

DEDICATED FLANGE ADAPTORS

PRODUCT FEATURES

KLAMFLEX Dedicated Flange Adaptors are manufactured to join plain-ended pipe to flanged valves, fittings and pipes, obviating difficulties usually experienced with rigid connections.

KLAMFLEX Dedicated Flange Adaptors are supplied to suit the pressure rating of the flange. The overall pressure rating of the assembled adaptor will be equal to that of the lower rated component, either pipe or flange. KLAMFLEX Restraint Flange Adaptors can also be supplied where end pull out is of concern. When ordering KLAMFLEX Dedicated Flange Adaptors the following information is required to avoid the possibility of error in flange selections:

Pipe outside diameter

Nominal bore of the flanged fitting

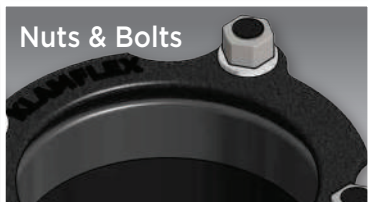
Table drilling with standard applicable

The thickness of KLAMFLEX Flanges will not necessarily be the same as the mating flange due to the fact that the flange of the Flange Adaptor will not be subject to the full end or side thrust. Flanges and Flange Adaptors will not be subject to the full end or side thrust, most of which is absorbed by the flexibility in the rubber gaskets. Refer to column "T" below.

KLAMFLEX Flange Adaptors can be manufactured with full sleeves to prevent end pullout on PE, HDPE and GRP pipes.

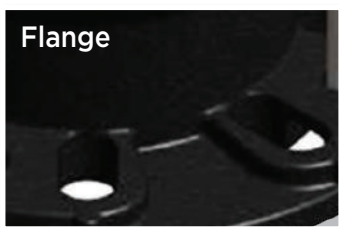


Nuts & Bolts

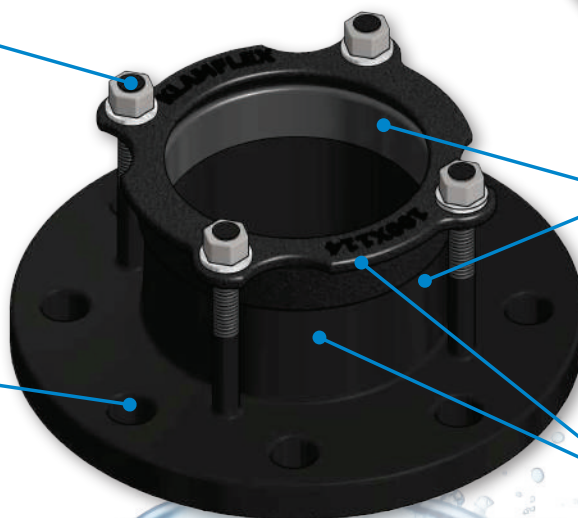


Galvanised low carbon steel bolts and nuts (Stainless Steel on request). Studs 304 Stainless Steel (316 Stainless Steel on request).

Flange



Flange drilling according to international standards: SANS, BS EN, ASME, AWWA and others.

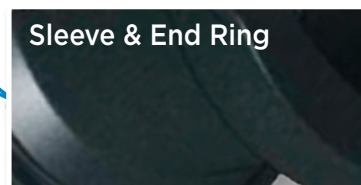


Rubber & Coating



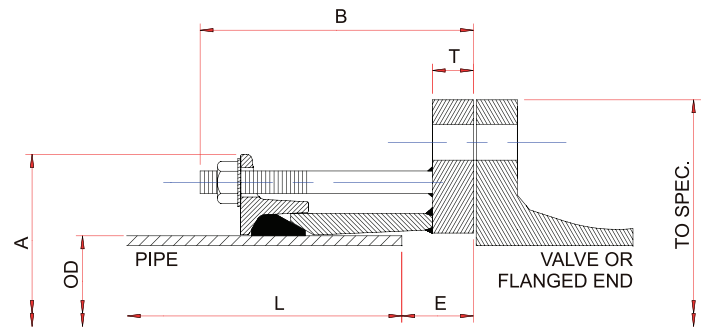
Non-toxic WRAS approved EPDM rubber - Non-Toxic.

