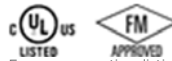


## SS-7X STAINLESS STEEL RIGID COUPLING



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website [www.shurjoint.com](http://www.shurjoint.com) for details or contact your SHURJOINT representatives.

The Model SS-7X Stainless Steel Rigid Coupling is a tongue and groove rigid coupling designed to provide a rigid joint for stainless steel pipe in size 10" through 24". The SS-7X is supplied standard in CF8 (304) and CF8M (316) with 304 and 316 bolts and nuts. As an option this coupling can be supplied with small triangular teeth inside the key shoulder to prevent the pipe or component from rotating.

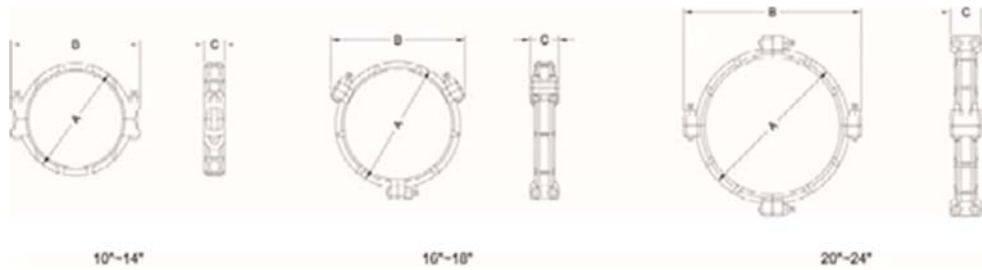


The bolts must be fastened to the required torque for proper installation.

### 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 (MoS<sub>2</sub>) coated.
  - Type 316 Stainless steel track bolts to A193 B-8M with heavy duty nuts to ASTM B8M, Molybdenum disulfide (MoS<sub>2</sub>) coated.



Model SS-7X Stainless Steel Rigid Coupling

Normal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Max. End Load (CWP)	Axial Displacement†	Dimensions			Bolt No.	Bolt Size	Bolt Torque	Weight
					A	B	C				
in	in	psi	lbf	in	in	in	lbs		in	lbs-ft	lbs
mm	mm	bar	kN	mm	mm	mm	kg			Nm	kg
10	10.750	600	54430	0-0.13	12.52	15.98	2.56	2	7/8 x 6 1/2	105 - 175	23.1
250	273.0	42	239.87	0-3.2	318	406	65			145 - 235	10.5
12	12.750	600	76567	0-0.13	14.72	17.78	2.56	2	7/8 x 6 1/2	105 - 175	23.3
300	323.9	42	337.66	0-3.2	374	452	65			145 - 235	11.5
250	10.528	600	52205	0-0.13	12.44	16.73	2.52	2	7/8 x 6 1/2	105 - 175	18.7
JIS	267.4	42	230.13	0-3.2	316	425	64			145 - 235	8.5
300	12.539	600	74054	0-0.13	14.57	18.31	2.52	2	7/8 x 6 1/2	105 - 175	21.6
JIS	318.5	42	326.49	0-3.2	370	465	64			145 - 235	9.8
14	14.000	400	61544	0-0.13	15.63	19.69	2.95	2	7/8 x 6 1/2	105 - 175	33.0
350	355.6	28	277.94	0-3.2	397	500	75			145 - 235	15.0
16	16.000	400	80384	0-0.13	18.15	21.10	2.95	6	5/8 x 3 1/2	50 - 75	42.7
400	406.4	28	363.02	0-3.2	461	536	75			68 - 100	19.4
18	18.000	350	89019	0-0.13	20.2 4	23.11	2.95	6	5/8 x 3 1/2	50 - 75	55.0
450	457.2	24	393.82	0-3.2	514	587	75			68 - 100	25.0
20	20.000	350	109900	0-0.13	22.48	26.34	3.11	8	3/4 x 4 3/4	65 - 150	72.8
500	508.0	24	486.19	0-3.2	571	669	79			85 - 200	33.1
22	22.000	300	113982	0-0.13	24.4 9	28.35	3.11	8	3/4 x 4 3/4	65 - 150	72.6
550	558.8	20	490.24	0-3.2	622	720	79			85 - 200	33.0
24	24.000	300	135648	0-0.13	26.4 7	30.35	3.11	8	3/4 x 4 3/4	65 - 150	76.3
600	609.6	20	583.43	0-3.2	673	771	79			85 - 200	34.7

\* 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 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"/DN20 - 3 1/2"/DN90; 25% for 4"/DN100 and larger to compensate for jobsite conditions.

## 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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