

Steve's Table of Screw Threads and Tap Drill Sizes

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Introduction to the Tables

These tables present a comprehensive list of British Association (BA), British Standard Fine (BSF), British Standard Whitworth (BSW), ISO Metric (MM), National Coarse (NC), and National Fine (NF) screw threads together with recommended tap drill sizes.

As you probably know, a tapping hole that gives as little as 55% thread will still yield threads that are about as strong as the bolt itself. A tapping hole that gives a larger percentage of thread will be proportionally harder to tap with little actual benefit. A tapping hole giving about 75% thread is generally regarded as a good compromise, giving a suitable margin of safety while still being relatively easy to tap.

The actual choice of tapping hole size depends upon the particular situation. In some cases, a higher percentage of thread may be desirable and in some cases a lower percentage may be desirable.

For example, if you are tapping a thin piece of material that will receive only a few threads, a higher percentage of thread may be advisable. On the other hand, if you are tapping a hole that is quite long relative to its diameter, even a 55% thread may be satisfactory.

To assist in choosing a tap drill other than the one recommended for “average” conditions, the tables below give a tapping hole size range for each thread showing the theoretical hole diameter that will yield 65% thread, 75% thread, and 85% thread. You can, if the situation warrants it, choose a tap drill based on these figures to yield the percentage thread required.

You should remember that drills typically cut slightly oversize, so a drill for a hole diameter to yield, say, a 75% thread will in actuality produce a hole yielding a slightly lesser percentage of thread. According to a chart published by the Greenfield Tap &

Die Company, a #56 drill may be expected to cut about .0015” oversize, while a #7 drill may be expected to cut about .004” oversize and a 1/2” drill about .005” oversize. One can therefore expect the actual percentage of thread to be about 10% less than theoretical for a 0-80 thread, 6% less for a 1/4-20 thread, 5% less for a 1/2-13 thread, and 4% less for a 1-8 thread.

You can, if you want, figure out the theoretical hole diameter for any thread percentage using the following formula:

Hole Diameter = Bolt Diameter - 2 x K x Pitch x Percentage

K = .6000 for BA threads

K = .6403 for BSF and BSW threads

K = .6134 for ISO Metric threads

K = .6495 for NC and NF threads

For example, if you want to find what theoretical tapping hole diameter will yield an 80% thread with a 2BA tap, the numbers (in inches) are:

.1544 = Hole Diameter = .185 - 2 x .6 x .0319 x .80

Checking the table, we see that .1544 is exactly halfway between the figures given for a 75% 2BA thread (.1563) and an 85% 2BA thread (.1525), as one might expect.

Metric dimensions in the tables are designated with a small m except for those in the columns “MM Pitch” and “MM,” which are assumed to be metric in all cases.

The metric thread pitches are designated Mc (metric coarse) or Mf (metric fine) as they are shown in a table on page 1357 of the 21st edition of *Machinery's Handbook*. Four thread pitches (M1.0x.20, M1.1x.20, M1.2x.20, and M1.4x.20) that appear in the tables below do not appear in the table in *Machinery's Hand-*

book, so they are not identified as either coarse or fine. It looks as though they would probably be classed as Mf.

For any given bolt diameter, there seems to be only one coarse metric thread pitch designated, but there may be several fine thread pitches. For example, there is only Mc12.x1.75, but there are Mf12.x1.5, Mf12.x1.25, and Mf12.x1.0.

The “Common Tap Drill” is merely a guess. Use your own best judgement. The tap drills listed are English sizes (fractional, number, or letter) because it’s obvious from the metric dimensions in the “Theo.” column what an appropriate metric tap drill would be. It’s not so obvious what an appropriate fractional, number, or letter tap drill would be. In a few cases there is no obviously suitable English-dimension tap drill for a particular thread, so the two closest (larger and smaller) sizes are given.

If you need to tap one of those threads, you may want to bore the hole to tapping size or use a metric drill.

Other Useful Stuff

The formula for the diameter of a number-size screw is:

$$D = .013 \times N + .060$$

The pitch of a 0 BA screw is 1.00MM, by definition. The pitch of each size smaller BA screw is .9 times the pitch of the next larger.

The pitch of an *N* BA screw is therefore $.9^N$.

If You Find An Error..

Please send email to sas@ma.ultranet.com so I can fix it. Or, if you have some weird thread you’d like added to the tables, send email and I’ll see about putting it in an updated version.

