

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.



Pressure-Temperature Rating

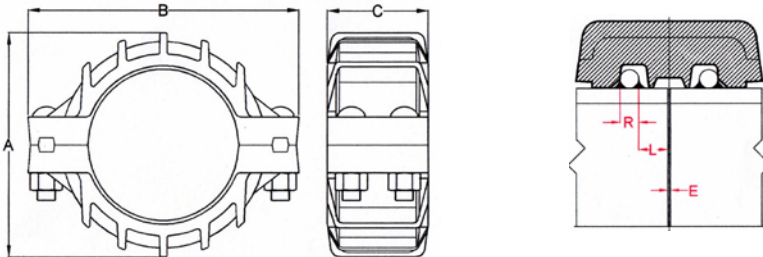
Nom. Rating	Working Pressure	Max. Service Temperature
Class 2000	3770 psi @100°F 260 Bar @38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C

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

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

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

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Nominal Size	Pipe OD	Max. Working Pressure	Dimensions			Bolt / Nut*		Pipe-end Preparation			Approx. Weight
			A	B	C	No.	Size	R	L	E	
mm <i>in</i>	mm <i>in</i>	Bar <i>PSI</i>	mm <i>in</i>	mm <i>in</i>	mm <i>in</i>		in	mm <i>in</i>	mm <i>in</i>	mm <i>in</i>	Kgs <i>Lbs</i>
150 <i>6</i>	168.3 <i>6.625</i>	260 <i>3770</i>	260 <i>10.24</i>	321 <i>12.64</i>	149 <i>5.87</i>	4	$\frac{3}{8}$ " x 165	12 <i>0.472</i>	31 <i>1.22</i>	5 <i>0.20</i>	27.7 <i>61.2</i>
200 <i>8</i>	219.1 <i>8.625</i>	260 <i>3770</i>	329 <i>12.95</i>	414 <i>16.30</i>	175 <i>6.89</i>	4	1¼" x 165	16 <i>0.625</i>	38 <i>1.50</i>	5 <i>0.20</i>	49.9 <i>110.0</i>
250 <i>10</i>	273.0 <i>10.750</i>	260 <i>3770</i>	404 <i>15.90</i>	505 <i>19.88</i>	188 <i>7.40</i>	4	1½" x 175	19 <i>0.750</i>	38 <i>1.50</i>	5 <i>0.20</i>	79.2 <i>174.5</i>
300 <i>12</i>	323.9 <i>12.750</i>	260 <i>3770</i>	482 <i>19.0</i>	587 <i>23.10</i>	219 <i>8.63</i>	4	1½" x 175	22 <i>0.875</i>	38 <i>1.50</i>	6 <i>0.24</i>	112.3 <i>247.1</i>

*Bolt & nuts are UNC threaded.

MATERIAL SPECIFICATIONS

- **Housing:**

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

- **Surface Finish:**

Standard painted finishes in RAL3000 red.

Epoxy Coating. (Option)

- **Rubber Gasket:**

Grade "E" EPDM (Color code: Green stripe) Good for cold & hot water use. 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.**

- **Bolts & Nuts:**

Heat treated carbon manganese steel track bolts to ASTM 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 additional information 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.