FJ-RESTRAINT FLEXIBLE BALL JOINT RESTRAINT
MECHANICAL JOINT ENDS 14" THROUGH 24"

SUBMITTAL INFORMATION

USE

The FJ-Restraint is a flexible ductile iron fitting, developed to accommodate pipeline forces that would otherwise result in damaged pipe or loss of service. The FJ-Restraint is designed to compensate for expansion, contraction, rotation, bending and settlement of your pipeline all at the same time, with one fitting. Designed for use in buried applications or above ground service.

MATERIALS

CASTINGS
The Casing, Ball and Sleeve are cast of ductile (nodular) iron, meeting or exceeding ASTM A 536, Grade 65-45-12.

MJ ENDS
Mechanical Joint ends meet the dimensional requirements of either ANSI/AWWA C111/A21.11 or ANSI/AWWA C153/A21.53 depending on size. Standard MJ gasket is used with this fitting. Transition gaskets may be used for iron pipe size pipe.

MJ RESTRAINT
To securely fix MJ ends of the FJ-Restraint, Romac Grip Rings (for DI, C900 OR IPS PVC) or Roma Grip (for DI or 3"-12" IPS steel) can be supplied.

LOCK RING
Series 400 stainless steel. Limits expansion and contraction of FJ-Restraint up to maximum working pressure.

RING GASKETS
Ring gaskets are made of dual durometer Ethylene Propylene Diene Methylene rubber (EPDM) compounded for water and sewer service.

CASING
14 - 24 inch covers are Protective Polyethylene debris cover.

BOLTS AND NUTS
Standard MJ tee-bolts and nuts are used with this fitting. See ANSI/AWWA C111/A21.11 for specifications.

COATINGS
The entire fitting is lined and coated with fusion bonded epoxy, NSF 61 Certified, applied in accordance with AWWA C213.

PROTECTIVE SLEEVE
Polyethylene sleeve, 8 mils thick per AWWA C105 to cover entire FJ-Restraint assembly after installation. Provided with flexible rubber bands to secure to pipe ends and FJ-Restraint.

PRESSURE

When properly installed the FJ-Restraint can be used at working pressures up to 350 psi.

SIZES & RANGE

See Catalog.

Document # 5-8-0016 14 - 24 inch 11/27/2024

This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.

ROMAC INDUSTRIES, INC.
www.romac.com
21919 20th Avenue SE • Suite 100 • Bothell, WA 98021
Phone (425) 951-6200 • 1-800-426-9341 • Fax (425) 951-6201