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
133.68	0.19	0.0315 .80m	16BA				0.0257 0.65m 0.0248 0.63m 0.0239 0.61m	0.0250 {72}
127.0	0.20	0.0394 1.00m			M1.0x.20		0.0331 0.84m 0.0321 0.82m 0.0312 0.79m	0.0320 {67}
127.0	0.20	0.0433 1.10m			M1.1x.20		0.0370 0.94m 0.0361 0.92m 0.0351 0.89m}	0.0360 {64}
127.0	0.20	0.0472 1.20m			M1.2x.20		0.0410 1.04m 0.0400 1.02m 0.0390 0.99m	0.0400 {60}
127.0	0.20	0.0551 1.40m			M1.4x.20		0.0488 1.24m 0.0479 1.22m 0.0469 1.19m	0.0465 {56}
127.0	0.20	0.0630 1.60m			Mf1.6x.20		0.0567 1.44m 0.0557 1.42m 0.0548 1.39m	0.0550 {54}
127.0	0.20	0.0709 1.80m			Mf1.8x.20		0.0646 1.64m 0.0636 1.62m 0.0627 1.59m	0.0635 {52}
120.95	0.21	0.0354 0.90m	15BA				0.0290 0.74m 0.0276 0.71m 0.0270 0.69m	0.0280 {70}
120	0.212	0.0340 0.86m				000-120	0.0270 0.68m 0.0259 0.66m 0.0248 0.63m	0.0260 {71}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
110.44	0.23	0.0394 1.00m	14BA				0.0323 0.82m 0.0312 0.79m 0.0301 0.77m	0.0310 {68}
101.60	0.25	0.0394 1.00m			Mc1.0x.25		0.0315 0.80m 0.0303 0.77m 0.0291 0.74m	0.0310 {68}
101.60	0.25	0.0433 1.10m			Mc1.1x.25		0.0355 0.90m 0.0343 0.87m 0.0330 0.84m	0.0350 {65}
101.60	0.25	0.0472 1.20m			Mc1.2x.25		0.0394 1.00m 0.0382 0.97m 0.0370 0.94m	0.0380 {62}
101.60	0.25	0.0472 1.20m	13BA				0.0396 1.01m 0.0384 0.98m 0.0372 0.95m	0.0380 {62}
101.60	0.25	0.0787 2.00m			Mf2.0x.25		0.0709 1.80m 0.0697 1.77m 0.0685 1.74m	0.0700 {50}
101.60	0.25	0.0866 2.20m			Mf2.2x.25		0.0788 2.00m 0.0776 1.97m 0.0764 1.94m	0.0785 {47}
96	0.265	0.0470 1.19m				00-96	0.0382 0.97m 0.0369 0.94m 0.0355 0.90m	0.0370 {63}
90.71	0.28	0.0512 1.30m	12BA				0.0426 1.08m 0.0413 1.05m 0.0399 1.01m	0.0410 {59}
90	0.282	0.0470 1.19m				00-90	0.0376 0.96m 0.0362 0.92m 0.0347 0.88m	0.0370 {63}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
84.67	0.30	0.0551 1.40m			Mc1.4x.30		0.0457 1.16m 0.0443 1.12m 0.0428 1.09m	0.0430 {57}
81.94	0.31	0.0591 1.50m	11BA				0.0495 1.26m 0.0481 1.22m 0.0466 1.18m	0.0465 {56}
80	0.317	0.0600 1.52m				0-80NF	0.0494 1.26m 0.0478 1.21m 0.0462 1.17m	0.0469 {3/64}
80	0.317	0.2500 6.35m				1/4-80	0.2394 6.08m 0.2378 6.04m 0.2362 6.00m	0.2380 {B}
72.57	0.35	0.0630 1.60m			Mc1.6x.35		0.0520 1.32m 0.0503 1.28m 0.0486 1.24m	0.0520 {55}
72.57	0.35	0.0669 1.70m	10BA				0.0562 1.43m 0.0545 1.39m 0.0529 1.34m	0.0550 {54}
72.57	0.35	0.0709 1.80m			Mc1.8x.35		0.0599 1.52m 0.0582 1.48m 0.0565 1.44m	0.0595 {53}
72.57	0.35	0.0984 2.50m			Mf2.5x.35		0.0874 2.22m 0.0857 2.18m 0.0841 2.14m	0.0860 {44}
72.57	0.35	0.1181 3.00m			Mf3.0x.35		0.1071 2.72m 0.1054 2.68m 0.1037 2.64m	0.1065 {36}
72.57	0.35	0.1378 3.50m			Mf3.5x.35		0.1268 3.22m 0.1251 3.18m 0.1234 3.14m	0.1250 {1/8}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
72	0.353	0.0730 1.85m				1-72NF	0.0613 1.56m 0.0595 1.51m 0.0577 1.46m	0.0595 {53}
65.13	0.39	0.0748 1.90m	9BA				0.0628 1.60m 0.0610 1.55m 0.0591 1.50m	0.0625 {1/16}
64	0.397	0.0730 1.85m				1-64NC	0.0598 1.52m 0.0578 1.47m 0.0557 1.42m	0.0595 {53}
64	0.397	0.0860 2.18m				2-64NF	0.0728 1.85m 0.0708 1.80m 0.0687 1.75m	0.0700 {50}
63.50	0.40	0.0787 2.00m			Mc2.0x.40		0.0662 1.68m 0.0643 1.63m 0.0623 1.58m	0.0635 {52}
60	0.423	0.0625 1.59m		1/16-60BSW			0.0486 1.24m 0.0465 1.18m 0.0444 1.13m	0.0465 {56}
59.07	0.43	0.0866 2.20m	8BA				0.0734 1.86m 0.0714 1.81m 0.0693 1.76m	0.0700 {50}
56.44	0.45	0.0866 2.20m			Mc2.2x.45		0.0725 1.84m 0.0703 1.79m 0.0700 {50}	0.0681 1.73m
56.44	0.45	0.0984 2.50m			Mc2.5x.45		0.0843 2.14m 0.0821 2.09m 0.0800 2.03m	0.0820 {45}
56	0.454	0.0860 2.18m				2-56NC	0.0709 1.80m 0.0686 1.74m 0.0663 1.68m	0.0670 {51}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
56	0.454	0.0990 2.51m				3-56NF	0.0839 2.13m 0.0816 2.07m 0.0793 2.01m	0.0810 {46}
56	0.454	0.1900 4.83m				10-56	0.1749 4.44m 0.1726 4.38m 0.1703 4.33m	0.1730 {17}
