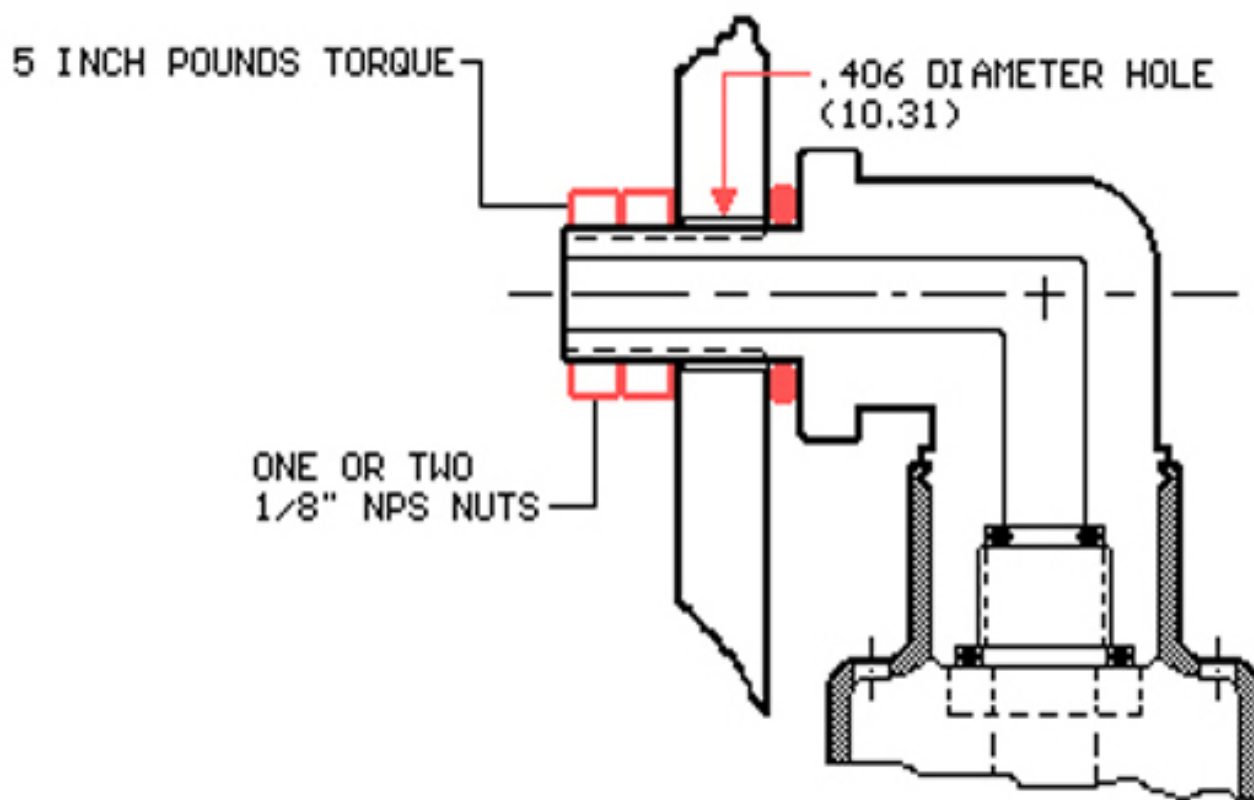


TECH NOTE

TN-116 – 10-700-N8 Torque Limits

The 10-700-N8 is a single-thread nut. When installed on Series 10 sensor products, the limiting factor with respect to strength of thread engagement is the shear strength of the molded plastic material of both male and female parts. Avoid excessive torque. This could cause thread failure. Using two nuts will distribute the load on the threads and generally allow higher installation torque.

5 inch pounds applied to single or double nuts is ample to create a flat on the O-ring, effect a seal, and make a stable assembly. Higher torsional loads may deform parts.



10-700-N8 installation cross-section. Apply 5 inch-pounds maximum torque. Hole diameter .406 (10.31 mm). One or two 1/8" NPS nuts shown.

Torque Limit

5 inch-pounds maximum — single or double nut configuration. This is hand-tight plus approximately 1/4 turn with a small wrench. Do not use power tools. Thread failure in plastic is sudden and not recoverable.