

MODEL

7707N FLEXIBLE COUPLING

The Shurjoint Model 7707N is a two-segment, flexible coupling for use with standard pipe, roll or cut grooved to AWWA C606 specifications. For 26", see page 21 for groove dimensions.



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.

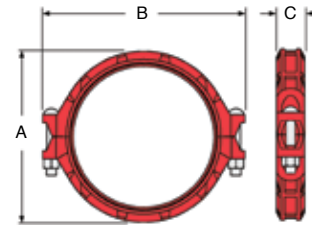
*Proof test pressure: 1.5 times the working pressure, non-shock cold water.

*Burst pressure is engineered minimum 2 times the working pressure.



14" ~ 24"

Size: 26"



Nominal Size mm / in	Actual O.D. mm / in	Max. Working Pressure			Axial Displacement mm / in	Angular Movement		Dimensions			Bolts		Weight Kgs / Lbs
		XS (0.500")* Bar / PSI	STD (0.375") Bar / PSI	LW (0.312") Bar / PSI		Degree Per Coupling (°)	Per Pipe mm / m in/ft	A mm / in	B mm / in	C mm / in	No.	Size in	
350	355.6	20	20	17	6.4	1° - 02'	9.0	412	479	75	2	7/8 x 6 1/2	15.7
14	14.000	300	300	250	0.250		0.11	16.23	18.85	2.95			34.5
400	406.4	20	20	17	6.4	0° - 54'	8.0	463	547	75	2	1 x 6 1/2	18.4
16	16.000	300	300	250	0.250		0.10	18.23	21.53	2.95			40.5
450	457.2	20	20	17	6.4	0° - 48'	7.0	520	605	79	2	1 x 6 1/2	22.3
18	18.000	300	300	250	0.250		0.08	20.45	23.81	3.11			47.1
500	508.0	20	20	17	6.4	0° - 44'	6.0	571	656	79	2	1 x 6 1/2	24.5
20	20.000	300	300	250	0.250		0.08	22.48	25.82	3.11			54.0
550	558.8	20	20	17	6.4	0° - 39'	6.0	621.4	724.6	79	2	1/8 x 6 1/2	28.6
22	22.000	300	300	250	0.250		0.07	24.46	28.52	3.11			63.0
600	609.6	20	20	17	6.4	0° - 36'	5.0	674	780	79	2	1/8 x 6 1/2	29.5
24	24.000	300	300	250	0.250		0.06	26.55	30.70	3.11			65.1
650	660.4	20	20	17	6.4	0° - 34'	5.0	754	842	125.6	4	7/8 x 9 5/8	68.3
26	26.0	300	300	250	0.250		0.06	29.68	33.15	4.94			150.5

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

* Pressure ratings are based on cut-grooved XS carbon steel pipe.



30" 7707L couplings on a chill water system