52.92	0.48	0.0984 2.50m	7BA				0.0837 2.13m 0.0814 2.07m 0.0791 2.01m	0.0810 {46}
50.80	0.50	0.1181 3.00m			Mc3.0x.50		0.1024 2.60m 0.1000 2.54m 0.0976 2.48m	0.0995 {39}
50.80	0.50	0.1575 4.00m			Mf4.0x.50		0.1418 3.60m 0.1394 3.54m 0.1370 3.48m	0.1405 {28}
50.80	0.50	0.1772 4.50m			Mf4.5x.50		0.1615 4.10m 0.1591 4.04m 0.1566 3.98m	0.1590 {21}
50.80	0.50	0.1969 5.00m			Mf5.0x.50		0.1812 4.60m 0.1787 4.54m 0.1763 4.48m	0.1770 {16}
50.80	0.50	0.2165 5.50m			Mf5.5x.50		0.2008 5.10m 0.1984 5.04m 0.1960 4.98m	0.1990 {8}
48	0.529	0.0944 2.40m		3/32-48BSW			0.0770 1.96m 0.0744 1.89m 0.0717 1.82m	0.0730 {49}
48	0.529	0.0990 2.51m				3-48NC	0.0814 2.07m 0.0787 2.00m 0.0760 1.93m	0.0781 {5/64}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
48	0.529	0.1120 2.84m				4-48NF	0.0944 2.40m 0.0917 2.33m 0.0890 2.26m	0.0935 {42}
48	0.529	0.1380 3.51m				6-48	0.1204 3.06m 0.1177 2.99m 0.1150 2.92m	0.1160 {32}
47.93	0.53	0.1102 2.80m	6BA				0.0940 2.39m 0.0915 2.32m 0.0890 2.26m	0.0935 {42}
44	0.577	0.1250 3.18m				5-44NF	0.1058 2.69m 0.1029 2.61m 0.0999 2.54m	0.1040 {37}
43.05	0.59	0.1260 3.20m	5BA				0.1079 2.74m 0.1051 2.67m 0.1023 2.60m	0.1040 {37}
42.33	0.60	0.1378 3.50m			Mc3.5x.60		0.1190 3.02m 0.1161 2.95m 0.1132 2.87m	0.1160 {32}
40	0.635	0.1120 2.84m				4-40NC	0.0909 2.31m 0.0876 2.23m 0.0844 2.14m	0.0890 {43}
40	0.635	0.1250 3.18m				5-40NC	0.1039 2.64m 0.1006 2.56m 0.0974 2.47m	0.0995 {39}
40	0.635	0.1250 3.18m		1/8-40BSW			0.1042 2.65m 0.1010 2.57m 0.0978 2.48m	0.1004 {40}
40	0.635	0.1380 3.51m				6-40NF	0.1169 2.97m 0.1136 2.89m 0.1104 2.80m	0.1130 {33}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
40	0.635	0.1562 3.97m				5/32-40	0.1351 3.43m 0.1319 3.35m 0.1286 3.27m	0.1285 {30}
40	0.635	0.1875 4.76m				3/16-40	0.1664 4.23m 0.1631 4.14m 0.1599 4.06m	0.1610 {20}
40	0.635	0.2187 5.56m				7/32-40	0.1976 5.02m 0.1944 4.94m 0.1911 4.86m	0.1960 {9}
40	0.635	0.2500 6.35m				1/4-40	0.2289 5.81m 0.2256 5.73m 0.2224 5.65m	0.2280 {1}
40	0.635	0.3125 7.94m				5/16-40	0.2914 7.40m 0.2881 7.32m 0.2849 7.24m	0.2900 {L}
40	0.635	0.3750 9.53m				3/8-40	0.3539 8.99m 0.3506 8.91m 0.3474 8.82m	0.3480 {S}
40	0.635	0.4375 11.11m				7/16-40	0.4164 10.58m 0.4131 10.49m 0.4099 10.41m	0.4130 {Z}
40	0.635	0.5000 12.70m				1/2-40	0.4789 12.16m 0.4756 12.08m 0.4724 12.00m	0.4844 {31/64} 0.4687 {15/32}
38.49	0.66	0.1417 3.60m	4BA				0.1215 3.09m 0.1183 3.01m 0.1152 2.93m	0.1160 {32}
36.29	0.70	0.1575 4.00m			Mc4.0x.70		0.1355 3.44m 0.1321 3.36m 0.1287 3.27m	0.1285 {30}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
36	0.706	0.1640 4.17m				8-36NF	0.1405 3.57m 0.1369 3.48m 0.1333 3.39m	0.1360 {29}
34.80	0.73	0.1614 4.10m	3BA				0.1390 3.53m 0.1356 3.44m 0.1321 3.36m	0.1360 {29}
33.87	0.75	0.1772 4.50m			Mc4.5x.75		0.1536 3.90m 0.1500 3.81m 0.1464 3.72m	0.1495 {25}
33.87	0.75	0.2362 6.00m			Mf6.0x.75		0.2127 5.40m 0.2091 5.31m 0.2054 5.22m	0.2090 {4}
33.87	0.75	0.2756 7.00m			Mf7.0x.75		0.2520 6.40m 0.2484 6.31m 0.2448 6.22m	0.2460 {D}
33.87	0.75	0.3150 8.00m			Mf8.0x.75		0.2914 7.40m 0.2878 7.31m 0.2842 7.22m	0.2900 {L}
33.87	0.75	0.3543 9.00m			Mf9.0x.75		0.3308 8.40m 0.3272 8.31m 0.3235 8.22m	0.3281 {21/64}
33.87	0.75	0.3937 10.0m			Mf10.x.75		0.3702 9.40m 0.3665 9.31m 0.3629 9.22m	0.3680 {U}
33.87	0.75	0.4331 11.0m			Mf11.x.75		0.4095 10.40m 0.4059 10.31m 0.4023 10.22m	0.4040 {Y}
32	0.794	0.1380 3.51m				6-32NC	0.1116 2.84m 0.1076 2.73m 0.1035 2.63m	0.1065 {36}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
32	0.794	0.1562 3.97m		5/32-32BSW			0.1302 3.31m 0.1262 3.21m 0.1222 3.10m	0.1250 {1/8}
32	0.794	0.1640 4.17m				8-32NC	0.1376 3.50m 0.1336 3.39m 0.1295 3.29m	0.1360 {29}
32	0.794	0.1875 4.76m		3/16-32BSF			0.1615 4.10m 0.1575 4.00m 0.1535 3.90m	0.1570 {22}
