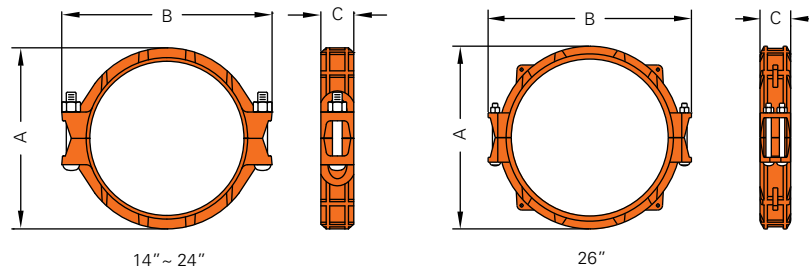
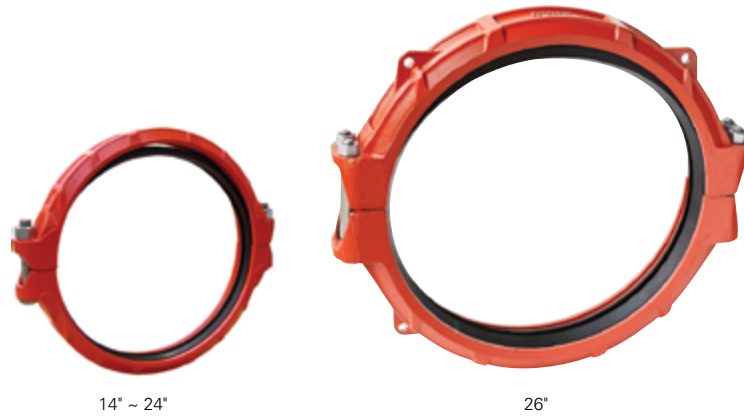


Model 7707N Flexible Coupling

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 189 for groove dimensions.



Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Max. End Load (CWP)	Axial Displacement †	Angular Movement**††		Dimensions			Bolt		Weight
					Degree Per Coupling	Per Pipe	A	B	C	No.	Size	
in	in	PSI	Lbs	in	(°)	in / ft	in	in	in		in	Lbs
mm	mm	Bar	kN	mm		mm / m	mm	mm	mm			Kgs
14	14.00	300	46150	0.125	0° - 31'	0.06	16.23	19.80	2.95	2	7/8 x 6 1/2	34.5
350	355.6	20	198.53	3.2		4.5	412.0	503.0	75.0			15.7
16	16.00	300	60280	0.125	0° - 27'	0.05	18.23	21.85	2.95	2	1 x 6 1/2	37.0
400	406.4	20	259.30	3.2		4.0	463.0	555.0	75.0			16.8
18	18.00	300	76300	0.125	0° - 24'	0.04	20.45	24.06	3.11	2	1 x 6 1/2	47.1
450	457.2	20	327.89	3.2		3.5	520.0	611.0	79.0			22.3
20	20.00	300	94200	0.125	0° - 22'	0.04	22.48	26.38	3.11	2	1 x 6 1/2	54.4
500	508.0	20	405.16	3.2		3.0	571.0	670.0	79.0			24.7
22	22.00	300	113980	0.125	0° - 19'	0.04	24.46	30.16	3.11	2	1 1/8 x 6 1/2	63.0
550	558.8	20	490.60	3.2		3.0	621.4	766.0	79.0			28.6
24	24.00	300	135640	0.125	0° - 18'	0.03	26.55	30.43	3.11	2	1 1/8 x 6 1/2	65.1
600	609.6	20	584.20	3.2		2.5	674.0	773.0	79.0			29.5
26	26.00	300	159190	0.125	0° - 17'	0.03	29.68	33.15	4.94	4	7/8 x 9 5/8	143.0
650	660.4	20	684.72	3.2		2.5	754.0	842.0	125.6			65.0

* Working pressure is based on roll-grooved standard wall carbon steel pipe.

Pressure ratings are based on cut-grooved XS carbon steel pipe, refer to page 51 on STD & LW carbon steel pipes.

† Allowable Axial Displacement and Angular Movement (deflection) figures are for roll grooved standard steel pipe. Values for cut grooved pipe will be double that of roll grooved. These values are maximums; for design and installation purposes these figures should be reduced by: 50% for 3/4" - 3 1/2"; 25% for 4" and larger to compensate for jobsite conditions.

** Deflection or angular movement given is the maximum value that a coupling allows. When using the given maximum angles for a curved layout, proper bracing should be used to counter pressure thrust that will occur when the system is pressurized. Flexible couplings can be used for angular movement and or thermal expansion, though please note individual coupling(s) cannot be used to their maximums for both types of movement within a system at the same time.