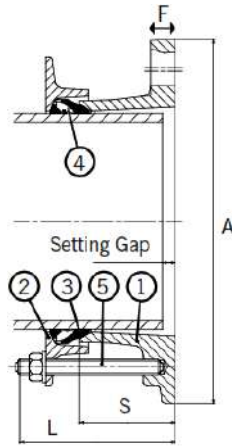


FlexLock Flange Adaptor

Specifications

- 1) Flange Adaptor
- 2) End Ring
- 3) Gasket
- 4) Gripper Teeth
- 5) Stud



Pipe Nom	Pipe OD (mm)	Pipe Material	Bolt Size No.-Dia x Length	Flange OD (A)	Overall Length (L)	Flange Thickness (mm) (F)	Sleeve Length (mm) (S)	Flange Nominal Drilling BS EN 1092-1	Working Pressure (bar)		Setting Gap		Gasket Mould	FA Weight (kg)
									Water	Gas	Min	Max		
DN50/2"	60.3	Steel	2-M12 x 115	160	123	16	75	50 PN10/16	16	6	10	30	1375	2.3
DN65/2.5"	76.1	Steel	2-M12 x 115	180	123	16	75	60/65 PN10/16	16	6	10	30	1394	2.6
DN80/3"	88.9	Steel	4-M12 x 115	195	123	16	75	80 PN10/16 90 PN6	16	6	10	30	1382	3.4
DN80/3"	98	Ductile Iron	4-M12 x 115	195	123	16	75	80 PN10/16 90 PN6	16	6	10	30	1630	4.0
DN100/4"	114.3	Steel	4-M12 x 115	215	123	16	75	100 PN10/16 110 PN6	16	6	10	30	1367	4.5
DN100/4"	118	Ductile Iron	4-M12 x 115	215	123	16	75	100 PN10/16	16	6	10	30	1618	4.4
DN150/6"	165.1	Steel	8-M12 x 115	285	127	25	75	150 PN10/16 6"E 6"ANSI 150	16	6	10	30	1369	9.3
DN150/6"	168.3	Steel	8-M12 x 115	286	123	19	75	150 PN10/16	16	6	10	30	1369	8.0
DN150/6"	170	Ductile Iron	8-M12 x 115	286	123	19	75	150 PN10/16	16	6	10	30	1369	8.0
DN200/8"	219.1	Steel	8-M12 x 115	341	123	19	75	200 PN10	10	6	10	30	1370	9.7
DN200/8"	219.1	Steel	8-M12 x 115	340	127	25	73	200 PN16	16	6	10	30	1370	15.2
DN200/8"	222	Ductile Iron	6-M16 x 125	341	137	19	75	200 PN16	16	6	10	30	1631	10.6
DN200/8"	222	Ductile Iron	8-M16 x 125	340	137	25	75	200 PN10 8"E	10	6	10	30	1631	13.9
DN250/10"	273.0	Steel	12-M16 x 125	405	137	19	90	250 PN10/16*	10	6	10	30	1737	16.4
DN250/10"	274	Ductile Iron	12-M16 x 125	405	137	19	90	250 PN10/16*	10	6	10	30	1737	16.4
DN300/12"	323.9	Steel	12-M16 x 125	467	137	19	90	300 PN10/16*	10	6	10	30	7667/8	22.7
DN300/12"	326	Ductile Iron	12-M16 x 125	467	137	19	90	300 PN10/16*	10	6	10	30	7667/8	22.7

FlexLock bolt torques: M12 = 55-65Nm M16 = 95-120Nm
 * Working pressure rating is less than flange rating.

Materials & Relevant Standards

End Rings

SG. Iron to BS 1563: Symbol EN-GJS-450-10
 or Rolled Steel to: BS EN 10025: Grade S275.

Flange Adaptor Body

Ductile Iron to BS EN 1563 EN-GJS-450-10.
 or Mild Steel to: BS EN 10025: Grade S275.

Studs/Nuts/Washers

Studs - Cold Forged Steel Fasteners to: BS EN ISO898-1:
 Property Class 8.8

Nuts - Steel BS EN 20898-2: Property Class 8

Washers - BS 4320 Form B Stainless Steel BS 1449:PT2: Grade 304 S15

Coating

Body, Centre Sleeve, End Rings are coated in Rilsan Nylon 11
 to WIS 4-52-01 Part 1.

Studs and nuts are Sheraplex coated to WIS 4-52-03.

Gaskets

EPDM compound Grade 'E' to BS EN 681-1 WRAS listed.

Suitable for: water, sewage, many strong and oxidising
 chemicals and food applications.

Nitrile compound Grade 'G' to BS EN 682-1.

Suitable for: natural gas, petroleum products, low aromatic fuels, compressed
 air, sewage and drainage.

Stainless Steel teeth in gaskets

BS 3146: Part 2 Grade ANC2.

Approvals/Standards

Designed and manufactured under quality management systems to BS EN
 ISO 9001. They have been tested in accordance with the requirements of
 WRc Water Bye-laws Scheme and conform to the American Water Works
 Associations standard AWWA/ANSI C.219 for bolted couplings.

Note: 1) For coated steel pipe the maximum permitted coating thickness is 500µ DFT. This is to ensure the stainless steel teeth properly grip onto the pipe surface to mobilize the end load capability of the products. 2) Due to the surface characteristics of stainless steel pipe, FlexLock grippers are unable to achieve a guaranteed grip on the pipe surface. 3) FlexLock is suitable for use on cold potable water pipelines and has a maximum operating temperature of 40°C.