40

Larger diameters on request.

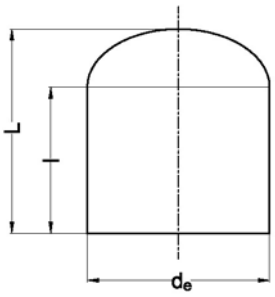
PE100 pressure fittings

End cap long/short SDR 17

for butt-welding

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		L	l
63	**67 06 08 517**	*	85	62
75	**67 07 08 517**	*	95	63
90	**67 09 08 517**	*	110	79
110	**67 11 08 517**	*	127	88
125	**67 12 08 517**	*	124	95
140	**67 14 08 517**	*	140	110
160	**67 16 08 517**	*	152	121
180	**67 18 08 517**	*	169	134
200	**67 20 08 517**	*	184	140
225	**67 22 08 517**	*	200	160
250	**67 25 08 517**	*	230	152
280	**67 28 08 517**	*	257	162
315	**67 31 08 517**	*	262	167
355	**67 35 08 517**	*	270	250
400	**67 40 08 517**	*	275	250
450	**67 45 09 517**	**	85	-
500	**67 50 09 517**	**	90	-
560	**67 56 09 517**	**	100	-
630	**67 63 09 517**	**	110	-
710	**67 71 09 517**	**	110	-
800	**67 80 09 517**	**	120	-

* *long version*

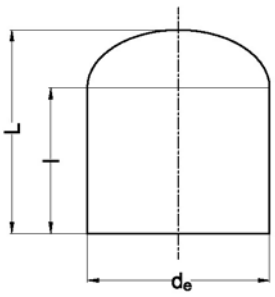
** *short version, machined*
fabrication on order, returning not possible

End cap long/short SDR 11

for butt-welding

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		L	l
20	**67 01 08 511**	*	45	35
25	**67 02 08 511**	*	52	40
32	**67 03 08 511**	*	58	44
40	**67 04 08 511**	*	67	50
50	**67 05 08 511**	*	75	55
63	**67 06 08 511**	*	85	62
75	**67 07 08 511**	*	95	63
90	**67 09 08 511**	*	110	79
110	**67 11 08 511**	*	127	88
125	**67 12 08 511**	*	124	95
140	**67 14 08 511**	*	140	110
160	**67 16 08 511**	*	152	121
180	**67 18 08 511**	*	169	134
200	**67 20 08 511**	*	184	140
225	**67 22 08 511**	*	200	160
250	**67 25 08 511**	*	230	152
280	**67 28 08 511**	*	257	162
315	**67 31 08 511**	*	262	167
355	**67 35 08 511**	*	280	250
400	**67 40 08 511**	*	285	250

-- to be continued --

End cap long/short SDR 11 - continuation -

d_e	Art. Nr.		L	l
450	**67 45 09 511**	**	95	-
500	**67 50 09 511**	**	105	-
560	**67 56 09 511**	**	115	-
630	**67 63 09 511**	**	125	-

* *long version*

** *short version, machined*
fabrication on order, returning not possible

PE100 pressure fittings

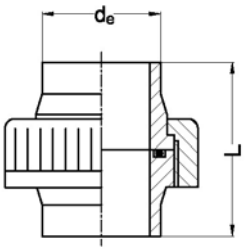
Union complete short SDR 11 with EPDM O-ring

PE100
SDR 11
water 6 bar

for butt-welding



d_e	Art. Nr.	L
20	43 01 06 511	110
25	43 02 06 511	110
32	43 03 06 511	110
40	43 04 06 511	110
50	43 05 06 511	110
63	43 06 06 511	110
75	43 07 06 511	110
90	43 09 06 511	180
110	43 11 06 511	180



Unions complete consist of:
- PE union end and union bush
- PVC nut
- EPDM O-ring

Depending on temperature change the maximum operating pressure can be reduced strongly.

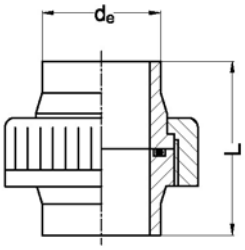
Union complete short SDR 11 with FPM O-ring

PE100
SDR 11
water 6 bar

for butt-welding



d_e	Art. Nr.	L
20	43 01 07 511	110
25	43 02 07 511	110
32	43 03 07 511	110
40	43 04 07 511	110
50	43 05 07 511	110
63	43 06 07 511	110
75	43 07 07 511	110
90	43 09 07 511	180
110	43 11 07 511	180



Unions complete consist of:
- PE union end and union bush
- PVC nut
- FPM O-ring

Depending on temperature change the maximum operating pressure can be reduced strongly.
Collectioning on order.

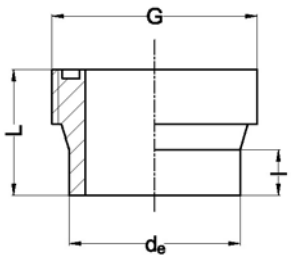
Union bush short SDR 11

PE100
SDR 11

for butt-welding



d_e	Art. Nr.	L	l	G
20	**83 01 01 511**	55	13	1"
25	**83 02 01 511**	55	13	1¼"
32	**83 03 01 511**	55	14	1½"
40	**83 04 01 511**	55	16	2"
50	**83 05 01 511**	55	18	2¼"
63	**83 06 01 511**	55	20	2¾"
75	**83 07 01 511**	55	24	3½"
90	**83 09 01 511**	90	25	4"
110	**83 11 01 511**	90	28	5"



Thread according to EN-ISO 228.

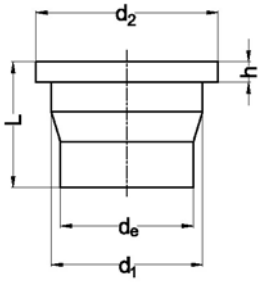
Union end short SDR 11

PE100
SDR 11

for butt-welding



d_e	Art. Nr.	L	h	d_1	d_2
20	**84 01 01 511**	55	5	25,0	30,0
25	**84 02 01 511**	55	6	33,5	38,5
32	**84 03 01 511**	55	6	38,0	44,5
40	**84 04 01 511**	55	7	49,5	56,2
50	**84 05 01 511**	55	7	55,0	62,2
63	**84 06 01 511**	55	8	70,0	78,3
75	**84 07 01 511**	55	9	82,5	96,5
90	**84 09 01 511**	90	10	97,5	109,5
110	**84 11 01 511**	90	11	117,5	134,5



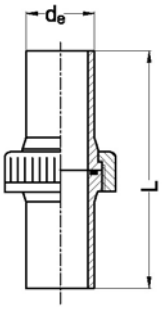
PE100 pressure fittings

Union complete long SDR 11 with EPDM O-ring

PE100
SDR 11
water 6 bar

for butt-welding and electrofusion





d_e	Art. Nr.	L
20	**43 01 10 511**	190
25	**43 02 10 511**	190
32	**43 03 10 511**	190
40	**43 04 10 511**	190
50	**43 05 10 511**	190
63	**43 06 10 511**	190
75	**43 07 10 511**	260
90	**43 09 10 511**	300
110	**43 11 10 511**	340

Unions complete consist of:
- PE union end and union bush
- PVC nut
- EPDM O-ring

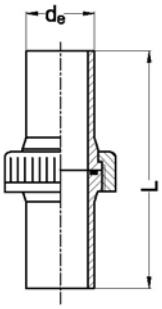
Depending on temperature change the maximum operating pressure can be reduced strongly.

Union complete long SDR 11 with FPM O-ring

PE100
SDR 11
water 6 bar

for butt-welding and electrofusion





d_e	Art. Nr.	L
20	**43 01 11 511**	190
25	**43 02 11 511**	190
32	**43 03 11 511**	190
40	**43 04 11 511**	190
50	**43 05 11 511**	190
63	**43 06 11 511**	190
75	**43 07 11 511**	260
90	**43 09 11 511**	300
110	**43 11 11 511**	340

Unions complete consist of:
- PE union end and union bush
- PVC nut
- FPM O-ring

Depending on temperature change the maximum operating pressure can be reduced strongly.

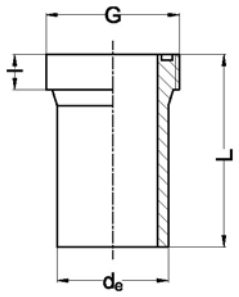
Collectioning on order.

Union bush long SDR 11

PE100
SDR 11

for butt-welding and electrofusion





d_e	Art. Nr.	L	l	G
20	**83 01 05 511**	95	13	1"
25	**83 02 05 511**	95	13	1¼"
32	**83 03 05 511**	95	14	1½"
40	**83 04 05 511**	95	16	2"
50	**83 05 05 511**	95	18	2¼"
63	**83 06 05 511**	95	20	2¾"
75	**83 07 05 511**	130	24	3½"
90	**83 09 05 511**	150	25	4"
110	**83 11 05 511**	170	28	5"

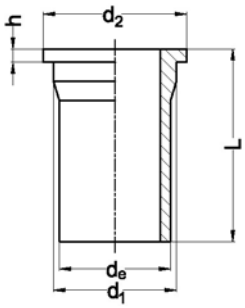
Thread according to EN-ISO 228.

Union end long SDR 11

PE100
SDR 11

for butt-welding and electrofusion





d_e	Art. Nr.	L	h	d_1	d_2
20	**84 01 05 511**	95	5	25,0	30,0
25	**84 02 05 511**	95	6	33,5	38,5
32	**84 03 05 511**	95	6	38,0	44,5
40	**84 04 05 511**	95	7	49,5	56,2
50	**84 05 05 511**	95	7	55,0	62,2
63	**84 06 05 511**	95	8	70,0	78,3
75	**84 07 05 511**	130	9	82,5	96,5
90	**84 09 05 511**	150	10	97,5	109,5
110	**84 11 05 511**	170	11	117,5	134,5

PE100 pressure fittings

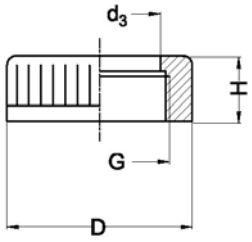
Union nut for PE union end

PVC



d_e	Art. Nr.	D	G	d_3	H
20	**85 01 00 410**	43	1"	27	24
25	**85 02 00 410**	53	1¼"	36	27
32	**85 03 00 410**	60	1½"	41	30
40	**85 04 00 410**	74	2"	53	32
50	**85 05 00 410**	80	2¼"	59	36
63	**85 06 00 410**	103	2¾"	74	39
75	**85 07 00 410**	122	3½"	83	43
90	**85 09 00 410**	139	4"	98	49
110	**85 11 00 410**	164	5"	118	55

Thread according to EN-ISO 228.

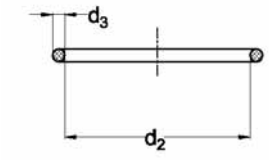


O-ring for PE union bush

EPDM



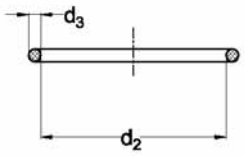
d_e	Art. Nr.	d_2	d_3
20	**48 01 09 000**	21,8	3,5
25	**48 02 09 000**	28,2	3,5
32	**48 03 09 000**	34,5	3,5
40	**48 04 09 000**	43,8	5,3
50	**48 05 09 000**	50,2	5,3
63	**48 06 09 000**	66,1	5,3
75	**48 07 09 000**	78,8	5,3
90	**48 09 09 000**	94,6	5,3
110	**48 11 09 000**	113,7	7,0



O-ring for PE union bush FPM



d_e	Art. Nr.	d_2	d_3
20	**48 01 07 000**	21,8	3,5
25	**48 02 07 000**	28,2	3,5
32	**48 03 07 000**	34,5	3,5
40	**48 04 07 000**	43,8	5,3
50	**48 05 07 000**	50,2	5,3
63	**48 06 07 000**	66,1	5,3
75	**48 07 07 000**	78,8	5,3
90	**48 09 07 000**	94,6	5,3
110	**48 11 07 000**	113,7	7,0



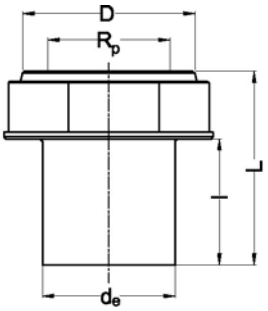
PE100 pressure fittings

Adaptor long SDR 11 with female thread

PE100
SDR 11
water 10 bar

for butt-welding and electrofusion





d_e/R_p	Art. Nr.	L	l	D	SW
20/½"	**93 01 78 511**	65	40	39	32
25/½"	**93 02 78 511**	65	40	39	32
25/¾"	**93 02 79 511**	66	40	49	41
32/½"	**93 03 78 511**	69	44	39	32
32/¾"	**93 03 79 511**	70	44	49	41
32/1"	**93 03 80 511**	72	44	55	46
40/¾"	**93 04 79 511**	69	45	49	41
40/1"	**93 04 80 511**	76	49	55	46
40/1¼"	**93 04 81 511**	80	49	66	55
50/½"	**93 05 78 511**	76	55	50	32
50/1"	**93 05 80 511**	78	50	55	46
50/1¼"	**93 05 81 511**	85	55	66	55
50/1½"	**93 05 82 511**	86	55	83	70
63/2"	**93 06 83 511**	100	63	94	85

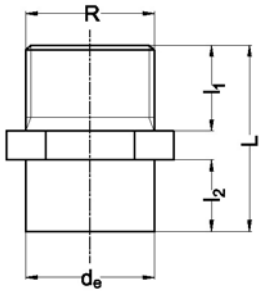
SW = size of the jaw.
Thread according to EN 10226 (ISO 7).
For sealing we advise PTFE tape.
Depending on assembly method and temperature change the maximum operating pressure can be reduced strongly.

Adaptor short SDR 11 with male thread

PE100
SDR 11
water 8 bar

for butt-welding





d_e/R	Art. Nr.	L	l_1	l_2	SW
20/½"	**97 01 78 511**	46	19	18	22
25/¾"	**97 02 79 511**	51	22	20	27
32/1"	**97 03 80 511**	61	28	24	36
40/1¼"	**97 04 81 511**	66	29	26	46
50/1½"	**97 05 82 511**	74	32	28	55
63/2"	**97 06 83 511**	80	35	31	65

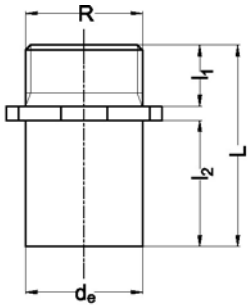
SW = size of the jaw.
Thread according to EN 10226 (ISO 7).
For sealing we advise PTFE tape.
Depending on assembly method and temperature change the maximum operating pressure can be reduced strongly. For specific applications please contact our Technical Support.

Adaptor long SDR 11 with male thread

for butt-welding and electrofusion

PE100
SDR 11
water 10 bar





d_e/R	Art. Nr.	L	l_1	l_2	SW
20/½"	**95 01 78 511**	58	19	37	24
25/¾"	**95 02 79 511**	61	14	40	27
32/1"	**95 03 80 511**	62	18	44	35
40/1¼"	**95 04 81 511**	75	19	49	46
50/1½"	**95 05 82 511**	82	20	55	55
63/2"	**95 06 83 511**	91	21	63	65

SW = size of the jaw.
Thread according to EN 10226 (ISO 7).
For sealing we advise PTFE tape.
Depending on assembly method and temperature change the maximum operating pressure can be reduced strongly.

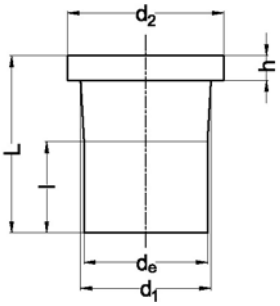
PE100 pressure fittings

Stub flange long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		h	l	d_1	d_2	L
63	**47 06 04 517**		14	66	75	102	120
75	**47 07 04 517**		18	78	89	122	130
90	**47 09 04 517**		18	84	105	138	145
110	**47 11 04 517**		18	100	125	158	155
125	**47 12 04 517**		18	108	132	158	170
140	**47 14 04 517**		18	109	155	188	195
160	**47 16 04 517**		18	110	175	212	195
180	**47 18 04 517**		20	115	180	212	200
200	**47 20 04 517**		24	127	232	268	205
225	**47 22 04 517**		24	137	235	268	205
250	**47 25 04 517**		25	146	285	320	205
280	**47 28 04 517**		25	156	291	320	220
315	**47 31 04 517**		25	160	335	370	225
355	**47 35 04 517**		30	175	373	430	260
400	**47 40 04 517**		33	195	427	482	285
450	**47 45 04 517**	*	46	280	519	585	400
500	**47 50 04 517**	*	46	280	530	585	400
560	**47 56 04 517**	*	50	280	615	685	400
630	**47 63 04 517**	*	50	280	624	685	400
710	**47 71 04 517**	*	50	280	737	800	400
800	**47 80 04 517**	*	52	280	840	905	400
900	**47 90 04 517**	*	55	280	944	1005	400
1000	**47 91 04 517**	*	60	260	1047	1110	400

* *machined and extended with pipe fabrication on order, returning not possible*

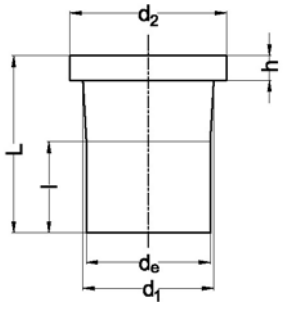
With grooved jointing face.

Stub flange long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		h	l	d_1	d_2	L
20	**47 01 04 511**		7	64	27	45	88
25	**47 02 04 511**		9	51	33	58	90
32	**47 03 04 511**		11	57	40	68	95
40	**47 04 04 511**		12	55	50	78	100
50	**47 05 04 511**		12	63	61	88	110
63	**47 06 04 511**		15	66	75	102	120
75	**47 07 04 511**		17	78	89	122	130
90	**47 09 04 511**		18	84	105	138	145
110	**47 11 04 511**		18	115	125	158	155
125	**47 12 04 511**		25	125	132	158	170
140	**47 14 04 511**		25	109	155	188	195
160	**47 16 04 511**		25	140	175	212	195
180	**47 18 04 511**		31	115	182	212	200
200	**47 20 04 511**		32	127	232	268	205
225	**47 22 04 511**		33	137	235	268	205
250	**47 25 04 511**		35	130	285	320	205
280	**47 28 04 511**		35	156	291	320	220
315	**47 31 04 511**		35	155	335	370	225
355	**47 35 04 511**		40	175	373	430	255
400	**47 40 04 511**		46	195	427	482	285
450	**47 45 04 511**	*	60	280	514	585	400
500	**47 50 04 511**	*	60	280	530	585	400
560	**47 56 04 511**	*	60	280	615	685	400
630	**47 63 04 511**	*	60	280	624	685	400
710	**47 71 04 511**	*	67	280	737	800	400

* *machined and extended with pipe fabrication on order, returning not possible*

With grooved jointing face.

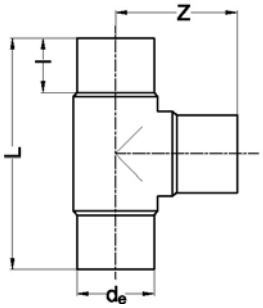
PE100 pressure fittings

Tee 90° long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





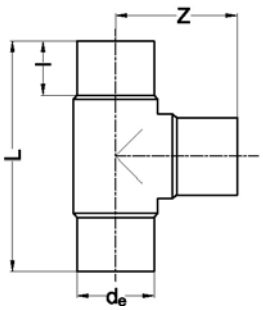
d_e	Art. Nr.	L	Z	l
63	**39 06 05 517**	228	114	70
75	**39 07 05 517**	240	120	73
90	**39 09 05 517**	306	153	86
110	**39 11 05 517**	336	168	95
125	**39 12 05 517**	354	177	100
140	**39 14 05 517**	386	193	105
160	**39 16 05 517**	450	225	124
180	**39 18 05 517**	466	233	119
200	**39 20 05 517**	502	251	127
225	**39 22 05 517**	554	272	138
250	**39 25 05 517**	628	314	148
280	**39 28 05 517**	692	346	160
315	**39 31 05 517**	760	380	170
355	**39 35 05 517**	820	410	165
400	**39 40 05 517**	915	460	195
450	**39 45 05 517**	970	485	195
500	**39 50 05 517**	1060	530	215

Tee 90° long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar



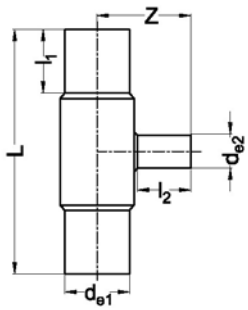


d_e	Art. Nr.	L	Z	l
20	**39 01 05 511**	107	54	35
25	**39 02 05 511**	124	62	41
32	**39 03 05 511**	150	75	51
40	**39 04 05 511**	164	82	55
50	**39 05 05 511**	166	83	51
63	**39 06 05 511**	228	114	70
75	**39 07 05 511**	240	120	73
90	**39 09 05 511**	306	153	86
110	**39 11 05 511**	336	168	95
125	**39 12 05 511**	354	177	100
140	**39 14 05 511**	386	193	105
160	**39 16 05 511**	450	225	124
180	**39 18 05 511**	466	233	119
200	**39 20 05 511**	502	251	127
225	**39 22 05 511**	554	272	138
250	**39 25 05 511**	628	314	148
280	**39 28 05 511**	692	346	160
315	**39 31 05 511**	760	380	170
355	**39 35 05 511**	820	410	165
400	**39 40 05 511**	915	460	195
450	**39 45 05 511**	970	485	195
500	**39 50 05 511**	1060	530	215

Tee 90° reduced long SDR 17
with reduced branch
for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





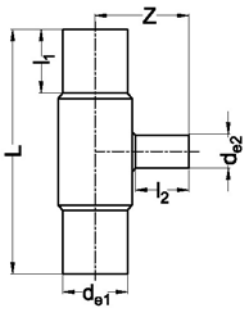
d_{e1}/d_{e2}	Art. Nr.	L	Z	l_1	l_2
63/32	**58 06 03 517**	228	91	70	46
63/50	**58 06 05 517**	213	100	63	56
75/50	**58 07 05 517**	253	113	70	55
75/63	**58 07 06 517**	252	117	70	63
90/50	**58 09 05 517**	275	117	79	55
90/63	**58 09 06 517**	264	134	79	63
90/75	**58 09 07 517**	272	138	74	70
110/63	**58 11 06 517**	316	135	88	62
110/75	**58 11 07 517**	305	148	82	70
110/90	**58 11 09 517**	310	155	91	78
125/63	**58 12 06 517**	358	148	100	69
125/75	**58 12 07 517**	358	155	100	76
125/90	**58 12 09 517**	358	164	100	85
125/110	**58 12 11 517**	340	170	87	82
140/63	**58 14 06 517**	386	160	105	77
140/75	**58 14 07 517**	386	173	105	78
140/90	**58 14 09 517**	388	182	105	87
140/110	**58 14 11 517**	388	188	105	95
160/63	**58 16 06 517**	424	174	110	72
160/75	**58 16 07 517**	424	180	111	73
160/90	**58 16 09 517**	424	190	111	84
160/110	**58 16 11 517**	424	197	111	93
180/75	**58 18 07 517**	460	190	116	93
180/90	**58 18 09 517**	420	200	116	85
180/110	**58 18 11 517**	460	210	116	95
180/125	**58 18 12 517**	430	215	116	100
180/140	**58 18 14 517**	460	220	116	104
180/160	**58 18 16 517**	460	225	116	110
200/63	**58 20 06 517**	550	225	134	80
200/75	**58 20 07 517**	450	200	127	70
200/90	**58 20 09 517**	550	227	134	95
200/110	**58 20 11 517**	550	240	134	103
200/125	**58 20 12 517**	550	240	134	110
200/160	**58 20 16 517**	550	265	134	114
225/63	**58 22 06 517**	540	241	130	69
225/75	**58 22 07 517**	440	226	120	80
225/90	**58 22 09 517**	440	224	120	80
225/110	**58 22 11 517**	522	271	120	92
225/125	**58 22 12 517**	522	266	120	93
225/140	**58 22 14 517**	540	276	130	104
225/160	**58 22 16 517**	522	252	120	109
225/180	**58 22 18 517**	552	280	131	131
250/110	**58 25 11 517**	575	242	130	82
250/160	**58 25 16 517**	575	261	130	98
250/200	**58 25 20 517**	625	290	148	116
315/90	**58 31 09 517**	545	290	170	90
315/110	**58 31 11 517**	546	290	170	100
315/160	**58 31 16 517**	575	310	170	120
315/200	**58 31 20 517**	640	330	170	130
315/225	**58 31 22 517**	640	335	170	145
315/250	**58 31 25 517**	638	340	170	150