32	0.794	0.1900 4.83m				10-32NF	0.1636 4.16m 0.1596 4.05m 0.1555 3.95m	0.1590 {21}
32	0.794	0.2500 6.35m				1/4-32NEF	0.2236 5.68m 0.2196 5.58m 0.2155 5.47m	0.2188 {7/32}
32	0.794	0.2812 7.14m				9/32-32	0.2549 6.47m 0.2508 6.37m 0.2467 6.27m	0.250 {1/4}
32	0.794	0.3125 7.94m				5/16-32NEF	0.2861 7.27m 0.2821 7.16m 0.2780 7.06m	0.2813 {9/32}
32	0.794	0.3750 9.53m				3/8-32NEF	0.3486 8.58m 0.3446 8.75m 0.3405 8.65m	0.3438 {11/32}
31.75	0.80	0.1969 5.00m			Mc5.0x.80		0.1717 4.36m 0.1679 4.26m 0.1640 4.17m	0.1660 {19}
31.36	0.81	0.1850 4.70m	2BA				0.1602 4.07m 0.1563 3.97m 0.1525 3.87m	0.1570 {22}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
28.22	0.90	0.2087 5.30m	1BA				0.1810 4.60m 0.1768 4.49m 0.1725 4.38m	0.1770 {16}
28	0.907	0.2160 5.49m				12-28NF	0.1858 4.72m 0.1812 4.60m 0.1766 4.48m	0.1800 {15}
28	0.907	0.2187 5.56m		7/32-28BSF			0.1890 4.80m 0.1844 4.68m 0.1799 4.57m	0.1820 {14}
28	0.907	0.2500 6.35m				1/4-28NF	0.2198 5.58m 0.2152 5.47m 0.2106 5.35m	0.2130 {3}
28	0.907	0.4375 11.11m				7/16-28NEF	0.4073 10.35m 0.4027 10.23m 0.3981 10.11m	0.4040 {Y}
28	0.907	0.5000 12.70m				1/2-28NEF	0.4698 11.93m 0.4652 11.82m 0.4606 11.70m	0.4688 {15/32}
26	0.977	0.2500 6.35m		1/4-26BSF			0.2180 5.54m 0.2131 5.41m 0.2081 5.29m	0.2090{4}
26	0.977	0.2812 7.14m		9/32-26BSF			0.2492 6.33m 0.2443 6.21m 0.2393 6.08m	0.2380 {B}
25.40	1.00	0.2362 6.00m	0BA				0.2055 5.22m 0.2008 5.10m 0.1961 4.98m	0.2010 {7}
25.40	1.00	0.2362 6.00m			Mc6.0x1.0		0.2048 5.20m 0.2000 5.08m 0.1952 4.96m	0.2010 {7}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
25.40	1.00	0.2756 7.00m			Mc7.0x1.0		0.2442 6.20m 0.2394 6.08m 0.2345 5.96m	0.2380 {B}
25.40	1.00	0.3150 8.00m			Mf8.0x1.0		0.2836 7.20m 0.2787 7.08m 0.2739 6.96m	0.2770 {J}
25.40	1.00	0.3543 9.00m			Mf9.0x1.0		0.3229 8.20m 0.3181 8.08m 0.3133 7.96m	0.3160 {O}
25.40	1.00	0.3937 10.0m			Mf10.x1.0		0.3623 9.20m 0.3575 9.08m 0.3526 8.96m	0.3580 {T}
25.40	1.00	0.4331 11.0m			Mf11.x1.0		0.4017 10.20m 0.3968 10.08m 0.3920 9.56m	0.3970 {X}
25.40	1.00	0.4724 12.0m			Mf12.x1.0		0.4410 11.20m 0.4362 11.08m 0.4314 10.96m	0.4375 {7/16}
25.40	1.00	0.5512 14.0m			Mf14.x1.0		0.5198 13.20m 0.5150 13.08m 0.5101 12.96m	0.5156 {33/64}
25.40	1.00	0.5906 15.0m			Mf15.x1.0		0.5592 14.20m 0.5543 14.08m 0.5495 13.96m	0.5468 {35/64} 0.5625 {9/16}
25.40	1.00	0.6299 16.0m			Mf16.x1.0		0.5985 15.20m 0.5937 15.08m 0.5889 14.96m	0.5937 {19/32}
25.40	1.00	0.6693 17.0m			Mf17.x1.0		0.6379 16.20m 0.6331 16.08m 0.6282 15.96m	0.6406 {41/64} 0.625 {5/8}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
25.40	1.00	0.7087 18.0m			Mf18.x1.0		0.6773 17.20m 0.6724 17.08m 0.6676 16.96m	0.6719 {43/64}
25.40	1.00	0.7874 20.0m			Mf20.x1.0		0.7560 19.20m 0.7512 19.08m 0.7463 18.96m	0.7500 {3/4}
25.40	1.00	0.8661 22.0m			Mf22.x1.0		0.8347 21.20m 0.8299 21.08m 0.8251 20.96m	0.8281 {53/64}
25.40	1.00	0.9449 24.0m			Mf24.x1.0		0.9135 23.20m 0.9087 23.08m 0.9038 22.96m	0.9062 {29/32}
25.40	1.00	0.9843 25.0m			Mf25.x1.0		0.9529 24.20m 0.9480 24.08m 0.9432 23.96m	0.9531 {61/64} 0.9375 {15/16}
24	1.058	0.1875 4.76m		3/16-24BSW			0.1528 3.88m 0.1475 3.75m 0.1421 3.61m	0.1440 {27}
24	1.058	0.1900 4.83m				10-24NC	0.1548 3.93m 0.1494 3.79m 0.1440 3.66m	0.1495 {25}
24	1.058	0.2160 5.49m				12-24NC	0.1808 4.59m 0.1754 4.46m 0.1700 4.32m	0.1730 {17}
24	1.058	0.2420 6.15m				14-24NF	0.2068 5.25m 0.2014 5.12m 0.1960 4.98m	0.2010 {7}
24	1.058	0.3125 7.94m				5/16-24NF	0.2773 7.04m 0.2719 6.91m 0.2665 6.77m	0.2720 {1}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
24	1.058	0.3750 9.53m				3/8-24NF	0.3398 8.63m 0.3344 8.49m 0.3290 8.36m	0.3320 {Q}
24	1.058	0.5625 14.29m				9/16-24NEF	0.5273 13.39m 0.5219 13.26m 0.5165 13.12m	0.5312 {17/32} 0.5156 {33/64}
