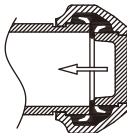
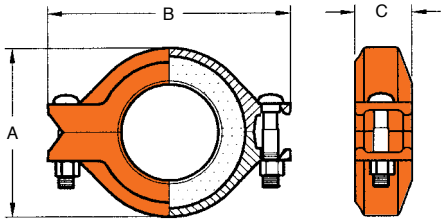
MODEL

7706 REDUCING COUPLING

The **Shurjoint** Model 7706 reducing coupling allows for direct reduction on a piping run and eliminates the need for a concentric reducer and additional couplings. The specially designed rubber gasket helps prevent small pipe from telescoping into larger pipe during vertical assembly.

CAUTION The Model 7706 coupling should not be used with an end cap, as the end cap could be sucked into the pipe by the vacuum created when a system is being drained.





Pressure-Temperature Rating

Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
Class 150	300 psi @100°F 20 Bar @38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C

*Working pressure is based on roll- or cut-grooved standard wall carbon steel pipe.
*Proof test pressure: 1.5 times the working pressure, non-shock cold water.
*Burst pressure is engineered minimum 3 times the working pressure.

Nominal Size mm / in	Pipe O. D. mm / in	Max. Working Pressure Bar/PSI	Max. End Load kN / Lbs	Axial Displacement mm / in	Angular Movement Per Coupling Degree (°)	Angular Movement Per Pipe mm / m in / ft	Dimensions A mm / in	Dimensions B mm / in	Dimensions C mm / in	Bolts Size mm / in	Weight Kgs / Lbs
40 x 32	48.3 x 42.2	20	2.89	0 ~ 3.2	3° - 48’	33.0	72	108	46	M10 x 55	0.8
1½ x 1¼	1.900 x 1.660	300	650	0 ~ 0.13		0.40	2.83	4.25	1.81	⅜ x 2⅛	1.8
50 x 40	60.3 x 48.3	20	3.79	0 ~ 3.2	3° - 02’	26.0	85	122	48	M10 x 55	0.9
2 x 1½	2.375 x 1.900	300	850	0 ~ 0.13		0.31	3.35	4.80	1.89	⅜ x 2⅛	2.0
65 x 50	73.0 x 60.3	20	5.90	0 ~ 3.2	2° - 30’	22.0	96	144	48	M10 x 55	1.2
2½ x 2	2.875 x 2.375	300	1330	0 ~ 0.13		0.26	3.78	5.67	1.89	⅜ x 2⅛	2.6
76.1mm x 50	76.1 x 60.3	20	5.90	0 ~ 3.2	2° - 24’	21.0	102	138	48	M10 x 55	1.2
	3.000 x 2.375	300	1330	0~0.13		0.25	4.02	5.43	1.89	⅜ x 2⅛	2.6
80 x 50	88.9 x 60.3	20	5.90	0 ~ 3.2	2° – 04’’	18.0	116	168	48	M12 x 75	1.5
3 x 2	3.500 x 2.375	300	1330	0~0.13		0.22	4.57	6.61	1.89	½ x 3	3.3
80 x 65	88.9 x 73.0	20	8.66	0 ~ 3.2	2° - 04’	18.0	116	168	48	M12 x 75	1.7
3 x 2½	3.500 x 2.875	300	1950	0 ~ 0.13		0.22	4.57	6.61	1.89	½ x 3	3.7
80 x 76.1mm	88.9 x 76.1	20	9.41	0 ~ 3.2	2° - 04’	18.0	116	168	48	M12 x 75	1.7
	3.500 x 3.000	300	2115	0 ~ 0.13		0.22	4.57	6.61	1.89	½ x 3	3.7
100 x 50	114.3 x 60.3	20	5.90	0 ~ 4.8	2° - 24’	21.0	146	198	52	M12 x 75	2.4
4 x 2	4.500 x 2.375	300	1330	0 ~ 0.19		0.25	5.75	7.80	2.05	½ x 3	5.3
100 x 65	114.3 x 73.0	20	8.66	0 ~ 4.8	2° - 24’	21.0	146	198	52	M12 x 75	2.6
4 x 2½	4.500 x 2.875	300	1950	0 ~ 0.19		0.25	5.75	7.80	2.05	½ x 3	5.7
100 x 76.1mm	114.3 x 76.1	20	9.41	0 ~ 4.8	2° - 24’	21.0	146	198	52	M12 x 75	2.6
	4.500 x 3.000	300	2115	0 ~ 0.19		0.25	5.75	7.80	2.05	½ x 3	5.7
100 x 80	114.3 x 88.9	20	12.84	0 ~ 4.8	2° - 24’	21.0	146	198	52	M12 x 75	2.4
4 x 3	4.500 x 3.500	300	2890	0 ~ 0.19		0.25	5.75	7.80	2.05	½ x 3	5.3
139.7mm x 100	139.7 x 114.3	20	21.23	0 ~ 6.4	2° - 36’	23.0	160	242	52	M16 x 90	3.8
	5.500 x 4.500	300	4770	0 ~ 0.25		0.27	6.30	9.84	2.05	⅝ x 3½	8.4
125 x 100	141.3 x 114.3	20	21.23	0 ~ 6.4	2° - 36’	23.0	160	242	52	M16 x 90	3.6
5 x 4	5.563 x 4.500	300	4770	0 ~ 0.25		0.27	6.30	9.84	2.05	⅝ x 3½	7.9
165.1mm x 80	165.1 x 88.9	20	12.84	0 ~ 6.4	2° - 14’	20.0	202	269	52	M16 x 90	4.6
	6.500 x 3.500	300	2890	0 ~ 0.25		0.23	7.95	10.59	2.05	⅝ x 3½	10.1
150 x 80	168.3 x 88.9	20	12.84	0 ~ 6.4	2° - 12’	19.0	208	275	52	M16 x 90	4.6
6 x 3	6.625 x 3.500	300	2890	0 ~ 0.25		0.23	8.19	10.83	2.05	⅝ x 3½	10.1
165.1mm x 100	165.1 x 114.3	20	18.95	0 ~ 6.4	2° - 14’	20.0	202	269	52	M16 x 90	4.5
	6.500 x 4.500	300	4260	0 ~ 0.25		0.23	7.95	10.59	2.05	⅝ x 3½	9.9
150 x 100	168.3 x114.3	20	18.95	0 ~ 6.4	2° - 12’	19.0	208	275	52	M16 x 90	4.5
6 x 4	6.625 x 4.500	300	4260	0 ~ 0.25		0.23	8.19	10.83	2.05	⅝ x 3½	9.9
200 x 150	219.1 x 168.3	20	46.03	0 ~ 6.4	1° - 40’	15.0	260	334	57	M20 x 120	6.5
8 x 6	8.625 x 6.625	300	10350	0 ~ 0.25		0.18	10.24	13.15	2.24	¾ x 4¾	14.3
200 x 165.1mm	219.1 x 165.1	20	44.29	0 ~ 6.4	1° - 40’	15.0	260	334	57	M20 x 120	6.5
	8.625 x 6.500	300	9960	0 ~ 0.25		0.18	10.24	13.15	2.24	¾ x 4¾	14.3

Deflection or angular movement is the maximum value that a coupling allows with no internal pressure.