PE100 pressure fittings

Tee 90° reduced long SDR 11
with reduced branch
for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





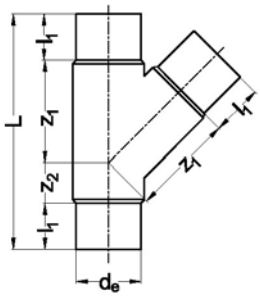
d_{e1}/d_{e2}	Art. Nr.	L	Z	l_1	l_2
63/32	**58 06 03 511**	228	91	70	46
63/50	**58 06 05 511**	213	100	63	56
75/32	**58 07 03 511**	256	103	70	46
75/50	**58 07 05 511**	253	113	70	55
75/63	**58 07 06 511**	252	117	70	63
90/50	**58 09 05 511**	275	117	79	55
90/63	**58 09 06 511**	264	134	79	63
90/75	**58 09 07 511**	272	138	74	70
110/63	**58 11 06 511**	316	135	88	62
110/75	**58 11 07 511**	305	154	82	70
110/90	**58 11 09 511**	310	155	91	78
125/63	**58 12 06 511**	358	148	100	63
125/75	**58 12 07 511**	358	155	100	76
125/90	**58 12 09 511**	330	168	110	91
125/110	**58 12 11 511**	340	170	87	82
140/63	**58 14 06 511**	386	160	105	77
140/75	**58 14 07 511**	386	173	105	78
140/90	**58 14 09 511**	388	182	105	87
140/110	**58 14 11 511**	388	188	105	95
160/63	**58 16 06 511**	424	174	110	72
160/75	**58 16 07 511**	424	180	111	73
160/90	**58 16 09 511**	424	190	111	84
160/110	**58 16 11 511**	424	197	111	93
180/75	**58 18 07 511**	460	190	116	93
180/90	**58 18 09 511**	460	200	116	85
180/110	**58 18 11 511**	420	200	116	95
180/125	**58 18 12 511**	430	215	116	100
180/140	**58 18 14 511**	460	220	116	104
180/160	**58 18 16 511**	460	225	116	110
200/63	**58 20 06 511**	550	225	134	80
200/75	**58 20 07 511**	450	200	127	70
200/90	**58 20 09 511**	550	227	134	95
200/110	**58 20 11 511**	550	240	134	103
200/125	**58 20 12 511**	550	240	134	110
200/160	**58 20 16 511**	550	265	134	114
225/63	**58 22 06 511**	540	241	130	69
225/75	**58 22 07 511**	540	248	130	76
225/90	**58 22 09 511**	440	224	120	80
225/110	**58 22 11 511**	522	271	120	92
225/125	**58 22 12 511**	522	266	120	93
225/140	**58 22 14 511**	540	276	130	104
225/160	**58 22 16 511**	522	252	120	109
225/180	**58 22 18 511**	552	280	131	131
250/110	**58 25 11 511**	575	242	130	82
250/160	**58 25 16 511**	575	261	130	98
250/200	**58 25 20 511**	625	290	148	116
315/90	**58 31 09 511**	545	290	170	90
315/110	**58 31 11 511**	546	290	170	100
315/160	**58 31 16 511**	575	310	170	120
315/200	**58 31 20 511**	640	330	170	130
315/225	**58 31 22 511**	638	335	170	145
315/250	**58 31 25 511**	670	333	170	150

Tee 45° long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





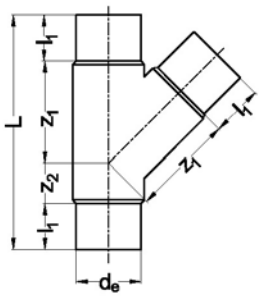
d_e	Art. Nr.	L	l_1	Z_1	Z_2
50	**39 05 46 517**	223	55	75	40
63	**39 06 46 517**	245	63	93	23
75	**39 07 46 517**	290	75	103	37
90	**39 09 46 517**	370	85	148	51
110	**39 11 46 517**	400	85	164	66
125	**39 12 46 517**	440	105	185	45
160	**39 16 46 517**	540	115	260	50
180	**39 18 46 517**	575	116	268	75
200	**39 20 46 517**	625	122	287	94
225	**39 22 46 517**	705	135	350	85

Tee 45° long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.	L	l_1	Z_1	Z_2
40	**39 04 46 511**	185	45	75	40
50	**39 05 46 511**	223	55	90	23
63	**39 06 46 511**	245	63	93	23
75	**39 07 46 511**	290	75	101	37
90	**39 09 46 511**	370	85	148	51
110	**39 11 46 511**	400	85	164	66
125	**39 12 46 511**	440	105	185	45
160	**39 16 46 511**	540	110	260	50
180	**39 18 46 511**	575	116	268	75
200	**39 20 46 511**	625	122	287	94
225	**39 22 46 511**	705	135	350	85

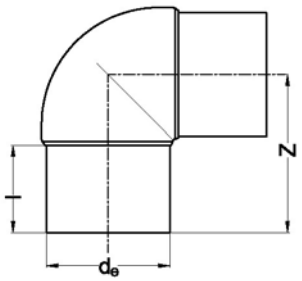
PE100 pressure fittings

Elbow 90° long SDR 17

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion





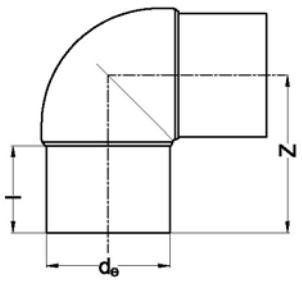
d_e	Art. Nr.	Z	l
63	**13 06 92 517**	95	56
75	**13 07 92 517**	116	72
90	**13 09 92 517**	139	78
110	**13 11 92 517**	158	86
125	**13 12 92 517**	180	104
140	**13 14 92 517**	198	119
160	**13 16 92 517**	210	117
180	**13 18 92 517**	222	116
200	**13 20 92 517**	250	128
225	**13 22 92 517**	269	136
250	**13 25 92 517**	307	180
280	**13 28 92 517**	340	200
315	**13 31 92 517**	370	210

Elbow 90° long SDR 11

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion





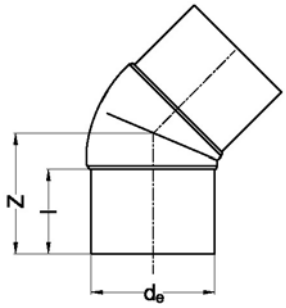
d_e	Art. Nr.	Z	l
20	**13 01 92 511**	70	60
25	**13 02 92 511**	63	42
32	**13 03 92 511**	72	47
40	**13 04 92 511**	69	44
50	**13 05 92 511**	77	50
63	**13 06 92 511**	95	56
75	**13 07 92 511**	116	72
90	**13 09 92 511**	139	78
110	**13 11 92 511**	158	86
125	**13 12 92 511**	180	104
140	**13 14 92 511**	198	119
160	**13 16 92 511**	210	117
180	**13 18 92 511**	222	116
200	**13 20 92 511**	250	128
225	**13 22 92 511**	269	136
250	**13 25 92 511**	307	180
280	**13 28 92 511**	340	200
315	**13 31 92 511**	370	210

Elbow 45° long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





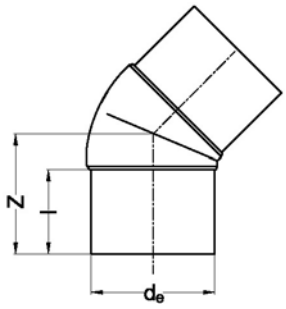
d_e	Art. Nr.	Z	l
63	**13 06 46 517**	82	56
75	**13 07 46 517**	96	75
90	**13 09 46 517**	120	84
110	**13 11 46 517**	129	91
125	**13 12 46 517**	147	101
140	**13 14 46 517**	153	104
160	**13 16 46 517**	169	113
180	**13 18 46 517**	186	120
200	**13 20 46 517**	201	127
225	**13 22 46 517**	218	134
250	**13 25 46 517**	217	155
280	**13 28 46 517**	232	162
315	**13 31 46 517**	251	173

Elbow 45° long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.	Z	l
20	**13 01 46 511**	44	39
25	**13 02 46 511**	41	35
32	**13 03 46 511**	48	47
40	**13 04 46 511**	58	44
50	**13 05 46 511**	74	54
63	**13 06 46 511**	82	56
75	**13 07 46 511**	96	75
90	**13 09 46 511**	120	84
110	**13 11 46 511**	129	91
125	**13 12 46 511**	147	101
140	**13 14 46 511**	153	104
160	**13 16 46 511**	169	113
180	**13 18 46 511**	186	120
200	**13 20 46 511**	201	127
225	**13 22 46 511**	218	134
250	**13 25 46 511**	217	155
280	**13 28 46 511**	232	162
315	**13 31 46 511**	251	173

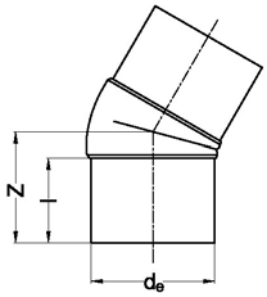
PE100 pressure fittings

Elbow 30° long SDR 17

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion





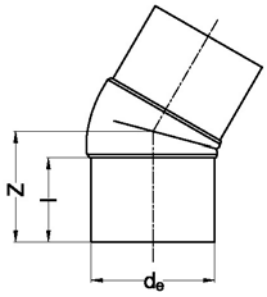
d_e	Art. Nr.	Z	l
75	**13 07 33 517**	108	77
90	**13 09 33 517**	116	85
110	**13 11 33 517**	130	96
125	**13 12 33 517**	143	102
140	**13 14 33 517**	148	110
160	**13 16 33 517**	154	108
180	**13 18 33 517**	160	116
200	**13 20 33 517**	170	122
225	**13 22 33 517**	185	129

Elbow 30° long SDR 11

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion





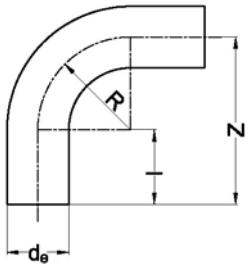
d_e	Art. Nr.	Z	l
75	**13 07 33 511**	108	77
90	**13 09 33 511**	116	85
110	**13 11 33 511**	130	96
125	**13 12 33 511**	143	102
140	**13 14 33 511**	148	110
160	**13 16 33 511**	154	108
180	**13 18 33 511**	160	116
200	**13 20 33 511**	170	122
225	**13 22 33 511**	185	129

Bend 90° R = 1 x d_e long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





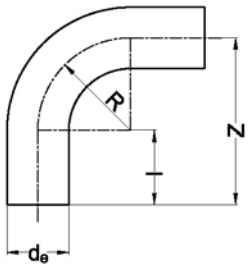
d_e	Art. Nr.	l	Z	R
63	**12 06 91 517**	63	128	63
75	**12 07 91 517**	70	148	75
90	**12 09 91 517**	71	164	90
110	**12 11 91 517**	75	188	110
125	**12 12 91 517**	85	213	125
140	**12 14 91 517**	90	234	140
160	**12 16 91 517**	90	254	160
180	**12 18 91 517**	100	284	180
200	**12 20 91 517**	108	312	200
225	**12 22 91 517**	115	344	225

Bend 90° R = 1 x d_e long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.	l	Z	R
20	**12 01 91 511**	37	59	20
25	**12 02 91 511**	39	66	25
32	**12 03 91 511**	44	78	32
40	**12 04 91 511**	49	91	40
50	**12 05 91 511**	55	107	50
63	**12 06 91 511**	63	128	63
75	**12 07 91 511**	70	148	75
90	**12 09 91 511**	71	164	90
110	**12 11 91 511**	75	188	110
125	**12 12 91 511**	85	213	125
140	**12 14 91 511**	90	234	140
160	**12 16 91 511**	90	254	160
180	**12 18 91 511**	100	284	180
200	**12 20 91 511**	108	312	200
225	**12 22 91 511**	115	344	225

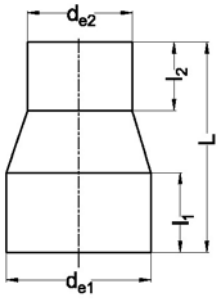
PE100 pressure fittings

Reducer concentric long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
50/25	**45 05 02 517**	130	55	40
50/32	**45 05 03 517**	132	55	44
50/40	**45 05 04 517**	134	55	49
63/32	**45 06 03 517**	146	63	44
63/40	**45 06 04 517**	150	63	49
63/50	**45 06 05 517**	150	63	55
75/63	**45 07 06 517**	147	66	63
90/50	**45 09 05 517**	142	64	49
90/63	**45 09 06 517**	144	69	55
90/75	**45 09 07 517**	163	74	65
110/63	**45 11 06 517**	174	85	63
110/75	**45 11 07 517**	180	85	57
110/90	**45 11 09 517**	179	79	74
125/63	**45 12 06 517**	187	87	61
125/75	**45 12 07 517**	205	105	76
125/90	**45 12 09 517**	216	99	86
125/110	**45 12 11 517**	201	89	84
140/75	**45 14 07 517**	230	112	70
140/90	**45 14 09 517**	230	112	79
140/110	**45 14 11 517**	230	112	82
140/125	**45 14 12 517**	214	99	92
160/90	**45 16 09 517**	216	101	72
160/110	**45 16 11 517**	223	104	84
160/125	**45 16 12 517**	227	95	91
160/140	**45 16 14 517**	217	110	95
180/90	**45 18 09 517**	237	105	79
180/110	**45 18 11 517**	270	120	92
180/125	**45 18 12 517**	278	116	103
180/140	**45 18 14 517**	270	120	110
180/160	**45 18 16 517**	277	115	114
200/125	**45 20 12 517**	283	123	103
200/140	**45 20 14 517**	275	120	110
200/160	**45 20 16 517**	253	105	100
200/180	**45 20 18 517**	272	120	115
225/110	**45 22 11 517**	312	130	94
225/140	**45 22 14 517**	295	130	110
225/160	**45 22 16 517**	312	130	109
225/180	**45 22 18 517**	310	130	111
225/200	**45 22 20 517**	272	124	115
250/160	**45 25 16 517**	339	138	111
250/180	**45 25 18 517**	338	137	123
250/200	**45 25 20 517**	337	137	127
250/225	**45 25 22 517**	337	146	137
280/180	**45 28 18 517**	350	146	119
280/200	**45 28 20 517**	350	146	124
280/225	**45 28 22 517**	350	146	129
280/250	**45 28 25 517**	350	146	134
315/200	**45 31 20 517**	380	180	134
315/225	**45 31 22 517**	380	157	133
315/250	**45 31 25 517**	380	157	138
315/280	**45 31 28 517**	380	157	148
355/250	**45 35 25 517**	415	172	143
355/280	**45 35 28 517**	415	172	148

-- to be continued --

Reducer concentric long SDR 17 - continuation -

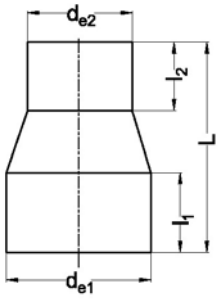
d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
355/315	**45 35 31 517**	415	172	158
400/280	**45 40 28 517**	450	187	153
400/315	**45 40 31 517**	450	187	158
400/355	**45 40 35 517**	450	187	168

Reducer concentric long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
25/20	**45 02 01 511**	87	40	41
32/20	**45 03 01 511**	92	43	39
32/25	**45 03 02 511**	89	44	37
40/20	**45 04 01 511**	94	45	36
40/25	**45 04 02 511**	96	47	35
40/32	**45 04 03 511**	93	50	39
50/25	**45 05 02 511**	136	62	48
50/32	**45 05 03 511**	134	61	50
50/40	**45 05 04 511**	134	61	56
63/32	**45 06 03 511**	150	69	50
63/40	**45 06 04 511**	152	69	55
63/50	**45 06 05 511**	151	69	60
75/50	**45 07 05 511**	148	64	58
75/63	**45 07 06 511**	149	65	59
90/50	**45 09 05 511**	142	64	49
90/63	**45 09 06 511**	144	69	55
90/75	**45 09 07 511**	163	76	61
110/63	**45 11 06 511**	174	85	63
110/75	**45 11 07 511**	180	85	57
110/90	**45 11 09 511**	179	99	93
125/63	**45 12 06 511**	187	87	61
125/75	**45 12 07 511**	205	105	76
125/90	**45 12 09 511**	216	99	86
125/110	**45 12 11 511**	200	90	82
140/75	**45 14 07 511**	230	112	70
140/90	**45 14 09 511**	230	112	79
140/110	**45 14 11 511**	230	112	82
140/125	**45 14 12 511**	211	96	90
160/90	**45 16 09 511**	217	102	74
160/110	**45 16 11 511**	223	104	84
160/125	**45 16 12 511**	231	98	92
160/140	**45 16 14 511**	217	110	95
180/90	**45 18 09 511**	237	105	79
180/110	**45 18 11 511**	270	120	92
180/125	**45 18 12 511**	278	116	103
180/140	**45 18 14 511**	270	120	110
180/160	**45 18 16 511**	277	115	114
200/125	**45 20 12 511**	283	123	103
200/140	**45 20 14 511**	275	120	110
200/160	**45 20 16 511**	252	105	100
200/180	**45 20 18 511**	272	120	115
225/110	**45 22 11 511**	312	130	94
225/140	**45 22 14 511**	295	130	110
225/160	**45 22 16 511**	312	130	109
225/180	**45 22 18 511**	310	130	111
225/200	**45 22 20 511**	272	124	115
250/160	**45 25 16 511**	339	138	111
250/180	**45 25 18 511**	338	137	123
250/200	**45 25 20 511**	337	137	127

-- to be continued --

PE100 pressure fittings

Reducer concentric long SDR 11 - continuation -

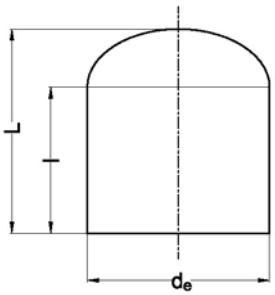
d_{e1}/d_{e2}	Art. Nr.	L	l_1	l_2
250/225	**45 25 22 511**	337	137	137
280/180	**45 28 18 511**	350	146	119
280/200	**45 28 20 511**	350	146	124
280/225	**45 28 22 511**	350	146	129
280/250	**45 28 25 511**	350	146	134
315/200	**45 31 20 511**	380	180	134
315/225	**45 31 22 511**	380	157	133
315/250	**45 31 25 511**	380	157	138
315/280	**45 31 28 511**	380	157	148
355/250	**45 35 25 511**	415	172	143
355/280	**45 35 28 511**	415	172	148
355/315	**45 35 31 511**	415	172	158
400/280	**45 40 28 511**	450	187	153
400/315	**45 40 31 511**	450	187	158
400/355	**45 40 35 511**	450	187	168

End cap long SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		L	l
63	**67 06 08 517**		85	62
75	**67 07 08 517**		95	63
90	**67 09 08 517**		110	79
110	**67 11 08 517**		127	88
125	**67 12 08 517**		124	95
140	**67 14 08 517**		140	110
160	**67 16 08 517**		152	121
180	**67 18 08 517**		169	134
200	**67 20 08 517**		184	140
225	**67 22 08 517**		200	160
250	**67 25 08 517**		230	152
280	**67 28 08 517**		257	162
315	**67 31 08 517**		262	167
355	**67 35 08 517**		270	250
400	**67 40 08 517**		275	250
450	**67 45 08 517**	*	285	250
500	**67 50 08 517**	*	290	275
560	**67 56 08 517**	*	300	275
630	**67 63 08 517**	*	310	300
710	**67 71 08 517**	*	320	300
800	**67 80 08 517**	*	330	300

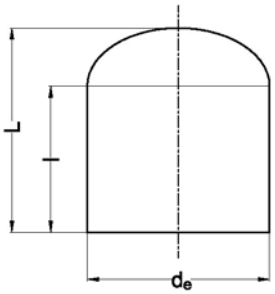
* *machined and extended with pipe fabrication on order, returning not possible*

End cap long SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		L	l
20	**67 01 08 511**		45	35
25	**67 02 08 511**		52	40
32	**67 03 08 511**		58	44
40	**67 04 08 511**		67	50
50	**67 05 08 511**		75	55
63	**67 06 08 511**		85	62
75	**67 07 08 511**		95	63
90	**67 09 08 511**		110	79
110	**67 11 08 511**		127	88
125	**67 12 08 511**		124	95
140	**67 14 08 511**		140	110
160	**67 16 08 511**		152	121
180	**67 18 08 511**		169	134
200	**67 20 08 511**		184	140
225	**67 22 08 511**		200	160
250	**67 25 08 511**		230	152
280	**67 28 08 511**		257	162
315	**67 31 08 511**		262	167
355	**67 35 08 511**		280	250
400	**67 40 08 511**		285	250
450	**67 45 08 511**	*	295	250
500	**67 50 08 511**	*	305	275

-- to be continued --

PE100 pressure fittings

End cap long SDR 11 - continuation -

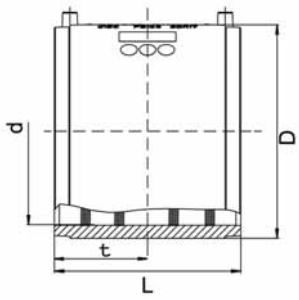
d_e	Art. Nr.		L	l
560	**67 56 08 511**	*	315	275
630	**67 63 08 511**	*	325	300
710	**67 71 08 511**	*	320	300
800	**67 80 08 511**	*	330	300

* *machined and extended with pipe fabrication on order, returning not possible*

Electrofusion coupler SDR 17-33
AM, without center stop
for electrofusion

PE100
SDR 17
water 10 bar





d	Art. Nr.		D	L	t	kg
110	**68 00 01**		128	160	80	0,60
125	**68 00 13**		146	160	80	0,62
160	**68 00 02**		184	180	90	1,10
180	**68 00 03**		206	180	90	1,70
200	**68 00 04**		229	180	90	3,20
225	**68 00 05**		250	200	100	2,00
250	**68 00 06**		280	200	100	2,65
280	**68 00 07**		315	200	100	3,45
315	**68 00 08**		355	220	110	4,90
355	**68 00 09**		400	220	110	6,10
400	**68 00 10**		450	220	110	7,85
450	**68 00 11**		500	220	110	8,40
500	**68 00 12**	*	560	270	135	14,90
560	**68 00 18**	**	630	380	190	24,20
630	**68 00 19**	**	710	420	210	36,80

* *separate fusion zones*

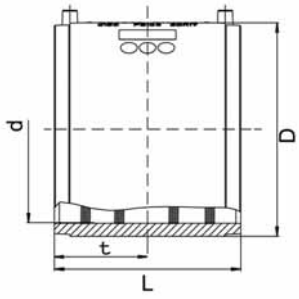
** *separate fusion zones and pre-heating technique for compensation of a larger angular gap (d560-d630 compulsory)*

For PE pipes SDR 17-33.
Exposed heating coil for direct heat transmission, extra long insertion depths, wide fusion and cold zone.

