

DISMANTLING JOINTS

PRODUCT FEATURES

Manufactured to AWWA C219 under quality management systems accredited to ISO 9001:2000, the KLAMFLEX Dismantling Joint assembly is a double flanged composite fitting featuring a telescopic action between a flanged spigot and a flange adaptor.

The joint is designed to provide longitudinal adjustment in flanged pipe systems. Dismantling Joints provide a simple method for the installation and removal of flanged valves, pumps, flow meters, flanged pipes and pipe fittings.

Tie rods are provided for final anchoring and location and these also double as mating flange jointing bolts, reducing the number of these required.

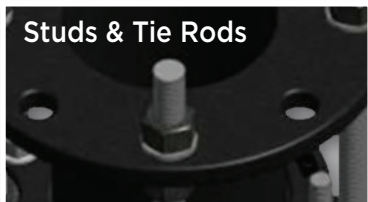
The Dismantling Joint range from KLAMFLEX extends from 50mm to 3000mm and whilst the chart indicates flange ratings of PN10/16, all common drillings are available in pressures up to 40 BAR. The range indicated overleaf is typical and KLAMFLEX can manufacture to specific customer specifications and dimensions on request.

Thickness of KLAMFLEX Flanges will not necessarily be the same as the mating flange. Flanges and Flange Adaptors will not be subject to full end or side thrust, most of which is absorbed by the flexibility in the rubber gaskets. Pipe end should be smooth, with no seams, score marks, dents or ovality.

Installation is extremely simple and is generally done with the flange adaptor end connected to the valve or other appurtenance. In cases where a full faced flange is required, for example on wafer butterfly valves, the joint is simply turned round to use the spigot flange instead.



Studs & Tie Rods



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

Flange



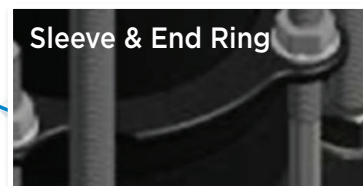
Flange drilling according to international standards: SANS, BS EN, ASME, AWWA and others.

Rubber & Coating

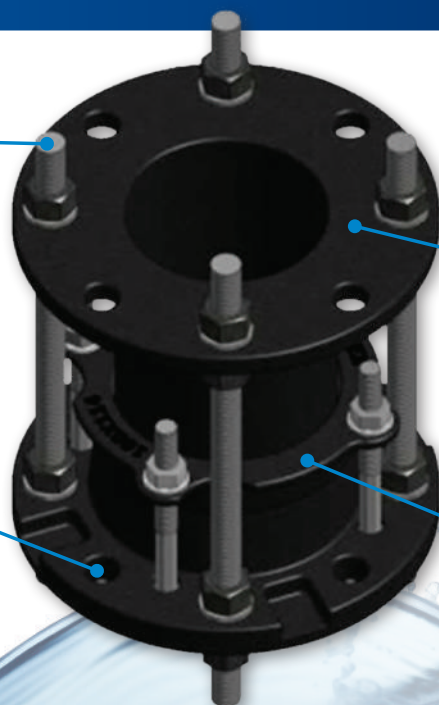


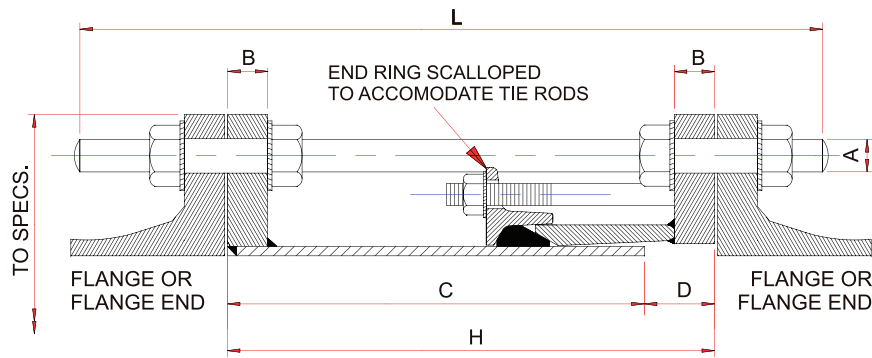
Non-toxic WRAS approved EPDM rubber - Non-Toxic.

