

RANGER FLANGE ADAPTORS

PRODUCT FEATURES

KLAMFLEX Ranger Flange Adaptors are designed to join pipe of various outside diameters with flanged equipment of various drilling tables. Because of the wide range tolerance on OD a single KLAMFLEX Ranger Flange Adaptor can connect steel, ductile iron, UPVC, cast iron, asbestos cement and other rigid pipe materials to the mating flange. This eliminates on site guesswork and stock range holdings are optimized.

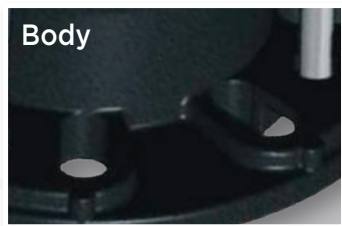
Molded, circumferentially ribbed or specially profiled gaskets, generally in EPDM or NBR materials, provided for smooth installation by minimizing contact friction, KLAMFLEX Ranger Flange Adaptor Gaskets are designed to provide a leak tight seal across the OD range per nominal size and still allow for thermal expansion and contraction of the pipe up to 5mm per gasket, facilitated through gasket deformation.

To facilitate installation and avoid possible creep under rising load, it is strongly recommended that the KLAMFLEX Ranger Flange Adaptor Rubber Sealing Gaskets are well lubricated with a suitable non-toxic soap solution before the introduction of the pipe. This practice should obviate the need for re-tightening the fasteners after pressure testing, and further facilitate the seating of the joint components, KLAMFLEX Ranger Flange Adaptors can be manufactured with full sleeves to prevent end pull-out on PE, HDPE and GRP pipes.



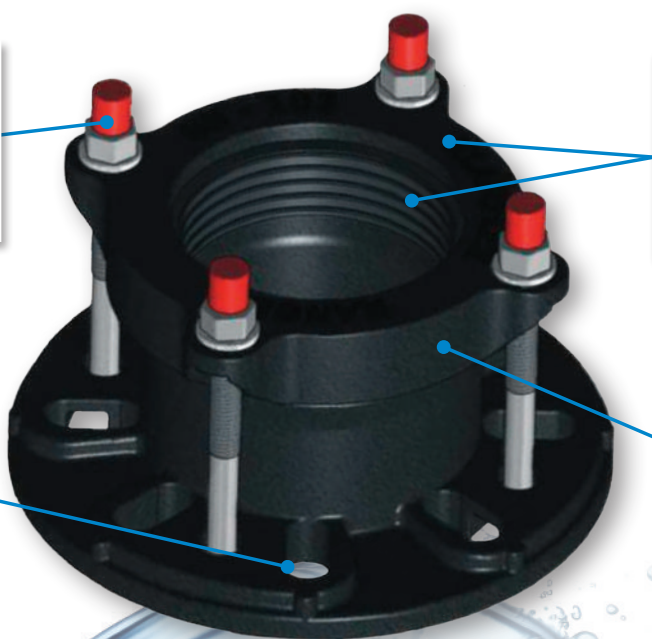
Nuts & Bolts

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



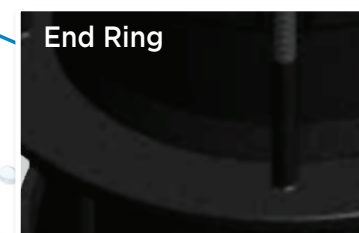
Body

Multi drilling to accommodate a large range of Flanges SANS, BS EN, ASME, AWWA and others.



