

# RANGER FLANGE ADAPTORS

- KLAMFLEX Ranger Flange Adaptors, are designed to join pipes of various outside diameters with the same or different nominal bore. The ability of KLAMFLEX Ranger Flange Adaptors to join dissimilar pipe materials is a bonus feature in both repair or permanent situations.
- Corrosion protection for KLAMFLEX Ranger Flange Adaptor Products is available in Fusion Bonded Epoxy, Red Oxide Primer and Galvanised finish as standard. Optional coatings to customer specifications are available on request.
- KLAMFLEX Ranger Flange Adaptors have application in the reticulation of potable water, waste water and sewage as well as in the marine, mining, oil, gas and general engineering sectors.
- Moulded, circumferentially ribbed or specially profiled gaskets, generally in EPDM or NBR materials, provide for smooth installation by minimising contact friction.
- KLAMFLEX Ranger Gaskets are designed to provide a leak tight seal across the O.D. 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 Rubber Sealing Gaskets are well lubricated with a suitable non toxic soap solution before the introduction of the pipe.



## KLAMFLEX RANGER FLANGE ADAPTOR

NOM. BORE (mm/inch)	PIPE O.D. RANGE (mm)	APPROX MASS (kg)	FLANGE DRILLING COMPATIBILITY
50/2	59-72	3.4	50mm: BS 10 Table D,E, & F: ANSI 150: BS4504: 6/3, 10/3, 16/3. SABS 1123: 600/3, 1000/3, 1600/3
65/2.5	72-85	3.8	65mm: BS 10 Table F: BS4504:10/3, 16/3: SABS 1123:1000/3, 1600/3
80/3	88-103	5.4	80mm: BS 10 Table D,E, & F: ANSI 150: BS4504: 6/3, 10/3, 16/3. SABS 1123: 600/3, 1000/3, 1600/3
100/4	109-128	5.4	100mm: BS 10 Table D,E, & F: ANSI 150: BS4504:10/3, 16/3. SABS 1123: 1000/3, 1600/3
125/5	138-153	6.8	125mm: BS 10 Table D,E, & F: ANSI 150: BS4504: 6/3, 10/3, 16/3. SABS 1123: 600/3, 1000/3, 1600/3.
150/6	159-182	8	150mm: BS 10 Table D & E: ANSI 150: BS4504: 10/3, 16/3. SABS 1123: 1000/3, 1600/3.
175/7	192-210	9	200mm: BS 10 Table D & E: ANSI 150: BS4504: 10/3, 16/3. SABS 1123: 1000/3, 1600/3.
200/8	218-235	9.8	200mm: BS 10 Table D & E: ANSI 150: BS4504: 10/3, 16/3. SABS 1123: 1000/3, 1600/3.
250/10	250-267 272-289	16.2 15.2	250mm: BS 10 Table E: BS4504: 10/3, 16/3. SABS 1123: 1000/3, 1600/3.
300/12	315-332	22.4	PN 10, PN 16, TABLE D & E
300/12	322-340	19	PN 10, PN 16, TABLE E, ANSI 150 lb
350/14	374-391	25.4	PN 10, PN 16
400/16	417-437	28.6	PN 10, PN 16
450/18	480-500	32.8	PN 10, PN 16
500/20"	526-546	41.2	PN 10, PN 16, ANSI 150 lb
600/24	630-650	51	PN 10, PN 16, ANSI 150 lb



MAX WORKING PRESSURE: 16 BAR • SETTING GAP: 19mm • TOLERANCE ON ANGULAR DEFLECTION: 3 DEGREES • EXPANSION AND CONTRACTION RANGE: 0-5 mm • RECOMMENDED BOLT TORQUE: 60-80 mm