Electrofusion coupler SDR 17
UB, without center stop
for electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d	Art. Nr.		D	L	t	kg
560	**61 57 06**	*	630	380	190	24,20
630	**61 57 26**	*	710	420	210	36,80
710	**61 59 94**	*	800	420	210	48,60
800	**61 62 90**	*	900	500	250	65,90
900	**61 63 45**	*	1024	500	250	91,50

* *separate fusion zones and pre-heating technique for compensation of a larger annular gap (> 1 mm, max. 3 mm) (d500-d900 compulsory) d710-d900 compulsory use of hydraulic rounding clamp PWXRH*

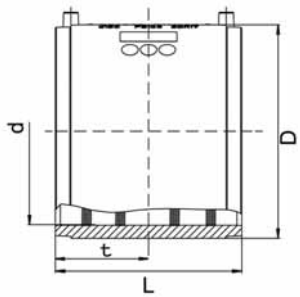
For PE pipes SDR 17-17,6. Other SDR values on request.
Exposed heating coil for direct heat transmission, extra long insertion depths, wide fusion and cold zone.

PE100 pressure fittings

Electrofusion coupler SDR 11-17
UB, without center stop
for electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d	Art. Nr.		D	L	t	kg
20	**61 26 60**		33	60	30	0,04
25	**61 26 61**		38	66	33	0,04
32	**61 26 62**		45	77	39	0,07
40	**61 26 63**		54	86	43	0,10
50	**61 26 64**		68	98	49	0,15
63	**61 26 65**		82	112	56	0,21
75	**61 26 66**		98	122	62	0,32
90	**61 26 67**		118	138	69	0,52
110	**61 26 68**		142	158	79	0,86
125	**61 26 69**		160	172	86	1,20
140	**61 50 01**		181	184	92	1,63
160	**61 26 71**		206	202	101	2,34
180	**61 26 72**		220	210	105	2,09
200	**61 26 73**		247	220	110	2,80
225	**61 26 74**		277	236	118	3,95
250	**61 26 75**		315	246	123	6,70
280	**61 50 73**	*	355	268	134	9,30
315	**61 26 70**	*	400	285	142	13,75
355	**61 50 74**	*	450	300	150	16,70
400	**61 50 75**	*	500	320	160	20,80
450	**61 50 76**	*	560	340	170	30,40
500	**61 51 24**	*	630	360	180	42,50
560	**61 63 12**	*	715	380	190	56,40
630	**61 62 69**	*	810	420	210	80,60
710	**61 63 13**	*	900	420	210	101,00
800	**61 63 14**	*	1000	500	250	149,00

* *separate fusion zones and pre-heating technique for compensation of a larger annular gap (> 1 mm, max. 3 mm) (d280-d450 optional, d500-d900 compulsory)*
d710-d800 compulsory use of FRIATOOLS scraper, FRIAMAT welding machine and hydraulic rounding clamp PWXRH

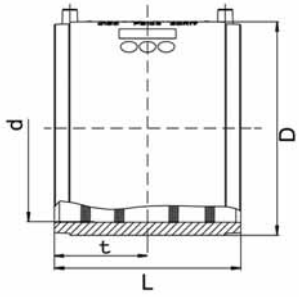
For PE pipes SDR 11-17,6.
Exposed heating coil for direct heat transmission, extra long insertion depths, wide fusion and cold zone.

Electrofusion coupler SDR 7,4-11

UB, without center stop
for electrofusion

PE100
SDR 7,4
water 25 bar





d	Art. Nr.		D	L	t	kg
90	**61 62 70**		117	138	69	0,53
110	**61 62 71**		142	159	79	0,89
125	**61 62 72**		160	172	86	1,20
140	**61 62 73**		181	184	92	1,62
160	**61 62 74**		206	203	95	2,36
180	**61 62 82**		225	210	105	2,95
200	**61 62 83**		250	224	110	3,87
225	**61 62 84**		280	240	118	5,16
250	**61 62 85**		315	246	123	6,84
280	**61 62 86**	*	355	268	134	10,70
315	**61 62 87**	**	400	285	142	13,40
355	**61 62 88**	**	450	300	150	17,90

* *separate fusion zones*

** *separate fusion zones and pre-heating technique for compensation of a larger angular gap*

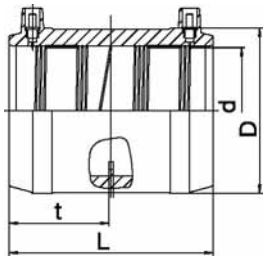
For PE pipes SDR 7,4-11.
Exposed heating coil for direct heat transmission, extra long insertion depths, wide fusion and cold zone.

Electrofusion coupler SDR 11-17

MB, with center stop
for electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d	Art. Nr.	D	L	t	kg
20	**61 26 80**	33	60	29	0,04
25	**61 26 81**	38	66	32	0,05
32	**61 26 82**	45	78	38	0,07
40	**61 26 83**	54	85	42	0,10
50	**61 26 84**	68	98	48	0,15
63	**61 26 85**	82	110	55	0,21
75	**61 26 86**	98	122	60	0,32
90	**61 26 87**	117	138	68	0,52
110	**61 26 88**	142	158	78	0,87
125	**61 26 89**	161	172	85	1,20
140	**61 26 90**	181	184	91	1,64
160	**61 26 91**	206	202	100	2,34

For PE pipes SDR 11-17,6.
Exposed heating coil for direct heat transmission, extra long insertion depths, wide fusion and cold zone.
Easily removable center stop.
Also suitable as repair coupler.

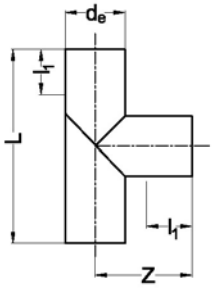
PE100 pressure fittings

Tee 90° welded SDR 33

PE100
SDR 33
water 2 bar

for butt-welding and electrofusion





d_e	Art. Nr.	L	Z	l_1
225	**39 22 02 533**	530	265	150
250	**39 25 02 533**	750	375	250
280	**39 28 02 533**	780	390	250
315	**39 31 02 533**	920	460	300
355	**39 35 02 533**	960	480	300
400	**39 40 02 533**	1000	500	300
450	**39 45 02 533**	1050	525	300
500	**39 50 02 533**	1200	600	350
560	**39 56 02 533**	1260	630	350
630	**39 63 02 533**	1330	665	350
710	**39 71 02 533**	1410	705	350
800	**39 80 02 533**	1500	750	350
900	**39 90 02 533**	1700	850	400
1000	**39 91 02 533**	1800	900	400

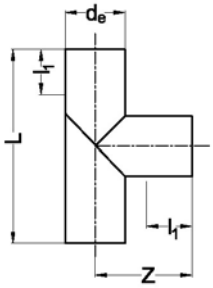
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 90° welded SDR 17

PE100
SDR 17
water 6 bar

for butt-welding and electrofusion





d_e	Art. Nr.	L	Z	l_1
225	**39 22 02 517**	530	265	150
250	**39 25 02 517**	750	375	250
280	**39 28 02 517**	780	390	250
315	**39 31 02 517**	920	460	300
355	**39 35 02 517**	960	480	300
400	**39 40 02 517**	1000	500	300
450	**39 45 02 517**	1050	525	300
500	**39 50 02 517**	1200	600	350
560	**39 56 02 517**	1260	630	350
630	**39 63 02 517**	1330	665	350
710	**39 71 02 517**	1410	705	350
800	**39 80 02 517**	1500	750	350

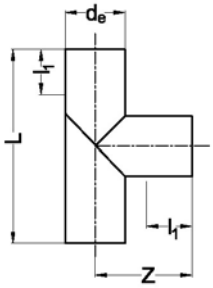
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 90° welded SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 10 bar





d_e	Art. Nr.	L	Z	l_1
225	**39 22 02 511**	530	265	150
250	**39 25 02 511**	750	375	250
280	**39 28 02 511**	780	390	250
315	**39 31 02 511**	920	460	300
355	**39 35 02 511**	960	480	300
400	**39 40 02 511**	1000	500	300
450	**39 45 02 511**	1050	525	300
500	**39 50 02 511**	1200	600	350
560	**39 56 02 511**	1260	630	350
630	**39 63 02 511**	1330	665	350

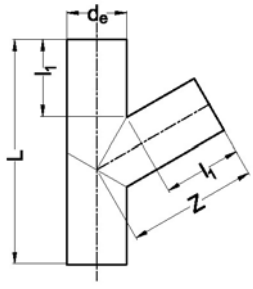
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 60° welded SDR 33

for butt-welding and electrofusion

PE100
SDR 33
water 1,5 bar





d_e	Art. Nr.	L	Z	l_1
225	**35 22 02 533**	760	445	250
250	**35 25 02 533**	889	517	300
280	**35 28 02 533**	923	543	300
315	**35 31 02 533**	1064	623	350
355	**35 35 02 533**	1110	658	350
400	**35 40 02 533**	1162	697	350
450	**35 45 02 533**	1220	740	350
500	**35 50 02 533**	1277	783	350
560	**35 56 02 533**	1347	835	350
630	**35 63 02 533**	1427	896	350
710	**35 71 02 533**	1520	965	350
800	**35 80 02 533**	1724	1093	400
900	**35 90 02 533**	1839	1180	400
1000	**35 91 02 533**	1955	1266	400

Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

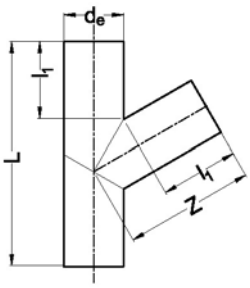
PE100 pressure fittings

Tee 60° welded SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 5 bar





d_e	Art. Nr.	L	Z	l_1
225	**35 22 02 517**	760	445	250
250	**35 25 02 517**	889	517	300
280	**35 28 02 517**	923	543	300
315	**35 31 02 517**	1064	623	350
355	**35 35 02 517**	1110	658	350
400	**35 40 02 517**	1162	697	350
450	**35 45 02 517**	1220	740	350
500	**35 50 02 517**	1277	783	350
560	**35 56 02 517**	1347	835	350
630	**35 63 02 517**	1427	896	350
710	**35 71 02 517**	1520	965	350
800	**35 80 02 517**	1724	1093	400

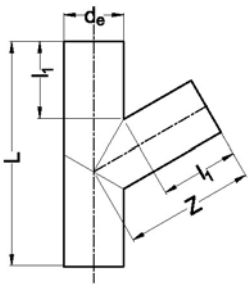
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 60° welded SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 8 bar





d_e	Art. Nr.	L	Z	l_1
225	**35 22 02 511**	760	445	250
250	**35 25 02 511**	889	517	300
280	**35 28 02 511**	923	543	300
315	**35 31 02 511**	1064	623	350
355	**35 35 02 511**	1110	658	350
400	**35 40 02 511**	1162	697	350
450	**35 45 02 511**	1220	740	350
500	**35 50 02 511**	1277	783	350
560	**35 56 02 511**	1347	835	350
630	**35 63 02 511**	1427	896	350

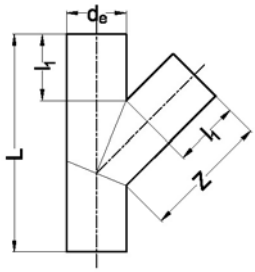
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 45° welded SDR 33

for butt-welding and electrofusion

PE100
SDR 33
water 1,5 bar





d_e	Art. Nr.	L	Z	l_1
225	**30 22 02 533**	818	522	250
250	**30 25 02 533**	954	602	300
280	**30 28 02 533**	996	638	300
315	**30 31 02 533**	1145	730	350
355	**30 35 02 533**	1202	779	350
400	**30 40 02 533**	1266	833	350
450	**30 45 02 533**	1336	893	350
500	**30 50 02 533**	1407	954	350
560	**30 56 02 533**	1492	1026	350
630	**30 63 02 533**	1591	1110	350
710	**30 71 02 533**	1704	1207	350
800	**30 80 02 533**	1831	1316	350
900	**30 90 02 533**	2073	1486	400
1000	**30 91 02 533**	2214	1607	400

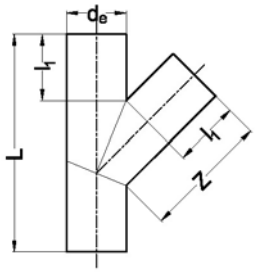
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 45° welded SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 4 bar





d_e	Art. Nr.	L	Z	l_1
225	**30 22 02 517**	818	522	250
250	**30 25 02 517**	954	602	300
280	**30 28 02 517**	996	638	300
315	**30 31 02 517**	1145	730	350
355	**30 35 02 517**	1202	779	350
400	**30 40 02 517**	1266	833	350
450	**30 45 02 517**	1336	893	350
500	**30 50 02 517**	1407	954	350
560	**30 56 02 517**	1492	1026	350
630	**30 63 02 517**	1591	1110	350
710	**30 71 02 517**	1704	1207	350
800	**30 80 02 517**	1831	1316	350

Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

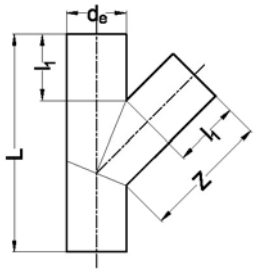
PE100 pressure fittings

Tee 45° welded SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 7 bar





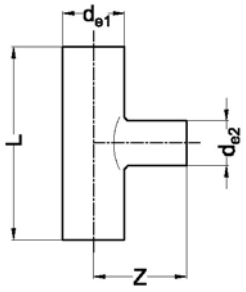
d_e	Art. Nr.	L	Z	l_1
225	**30 22 02 511**	818	522	250
250	**30 25 02 511**	954	602	300
280	**30 28 02 511**	996	638	300
315	**30 31 02 511**	1145	730	350
355	**30 35 02 511**	1202	779	350
400	**30 40 02 511**	1266	833	350
450	**30 45 02 511**	1336	893	350
500	**30 50 02 511**	1407	954	350
560	**30 56 02 511**	1492	1026	350
630	**30 63 02 511**	1591	1110	350

Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 90° reduced welded SDR 17
with reduced branch
for butt-welding and electrofusion

PE100
SDR 17
water 6 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
110/32	**29 11 03 517**	332	180
110/40	**29 11 04 517**	340	180
110/50	**29 11 05 517**	350	180
110/63	**29 11 06 517**	363	180
110/75	**29 11 07 517**	375	180
125/32	**29 12 03 517**	332	188
125/40	**29 12 04 517**	340	188
125/50	**29 12 05 517**	350	188
125/63	**29 12 06 517**	363	188
125/75	**29 12 07 517**	375	188
125/90	**29 12 09 517**	390	188
140/32	**29 14 03 517**	332	195
140/40	**29 14 04 517**	340	195
140/50	**29 14 05 517**	350	195
140/63	**29 14 06 517**	363	195
140/75	**29 14 07 517**	375	195
140/90	**29 14 09 517**	390	195
140/110	**29 14 11 517**	410	195
160/32	**29 16 03 517**	332	205
160/40	**29 16 04 517**	340	205
160/50	**29 16 05 517**	350	205
160/63	**29 16 06 517**	363	205
160/75	**29 16 07 517**	375	205
160/90	**29 16 09 517**	390	205
160/110	**29 16 11 517**	410	205
160/125	**29 16 12 517**	425	205
180/32	**29 18 03 517**	332	240
180/40	**29 18 04 517**	340	240
180/50	**29 18 05 517**	350	240
180/63	**29 18 06 517**	363	240
180/75	**29 18 07 517**	375	240
180/90	**29 18 09 517**	390	240
180/110	**29 18 11 517**	410	240
180/125	**29 18 12 517**	425	240
180/140	**29 18 14 517**	440	240
200/32	**29 20 03 517**	332	250
200/40	**29 20 04 517**	340	250
200/50	**29 20 05 517**	350	250
200/63	**29 20 06 517**	363	250
200/75	**29 20 07 517**	375	250
200/90	**29 20 09 517**	390	250
200/110	**29 20 11 517**	410	250
200/125	**29 20 12 517**	425	250
200/140	**29 20 14 517**	440	250
200/160	**29 20 16 517**	460	250
225/63	**29 22 06 517**	363	238
225/75	**29 22 07 517**	375	238
225/90	**29 22 09 517**	390	238
225/110	**29 22 11 517**	410	238
225/125	**29 22 12 517**	425	238
225/140	**29 22 14 517**	440	238
225/160	**29 22 16 517**	460	238
225/180	**29 22 18 517**	480	263
250/75	**29 25 07 517**	475	250
250/90	**29 25 09 517**	490	250
250/110	**29 25 11 517**	510	250

-- to be continued --

PE100 pressure fittings

Tee 90° reduced welded SDR 17 - continuation -

d_{e1}/d_{e2}	Art. Nr.	L	Z
250/125	**29 25 12 517**	525	250
250/140	**29 25 14 517**	540	250
250/160	**29 25 16 517**	560	250
250/180	**29 25 18 517**	580	275
250/200	**29 25 20 517**	600	275
280/75	**29 28 07 517**	475	265
280/90	**29 28 09 517**	490	265
280/110	**29 28 11 517**	510	265
280/125	**29 28 12 517**	525	265
280/140	**29 28 14 517**	540	265
280/160	**29 28 16 517**	560	265
280/180	**29 28 18 517**	580	290
280/200	**29 28 20 517**	600	290
280/225	**29 28 22 517**	625	290
315/90	**29 31 09 517**	490	283
315/110	**29 31 11 517**	510	283
315/125	**29 31 12 517**	525	283
315/140	**29 31 14 517**	540	283
315/160	**29 31 16 517**	560	283
315/180	**29 31 18 517**	580	308
315/200	**29 31 20 517**	600	308
315/225	**29 31 22 517**	625	308
315/250	**29 31 25 517**	650	358
355/110	**29 35 11 517**	510	303
355/125	**29 35 12 517**	525	303
355/140	**29 35 14 517**	540	303
355/160	**29 35 16 517**	560	303
355/180	**29 35 18 517**	580	328
355/200	**29 35 20 517**	600	328
355/225	**29 35 22 517**	625	328
355/250	**29 35 25 517**	650	378
355/280	**29 35 28 517**	680	378
400/110	**29 40 11 517**	510	325
400/125	**29 40 12 517**	525	325
400/140	**29 40 14 517**	540	325
400/160	**29 40 16 517**	560	325
400/180	**29 40 18 517**	580	350
400/200	**29 40 20 517**	600	350
400/225	**29 40 22 517**	625	350
400/250	**29 40 25 517**	650	400
400/280	**29 40 28 517**	680	400
400/315	**29 40 31 517**	715	400
450/110	**29 45 11 517**	510	350
450/125	**29 45 12 517**	525	350
450/140	**29 45 14 517**	540	350
450/160	**29 45 16 517**	560	350
450/180	**29 45 18 517**	580	375
450/200	**29 45 20 517**	600	375
450/225	**29 45 22 517**	625	375
450/250	**29 45 25 517**	650	425
450/280	**29 45 28 517**	680	425
450/315	**29 45 31 517**	715	425
450/355	**29 45 35 517**	755	425
500/110	**29 50 11 517**	510	375
500/125	**29 50 12 517**	525	375
500/140	**29 50 14 517**	540	375
500/160	**29 50 16 517**	560	375
500/180	**29 50 18 517**	580	400
500/200	**29 50 20 517**	600	400
500/225	**29 50 22 517**	625	400

-- to be continued --

Tee 90° reduced welded SDR 17 - continuation -

d_{e1}/d_{e2}	Art. Nr.	L	Z
500/250	**29 50 25 517**	650	450
500/280	**29 50 28 517**	680	450
500/315	**29 50 31 517**	715	450
500/355	**29 50 35 517**	755	450
500/400	**29 50 40 517**	800	450
560/110	**29 56 11 517**	510	480
560/125	**29 56 12 517**	525	480
560/140	**29 56 14 517**	540	480
560/160	**29 56 16 517**	560	480
560/180	**29 56 18 517**	580	480
560/200	**29 56 20 517**	600	480
560/225	**29 56 22 517**	625	480
560/250	**29 56 25 517**	650	480
560/280	**29 56 28 517**	680	480
560/315	**29 56 31 517**	715	480
560/355	**29 56 35 517**	755	480
560/400	**29 56 40 517**	800	480
630/160	**29 63 16 517**	560	520
630/180	**29 63 18 517**	580	520
630/200	**29 63 20 517**	600	520
630/225	**29 63 22 517**	625	520
630/250	**29 63 25 517**	650	520
630/280	**29 63 28 517**	680	520
630/315	**29 63 31 517**	715	520
630/355	**29 63 35 517**	755	520
630/400	**29 63 40 517**	800	520
630/455	**29 63 45 517**	850	520

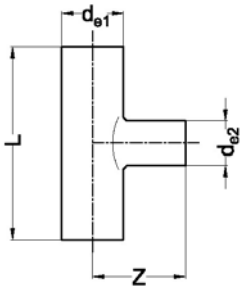
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

PE100 pressure fittings

Tee 90° reduced welded SDR 11
with reduced branch
for butt-welding and electrofusion

PE100
SDR 11
water 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
110/32	**29 11 03 511**	332	180
110/40	**29 11 04 511**	340	180
110/50	**29 11 05 511**	350	180
110/63	**29 11 06 511**	363	180
110/75	**29 11 07 511**	375	180
125/32	**29 12 03 511**	332	188
125/40	**29 12 04 511**	340	188
125/50	**29 12 05 511**	350	188
125/63	**29 12 06 511**	363	188
125/75	**29 12 07 511**	375	188
125/90	**29 12 09 511**	390	188
140/32	**29 14 03 511**	332	195
140/40	**29 14 04 511**	340	195
140/50	**29 14 05 511**	350	195
140/63	**29 14 06 511**	363	195
140/75	**29 14 07 511**	375	195
140/90	**29 14 09 511**	390	195
140/110	**29 14 11 511**	410	195
160/32	**29 16 03 511**	332	205
160/40	**29 16 04 511**	340	205
160/50	**29 16 05 511**	350	205
160/63	**29 16 06 511**	363	205
160/75	**29 16 07 511**	375	205
160/90	**29 16 09 511**	390	205
160/110	**29 16 11 511**	410	205
160/125	**29 16 12 511**	425	205
180/32	**29 18 03 511**	332	240
180/40	**29 18 04 511**	340	240
180/50	**29 18 05 511**	350	240
180/63	**29 18 06 511**	363	240
180/75	**29 18 07 511**	375	240
180/90	**29 18 09 511**	390	240
180/110	**29 18 11 511**	410	240
180/125	**29 18 12 511**	425	240
180/140	**29 18 14 511**	440	240
200/32	**29 20 03 511**	332	250
200/40	**29 20 04 511**	340	250
200/50	**29 20 05 511**	350	250
200/63	**29 20 06 511**	363	250
200/75	**29 20 07 511**	375	250
200/90	**29 20 09 511**	390	250
200/110	**29 20 11 511**	410	250
200/125	**29 20 12 511**	425	250
200/140	**29 20 14 511**	440	250
200/160	**29 20 16 511**	460	250
225/63	**29 22 06 511**	363	238
225/75	**29 22 07 511**	375	238
225/90	**29 22 09 511**	390	238
225/110	**29 22 11 511**	410	238
225/125	**29 22 12 511**	425	238
225/140	**29 22 14 511**	440	238
225/160	**29 22 16 511**	460	238
225/180	**29 22 18 511**	480	263
250/75	**29 25 07 511**	475	250
250/90	**29 25 09 511**	490	250
250/110	**29 25 11 511**	510	250

