

# VARIplus-RFA RANGER FLANGE ADAPTORS

KLAMFLEX VARIplus-RFA Ranger Flange Adaptors are designed to join pipes of various outside diameters with flanged equipment of various drilling tables. Because of the wide range tolerance on OD a single KLAMFLEX VARIplus-RFA 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 optimised.

Moulded, circumferentially ribbed or specially profiled gaskets, generally in EPDM or NBR materials, provide for smooth installation by minimising contact friction. KLAMFLEX VARIplus-RFA Ranger Flange Adaptor 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 VARIplus-RFA 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 VARIplus-RFA Ranger Flange Adaptors can be manufactured with full sleeves to prevent end pull-out on PE, HDPE and GRP pipes.



| DN (mm/inch) | PIPE O.D. RANGE (mm) | APPROX MASS (kg) | FLANGE DRILLING COMPATIBILITY   |
|--------------|----------------------|------------------|---|
| 50/2         | 59-72                | 3                | BS 10, Table D, E & F, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3                              |
| 65/2.5       | 72-85                | 4                | BS 10, Table F, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3   |
| 80/3         | 88-103               | 5                | BS 10, Table D, E & F, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3                              |
| 100/4        | 109-128              | 5                | BS 10, Table D, E & F, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3                              |
| 125/5        | 138-153              | 7                | BS 10, Table D, E & F, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3                              |
| 150/6        | 159-182              | 8                | BS 10, Table D, E, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3                                  |
| 175/7        | 192-210              | 9                | BS4504 10/3, 16/3, BS EN1092 10/3, 16/3   |
| 200/8        | 218-235              | 10               | BS 10, Table D, E, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3                                  |
| 250/10       | 242-262              | 14               | BS4504 16/3, BS EN1092 16/3, SABS1123: 600/3, 1000/3, 1600/3  |
| 250/10       | 250-267<br>272-289   | 16<br>15         | BS 10, Table E, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3   |
| 300/12       | 315-332              | 22               | BS 10, Table D, E, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3           |
| 300/12       | 322-340              | 19               | BS 10, Table D, E, ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3 |
| 350/14       | 351-378              | 29               | BS4504 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                                    |
| 350/14       | 374-391              | 25               | BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                              |
| 400/16       | 417-437              | 29               | BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                              |
| 400/16       | 425-442              | 32               | BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                              |
| 450/18       | 480-500              | 33               | BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                              |
| 500/20       | 526-546              | 41               | ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                    |
| 600/24       | 630-650              | 51               | ANSI 150, BS4504 10/3, 16/3, BS EN1092 10/3, 16/3, SABS1123: 600/3, 1000/3, 1600/3                    |



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