



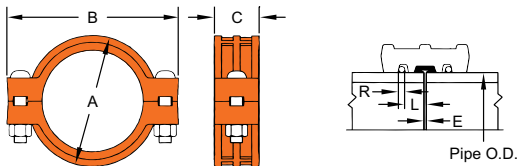
Ensure coupling bolt pads
make metal-to-metal contact.



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

The Shurjoint Model RH-1000 coupling is a high pressure ring joint coupling for use with Sch. 40, Sch. 80 and heavier wall carbon steel pipelines. The coupling is comprised of two ductile iron heavy-wall housings, rubber gasket (EPDM or Nitrile) and two heat-treated track bolts and nuts and provides a fully restrained joint with maximum working pressure up to 1,000 psi (70 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.



Pipe O.D.

DIMENSIONS

NOMINAL SIZE	PIPE O.D.	MAX. WORKING PRESSURE (CWP)*	MAX. END LOAD (CWP)	DIMENSIONS			BOLT / NUT ‡		DEFLECTION	PIPE-END PREPARATION			WEIGHT
				A	B	C	NO.	SIZE		R	L	E (MAX)	
in mm	in mm	PSI Bar	lb kN	in mm	in mm	in mm		in	Deg.	in mm	in mm	in mm	lb kg
8 200	8.625 219.1	1000 69	58390 263.79	11.10 282	14.65 372	3.86 98	2	1 x 5-1/2	0° - 18°	0.472 - 0.500 12.0 - 12.7	1 25	0.13 3.2	39.8 18.1
10** 250	10.750 273	1000 69	90710 409.54	13.32 340	16.93 430	4.25 108	2	1 x 6-1/2	0° - 38°	0.472 - 0.500 12.0 - 12.7	1 25	0.13 3.2	57.2 26.0
12** 300	12.750 323.9	1000 69	127610 576.49	16.33 415	20.07 510	4.17 106	2	1 x 6-1/2	0° - 32°	0.472 - 0.500 12.0 - 12.7	1 25	0.13 3.2	72.6 33.0

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

(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. Also good for water services under +150°F (+66°C)
- 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. 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).
- 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. 40		
in	PSI	PSI	PSI	Bar	PSI
mm	Bar	Bar	Bar		Bar
1-1/4	175	500	500	16	300
32	12	35	35		20
1-1/2	175	500	500	16	300
40	12	35	35		20
2	175	500	500	16	300
50	12	35	35		20
1-1/2	N/A	500	500	N/A	N/A
65		35	35		
76.1 mm	N/A	500	N/A	16	300
		35			20
3	N/A	500	500	16	300
80		35	35		20
4	N/A	500	500	16	300
100		35	35		20
139.7 mm	N/A	400	N/A	16	300
		28			20
5	N/A	400	400	N/A	N/A
125		28	28		
165.1 mm	N/A	400	N/A	N/A	300
		28			20
6	N/A	400	400	16	N/A
150		28	28		
8	N/A	400	400	16	300
200		28	28		20
10	N/A	350	350	12.5	300
250		24	24		20
12	N/A	350	350	12.5	300
300		24	24		20