



closing the loop on thermal solutions

www.durexindustries.com



WEAR COATED MELT BOLT SENSORS

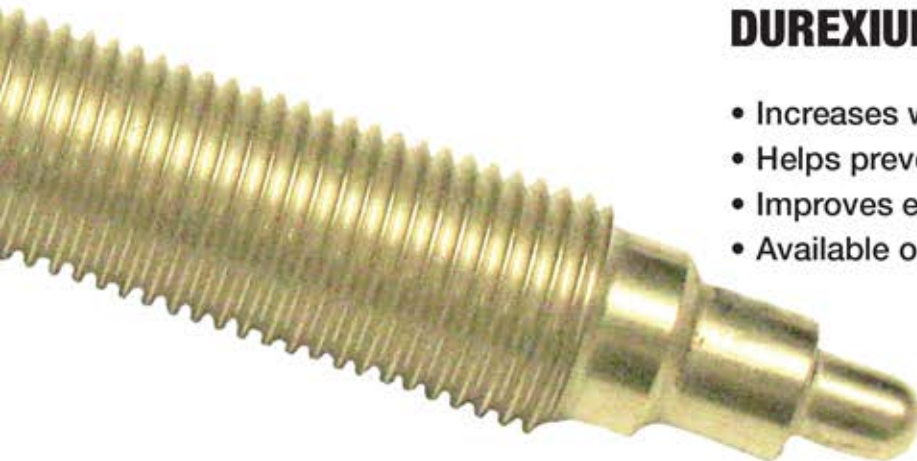


DUREXIUM™

Durex is pleased to offer Durexium™, a multi-layer coating option, on all Melt Bolt Style Temperature Sensors. This multi-layer coating consists of 16 different layers of Titanium Nitride and Zirconium Nitride, which is deposited using a cathodic arc PVD process at a temperature of 800 °F. The alternating layers produce a synergistic affect that results in a Vickers hardness of over 4400 Hv. This enhanced hardness combined with the coatings superior abrasion resistance and lubricity results in wear life of up to 12 times longer than typical non-coated sensors. This option has been shown to be especially effective when extruding or molding plastics reinforced with glass fiber or other abrasive materials. Durexium™ coating has also been proven to be effective in extremely abrasive pet food extrusion equipment resulting in drastic improvement in wear life over non-coated sensors.

