FlexLock Components

FlexLock Couplings

Pipe Nom	Pipe OD mm	Pipe OD inch	Pipe material	Number of bolts	Bolt size	Coupling weight kg	Coupling weight lbs	Setting Gap (x) min	Setting Gap (x) max	Working Pressure bar	Working Pressure psi	Gasket mould
DN50 / 2"	60.3	2.37	steel	2	M12 x 145	2.7	6.0	15	30	16	232	1375
DN65 / 2.5"	76.1	3.00	steel	2	M12 x 160	3.2	7.1	20	40	16	232	1394
DN80 / 3"	88.9	3.50	steel	4	M12 x 160	4.2	9.4	20	40	16	232	1382
DN80 / 3"	98.0	3.86	ductile iron	4	M12 x 195	5.2	11.5	20	40	16	232	1630
DN100 / 4"	114.3	4.50	steel	4	M12 x 170	6.1	13.5	20	40	16	232	1367
DN100 / 4"	118	4.65	ductile iron	4	M12 x 195	5.6	12.4	20	40	16	232	1618
DN150 / 6"	165.1	6.50	steel	6	M12 x 170	9.2	20.4	20	40	16	232	1369
DN150 / 6"	168.3	6.63	steel	6	M12 x 170	9.3	20.4	20	40	16	232	1369
DN150 / 6"	170	6.69	ductile iron	6	M12 x 170	9.2	20.4	20	40	16	232	1369
DN200 / 8"	219.1	8.63	steel	8	M12 x 170	11.9	26.2	20	40	16	232	1370
DN200 / 8"	222	8.74	ductile iron	6	M16 x 195	12.0	26.6	20	40	16	232	1631
DN250 / 10"	273.0	10.75	steel	12	M16 x 275	32.2	70.9	40	75	10	145	1737
DN250 / 10"	274	10.79	ductile iron	12	M16 x 275	32.2	70.9	40	75	10	145	1737

FlexLock Flange Adaptors

Pipe Nom	Pipe OD mm	Pipe OD inch	Pipe material	No. of studs	Stud size	Flange Nominal drilling BS 4504	Flange Nominal drilling BS10	Flange Nominal drilling ANSI	FA weight kg	FA weight lbs	Setting Gap (x) min	Setting Gap (x) max	Working Pressure bar	Working Pressure psi	Gasket mould
DN50 / 2"	60.3	2.37	steel	2	M12 x 110	PN10, 16	A, D, E	125/150	3.2	7.1	10	30	16	232	1375
DN65 / 2.5"	76.1	3.00	steel	2	M12 x 110	PN10, 16	A, D, E	125/150	3.4	7.5	10	30	16	232	1394
DN80 / 3"	88.9	3.50	steel	4	M12 x 110	PN10, 16	A, D, E	125/150	5.3	11.7	10	30	16	232	1382
DN80 / 3"	98	3.86	ductile iron	4	M12 x 115	PN10, 16	A, D, E	125/150	4.8	10.6	10	30	16	232	1630
DN100 / 4"	114.3	4.50	steel	4	M12 x 115	PN10, 16	A, D, E	125/150	5.6	12.4	10	30	16	232	1367
DN100 / 4"	118	4.65	ductile iron	4	M12 x 115	PN10, 16	A, D, E	125/150	6.4	14.1	10	30	16	232	1618
DN150 / 6"	165.1	6.50	steel	8	M12 x 115	PN10, 16	E	125/150	9.3	20.5	10	30	16	232	1369
DN150 / 6"	168.3	6.63	steel	8	M12 x 115	PN10, 16	E	125/150	9.4	20.7	10	30	16	232	1369
DN150 / 6"	170	6.69	ductile iron	8	M12 x 115	PN10, 16	E	125/150	9.4	20.7	10	30	16	232	1369
DN200 / 8"	219.1	8.63	steel	8	M12 x 115	PN10	E	-	15.0	33.1	10	30	10	145	1370
DN200 / 8"	219.1	8.63	steel	12	M12 x 115	PN16	-	-	15.2	33.5	10	30	16	232	1370
DN200 / 8"	222	8.74	ductile iron	6	M16 x 125	PN16	-	-	13.8	30.4	10	30	16	232	1631
DN200 / 8"	222	8.74	ductile iron	8	M16 x 125	PN10	E	-	13.9	30.7	10	30	10	145	1631
DN250 / 10"	273.0	10.75	steel	12	M16 x 125	PN10	-	-	20.2	44.5	10	30	10	145	1737
DN250 / 10"	273.0	10.75	steel	12	M16 x 125	PN16	-	-	20.5	45.2	10	30	10*	145	1737
DN250 / 10"	274	10.79	ductile iron	12	M16 x 125	PN10	-	-	20.2	44.5	10	30	10	145	1737
DN250 / 10"	274	10.79	ductile iron	12	M16 x 125	PN16	-	-	20.5	45.2	10	30	10*	145	1737

Material Specification

All FlexLock products are designed and manufactured under quality management systems to BS EN ISO 9001.
They have been tested in accordance with the requirements of the Water Supply (Water Fittings) Regulations and conform to the American Water Works Associations standard AWWA/ANSI C.219 for bolted couplings and have Lloyds Register Type Approval.

Centre Sleeve/End Rings
Malleable Cast Iron to BS EN 1562.
or
Rolled Steel to: BS EN 10025:1993:Grade S275.

Flange Adaptor Body
S.G. Ductile Iron to BS EN 1563.
or
Mild Steel to: BS EN 10025:1993:Grade S275.

Studs/Bolts
Cold Forged Steel Fasteners to: BS EN 20898-1:1992 Grade 8.8.

Nuts
to BS 3692:1967:Grade 8.

Washers
BS 4320 Form B Stainless Steel A2.

Gaskets
EPDM compound Grade 'E' to BS EN 681-1 WBS listed.
Suitable for: water, sewage, many strong and oxidising chemicals and food applications.
or
Nitrile compound Grade 'G' to BS2494:1990:Type G.
Suitable for: natural gas, petroleum products, low aromatic fuels, compressed air, sewage and drainage.

Stainless Steel teeth in gaskets to BS 3146:1992:Part 2 Grade ANC2.

Coating
Flange Adaptor Body, Centre Sleeve, End Rings are coated in Rilsan Nylon 11 to WIS 4-52-01 Part 1.
Bolts, studs and nuts are zinc plated to BS 1706:1990 followed by Sheraplex for double protection against corrosion.