24	1.058	0.6250 15.88m				5/8-24NEF	0.5898 14.98m 0.5844 14.84m 0.5790 14.71m	0.5937 {19/32} 0.5781 {37/64}
24	1.058	0.6875 17.46m				11/16-24NEF	0.6523 16.57m 0.6469 16.43m 0.6415 16.29m	0.6562 {21/32} 0.6406 {41/64}
22	1.154	0.3125 7.94m		5/16-22BSF			0.2747 6.98m 0.2688 6.83m 0.2630 6.68m	0.2660 {H}
20.32	1.25	0.3150 8.00m			Mc8.0x1.25		0.2757 7.00m 0.2697 6.85m 0.2636 6.70m	0.2660 {H}
20.32	1.25	0.3543 9.00m			Mc9.0x1.25		0.3151 8.00m 0.3091 7.85m 0.3030 7.70m	0.3020 {N}
20.32	1.25	0.3937 10.0m			Mf10.x1.25		0.3545 9.00m 0.3484 8.85m 0.3424 8.70m	0.3480 {S}
20.32	1.25	0.4724 12.0m			Mf12.x1.25		0.4332 11.00m 0.4272 10.85m 0.4211 10.70m	0.4219 {27/64}
20.32	1.25	0.5512 14.0m			Mf14.x1.25		0.5119 13.00m 0.5059 12.85m 0.4999 12.70m	0.5000 {1/2}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
20	1.27	0.2420 6.15m				14-20NC	0.1998 5.07m 0.1933 4.91m 0.1868 4.74m	0.1935 {10}
20	1.27	0.2500 6.35m		1/4-20BSW			0.2084 5.29m 0.2020 5.13m 0.1956 4.97m	0.2010 {7}
20	1.27	0.2500 6.35m				1/4-20NC	0.2078 5.28m 0.2013 5.11m 0.1948 4.95m	0.2010 {7}
20	1.27	0.3750 9.53m		3/8-20BSF			0.3334 8.47m 0.3270 8.31m 0.3206 8.14m	0.3230 {P}
20	1.27	0.4375 11.11m				7/16-20NF	0.3953 10.04m 0.3888 9.88m 0.3823 9.71m	0.3860 {W}
20	1.27	0.5000 12.70m				1/2-20NF	0.4578 11.62m 0.4513 11.46m 0.4448 11.30m	0.4531 {29/64}
20	1.27	0.7500 19.05m				3/4-20NEF	0.7078 17.98m 0.7013 17.81m 0.6498 17.65m	0.7031 {45/64}
20	1.27	0.8125 20.64m				13/16-20NEF	0.7703 19.57m 0.7638 19.40m 0.7573 19.24m	0.7656 {49/64}
20	1.27	0.8750 22.22m				7/8-20NEF	0.8328 21.15m 0.8263 20.99m 0.8198 20.82m	0.8281 {53/64}
20	1.27	0.9375 23.81m				15/16-20NEF	0.8953 22.74m 0.8888 22.58m 0.8823 22.41m	0.8906 {57/64}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
20	1.27	1.0000 25.40m				1-20NEF	0.9578 24.33m 0.9513 24.16m 0.9448 24.00m	0.9531 {61/64}
18	1.411	0.3125 7.94m		5/16-18BSW			0.2663 6.76m 0.2591 6.58m 0.2520 6.40m	0.2570 {F}
18	1.411	0.3125 7.94m				5/16-18NC	0.2656 6.75m 0.2584 6.56m 0.2512 6.38m	0.2570 {F}
18	1.411	0.4375 11.11m		7/16-18BSF			0.3913 9.94m 0.3841 9.76m 0.3770 9.58m	0.3750 {3/8}
18	1.411	0.5625 14.29m				9/16-18NF	0.5156 13.10m 0.5084 12.91m 0.5012 12.73m	0.5156 {33/64}
18	1.411	0.6250 15.88m				5/8-18NF	0.5781 14.68m 0.5709 14.50m 0.5637 14.32m	0.5781 {37/64}
16.93	1.50	0.3937 10.0m			Mc10.x1.5		0.3466 8.80m 0.3394 8.62m 0.3321 8.44m	0.3390 {R}
16.93	1.50	0.4331 11.0m			Mc11.x1.5		0.3860 9.80m 0.3787 9.62m 0.3715 9.44m	0.3770 {V}
16.93	1.50	0.4724 12.0m			Mf12.x1.5		0.4253 10.80m 0.4181 10.62m 0.4109 10.44m	0.4130 {Z}
16.93	1.50	0.5512 14.0m			Mf14.x1.5		0.5041 12.80m 0.4968 12.62m 0.4896 12.44m	0.5000 {1/2}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
16.93	1.00	0.5906 15.0m			Mf15.x1.5		0.5435 13.80m 0.5362 13.62m 0.5290 13.44m	0.5312 {17/32}
16.93	1.50	0.6299 16.0m			Mf16.x1.5		0.5828 14.80m 0.5756 14.62m 0.5683 14.44m	0.5781 {37/64}
16.93	1.00	0.6693 17.0m			Mf17.x1.5		0.6222 15.80m 0.6150 15.62m 0.6077 15.44m	0.6094 {39/64}
16.93	1.50	0.7087 18.0m			Mf18.x1.5		0.6616 16.80m 0.6543 16.62m 0.6471 16.44m	0.6562 {21/32}
16.93	1.50	0.7874 20.0m			Mf20.x1.5		0.7403 18.80m 0.7331 18.62m 0.7258 18.44m	0.7344 {47/64}
16.93	1.50	0.8661 22.0m			Mf22.x1.5		0.8190 20.80m 0.8118 20.62m 0.8046 20.44m	0.8125 {13/16}
16.93	1.50	0.9449 24.0m			Mf24.x1.5		0.8978 22.80m 0.8905 22.62m 0.8833 22.44m	0.8906 {57/64}
16.93	1.50	0.9843 25.0m			Mf25.x1.5		0.9372 23.80m 0.9299 23.62m 0.9227 23.44m	0.9375 {15/16}
16	1.587	0.3750 9.53m				3/8-16NC	0.3222 8.18m 0.3141 7.98m 0.3060 7.77m	0.3125 {5/16}
16	1.587	0.3750 9.53m		3/8-16BSW			0.3230 8.20m 0.3150 8.00m 0.3070 7.80m	0.3125 {5/16}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
16	1.587	0.5000 12.70m		1/2-16BSF			0.4480 11.38m 0.4400 11.18m 0.4320 10.97m	0.4375 {7/16}
