

MIDCO PERMA-GRIP RESTRAINED JOINT SYSTEM

BY

MIDLAND MANUFACTURING COMPANY

Submittal Information

2" Through 12" Series 3000 (Style 30)

Use The MIDCO Perma Grip Restrained Joint System is designed for restraint of PVC & PVCO pipe, and HDPE, in connecting to mechanical joint pipe, pressure fittings, valves, and fire hydrants in water distribution lines. It is recommended for polyethylene pipe (HDPE) **ONLY** with the use of an approved properly sized stainless steel stiffener/insert provided with our kits.

MATERIALS

Gland Ductile (nodular) iron to ASTM A536, Grade 65-45-12. Glands are epoxy coated thermal set MIDCO Blue to 4 mil thickness.

Grip Rings CA 87850 ECOBRASS - Ecobrace ASTM B30, B584, B806 is a lead-free brass alloy that is compliant with the California Lead Plumbing Laws, ANSI/NSF Standard 61 Annex G, ANSI/NSF 372, the National Lead Free Law, the Safe Drinking Water Act and Public Law 111-380.

Gaskets C900 units are supplied with a standard MJ gaskets while the IPS units come with transition gaskets both meeting or exceeding ANSI/AWWA C111/A21.11-95

Bolts & Nuts

Iron **Iron** - ASTM A242 T-Head Bolt with Heavy Hex Nut meets or exceeds the ANSI/AWWA C111/A21.11 requirements.

Stainless Steel 304 & 316 **Stainless Steel** - ASTM F593 T-Head Bolt with Heavy Hex Nut meets or exceeds the ANSI/AWWA C111/A21.11 requirements

Stiffener/Insert **FOR HDPE APPLICATIONS:** 304 stainless steel stiffener/insert with flexible spring design for easy installation available in SDR 11, 13.5 & 17.

All Midland & MIDCO products are manufactured in the UNITED STATES OF AMERICA and are fully compliant with the "BUY AMERICAN" requirement of section 1605 of the American Recovery & Reinvestment Act of 2009, LEED 2009, FHWA Buy America, AIS, Conflict Minerals and Recycled Materials Certifications.

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