

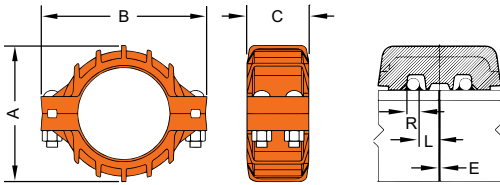


Ensure coupling bolt pads  
make metal-to-metal contact.



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

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.



## 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      |        |
| 6            | 6.625     | 3770                         | 129890              | 10.24      | 12.64 | 5.87 | 4            | 7/8 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 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)

**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 electro-plated, with heavy-duty hexagonal nuts to ASTM A563.

**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.

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**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. 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   |