



## Internal Thread Dimensions for Unified UNC Screw Threads

Diameter	Pitch TPI	Thread Fit Class	Major Diameter		Pitch Diameter		Minor Diameter		Stress Area in <sup>2</sup>
			Max	Min	Max	Min	Max	Min	
No 1	64	2B		0.0730	0.0655	0.0629	0.0623	0.0561	0.00263
No 2	56	2B		0.0860	0.0772	0.0744	0.0737	0.667	0.00370
No 3	48	2B		0.0990	0.0855	0.0855	0.0845	0.0764	0.00487
No 4	40	2B		0.1120	0.0991	0.0958	0.0939	0.0849	0.00604
No 5	40	2B		0.1250	0.1121	0.1088	0.1062	0.0979	0.00796
No 6	32	2B		0.1380	0.1214	0.1177	0.1140	0.1040	0.00909
No 8	32	2B		0.1640	0.1475	0.1437	0.1390	0.1300	0.01400
No 10	24	2B		0.1900	0.1672	0.1629	0.1560	0.1450	0.01750
No 12	24	2B		0.2160	0.1933	0.1889	0.1810	0.1710	0.02420
1/4"	20	2B		0.2500	0.2224	0.2175	0.2070	0.1960	0.03180
5/16"	18	2B		0.3125	0.2817	0.2764	0.2650	0.2520	0.05240
3/8"	16	2B		0.3750	0.3401	0.3344	0.3210	0.3070	0.07750
7/16"	14	2B		0.4375	0.3972	0.3911	0.3760	0.3600	0.10600
1/2"	13	2B		0.5000	0.4565	0.4500	0.4340	0.1470	0.1420
9/16"	12	2B		0.5625	0.5125	0.5084	0.4900	0.4720	0.1820
5/8"	11	2B		0.6250	0.5732	0.5660	0.5460	0.5270	0.2260
3/4"	10	2B		0.7500	0.6927	0.6850	0.6630	0.6420	0.3340
7/8"	9	2B		0.8750	0.8110	0.8028	0.7780	0.7550	0.4620
1"	8	2B		1.0000	0.9276	0.9188	0.8900	0.8650	0.6060
1.1/8"	7	2B		1.1250	1.0416	1.0322	0.9980	0.9700	0.7630
1.1/4"	7	2B		1.2500	1.1668	1.1572	1.1230	1.0950	0.9690
1.3/8"	6	2B		1.3750	1.2771	1.2667	1.2250	1.1950	1.1600
1.1/2"	6	2B		1.5000	1.4075	1.3917	1.3500	1.3200	1.4100
1.3/4"	5	2B		1.7500	1.6317	1.6201	1.5680	1.5340	1.9000
2"	4.1/2	2B		2.0000	1.8681	1.8557	1.7950	1.7590	2.5000
2.1/4"	4.1/2	2B		2.2500	2.1183	2.1057	2.0450	2.0090	3.2500
2.1/2"	4	2B		2.5000	2.3511	2.3376	2.2670	2.2290	4.0000
2.3/4"	4	2B		2.7500	2.6013	2.5876	2.5170	2.4790	4.9300
3"	4	2B		3.0000	2.8515	2.8376	2.7670	2.7290	5.9700
3.1/4"	4	2B		3.2500	3.1017	3.0876	3.0170	2.9790	7.1000
3.1/2"	4	2B		3.5000	3.3519	3.3376	3.2670	3.2290	8.3300
3.3/4"	4	2B		3.7500	3.6021	3.5876	3.5170	3.4790	9.6600
4"	4	2B		4.0000	3.8523	3.8376	3.7670	3.7290	11.0800