Sleeve & End Ring



Ductile Iron or Steel.





FLANGE DETAILS				FLANGE TO FLANGE DETAILS					TIE ROD DETAILS		
Nominal Bore (mm)	Flange Rating (PN)	Spigot Pipe OD (mm)	Spigot Pipe Wall Thickness (mm)	Spigot Length Including Flange (C)	Adaptor & Spigot Flange Thickness (Bar Rating) 10/16/25/40 (B)	Min Length of Joint (H)	Nominal Length (H)	Max Length of Joint (H)	Tie Rod QTY	Tie Rod Size & Length (A)	Approx. Mass (KG)
50	10/16/25/40	60	3.2	165	10/10/14/14	165	185	205	4	M16x300	9
65	10/16/25/40	76	3.2	165	10/10/14/14	165	185	205	4	M16x300	10
80	10/16/25/40	89	3.5	165	10/10/14/14	165	185	205	4	M16x300	12
100	10/16	114	3.9	165	12	165	185	205	4	M16x300	13
100	25/40	114	3.9	165	18	165	185	205	4	M20x320	14
125	10/16	140	3.9	165	14	165	185	205	4	M16x300	16
125	25/40	140	4.2	175	18	175	195	215	4	M24x350	18
150	10/16	165	4.2	165	14	165	185	205	4	M20x320	23
150	25/40	165	4.2	175	18	175	195	215	4	M24x350	28
200	10/16	219	4.5	165	18	165	185	205	4	M20x320	32
200	25	219	4.5	175	23	175	195	215	4	M24x350	37
200	40	219	4.5	185	23	185	205	225	4	M27x370	41
200	4000/3	219	4.5	185	23	185	205	225	4	M24x350	40
250	10	273	4.5	175	18	175	195	215	4	M20x320	34
250	16	273	4.5	175	18	175	195	215	4	M24x350	38
250	25	273	4.5	185	23	185	205	225	4	M27x370	45
250	2500/3	273	4.5	185	23	185	205	225	4	M24x350	45
250	40	273	4.5	195	28	195	215	235	4	M30x420	49
300	10	324	4.5	175	18	175	195	215	4	M20x320	43
300	16	324	4.5	175	18	175	195	215	4	M24x350	44
300	25	324	4.5	185	23	185	205	225	4	M27x370	50
300	2500/3	324	4.5	185	23	185	205	225	4	M24x350	50
300	40	324	6	260	28	260	280	300	4	M30x500	60
350	10	356	4.5	255	23	255	275	295	4	M20x420	49
350	16	356	4.5	255	23	255	275	295	4	M24x450	71
350	25	356	4.5	255	28	255	275	295	4	M30x500	79
350	2500/3	356	4.5	255	28	255	275	295	4	M30x500	79
350	40	356	6	280	28	280	300	320	4	M33x520	86
350	4000/3	356	6	280	28	280	300	320	4	M30x520	86
400	10	406	4.5	250	23	250	275	300	4	M24x450	86
400	16	406	4.5	250	23	250	275	300	4	M27x470	88
400	1600/3	406	4.5	250	23	250	275	300	4	M24x450	88

For Diameters and pressure ratings not listed in the product manual, please contact Klamflex.

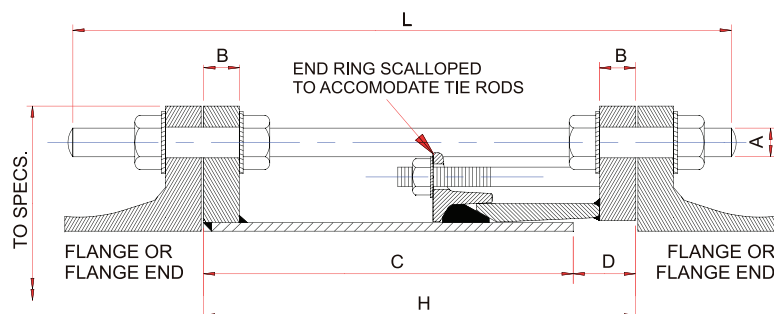
Tie rod lengths are calculated based on steel flange thicknesses. Quantity of tie rods may vary depending on grade of tie rod materials.

