

UNC Threads

Size	Major Dia	Threads Per Inch	Pitch	P/4	P/8	Pitch Dia	Minor Dia External	Depth External	Minor Dia Internal	Depth Internal	Minor Dia Area	Tensile Stress Area
inch	inch	tpi	inch	inch	inch	inch	inch	inch	inch	inch	sq. inch	sq. inch
#1	0.073	64	0.01563	0.00390625	0.00195313	0.0629	0.056085438	0.008457281	0.0561	0.008457275	0.00218	0.00263
#2	0.086	56	0.01786	0.00446429	0.00223214	0.0744	0.066669071	0.009665464	0.0667	0.009665458	0.0031	0.0037
#3	0.099	48	0.02083	0.00520833	0.00260417	0.0855	0.07644725	0.011276375	0.0764	0.011276367	0.00406	0.00487
#4	0.112	40	0.02500	0.00625000	0.00312500	0.0958	0.0849367	0.01353165	0.0849	0.013531641	0.00496	0.00604
#5	0.125	40	0.02500	0.00625000	0.00312500	0.1088	0.0979367	0.01353165	0.0979	0.013531641	0.00672	0.00796
#6	0.138	32	0.03125	0.00781250	0.00390625	0.1177	0.104170875	0.016914563	0.1042	0.016914551	0.00745	0.00909
#8	0.164	32	0.03125	0.00781250	0.00390625	0.1437	0.130170875	0.016914563	0.1302	0.016914551	0.01196	0.014
#10	0.19	24	0.04167	0.01041667	0.00520833	0.1629	0.1448945	0.02255275	0.1449	0.022552734	0.0145	0.0175
#12	0.216	24	0.04167	0.01041667	0.00520833	0.1889	0.1708945	0.02255275	0.1709	0.022552734	0.0206	0.0242
1/4	0.25	20	0.05000	0.01250000	0.00625000	0.2175	0.1958734	0.0270633	0.1959	0.027063281	0.0269	0.0318
5/16	0.313	18	0.05556	0.01388889	0.00694444	0.2764	0.252359333	0.030070333	0.2524	0.030070313	0.0454	0.0524
3/8	0.375	16	0.06250	0.01562500	0.00781250	0.3344	0.30734175	0.033829125	0.3073	0.033829102	0.0678	0.0775
7/16	0.438	14	0.07143	0.01785714	0.00892857	0.3911	0.360176286	0.038661857	0.3602	0.03866183	0.0933	0.1063
1/2	0.5	13	0.07692	0.01923077	0.00961538	0.45	0.416728308	0.041635846	0.4167	0.041635817	0.1257	0.1419
9/16	0.563	12	0.08333	0.02083333	0.01041667	0.5084	0.472289	0.0451055	0.4723	0.045105469	0.162	0.182
5/8	0.625	11	0.09091	0.02272727	0.01136364	0.566	0.526588	0.049206	0.5266	0.049205966	0.202	0.226
3/4	0.75	10	0.10000	0.02500000	0.01250000	0.685	0.6417468	0.0541266	0.6417	0.054126563	0.302	0.334
7/8	0.875	9	0.11111	0.02777778	0.01388889	0.8028	0.754718667	0.060140667	0.7547	0.060140625	0.419	0.462
1	1	8	0.12500	0.03125000	0.01562500	0.9188	0.8646835	0.06765825	0.8647	0.067658203	0.551	0.606
1-1/8	1.125	7	0.14286	0.03571429	0.01785714	1.0322	0.970352571	0.077323714	0.9704	0.077323661	0.693	0.763
1-1/4	1.25	7	0.14286	0.03571429	0.01785714	1.1572	1.095352571	0.077323714	1.0954	0.077323661	0.89	0.969
1-3/8	1.375	6	0.16667	0.04166667	0.02083333	1.2667	1.194578	0.090211	1.1946	0.090210938	1.054	1.155
1-1/2	1.5	6	0.16667	0.04166667	0.02083333	1.3917	1.319578	0.090211	1.3196	0.090210938	1.294	1.405
1-3/4	1.75	5	0.20000	0.05000000	0.02500000	1.6201	1.5334936	0.1082532	1.5335	0.108253125	1.74	1.9
2	2	4	0.25000	0.06250000	0.03125000	1.8557	1.729367	0.1353165	1.7594	0.135316406	2.3	2.5
2-1/4	2.25	4	0.25000	0.06250000	0.03125000	2.1057	1.979367	0.1353165	2.0094	0.135316406	3.02	3.25
2-1/2	2.5	4	0.25000	0.06250000	0.03125000	2.3376	2.229367	0.1353165	2.2294	0.135316406	3.72	4
2-3/4	2.75	4	0.25000	0.06250000	0.03125000	2.5876	2.479367	0.1353165	2.4794	0.135316406	4.62	4.93
3	3	4	0.25000	0.06250000	0.03125000	2.8376	2.729367	0.1353165	2.7294	0.135316406	5.62	5.97
3-1/4	3.25	4	0.25000	0.06250000	0.03125000	3.0876	2.979367	0.1353165	2.9794	0.135316406	6.72	7.1
3-1/2	3.5	4	0.25000	0.06250000	0.03125000	3.3376	3.229367	0.1353165	3.2294	0.135316406	7.92	8.33
3-3/4	3.75	4	0.25000	0.06250000	0.03125000	3.5876	3.479367	0.1353165	3.4794	0.135316406	9.21	9.66

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