

# PVC ROMAGRIP™ MJ RESTRAINING GLAND

FOR STEEL & DUCTILE IRON SIZE POLYVINYL CHLORIDE (PVC) PIPE 3 — 12 INCH

## SUBMITTAL INFORMATION

### USE

The Romac RomaGrip restraining gland is used for the restraint of mechanical joint 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.



### MATERIALS

#### GLAND

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

#### GASKETS

A Romac DI/IPS combination gasket may be used on either DI or IPS size pipe. Gasket compounded for water and sewer in accordance with ASTM D 2000. A standard MJ gasket may be used with this fitting on C900 PVC pipe. An MJ X IPS transition gasket is used for IPS size pipe.

#### RESTRAINING BOLT

7/8 -9 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.

#### COATINGS

Shop coat applied to the casting for corrosion protection in transit. Fusion bonded Romabond Polyester coated glands and Xylan coated restraining bolts and lugs optional.

### PERFORMANCE

PIPE MATERIAL	PIPE SIZE	WORKING PRESSURE	RECOMMENDED TORQUE FOR T-BOLTS	RECOMMENDED TORQUE FOR RESTRAINING BOLTS
PVC - D.I. SIZE (C900 Class 165)	4" - 12"	RATING OF PIPE	45 - 60 FT-LBS	30 - 40 FT-LBS
PVC - D.I. SIZE (C900 Class 235 & 305)	4" - 12"	RATING OF PIPE	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - "CLASS PIPE" (IPS Size Less than ASTM D2241 Class 160)	3" - 12"	RATING OF PIPE	45 - 60 FT-LBS	30 - 40 FT-LBS
PVC - "CLASS PIPE" (IPS Size ASTM D2241 Class 160 & 200)	3"	RATING OF PIPE	45 - 60 FT-LBS	TORQUE OFF HEADS
PVC - "CLASS PIPE" (IPS Size ASTM D2241 Class 160 & 200)	4" - 12"	RATING OF PIPE	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - SCHED. 40 & 80 ASTM D1785	3"	RATING OF PIPE	45 - 60 FT-LBS	TORQUE OFF HEADS
PVC - SCHED. 40 & 80 ASTM D1785	4" - 12"	RATING OF PIPE	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - D.I. SIZE (C909)	4" - 6"	235 PSI	75 - 90 FT-LBS	30 - 40 FT-LBS
PVC - D.I. SIZE (C909)	8"	235 PSI	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - D.I. SIZE (C909)	10" - 12"	150 PSI	75 - 90 FT-LBS	TORQUE OFF HEADS
DUCTILE IRON	NOT COMPATIBLE WITH RG-PVC			
STEEL				
ASBESTOS CEMENT				
FIBERGLASS				
HDPE				

\*WORKING PRESSURES ARE DESIGNED WITH A 2:1 SAFETY FACTOR / ALLOWABLE DEFLECTION 5 DEGREES 3-12"

### FM APPROVAL

FM approved for AWWA C900 pipe class 150 and 200, 4" - 12".

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



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