

Flange Adaptor "System 2000" restraint

for PE (PE 80/100) pipes
up to PN 16

No. 0400

Material:

Flange and locking ring:
ductile iron,
epoxy powder coated

Lip seal: Elastomer, suitable
for potable water
(durably lubricated)

Flat gasket: Elastomer

Grip ring: Ms 58
(up to DN 300 Rg7)

Hexagonal bolts: A 2
stainless

For thinwalled PE-pipes (up to 3mm wall thickness) and low internal pressure we recommend using a support liner (see page D2/4).



Flanges to EN 1092-2

The use of lip seals enables the pipe to be pushed in with minimal force.

The flange to flange seal is incorporated onto the flange.

The pipe restraining system is effective separately from the sealing system and is activated by tightening the locking ring.

Assembly: 1. Chamfer the pipe end 30° and moisten, then
a) push the pipe end into the loosely assembled flange until it stops, or
b) push the loose bride onto the pipe end until it stops.

2. Bolt up the locking ring until it stops. This shall be done only after firmly assembling the flange adaptor with the opposing flange.

Flange Adaptor with PE fusion tail

No. 0310

PE 80 / SDR 11 - PN 10
PE 100 / SDR 11 - PN 16

No. 0311

PE 80 / SDR 17.6 - PN 6
PE 100 / SDR 17.6 - PN 10

Material:

Flange:
ductile iron,
epoxy powder coated

PE tail injection moulded
PE 80 (standard)

Melt flow index:
MFR 190/5 kg
MFR group 10 (DIN 8075)
(PE 100 MFR group 05-
DIN 8075)

Support liner: 1.4301

Seals: Elastomer, suitable for
potable water



High performance sealing of the PE tail is assured by two separate O ring seals and a stainless steel support liner within the tail.

The flange can be connected to the PE pipeline by either butt fusion or electrofusion.

for PE pipes according to ÖNORM B 5172, DIN 8074/8075
standard version: PN 10 - DIN 2501

Flange DN	Pipe Ø mm	Flange Adaptor "System 2000"		ISO Pipe Flange		Flange with PE fusion tail	
				equal	reducing	PN 10	PN 6
		No. 0400	No. 5500	No. 5530	No. 0310	No. 0311	
40	40			●	G		
40	50		●	G			
50	50			●	G		
50	63	●	S	●	G	●	S
60	50			●	G		
60	63	●	S		●	G	
60	75	●	S	●	G		
65	63	●	S		●	G	
65	75	●	S	●	G		
80	75	●	S		●	G	
80	90	●	S	●	G	●	S
100	90	●	S		●	G	
100	110	●	S	●	G	●	S
100	125	●	S	●	G	●	S
125	110	●	S		●	G	
125	125	●	S				
125	140	●	S				
150	140	●	S				
150	160	●	S	●	S	●	S
150	180	●	S			●	S
200	200	●	S*			●	S
200	225	●	S*			●	S
250	250	●	S*				
250	280	●	S*				
300	315	●	S*				
300	355	●	S*				
400	400	●	S*				
400	450	●	S*				

Explanation:

* also available in PN 16
S of ductile iron G of grey iron

ISO Pipe Flange Adaptor

No. 5500 equal

No. 5530 reducing

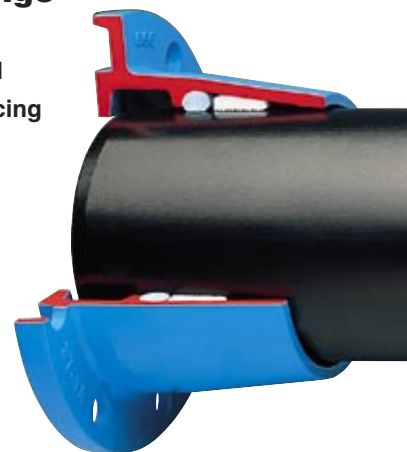
up to PN 16

Material:

Flange:
see above table,
epoxy powder coated

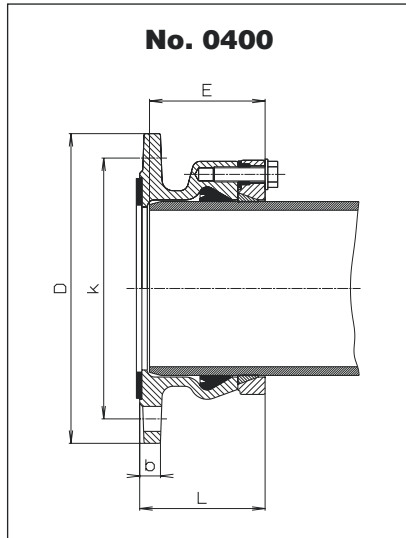
Grip ring: POM

Seal ring: Elastomer,
suitable for potable
water



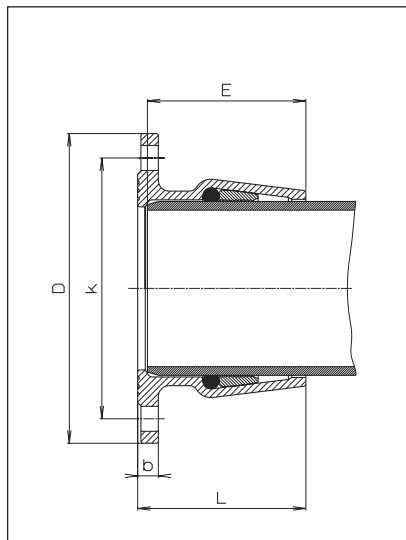
Assembly instructions: chamfer the pipe 30° and moisten,
and push into the socket until it stops.

