

## MODEL SS-1200 STAINLESS STEEL HIGH PRESSURE FLEXIBLE COUPLING

The Model SS-1200 is designed for high pressure applications including reverse osmosis, desalination and other specialty systems. The SS-1200 is available in strong and anti-corrosive alloys of Duplex CD3MN (2205), Super Duplex CE8MN, CE3MN (2507) and 6-Moly stainless steel CK3MCuN (254SMO\*). The SS-1200 features 316 bolts, washers and silicon bronze nuts to help prevent galling during repetitive use. \* 254SMO is a registered trademark of Avesta Polarit AB.



SS-1200 couplings should always be installed so that the coupling bolt pads make metal to metal contact.

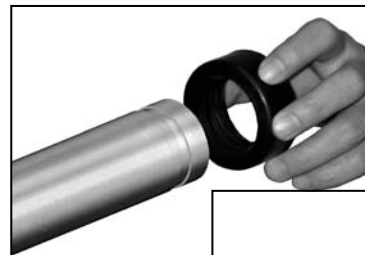
### Pressure-Temperature Rating

Nom. Rating	Working Pressures (S40S, Cut- or Roll-grooved)	Test Pressure (Hydrostatic)	Max. Service Temperature
CWP	1200 psi @100°F 84 Bar @38°C	1800 psi 126 Bar	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C

\*Working pressure is based on cut-grooved Sch. 40S or 80S pipe only.

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

The **Shurjoint** Fast-Fit gasket has been designed and engineered for easier and faster installations. The pipe-end friendly design eliminates struggling to stretch the gasket over the pipe ends and the Fast-Fit gasket also features **Shurjoint's** Gap-Seal technology, which seals the gap between the pipe ends and eliminates stagnant water pockets within the gasket cavity. The Fast-Fit gasket is UL classified in accordance with ANSI/NSF 61 for potable water (Cold Water +86°F / 30°C and Hot Water +180°F / +82°C).

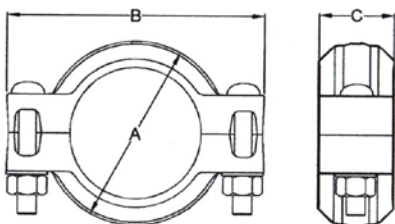


**Fast-Fit Gasket:**  
Easy installation with a single hand



Always use the factory supplied **Shurjoint** Fast-Fit gasket. Performance standards do not support the use of a standard gasket in the SS-1200 coupling.

## MODEL SS-1200 STAINLESS STEEL HIGH PRESSURE FLEXIBLE COUPLING



Model SS-1200 Stainless Steel High Pressure Flexible Coupling										
Nominal Size	Pipe OD	Pipe End Separation	Dimensions			Deflection Degree	Bolt Size		Weight	
			A	B	C		No.	in		
mm	mm	mm	mm	mm	mm	(°)			Kgs	
in	in	in	in	in	in				Lbs	
20	26.7	0 - 1.6	53	94	46	3° - 23'	2	3/8 x 2	0.45	
3/4	1.050	0 - 0.06	2.09	3.70	1.81				0.99	
25	33.4	0 - 1.6	60	101	46	2° - 45'	2	3/8 x 2	0.55	
1	1.315	0 - 0.06	2.36	3.98	1.81				1.21	
32	42.2	0 - 1.6	70	111	46	2° - 10'	2	3/8 x 2	0.63	
1 1/4	1.660	0 - 0.06	2.76	4.37	1.81				1.39	

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Nominal Size	Pipe OD	Pipe End Separation	Dimensions			Deflection Degree	Bolt No.	Bolt Size	Weight
			A	B	C				
mm <i>in</i>	mm <i>in</i>	mm <i>in</i>	mm <i>in</i>	mm <i>in</i>	mm <i>in</i>	(°)		in	Kgs <i>Lbs</i>
40 <i>1.5</i>	48.3 <i>1.900</i>	0 - 1.6 <i>0 - 0.06</i>	76 <i>2.99</i>	117 <i>4.61</i>	46 <i>1.81</i>	1° - 54'	2	½ x 2	0.70 <i>1.54</i>
50 <i>2</i>	60.3 <i>2.375</i>	0 - 1.6 <i>0 - 0.06</i>	88 <i>3.46</i>	137 <i>5.39</i>	49 <i>1.85</i>	1° - 31'	2	½ x 3	1.04 <i>2.29</i>
65 <i>2½</i>	73.0 <i>2.875</i>	0 - 1.6 <i>0 - 0.06</i>	102 <i>4.02</i>	151 <i>5.94</i>	49 <i>1.85</i>	1° - 15'	2	½ x 3	1.38 <i>3.04</i>
80 <i>3</i>	88.9 <i>3.500</i>	0 - 1.6 <i>0 - 0.06</i>	119 <i>4.69</i>	168 <i>6.61</i>	49 <i>1.85</i>	1° - 02'	2	½ x 3	1.55 <i>3.41</i>
100 <i>4</i>	114.3 <i>4.500</i>	0 - 3.2 <i>0 - 0.13</i>	152 <i>5.98</i>	207 <i>8.15</i>	52 <i>2.03</i>	1° - 36'	2	¾ x 3½	2.13 <i>4.69</i>

Working pressure ratings are based upon generally accepted pressure piping design standards and testing in accordance with ASME Section VIII Division 1 pressure vessel test methods.

## MATERIAL SPECIFICATIONS

### • Housings:

Super duplex 2507 (CE3MN) to ASTM A890 Grade 5A

- Duplex 2205 (CD3MN) to ASTM Grade 4A
- Austenic 254SMO (CK3MCuN) to A743

Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.

Maximum Temperature Range: -29°F (-34°C) to +230°F (+110°C).

### • Rubber Gaskets:

Gr. E-pw EPDM (Color code: Double Green Strips), Good for cold +86°F (+30°C) and hot +180°F (+82°C) potable water services. EPDM is UL classified per ANSI/NSF 61.

- Grade "E" EPDM (Color code: Green stripe), certified under ANSI / NSF 61 for potable water use, 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.

### • Bolts:

Type 316 stainless steel track bolts to ASTM A193 B-8M, Molybdenum disulfide (MoS<sub>2</sub>) coated

### • Nuts:

Silicon bronze heavy duty nuts to ASTM B98 C65100

### • Washers:

Type 316 stainless steel

### General Notes:

- Pressure ratings listed are CWP (cold water pressure) or maximum working pressure within the service temperature range of the gasket used in the coupling. For additional information contact **Shurjoint**.
- Maximum working pressures and end loads listed are total of internal and external pressures and loads based on Sch. 40S steel pipe with roll grooves to ANSI/AWWA C606-07 specifications. For information on other pipe schedules contact **Shurjoint**.
- For one time field test only the maximum joint working pressure may be increased 1½ times the figures shown.
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- **Shurjoint** reserves the right to change specifications, designs and or standard equipment without notice and without incurring any obligations.

Job Name:	System No.	Location:
Contractor:	Approved:	Date:
Engineer:	Approved:	Date:

**Shurjoint** product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact **Shurjoint** Technical Service. **Shurjoint** reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on **Shurjoint** products previously subsequently sold.