

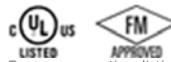
SS-8 STAINLESS STEEL FLEXIBLE COUPLING



The Model SS-8 is a flexible coupling designed for a variety of general service and specialty applications. The SS-8 is supplied standard in CF8 (304) and CF8M (316) with 304 or 316 bolts and nuts.



SS-8 couplings should always be installed so that the coupling bolt pads make metal to metal contact.

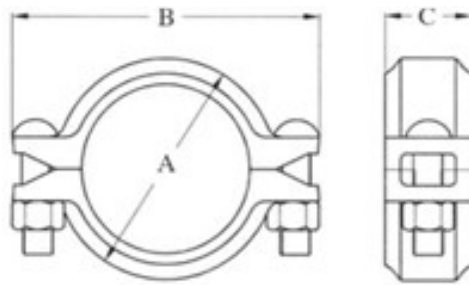


For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

material specification

- **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
 - Type 316Ti to ASTM A240
 - Duplex 2205 to ASTM A890 4A.
 - Super Duplex 2507 to ASTM A890 5A.
 - Duplex 254SMO to ASTM A351 CK3McuN.
- **Rubber Gasket:**
 - Grade E-pw EPDM (Color code: Double Green stripe) certified under NSF/ANSI 61 and NSF/ANSI 372 for potable water service to +180°F (+82°C). Also good for services for water with acid, water with chlorine or chloramines, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals.
 - Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.
 - Other options: Grade "E" - EPDM
Grade "T" Nitrile
Grade "O" - Fluoroelastomer.
Grade "L" - Silicone.

For additional details contact Shurjoint.
- **Bolts & Nuts:**
 - Type 304 Stainless steel track bolts to A193 B-8 with heavy duty nuts to ASTM A194 B8, Molybdenum disulfide (MoS₂) coated.
 - Type 316 Stainless steel track bolts to A193 B-8M with heavy duty nuts to ASTM B8M, Molybdenum disulfide (MoS₂) coated.



Model SS-8 Stainless Steel Flexible Coupling

Normal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Max. End Load (CWP)	Axial Displacement†	Dimensions			Deflection Degree†	Bolt Size	Weight
					A	B	C			
in	in	psi	lbf	in	in	in	in	(°)	in	lbs
mm	mm	bar	kN	mm	mm	mm	mm			kg
1	1.315	500	679	0-0.06	2.19	3.45	1.73	2° - 45'	5/16 x 1½	1.1
25	33.4	35	3.02	0-1.6	55.7	87.5	44.0			0.5
1¼	1.660	500	1082	0-0.06	2.54	3.85	1.73	2° - 10'	5/16 x 1½	1.1
32	42.2	35	4.81	0-1.6	64.6	97.8	44.0			0.5
1½	1.900	500	1417	0-0.06	2.79	4.14	1.73	1° - 54'	5/16 x 1½	1.1
40	48.3	35	6.30	0-1.6	70.8	105.1	44.0			0.5
2	2.375	500	2214	0-0.06	3.28	4.88	1.73	1° - 31'	¾ x 2½	1.5
50	60.3	35	9.85	0-1.6	83.0	124.0	44.0			0.7
2½	2.875	500	3244	0-0.06	3.79	5.51	1.73	1° - 15'	¾ x 2½	1.8
65	73.0	35	14.43	0-1.6	96.2	139.9	44.0			0.8
76.1	3.000	500	3533	0-0.06	3.91	5.71	1.73	1° - 12'	¾ x 2½	1.8
	76.1	35	15.71	0-1.6	99.0	145.0	44.0			0.8
3	3.500	500	4808	0-0.06	4.39	6.18	1.73	1° - 02'	¾ x 2½	2.2
80	88.9	35	21.39	0-1.6	111.0	157.0	44.0			1.0
4	4.500	425	5166	0-0.13	5.62	7.87	1.97	1° - 36'	½ x 3	3.7
100	114.3	29	22.98	0-3.2	143.0	200.0	50.0			1.7
139.7	5.500	425	4749	0-0.13	6.73	9.09	1.97	1° - 18'	½ x 3	4.8
	139.7	29	21.13	0-3.2	171.0	231.0	50.0			2.2
5	5.563	425	4858	0-0.13	6.72	8.90	1.97	1° - 18'	½ x 3	4.8
125	141.3	29	21.61	0-3.2	170.8	226.1	50.0			2.2
165.1	6.500	425	6633	0-0.13	7.67	9.96	2.09	1° - 07'	½ x 3	5.9
	165.1	29	29.51	0-3.2	194.0	253.0	53.0			2.7
6	6.625	425	6891	0-0.13	7.80	9.96	2.09	1° - 05'	½ x 3	6.4
150	168.3	29	30.65	0-3.2	198.0	253.1	53.0			2.9
8	8.625	300	11386	0-0.13	10.04	13.27	2.44	0° - 50'	¾ x 4¾	14.1
200	219.1	20	50.65	0-3.2	255.0	337.0	62.0			6.4
200 JIS	8.516	300	11679	0-0.13	10.00	13.62	2.40	0° - 51'	¾ x 3½	11.3
	216.3	20	51.95	0-3.2	251.0	346.0	60.0			5.1

* The working pressure shown is based on roll-grooved Sch. 40S pipe. Pressure ratings for use on cut grooved stainless steel pipe and on thin wall stainless steel pipe can be found on Shurjoint publication [B-37](#).

† 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 ¾"/DN20 - 3½"/DN90; 25% for 4"/DN100 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.

General note

- Maximum Working Pressure (CWP) listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall carbon steel pipe. For other pipe schedules or pipe materials, contact Shurjoint for additional information.
- Max. End Load is calculated based on the maximum working pressure (CWP).
- Listed and or Approved Pressures are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the Shurjoint website.
- Field Joint Test: For one time only, the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- The 10 Year Limited Warranty applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- Shurjoint reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.

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