Klamflex 3-Flange dismantling joint design with tie bolts in all bolt holes – Available on request.

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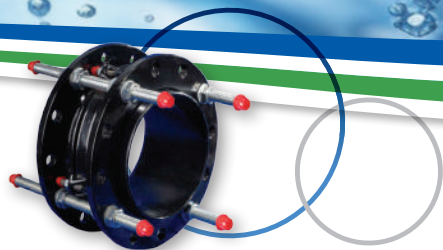
FLANGE DETAILS				FLANGE TO FLANGE DETAILS					TIE ROD DETAILS		
Nominal Bore (mm)	Flange Rating (PN)	Spigot Pipe OD (mm)	Spigot Pipe Wall Thickness (mm)	Spigot Length Including Flange (C)	Adaptor & Spigot Flange Thickness (Bar Rating) 10/16/25/40 (B)	Min Length of Joint (H)	Nominal Length (H)	Max Length of Joint (H)	Tie Rod QTY	Tie Rod Size & Length (A)	Approx. Mass (KG)
400	25	406	4.5	265	28	265	290	315	4	M33x520	96
400	2500/3	406	4.5	265	28	265	290	315	4	M30x500	96
400	40	406	6	300	28	300	325	350	4	M36x600	107
400	4000/3	406	6	295	28	295	320	345	4	M36x600	107
450	10	457	4.5	250	23	250	275	300	4	M24x450	95
450	16	457	4.5	250	23	250	275	300	4	M27x470	99
450	1600/3	457	4.5	250	23	250	275	300	4	M24x450	99
450	25	457	4.5	275	28	275	300	325	5	M33x520	111
450	2500/3	457	4.5	275	28	275	300	325	5	M30x520	111
450	40	457	6	305	28	305	330	355	5	M36x600	120
450	4000/3	457	6	305	28	305	330	355	5	M36x600	120
500	10	508	4.5	250	23	250	275	300	4	M24x450	111
500	16	508	4.5	250	23	250	275	300	4	M30x500	131
500	25	508	6	280	28	280	305	330	5	M33x520	143
500	2500/3	508	6	280	28	280	305	330	5	M30x520	143
500	40	508	8	325	30	325	350	375	5	M39x650	154
500	4000/3	508	8	325	30	325	350	375	5	M36x600	154
600	10	610	4.5	250	23	250	275	300	4	M27x470	135
600	1000/3	610	4.5	250	23	250	275	300	4	M24x450	135
600	16	610	4.5	250	23	250	275	300	4	M33x520	175
600	1600/3	610	4.5	250	23	250	275	300	4	M30x500	175
600	25	610	6	300	28	300	325	350	5	M36x600	205
600	40	610	10	350	38	350	375	400	5	M45x700	248
600	4000/3	610	10	350	38	350	375	400	5	M45x700	249
700	10	711	6	250	23	250	275	300	4	M27x470	168
700	1000/3	711	6	250	23	250	275	300	4	M24x450	184
700	16	711	6	250	23	250	275	300	4	M33x520	184
700	1600/3	711	6	250	23	250	275	300	4	M30x500	210
700	25	711	8	320	28	320	345	370	6	M39x650	210
700	40	711	10	350	38	350	375	400	8	M45x700	260
800	10	813	6	250	23	250	275	300	6	M30x500	203
800	16	813	6	250	23	250	275	300	6	M36x550	222
800	25	813	8	330	28	330	355	380	6	M45x700	243
800	2500/3	813	8	330	28	330	355	380	6	M45x700	243
800	40	813	12	350	38	350	375	400	8	M52x750	296
900	10	914	6	250	23	250	275	300	7	M30x500	225
900	16	914	6	250	23	250	275	300	7	M36x550	245
900	25	914	10	340	28	340	365	390	7	M45x700	298
900	2500/3	914	10	340	28	340	365	390	7	M45x700	299
900	40	914	16	350	38	350	375	400	7	M52x800	342
900	4000/3	914	16	355	38	355	380	405	7	M52x800	342

For Diameters and pressure ratings not listed in the product manual, please contact Klamflex.