Sleeve & End Ring



Ductile Iron or Steel.

DEDICATED FLANGE ADAPTORS FOR STEEL PIPES



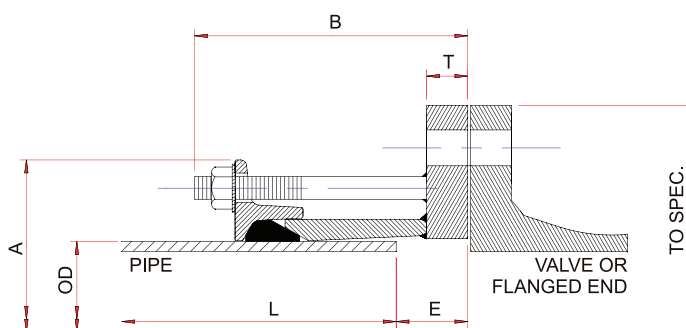
Nominal Bore (mm)	Pipe OD (mm)	Tolerance on Pipe OD for Prepared Ends		End Ring OD (A)	Flange Thickness (Adaptor) (T)		Adaptor Length (B)		Setting Gap (E)	Approx. Mass (kg)
		Max (mm)	Min (mm)		10/16 Bar	25/40 Bar	10/16 Bar	25/40 Bar		
50	60.3	0.8	0.8	134	10	14	100	104	14	3
65	76.1	0.8	0.8	150	10	14	100	104	19	3
80	88.9	0.8	0.8	158	18	18	100	104	19	4
100	114.3	0.8	0.8	174	19	18	100	104	19	5
125	139.7	1.6	0.8	220	14	18	104	108	19	7
150	165.7	1.6	0.8	246	20	18	104	108	19	8
150	168.3	1.6	0.8	246	14	18	104	108	19	8
200	219.1	1.6	0.8	308	20	23	108	113	19	10
225	244.5	1.6	0.8	338	18	23	108	113	19	14
250	267	1.6	0.8	360	18	23/28	108	113/118	19	16
250	273	1.6	0.8	364	22	23/28	108	113/118	19	15
300	323.9	1.6	0.8	414	26	23/28	108	113/118	19	17
350	355.6	1.6	1.6	458	23	28	163	168	38	34
400	406.4	1.6	1.6	509	23	28	163	168	38	40
450	457	1.6	1.6	559	23	28	163	168	38	46
500	508	1.6	1.6	610	23	28/30	163	168/170	38	56
550	559	1.6	1.6	661	23	28/30	163	168/170	38	TBA
600	609.6	1.6	1.6	712	23	28/38	163	168/178	38	71
650	660	1.6	1.6	762	23	28/38	163	168/178	38	TBA
700	711.2	1.6	1.6	814	23	28/38	163	168/178	38	72
750	762	1.6	1.6	864	23	28/38	163	168/178	38	TBA
800	812.8	1.6	1.6	915	23	28/38	163	168/178	38	84
850	864	1.6	1.6	966	23	28/38	163	168/178	38	TBA
900	914.4	1.6	1.6	1017	23	28/38	163	168/178	38	90
950	965	1.6	1.6	1067	23	28/38	165	178	38	TBA
1000	1016	1.6	1.6	1118	28	38	168	178	38	119
1050	1067	1.6	1.6	1169	30/38	38/48	170/178	178/188	38	TBA
1100	1118	1.6	1.6	1220	30/38	38/48	170/178	178/188	38	TBA
1200	1219	1.6	1.6	1335	30/38	38/48	170/178	178/188	38	198
1200	1235	1.6	1.6	1351	30/38	38/48	178	178/188	38	TBA
1400	1420	1.6	3.0	1536	30/38	48/57	170/178	188/197	38	276
1400	1422	1.6	3.0	1538	30/38	48/57	170/178	188/197	38	TBA
1500	1520	1.6	3.0	1636	50/60	SPECIAL	190/200	SPECIAL	38	439
1600	1620	3.0	3.0	1736	50/60	SPECIAL	200	SPECIAL	38	494
1600	1626	3.0	3.0	1742	50/60	SPECIAL	200	SPECIAL	38	TBA
1800	1820	3.0	3.0	1936	60	SPECIAL	290	SPECIAL	38	TBA
1800	1829	3.0	3.0	1945	60	SPECIAL	290	SPECIAL	38	TBA
2000	2032	3.0	3.0	2146	60	SPECIAL	290	SPECIAL	38	TBA
2200	2232	3.0	3.0	2346	60/80	SPECIAL	300	SPECIAL	38	TBA
2400	2432	3.0	3.0	3546	100	SPECIAL	310	SPECIAL	38	TBA

