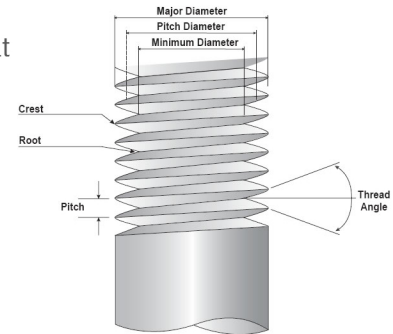


THREAD PITCH CHART

FINE THREAD SERIES

Thread series cover designations of diameter/pitch combinations that are measured by the number of threads per inch (TPI) applied to a single diameter.

Fine Thread Series (UNF/UNRF) is commonly used in precision applications. Because of the larger tensile stress areas, they have high tension strength. However, longer engagement is required for fine thread applications to prevent stripping.



Nominal Size & Threads Per Inch	Basic Pitch Diameter (Inches)	Section at Minor Diameter (In ²)	Tensile Stress Area (In ²)
$\frac{3}{8}$ - 24	0.3479	0.0809	0.0878
$\frac{7}{16}$ - 20	0.4050	0.1090	0.1187
$\frac{1}{2}$ - 20	0.4675	0.1486	0.1599
$\frac{9}{16}$ - 18	0.5264	0.189	0.203
$\frac{5}{8}$ - 18	0.5889	0.240	0.256
$\frac{3}{4}$ - 16	0.7094	0.351	0.373
$\frac{7}{8}$ - 14	0.8286	0.480	0.509
1 - 12	0.9459	0.625	0.663
$1\frac{1}{8}$ - 12	1.0709	0.812	0.856
$1\frac{1}{4}$ - 12	1.1959	1.024	1.073
$1\frac{3}{8}$ - 12	1.3209	1.260	1.315
$1\frac{1}{2}$ - 12	1.4459	1.521	1.581

Mudge carries over 60,000 unique items and can source many more. If you're looking for a particular fine thread bolt, screw or nut, please contact us for a quote today.

Need more information on thread pitch? We're here to help!