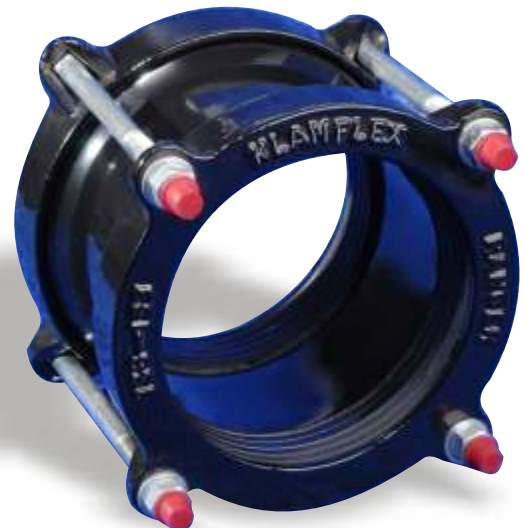


RANGER COUPLINGS

- KLAMFLEX Ranger Products, in the form of wide range couplings and flange adaptors, are designed to join pipes of various outside diameters with the same or different nominal bore.
- Because of the wide range tolerance on O.D. (Up to 23mm) a single KLAMFLEX Ranger Coupling can connect steel, ductile iron, UPVC, cast iron, asbestos cement and other rigid pipe materials. This eliminates on site guesswork and stock range holdings are optimised.
- The ability of KLAMFLEX Ranger Couplings to join dissimilar pipe materials is a bonus feature in both repair or permanent situations.
- Corrosion protection for KLAMFLEX Ranger 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 Products 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.
- Because of the KLAMFLEX Ranger's wide range tolerance on pipe O.D., on site guesswork is eliminated and stock range holdings are optimised.
- 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. 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 Products can be manufactured with double or full sleeves to prevent end pullout on PE, HDPE and GRP pipes.



KLAMFLEX RANGER COUPLING

SUITABLE FOR JOINING PIPES OF SIMILAR OR DISSIMILAR MATERIALS WITHIN THE O.D. RANGE.
USE AS A STRAIGHT COUPLING, OR IN PLACE OF A STEPPED COUPLING WITHIN THE O.D. RANGE

NOM.BORE (mm/inch)	PIPE O.D. RANGE(mm)	APPROX MASS (kg)	PIPE MATERIAL SUITABILITY
50/2	59-72	2.9	STEEL (imperial+metric), UPVC, DI, CI, AC (imperial), ABS/DWV
65/2.5	72-85	3	STEEL (imperial+metric), UPVC, DI, CI, AC (imperial), ABS/DWV
80/3	88-103	4.2	STEEL (imperial+metric), UPVC, DI, CI, AC (imperial), ABS/DWV
100/4	109-128	4.6	STEEL (imperial+metric), UPVC, DI, CI, AC (cod), AC (imperial)
125/5	138-153	4.8	STEEL (imperial+metric), UPVC, DI, CI, AC (cod), AC (imperial)
150/6	159-182	7	STEEL (imperial+metric), UPVC, DI, CI, AC (cod), AC (cid), AC (imperial)
175/7	192-210	9.2	STEEL (imperial+metric), UPVC, CI, AC (imperial)
200/8	218-235	10.2	STEEL (imperial+metric), UPVC, DI, CI, AC (cod), AC (cid), AC (imperial), GRP
225/9	230-247	16.6	STEEL (imperial+metric), DI, AC (cod), AC (cid), AC (imperial)
250/10	250-267	18.2	STEEL (imperial+metric), UPVC, AC (cid)
250/10	272-289	16.2	STEEL (imperial+metric), UPVC, DI, CI, AC (cod), AC (cid), AC (imperial), GRP
300/12	315-332	23.6	STEEL (imperial+metric), UPVC, DI, GRP
300/12	322-340	19.8	STEEL (imperial+metric), DI, AC Class 12
350/14	374-391	28.2	DI, GRP, AC Class 6
400/16	417-437	26.4	DI, AC Class 6 and 12
450/18	480-500	33	DI, AC Class 6 and 12, UPVC
500/20	526-546	35	DI, AC Class 6 and 12
600/24	630-650	46.8	DI, AC Class 6, Imperial CI/CL



MAX WORKING PRESSURE: 16 BAR • SETTING GAP: 19mm • TOLERANCE ON ANGULAR DEFLECTION:
6 DEGREES • EXPANSION AND CONTRACTION RANGE: 0-10 mm • RECOMMENDED BOLT TORQUE: 60-80 mm