

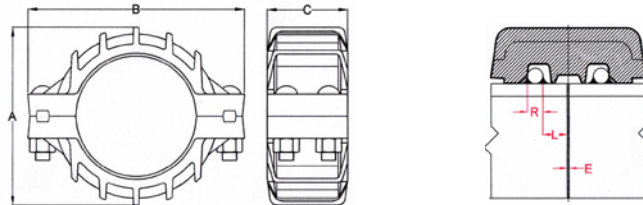
## MODEL RX-3770 3770 PSI RING JOINT COUPLING

The **Shurjoint** Model RX-3770 Ring Joint Coupling is designed to provide a fully restrained joint for use with extra-strong carbon steel pipe including API 5L Grade X65 line pipe.

The coupling is comprised of two ductile iron heavy-wall housing segments, rubber gasket (EPDM) and four heat-treated track bolts and nuts. Two steel weld rings are factory supplied with a coupling. Steel rings shall always be fully welded on both sides.



RX-3770 couplings should always be installed so that the coupling bolt pads make metal to metal contact.



Full warranty terms can be found on [www.shurjoint.com](http://www.shurjoint.com)

### Model RX-3770 3770 PSI Ring Joint Coupling

Nominal Size	Pipe OD	Max. Working Pressure (CWP)*	ASME/ANSI Pressure Class Rating <sup>^</sup> @100°F/@38°C	Max. End Load (CWP)	Dimensions			Bolt / Nut#		Pipe-end Preparation			Approx. Weight
					A	B	C	No.	Size	R	L	E	
in mm	in mm	PSI Bar	PSI Nom. Class	Lbs kN	in mm	in mm	in mm		in	in mm	in mm	in mm	Lbs Kgs
6 150	6.625 168.3	3770 260	3770 2000	129890 578.11	10.24 260	12.64 321	5.87 149	4	7/8 x 6 1/2	0.472 12	1.22 31	0.20 5	61.2 27.7
8 200	8.625 219.1	3770 260	3770 2000	220150 979.78	12.95 329	16.30 414	6.89 175	4	1 1/4 x 6 1/2	0.625 16	1.50 38	0.20 5	110.0 49.9
10 250	10.750 273.0	3770 260	3770 2000	342000 1521.14	15.90 404	19.88 505	7.40 188	4	1 1/2 x 6 3/8	0.750 19	1.50 38	0.20 5	174.5 79.2
12 300	12.750 323.9	3770 260	3770 2000	481090 2141.24	19.00 482	23.10 587	8.63 219	4	1 1/2 x 6 3/8	0.875 22	1.50 38	0.24 6	247.1 112.3

\*Working pressure is based on API 5L X65 line pipe.

<sup>^</sup>The ASME/ANSI pressure class rating is not the design or maximum pressure rating, rather is provided for those that are accustomed to specifying or using ASME/ANSI pressure class rated components such as flange, valves, etc.

#Bolts & nuts are UNC threaded.

## MATERIAL SPECIFICATIONS

### • Housing:

Ductile Iron to ASTM A536 Gr. 65-45-12 and or ASTM A395, Gr. 65-45-15, min. tensile strength 65,000 psi (448 Mpa).

### • Surface Finish:

Standard painted finishes in orange or RAL3000 red.  
 Epoxy Coating. (Option)

### • 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.

### • Bolts & Nuts:

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

General Notes:

- **ASME/ANSI Pressure-Temperature Rating** is provided as an aid in selecting a proper coupling to incorporate with other piping components (valves, flanges, and etc.) that are used in the same system and carry the ASME/ANSI rating. Select a Class 150 coupling to incorporate with Class 150 valves and flanges.
- **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 API 5L X65 line 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 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.

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.