SST-H STAINLESS STEEL TAPPING SLEEVE W/ DI FLANGE FOR USE ON HIGH DENSITY POLYETHYLENE PIPE (HDPE)

SUBMITTAL INFORMATION

MATERIALS

FLANGE
Ductile (nodular) iron, meets or exceeds ASTM A536, Grade 65-45-12. 304 Stainless Steel optional. All flanges in accordance with ANSI class 150 drilling and recessed to accept tapping valve.

STAINLESS STEEL
Meets or exceeds ASTM A 40-92c type 304 UNS designated S30400.

OUTLET
Heavy gauge 304L Stainless Steel. Fused to shell by GMAW welding.

SHELL
Heavy gauge Stainless Steel top half 304L back half 304.

SIDEBARS
Heavy gauge 304 Stainless Steel, GTAW welded to form permanent fusion with shell.

LUGS
304 Stainless Steel, fused to sidebars by GMAW welding.

BOLTS
304 Stainless Steel, 4 inch sleeves use 1/2" UNC rolled thread, 6 - 12 inch sleeves use 5/8" UNC rolled thread. Bolts are GMAW welded to sidebar.

NUTS
Heavy hex, 304 Stainless Steel, 4 inch nominal size sleeves uses 1/2" UNC threads, 6 inch nominal size and larger sleeves uses 5/8" UNC thread. Nuts coated to prevent galling.

WASHERS
1/2" or 5/8" Stainless Steel spring washers manufactured from a special grade of Stainless Steel used in the making of springs. 1/2" or 5/8" Plastic washer prevents galling between nut or stainless steel washer and lifter bar on all sizes.

ARMORS
Heavy gauge 304 Stainless Steel.

LIFTER BARS
304 Stainless Steel, lip curved to hold position while tightening. Heavy gauge serves as bearing surface for nuts.

GASKETS
NSF 61 compliant virgin SBR rubber compounded for water and sewer service in accordance with ASTM D 2000. Specially designed grid pattern and tapered ends to assure seal around full circumference of pipe. Reinforced ring at outlet provides hydrodynamic seal. Other compounds available for petroleum or high temperature service, or other special applications.

WELDS

GMAW and GTAW weld processes. 308L Stainless Steel filler wire used as appropriate. Flange weld is GMAW type proprietary process. Tapping Sleeve is fully passivated for enhanced corrosion resistance.

PRESSURE

When properly installed, the Romac Style SST-H Tapping Sleeve can work at pressures up to 150 psi.

SIZE

See Catalog.

HDPE PRODUCT LIMITATIONS

- Pipe must be manufactured in accordance with AWWA Standard C906-90.
- Operating temperatures are limited to 85° F maximum and 32° F minimum.
- Operating pressure is limited to 150 psi or the rating of the pipe, whichever is less.
- Pipe systems must be designed to compensate for pipe movement so as to prevent fittings from migrating or rating on the pipe.
- Products are intended for use in underground service only.
- SST-H are not to be used on pressurized HDPE pipe with an SDR greater than 17.

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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