16	1.587	0.5625 14.29m		9/16-16BSF			0.5105 12.97m 0.5025 12.76m 0.4945 12.56m	0.5000 {1/2}
16	1.587	0.7500 19.05m				3/4-16NF	0.6972 17.71m 0.6891 17.50m 0.6810 17.30m	0.6875 {11/16}
14.51	1.75	0.4724 12.0m			Mc12.x1.75		0.4175 10.60m 0.4090 10.39m 0.4006 10.18m	0.4040 {Y}
14	1.814	0.4375 11.11m				7/16-14NC	0.3772 9.58m 0.3679 9.34m 0.3586 9.11m	0.3680 {U}
14	1.814	0.4375 11.11m		7/16-14BSW			0.3780 9.60m 0.3689 9.37m 0.3597 9.14m	0.3680 {U}
14	1.814	0.6250 15.88m		5/8-14BSF			0.5655 14.36m 0.5564 14.13m 0.5472 13.90m	0.5469 {35/64}
14	1.814	0.6875 17.46m		11/16-14BSF			0.6280 15.95m 0.6189 15.72m 0.6097 15.49m	0.6094 {39/64}
14	1.814	0.8750 22.22m				7/8-14NF	0.8147 20.69m 0.8054 20.46m 0.7961 20.22m	0.8125 {13/16}
13	1.954	0.5000 12.70m				1/2-13NC	0.4351 11.05m 0.4251 10.80m 0.4151 10.54m	0.4219 {27/64}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
12.70	2.00	0.5512 14.0m			Mc14.x2.0		0.4884 12.41m 0.4787 12.16m 0.4691 11.91m	0.4844 {31/64}
12.70	2.00	0.6299 16.0m			Mc16.x2.0		0.5671 14.41m 0.5575 14.16m 0.5478 13.91m	0.5625 {9/16}
12.70	2.00	0.7089 18.0m			Mf18.x2.0		0.6459 16.41m 0.6362 16.16m 0.6266 15.91m	0.6406 {41/64}
12.70	2.00	0.7874 20.0m			Mf20.x2.0		0.7246 18.41m 0.7150 18.16m 0.7053 17.91m	0.7188 {23/32}
12.70	2.00	0.8661 22.0m			Mf22.x2.0		0.8034 20.41m 0.7937 20.16m 0.7840 19.91m	0.7969 {51/64}
12.70	2.00	0.9449 24.0m			Mf24.x2.0		0.8821 22.41m 0.8724 22.16m 0.8628 21.91m	0.8750 {7/8}
12.70	2.00	0.9842 25.0m			Mf25.x2.0		0.9215 23.41m 0.9118 23.16m 0.9021 22.91m	0.9062 {29/32}
12	2.117	0.5000 12.70m				1/2-12	0.4296 10.91m 0.4188 10.64m 0.4080 10.36m	0.4219 {27/64}
12	2.117	0.5000 12.70m		1/2-12BSW			0.4306 10.94m 0.4200 10.67m 0.4093 10.40m	0.4219 {27/64}
12	2.117	0.5625 14.29m		9/16-12BSW			0.4931 12.53m 0.4825 12.25m 0.4718 11.98m	0.4688 {15/32}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
12	2.117	0.5625 14.29m				9/16-12NC	0.4921 12.50m 0.4813 12.23m 0.4705 11.95m	0.4844 {31/64}
12	2.117	0.7500 19.05m		3/4-12BSF			0.6806 17.29m 0.6700 17.02m 0.6593 16.75m	0.6562 {21/32}
12	2.117	0.8125 20.64m		13/16-12BSF			0.7431 18.88m 0.7325 18.60m 0.7218 18.33m	0.7344 {47/64}
12	2.117	1.0000 25.40m				1-12NF	0.9296 23.61m 0.9188 23.34m 0.9080 23.06m	0.9219 {59/64}
11	2.309	0.6250 15.88m		5/8-11BSW			0.5493 13.95m 0.5377 13.66m 0.5260 13.36m	0.5315 {33/64}
11	2.309	0.6875 17.46m		11/16-11BSW			0.6118 15.54m 0.6002 15.24m 0.5885 14.95m	0.5938 {19/32}
11	2.309	0.8750 22.22m		7/8-11BSF			0.7993 20.30m 0.7877 20.01m 0.7760 19.71m	0.7812 {25/32}
10.16	2.50	0.7087 18.0m			Mc18.x2.5		0.6302 16.01m 0.6181 15.70m 0.6060 15.39m	0.6094 {39/64}
10.16	2.50	0.7874 20.0m			Mc20.x2.5		0.7089 18.01m 0.6968 17.70m 0.6848 17.39m	0.6875 {11/16}
10.16	2.50	0.8661 22.0m			Mc22.x2.5		0.7877 20.01m 0.7756 19.70m 0.7635 19.39m	0.7656 {49/64}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
10	2.54	0.7500 19.05m				3/4-10NC	0.6656 16.91m 0.6526 16.58m 0.6396 16.25m	0.6562 {21/32} 0.6406 {41/64}
10	2.54	0.7500 19.05m		3/4-10BSF			0.6668 16.94m 0.6540 16.61m 0.6411 16.29m	0.6562 {21/32} 0.6406 {41/64}
10	2.54	0.8125 20.64m		13/16-10BSW			0.7293 18.25m 0.7165 18.20m 0.7036 17.87m	0.7188 {23/32}
10	2.54	1.0000 25.40m		1-10BSF			0.9168 23.29m 0.9040 22.96m 0.8911 22.64m	0.9062 {29/32} 0.8906 {57/64}
9	2.822	0.8750 22.22m		7/8-9BSW			0.7825 19.88m 0.7683 19.51m 0.7540 19.15m	0.7656 {49/64}
9	2.822	0.8750 22.22m				7/8-9NC	0.7812 19.84m 0.7667 19.48m 0.7523 19.11m	0.7656 {49/64}
8.47	3.00	0.9449 24.0m			Mc24.x3.0		0.8507 21.61m 0.8362 21.24m 0.8217 20.87m	0.8281 {53/64}
8	3.175	1.0000 25.40m		1-8BSW			0.8959 22.76m 0.8799 22.35m 0.8639 21.94m	0.8750 {7/8}
8	3.175	1.0000 25.40m				1-8NC	0.8945 22.72m 0.8782 22.31m 0.8620 21.89m	0.8750 {7/8}
8	3.175	1.5000 38.10m				1.5-8	1.3945 35.42m 1.3782 35.01m 1.3620 34.59m	1.375 {1 3/8}

