



Stainless Steel MEDIUM PRESSURE FLEXIBLE COUPLING (Grooved Type)

PRODUCT DESCRIPTION:

76M flexible clamps are mainly designed for grooved piping systems in medium pressure environments, such as reverse osmosis systems, grooved piping systems with a rated working pressure of 600 psi (42 bar), made of 304 or 316 stainless steel, 304 or 316 stainless steel bolts and nuts can withstand repeated friction and compression.

76M



PRODUCT FEATURES:

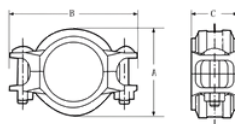


DIMENSIONS :

3/4" to 8" (DN20 to DN200)

RATED WORKING PRESSURE:

600 psi (42 bar) Only
suitable for grooved pipes



HOUSING:

- Type 304 stainless steel to ASTM A351 CF8 or A743 Gr. CF8
- Type 316 to ASTM A743 CF8M
- Type 316L to ASTM A743 CF3M
- CE8MN to ASTM A 890 Grade 2A
- Austenitic 904L (CN2MCuN) to A351
- Duplex 2205 (CD3MN) to ASTM A890 Grade 4A
- Super duplex 2507 (CE3MN) to ASTM A890 Grade 5A
- Austenitic 254SMO (CK3MCuN) to A743

APPLICATIONS:

- AEROSPACE SYSTEMS**
Used in hydraulic, fuel, and pneumatic systems on aircraft and spacecraft.
- CHEMICAL AND INDUSTRIAL PROCESSING**
In corrosive or high-pressure chemical systems where easy installation and reliable sealing are key.
- NUCLEAR AND POWER GENERATION**
In corrosive or high-pressure chemical systems where easy installation and reliable sealing are key.
- SUBSEA AND OFFSHORE OIL & GAS**
Suitable for subsea control modules, ROVs, and umbilical terminations.
- MILITARY & DEFENSE PLATFORMS**
In corrosive or high-pressure chemical systems where easy installation and reliable sealing are key.

PRODUCT SPECIFICATIONS:

The Shell

is selected to meet the requirements of ASTM A351 or A743 grades in the United States Made of CF8 material. Options:

- ☒ CF8M material meeting the requirements of ASTM A351
- ☒ CF3M material meeting the requirements of ASTM A351
- ☒ CE8MN stainless steel meeting the requirements of ASTM A890 Grade 2A
- ☒ 904L (CN2MCuN) super austenitic stainless steel meeting the requirements of ASTM A351
- ☒ 2205 duplex stainless steel material meeting the requirements of ASTM A890 Grade 4A in the United States
- ☒ 2507 super duplex steel material meeting the requirements of ASTM A890 Grade 5A in the United States
- ☒ 254SMO (CK3MCuN) super austenitic stainless steel material meeting the requirements of ASTM A743 in the United States

Nominal Size	Pipe OD	Rated Working Pressures	Pipe End Separation	Dimensions			Weight
mm	mm	psi	mm	A	B	C	kgs
in	in	bar	in	in	in	in	lbs
20	26.70	600	0-1.6	48	85	42	0.295
0.75	1.050	41.34	0-0.06	1.890	3.346	1.654	0.649
25	32.00	600	0-1.6	52	92	42	0.310
	1.260	41.34	0-0.06	2.047	3.622	1.654	0.682
25	33.40	600	0-1.6	54	94	42	0.341
1	1.315	41.34	0-0.06	2.126	3.701	1.654	0.751
32	38.00	600	0-1.6	61	101	44	0.320
	1.496	41.34	0-0.06	2.401	3.976	1.732	0.704
32	42.20	600	0-1.6	63	103	44	0.438
1.25	1.660	41.34	0-0.06	2.480	4.055	1.732	0.965
40	48.30	600	0-1.6	70	112	44	0.574
1.5	1.900	41.34	0-0.06	2.756	4.409	1.732	1.263
50	57.00	600	0-1.6	80	121	44	0.620
	2.244	41.34	0-0.06	3.149	4.764	1.732	1.364
50	60.30	600	0-1.6	82	124	44	0.645
2	2.375	41.34	0-0.06	3.228	4.882	1.732	1.419
65	73.00	600	0-1.6	96	148	44	0.799
2.5	2.875	41.34	0-0.06	3.780	5.827	1.732	1.758
65	76.10	600	0-1.6	100	152	44	0.836
	3.000	41.34	0-0.06	3.937	5.984	1.732	1.840
80	88.90	600	0-1.6	113	166	44	1.047
3	3.500	41.34	0-0.06	4.449	6.535	1.732	2.304
100	108.00	600	0-3.2	134	187	48	1.455
	4.250	41.34	0-0.13	5.276	7.362	1.890	3.201
100	114.30	600	0-3.2	140	193	48	1.560
4	4.500	41.34	0-0.13	5.512	7.598	1.890	3.432
125	133.00	600	0-3.2	160	215	50	1.665
	5.250	41.34	0-0.13	6.299	8.465	1.969	3.663
125	141.30	600	0-3.2	167	222	50	1.830
5	5.563	41.34	0-0.13	6.575	8.740	1.969	4.026
150	159.00	600	0-3.2	186	242	56	2.160
	6.259	41.34	0-0.13	7.323	9.528	2.205	4.752
150	168.30	600	0-3.2	196	252	56	2.530
6	6.625	41.34	0-0.13	7.717	9.921	2.205	5.566
200	219.10	600	0-3.2	255	319	60	4.586
8	8.625	41.34	0-0.13	10.039	12.559	2.362	10.09

Rubber Sealing Ring

The structural form of the sealing ring adopts the "C" type sealing structure, and the material is EPDM. The operating temperature range is (-30~110°C). Suitable for cold water, hot water, dilute acid, oil-free air and various chemicals; not suitable for petroleum media.

Bolts:

- ☒ 304 stainless steel carriage bolts, in line with American ASTM F-593 standard
- ☒ 316 stainless steel carriage bolts, in accordance with American ASTM A193 B-8M standard

Nuts:

- ☒ 304 stainless steel carriage nuts, in accordance with American ASTM F-593 standards
- ☒ 316 stainless steel carriage nuts, in accordance with American ASTM A193 B-8M standards
- ☒ Silicon bronze heavy duty Nut optional, in line with American ASTM B98 C65100 standard