

NOMINAL THREAD SIZES FOR CAD — UNC / UNF

Unified UN / UNR · classes 3A

Nominal (basic)
diameters:
the sizes a CAD
model is drawn at
57 threads · 2026-
10-21

Thread · **major Ø nominal** · **pitch Ø nominal** · minor Ø nominal — diameters in in

#0-80 UNF	0.0600	0.0519	0.0465	1/2-13 UNC	0.5000	0.4500	0.4167
#1-72 UNF	0.0730	0.0640	0.0580	9/16-18 UNF	0.5625	0.5264	0.5024
#1-64 UNC	0.0730	0.0629	0.0561	9/16-12 UNC	0.5625	0.5084	0.4723
#2-64 UNF	0.0860	0.0759	0.0691	5/8-18 UNF	0.6250	0.5889	0.5649
#2-56 UNC	0.0860	0.0744	0.0667	5/8-11 UNC	0.6250	0.5660	0.5266
#3-56 UNF	0.0990	0.0874	0.0797	3/4-16 UNF	0.7500	0.7094	0.6823
#3-48 UNC	0.0990	0.0855	0.0764	3/4-10 UNC	0.7500	0.6850	0.6417
#4-48 UNF	0.1120	0.0985	0.0894	7/8-14 UNF	0.8750	0.8286	0.7977
#4-40 UNC	0.1120	0.0958	0.0849	7/8-9 UNC	0.8750	0.8028	0.7547
#5-44 UNF	0.1250	0.1102	0.1004	1-12 UNF	1.0000	0.9459	0.9098
#5-40 UNC	0.1250	0.1088	0.0979	1-8 UNC	1.0000	0.9188	0.8647
#6-40 UNF	0.1380	0.1218	0.1109	1-1/8-12 UNF	1.1250	1.0709	1.0348
#6-32 UNC	0.1380	0.1177	0.1042	1-1/8-7 UNC	1.1250	1.0322	0.9704
#8-36 UNF	0.1640	0.1460	0.1339	1-1/4-12 UNF	1.2500	1.1959	1.1598
#8-32 UNC	0.1640	0.1437	0.1302	1-1/4-7 UNC	1.2500	1.1572	1.0954
#10-32 UNF	0.1900	0.1697	0.1562	1-3/8-12 UNF	1.3750	1.3209	1.2848
#10-24 UNC	0.1900	0.1629	0.1449	1-3/8-6 UNC	1.3750	1.2667	1.1946
#12-28 UNF	0.2160	0.1928	0.1773	1-1/2-12 UNF	1.5000	1.4459	1.4098
#12-24 UNC	0.2160	0.1889	0.1709	1-1/2-6 UNC	1.5000	1.3917	1.3196
1/4-28 UNF	0.2500	0.2268	0.2113	1-3/4-5 UNC	1.7500	1.6201	1.5335
1/4-20 UNC	0.2500	0.2175	0.1959	2-4.5 UNC	2.0000	1.8557	1.7594
5/16-24 UNF	0.3125	0.2854	0.2674	2-1/4-4.5 UNC	2.2500	2.1057	2.0094
5/16-18 UNC	0.3125	0.2764	0.2524	2-1/2-4 UNC	2.5000	2.3376	2.2294
3/8-24 UNF	0.3750	0.3479	0.3299	2-3/4-4 UNC	2.7500	2.5876	2.4794
3/8-16 UNC	0.3750	0.3344	0.3073	3-4 UNC	3.0000	2.8376	2.7294
7/16-20 UNF	0.4375	0.4050	0.3834	3-1/4-4 UNC	3.2500	3.0876	2.9794
7/16-14 UNC	0.4375	0.3911	0.3602	3-1/2-4 UNC	3.5000	3.3376	3.2294
1/2-20 UNF	0.5000	0.4675	0.4459	3-3/4-4 UNC	3.7500	3.5876	3.4794