DUREXIUM™ FEATURES

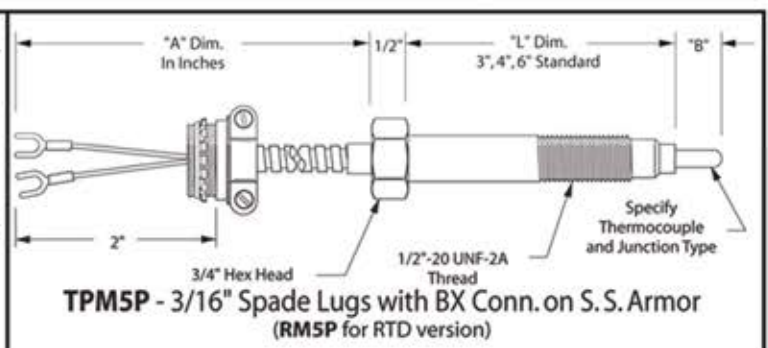
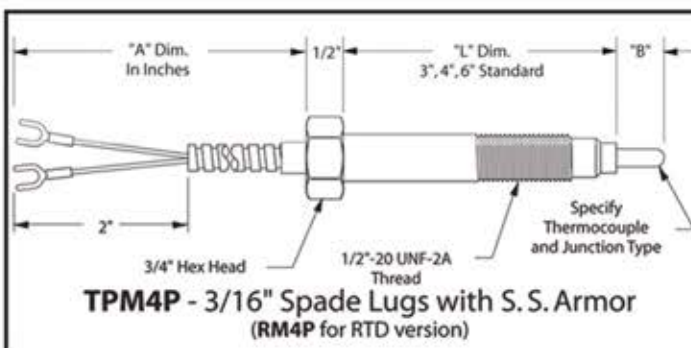
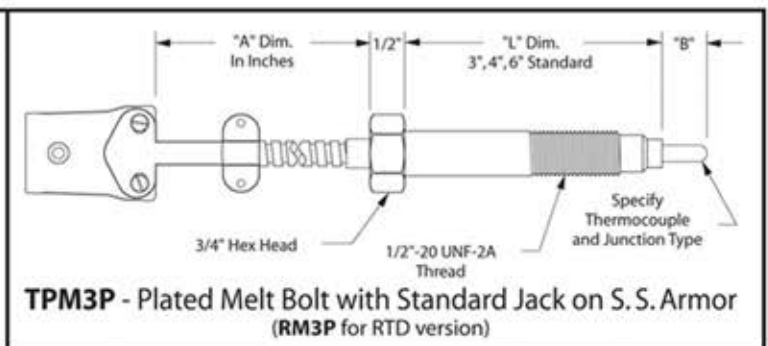
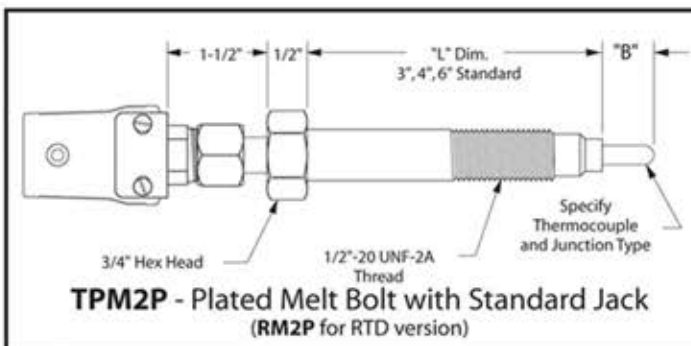
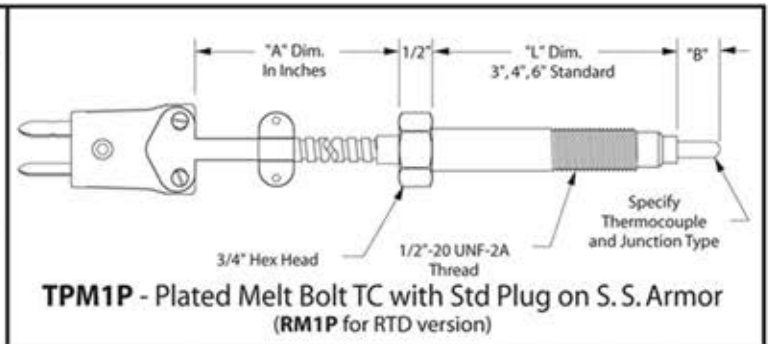
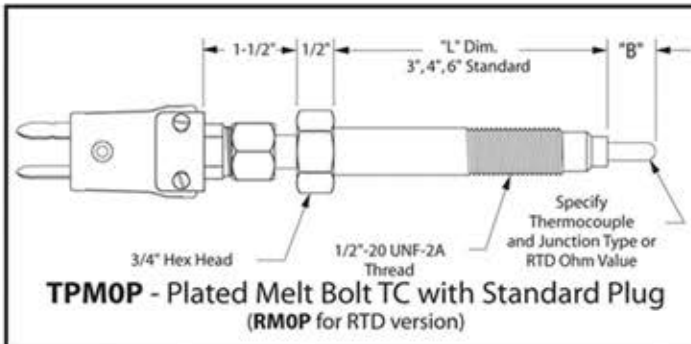
- Increases wear life of sensor by up to 12 times
- Helps prevent material buildup on measuring surface
- Improves ease of bolt removal
- Available on all styles of Durex Melt Bolt Sensors



WEAR COATED MELT BOLT SENSORS

DUREXIUM™ PLATED MELT BOLT THERMOCOUPLES AND RTDS

Durexium™ plated melt bolts are designed for dependable temperature measurement of the plastic melt stream within extruders and injection molding equipment where abrasive media can reduce life due to excessive wear. Standard assemblies are supplied with mineral insulated sensing elements for extended pressure and temperature performance.



Contact Durex Industries for proper parts selection.



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Visit us on-line at: www.durexindustries.com or e-mail: sales@durexindustries.com

#XIUM-SPEC-0312