

# ROMAC INDUSTRIES, INC.

## ROMAGRIP MECHANICAL JOINT RESTRAINING GLAND 30 THROUGH 48 INCH DUCTILE IRON PIPE

### SUBMITTAL INFORMATION

**USE** The Romac RomaGrip restraining gland is used for the restraint of mechanical joint ductile iron pipe, valves, fittings, and fire hydrants in water transmission and fire protection lines. The RomaGrip replaces costly concrete thrust blocks, corrodible steel tie rods and clamps. Not for use on plain end mechanical joint fittings. The RomaGrip may be used on cast iron pipe as long as it has the same OD as ductile iron pipe.

Note: Some initial axial movement may occur in lug style restraints as the lugs seat. Movement is directly related to the size of the piping system and the system pressure. In general terms movement of approximately 0.25 can be expected in restraints under 16". For larger sizes, movement of approximately 0.40 may be seen. If this is critical to your application please contact Romac Engineering for additional information.

### MATERIALS

Gland Ductile (nodular) iron, meeting or exceeding ASTM A 536-84, Grade 65-45-12.

Gaskets Styrene Butadiene Rubber (SBR), compounded for water and sewer in accordance with ASTM D 2000.

Restraining Bolt 1 ¼ - 7 roll thread, Ductile (nodular) iron, meeting or exceeding ASTM A 536.

Restraining Lugs Ductile (nodular) iron, meeting or exceeding ASTM A 536. Heat treated using a proprietary process.

Lug Locators Rubber 3/8 inch round stock.

Coatings Shop coat applied to the casting for corrosion protection in transit.

### PERFORMANCE

Nominal Pipe Size	Number of Restraining Bolts	Approx. Weight (lbs)	Working Pressure (psi)	Test Pressure (psi)	Maximum Joint Deflection
30	20	250	250	500	1°
36	24	325	250	500	1°
42	28	479	250	500	1°
48	32	594	250	500	1°

Document Number 02-8-0001

8/06

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.