Table 1: Thread Sizes Sorted By Pitch

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
8	3.175	2.2500 57.15m				2.25-8	2.1445 54.47m 2.1282 54.06m 2.1120 53.64m	2.125 {2 1/8}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
133.68	0.19	0.0315 .80m	16BA				0.0257 0.65m 0.0248 0.63m 0.0239 0.61m	0.0250 {72}
120	0.212	0.0340 0.86m				000-120	0.0270 0.68m 0.0259 0.66m 0.0248 0.63m	0.0260 {71}
120.95	0.21	0.0354 0.90m	15BA				0.0290 0.74m 0.0276 0.71m 0.0270 0.69m	0.0280 {70}
127.0	0.20	0.0394 1.00m			M1.0x.20		0.0331 0.84m 0.0321 0.82m 0.0312 0.79m	0.0320 {67}
110.44	0.23	0.0394 1.00m	14BA				0.0323 0.82m 0.0312 0.79m 0.0301 0.77m	0.0310 {68}
101.60	0.25	0.0394 1.00m			Mc1.0x.25		0.0315 0.80m 0.0303 0.77m 0.0291 0.74m	0.0310 {68}
127.0	0.20	0.0433 1.10m			M1.1x.20		0.0370 0.94m 0.0361 0.92m 0.0351 0.89m	0.0360 {64}
101.60	0.25	0.0433 1.10m			Mc1.1x.25		0.0355 0.90m 0.0343 0.87m 0.0330 0.84m	0.0350 {65}
96	0.265	0.0470 1.19m				00-96	0.0382 0.97m 0.0369 0.94m 0.0355 0.90m	0.0370 {63}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
90	0.282	0.0470 1.19m				00-90	0.0376 0.96m 0.0362 0.92m 0.0347 0.88m	0.0370 {63}
127.0	0.20	0.0472 1.20m			M1.2x.20		0.0410 1.04m 0.0400 1.02m 0.0390 0.99m	0.0400 {60}
101.60	0.25	0.0472 1.20m			Mc1.2x.25		0.0394 1.00m 0.0382 0.97m 0.0370 0.94m	0.0380 {62}
101.60	0.25	0.0472 1.20m	13BA				0.0396 1.01m 0.0384 0.98m 0.0372 0.95m	0.0380 {62}
90.71	0.28	0.0512 1.30m	12BA				0.0426 1.08m 0.0413 1.05m 0.0399 1.01m	0.0410 {59}
127.0	0.20	0.0551 1.40m			M1.4x.20		0.0488 1.24m 0.0479 1.22m 0.0469 1.19m	0.0465 {56}
84.67	0.30	0.0551 1.40m			Mc1.4x.30		0.0457 1.16m 0.0443 1.12m 0.0428 1.09m	0.0430 {57}
81.94	0.31	0.0591 1.50m	11BA				0.0495 1.26m 0.0481 1.22m 0.0466 1.18m	0.0465 {56}
80	0.32	0.0600 1.52m				0-80NF	0.0494 1.26m 0.0478 1.21m 0.0462 1.17m	0.0469 {3/64}
60	0.423	0.0625 1.59m		1/16-60BSW			0.0486 1.24m 0.0465 1.18m 0.0444 1.13m	0.0465 {56}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
127.0	0.20	0.0630 1.60m			Mf1.6x.20		0.0567 1.44m 0.0557 1.42m 0.0548 1.39m	0.0550 {54}
72.57	0.35	0.0630 1.60m			Mc1.6x.35		0.0520 1.32m 0.0503 1.28m 0.0486 1.24m	0.0520 {55}
72.57	0.35	0.0669 1.70m	10BA				0.0562 1.43m 0.0545 1.39m 0.0529 1.34m	0.0550 {54}
127.0	0.20	0.0709 1.80m			Mf1.8x.20		0.0646 1.64m 0.0636 1.62m 0.0627 1.59m	0.0635 {52}
72.57	0.35	0.0709 1.80m			Mc1.8x.35		0.0599 1.52m 0.0582 1.48m 0.0565 1.44m	0.0595 {53}
72	0.353	0.0730 1.85m				1-72NF	0.0613 1.56m 0.0595 1.51m 0.0577 1.46m	0.0595 {53}
64	0.397	0.0730 1.85m				1-64NC	0.0598 1.52m 0.0578 1.47m 0.0557 1.42m	0.0595 {53}
65.13	0.39	0.0748 1.90m	9BA				0.0628 1.60m 0.0610 1.55m 0.0591 1.50m	0.0625 {1/16}
101.60	0.25	0.0787 2.00m			Mf2.0x.25		0.0709 1.80m 0.0697 1.77m 0.0685 1.74m	0.0700 {50}
63.50	0.40	0.0787 2.00m			Mc2.0x.40		0.0662 1.68m 0.0643 1.63m 0.0623 1.58m	0.0635 {52}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
64	0.397	0.0860 2.18m				2-64NF	0.0728 1.85m 0.0708 1.80m 0.0687 1.75m	0.0700 {50}
56	0.454	0.0860 2.18m				2-56NC	0.0709 1.80m 0.0686 1.74m 0.0663 1.68m	0.0670 {51}
101.60	0.25	0.0866 2.20m			Mf2.2x.25		0.0788 2.00m 0.0776 1.97m 0.0764 1.94m	0.0785 {47}
59.07	0.43	0.0866 2.20m	8BA				0.0734 1.86m 0.0714 1.81m 0.0693 1.76m	0.0700 {50}
56.44	0.45	0.0866 2.20m			Mc2.2x.45		0.0725 1.84m 0.0703 1.79m 0.0681 1.73m	0.0700 {50}
48	0.529	0.0944 2.40m		3/32-48BSW			0.0770 1.96m 0.0744 1.89m 0.0717 1.82m	0.0730 {49}
72.57	0.35	0.0984 2.50m			Mf2.5x.35		0.0874 2.22m 0.0857 2.18m 0.0841 2.14m	0.0860 {44}
56.44	0.45	0.0984 2.50m			Mc2.5x.45		0.0843 2.14m 0.0821 2.09m 0.0800 2.03m	0.0820 {45}
52.92	0.48	0.0984 2.50m	7BA				0.0837 2.13m 0.0814 2.07m 0.0791 2.01m	0.0810 {46}
56	0.454	0.0990 2.51m				3-56NF	0.0839 2.13m 0.0816 2.07m 0.0793 2.01m	0.0810 {46}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
48	0.529	0.0990 2.51m				3-48NC	0.0814 2.07m 0.0787 2.00m 0.0760 1.93m	0.0781 {5/64}
47.93	0.53	0.1102 2.80m	6BA				0.0940 2.39m 0.0915 2.32m 0.0890 2.26m	0.0935 {42}
48	0.529	0.1120 2.84m				4-48NF	0.0944 2.40m 0.0917 2.33m 0.0890 2.26m	0.0935 {42}
40	0.635	0.1120 2.84m				4-40NC	0.0909 2.31m 0.0876 2.23m 0.0844 2.14m	0.0890 {43}
72.57	0.35	0.1181 3.00m			Mf3.0x.35		0.1071 2.72m 0.1054 2.68m 0.1037 2.64m	0.1065 {36}
50.80	0.50	0.1181 3.00m			Mc3.0x.50		0.1024 2.60m 0.1000 2.54m 0.0976 2.48m	0.0995 {39}
44	0.577	0.1250 3.18m				5-44NF	0.1058 2.69m 0.1029 2.61m 0.0999 2.54m	0.1040 {37}
40	0.635	0.1250 3.18m				5-40NC	0.1039 2.64m 0.1006 2.56m 0.0974 2.47m	0.0995 {39}
40	0.635	0.1250 3.18m		1/8-40BSW			0.1042 2.65m 0.1010 2.57m 0.0978 2.48m	0.1004 {40}
43.05	0.59	0.1260 3.20m	5BA				0.1079 2.74m 0.1051 2.67m 0.1023 2.60m	0.1040 {37}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
72.57	0.35	0.1378 3.50m			Mf3.5x.35		0.1268 3.22m 0.1251 3.18m 0.1234 3.14m	0.1250 {1/8}
