aalberts integrated piping systems

RX-3000 3000 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-3000 coupling is a high-pressure ring joint coupling for use with Sch. 80, 120, or heavier wall carbon steel pipelines.
The coupling is comprised of two ductile iron heavy-wall housings, rubber gasket (EPDM or Nitrile), and two or four heat-treated track bolts and nuts which provide a fully restrained joint with maximum working pressure up to 3,000 psi (210 Bar) depending on the pipe used.

RX-3000 couplings should always be installed so that the coupling bolt pads make metal to metal contact.

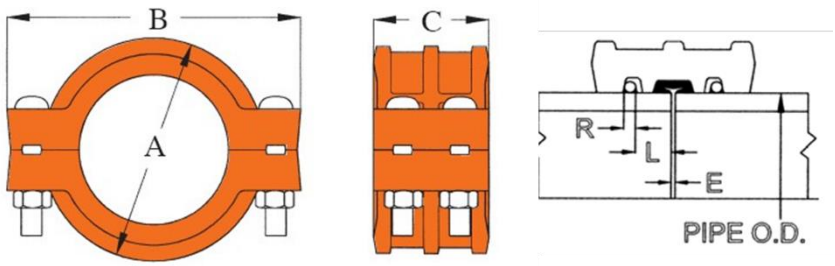
Two steel weld rings will be factory supplied with the coupling. Steel rings shall always be fully welded on both sides.

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.
  - 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.
  - Other options: Grade “T” - Nitrile gasket

  For additional details contact Shurjoint.
- Bolts & Nuts:
  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.

SHURJOINT®



Model RX-3000 3000 PSI Ring Joint Coupling												
Nominal 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	in	lbs
mm	mm	bar	kN	mm	mm	mm			mm	mm	mm	kg
8	8.625	3000	175180	11.81	15.51	5.83	2	1⅛ x 5⅛	0.472~0.500	1.22	⅛	78.92
200	219.1	207	791.36	300	394	148			12.0~12.7	31	3	35.87
10	10.748	3000	272040	14.96	18.93	5.98	4	1¼ x 6½	0.625~0.629	1.22	⅛	116.36
250	273.0	207	1228.61	380	481	152			15.9~16.0	31	3	52.78
12	12.752	3000	382950	18.5	22.48	6.81	4	1½ x 6¼	0.625~0.629	1.22	⅛	212.27
300	323.9	207	1729.46	470	572	173			15.9~16.0	31	3	96.24

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

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