

RX-3770 3770 PSI RING JOINT COUPLING



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

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.

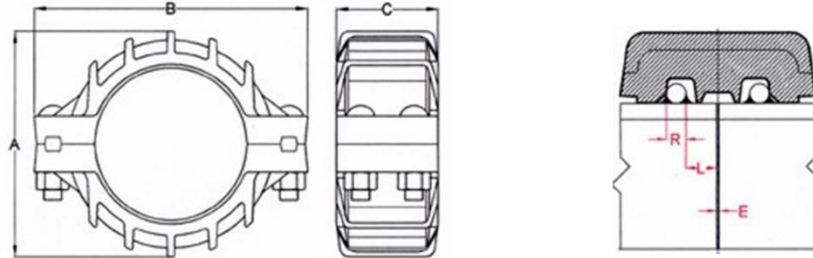
The coupling is comprised of two ductile iron heavy-wall housing segments, rubber gasket (EPDM) and four heat-treated track bolts and nuts. Two steel weld rings are factory supplied with a coupling. Steel rings shall always be fully welded on both sides.



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

material specification

- Housing:**
 Ductile Iron to ASTM A536 Gr. 65-45-12, min. tensile strength 65,000 psi (448 Mpa).
- Surface Finish:**
 Standard painted finishes in orange or RAL3000 red.
 - o 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 or chloramines, 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.



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Normal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Max. End Load (CWP)	Dimensions			Bolts / Nuts†		Pipe-end Preparation			Weight
				A	B	C	No.	Size	R	L	E	
in	in	psi	lbf	in	in	in		in	in	in	lbs	
mm	mm	bar	kN	mm	mm	mm		mm	mm	mm	kgs	
6	6.625	3770	129890	10.24	12.64	5.87	4	3/8 x 6 1/2	0.472	1.22	0.20	61.2
150	168.3	260	578.11	260	321	149			12	31	5	27.7
8	8.625	3770	220150	12.95	16.30	6.89	4	1 1/4 x 6 1/2	0.625	1.50	0.20	110.0
200	219.1	260	979.78	329	414	175			16	38	5	49.9
10	10.750	3770	342000	15.90	19.84	7.72	4	1 1/2 x 6 7/8	0.750	1.50	0.20	174.5
250	273.0	260	1521.14	404	504	196			19	38	5	79.2
12	12.750	3770	481090	19.00	23.10	8.63	4	1 1/2 x 6 7/8	0.875	1.50	0.24	247.1
300	323.9	260	2141.24	482	587	219			22	38	6	112.3

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

†Bolts & nuts are UNC threaded.

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.