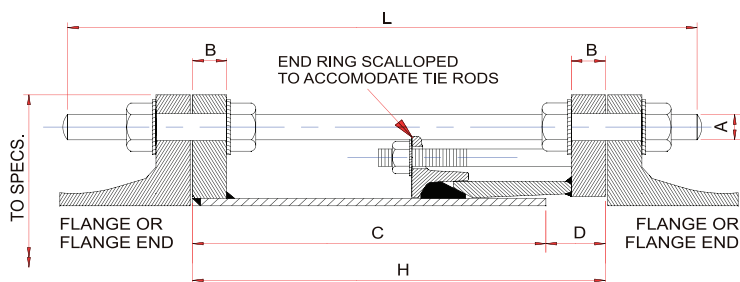
Tie rod lengths are calculated based on steel flange thicknesses. Quantity of tie rods may vary depending on grade of tie rod materials.

Klamflex 3-Flange dismantling joint design with tie bolts in all bolt holes – Available on request.

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Nominal Bore (mm)	Flange Rating (PN)	Spigot Pipe OD (mm)	Spigot Pipe Wall Thickness (mm)	Spigot Length Including Flange (C)	Adaptor & Spigot Flange Thickness (Bar Rating) 10/16/25/40 (B)	Min Length of Joint (H)	Nominal Length (H)	Max Length of Joint (H)	Tie Rod QTY	Tie Rod Size & Length (A)	Approx. Mass (KG)
1000	10	1016	6	260	28	260	290	320	7	M33x550	298
1000	1000/3	1016	6	260	28	260	290	320	7	M30x550	298
1000	16	1016	6	260	28	260	290	320	7	M39x600	331
1000	1600/3	1016	6	260	28	260	290	320	7	M36x600	331
1000	25	1016	10	350	38	350	380	410	7	M52x750	376
1000	40	1016	16	350	38	350	380	410	7	M52x800	485
1200	10	1219	8	280	30	280	310	340	8	M36x600	496
1200	16	1219	8	280	38	280	310	340	8	M45x650	559
1200	1600/3	1219	8	280	38	280	310	340	8	M42x650	560
1200	25	1219	12	390	38	390	420	450	8	M52x800	635
1200	40	1219	20	390	48	390	420	450	8	M56x900	810
1400	10	1422	8	310	30	310	340	370	9	M39x650	610
1400	16	1422	10	310	38	310	340	370	9	M45x700	665
1400	25	1422	12	450	48	450	480	510	9	M56x950	710
1400	40	1422	20	450	57	450	480	510	12	M56x1000	1050
1500	10	1524	10	350	50	350	380	410	9	M39x700	1250
1500	16	1524	10	350	60	350	380	410	9	M52x800	1320
1500	25	1524	12	450	60	450	480	510	9	M56x950	1370
1600	10	1626	10	350	50	350	380	410	10	M45x750	1250
1600	16	1626	10	350	60	350	380	410	10	M52x800	1320
1600	25	1626	16	450	60	450	480	510	10	M56x1000	1520
1600	40	1626	20	450	60	450	480	510	10	M56x1000	1520
1800	10	1829	10	350	60	350	380	410	11	M45x750	1300
1800	16	1829	12	350	60	350	380	410	11	M52x800	1300
1800	25	1829	20	450	60	450	480	510	11	M64x1000	1550
2000	10	2032	12	350	60	350	380	410	12	M45x800	1490
2000	16	2032	12	350	60	350	380	410	12	M56x850	1490
2100	10	2134	12	370	60	370	400	430	13	M52x850	TBA
2100	16	2134	12	370	80	370	400	430	13	M56x950	TBA
2200	10	2230	12	380	60	380	410	440	13	M52x850	TBA
2200	16	2230	16	380	80	380	410	440	13	M56x950	TBA
2400	10	2430	12	400	100	400	430	460	14	M52x900	TBA
2400	16	2430	16	400	100	400	430	460	14	M56x950	TBA

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