

ROMAC INDUSTRIES, INC.
FJ-RESTRAINT BALL JOINT RESTRAINT FITTING
FLANGED ENDS 30" THROUGH 54"
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.

Flange Compatible with ANSI B16.1 Class 125 and B16.5 Class 150 bolt circles. Flat face.

Lock Ring Series 403 stainless steel. Limits expansion and contraction of FJ-Restraint up to maximum working pressure.

Ring Gaskets Ball and Casing gaskets are made of dual Ethylene Propylene Diene Methylene (EPDM) compounded for water and sewer service. Also available in Styrene Butadiene Rubber (SBR).

Casing Covers Covers are made of Chloroprene Rubber (CR) compounded for water and sewer service. Good Ozone resistance.

Coatings The entire fitting is lined and coated with fusion bonded epoxy, applied and tested in accordance with AWWA C213. All exposed exterior surfaces are 12 to 18 mils.

Protective Sleeve Polyethylene sleeve, 8 mils thick to cover entire FJ-Restraint assembly after installation. Provided with flexible rubber bands to secure to pipe ends and FJ-Restraint.

PRESSURE:

SIZE	MAXIMUM WORKING PRESSURE	MAXIMUM TEST PRESSURE
30 in	232 psi	290 psi
36 in	232 psi	290 psi
42 in	145 psi	217 psi
48 in	145 psi	217 psi
54 in	145 psi	217 psi

Drawings: Romac Drawing Number B2294-B 30"- 42", B2295-B 48", B2256-B 54"

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