-- to be continued --

Tee 90° reduced welded SDR 11 - continuation -

d_{e1}/d_{e2}	Art. Nr.	L	Z
250/125	**29 25 12 511**	525	250
250/140	**29 25 14 511**	540	250
250/160	**29 25 16 511**	560	250
250/180	**29 25 18 511**	580	275
250/200	**29 25 20 511**	600	275
280/75	**29 28 07 511**	475	265
280/90	**29 28 09 511**	490	265
280/110	**29 28 11 511**	510	265
280/125	**29 28 12 511**	525	265
280/140	**29 28 14 511**	540	265
280/160	**29 28 16 511**	560	265
280/180	**29 28 18 511**	580	290
280/200	**29 28 20 511**	600	290
280/225	**29 28 22 511**	625	290
315/90	**29 31 09 511**	490	283
315/110	**29 31 11 511**	510	283
315/125	**29 31 12 511**	525	283
315/140	**29 31 14 511**	540	283
315/160	**29 31 16 511**	560	283
315/180	**29 31 18 511**	580	308
315/200	**29 31 20 511**	600	308
315/225	**29 31 22 511**	625	308
315/250	**29 31 25 511**	650	358
355/110	**29 35 11 511**	510	303
355/125	**29 35 12 511**	525	303
355/140	**29 35 14 511**	540	303
355/160	**29 35 16 511**	560	303
355/180	**29 35 18 511**	580	328
355/200	**29 35 20 511**	600	328
355/225	**29 35 22 511**	625	328
355/250	**29 35 25 511**	650	378
355/280	**29 35 28 511**	680	378
400/110	**29 40 11 511**	510	325
400/125	**29 40 12 511**	525	325
400/140	**29 40 14 511**	540	325
400/160	**29 40 16 511**	560	325
400/180	**29 40 18 511**	580	350
400/200	**29 40 20 511**	600	350
400/225	**29 40 22 511**	625	350
400/250	**29 40 25 511**	650	400
400/280	**29 40 28 511**	680	400
400/315	**29 40 31 511**	715	400
450/110	**29 45 11 511**	510	350
450/125	**29 45 12 511**	525	350
450/140	**29 45 14 511**	540	350
450/160	**29 45 16 511**	560	350
450/180	**29 45 18 511**	580	375
450/200	**29 45 20 511**	600	375
450/225	**29 45 22 511**	625	375
450/250	**29 45 25 511**	650	425
450/280	**29 45 28 511**	680	425
450/315	**29 45 31 511**	715	425
450/355	**29 45 35 511**	755	425
500/110	**29 50 11 511**	510	375
500/125	**29 50 12 511**	525	375
500/140	**29 50 14 511**	540	375
500/160	**29 50 16 511**	560	375
500/180	**29 50 18 511**	580	400
500/200	**29 50 20 511**	600	400
500/225	**29 50 22 511**	625	400

-- to be continued --

PE100 pressure fittings

Tee 90° reduced welded SDR 11 - continuation -

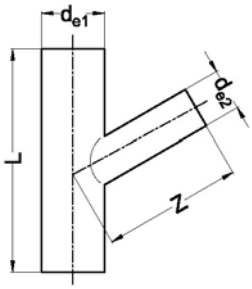
d_{e1}/d_{e2}	Art. Nr.	L	Z
500/250	**29 50 25 511**	650	450
500/280	**29 50 28 511**	680	450
500/315	**29 50 31 511**	715	450
500/355	**29 50 35 511**	755	450
500/400	**29 50 40 511**	800	450
560/110	**29 56 11 511**	510	480
560/125	**29 56 12 511**	525	480
560/140	**29 56 14 511**	540	480
560/160	**29 56 16 511**	560	480
560/180	**29 56 18 511**	580	480
560/200	**29 56 20 511**	600	480
560/225	**29 56 22 511**	625	480
560/250	**29 56 25 511**	650	480
560/280	**29 56 28 511**	680	480
560/315	**29 56 31 511**	715	480
560/355	**29 56 35 511**	755	480
560/400	**29 56 40 511**	800	480
630/160	**29 63 16 511**	560	520
630/180	**29 63 18 511**	580	520
630/200	**29 63 20 511**	600	520
630/225	**29 63 22 511**	625	520
630/250	**29 63 25 511**	650	520
630/280	**29 63 28 511**	680	520
630/315	**29 63 31 511**	715	520
630/355	**29 63 35 511**	755	520
630/400	**29 63 40 511**	800	520
630/455	**29 63 45 511**	850	520

Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
Fabrication on order, returning not possible.

Tee 60° reduced extrusion welded SDR 17
with reduced branch
for butt-welding and electrofusion

PE100
SDR 17
non pressure, gravity





d_{e1}/d_{e2}	Art. Nr.	L	Z
125/110	**35 12 11 517**	527	304
140/110	**35 14 11 517**	527	313
160/110	**35 16 11 517**	527	324
160/125	**35 16 12 517**	544	329
180/110	**35 18 11 517**	527	336
180/125	**35 18 12 517**	544	340
180/140	**35 18 14 517**	562	344
200/110	**35 20 11 517**	627	397
200/125	**35 20 12 517**	644	402
200/140	**35 20 14 517**	662	406
200/160	**35 20 16 517**	685	412
225/110	**35 22 11 517**	627	412
225/125	**35 22 12 517**	644	416
225/140	**35 22 14 517**	662	420
225/160	**35 22 16 517**	685	426
225/180	**35 22 18 517**	708	432
250/110	**35 25 11 517**	727	476
250/125	**35 25 12 517**	744	480
250/140	**35 25 14 517**	762	485
250/160	**35 25 16 517**	785	491
250/180	**35 25 18 517**	808	496
250/200	**35 25 20 517**	831	502
280/110	**35 28 11 517**	727	493
280/125	**35 28 12 517**	744	498
280/140	**35 28 14 517**	762	502
280/160	**35 28 16 517**	785	508
280/180	**35 28 18 517**	808	514
280/200	**35 28 20 517**	831	519
280/225	**35 28 22 517**	860	527
315/110	**35 31 11 517**	827	564
315/125	**35 31 12 517**	844	568
315/140	**35 31 14 517**	862	572
315/160	**35 31 16 517**	885	578
315/180	**35 31 18 517**	908	584
315/200	**35 31 20 517**	931	590
315/225	**35 31 22 517**	960	597
315/250	**35 31 25 517**	989	604
355/110	**35 35 11 517**	827	587
355/125	**35 35 12 517**	844	591
355/140	**35 35 14 517**	862	595
355/160	**35 35 16 517**	885	601
355/180	**35 35 18 517**	908	607
355/200	**35 35 20 517**	931	613
355/225	**35 35 22 517**	960	620
355/250	**35 35 25 517**	989	627
355/280	**35 35 28 517**	1023	636
400/110	**35 40 11 517**	827	613
400/125	**35 40 12 517**	844	617
400/140	**35 40 14 517**	862	621
400/160	**35 40 16 517**	885	627
400/180	**35 40 18 517**	908	633
400/200	**35 40 20 517**	931	639
400/225	**35 40 22 517**	960	646
400/250	**35 40 25 517**	989	653
400/280	**35 40 28 517**	1023	662
400/315	**35 40 31 517**	1064	672

-- to be continued --

PE100 pressure fittings

Tee 60° reduced extrusion welded SDR 17 - continuation -

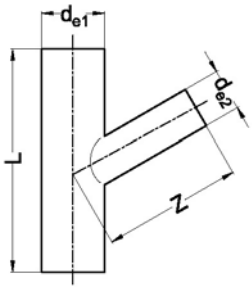
d_{e1}/d_{e2}	Art. Nr.	L	Z
450/110	**35 45 11 517**	827	642
450/125	**35 45 12 517**	844	646
450/140	**35 45 14 517**	862	650
450/160	**35 45 16 517**	702	656
450/180	**35 45 18 517**	908	662
450/200	**35 45 20 517**	931	668
450/225	**35 45 22 517**	960	675
450/250	**35 45 25 517**	989	682
450/280	**35 45 28 517**	1023	691
450/315	**35 45 31 517**	1064	701

For non pressure applications.
Fabrication on order, returning not possible.

Tee 60° reduced extrusion welded SDR 11
with reduced branch
for butt-welding and electrofusion

PE100
SDR 11
non pressure, gravity





d_{e1}/d_{e2}	Art. Nr.	L	Z
125/110	**35 12 11 511**	527	304
140/110	**35 14 11 511**	527	313
160/110	**35 16 11 511**	527	324
160/125	**35 16 12 511**	544	329
180/110	**35 18 11 511**	527	336
180/125	**35 18 12 511**	544	340
180/140	**35 18 14 511**	562	344
200/110	**35 20 11 511**	627	397
200/125	**35 20 12 511**	644	402
200/140	**35 20 14 511**	662	406
200/160	**35 20 16 511**	685	412
225/110	**35 22 11 511**	627	412
225/125	**35 22 12 511**	644	416
225/140	**35 22 14 511**	662	420
225/160	**35 22 16 511**	685	426
225/180	**35 22 18 511**	708	432
250/110	**35 25 11 511**	727	476
250/125	**35 25 12 511**	744	480
250/140	**35 25 14 511**	762	485
250/160	**35 25 16 511**	785	491
250/180	**35 25 18 511**	808	496
250/200	**35 25 20 511**	831	502
280/110	**35 28 11 511**	727	493
280/125	**35 28 12 511**	744	498
280/140	**35 28 14 511**	762	502
280/160	**35 28 16 511**	785	508
280/180	**35 28 18 511**	808	514
280/200	**35 28 20 511**	831	519
280/225	**35 28 22 511**	860	527
315/110	**35 31 11 511**	827	564
315/125	**35 31 12 511**	844	568
315/140	**35 31 14 511**	862	572
315/160	**35 31 16 511**	885	578
315/180	**35 31 18 511**	908	584
315/200	**35 31 20 511**	931	590
315/225	**35 31 22 511**	960	597
315/250	**35 31 25 511**	989	604
355/110	**35 35 11 511**	827	587
355/125	**35 35 12 511**	844	591
355/140	**35 35 14 511**	862	595
355/160	**35 35 16 511**	885	601
355/180	**35 35 18 511**	908	607
355/200	**35 35 20 511**	931	613
355/225	**35 35 22 511**	960	620
355/250	**35 35 25 511**	989	627
355/280	**35 35 28 511**	1023	636
400/110	**35 40 11 511**	827	613
400/125	**35 40 12 511**	844	617
400/140	**35 40 14 511**	862	621
400/160	**35 40 16 511**	885	627
400/180	**35 40 18 511**	908	633
400/200	**35 40 20 511**	931	639
400/225	**35 40 22 511**	960	646
400/250	**35 40 25 511**	989	653
400/280	**35 40 28 511**	1023	662
400/315	**35 40 31 511**	1064	672

-- to be continued --

PE100 pressure fittings

Tee 60° reduced extrusion welded SDR 11 - continuation -

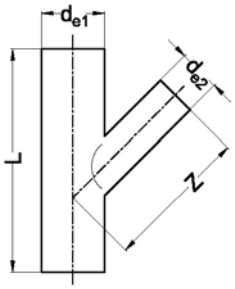
d_{e1}/d_{e2}	Art. Nr.	L	Z
450/110	**35 45 11 511**	827	642
450/125	**35 45 12 511**	844	646
450/140	**35 45 14 511**	862	650
450/160	**35 45 16 511**	702	656
450/180	**35 45 18 511**	908	662
450/200	**35 45 20 511**	931	668
450/225	**35 45 22 511**	960	675
450/250	**35 45 25 511**	989	682
450/280	**35 45 28 511**	1023	691
450/315	**35 45 31 511**	1064	701

For non pressure applications.
Fabrication on order, returning not possible.

Tee 45° reduced extrusion welded SDR 17
with reduced branch
for butt-welding and electrofusion

PE100
SDR 17
non pressure, gravity





d_{e1}/d_{e2}	Art. Nr.	L	Z
125/110	**30 12 11 517**	556	343
140/110	**30 14 11 517**	556	354
160/110	**30 16 11 517**	556	368
160/125	**30 16 12 517**	577	376
180/110	**30 18 11 517**	556	382
180/125	**30 18 12 517**	577	390
180/140	**30 18 14 517**	598	397
200/110	**30 20 11 517**	655	446
200/125	**30 20 12 517**	677	454
200/140	**30 20 14 517**	698	461
200/160	**30 20 16 517**	726	471
225/110	**30 22 11 517**	656	464
225/125	**30 22 12 517**	677	472
225/140	**30 22 14 517**	698	479
225/160	**30 22 16 517**	726	489
225/180	**30 22 18 517**	755	499
250/110	**30 25 11 517**	756	532
250/125	**30 25 12 517**	777	539
250/140	**30 25 14 517**	798	547
250/160	**30 25 16 517**	826	557
250/180	**30 25 18 517**	855	567
250/200	**30 25 20 517**	883	577
280/110	**30 28 11 517**	756	553
280/125	**30 28 12 517**	777	560
280/140	**30 28 14 517**	798	568
280/160	**30 28 16 517**	826	578
280/180	**30 28 18 517**	855	588
280/200	**30 28 20 517**	883	598
280/225	**30 28 22 517**	918	610
315/110	**30 31 11 517**	856	628
315/125	**30 31 12 517**	877	635
315/140	**30 31 14 517**	898	643
315/160	**30 31 16 517**	926	653
315/180	**30 31 18 517**	955	663
315/200	**30 31 20 517**	983	673
315/225	**30 31 22 517**	1018	685
315/250	**30 31 25 517**	1054	698
355/110	**30 35 11 517**	856	656
355/125	**30 35 12 517**	877	664
355/140	**30 35 14 517**	898	671
355/160	**30 35 16 517**	926	681
355/180	**30 35 18 517**	955	691
355/200	**30 35 20 517**	983	701
355/225	**30 35 22 517**	1018	714
355/250	**30 35 25 517**	1054	726
355/280	**30 35 28 517**	1096	741
400/110	**30 40 11 517**	856	688
400/125	**30 40 12 517**	877	695
400/140	**30 40 14 517**	898	703
400/160	**30 40 16 517**	926	713
400/180	**30 40 18 517**	955	723
400/200	**30 40 20 517**	983	733
400/225	**30 40 22 517**	1018	745
400/250	**30 40 25 517**	1054	758
400/280	**30 40 28 517**	1096	773
400/315	**30 40 31 517**	1145	790

-- to be continued --

PE100 pressure fittings

Tee 45° reduced extrusion welded SDR 17 - continuation -

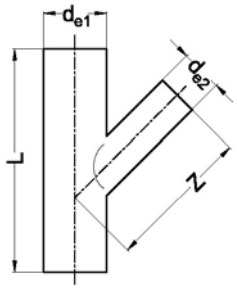
d_{e1}/d_{e2}	Art. Nr.	L	Z
450/110	**30 45 11 517**	856	723
450/125	**30 45 12 517**	877	731
450/140	**30 45 14 517**	898	738
450/160	**30 45 16 517**	926	748
450/180	**30 45 18 517**	955	758
450/200	**30 45 20 517**	983	768
450/225	**30 45 22 517**	1018	781
450/250	**30 45 25 517**	1054	793
450/280	**30 45 28 517**	1096	808
450/315	**30 45 31 517**	1145	826

For non pressure applications.
Fabrication on order, returning not possible.

Tee 45° reduced extrusion welded SDR 11
with reduced branch
for butt-welding and electrofusion

PE100
SDR 11
non pressure, gravity





d_{e1}/d_{e2}	Art. Nr.	L	Z
125/110	**30 12 11 511**	556	343
140/110	**30 14 11 511**	556	354
160/110	**30 16 11 511**	556	368
160/125	**30 16 12 511**	577	376
180/110	**30 18 11 511**	556	382
180/125	**30 18 12 511**	577	390
180/140	**30 18 14 511**	598	397
200/110	**30 20 11 511**	655	446
200/125	**30 20 12 511**	677	454
200/140	**30 20 14 511**	698	461
200/160	**30 20 16 511**	726	471
225/110	**30 22 11 511**	656	464
225/125	**30 22 12 511**	677	472
225/140	**30 22 14 511**	698	479
225/160	**30 22 16 511**	726	489
225/180	**30 22 18 511**	755	499
250/110	**30 25 11 511**	756	532
250/125	**30 25 12 511**	777	539
250/140	**30 25 14 511**	798	547
250/160	**30 25 16 511**	826	557
250/180	**30 25 18 511**	855	567
250/200	**30 25 20 511**	883	577
280/110	**30 28 11 511**	756	553
280/125	**30 28 12 511**	777	560
280/140	**30 28 14 511**	798	568
280/160	**30 28 16 511**	826	578
280/180	**30 28 18 511**	855	588
280/200	**30 28 20 511**	883	598
280/225	**30 28 22 511**	918	610
315/110	**30 31 11 511**	856	628
315/125	**30 31 12 511**	877	635
315/140	**30 31 14 511**	898	643
315/160	**30 31 16 511**	926	653
315/180	**30 31 18 511**	955	663
315/200	**30 31 20 511**	983	673
315/225	**30 31 22 511**	1018	685
315/250	**30 31 25 511**	1054	698
355/110	**30 35 11 511**	856	656
355/125	**30 35 12 511**	877	664
355/140	**30 35 14 511**	898	671
355/160	**30 35 16 511**	926	681
355/180	**30 35 18 511**	955	691
355/200	**30 35 20 511**	983	701
355/225	**30 35 22 511**	1018	714
355/250	**30 35 25 511**	1054	726
355/280	**30 35 28 511**	1096	741
400/110	**30 40 11 511**	856	688
400/125	**30 40 12 511**	877	695
400/140	**30 40 14 511**	898	703
400/160	**30 40 16 511**	926	713
400/180	**30 40 18 511**	955	723
400/200	**30 40 20 511**	983	733
400/225	**30 40 22 511**	1018	745
400/250	**30 40 25 511**	1054	758
400/280	**30 40 28 511**	1096	773
400/315	**30 40 31 511**	1145	790

-- to be continued --

PE100 pressure fittings

Tee 45° reduced extrusion welded SDR 11 - continuation -

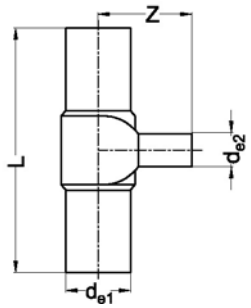
d_{e1}/d_{e2}	Art. Nr.	L	Z
450/110	**30 45 11 511**	856	723
450/125	**30 45 12 511**	877	731
450/140	**30 45 14 511**	898	738
450/160	**30 45 16 511**	926	748
450/180	**30 45 18 511**	955	758
450/200	**30 45 20 511**	983	768
450/225	**30 45 22 511**	1018	781
450/250	**30 45 25 511**	1054	793
450/280	**30 45 28 511**	1096	808
450/315	**30 45 31 511**	1145	826

For non pressure applications.
Fabrication on order, returning not possible.

Tee 90° reduced machined long SDR17 - pressure class conform
with reduced branch
for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
280/63	**41 28 06 517**	770	365
280/75	**41 28 07 517**	780	365
280/90	**41 28 09 517**	795	365
280/110	**41 28 11 517**	815	365
280/125	**41 28 12 517**	830	365
280/140	**41 28 14 517**	845	365
280/160	**41 28 16 517**	865	365
280/180	**41 28 18 517**	885	365
280/200	**41 28 20 517**	905	365
280/225	**41 28 22 517**	930	365
315/75	**41 31 07 517**	780	380
315/90	**41 31 09 517**	795	380
315/110	**41 31 11 517**	815	380
315/125	**41 31 12 517**	830	380
315/140	**41 31 14 517**	845	380
315/160	**41 31 16 517**	865	380
315/180	**41 31 18 517**	885	380
315/200	**41 31 20 517**	905	380
315/225	**41 31 22 517**	930	380
315/250	**41 31 25 517**	955	380
355/90	**41 35 09 517**	805	400
355/110	**41 35 11 517**	825	400
355/125	**41 35 12 517**	840	400
355/140	**41 35 14 517**	855	400
355/160	**41 35 16 517**	875	400
355/180	**41 35 18 517**	895	400
355/200	**41 35 20 517**	915	400
355/225	**41 35 22 517**	940	400
355/250	**41 35 25 517**	965	400
355/280	**41 35 28 517**	1000	400
400/110	**41 40 11 517**	825	425
400/125	**41 40 12 517**	840	425
400/140	**41 40 14 517**	855	425
400/160	**41 40 16 517**	875	425
400/180	**41 40 18 517**	895	425
400/200	**41 40 20 517**	915	425
400/225	**41 40 22 517**	940	425
400/250	**41 40 25 517**	965	425
400/280	**41 40 28 517**	1000	425
400/315	**41 40 31 517**	1035	425
450/125	**41 45 12 517**	840	450
450/140	**41 45 14 517**	855	450
450/160	**41 45 16 517**	875	450
450/180	**41 45 18 517**	895	450
450/200	**41 45 20 517**	915	450
450/225	**41 45 22 517**	940	450
450/250	**41 45 25 517**	965	450
450/280	**41 45 28 517**	1000	450
450/315	**41 45 31 517**	1035	450
450/355	**41 45 35 517**	1075	450
500/140	**41 50 14 517**	855	475
500/160	**41 50 16 517**	875	475
500/180	**41 50 18 517**	895	475
500/200	**41 50 20 517**	915	475
500/225	**41 50 22 517**	940	475
500/250	**41 50 25 517**	965	475

-- to be continued --

PE100 pressure fittings

Tee 90° reduced machined long SDR17 - pressure class conform - continuation -

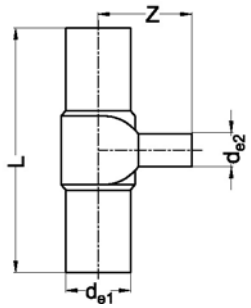
d_{e1}/d_{e2}	Art. Nr.	L	Z
500/280	**41 50 28 517**	1000	475
500/315	**41 50 31 517**	1035	475
500/355	**41 50 35 517**	1075	475
500/400	**41 50 40 517**	1120	475
560/160	**41 56 16 517**	875	500
560/180	**41 56 18 517**	895	500
560/200	**41 56 20 517**	915	500
560/225	**41 56 22 517**	940	500
560/250	**41 56 25 517**	965	500
560/280	**41 56 28 517**	1000	500
560/315	**41 56 31 517**	1035	500
560/355	**41 56 35 517**	1075	500
560/400	**41 56 40 517**	1120	500
560/450	**41 56 45 517**	1170	500
560/560	**41 56 56 517**	1280	500
630/180	**41 63 18 517**	895	540
630/200	**41 63 20 517**	915	540
630/225	**41 63 22 517**	940	540
630/250	**41 63 25 517**	965	540
630/280	**41 63 28 517**	1000	540
630/315	**41 63 31 517**	1035	540
630/355	**41 63 35 517**	1075	540
630/400	**41 63 40 517**	1120	540
630/450	**41 63 45 517**	1170	540
630/500	**41 63 50 517**	1220	540
630/630	**41 63 63 517**	1350	540
710/180	**41 71 18 517**	895	620
710/200	**41 71 20 517**	915	620
710/225	**41 71 22 517**	940	620
710/250	**41 71 25 517**	965	620
710/280	**41 71 28 517**	1000	620
710/315	**41 71 31 517**	1035	620
710/355	**41 71 35 517**	1075	620
710/400	**41 71 40 517**	1120	620
710/450	**41 71 45 517**	1170	620
710/500	**41 71 50 517**	1220	620
710/560	**41 71 56 517**	1280	620
710/710	**41 71 71 517**	1450	650

Pressure class guaranteed, all branches extended with pipe.
Fabrication on order, returning not possible.

