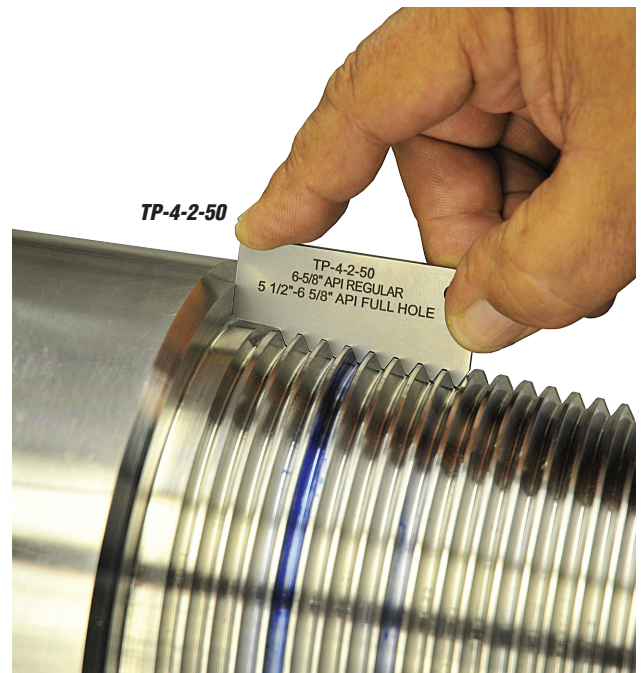


Thread Form Inspection

Thread form accuracy is important if two connections are to make-up properly. Using a Thread Profile Gage provides a quick check of the thread to ensure that the form is correct. The Thread Profile should be used on every connection to ensure the first imperfect thread was deburred fully.

Thread form is defined as its profile in an axial plane for a length of one pitch. Most importantly, verifying thread form is a recommended inspection for API connections and ensures form accuracy.



Thread Profile Gages

Gagemaker manufactures precision tapered thread profile gages for the quick identification of product thread forms. Specify the connection which is to be inspected when ordering. Special profiles will be quoted upon request.

Model	Connection Type	TPI, TPF, Thread Form
TP-3-1.25-84	2 $\frac{3}{8}$ " - 3 $\frac{1}{2}$ " Hughes Slimline H-90	3 TPI, 1.25" TPF, 90-V-0.084
TP-3.5-2-50	3 $\frac{1}{2}$ " - 6 $\frac{5}{8}$ " Hughes H-90	3.5 TPI, 2" TPF, 90-V-0.050
TP-3.5-3-50	7" - 8 $\frac{5}{8}$ " Hughes H-90	3.5 TPI, 3" TPF, 90-V-0.050
TP-4-1.5-76	2 $\frac{3}{8}$ " - 3 $\frac{1}{2}$ " P.A.C. Connections 2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " American Open Hole	4 TPI, 1.5" TPF, V-0.076
TP-4-2-50	6 $\frac{5}{8}$ " API REG 5 $\frac{1}{2}$ " & 6 $\frac{5}{8}$ " API Full Hole	4 TPI, 2" TPF, V-0.050
TP-4-2-38	3 $\frac{1}{2}$ " - 5 $\frac{1}{2}$ " Double Streamline, 3 $\frac{1}{2}$ " - 4 $\frac{1}{2}$ " External Flush, 4" API Full Hole, 2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " Hughes Slim Hole, 2 $\frac{7}{8}$ " - 5" Hughes Xtra Hole, 2 $\frac{3}{8}$ " - 6 $\frac{5}{8}$ " Internal Flush 2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " Wide Open API Numbered Connections #23 - #50	4 TPI, 2" TPF, V-0.038R
TP-4-3-38	API Numbered Connections #56 - #77	4 TPI, 3" TPF, V-0.038R
TP-4-3-50	5 $\frac{1}{2}$ ", 7 $\frac{5}{8}$ ", & 8 $\frac{5}{8}$ " API REG	4 TPI, 3" TPF, V-0.050
TP-5-3-40	2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " API REG 2 $\frac{7}{8}$ ", 3 $\frac{1}{2}$ ", 4 $\frac{1}{2}$ " API Full Hole	5 TPI, 3" TPF, V-0.040
TP-6-1.5-55	API Numbered Connections #10, #12, #13, #16 M.T. (Macaroni Tubing)	6 TPI, 1.5" TPF, V-0.055
TP-6-2-32	2 $\frac{3}{8}$ " - 2 $\frac{7}{8}$ " Hughes External Flush	6 TPI, 2" TPF, V-0.032

Special profiles and overlay charts are available. For information on those available, please contact customer service. For Special Overlays, please specify the following: 1. Screen Size, 2. Magnification 20X/50X, and 3. Product Form or Profile Template