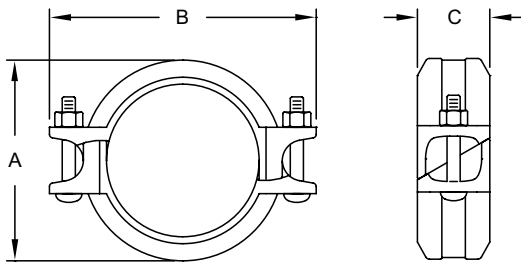




Ensure coupling bolt pads make metal-to-metal contact. 

Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	



The Shurjoint Model SS-5 is an angle-pad design stainless steel coupling for use with Sch. 5S, Sch. 10S or Sch. 40S stainless steel pipe where a rigid connection is desired. The angle-pad design allows the coupling housings to slide along the bolt pads when tightened. The result is an offset clamping action which provides a rigid joint which resists so called 'snaking' of a long straight run. With the removal of only one bolt you can make a fast and easy "swingover" installation. The SS-5 couplings are comprised of two identical CF8 (304) or CF8M (316) housing segments, EPDM gaskets and stainless steel track bolts and heavy duty nuts.

The Shurjoint Model SS-5 is available with a standard "C" shaped or GapSeal gasket in a variety of grades to meet your specific service requirements.

DIMENSIONS

NOMINAL SIZE	PIPE O.D.	MAX. WORKING PRESSURE (CWP)**	MAX. END LOAD (CWP)	AXIAL DISPLACEMENT †	DIMENSIONS			BOLT		WEIGHT
					A	B	C	No.	SIZE	
in	in	PSI	lb	in	in	in	in	No.	in	lb
mm	mm	Bar	kN	mm	mm	mm	mm			kg
1-1/4	1.660	600	1298	0 - 0.05	2.60	4.00	1.81	2	3/8 x 2-1/8	1.4
32	42.2	42	5.77	0 - 1.2	66	102	46			0.6
1-1/2	1.900	600	1700	0 - 0.05	2.83	4.29	1.81	2	3/8 x 2-1/8	1.5
40	48.3	42	7.56	0 - 1.2	72	109	46			0.7
2	2.375	600	2657	0 - 0.07	3.35	4.61	1.85	2	3/8 x 2-3/4	1.7
50	60.3	42	11.82	0 - 1.7	85	117	47			0.8
2-1/2	2.875	600	3893	0 - 0.07	3.86	5.20	1.85	2	3/8 x 2-3/4	2.1
65	73.0	42	17.32	0 - 1.7	98	132	47			0.9
3	3.500	600	5770	0 - 0.07	4.45	5.83	1.88	2	3/8 x 2-3/4	2.6
80	88.9	42	25.67	0 - 1.7	113	148	48			1.2
4	4.500	600	9538	0 - 0.16	5.75	7.17	2.09	2	3/8 x 2-3/4	4.1
100	114.3	42	42.43	0 - 4.1	146	182	53			1.9
5	5.563	600	14576	0 - 0.16	6.89	9.02	2.09	2	1/2 x 3	5.7
125	141.3	42	64.84	0 - 4.1	175	229	53			2.6
6	6.625	600	20672	0 - 0.16	8.00	9.80	2.13	2	1/2 x 3	6.8
150	168.3	42	91.96	0 - 4.1	203	249	54			3.1
8	8.625	600	35038	0 - 0.19	10.40	12.99	2.52	2	5/8 x 4-3/4	13.4
200	219.1	42	155.86	0 - 4.8	264	330	64			6.1

**The working pressure shown is based on roll-grooved Sch. 40S pipe.

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

MATERIAL SPECIFICATIONS

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" EPDM (Color code: Green stripe)

- Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine, 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.**
- Maximum Temperature Range: -30°F (-34°C) to +230°F (+110°C).
*EPDM gaskets for water services are not recommended for steam services unless couplings or components are accessible for frequent gasket replacement.

(Option) Gr. "E-pw" EPDM (Color code: Double Green Stripes)

- Good for cold +86°F (+30°C) and hot +180°F (+82°C) potable water services. EPDM is UL classified per NSF/ANSI 61 & NSF/ANSI 372.

(Option) Grade "T" Nitrile (Color code: Orange stripe)

- Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Also good for water services under +150°F (+66°C)
- Hot dip zinc galvanized (Optional). Temperature range: -20°F to +180°F (-29°C to +82°C)
- **Do not use for HOT WATER above +150°F (+66°C) or HOT DRY AIR above +140°F (+60°C).**

OTHER OPTIONS

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.

PERFORMANCE DATA

The following tables show maximum cold working pressures (CWP) of Shurjoint stainless steel couplings used on stainless steel pipes. In general it is more difficult to achieve defined groove corners on stainless steel pipe than on carbon steel pipe. Always select the correct roll set for the pipe being grooved and process grooves as defined as possible. Contact your roll-groove tool manufacturer for recommendations.

NOM. SIZE	CUT-GROOVED		ROLL-GROOVED	
	SCH. 40S	SCH. 40S	SCH. 10S	SCH. 5S
in	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar
1-1/4	600	600	300	200
32	42	42	20	14
1-1/2	600	600	300	200
40	42	42	20	14
2	600	600	300	200
50	42	42	20	14
2-1/2	600	600	300	200
65	42	42	20	14
3	600	600	300	200
80	42	42	20	14
4	600	600	300	200
100	42	42	20	14
5	600	600	300	200
125	42	42	20	14
6	600	600	300	200
150	42	42	20	14
8	600	600	300	200
200	42	42	20	14

Proof test pressure: 1.5 times the listed working pressure.
Burst pressure: 3 times the listed working pressure.

GENERAL NOTES

- 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).
- Field Joint Test: For one time only the system may be tested hydrostatically at 1.5 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.