Tee 90° reduced machined long SDR11 - pressure class conform
with reduced branch
for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
280/63	**41 28 06 511**	770	365
280/75	**41 28 07 511**	780	365
280/90	**41 28 09 511**	795	365
280/110	**41 28 11 511**	815	365
280/125	**41 28 12 511**	830	365
280/140	**41 28 14 511**	845	365
280/160	**41 28 16 511**	865	365
280/180	**41 28 18 511**	885	365
280/200	**41 28 20 511**	905	365
280/225	**41 28 22 511**	930	365
315/75	**41 31 07 511**	780	380
315/90	**41 31 09 511**	795	380
315/110	**41 31 11 511**	815	380
315/125	**41 31 12 511**	830	380
315/140	**41 31 14 511**	845	380
315/160	**41 31 16 511**	865	380
315/180	**41 31 18 511**	885	380
315/200	**41 31 20 511**	905	380
315/225	**41 31 22 511**	930	380
315/250	**41 31 25 511**	955	380
355/90	**41 35 09 511**	805	400
355/110	**41 35 11 511**	825	400
355/125	**41 35 12 511**	840	400
355/140	**41 35 14 511**	855	400
355/160	**41 35 16 511**	875	400
355/180	**41 35 18 511**	895	400
355/200	**41 35 20 511**	915	400
355/225	**41 35 22 511**	940	400
355/250	**41 35 25 511**	965	400
355/280	**41 35 28 511**	1000	400
400/110	**41 40 11 511**	825	425
400/125	**41 40 12 511**	840	425
400/140	**41 40 14 511**	855	425
400/160	**41 40 16 511**	875	425
400/180	**41 40 18 511**	895	425
400/200	**41 40 20 511**	915	425
400/225	**41 40 22 511**	940	425
400/250	**41 40 25 511**	965	425
400/280	**41 40 28 511**	1000	425
400/315	**41 40 31 511**	1035	425
450/125	**41 45 12 511**	840	450
450/140	**41 45 14 511**	855	450
450/160	**41 45 16 511**	875	450
450/180	**41 45 18 511**	895	450
450/200	**41 45 20 511**	915	450
450/225	**41 45 22 511**	940	450
450/250	**41 45 25 511**	965	450
450/280	**41 45 28 511**	1000	450
450/315	**41 45 31 511**	1035	450
450/355	**41 45 35 511**	1075	450
500/140	**41 50 14 511**	855	475
500/160	**41 50 16 511**	875	475
500/180	**41 50 18 511**	895	475
500/200	**41 50 20 511**	915	475
500/225	**41 50 22 511**	940	475
500/250	**41 50 25 511**	965	475

-- to be continued --

PE100 pressure fittings

Tee 90° reduced machined long SDR11 - pressure class conform - continuation -

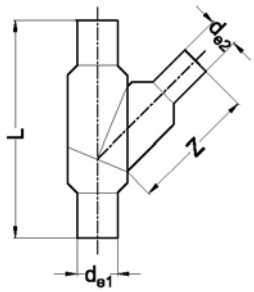
d_{e1}/d_{e2}	Art. Nr.	L	Z
500/280	**41 50 28 511**	1000	475
500/315	**41 50 31 511**	1035	475
500/355	**41 50 35 511**	1075	475
500/400	**41 50 40 511**	1120	475
560/160	**41 56 16 511**	875	500
560/180	**41 56 18 511**	895	500
560/200	**41 56 20 511**	915	500
560/225	**41 56 22 511**	940	500
560/250	**41 56 25 511**	965	500
560/280	**41 56 28 511**	1000	500
560/315	**41 56 31 511**	1035	500
560/355	**41 56 35 511**	1075	500
560/400	**41 56 40 511**	1120	500
560/450	**41 56 45 511**	1170	500
560/560	**41 56 56 511**	1280	500
630/180	**41 63 18 511**	895	540
630/200	**41 63 20 511**	915	540
630/225	**41 63 22 511**	940	540
630/250	**41 63 25 511**	965	540
630/280	**41 63 28 511**	1000	540
630/315	**41 63 31 511**	1035	540
630/355	**41 63 35 511**	1075	540
630/400	**41 63 40 511**	1120	540
630/450	**41 63 45 511**	1170	540
630/500	**41 63 50 511**	1220	540
630/630	**41 63 63 511**	1350	540
710/180	**41 71 18 511**	895	620
710/200	**41 71 20 511**	915	620
710/225	**41 71 22 511**	940	620
710/250	**41 71 25 511**	965	620
710/280	**41 71 28 511**	1000	620
710/315	**41 71 31 511**	1035	620
710/355	**41 71 35 511**	1075	620
710/400	**41 71 40 511**	1120	620
710/450	**41 71 45 511**	1170	620
710/500	**41 71 50 511**	1220	620
710/560	**41 71 56 511**	1280	620
710/710	**41 71 71 511**	1450	650

Pressure class guaranteed, all branches extended with pipe.
Fabrication on order, returning not possible.

Tee 45° reduced machined long SDR17 - pressure class conform
with reduced branch
for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
125/63	**42 12 06 517**	580	350
125/75	**42 12 07 517**	580	350
125/90	**42 12 09 517**	580	350
125/110	**42 12 11 517**	580	350
125/125	**42 12 12 517**	580	350
140/75	**42 14 07 517**	600	370
140/90	**42 14 09 517**	600	370
140/110	**42 14 11 517**	600	370
140/125	**42 14 12 517**	600	370
140/140	**42 14 14 517**	600	370
160/90	**42 16 09 517**	540	420
160/110	**42 16 11 517**	540	420
160/125	**42 16 12 517**	540	420
160/140	**42 16 14 517**	540	420
180/110	**42 18 11 517**	660	420
180/125	**42 18 12 517**	660	420
180/140	**42 18 14 517**	660	420
180/160	**42 18 16 517**	660	420
180/180	**42 18 18 517**	660	420
200/110	**42 20 11 517**	790	490
200/125	**42 20 12 517**	790	490
200/140	**42 20 14 517**	790	490
200/160	**42 20 16 517**	790	490
200/180	**42 20 18 517**	790	490
200/200	**42 20 20 517**	790	490
225/110	**42 22 11 517**	702	540
225/125	**42 22 12 517**	702	540
225/140	**42 22 14 517**	702	540
225/160	**42 22 16 517**	702	540
225/180	**42 22 18 517**	702	540
225/200	**42 22 20 517**	702	540
250/110	**42 25 11 517**	960	580
250/125	**42 25 12 517**	960	580
250/140	**42 25 14 517**	960	580
250/160	**42 25 16 517**	960	580
250/180	**42 25 18 517**	960	580
250/200	**42 25 20 517**	960	580
250/225	**42 25 22 517**	960	580
250/250	**42 25 25 517**	960	580
280/160	**42 28 16 517**	1000	640
280/180	**42 28 18 517**	1000	640
280/200	**42 28 20 517**	1000	640
280/225	**42 28 22 517**	1000	640
280/250	**42 28 25 517**	1000	640
280/280	**42 28 28 517**	1000	640
315/160	**42 31 16 517**	1150	730
315/180	**42 31 18 517**	1150	730
315/200	**42 31 20 517**	1150	730
315/225	**42 31 22 517**	1150	730
315/250	**42 31 25 517**	1150	730
315/280	**42 31 28 517**	1150	730
315/315	**42 31 31 517**	1150	730
355/200	**42 35 20 517**	1210	780
355/225	**42 35 22 517**	1210	780
355/250	**42 35 25 517**	1210	780
355/280	**42 35 28 517**	1210	780

-- to be continued --

PE100 pressure fittings

Tee 45° reduced machined long SDR17 - pressure class conform - continuation -

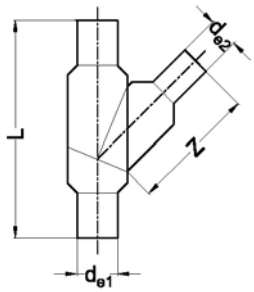
d_{e1}/d_{e2}	Art. Nr.	L	Z
355/315	**42 35 31 517**	1210	780
355/355	**42 35 35 517**	1210	780
400/200	**42 40 20 517**	1270	840
400/225	**42 40 22 517**	1270	840
400/250	**42 40 25 517**	1270	840
400/280	**42 40 28 517**	1270	840
400/315	**42 40 31 517**	1270	840
400/355	**42 40 35 517**	1270	840
400/400	**42 40 40 517**	1270	840
450/250	**42 45 25 517**	1340	900
450/280	**42 45 28 517**	1340	900
450/315	**42 45 31 517**	1340	900
450/355	**42 45 35 517**	1340	900
450/400	**42 45 40 517**	1340	900
450/450	**42 45 45 517**	1340	900
500/500	**42 50 50 517**	1410	960
560/560	**42 56 56 517**	1500	1030
630/630	**42 63 63 517**	1600	1110

60° on request.
Pressure class guaranteed, all branches extended with pipe.
Fabrication on order, returning not possible.

Tee 45° reduced machined long SDR11 - pressure class conform
with reduced branch
for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_{e1}/d_{e2}	Art. Nr.	L	Z
125/63	**42 12 06 511**	580	350
125/75	**42 12 07 511**	580	350
125/90	**42 12 09 511**	580	350
125/110	**42 12 11 511**	580	350
125/125	**42 12 12 511**	580	350
140/75	**42 14 07 511**	600	370
140/90	**42 14 09 511**	600	370
140/110	**42 14 11 511**	600	370
140/125	**42 14 12 511**	600	370
140/140	**42 14 14 511**	600	370
160/90	**42 16 09 511**	540	420
160/110	**42 16 11 511**	540	420
160/125	**42 16 12 511**	540	420
160/140	**42 16 14 511**	540	420
180/110	**42 18 11 511**	660	420
180/125	**42 18 12 511**	660	420
180/140	**42 18 14 511**	660	420
180/160	**42 18 16 511**	660	420
180/180	**42 18 18 511**	660	420
200/110	**42 20 11 511**	790	490
200/125	**42 20 12 511**	790	490
200/140	**42 20 14 511**	790	490
200/160	**42 20 16 511**	790	490
200/180	**42 20 18 511**	790	490
200/200	**42 20 20 511**	790	490
225/110	**42 22 11 511**	702	540
225/125	**42 22 12 511**	702	540
225/140	**42 22 14 511**	702	540
225/160	**42 22 16 511**	702	540
225/180	**42 22 18 511**	702	540
225/200	**42 22 20 511**	702	540
250/110	**42 25 11 511**	960	580
250/125	**42 25 12 511**	960	580
250/140	**42 25 14 511**	960	580
250/160	**42 25 16 511**	960	580
250/180	**42 25 18 511**	960	580
250/200	**42 25 20 511**	960	580
250/225	**42 25 22 511**	960	580
250/250	**42 25 25 511**	960	580
280/160	**42 28 16 511**	1000	640
280/180	**42 28 18 511**	1000	640
280/200	**42 28 20 511**	1000	640
280/225	**42 28 22 511**	1000	640
280/250	**42 28 25 511**	1000	640
280/280	**42 28 28 511**	1000	640
315/160	**42 31 16 511**	1150	730
315/180	**42 31 18 511**	1150	730
315/200	**42 31 20 511**	1150	730
315/225	**42 31 22 511**	1150	730
315/250	**42 31 25 511**	1150	730
315/280	**42 31 28 511**	1150	730
315/315	**42 31 31 511**	1150	730
355/200	**42 35 20 511**	1210	780
355/225	**42 35 22 511**	1210	780
355/250	**42 35 25 511**	1210	780
355/280	**42 35 28 511**	1210	780

-- to be continued --

PE100 pressure fittings

Tee 45° reduced machined long SDR11 - pressure class conform - continuation -

d_{e1}/d_{e2}	Art. Nr.	L	Z
355/315	**42 35 31 511**	1210	780
355/355	**42 35 35 511**	1210	780
400/200	**42 40 20 511**	1270	840
400/225	**42 40 22 511**	1270	840
400/250	**42 40 25 511**	1270	840
400/280	**42 40 28 511**	1270	840
400/315	**42 40 31 511**	1270	840
400/355	**42 40 35 511**	1270	840
400/400	**42 40 40 511**	1270	840
450/250	**42 45 25 511**	1340	900
450/280	**42 45 28 511**	1340	900
450/315	**42 45 31 511**	1340	900
450/355	**42 45 35 511**	1340	900
450/400	**42 45 40 511**	1340	900
450/450	**42 45 45 511**	1340	900
500/500	**42 50 50 511**	1410	960
560/560	**42 56 56 511**	1500	1030
630/630	**42 63 63 511**	1600	1110

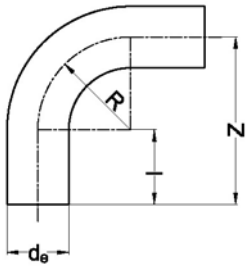
60° on request.
Pressure class guaranteed, all branches extended with pipe.
Fabrication on order, returning not possible.

Bend 90° seamless formed R = 1,5 x d_e SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 93 517**		250	120	75
63	**19 06 93 517**		270	120	95
75	**19 07 93 517**		300	130	113
90	**19 09 93 517**		300	115	135
110	**19 11 93 517**		380	150	165
125	**19 12 93 517**		420	160	188
140	**19 14 93 517**		450	165	210
160	**19 16 93 517**		520	195	240
180	**19 18 93 517**		580	215	270
200	**19 20 93 517**		620	225	300
225	**19 22 93 517**		700	255	338
250	**19 25 93 517**		720	240	375
280	**19 28 93 517**		760	235	420
315	**19 31 93 517**		950	335	473
355	**19 35 93 517**	*	1100	400	533
400	**19 40 93 517**	*	1200	420	600
450	**19 45 93 517**	**	1350	315	900
500	**19 50 93 517**	**	1550	385	1000
560	**19 56 93 517**	**	1900	545	1120
630	**19 63 93 517**	**	2100	585	1260
710	**19 71 93 517**	**	2200	570	1440
800	**19 80 93 517**	**	2200	480	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

Variances of +/- 3° are possible.

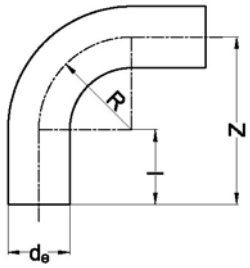
PE100 pressure fittings

Bend 90° seamless formed R = 1,5 x d_e SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 93 511**		250	120	75
63	**19 06 93 511**		270	120	95
75	**19 07 93 511**		300	130	113
90	**19 09 93 511**		300	115	135
110	**19 11 93 511**		380	150	165
125	**19 12 93 511**		420	160	188
140	**19 14 93 511**		450	165	210
160	**19 16 93 511**		520	195	240
180	**19 18 93 511**		580	215	270
200	**19 20 93 511**		620	225	300
225	**19 22 93 511**		700	255	338
250	**19 25 93 511**		720	240	375
280	**19 28 93 511**		760	235	420
315	**19 31 93 511**		950	335	473
355	**19 35 93 511**	*	1100	400	533
400	**19 40 93 511**	*	1200	420	600
450	**19 45 93 511**	**	1350	315	900
500	**19 50 93 511**	**	1550	385	1000
560	**19 56 93 511**	**	1900	545	1120
630	**19 63 93 511**	**	2100	585	1260
710	**19 71 93 511**	**	2200	570	1440

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

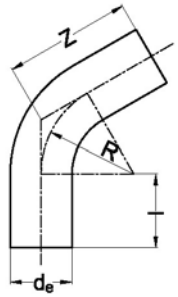
Variances of +/- 3° are possible.

Bend 60° seamless formed R = 1,5 x d_e SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 63 517**		200	110	75
63	**19 06 63 517**		220	115	95
75	**19 07 63 517**		240	120	113
90	**19 09 63 517**		260	125	135
110	**19 11 63 517**		280	150	165
125	**19 12 63 517**		300	150	188
140	**19 14 63 517**		400	195	210
160	**19 16 63 517**		430	205	240
180	**19 18 63 517**		450	205	270
200	**19 20 63 517**		500	230	300
225	**19 22 63 517**		550	250	338
250	**19 25 63 517**		600	265	375
280	**19 28 63 517**		630	270	420
315	**19 31 63 517**		830	390	473
355	**19 35 63 517**	*	900	415	533
400	**19 40 63 517**	*	1000	455	600
450	**19 45 63 517**	**	1115	415	900
500	**19 50 63 517**	**	1300	505	1000
560	**19 56 63 517**	**	1450	560	1120
630	**19 63 63 517**	**	1600	610	1260
710	**19 71 63 517**	**	1700	570	1440
800	**19 80 63 517**	**	1700	480	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

Variances of +/- 3° are possible.

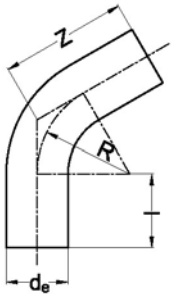
PE100 pressure fittings

Bend 60° seamless formed R = 1,5 x d_e SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 63 511**		200	110	75
63	**19 06 63 511**		220	115	95
75	**19 07 63 511**		240	120	113
90	**19 09 63 511**		260	125	135
110	**19 11 63 511**		280	150	165
125	**19 12 63 511**		300	150	188
140	**19 14 63 511**		400	195	210
160	**19 16 63 511**		430	205	240
180	**19 18 63 511**		450	205	270
200	**19 20 63 511**		500	230	300
225	**19 22 63 511**		550	250	338
250	**19 25 63 511**		600	265	375
280	**19 28 63 511**		630	270	420
315	**19 31 63 511**		830	390	473
355	**19 35 63 511**	*	900	415	533
400	**19 40 63 511**	*	1000	455	600
450	**19 45 63 511**	**	1115	415	900
500	**19 50 63 511**	**	1300	505	1000
560	**19 56 63 511**	**	1450	560	1120
630	**19 63 63 511**	**	1600	610	1260
710	**19 71 63 511**	**	1700	570	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

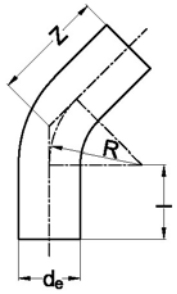
Variances of +/- 3° are possible.

Bend 45° seamless formed R = 1,5 x d_e SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 48 517**		170	100	75
63	**19 06 48 517**		180	100	95
75	**19 07 48 517**		200	100	113
90	**19 09 48 517**		220	100	135
110	**19 11 48 517**		240	150	165
125	**19 12 48 517**		270	150	188
140	**19 14 48 517**		300	150	210
160	**19 16 48 517**		330	180	240
180	**19 18 48 517**		380	185	270
200	**19 20 48 517**		430	215	300
225	**19 22 48 517**		500	250	338
250	**19 25 48 517**		530	260	375
280	**19 28 48 517**		550	260	420
315	**19 31 48 517**		650	315	473
355	**19 35 48 517**	*	650	300	533
400	**19 40 48 517**	*	730	335	600
450	**19 45 48 517**	**	830	320	900
500	**19 50 48 517**	**	1100	480	1000
560	**19 56 48 517**	**	1115	455	1120
630	**19 63 48 517**	**	1350	580	1260
710	**19 71 48 517**	**	1400	570	1440
800	**19 80 48 517**	**	1500	480	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

Variances of +/- 3° are possible.

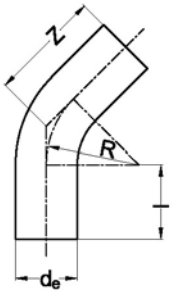
PE100 pressure fittings

Bend 45° seamless formed R = 1,5 x d_e SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 48 511**		170	100	75
63	**19 06 48 511**		180	100	95
75	**19 07 48 511**		200	100	113
90	**19 09 48 511**		220	100	135
110	**19 11 48 511**		240	150	165
125	**19 12 48 511**		270	150	188
140	**19 14 48 511**		300	150	210
160	**19 16 48 511**		330	180	240
180	**19 18 48 511**		380	185	270
200	**19 20 48 511**		430	215	300
225	**19 22 48 511**		500	250	338
250	**19 25 48 511**		530	260	375
280	**19 28 48 511**		550	260	420
315	**19 31 48 511**		650	315	473
355	**19 35 48 511**	*	650	300	533
400	**19 40 48 511**	*	730	335	600
450	**19 45 48 511**	**	830	320	900
500	**19 50 48 511**	**	1100	480	1000
560	**19 56 48 511**	**	1115	455	1120
630	**19 63 48 511**	**	1350	580	1260
710	**19 71 48 511**	**	1400	570	1440

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

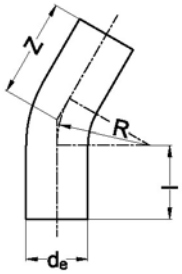
Variances of +/- 3° are possible.

Bend 30° seamless formed R = 1,5 x d_e SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 33 517**		170	105	75
63	**19 06 33 517**		180	105	95
75	**19 07 33 517**		200	120	113
90	**19 09 33 517**		220	130	135
110	**19 11 33 517**		230	130	165
125	**19 12 33 517**		260	150	188
140	**19 14 33 517**		300	170	210
160	**19 16 33 517**		300	180	240
180	**19 18 33 517**		330	180	270
200	**19 20 33 517**		420	235	300
225	**19 22 33 517**		450	250	338
250	**19 25 33 517**		530	300	375
280	**19 28 33 517**		530	290	420
315	**19 31 33 517**		650	365	473
355	**19 35 33 517**	*	650	355	533
400	**19 40 33 517**	*	690	370	600
450	**19 45 33 517**	**	730	340	900
500	**19 50 33 517**	**	1100	580	1000
560	**19 56 33 517**	**	1100	560	1120
630	**19 63 33 517**	**	1250	640	1260
710	**19 71 33 517**	**	1350	570	1440
800	**19 80 33 517**	**	1450	480	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

Variances of +/- 3° are possible.

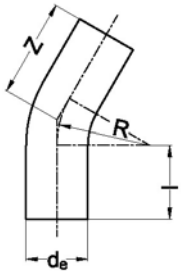
PE100 pressure fittings

Bend 30° seamless formed R = 1,5 x d_e SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 33 511**		170	105	75
63	**19 06 33 511**		180	105	95
75	**19 07 33 511**		200	120	113
90	**19 09 33 511**		220	130	135
110	**19 11 33 511**		230	130	165
125	**19 12 33 511**		260	150	188
140	**19 14 33 511**		300	170	210
160	**19 16 33 511**		300	180	240
180	**19 18 33 511**		330	180	270
200	**19 20 33 511**		420	235	300
225	**19 22 33 511**		450	250	338
250	**19 25 33 511**		530	300	375
280	**19 28 33 511**		530	290	420
315	**19 31 33 511**		650	365	473
355	**19 35 33 511**	*	650	355	533
400	**19 40 33 511**	*	690	370	600
450	**19 45 33 511**	**	730	340	900
500	**19 50 33 511**	**	1100	580	1000
560	**19 56 33 511**	**	1100	560	1120
630	**19 63 33 511**	**	1250	640	1260
710	**19 71 33 511**	**	1350	570	1440

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

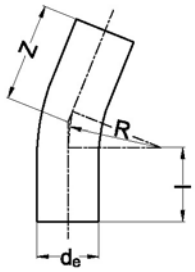
Variances of +/- 3° are possible.

Bend 22° seamless formed R = 1,5 x d_e SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 25 517**		170	110	75
63	**19 06 25 517**		180	110	95
75	**19 07 25 517**		200	125	113
90	**19 09 25 517**		220	135	135
110	**19 11 25 517**		230	150	165
125	**19 12 25 517**		260	155	188
140	**19 14 25 517**		300	180	210
160	**19 16 25 517**		300	180	240
180	**19 18 25 517**		330	195	270
200	**19 20 25 517**		420	250	300
225	**19 22 25 517**		450	270	338
250	**19 25 25 517**		530	320	375
280	**19 28 25 517**		530	315	420
315	**19 31 25 517**		630	375	473
355	**19 35 25 517**	*	650	380	533
400	**19 40 25 517**	*	660	380	600
450	**19 45 25 517**	**	660	340	900
500	**19 50 25 517**	**	1000	565	1000
560	**19 56 25 517**	**	1000	550	1120
630	**19 63 25 517**	**	1100	600	1260
710	**19 71 25 517**	**	1300	570	1440
800	**19 80 25 517**	**	1400	480	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

Variances of +/- 3° are possible.