Note: DN80 to DN2400 – PN10 and PN16
DN50 to DN1000 – PN25 and PN40

Klamflex products are not limited to size, pressures, or standard indicated in the table above. For OD sizes, larger sizes, higher pressures or different standards, please contact Klamflex Representatives.

DEDICATED FLANGE ADAPTORS FOR DUCTILE IRON

Ductile Iron Pipe ISO 2531 BS 4772



Nominal Bore (mm)	Pipe OD (mm)	Tolerance on Pipe OD for Prepared Ends		End Ring OD (A)	Flange Thickness (Adaptor) (T)		Adaptor Length (B)		Setting Gap (E)	Approx. Mass (kg)
		Max (mm)	Min (mm)		10/16 Bar	25/40 Bar	10/16 Bar	25/40 Bar		
80	98	1.0	-3.0	158	10	14	100	104	19	4
100	118	1.0	-3.0	200	19	18	100	104/108	19	5
125	144	1.0	-3.0	220	14	18	104	108	19	7
150	170	1.0	-3.0	260	14	18	104	108	19	8
200	222	1.0	-3.5	308	20	23	108	113	19	10
250	274	1.0	-3.5	364	22	23/28	108	113/118	19	15
300	326	1.0	-3.5	414	26	23/28	108	113/118	19	17
350	378	1.0	-3.5	480	23	28	163	168	38	34
400	429	1.0	-4.0	531	23	28	163	168	38	40
450	480	1.0	-4.0	582	23	28	163	168	38	46
500	532	1.0	-4.0	634	23	28/30	163	168/170	38	56
600	635	1.0	-4.5	737	23	28/38	163	168/178	38	71
700	738	1.0	-4.5	840	23	28/38	163	168/178	38	72
800	842	1.0	-4.5	944	23	28/38	163	168/178	38	84
900	945	1.0	-5.0	1047	23	28/38	163	168/178	38	90
1000	1048	1.0	-5.0	1150	28	38	168	178	38	119
1100	1152	1.0	-6.0	1268	30/38	38/48	170	178	38	TBA
1200	1255	1.0	-6.0	1371	30/38	38/48	170/178	178/188	38	198
1400	1462	1.0	-6.0	1578	30/38	48/57	170/178	188/197	38	276
1600	1668	1.0	-6.0	1784	50/60	SPECIAL	290	SPECIAL	38	494
1800	1875	1.0	-6.0	1989	60	SPECIAL	290	SPECIAL	38	TBA
2000	2082	1.0	-6.0	2196	60	SPECIAL	290	SPECIAL	38	TBA
2200	2288	1.0	-6.0	2402	60/80	SPECIAL	300	SPECIAL	38	TBA
2400	2495	1.0	-6.0	2609	100	SPECIAL	310	SPECIAL	38	TBA

Note: DN80 to DN2400 – PN10 and PN16
DN50 to DN1000 – PN25 and PN40

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