

## A507 TRANSITION 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.

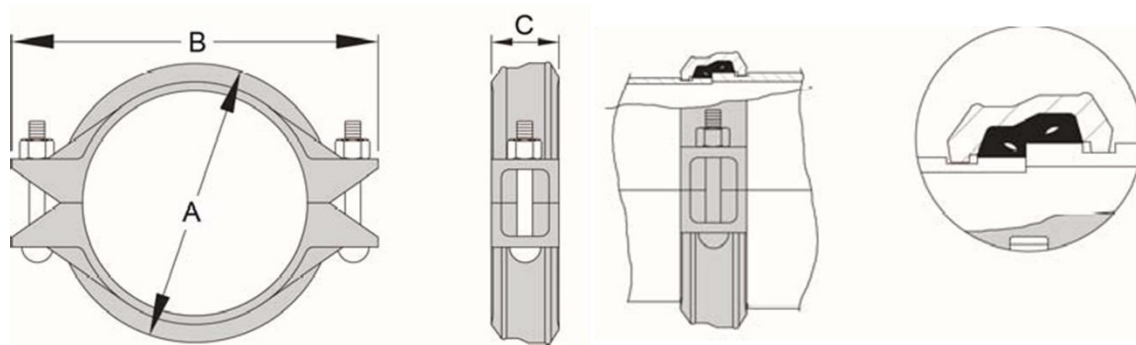
The Shurjoint Model A507 Transition Coupling provides for a direct connection between grooved end IPS steel pipe and grooved end AWWA ductile iron pipe, fittings and or valves. The A507 will accommodate roll or cut grooved IPS steel pipe and rigid or flexible AWWA ductile iron cut grooves.



A507 couplings should always be installed so that the coupling bolt pads make metal to metal contact.

### material specification

- **Housing:**  
Ductile Iron to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).
- **Surface Finish:**  
Painted black.
  - Hot dip zinc galvanized (optional).
  - Others upon request.
- **Rubber Gasket:**  
Grade "M" Halogenated Butyl (Color code: Brown stripe). Maximum Temperature Range: -20°F (-29°C) to +200°F (+93°C) Recommended for water service within the specified temperature range plus a variety of dilute acids, oil-free air, and many chemical services. UL classified in accordance with NSF/ANSI 61 and NSF/ANSI 372 for cold and hot water +180°F (+82°C) potable water service. No recommended for Petroleum services.
- **Bolts & Nuts:**  
Heat treated carbon manganese steel track Heat treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 110,000 psi (758 MPa), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.



Model A507 Transition Coupling

Normal Size	Pipe O.D.		Max. Working Pressure (CWP)*	Max. End Load (CWP)	Axial Displacement	Bolt Size	Dimensions			Weight
	IPS Pipe	AWWA Ductile Iron					A	B	C	
in	in	in	psi	lbf	in	in	in	in	lbs	
mm	mm	mm	bar	kN	mm	in	mm	mm	mm	kg
3	3.500	3.96	500	4810	0.03	1/2 x 2 3/4	5.31	7.28	2.13	4.8
80	88.9	100.6	35	21.41	1		135	185	54	2.2
4	4.500	4.80	500	7950	0.03	5/8 x 3 1/2	6.22	8.54	2.19	6.4
100	114.3	121.9	35	35.38	1		158	217	56	2.9
6	6.625	6.90	400	13780	0.03	5/8 x 3 1/2	8.23	10.75	2.19	8.6
150	168.3	175.3	28	61.32	1		209	273	56	3.9
8	8.625	9.05	400	23370	0.03	3/4 x 4 3/4	10.79	13.66	2.52	16.7
200	219.1	229.9	28	103.99	1		274	347	64	7.6
10	10.750	11.10	350	33850	0.03	7/8 x 6 1/2	13.03	16.10	2.76	24.9
250	273.0	281.9	24	155.96	1		331	409	70	11.3
12	12.750	13.20	350	47870	0.03	7/8 x 6 1/2	15.00	18.35	2.76	28.6
300	323.9	335.3	24	220.64	1		381	466	70	13

\* Pressure ratings listed are based on radius cut-grooved Thickness Class 53 or higher pipe.

### 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 1 1/2 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.