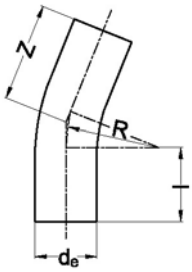
PE100 pressure fittings

Bend 22° seamless formed R = 1,5 x d_e SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 25 511**		170	110	75
63	**19 06 25 511**		180	110	95
75	**19 07 25 511**		200	125	113
90	**19 09 25 511**		220	135	135
110	**19 11 25 511**		230	150	165
125	**19 12 25 511**		260	155	188
140	**19 14 25 511**		300	180	210
160	**19 16 25 511**		300	180	240
180	**19 18 25 511**		330	195	270
200	**19 20 25 511**		420	250	300
225	**19 22 25 511**		450	270	338
250	**19 25 25 511**		530	320	375
280	**19 28 25 511**		530	315	420
315	**19 31 25 511**		630	375	473
355	**19 35 25 511**	*	650	380	533
400	**19 40 25 511**	*	660	380	600
450	**19 45 25 511**	**	660	340	900
500	**19 50 25 511**	**	1000	565	1000
560	**19 56 25 511**	**	1000	550	1120
630	**19 63 25 511**	**	1100	600	1260
710	**19 71 25 511**	**	1300	570	1440

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

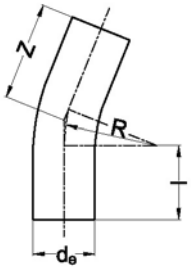
Variances of +/- 3° are possible.

Bend 11° seamless formed R = 1,5 x d_e SDR 17

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 14 517**		170	115	75
63	**19 06 14 517**		180	120	95
75	**19 07 14 517**		200	130	113
90	**19 09 14 517**		220	145	135
110	**19 11 14 517**		230	150	165
125	**19 12 14 517**		260	170	188
140	**19 14 14 517**		300	195	210
160	**19 16 14 517**		300	195	240
180	**19 18 14 517**		330	210	270
200	**19 20 14 517**		420	275	300
225	**19 22 14 517**		450	290	338
250	**19 25 14 517**		530	345	375
280	**19 28 14 517**		530	345	420
315	**19 31 14 517**		630	410	473
355	**19 35 14 517**	*	650	420	533
400	**19 40 14 517**	*	660	420	600
450	**19 45 14 517**	**	660	400	900
500	**19 50 14 517**	**	1000	630	1000
560	**19 56 14 517**	**	1000	625	1120
630	**19 63 14 517**	**	1100	685	1260
710	**19 71 14 517**	**	1250	570	1440
800	**19 80 14 517**	**	1350	480	1600

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

Variances of +/- 3° are possible.

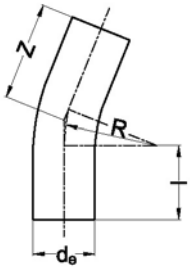
PE100 pressure fittings

Bend 11° seamless formed R = 1,5 x d_e SDR 11

for butt-welding and electrofusion

PE100
SDR 11
water 16 bar/gas 10 bar





d_e	Art. Nr.		Z	l	R
50	**19 05 14 511**		170	115	75
63	**19 06 14 511**		180	120	95
75	**19 07 14 511**		200	130	113
90	**19 09 14 511**		220	145	135
110	**19 11 14 511**		230	150	165
125	**19 12 14 511**		260	170	188
140	**19 14 14 511**		300	195	210
160	**19 16 14 511**		300	195	240
180	**19 18 14 511**		330	210	270
200	**19 20 14 511**		420	275	300
225	**19 22 14 511**		450	290	338
250	**19 25 14 511**		530	345	375
280	**19 28 14 511**		530	345	420
315	**19 31 14 511**		630	410	473
355	**19 35 14 511**	*	650	420	533
400	**19 40 14 511**	*	660	420	600
450	**19 45 14 511**	**	660	400	900
500	**19 50 14 511**	**	1000	630	1000
560	**19 56 14 511**	**	1000	625	1120
630	**19 63 14 511**	**	1100	685	1260
710	**19 71 14 511**	**	1250	570	1440

* *fabrication on order, returning not possible*

** *R = 2,0 x d_e*
fabrication on order, returning not possible

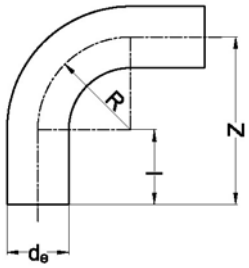
Variances of +/- 3° are possible.

Bend 90° seamless formed R = 2,5 x d_e SDR 17

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	l	R
50	**19 05 94 517**	375	250	125
63	**19 06 94 517**	405	250	158
75	**19 07 94 517**	435	250	188
90	**19 09 94 517**	475	250	225
110	**19 11 94 517**	525	250	275
125	**19 12 94 517**	560	250	313
140	**19 14 94 517**	600	250	350
160	**19 16 94 517**	680	280	400
180	**19 18 94 517**	730	280	450
200	**19 20 94 517**	800	300	500
225	**19 22 94 517**	890	330	563
250	**19 25 94 517**	985	360	625
280	**19 28 94 517**	1060	360	625
315	**19 31 94 517**	1245	460	788
355	**19 35 94 517**	1345	460	888
400	**19 40 94 517**	1480	480	1000
450	**19 45 94 517**	1665	540	1125

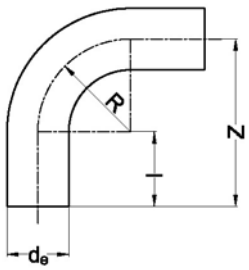
Variances of +/- 3° are possible.
Fabrication on order, returning not possible.

Bend 90° seamless formed R = 2,5 x d_e SDR 11

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	l	R
50	**19 05 94 511**	375	250	125
63	**19 06 94 511**	405	250	158
75	**19 07 94 511**	435	250	188
90	**19 09 94 511**	475	250	225
110	**19 11 94 511**	525	250	275
125	**19 12 94 511**	560	250	313
140	**19 14 94 511**	600	250	350
160	**19 16 94 511**	680	280	400
180	**19 18 94 511**	730	280	450
200	**19 20 94 511**	800	300	500
225	**19 22 94 511**	890	330	563
250	**19 25 94 511**	985	360	625
280	**19 28 94 511**	1060	360	625
315	**19 31 94 511**	1245	460	788
355	**19 35 94 511**	1345	460	888
400	**19 40 94 511**	1480	480	1000
450	**19 45 94 511**	1665	540	1125

Variances of +/- 3° are possible.
Fabrication on order, returning not possible.

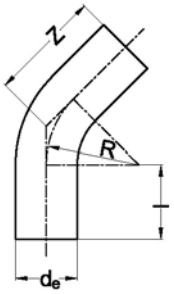
PE100 pressure fittings

Bend seamless formed R = 2,5 x d_e SDR 17 60°/45°/30°/22°/11°

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	l	R
50	**19 05 xx 517**	-	-	125
63	**19 06 xx 517**	-	-	158
75	**19 07 xx 517**	-	-	188
90	**19 09 xx 517**	-	-	225
110	**19 11 xx 517**	-	-	275
125	**19 12 xx 517**	-	-	313
140	**19 14 xx 517**	-	-	350
160	**19 16 xx 517**	-	-	400
180	**19 18 xx 517**	-	-	450
200	**19 20 xx 517**	-	-	500
225	**19 22 xx 517**	-	-	563
250	**19 25 xx 517**	-	-	625
280	**19 28 xx 517**	-	-	700
315	**19 31 xx 517**	-	-	788
355	**19 35 xx 517**	-	-	888
400	**19 40 xx 517**	-	-	1000
450	**19 45 xx 517**	-	-	1125

Composition Art. Nr.:
xx = 64 for 60°
xx = 49 for 45°
xx = 34 for 30°
xx = 26 for 22°
xx = 15 for 11°

Dimensions apply for bend 45°, 30°, 22° and 11°.

Variances of +/- 3° are possible.
Fabrication on order, returning not possible.

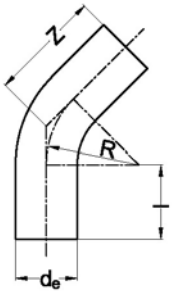
Bend seamless formed R = 2,5 x d_e SDR 11 60°/45°/30°/22°/11°

PE100
SDR 11

for butt-welding and electrofusion

water 16 bar/gas 10 bar





d_e	Art. Nr.	Z	l	R
50	**19 05 xx 511**	-	-	125
63	**19 06 xx 511**	-	-	158
75	**19 07 xx 511**	-	-	188
90	**19 09 xx 511**	-	-	225
110	**19 11 xx 511**	-	-	275
125	**19 12 xx 511**	-	-	313
140	**19 14 xx 511**	-	-	350
160	**19 16 xx 511**	-	-	400
180	**19 18 xx 511**	-	-	450
200	**19 20 xx 511**	-	-	500
225	**19 22 xx 511**	-	-	563
250	**19 25 xx 511**	-	-	625
280	**19 28 xx 511**	-	-	700
315	**19 31 xx 511**	-	-	788
355	**19 35 xx 511**	-	-	888
400	**19 40 xx 511**	-	-	1000
450	**19 45 xx 511**	-	-	1125

Composition Art. Nr.:
xx = 64 for 60°
xx = 49 for 45°
xx = 34 for 30°
xx = 26 for 22°
xx = 15 for 11°

Dimensions apply for bend 45°, 30°, 22° and 11°.

Variances of +/- 3° are possible.
Fabrication on order, returning not possible.

PE100 pressure fittings

Bend seamless formed R = 3,5 x d_e SDR 17 90°

for butt-welding and electrofusion

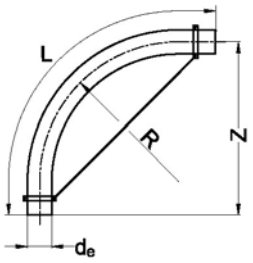
PE100
SDR 11
water 16 bar



d_e	Art. Nr.	Z	L*	R
63	**19 06 98 511**	450	705	220
110	**19 11 98 511**	630	1005	385
160	**19 16 98 511**	800	1380	560

L is derived measure*

Will be delivered with a steel fixation.
Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

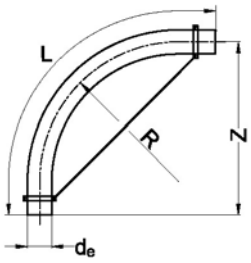


Bend seamless formed Ri = 700 mm SDR 17 90°/60°

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 517**	1715	3000	725
63	**19 06 xx 517**	1715	3000	731
75	**19 07 xx 517**	1715	3000	737
90	**19 09 xx 517**	1715	3000	745
110	**19 11 xx 517**	1715	3000	755
125	**19 12 xx 517**	1715	3000	762
140	**19 14 xx 517**	1715	3000	770
160	**19 16 xx 517**	1715	3000	780
180	**19 18 xx 517**	1715	3000	790
200	**19 20 xx 517**	1715	3000	800
225	**19 22 xx 517**	1715	3000	812
250	**19 25 xx 517**	1715	3000	825
280	**19 28 xx 517**	1715	3000	840

Composition Art. Nr.:
xx = 95 for 90°
xx = 65 for 60°

Dimensions apply for bend 90°.

Bends 90°/60° with R > 2,5 x d_e are provided with a steel fixation.

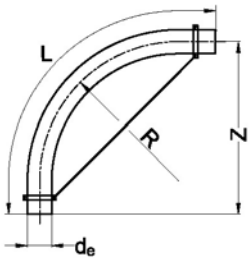
Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

Bend seamless formed Ri = 700 mm SDR 11 90°/60°

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 511**	1715	3000	725
63	**19 06 xx 511**	1715	3000	731
75	**19 07 xx 511**	1715	3000	737
90	**19 09 xx 511**	1715	3000	745
110	**19 11 xx 511**	1715	3000	755
125	**19 12 xx 511**	1715	3000	762
140	**19 14 xx 511**	1715	3000	770
160	**19 16 xx 511**	1715	3000	780
180	**19 18 xx 511**	1715	3000	790
200	**19 20 xx 511**	1715	3000	800
225	**19 22 xx 511**	1715	3000	812
250	**19 25 xx 511**	1715	3000	825
280	**19 28 xx 511**	1715	3000	840

Composition Art. Nr.:
xx = 95 for 90°
xx = 65 for 60°

Dimensions apply for bend 90°.

Bends 90°/60° with R > 2,5 x d_e are provided with a steel fixation.

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

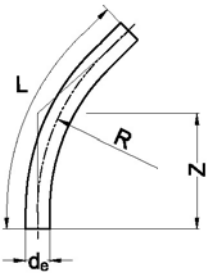
PE100 pressure fittings

Bend seamless formed Ri = 700 mm SDR 17 45°/30°/22°/11°

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 517**	1500	3000	725
63	**19 06 xx 517**	1500	3000	731
75	**19 07 xx 517**	1500	3000	737
90	**19 09 xx 517**	1500	3000	745
110	**19 11 xx 517**	1500	3000	755
125	**19 12 xx 517**	1500	3000	762
140	**19 14 xx 517**	1500	3000	770
160	**19 16 xx 517**	1500	3000	780
180	**19 18 xx 517**	1500	3000	790
200	**19 20 xx 517**	1500	3000	800
225	**19 22 xx 517**	1500	3000	812
250	**19 25 xx 517**	1500	3000	825
280	**19 28 xx 517**	1500	3000	840

Composition Art. Nr.:
xx = 50 for 45°
xx = 35 for 30°
xx = 27 for 22°
xx = 16 for 11°

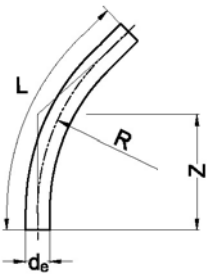
Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

Bend seamless formed Ri = 700 mm SDR 11 45°/30°/22°/11°

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 511**	1500	3000	725
63	**19 06 xx 511**	1500	3000	731
75	**19 07 xx 511**	1500	3000	737
90	**19 09 xx 511**	1500	3000	745
110	**19 11 xx 511**	1500	3000	755
125	**19 12 xx 511**	1500	3000	762
140	**19 14 xx 511**	1500	3000	770
160	**19 16 xx 511**	1500	3000	780
180	**19 18 xx 511**	1500	3000	790
200	**19 20 xx 511**	1500	3000	800
225	**19 22 xx 511**	1500	3000	812
250	**19 25 xx 511**	1500	3000	825
280	**19 28 xx 511**	1500	3000	840

Composition Art. Nr.:
xx = 50 for 45°
xx = 35 for 30°
xx = 27 for 22°
xx = 16 for 11°

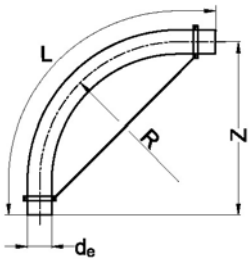
Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

Bend seamless formed Ri = 1100 mm SDR 17 90°/60°

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 517**	1972	3300	1125
63	**19 06 xx 517**	1972	3300	1131
75	**19 07 xx 517**	1972	3300	1137
90	**19 09 xx 517**	1972	3300	1145
110	**19 11 xx 517**	1972	3300	1155
125	**19 12 xx 517**	1972	3300	1162
140	**19 14 xx 517**	1972	3300	1170
160	**19 16 xx 517**	1972	3300	1180
180	**19 18 xx 517**	1972	3300	1190
200	**19 20 xx 517**	1972	3300	1200
225	**19 22 xx 517**	1972	3300	1212
250	**19 25 xx 517**	1972	3300	1225
280	**19 28 xx 517**	1972	3300	1240
315	**19 31 xx 517**	1972	3300	1257
355	**19 35 xx 517**	1972	3300	1277
400	**19 40 xx 517**	1972	3300	1300

Composition Art. Nr.:
xx = 96 for 90°
xx = 66 for 60°

Dimensions apply for bend 90°.

Bends 90°/60° with R > 2,5 x d_e are provided with a steel fixation.

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

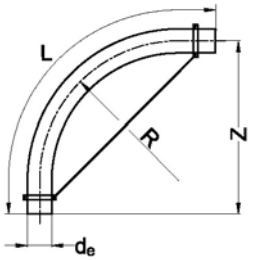
PE100 pressure fittings

Bend seamless formed Ri = 1100 mm SDR 11 90°/60°

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 511**	1972	3300	1125
63	**19 06 xx 511**	1972	3300	1131
75	**19 07 xx 511**	1972	3300	1137
90	**19 09 xx 511**	1972	3300	1145
110	**19 11 xx 511**	1972	3300	1155
125	**19 12 xx 511**	1972	3300	1162
140	**19 14 xx 511**	1972	3300	1170
160	**19 16 xx 511**	1972	3300	1180
180	**19 18 xx 511**	1972	3300	1190
200	**19 20 xx 511**	1972	3300	1200
225	**19 22 xx 511**	1972	3300	1212
250	**19 25 xx 511**	1972	3300	1225
280	**19 28 xx 511**	1972	3300	1240
315	**19 31 xx 511**	1972	3300	1257
355	**19 35 xx 511**	1972	3300	1277
400	**19 40 xx 511**	1972	3300	1300

Composition Art. Nr.:
xx = 96 for 90°
xx = 66 for 60°

Dimensions apply for bend 90°.

Bends 90°/60° with R > 2,5 x d_e are provided with a steel fixation.

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

Bend seamless formed Ri = 1100 mm SDR 17 45°/30°/22°/11°

PE100
SDR 17
water 10 bar/gas 5 bar

for butt-welding and electrofusion



d_e	Art. Nr.	Z	L	R
50	**19 05 xx 517**	1650	3300	1125
63	**19 06 xx 517**	1650	3300	1131
75	**19 07 xx 517**	1650	3300	1137
90	**19 09 xx 517**	1650	3300	1145
110	**19 11 xx 517**	1650	3300	1155
125	**19 12 xx 517**	1650	3300	1162
140	**19 14 xx 517**	1650	3300	1170
160	**19 16 xx 517**	1650	3300	1180
180	**19 18 xx 517**	1650	3300	1190
200	**19 20 xx 517**	1650	3300	1200
225	**19 22 xx 517**	1650	3300	1212
250	**19 25 xx 517**	1650	3300	1225
280	**19 28 xx 517**	1650	3300	1240
315	**19 31 xx 517**	1650	3300	1257
355	**19 35 xx 517**	1650	3300	1277
400	**19 40 xx 517**	1650	3300	1300

Composition Art. Nr.:
xx = 51 for 45°
xx = 36 for 30°
xx = 28 for 22°
xx = 17 for 11°

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

Bend seamless formed Ri = 1100 mm SDR 11 45°/30°/22°/11°

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion



d_e	Art. Nr.	Z	L	R
50	**19 05 xx 511**	1650	3300	1125
63	**19 06 xx 511**	1650	3300	1131
75	**19 07 xx 511**	1650	3300	1137
90	**19 09 xx 511**	1650	3300	1145
110	**19 11 xx 511**	1650	3300	1155
125	**19 12 xx 511**	1650	3300	1162
140	**19 14 xx 511**	1650	3300	1170
160	**19 16 xx 511**	1650	3300	1180
180	**19 18 xx 511**	1650	3300	1190
200	**19 20 xx 511**	1650	3300	1200
225	**19 22 xx 511**	1650	3300	1212
250	**19 25 xx 511**	1650	3300	1225
280	**19 28 xx 511**	1650	3300	1240
315	**19 31 xx 511**	1650	3300	1257
355	**19 35 xx 511**	1650	3300	1277
400	**19 40 xx 511**	1650	3300	1300

Composition Art. Nr.:
xx = 51 for 45°
xx = 36 for 30°
xx = 28 for 22°
xx = 17 for 11°

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

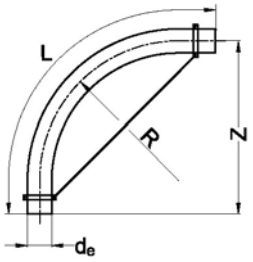
PE100 pressure fittings

Bend seamless formed Ri = 1750 mm SDR 17 90°/60°

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 517**	3030	5000	1775
63	**19 06 xx 517**	3030	5000	1781
75	**19 07 xx 517**	3030	5000	1787
90	**19 09 xx 517**	3030	5000	1795
110	**19 11 xx 517**	3030	5000	1805
125	**19 12 xx 517**	3030	5000	1812
140	**19 14 xx 517**	3030	5000	1820
160	**19 16 xx 517**	3030	5000	1830
180	**19 18 xx 517**	3030	5000	1840
200	**19 20 xx 517**	3030	5000	1850
225	**19 22 xx 517**	3030	5000	1862
250	**19 25 xx 517**	3030	5000	1875
280	**19 28 xx 517**	3030	5000	1890
315	**19 31 xx 517**	3030	5000	1907
355	**19 35 xx 517**	3030	5000	1927
400	**19 40 xx 517**	3030	5000	1950
450	**19 45 xx 517**	3030	5000	1975
500	**19 50 xx 517**	3030	5000	2000
560	**19 56 xx 517**	3030	5000	2030
630	**19 63 xx 517**	3030	5000	2065

Composition Art. Nr.:
xx = 97 for 90°
xx = 67 for 60°

Dimensions apply for bend 90°.

Bends 90°/60° with R > 2,5 x d_e are provided with a steel fixation.

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

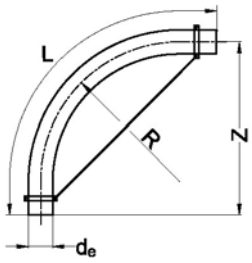
Bend seamless formed Ri = 1750 mm SDR 11 90°/60°

PE100
SDR 11

for butt-welding and electrofusion

water 16 bar/gas 10 bar





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 511**	3030	5000	1775
63	**19 06 xx 511**	3030	5000	1781
75	**19 07 xx 511**	3030	5000	1787
90	**19 09 xx 511**	3030	5000	1795
110	**19 11 xx 511**	3030	5000	1805
125	**19 12 xx 511**	3030	5000	1812
140	**19 14 xx 511**	3030	5000	1820
160	**19 16 xx 511**	3030	5000	1830
180	**19 18 xx 511**	3030	5000	1840
200	**19 20 xx 511**	3030	5000	1850
225	**19 22 xx 511**	3030	5000	1862
250	**19 25 xx 511**	3030	5000	1875
280	**19 28 xx 511**	3030	5000	1890
315	**19 31 xx 511**	3030	5000	1907
355	**19 35 xx 511**	3030	5000	1927
400	**19 40 xx 511**	3030	5000	1950
450	**19 45 xx 511**	3030	5000	1975
500	**19 50 xx 511**	3030	5000	2000
560	**19 56 xx 511**	3030	5000	2030
630	**19 63 xx 511**	3030	5000	2065

Composition Art. Nr.:
xx = 97 for 90°
xx = 67 for 60°

Dimensions apply for bend 90°.

Bends 90°/60° with R > 2,5 x d_e are provided with a steel fixation.