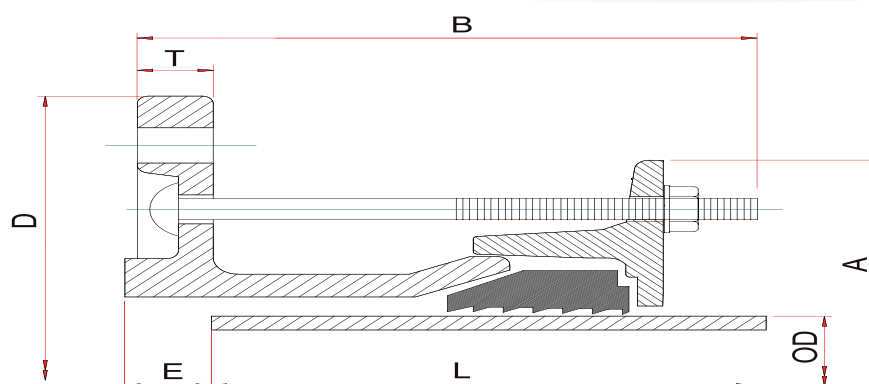
Rubber & Coating

Non-toxic WRAS approved (EPDM rubber - Non-Toxic and FBE to 300 micron coating).



End Ring

Ductile iron



Nominal Bore (mm)	Pipe OD (mm)	End Ring Diameter (A)	Flange Thickness (T)	Flange Adaptor Length (B)	Setting Gap (E)	Min. Pipe Prep. Length (L)	Bolting	Approx Mass (kg)
50	48-60 (7)	160	10	130	19	100	2 x M12x120	3
50	59-78 (7)	160	10	130	19	100	2 x M12x120	3
65	72-85 (4)	170	10	130	19	100	2 x M12x120	4
80	88-103 (1)	191	10	135	19	100	4 x M12x120	5
100	98-118 (7)	206	10	135	19	100	4 x M12x120	5
100	109 - 129 (7)	220	10	135	19	100	4 x M12x120	5
125	132 - 146 (1)	234	14	135	19	100	4 x M12x120	7
150	150-170 (4)	260	14	135	19	100	4 x M12x120	8
150	159-182 (4)	283	14	135	19	100	4 x M12x120	8
200	192-210 (4)	315	18	135	19	100	4 x M12x120	9
200	218-235 (4)	330	18	135	19	100	4 x M12x120	10
250	235-252 (2)	342	18	135	19	100	4 x M12x150	12
250	242-262 (2)	355	18	135	19	100	6 x M12x150	12
250	272-289 (2)	412	18	140	19	100	6 x M12x150	16
300	302-318 (6)	436	18	145	19	100	6 x M12x150	22
300	315-332 (6)	450	18	145	19	100	6 x M12x150	22
350	340-360 (2)	470	23	165	19	100	8 x M14x180	29
350	374-391 (2)	510	23	165	19	150	8 x M14x180	25
400	390-410 (2)	530	23	185	19	150	8 x M14x190	27
400	417-437 (2)	565	23	185	19	150	8 x M14x190	29
450	440-460 (2)	580	23	185	19	150	8 x M14x190	33
450	476-493 (2)	625	23	185	19	150	10 x M14x180	33
500	494-510 (3)	635	23	185	19	150	10 x M14x160	36
500	526-546 (3)	660	23	205	19	150	10 x M14x180	41
600	600-614 (3)	730	23	205	19	150	10 x M14x180	47
600	608-636 (3)	730	23	225	19	150	10 x M14x180	50
600	630-650 (3)	780	23	205	19	150	10 x M14x180	51

Max working pressure: 16 bar

Setting Gap: 14 – 19mm

Tolerance on angular deflection: 3 Degrees

Expansion and Contraction range: 0-5mm

Recommended bolt torque: 60 – 80 Nm

For Flange Adaptors above 25 & 40 Bar working pressure please refer to Dedicated Flanged Adaptors

All Ranger Flange Adaptors are multi-drilled as follows:

(Refer to numerical identification of below for above product)

- (1) BS10, Table D, E, & F, ANSI150, BS4505 10/3, 16/3, BS EN1092 10/3, 16/3
- (2) BS4505 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123, 1000/3, 1600/3
- (3) ANSI150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123, 1000/3, 1600/3
- (4) BS10, Table D, E, ANSI150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3
- (5) BS4504 16/3, BS EN1092 16/3, SABS1123: 600/3, 1000/3, 1600/3
- (6) BS10, Table D, E, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3
- (7) BS10, Table D, E, ANSI150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3
- (8) BS4504 10/3, 16/3, BS EN1092 10/3, 16/3