Flanged Connections for PE pipes, restraint



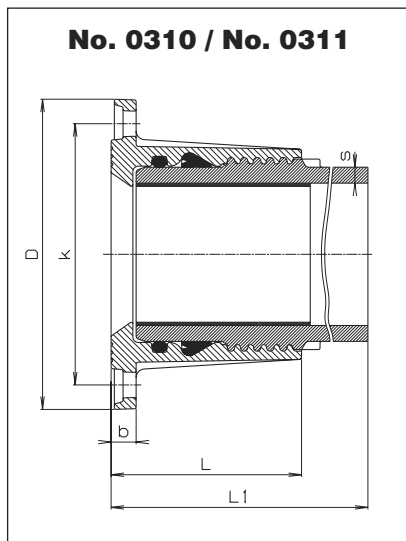
No. 0400 / No. 5500

Flange DN	Pipe Ø mm	D	K	b - No.		~ L (assembled)		E - No.		Bolts		Weight No.	
				0400	5500	0400	5500	0400	5500	Qty.	Thread	0400	5500
40	50	150	112		23		97		93	4	M 16		2,6
50	63	165	125	19	23	90	94	80	80	4	M 16	3,6	3,2
60	63	175	135	19		90		80		4	M 16	3,8	
60	75	175	138	19	24	92	105	82	100	4	M 16	4,0	3,9
65	63	185	145	19		90		80		4	M 16	4,3	
65	75	185	145	19	24	92	105	82	99	4	M 16	4,3	4,0
80	75	200	160	19		92		82		8	M 16	5,0	
80	90	200	160	19	24	95	101	85	96	8	M 16	5,5	4,2
100	90	220	180	19		95		85		8	M 16	6,8	
100	110	220	180	19	25	95	124	85	119	8	M 16	6,2	6,7
100	125	220	180	19	25	97	173	87	162	8	M 16	7,0	8,2
125	110	250	210	19		95		85		8	M 16	7,8	
125	125	250	210	19		97		87		8	M 16	8,2	
125	140	250	210	19		103		93		8	M 16	8,5	
150	140	285	240	19		103		93		8	M 16	11,3	
150	160	285	240	19	19	115	155	105	148	8	M 20	10,5	9,3
150	180	285	240	19		125		115		8	M 20	11,6	
200	200	340	295	20		135		125		8	M 20	18,0	
200	225	340	295	20		138		128		8	M 20	16,0	
250	250	400	350	22		155		145		12	M 20	22,0	
250	280	400	350	22		158		148		12	M 20	29,0	
300	315	455	400	25		184		174		12	M 20	44,0	
300	355	455	400	25		277		237		12	M 20	61,0	
400	400	565	515	25		242		230		16	M 24	97,0	
400	450	565	515	25		302		260		16	M 24	81,0	



No. 5530

Flange DN	Pipe Ø mm	D	K	b	L	E	Bolts		Weight kg
							Qty.	Thread	
40	40	150	110	21	85	80	4	M 16	2,4
50	50	165	125	23	97	93	4	M 16	3,0
60	50	175	135	24	97	94	4	M 16	3,4
60	63	175	135	24	94	90	4	M 16	3,9
65	63	185	145	24	94	90	4	M 16	4,2
80	75	200	160	24	105	100	8	M 16	5,0
100	90	220	180	25	101	96	8	M 16	5,9
125	110	250	210	26	124	119	8	M 16	8,8



No. 0310 / No. 0311

Flange DN	Pipe Ø mm	D	K	b	L	L 1	s		Bolts		Weight kg
							(PN 6)*	(PN 10)*	Qty.	Thread	
50	63	165	125	19	106	291	3,6	5,8	4	M 16	4,0
80	90	200	160	20	125	305	5,1	8,2	8	M 16	6,7
100	110	220	180	21	142	327	6,3	10,0	8	M 16	9,3
100	125	220	180	19	190	373	7,1	11,4	8	M 16	12,4
150	160	285	240	23	175	358	9,1	14,6	8	M 20	16,0
150	180	285	240	19	260	437	10,2	16,4	8	M 20	23,0
200	200	340	295	20	210	403	11,4	18,3	8	M 20	28,0
200	225	340	295	20	210	403	12,8	20,5	8	M 20	28,0

*SDR 17.6 *SDR 11