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

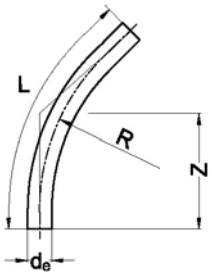
PE100 pressure fittings

Bend seamless formed Ri = 1750 mm SDR 17 45°/30°/22°/11°

for butt-welding and electrofusion

PE100
SDR 17
water 10 bar/gas 5 bar





d_e	Art. Nr.	Z	L	R
50	**19 05 xx 517**	2550	5000	1775
63	**19 06 xx 517**	2550	5000	1781
75	**19 07 xx 517**	2550	5000	1787
90	**19 09 xx 517**	2550	5000	1795
110	**19 11 xx 517**	2550	5000	1805
125	**19 12 xx 517**	2550	5000	1812
140	**19 14 xx 517**	2550	5000	1820
160	**19 16 xx 517**	2550	5000	1830
180	**19 18 xx 517**	2550	5000	1840
200	**19 20 xx 517**	2550	5000	1850
225	**19 22 xx 517**	2550	5000	1862
250	**19 25 xx 517**	2550	5000	1875
280	**19 28 xx 517**	2550	5000	1890
315	**19 31 xx 517**	2550	5000	1907
355	**19 35 xx 517**	2550	5000	1927
400	**19 40 xx 517**	2550	5000	1950
450	**19 45 xx 517**	2550	5000	1975
500	**19 50 xx 517**	2550	5000	2000
560	**19 56 xx 517**	2550	5000	2030
630	**19 63 xx 517**	2550	5000	2065

Composition Art. Nr.:
xx = 52 for 45°
xx = 37 for 30°
xx = 29 for 22°
xx = 18 for 11°

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

Bend seamless formed Ri = 1750 mm SDR 11 45°/30°/22°/11°

PE100
SDR 11
water 16 bar/gas 10 bar

for butt-welding and electrofusion



d_e	Art. Nr.	Z	L	R
50	**19 05 xx 511**	2550	5000	1775
63	**19 06 xx 511**	2550	5000	1781
75	**19 07 xx 511**	2550	5000	1787
90	**19 09 xx 511**	2550	5000	1795
110	**19 11 xx 511**	2550	5000	1805
125	**19 12 xx 511**	2550	5000	1812
140	**19 14 xx 511**	2550	5000	1820
160	**19 16 xx 511**	2550	5000	1830
180	**19 18 xx 511**	2550	5000	1840
200	**19 20 xx 511**	2550	5000	1850
225	**19 22 xx 511**	2550	5000	1862
250	**19 25 xx 511**	2550	5000	1875
280	**19 28 xx 511**	2550	5000	1890
315	**19 31 xx 511**	2550	5000	1907
355	**19 35 xx 511**	2550	5000	1927
400	**19 40 xx 511**	2550	5000	1950
450	**19 45 xx 511**	2550	5000	1975
500	**19 50 xx 511**	2550	5000	2000
560	**19 56 xx 511**	2550	5000	2030
630	**19 63 xx 511**	2550	5000	2065

Composition Art. Nr.:
xx = 52 for 45°
xx = 37 for 30°
xx = 29 for 22°
xx = 18 for 11°

Variances of +5°/-3° are possible.
Fabrication on order, returning not possible.

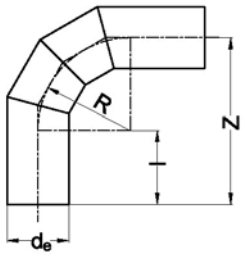
PE100 pressure fittings

Bend 90° welded R = 1,5 x d_e SDR 33

PE100
SDR 33
water 2,5 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	l	R
110	**18 11 93 533**	315	150	165
125	**18 12 93 533**	338	150	188
140	**18 14 93 533**	360	150	210
160	**18 16 93 533**	390	150	240
180	**18 18 93 533**	420	150	270
200	**18 20 93 533**	450	150	300
225	**18 22 93 533**	488	150	338
250	**18 25 93 533**	625	250	375
280	**18 28 93 533**	670	250	420
315	**18 31 93 533**	778	300	478
355	**18 35 93 533**	833	300	533
400	**18 40 93 533**	900	300	600
450	**18 45 93 533**	975	300	675
500	**18 50 93 533**	1100	350	750
560	**18 56 93 533**	1190	350	840
630	**18 63 93 533**	1295	350	945
710	**18 71 93 533**	1415	350	1065
800	**18 80 93 533**	1550	350	1200
900	**18 90 93 533**	1750	400	1350
1000	**18 91 93 533**	1900	400	1500

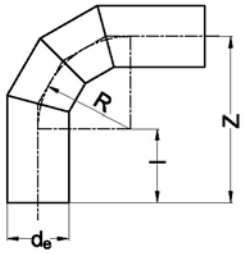
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
30°, 45° and 60° on request.
Fabrication on order, returning not possible.

Bend 90° welded R = 1,5 x d_e SDR 17

PE100
SDR 17
water 6 bar

for butt-welding and electrofusion





d_e	Art. Nr.	Z	l	R
450	**18 45 93 517**	975	300	675
500	**18 50 93 517**	1100	350	750
560	**18 56 93 517**	1190	350	840
630	**18 63 93 517**	1295	350	945
710	**18 71 93 517**	1415	350	1065
800	**18 80 93 517**	1550	350	1200
900	**18 90 93 517**	1750	400	1350
1000	**18 91 93 517**	1900	400	1500

Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
30°, 45° and 60° on request.
Fabrication on order, returning not possible.

Bend 90° welded R = 1,5 x d_e SDR 11

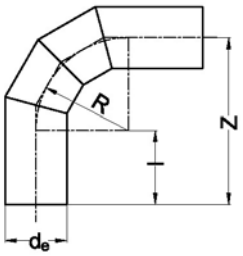
for butt-welding and electrofusion

PE100
SDR 11
water 10 bar



d_e	Art. Nr.	Z	l	R
450	**18 45 93 511**	975	300	675
500	**18 50 93 511**	1100	350	750
560	**18 56 93 511**	1190	350	840
630	**18 63 93 511**	1295	350	945

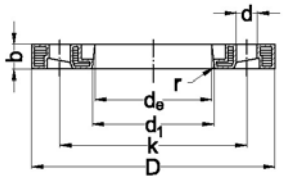
Reduced pressure class, see appendix B2 "Maximum operating pressure for pipes and fittings" of our Specification Manual.
30°, 45° and 60° on request.
Fabrication on order, returning not possible.



PE100 pressure fittings

Profile backing ring PP with ductile iron core
DIN 2501-PN10 (EN 1092)
for stub flange (butt-welding connection)





d_e/DN	Art. Nr.		bar	d_1	D	k	b	d	n	M	r	kg
20/15	**47 01 09 010**	*	16	28	106	65	18	14	4	M12	3	0,4
25/20	**47 02 09 010**	*	16	34	118	75	18	14	4	M12	3	0,4
32/25	**47 03 09 010**	*	16	42	122	85	17	14	4	M12	3	0,4
40/32	**47 04 09 010**	*	16	51	142	100	17	18	4	M16	3	0,5
50/40	**47 05 09 010**	*	16	62	156	110	19	18	4	M16	3	0,7
63/50	**47 06 09 010**	*	16	78	171	125	20	18	4	M16	3	0,9
75/65	**47 07 09 010**	*	16	92	191	145	21	18	4	M16	3	1,0
90/80	**47 09 09 010**	*	16	108	206	160	21	18	8	M16	3	1,1
110/100	**47 11 09 010**	*	16	128	226	180	22	18	8	M16	3	1,5
125/100	**47 12 09 010**	*	16	135	226	180	23	18	8	M16	3	1,4
140/125	**47 14 09 010**	*	16	158	261	210	25	18	8	M16	3	1,7
160/150	**47 16 09 010**	*	16	178	296	240	28	22	8	M20	3	1,8
180/150	**47 18 09 010**	*	16	188	296	240	27	22	8	M20	4	1,9
200/200	**47 20 09 010**		16	235	350	295	32	22	8	M20	4	3,1
225/200	**47 22 09 010**		16	238	350	295	31	22	8	M20	4	3,1
250/250	**47 25 09 010**		16	288	412	350	36	22	12	M20	4	4,9
280/250	**47 28 09 010**		16	294	412	350	35	22	12	M20	4	4,4
315/300	**47 31 09 010**		16	338	462	400	42	22	12	M20	4	6,4
355/350	**47 35 09 010**		16	376	525	460	52	22	16	M20	6	11,1
400/400	**47 40 09 010**		16	430	586	515	56	26	16	M24	6	14,7
450/500	**47 45 09 010**		10	514	690	620	55	27	20	M24	6	20,3
500/500	**47 50 09 010**		10	530	690	620	55	27	20	M24	6	19,2
560/600	**47 56 09 010**		10	615	804	725	62	30	20	M27	6	30,0
630/600	**47 63 09 010**		10	642	804	725	62	30	20	M27	6	27,7
710/700	**47 71 09 010**		6	740	912	840	49	30	24	M27	5	28,6
800/800	**47 80 09 010**	**	6	843	1026	950	58	33	24	M30	5	39,3
900/900	**47 90 09 010**	**	6	947	1129	1050	62	33	28	M30	5	48,5
1000/1000	**47 90 09 010**	**	6	1050	1245	1160	66	36	28	M33	5	60,0

* *identical to DIN 2501-PN16*

** *fabrication on order*

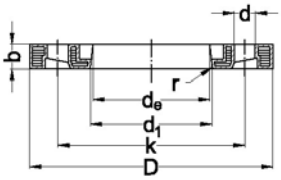
n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Convincing weight saving.
Corrosion resistant.
Calculated guaranteed high safety factor.
Substantially simplified handling.

Profile backing ring PP with ductile iron core

DIN 2501-PN10 (EN 1092)
for flange adaptor (socket connection)





d_e/DN	Art. Nr.		bar	d_1	D	k	b	d	n	M	r	kg
20/15	**47 01 09 010**	*	16	28	106	65	18	14	4	M12	3	0,4
25/20	**47 02 09 010**	*	16	34	118	75	18	14	4	M12	3	0,4
32/25	**47 03 09 010**	*	16	42	122	85	17	14	4	M12	3	0,4
40/32	**47 04 09 010**	*	16	51	142	100	17	18	4	M16	3	0,5
50/40	**47 05 09 010**	*	16	62	156	110	19	18	4	M16	3	0,7
63/50	**47 06 09 010**	*	16	78	171	125	20	18	4	M16	3	0,9
75/65	**47 07 09 010**	*	16	92	191	145	21	18	4	M16	3	1,0
90/80	**47 09 19 010**		16	110	206	160	21	18	8	M16	3	1,2
110/100	**47 11 19 010**		16	133	226	180	22	18	8	M16	3	1,5
140/125	**47 14 19 010**		16	167	261	210	26	18	8	M16	3	1,9
160/150	**47 16 19 010**		16	190	296	240	28	22	8	M16	3	2,6
225/200	**47 22 19 010**		16	250	350	295	23	22	8	M20	3	2,7
250/250	**47 25 19 010**		16	277	403	350	35	22	12	M20	4	5,3
280/250	**47 28 19 010**		16	310	403	350	31	22	12	M20	4	3,8
315/300	**47 31 19 010**		16	348	458	400	37	22	12	M20	4	5,7

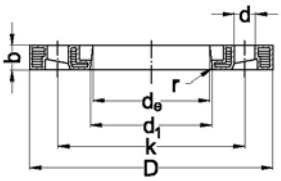
* *identical to profile backing ring PP with ductile iron core DIN 2501-PN10 for stub flange*

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Profile backing ring PP with ductile iron core

ANSI 150 lb
for stub flange





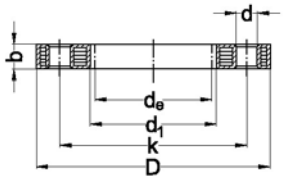
DN/d_e	Art. Nr.	bar	d_1	D	k	b	d	n	kg
63/2"	**47 83 09 010**	16	78	164	121	18	19	4	0,8
90/3"	**47 85 09 010**	16	108	196	153	19	19	4	1,0
110/4"	**47 86 09 010**	16	128	237	191	25	19	8	1,8
160/6"	**47 87 09 010**	16	178	297	242	30	22	8	3,2
225/8"	**47 88 09 010**	16	238	354	299	34	22	8	5,1
250/10"	**47 89 09 010**	16	288	425	362	39	26	12	6,9
315/12"	**47 90 29 010**	16	338	497	432	51	26	12	12,8

n = number of bolts.
bar = maximum operating pressure.
ANSI B16.5 class 150

PE100 pressure fittings

Backing ring PP with ductile iron core
DIN 2501-PN10 (EN 1092)
for stub flange





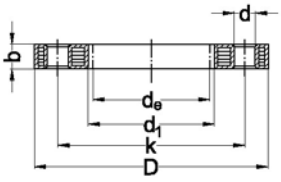
d_e/DN	Art. Nr.		bar	d_1	D	k	b	d	n	M	kg
20/15	**47 01 08 010**	*	16	28	95	65	12	14	4	M12	0,3
25/20	**47 02 08 010**	*	16	34	105	75	14	14	4	M12	0,3
32/25	**47 03 08 010**	*	16	42	115	85	14	14	4	M12	0,4
40/32	**47 04 08 010**	*	16	51	140	100	16	18	4	M16	0,7
50/40	**47 05 08 010**	*	16	62	150	110	16	18	4	M16	0,7
63/50	**47 06 08 010**	*	16	78	165	125	19	18	4	M16	0,8
75/65	**47 07 08 010**	*	16	92	185	145	19	18	4	M16	1,1
90/80	**47 09 08 010**	*	16	108	200	160	21	18	8	M16	1,4
110/100	**47 11 08 010**	*	16	128	220	180	22	18	8	M16	1,6
125/100	**47 12 08 010**	*	16	135	220	180	22	18	8	M16	1,4
140/125	**47 14 08 010**	*	16	158	250	210	26	18	8	M16	2,0
160/150	**47 16 08 010**	*	16	178	285	240	27	22	8	M20	2,5
180/150	**47 18 08 010**	*	16	188	285	240	27	22	8	M20	2,3
200/200	**47 20 08 010**		16	235	340	295	28	22	8	M20	3,2
225/200	**47 22 08 010**		16	238	340	295	28	22	8	M20	3,2
250/250	**47 25 08 010**		16	288	406	350	31	22	12	M20	6,4
280/250	**47 28 08 010**		16	294	406	350	31	22	12	M20	6,3
315/300	**47 31 08 010**		16	338	460	400	34	22	12	M20	9,8
355/350	**47 35 08 010**		16	377	520	460	39	23	16	M20	15,0
400/400	**47 40 08 010**		16	430	580	515	43	27	16	M24	18,1
450/500	**47 45 08 010**		10	517	678	620	45	26	20	M24	25,0
500/500	**47 50 08 010**		10	533	678	620	45	26	20	M24	23,4
560/600	**47 56 08 010**		10	618	790	725	50	30	20	M27	33,7
630/600	**47 63 08 010**		10	645	790	725	50	30	20	M27	32,6

* *identical to DIN 2501-PN16*

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Backing ring PP with ductile iron core
ANSI 150 lb
for stub flange





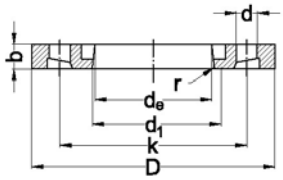
DN/d_e	Art. Nr.	bar	d_1	D	k	b	d	n	kg
20/½"	**47 78 08 010**	16	28	95	60,5	12	16	4	0,3
25/¾"	**47 79 08 010**	16	34	102	69,9	12	16	4	0,3
32/1"	**47 80 08 010**	16	42	114	79,3	16	16	4	0,4
40/1¼"	**47 81 08 010**	16	51	130	88,9	16	16	4	0,5
50/1½"	**47 82 08 010**	16	62	133	98,6	18	16	4	0,6
63/2"	**47 83 08 010**	16	78	162	120,6	18	20	4	0,9
75/2½"	**47 84 08 010**	16	92	184	139,7	18	20	4	1,1
90/3"	**47 85 08 010**	16	111	194	152,4	18	20	4	1,0
110/4"	**47 86 08 010**	16	133	229	190,5	18	20	8	1,6
160/6"	**47 87 08 010**	16	178	283	241,3	24	22	8	2,5
200/8"	**47 88 08 010**	16	236	345	298,5	24	22	8	3,4
250/10"	**47 89 08 010**	16	288	412	361,9	27	25	12	5,9
315/12"	**47 90 08 010**	16	338	487	431,8	32	25	12	12,8
355/14"	**47 91 08 010**	16	376	533	476,2	42	28,5	12	15,7
400/16"	**47 92 08 010**	16	430	596	539,7	44	28,5	16	17,6

n = number of bolts.
bar = maximum operating pressure.
ANSI B16.5 class 150

PE100 pressure fittings

Profile backing ring ductile iron GGG40 epoxy coated
DIN 2501-PN10 (EN 1092)
for stub flange





d_e/DN	Art. Nr.		bar	d_1	D	k	b	d	n	M	r	kg
50/40	**47 05 13 010**	*	16	62	150	110	16	18	4	M16	3	1,0
63/50	**47 06 13 010**	*	16	78	165	125	16	18	4	M16	3	1,1
75/65	**47 07 13 010**	*	16	92	185	145	16	18	4	M16	3	1,4
90/80	**47 09 13 010**	*	16	108	200	160	19	18	8	M16	3	1,6
110/100	**47 11 13 010**	*	16	128	220	180	19	18	8	M16	3	1,8
125/100	**47 12 13 010**	*	16	135	220	180	19	18	8	M16	3	1,7
140/125	**47 14 13 010**	*	16	158	250	210	19	18	8	M16	3	2,1
160/150	**47 16 13 010**	*	16	178	285	240	19	22	8	M20	3	2,6
180/150	**47 18 13 010**	*	10	188	285	240	19	22	8	M20	3	2,5
200/200	**47 20 13 010**		10	235	340	295	18	22	8	M20	3	3,5
225/200	**47 22 13 010**		10	238	340	295	18	22	8	M20	3	3,5
250/250	**47 25 13 010**		10	288	395	350	22	22	12	M20	3	5,3
280/250	**47 28 13 010**		10	294	395	350	22	22	12	M20	3	5,1
315/300	**47 31 13 010**		10	338	445	400	26	22	12	M20	3	6,6
355/350	**47 35 13 010**		10	376	505	460	30	22	16	M20	4	11,3
400/400	**47 40 13 010**		10	430	565	515	34	26	16	M24	4	14,2
450/500	**47 45 13 010**		10	517	670	620	42	26	20	M24	6	21,5
500/500	**47 50 13 010**		10	533	670	620	38	26	20	M24	4	18,7
560/600	**47 56 13 010**		10	618	785	725	50	30	20	M27	7	34,8
630/600	**47 63 13 010**		10	645	785	725	40	30	20	M27	4	26,4
710/700	**47 71 13 010**		6	740	900	840	45	30	24	M27	5	36,4
800/800	**47 80 13 010**	**	6	843	1015	950	53	33	24	M30	5	50,5
900/900	**47 90 13 010**	**	6	947	1115	1050	56	33	28	M30	5	55,8
1000/1000	**47 91 13 010**	**	6	1050	1230	1160	62	36	28	M33	5	71,1
1200/1200	**47 92 13 010**	**	4	1260	1455	1380	68	39	32	M36	6	101
1400/1400	**47 93 13 010**	**	4	1441	1675	1590	72	42	36	M39	6	143
1600/1600	**47 94 13 010**	**	4	1644	1915	1820	84	48	40	M45	6	203

* *identical to DIN 2501-PN16*

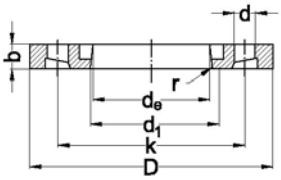
** *fabrication on order*

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Profile backing ring ductile iron
DIN 2501-PN16 (EN 1092)
for stub flange

GGG40 epoxy coated





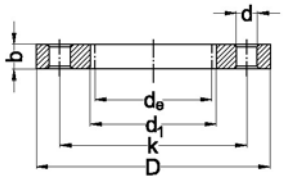
d_e/DN	Art. Nr.	bar	d_1	D	k	b	d	n	M	r	kg
50/40	**47 05 13 010**	16	62	150	110	16	18	4	M16	3	1,0
63/50	**47 06 13 010**	16	78	165	125	16	18	4	M16	3	1,1
75/65	**47 07 13 010**	16	92	185	145	16	18	4	M16	3	1,4
90/80	**47 09 13 010**	16	108	200	160	19	18	8	M16	3	1,6
110/100	**47 11 13 010**	16	128	220	180	19	18	8	M16	3	1,8
125/100	**47 12 13 010**	16	135	220	180	19	18	8	M16	3	1,7
140/125	**47 14 13 010**	16	158	250	210	19	18	8	M16	3	2,1
160/150	**47 16 13 010**	16	178	285	240	19	22	8	M20	3	2,6
180/150	**47 18 13 010**	16	188	285	240	19	22	8	M20	3	2,5
200/200	**47 20 13 016**	16	235	340	295	23	22	12	M20	3	4,0
225/200	**47 22 13 016**	16	238	340	295	23	22	12	M20	3	3,9
250/250	**47 25 13 016**	16	288	405	355	29	26	12	M24	3	6,6
280/250	**47 28 13 016**	16	294	405	355	29	26	12	M24	3	6,5
315/300	**47 31 13 016**	16	338	460	410	34	26	12	M24	3	8,6
355/350	**47 35 13 016**	16	376	520	470	39	26	16	M24	4	14,4
400/400	**47 40 13 016**	16	430	580	525	43	30	16	M27	4	17,0
450/500	**47 45 13 016**	16	517	715	650	46	33	20	M30	6,5	29,8
500/500	**47 50 13 016**	16	533	650	650	46	33	20	M30	7	27,3
560/600	**47 56 13 016**	16	618	840	770	55	36	20	M33	6	46,5
630/600	**47 63 13 016**	16	645	840	770	55	36	20	M33	6	37,2

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN16" does not refer to the pressure class of the backing ring.

