

## MODEL S35 SHOULDERED FLEXIBLE COUPLING

The Shurjoint Model S35 coupling is a flexible type shouldered coupling for general applications for use on Type A shouldered pipe ends. The housing segments are made of ductile iron to ASTM A536 Gr. 65-45-12 and or ASTM A395 Gr. 65-45-15 and are normally supplied in hot-dip galvanized. The standard rubber gasket is Grade T Nitrile.



S35 couplings should always be installed so that the coupling bolt pads make metal to metal contact.



### Pressure-Temperature Rating

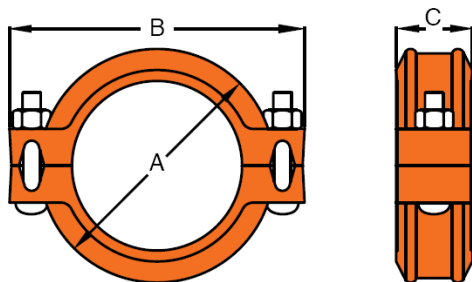
Nom. Rating	Working Pressure (STD)	Max. Service Temperature
Class 150	300 psi @100°F 20 Bar @38°C	Nitrile: 180°F / 82°C

\*Working pressure is based on standard wall carbon steel pipe.

\*Proof test pressure: 1.5 times the working pressure, non-shock cold water.

\*Burst pressure is engineered minimum 3 times the working pressure.

## MODEL S35 SHOULDERED FLEXIBLE COUPLING



Model S35 Shouldered Flexible Coupling									
Nominal Size	Pipe OD	Working Pressure	Dimensions			Allowable Pipe End Separation	Deflection	Bolt Size	Approx. Weight
			A	B	C				
mm in	mm in	Bar PSI	mm in	mm in	mm in	mm in	Degrees (°)	in	Kgs Lbs
50 2	60.3 2.375	20 300	99.0 3.90	139.0 5.47	46.0 1.81	3.2 0.13	2° 43'	3/8" x 2 1/8"	1.1 2.4
80 3	88.9 3.500	20 300	129.0 5.08	168.0 6.61	46.0 1.81	3.2 0.13	1° 53'	1/2" x 3"	1.5 3.9
100 4	114.3 4.500	20 300	159.0 6.26	200.0 7.87	50.0 1.97	3.2 0.13	1° 29'	1/2" x 3"	2.2 4.8
150 6	165.1 6.500	20 300	213.0 8.39	267.0 10.50	50.0 1.97	3.2 0.13	1° 2'	5/8" x 3 1/2"	3.5 5.0
150 6	168.3 6.625	20 300	219.0 8.62	279.0 11.00	50.0 1.97	3.2 0.13	1° 1'	5/8" x 3 1/2"	3.8 5.3
200 8	219.1 8.625	20 300	273.0 10.75	335.0 13.19	60.0 2.36	3.2 0.13	0° 47'	3/4" x 4 3/4"	5.9 7.4

## MATERIAL SPECIFICATIONS

- **Housing:**

Ductile Iron to ASTM A536, Gr. 65-45-12, min. tensile strength 448MPa (65,000 psi).

- **Surface Finish:**

Standard finish in Hot dip zinc galvanized.

- Painted Orange or RAL3000 red (Option).
- Epoxy Coatings in RAL3000 red or other colors (Option)

- **Rubber Gasket:**

**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 +66°C (+150°F).

Temperature range: -29°C to +82°C (-20°F to +180°F).

**Do not use for HOT WATER above +66°C (+150°F) or HOT DRY AIR above +60°C (+140°F)**

- **Bolts & Nuts:**

Heat treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 758 MPa (110,000 psi), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.

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 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:

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