



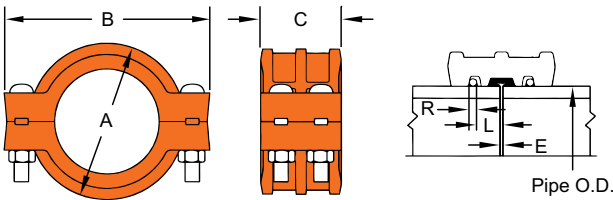
Ensure coupling bolt pads
make metal-to-metal contact.



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

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.

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



DIMENSIONS

NOMINAL SIZE	PIPE O.D.	MAX. WORKING PRESSURE (CWP)*	MAX. END LOAD (CWP)	DIMENSIONS			BOLT / NUT ‡		PIPE-END PREPARATION			WEIGHT
				A	B	C	NO.	SIZE	R	L	E (MAX)	
in	in	PSI	lb	in	in	in		in	in	in	lb	
mm	mm	Bar	kN	mm	mm	mm		mm	mm	mm	kg	
8	8.625	3000	175180	11.81	15.51	5.83	2	1-1/8 x 5-1/8	0.472 - 0.500	1.22	1/8	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	1-1/4 x 6-1/2	0.625 - 0.629	1.22	1/8	116.36
250	273.0	207	1228.61	380	481	152	4		15.9 - 16.0	31	3	52.78
12**	12.752	3000	382950	18.50	22.48	6.81	4	1-1/2 x 6-1/4	0.625 - 0.629	1.22	1/8	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.

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 coatings (optional)

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 service.

(Option) Grade "T" Nitrile (Color code: Orange stripe)

- Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range.
- Temperature range: -20°F to +180°F (-29°C to +82°C)
- **Do not use for HOT WATER above +150°F (+66°C) or HOT DRY AIR above +140°F (+60°C).**
- 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.

GENERAL NOTES

- Maximum Working Pressure (CWP) listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods.
- 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 1.5 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.

LISTINGS/APPROVALS

The information provided below is based on the latest listing and approval data at the time of publication. Listings/Approvals are subject to change and/or additions by the approvals agencies. Contact Shurjoint for the performance on other pipes and the latest listings and approvals

STANDARD PIPE

NOM. SIZE	cULus		cULus/FM		VdS	LPCB
	Sch. 5	Sch. 10	Sch. 10	Sch. 40		
in	PSI	PSI	PSI	PSI	Bar	PSI
mm	Bar	Bar	Bar	Bar		Bar
1-1/4	175	500	500	500	16	300
32	12	35	35	35		20
1-1/2	175	500	500	500	16	300
40	12	35	35	35		20
2	175	500	500	500	16	300
50	12	35	35	35		20
1-1/2	N/A	500	500	500	N/A	N/A
65	N/A	35	35	35		N/A
76.1 mm	N/A	500	N/A	N/A	16	300
		35				20
3	N/A	500	500	500	16	300
80	N/A	35	35	35		20
4	N/A	500	500	500	16	300
100	N/A	35	35	35		20
139.7 mm	N/A	400	N/A	N/A	16	300
		28				20
5	N/A	400	400	400	N/A	N/A
125	N/A	28	28	28		N/A
165.1 mm	N/A	400	N/A	N/A	N/A	300
		28				20
6	N/A	400	400	400	16	N/A
150	N/A	28	28	28		N/A
8	N/A	400	400	400	16	300
200	N/A	28	28	28		20
10	N/A	350	350	350	12.5	300
250	N/A	24	24	24		20
12	N/A	350	350	350	12.5	300
300	N/A	24	24	24		20