PE100 pressure fittings

Backing ring GRP standard type
DIN 2501-PN10 (EN 1092)
for stub flange





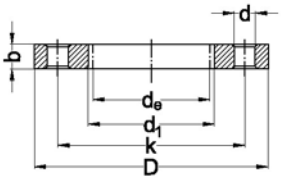
d_e/DN	Art. Nr.		bar	d_1	D	k	b	d	n	M	kg
20/15	**47 01 07 010**	*	6	28	95	65	14	14	4	M12	0,2
25/20	**47 02 07 010**	*	6	34	105	75	14	14	4	M12	0,2
32/25	**47 03 07 010**	*	6	42	115	85	16	14	4	M12	0,3
40/32	**47 04 07 010**	*	6	51	140	100	16	18	4	M16	0,4
50/40	**47 05 07 010**	*	6	62	150	110	16	18	4	M16	0,4
63/50	**47 06 07 010**	*	6	78	165	125	16	18	4	M16	0,5
75/65	**47 07 07 010**	*	6	92	185	145	16	18	4	M16	0,6
90/80	**47 09 07 010**		6	108	200	160	18	18	8	M16	0,7
110/100	**47 11 07 010**		6	128	220	180	18	18	8	M16	0,8
125/100	**47 12 07 010**		6	135	220	180	18	18	8	M16	0,7
140/125	**47 14 07 010**		6	158	250	210	18	18	8	M16	1,0
160/150	**47 16 07 010**		6	178	285	240	18	23	8	M20	1,2
180/150	**47 18 07 010**		6	188	285	240	18	23	8	M20	1,1
200/200	**47 20 07 010**		6	235	340	295	25	23	8	M20	2,1
225/200	**47 22 07 010**		6	238	340	295	25	23	8	M20	2,1
250/250	**47 25 07 010**		6	288	395	350	28	23	12	M20	2,7
280/250	**47 28 07 010**		6	294	395	350	28	23	12	M20	2,5
315/300	**47 31 07 010**		6	338	445	400	30	23	12	M20	3,3
355/350	**47 35 07 010**		6	376	505	460	28	23	16	M20	4,2
400/400	**47 40 07 010**		6	430	565	515	32	27	16	M24	6,0
450/500	**47 45 07 010**		6	533	670	620	38	27	20	M24	8,6
500/500	**47 50 07 010**		6	533	670	620	38	27	20	M24	8,6

* *also suitable for flange adaptor (socket connection)*

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Backing ring GRP heavy type DIN 2501-PN10
DIN 2501-PN10 (EN 1092)
for stub flange





d_e/DN	Art. Nr.		bar	d_1	D	k	b	d	n	M	kg
63/50	**47 06 06 010**	*	10	78	165	125	18	18	4	M16	0,5
75/65	**47 07 06 010**	*	10	92	185	145	20	18	4	M16	0,7
90/80	**47 09 06 010**		10	108	200	160	22	18	8	M16	0,8
110/100	**47 11 06 010**		10	128	220	180	28	18	8	M16	1,2
125/100	**47 12 06 010**		10	135	220	180	28	18	8	M16	1,1
140/125	**47 14 06 010**		10	158	250	210	30	18	8	M16	1,6
160/150	**47 16 06 010**		10	178	285	240	30	23	8	M20	1,9
180/150	**47 18 06 010**		10	188	285	240	30	23	8	M20	1,8
200/200	**47 20 06 010**		10	235	340	295	32	23	8	M20	2,5
225/200	**47 22 06 010**		10	238	340	295	32	23	8	M20	2,4
250/250	**47 25 06 010**		10	288	395	350	34	23	12	M20	3,2
280/250	**47 28 06 010**		10	294	395	350	34	23	12	M20	3,0
315/300	**47 31 06 010**		10	338	445	400	36	23	12	M20	4,0
355/350	**47 35 06 010**		10	376	505	460	38	23	16	M20	5,6
400/400	**47 40 06 010**		10	430	565	515	42	27	16	M24	7,2
450/500	**47 45 06 010**		10	533	670	620	48	27	20	M24	10,4
500/500	**47 50 06 010**		10	533	670	620	48	27	20	M24	10,4
560/600	**47 56 06 010**		10	645	780	725	56	30	20	M27	13,2
630/600	**47 63 06 010**		10	645	780	725	56	30	20	M27	13,2

* *also suitable for flange adaptor (socket connection)*

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

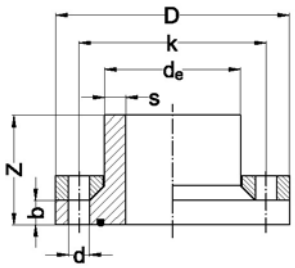
PE100 pressure fittings

Flange connection short SDR 17

DIN 2501-PN10 (EN 1092)
for butt-welding

PE100
SDR 17
water 10 bar





de/DN	Art. Nr.		bar	Z	D	k	b	d	n	M	kg
90/65	**47 06 09 017**		10	90	185	145	30	18	4	M16	2,9
110/80	**47 08 11 017**		10	90	200	160	30	18	8	M16	3,6
140/100	**47 10 14 017**		10	90	220	180	30	18	8	M16	3,6
160/125	**47 12 16 017**		10	100	250	210	35	18	8	M16	4,7
180/125	**47 12 18 017**		10	125	250	210	35	18	8	M16	4,5
200/150	**47 15 20 017**		10	100	285	240	35	23	8	M20	5,7
250/200	**47 20 25 017**		10	100	340	295	40	23	8	M20	8,2
315/250	**47 25 31 017**	*	10	130	395	350	40	23	12	M20	11,5
355/300	**47 30 35 017**		10	110	445	400	40	23	12	M20	15,1
400/350	**47 35 40 017**		10	130	505	460	60	23	16	M20	21,7
450/400	**47 40 45 017**		10	130	565	515	60	27	16	M24	29,0
560/500	**47 50 56 017**		10	140	670	620	60	27	20	M24	42,3

* *different construction*

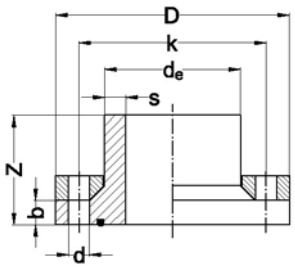
EPDM O-ring and hot dip galvanised steel backing ring.
n = number of bolts.
bar = maximum operating pressure.
For direct connection of valves without loss of cross section and without changing the nominal size.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Flange connection short SDR 11

DIN 2501-PN10 (EN 1092)
for butt-welding

PE100
SDR 11
water 16 bar





de/DN	Art. Nr.		bar	Z	D	k	b	d	n	M	kg
90/65	**47 06 09 011**		10	90	185	145	30	18	4	M16	2,9
110/80	**47 08 11 011**		10	90	200	160	30	18	8	M16	3,6
140/100	**47 10 14 011**		10	90	220	180	30	18	8	M16	3,6
160/125	**47 12 16 011**		10	100	250	210	35	18	8	M16	4,7
180/125	**47 12 18 011**		10	125	250	210	35	18	8	M16	4,5
200/150	**47 15 20 011**		10	100	285	240	35	23	8	M20	5,7
250/200	**47 20 25 011**		10	100	340	295	40	23	8	M20	8,2
315/250	**47 25 31 011**	*	10	130	395	350	40	23	12	M20	11,5
355/300	**47 30 35 011**		10	110	445	400	40	23	12	M20	15,1
400/350	**47 35 40 011**		10	130	505	460	60	23	16	M20	21,7
450/400	**47 40 45 011**		10	130	565	515	60	27	16	M24	29,0
560/500	**47 50 56 011**		10	140	670	620	60	27	20	M24	42,3

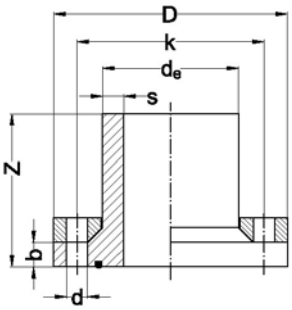
* *different construction*

EPDM O-ring and hot dip galvanised steel backing ring.
n = number of bolts.
bar = maximum operating pressure.
For direct connection of valves without loss of cross section and without changing the nominal size.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Flange connection long SDR 17
DIN 2501-PN10 (EN 1092)
for butt-welding and electrofusion

PE100
SDR 17
water 10 bar





de/DN	Art. Nr.		bar	Z	D	k	b	d	n	M	kg
90/65	**47 06 09 117**		10	300	185	145	30	18	4	M16	3,3
110/80	**47 08 11 117**		10	300	200	160	30	18	8	M16	4,3
140/100	**47 10 14 117**		10	300	220	180	30	18	8	M16	4,6
160/125	**47 12 16 117**		10	300	250	210	35	18	8	M16	6,1
180/125	**47 12 18 117**		10	300	250	210	35	18	8	M16	6,2
200/150	**47 15 20 117**		10	300	285	240	35	23	8	M20	7,8
250/200	**47 20 25 117**		10	300	340	295	40	23	8	M20	11,5
315/250	**47 25 31 117**	*	10	300	395	350	40	23	12	M20	16,8
355/300	**47 30 35 117**		10	300	445	400	40	23	12	M20	21,8
400/350	**47 35 40 117**		10	400	505	460	60	23	16	M20	30,2
450/400	**47 40 45 117**		10	400	565	515	60	27	16	M24	39,4
560/500	**47 50 56 117**		10	400	670	620	60	27	20	M24	58,9

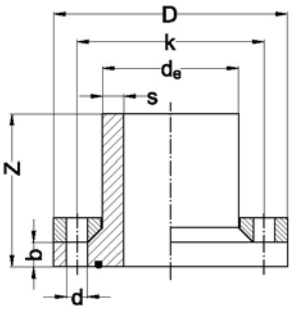
* *different construction*

EPDM O-ring and hot dip galvanised steel backing ring.
n = number of bolts.
bar = maximum operating pressure.
For direct connection of valves without loss of cross section and without changing the nominal size.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

Flange connection long SDR 11
DIN 2501-PN10 (EN 1092)
for butt-welding and electrofusion

PE100
SDR 11
water 16 bar





de/DN	Art. Nr.		bar	Z	D	k	b	d	n	M	kg
90/65	**47 06 09 111**		10	300	185	145	30	18	4	M16	3,5
110/80	**47 08 11 111**		10	300	200	160	30	18	8	M16	4,6
140/100	**47 10 14 111**		10	300	220	180	30	18	8	M16	5,1
160/125	**47 12 16 111**		10	300	250	210	35	18	8	M16	6,7
180/125	**47 12 18 111**		10	300	250	210	35	18	8	M16	7,0
200/150	**47 15 20 111**		10	300	285	240	35	23	8	M20	8,9
250/200	**47 20 25 111**		10	300	340	295	40	23	8	M20	13,1
315/250	**47 25 31 111**	*	10	300	395	350	40	23	12	M20	19,3
355/300	**47 30 35 111**		10	300	445	400	40	23	12	M20	25,0
400/350	**47 35 40 111**		10	400	505	460	60	23	16	M20	34,2
450/400	**47 40 45 111**		10	400	565	515	60	27	16	M24	44,8
560/500	**47 50 56 111**		10	400	670	620	60	27	20	M24	66,8

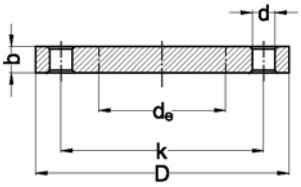
* *different construction*

EPDM O-ring and hot dip galvanised steel backing ring.
n = number of bolts.
bar = maximum operating pressure.
For direct connection of valves without loss of cross section and without changing the nominal size.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.

PE100 pressure fittings

Blind flange PP with ductile iron core
DIN 2501-PN10 (EN 1092)





d_e/DN	Art. Nr.		bar	D	k	b	d	n	M	kg
20/15	**47 01 85 010**	*	16	95	65	12	14	4	M12	0,3
25/20	**47 02 85 010**	*	16	105	75	12	14	4	M12	0,4
32/25	**47 03 85 010**	*	16	115	85	16	14	4	M12	0,6
40/32	**47 04 85 010**	*	16	140	100	16	18	4	M16	0,8
50/40	**47 05 85 010**	*	16	150	110	18	18	4	M16	0,9
63/50	**47 06 85 010**	*	16	165	125	18	18	4	M16	1,2
75/65	**47 07 85 010**	*	16	185	145	18	18	4	M16	1,7
90/80	**47 09 85 010**	*	16	200	160	18	18	8	M16	2,2
110/100	**47 11 85 010**	*	16	220	180	18	18	8	M16	2,8
125/100	**47 11 85 010**	*	16	220	180	18	18	8	M16	2,8
140/125	**47 14 85 010**	*	16	250	210	24	18	8	M16	4,0
160/150	**47 16 85 010**	*	16	285	240	24	22	8	M20	5,1
180/150	**47 16 85 010**	*	16	285	240	24	22	8	M20	5,2
200/200	**47 20 85 010**		16	340	295	24	22	8	M20	7,7
225/200	**47 20 85 010**		16	340	295	24	22	8	M20	7,7
250/250	**47 25 85 010**		16	400	350	30	22	12	M20	14,4
280/250	**47 25 85 010**		16	400	350	30	22	12	M20	15,7
315/300	**47 31 85 010**		16	463	400	34	22	12	M20	26,5
355/350	**47 35 85 010**		10	515	460	42	22	16	M20	39,2
400/400	**47 40 85 010**		10	574	515	46	27	16	M24	50,1

* *identical to DIN 2501-PN16*

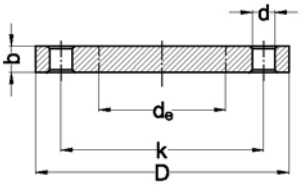
n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to he pressure class of the backing ring.

Blind flange steel Rilsan coated DIN 2501-PN10
DIN 2501-PN10 (EN 1092)



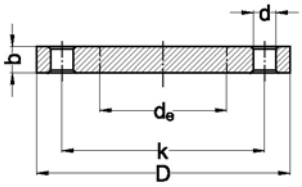
d_e/DN	Art. Nr.	bar	D	k	b	d	n	M	kg
450/500	**47 50 55 010**	10	670	620	26	32	20	M24	87,0
500/500	**47 50 55 010**	10	670	620	26	32	20	M24	87,0
560/600	**47 63 55 010**	10	780	725	30	35	20	M27	106,0
630/600	**47 63 55 010**	10	780	725	30	35	20	M27	106,0
710/700	**47 71 55 010**	10	895	840	30	40	24	M27	150,0
800/800	**47 80 55 010**	10	1015	950	33	44	24	M30	190,0

n = number of bolts.
bar = maximum operating pressure.
"DIN 2501-PN10" does not refer to the pressure class of the backing ring.
Fabrication on order, returning not possible.



Blind flange PP with ductile iron core
ANSI 150 lb





d_e/DN	Art. Nr.	bar	D	k	b	d	n	kg
20/½"	**47 78 05 010**	16	95	60,5	12	16	4	0,3
25/¾"	**47 79 05 010**	16	102	69,9	12	16	4	0,3
32/1"	**47 80 05 010**	16	114	79,3	16	16	4	0,5
40/1¼"	**47 81 05 010**	16	130	88,9	16	16	4	0,8
50/1½"	**47 82 05 010**	16	133	98,6	18	16	4	0,8
63/2"	**47 83 05 010**	16	162	120,6	18	20	4	1,3
75/2½"	**47 84 05 010**	16	184	139,7	18	20	4	1,5
90/3"	**47 85 05 010**	16	194	152,4	18	20	4	1,9
110/4"	**47 86 05 010**	16	229	190,5	18	20	8	3,0
160/6"	**47 87 05 010**	16	283	241,3	24	22	8	4,9
200/8"	**47 88 05 010**	16	345	298,5	24	22	8	7,7
250/10"	**47 89 05 010**	10	412	361,9	27	25	12	15,0
315/12"	**47 90 05 010**	10	487	431,8	32	25	12	29,0

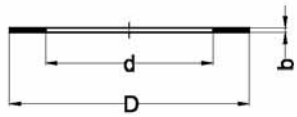
n = number of bolts.
bar = maximum operating pressure.
ANSI B16.5 class 150.

PE100 pressure fittings

Gasket flat EPDM

for stub flanges SDR 17





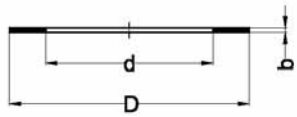
d_e/DN	Art. Nr.	d	D	b
63/50	**47 06 13 810**	58	107	3
75/65	**47 07 13 810**	69	127	3
90/80	**47 09 13 810**	84	142	3
110/100	**47 11 13 810**	100	162	3
125/100	**47 12 13 810**	114	162	3
140/125	**47 14 13 810**	127	192	3
160/150	**47 16 13 810**	146	218	3
180/150	**47 18 13 810**	164	218	3
200/200	**47 20 13 810**	181	273	3
225/200	**47 22 13 810**	203	273	3
250/250	**47 25 13 810**	226	328	3
280/250	**47 28 13 810**	252	328	3
315/300	**47 31 13 810**	283	378	3
355/350	**47 35 13 810**	319	435	3
400/400	**47 40 13 810**	359	489	3
450/500	**47 45 13 810**	403	594	3
500/500	**47 50 13 810**	447	594	3
560/600	**47 56 13 810**	494	695	3
630/600	**47 63 13 810**	555	695	3
710/700	**47 71 13 810**	630	810	3
800/800	**47 80 13 810**	710	915	3
900/900	**47 90 13 810**	800	1020	3
1000/1000	**47 91 13 810**	885	1120	3

Suitable for flange connections with maximum operating pressure water 10 bar.
For pressure class >10 bar we recommend our profile gaskets.

Gasket flat EPDM

for stub flanges SDR 11





d_e/DN	Art. Nr.	d	D	b
20/15	**47 01 13 910**	16	51	3
25/20	**47 02 13 910**	22	61	3
32/25	**47 03 13 910**	28	71	3
40/32	**47 04 13 910**	34	82	3
50/40	**47 05 13 910**	42	92	3
63/50	**47 06 13 910**	53	107	3
75/65	**47 07 13 910**	63	127	3
90/80	**47 09 13 910**	76	142	3
110/100	**47 11 13 910**	93	162	3
125/100	**47 12 13 910**	105	162	3
140/125	**47 14 13 910**	117	192	3
160/150	**47 16 13 910**	135	218	3
180/150	**47 18 13 910**	151	218	3
200/200	**47 20 13 910**	168	273	3
225/200	**47 22 13 910**	188	273	3
250/250	**47 25 13 910**	203	328	3
280/250	**47 28 13 910**	233	328	3
315/300	**47 31 13 910**	262	378	3
355/350	**47 35 13 910**	294	435	3
400/400	**47 40 13 910**	331	489	3
450/500	**47 45 13 910**	372	594	3
500/500	**47 50 13 910**	413	594	3
560/600	**47 56 13 910**	451	695	3
630/600	**47 63 13 910**	507	695	3

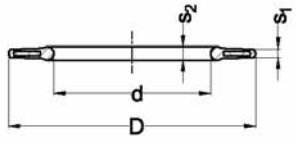
Suitable for flange connections with maximum operating pressure water 10 bar.
For pressure class >10 bar we recommend our profile gaskets.

PE100 pressure fittings

Profile gasket EPDM with steel core

for stub flanges SDR 17





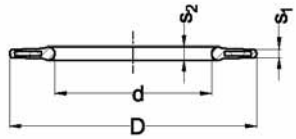
d_e/DN	Art. Nr.	d	D	s_1	s_2
63/50	**47 06 13 610**	58	107	4	5
75/65	**47 07 13 610**	69	127	4	5
90/80	**47 09 13 610**	84	142	4	5
110/100	**47 11 13 610**	100	162	5	6
125/100	**47 12 13 610**	114	162	5	6
140/125	**47 14 13 610**	127	192	5	6
160/150	**47 16 13 610**	146	218	6	8
180/150	**47 18 13 610**	164	218	6	8
200/200	**47 20 13 610**	181	273	6	8
225/200	**47 22 13 610**	203	273	6	8
250/250	**47 25 13 610**	226	328	6	8
280/250	**47 28 13 610**	252	328	6	8
315/300	**47 31 13 610**	283	378	6	8
355/350	**47 35 13 610**	319	435	6	8
400/400	**47 40 13 610**	359	489	6	8
450/500	**47 45 13 610**	403	594	7	10
500/500	**47 50 13 610**	447	594	7	10
560/600	**47 56 13 610**	494	695	7	10
630/600	**47 63 13 610**	555	695	7	10

Suitable for flange connections with maximum operating pressure water 16 bar.
Not allowed for potable water application.
NBR on request.

Profile gasket EPDM with steel core

for stub flanges SDR 11





d_e/DN	Art. Nr.	d	D	s_1	s_2
25/20	**47 02 13 710**	22	61	3	4
32/25	**47 03 13 710**	28	71	3	4
40/32	**47 04 13 710**	34	82	3	4
50/40	**47 05 13 710**	42	92	3	4
63/50	**47 06 13 710**	53	107	4	5
75/65	**47 07 13 710**	63	127	4	5
90/80	**47 09 13 710**	76	142	4	5
110/100	**47 11 13 710**	93	162	5	6
125/100	**47 12 13 710**	105	162	5	6
140/125	**47 14 13 710**	117	192	5	6
160/150	**47 16 13 710**	135	218	6	8
180/150	**47 18 13 710**	151	218	6	8
200/200	**47 20 13 710**	168	273	6	8
225/200	**47 22 13 710**	188	273	6	8
250/250	**47 25 13 710**	208	328	6	8
280/250	**47 28 13 710**	233	328	6	8
315/300	**47 31 13 710**	262	378	6	8
355/350	**47 35 13 710**	294	438	6	8
400/400	**47 40 13 710**	331	489	6	8
450/500	**47 45 13 710**	372	594	7	10
500/500	**47 50 13 710**	413	594	7	10
560/600	**47 56 13 710**	451	695	7	10
630/600	**47 63 13 710**	507	695	7	10

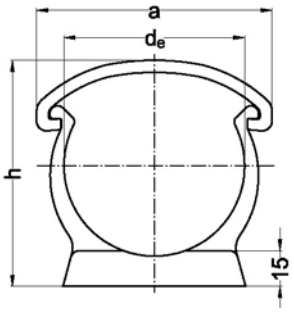
Suitable for flange connections with maximum operating pressure water 16 bar.
Not allowed for potable water application.
NBR on request.

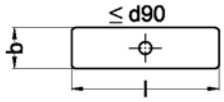
PE100 pressure fittings

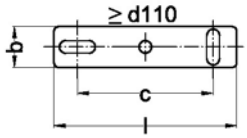
Pipe clip - metric with retaining clip

PP









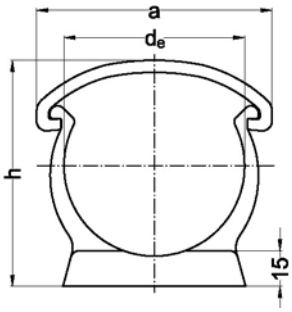
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16	**70 00 01 200**	26	18	33	16	
20	**70 01 01 200**	33	14	38	20	
25	**70 02 01 200**	41	14	44	25	
32	**70 03 01 200**	49	15	51	32	
40	**70 04 01 200**	58	16	60	40	
50	**70 05 01 200**	68	17	71	60	
63	**70 06 01 200**	83	18	34	63	
75	**70 07 01 200**	96	19	97	75	
90	**70 09 01 200**	113	20	113	90	
110	**70 11 01 200**	139	23	134	125	40
125	**70 12 01 200**	158	25	151	140	60
140	**70 14 01 200**	177	27	167	155	70
160	**70 16 01 200**	210	30	190	180	90
180	**70 18 01 200**	237	33	211	200	100

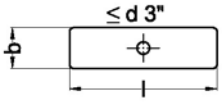
Easy mounting of (plastic) pipe systems indoor to floor, wall or ceiling.
Outdoor mounting with UV degradation restriction.
1 to 3 screws for solid connection to mounting surface.
Unrestricted axial pipe movement (expansion and contraction).
Prevents sideward movement.
Adapts radial expansion at elevated temperature.
No notch effect on pipe.
Colour grey RAL 7037.

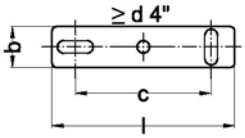
Pipe clip - inches with retaining clip

PP









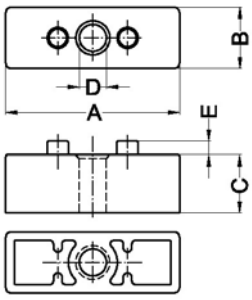
d_e	Art. Nr.	a	b	h	l	c
$^3/_8$"	**70 77 01 200**	26	13	34	16	
½"	**70 78 01 200**	33	14	39	20	
¾"	**70 79 01 200**	41	14	45	25	
1"	**70 80 01 200**	49	15	52	32	
1¼"	**70 81 01 200**	58	16	61	40	
1½	**70 82 01 200**	68	17	67	50	
2"	**70 83 01 200**	83	18	80	63	
2½"	**70 84 01 200**	96	19	96	75	
3"	**70 85 01 200**	118	20	110	90	
4"	**70 86 01 200**	140	25	135	140	60
6"	**70 88 01 200**	197	30	196	180	90

Easy mounting of (plastic) pipe systems indoor to floor, wall or ceiling.
Outdoor mounting with UV degradation restriction.
1 to 3 screws for solid connection to mounting surface.
Unrestricted axial pipe movement (expansion and contraction).
Prevents sideward movement.
Adapts radial expansion at elevated temperature.
No notch effect on pipe.
Colour grey RAL 7037.

PE100 pressure fittings

Distance plate for pipe clip PP





d_e	Art. Nr.	A	B	C	D	E
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40	**70 04 07 200**	41	17	17	8	4
50	**70 05 07 200**	51	18	17	8	4
63	**70 06 07 200**	64	19	22,5	8	4
75	**70 07 07 200**	76	20	34,5	8	4



For alignment of pipe system with FIP valves.
Colour grey RAL 7037.

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