Flange Adaptor
SYSTEM 2000

total restraint

for PE pipes up to PN 10

No. 0405

Material:

Flange, locking ring and O ring holder: ductile iron EN-GJS-400 EN 1563 epoxy powder coated

Lip seal: elastomer - DIN 3535

O ring: elastomer - DIN 3535

Flat gasket: elastomer - DIN 3535

Grip ring: Ms 58 (DN 300 Rg7)

Hexagonal bolts: A 2

Flanges to EN 1092-2

Use a support liner! (see page D 3/1)

The pipe is sealed with two separate sealing components, a lip seal, and an O ring which is compressed by tightening the lock ring.

Due to the combination of these sealing components, only a low pipe insertion force is required. The seal for the counter flange is held within the System 2000 flange.

The pipe restraining system is separated from the sealing system and is activated by tightening the lock ring.

Assembly instructions see "page J 1/1"

Tensile load see "page J 1/2"

for GAS
according to EN 437

Flange DN	Pipe Ø mm	Flange Adaptor "System 2000" Order no. 0405	Flange with PE fusion tail Order no. 0315	Order no. 0316
50	63	●	●	●
60	63	●		
60	75	●		
65	63	●		
65	75	●		
80	75	●		
80	90	●	●	●
100	90	●		
100	110	●	●	●
100	125	●	●	●
125	110	●		
125	125	●		
125	140	●		
150	140	●		
150	160	●	●	●
150	180	●	●	●
200	200	●	●	●
200	225	●	●	●
250	250	●		
250	280	●		
300	315	●		

for PE pipes according to ÖNORM B 5192, DIN 8074/8075
Standard version: drilled to PN 10 - DIN 2501

Flange Adaptor with PE fusion tail

No. 0315
PE 80 / SDR 11 - PN 4
PE 100 / SDR 11 - PN 10

No. 0316 - PN 1
PE 80 / SDR 17.6 - PN 1
PE 100 / SDR 17.6 - PN 6

DVGW (deutscher Verein des Gas- und Wasserfaches e.V.) tested in accordance with VP 600

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.

Material:

Flange: ductile iron EN-GJS-400 EN 1563 epoxy powder coated

PE tail injection moulded PE 80 (standard),
melt flow index: MFR 190/5 kg
MFR group 010 (DIN 8075)
(PE 100 MFR group 05-DIN 8075)

support liner: 1.4301
seals: elastomer - DIN 3535

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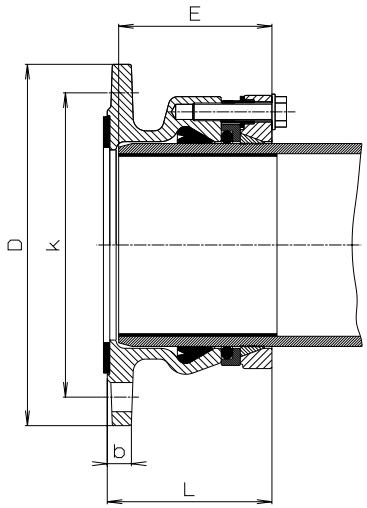
Flanged Connections for PE Pipes

Flange Adaptor SYSTEM 2000

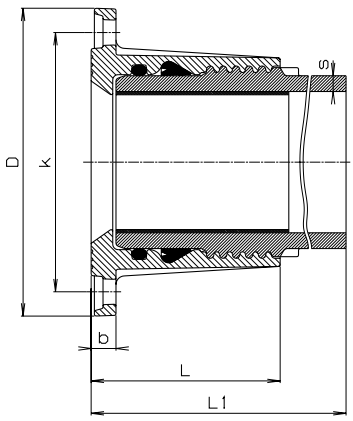
No. 0405



Flange DN	Pipe Ø mm	D	k	b	L	E	Bolts		Weight kg
							Qty.	Thread	
50	**63**	165	125	19	102	92	4	M 16	3,8
60	**63**	175	135	19	104	94	4	M 16	4,1
60	**75**	175	138	19	105	95	4	M 16	4,4
65	**63**	185	145	19	102	92	4	M 16	4,7
65	**75**	185	145	19	105	95	4	M 16	4,6
80	**75**	200	160	19	105	95	8	M 16	5,5
80	**90**	200	160	19	108	98	8	M 16	6,0
100	**90**	220	180	19	108	98	8	M 16	7,2
100	**110**	220	180	19	107	97	8	M 16	6,5
100	**125**	220	180	19	112	102	8	M 16	7,5
125	**110**	250	210	19	107	97	8	M 16	8,2
125	**125**	250	210	19	112	102	8	M 16	8,7
125	**140**	250	210	19	118	108	8	M 16	9,1
150	**140**	285	240	19	118	108	8	M 16	12,0
150	**160**	285	240	19	132	122	8	M 20	11,5
150	**180**	285	240	19	140	130	8	M 20	12,5
200	**200**	340	295	20	152	142	8	M 20	19,0
200	**225**	340	295	20	158	148	8	M 20	17,0
250	**250**	400	350	22	175	165	12	M 20	24,0
250	**280**	400	350	22	178	168	12	M 20	31,0
300	**315**	455	400	25	206	196	12	M 20	46,0

Flange with PE fusion tail

No. 0315 / No. 0316



Flange DN	Pipe Ø mm	D	k	b	L	L 1	s		Bolts		Weight kg
							(PN 1)*	(PN 4)**	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