

FASTENER THREAD PITCH CHART - COARSE



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

Coarse Thread Series (UNC/UNRC) is the most common designation for general application bolts and nuts. Coarse thread is beneficial, because they are less likely to cross thread, more tolerant in adverse conditions and facilitate quick assembly.

Nominal Size & Threads Per Inch	Basic Pitch Diameter (Inches)	Section at Minor Diameter (In ²)	Tensile Stress Area (In ²)
3 / 8 - 16	0.3344	0.0678	0.0775
7/16- 14	0.3911	0.0933	0.1063
1 / 2 - 13	0.4500	0.1257	0.1419
9/16- 12	0.5084	0.162	0.182
5/8-11	0.5660	0.202	0.226
3/4-10	0.6850	0.302	0.334
7/8-9	0.8028	0.419	0.462
1 - 8	0.9188	0.551	0.606
1-1/8-7	1.0322	0.693	0.763
1-1/4-7	1.1572	0.890	0.969
1-3/8-6	1.2667	1.054	1.155
1-1/2- 6	1.3917	1.294	1.405
1-3/4- 5	1.6201	1.74	1.90
2-4-1/2	1.8557	2.30	2.50
2-1/4- 4-1/2	2.1057	3.02	3.25
2- 1 / 2 - 4	2.3376	3.72	4.00
2- 3 / 4 - 4	2.5876	4.62	4.93
3 - 4	2.8376	5.62	5.97
3 - 1 / 4 - 4	3.0876	6.72	7.10
3 - 1 / 2 - 4	3.3376	7.92	8.33
3 - 3 / 4 - 4	3.5876	9.21	9.66
4 - 4	3.8376	10.61	11.08