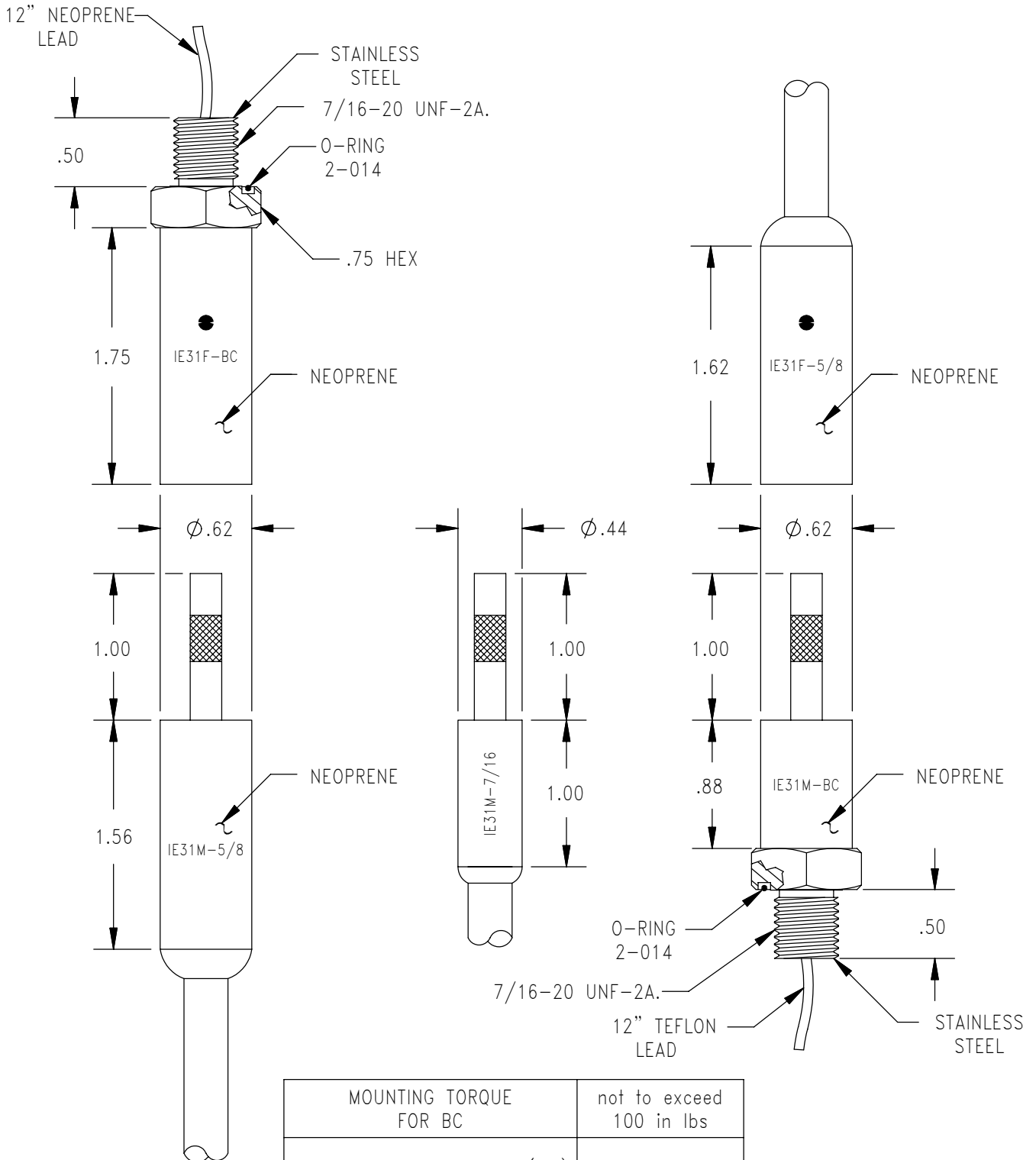


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- DESCRIPTION AND MATERIAL
- Molded neoprene with improved sealing ability.
 - One to four contacts.
 - Up to 600 VDC, 15 AMPS.
 - Rated to 10,000 psi, contact factory for higher rating.
 - Bulkhead connector design open face pressure rated to 5000 PSI.
 - O-rings molded in female connector.
- CABLE
- Connectors in this series are molded on a 24" length of 16 AWG SO cable unless otherwise specified.
 - Bulkhead connectors have 12" teflon leads, Type E per MIL 16878/4 16 AWG, or 12" Belden 34416 leads (Neoprene jacket).
- USES
- Mates with other manufacturers connectors of same design.
 - Permits underwater plugging and unplugging with power off.
 - Light to heavy duty applications.
 - Hazardous environments.
- GUIDELINES
- All mounting surfaces require a 32 finish.
 - Lubricate male pins liberally with Dow Corning #111 Valve Lubricant or equivalent and apply a small amount in each hole of female socket. Connectors must be lubricated on a regular basis.
 - Lubricate o-rings with Dow Corning #111 Valve Lubricant or equivalent.
 - Replace o-rings when re-using connectors.
 - Align index pin prior to mating.
 - Avoid nicks and cuts around contacts as these are the sealing surfaces.
 - Elastomers can be seriously degraded if exposed to direct sunlight or high ozone levels for extended periods of time.
 - Do not over tighten bulkhead nuts.
 - Do not pull on cable to disconnect.
 - Avoid sharp bends at cable entry to connector.

IE31-BC

IE UNDERWATER PLUGGABLE SERIES 3



| | |
|--|--------------------------|
| MOUNTING TORQUE FOR BC | not to exceed 100 in lbs |
| MATED PRESSURE RATING (psi) | 10,000 |
| DUMMY PLUG FOR IE31M-5/8, IE31M-BC | IE31F-5/8-D0* |
| DUMMY PLUG FOR IE31F-BC, IE31F-5/8 | IE31M-5/8-D0* |
| * Dummy plugs found on Page 75 110 | |
| ** Shorted dummies (DS) available upon request | |