

Table of Standard Threads

Tap size	NF/NC UNF/UNC	Threads per inch	Basic major dia (inches)	Basic effective dia (inches)	Basic minor dia of ext. threads (inches)	Basic minor dia of int. threads (inches)	Drill size	Tap Drill Decimal Inch
0-80	UNF	80	0.06	0.0519	0.0447	0.0465	3/64	0.0469
1-64	UNC	64	0.073	0.0629	0.0538	0.0561	#54	0.055
1-72	UNF	72	0.073	0.064	0.055		#53	0.0595
2-56	UNC	56	0.086	0.0744	0.0641	0.0667	#50	0.07
2-64	UNF	64	0.086	0.0759	0.0668	0.0691	#50	700
4-40	UNC	40	0.112	0.0958	0.0813	0.0849	#43	0.0795
4-48	UNF	48	0.112	0.0985	0.0864	0.0894	#42	0.0935
5-40	UNC	40	0.125	0.1088	0.0943	0.0979	#38	0.1015
5-44	UNF	44	0.125	0.1102	0.0971	0.1004	#37	0.104
6-32	UNC	32	0.136	0.1177	0.0997	0.1042	#36	0.1065
6-40	UNF	40	0.136	0.1218	0.1073	0.1109	#33	0.113
8-32	UNC	32	0.164	0.1437	0.1257	0.1302	#29	0.136
8-36	UNF	36	0.164	0.146	0.1299	0.1339	#29	0.136
10-24	UNC	24	0.19	0.1629	0.1389	0.1449	#25	0.1495
10-32	UNF	32	0.19	0.1697	0.1517	0.1562	#21	0.159
12-24	UNC	24	0.216	0.1889	0.1619		#16	0.177
1/4-20	UNC	20	0.25	0.2175	0.1887	0.1959	#7	0.201
1/4-28	UNF	28	0.25	0.2268	0.2062	0.2113	#3	0.213
5/16-18	UNC	18	0.3125	0.2764	0.2443	0.2524	F	0.257
5/16-24	UNF	24	0.3125	0.2854	0.2614	0.2674	I	0.272
3/8-16	UNC	16	0.375	0.3344	0.2983	0.3073	5/16	0.3125
3/8-24	UNF	24	0.375	0.3479	0.3239	0.3299	Q	0.332
7/16-14	UNC	14	0.4375	0.3911	0.3499	0.3602	U	0.368
7/16-20	UNF	20	0.4375	0.405	0.3762	0.3834	25/64	0.3906
1/2-13	UNC	13	0.5	0.45	0.4056	0.4167	27/64	0.4219

1/2-20	UNF	20	0.5	0.4675	0.4387	0.4459	29/64	0.4531
9/16-12	UNC	12	0.5625	0.5084	0.4603	0.4723	31/64	0.4844
9/16-18	UNF	18	0.5625	0.5264	0.4943	0.5024	33/64	0.5156
5/8-11	UNC	11	0.625	0.566	0.5135	0.5266	17/32	0.5312
5/8-18	UNF	18	0.625	0.5869	0.5568	0.5649	37/64	0.5781
3/4-10	UNC	10	0.75	0.665	0.6273	0.6417	21/32	0.6562
3/4-16	UNF	16	0.75	0.7094	0.6733	0.6823	11/16	0.6875
7/8-9	UNC	9	0.875	0.8028	0.7387	0.7547	49/64	0.7656
7/8-14	UNF	14	0.875	0.8286	0.7874	0.7977	13/16	0.8125
1-8	UNC	8	1	0.9188	0.8466	0.8647	7/8	0.875
1-14	UNF	14	1	0.9459	0.8978	0.9098	15/16	0.9375
1 1/8-7	UNC	7	1.125	1.0322	0.9497	0.9704	63/64	0.9844
1 1/8-12	UNF	12	1.125	1.0709	1.0228	1.0348	1 3/64	1.0469
1 1/4-7	UNC	7	1.25	1.1572	1.0747	1.0954	1 7/64	1.1094
1 3/8-6	UNC	6	1.375	1.2667	1.1705	1.1946	1 13/64	1.2031
1 1/2-6	UNC	6	1.5	1.3917	1.2955	1.3196	1 11/32	1.3438