



MODEL 707

pass

DUCTILE IRON HIGH PRESSURE *flexible coupling*

PRODUCT DESCRIPTION

The Model 707 is a high-performance flexible pipe coupling made from ductile iron, designed to connect grooved-end pipes while accommodating system movement, vibration, and deflection. Engineered for high-pressure applications, it features a pressure-responsive elastomer gasket that provides a secure, leak-tight seal. Its flexible design allows for angular deflection, thermal expansion, and contraction, making it ideal for demanding piping systems in industrial, HVAC, fire protection, and mining environments.

PRODUCT DETAILS

Sizes-Inches/DN : 3/4" to 12" (DN20 to DN30)
Rated Working Pressure: 1000 psi (69 bar) cut groove only

PRODUCT FEATURES



**MATERIAL-
DUCTILE
IRON**



**HIGH
PRESSURE
RATING**



FLEXIBILITY



**SEALING
GASKET**



**STANDARDS
COMPLIANCE:**



**BOLT-
TOGETHER
DESIGN**



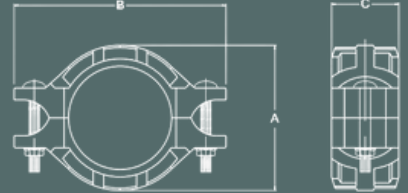
**CORROSION
RESISTANCE**



**GROOVED-END
OR PLAIN-END
COMPATIBILITY**



MODEL DIMENSION



PRODUCT SPECIFICATION

Housing:

Ductile Iron to ASTM A536

Surface Finish:

Antirust paint red or blue

- ✓ Hot dip zinc galvanized
- ✓ Dacromet
- ✓ RilsanPA11
- ✓ Epoxy power
- ✓ TRFLOW PTFE

Rubber Gaskets:

The gasket seals is C-shaped, made of standard gasket EPDM(ethylene propylene diene monomer) for cold water, hot water, rare acid, oil-free air and multiple chemical product (-50~150).It is not suitable for medium like petroleum.

Bolts & Nuts:

Round-head, ellipsoid-neck, carriage bolts, type carbon iron covered with zinc or dacromet.

COMMON APPLICATION



FIRE PROTECTION SYSTEMS

Absorbs vibration and movement in fire system pipelines



WASTEWATER SYSTEMS

Handles pressure variations and minor pipe shifts



INDUSTRIAL PIPING SYSTEMS

Flexible design reduces stress from thermal expansion



HVAC SYSTEMS

Allows for thermal movement and reduces mechanical strain

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
25	33.40	1000	0-1.6	61	105	44	0.620
1	1.315	68.90	0-0.06	2.402	4.134	1.732	1.364
32	42.20	1000	0-1.6	67	127	48	0.720
1.25	1.660	68.90	0-0.06	2.638	5.000	1.890	1.584
40	48.30	1000	0-1.6	79	137	48	0.800
1.5	1.900	68.90	0-0.06	3.110	5.394	1.890	1.760
50	57.00	1000	0-1.6	89	146	48	1.280
	2.244	68.90	0-0.06	3.504	5.748	1.890	2.816
50	60.30	1000	0-1.6	92	149	48	1.300
2	2.375	68.90	0-0.06	3.622	5.866	1.890	2.860
65	73.00	1000	0-1.6	108	165	48	1.620
2.5	2.875	68.90	0-0.06	4.252	6.496	1.890	3.564
65	76.10	1000	0-1.6	111	168	48	1.750
	3.000	68.90	0-0.06	4.370	6.614	1.890	3.850
80	88.90	1000	0-1.6	127	181	48	1.890
3	3.500	68.90	0-0.06	5.000	7.126	1.890	4.158
100	108.00	1000	0-3.2	152	219	54	2.500
	4.250	68.90	0-0.13	5.984	8.622	2.126	5.500
100	114.30	1000	0-3.2	156	226	54	2.700
4	4.500	68.90	0-0.13	6.142	8.898	2.126	5.940
125	133.00	1000	0-3.2	194	264	54	4.500
	5.250	68.90	0-0.13	7.638	10.394	2.126	9.900
125	139.70	1000	0-3.2	197	270	54	5.000
5	5.500	68.90	0-0.13	7.756	10.630	2.126	11.00
150	159.00	1000	0-3.2	216	265	52	5.660
	6.259	68.90	0-0.13	8.504	10.433	2.047	12.452
150	168.30	1000	0-3.2	219	302	54	7.260
6	6.625	68.90	0-0.13	8.622	11.890	2.126	15.970
200	219.10	800	0-3.2	279	375	63	8.850
8	8.625	55.12	0-0.13	10.984	14.764	2.480	19.470
250	273.00	800	0-3.2	346	435	67	12.240
10	10.750	55.12	0-0.13	13.622	17.126	2.638	26.928
300	323.90	800	0-3.2	397	489	67	15.620
12	12.750	55.12	0-0.13	15.630	19.252	2.638	34.360