42.33	0.60	0.1378 3.50m			Mc3.5x.60		0.1190 3.02m 0.1161 2.95m 0.1132 2.87m	0.1160 {32}
48	0.529	0.1380 3.51m				6-48	0.1204 3.06m 0.1177 2.99m 0.1150 2.92m	0.1160 {32}
40	0.635	0.1380 3.51m				6-40NF	0.1169 2.97m 0.1136 2.89m 0.1104 2.80m	0.1130 {33}
32	0.794	0.1380 3.51m				6-32NC	0.1116 2.84m 0.1076 2.73m 0.1035 2.63m	0.1065 {36}
38.49	0.66	0.1417 3.60m	4BA				0.1215 3.09m 0.1183 3.01m 0.1152 2.93m	0.1160 {32}
40	0.635	0.1562 3.97m				5/32-40	0.1351 3.43m 0.1319 3.35m 0.1286 3.27m	0.1285 {30}
32	0.794	0.1562 3.97m		5/32-32BSW			0.1302 3.31m 0.1262 3.21m 0.1222 3.10m	0.1250 {1/8}
50.80	0.50	0.1575 4.00m			Mf4.0x.50		0.1418 3.60m 0.1394 3.54m 0.1370 3.48m	0.1405 {28}
36.29	0.70	0.1575 4.00m			Mc4.0x.70		0.1355 3.44m 0.1321 3.36m 0.1287 3.27m	0.1285 {30}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
34.80	0.73	0.1614 4.10m	3BA				0.1390 3.53m 0.1356 3.44m 0.1321 3.36m	0.1360 {29}
36	0.706	0.1640 4.17m				8-36NF	0.1405 3.57m 0.1369 3.48m 0.1333 3.39m	0.1360 {29}
32	0.794	0.1640 4.17m				8-32NC	0.1376 3.50m 0.1336 3.39m 0.1295 3.29m	0.1360 {29}
50.80	0.50	0.1772 4.50m			Mf4.5x.50		0.1615 4.10m 0.1591 4.04m 0.1566 3.98m	0.1590 {21}
33.87	0.75	0.1772 4.50m			Mc4.5x.75		0.1536 3.90m 0.1500 3.81m 0.1464 3.72m	0.1495 {25}
31.36	0.81	0.1850 4.70m	2BA				0.1602 4.07m 0.1563 3.97m 0.1525 3.87m	0.1570 {22}
40	0.635	0.1875 4.76m				3/16-40	0.1664 4.23m 0.1631 4.14m 0.1599 4.06m	0.1610 {20}
32	0.794	0.1875 4.76m		3/16-32BSF			0.1615 4.10m 0.1575 4.00m 0.1535 3.90m	0.1570 {22}
24	1.058	0.1875 4.76m		3/16-24BSW			0.1528 3.88m 0.1475 3.75m 0.1421 3.61m	0.1440 {27}
56	0.454	0.1900 4.83m				10-56	0.1749 4.44m 0.1726 4.38m 0.1703 4.33m	0.1730 {17}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
32	0.794	0.1900 4.83m				10-32NF	0.1636 4.16m 0.1596 4.05m 0.1555 3.95m	0.1590 {21}
24	1.058	0.1900 4.83m				10-24NC	0.1548 3.93m 0.1494 3.79m 0.1440 3.66m	0.1495 {25}
50.80	0.50	0.1969 5.00m			Mf5.0x.50		0.1812 4.60m 0.1787 4.54m 0.1763 4.48m	0.1770 {16}
31.75	0.80	0.1969 5.00m			Mc5.0x.80		0.1717 4.36m 0.1679 4.26m 0.1640 4.17m	0.1660 {19}
28.22	0.90	0.2087 5.30m	1BA				0.1810 4.60m 0.1768 4.49m 0.1725 4.38m	0.1770 {16}
28	0.907	0.2160 5.49m				12-28NF	0.1858 4.72m 0.1812 4.60m 0.1766 4.48m	0.1800 {15}
24	1.058	0.2160 5.49m				12-24NC	0.1808 4.59m 0.1754 4.46m 0.1700 4.32m	0.1730 {17}
50.80	0.50	0.2165 5.50m			Mf5.5x.50		0.2008 5.10m 0.1984 5.04m 0.1960 4.98m	0.1990 {8}
40	0.635	0.2187 5.56m				7/32-40	0.1976 5.02m 0.1944 4.94m 0.1911 4.86m	0.1960 {9}
28	0.907	0.2187 5.56m		7/32-28BSF			0.1890 4.80m 0.1844 4.68m 0.1799 4.57m	0.1820 {14}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
33.87	0.75	0.2362 6.00m			Mf6.0x.75		0.2127 5.40m 0.2091 5.31m 0.2054 5.22m	0.2090 {4}
25.40	1.00	0.2362 6.00m			Mc6.0x1.0		0.2048 5.20m 0.2000 5.08m 0.1952 4.96m	0.2010 {7}
25.40	1.00	0.2362 6.00m	OBA				0.2055 5.22m 0.2008 5.10m 0.1961 4.98m	0.2010 {7}
24	1.058	0.2420 6.15m				14-24NF	0.2068 5.25m 0.2014 5.12m 0.1960 4.98m	0.2010 {7}
20	1.27	0.2420 6.15m				14-20NC	0.1998 5.07m 0.1933 4.91m 0.1868 4.74m	0.1935 {10}
80	0.317	0.2500 6.35m				1/4-80	0.2394 6.08m 0.2378 6.04m 0.2362 6.00m	0.2380 {B}
40	0.635	0.2500 6.35m				1/4-40	0.2289 5.81m 0.2256 5.73m 0.2224 5.65m	0.2280 {1}
32	0.794	0.2500 6.35m				1/4-32NEF	0.2236 5.68m 0.2196 5.58m 0.2155 5.47m	0.2188 {7/32}
28	0.907	0.2500 6.35m				1/4-28NF	0.2198 5.58m 0.2152 5.47m 0.2106 5.35m	0.2130 {3}
26	0.977	0.2500 6.35m		1/4-26BSF			0.2180 5.54m 0.2131 5.41m 0.2081 5.29m	0.2090{4}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
20	1.27	0.2500 6.35m		1/4-20BSW			0.2084 5.29m 0.2020 5.13m 0.1956 4.97m	0.2010 {7}
20	1.27	0.2500 6.35m				1/4-20NC	0.2078 5.28m 0.2013 5.11m 0.1948 4.95m	0.2010 {7}
33.87	0.75	0.2756 7.00m			Mf7.0x.75		0.2520 6.40m 0.2484 6.31m 0.2448 6.22m	0.2460 {D}
25.40	1.00	0.2756 7.00m			Mc7.0x1.0		0.2442 6.20m 0.2394 6.08m 0.2345 5.96m	0.2380 {B}
32	0.794	0.2812 7.14m				9/32-32	0.2549 6.47m 0.2508 6.37m 0.2467 6.27m	0.250 {1/4}
26	0.977	0.2812 7.14m		9/32-26BSF			0.2492 6.33m 0.2443 6.21m 0.2393 6.08m	0.2380 {B}
40	0.635	0.3125 7.94m				5/16-40	0.2914 7.40m 0.2881 7.32m 0.2849 7.24m	0.2900 {L}
32	0.794	0.3125 7.94m				5/16-32NEF	0.2861 7.27m 0.2821 7.16m 0.2780 7.06m	0.2813 {9/32}
24	1.058	0.3125 7.94m				5/16-24NF	0.2773 7.04m 0.2719 6.91m 0.2665 6.77m	0.2720 {I}
22	1.154	0.3125 7.94m		5/16-22BSF			0.2747 6.98m 0.2688 6.83m 0.2630 6.68m	0.2660 {H}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
18	1.411	0.3125 7.94m		5/16-18BSW			0.2663 6.76m 0.2591 6.58m 0.2520 6.40m	0.2570 {F}
18	1.411	0.3125 7.94m				5/16-18NC	0.2656 6.75m 0.2584 6.56m 0.2512 6.38m	0.2570 {F}
33.87	0.75	0.3150 8.00m			Mf8.0x.75		0.2914 7.40m 0.2878 7.31m 0.2842 7.22m	0.2900 {L}
25.40	1.00	0.3150 8.00m			Mf8.0x1.0		0.2836 7.20m 0.2787 7.08m 0.2739 6.96m	0.2770 {J}
20.32	1.25	0.3150 8.00m			Mc8.0x1.25		0.2757 7.00m 0.2697 6.85m 0.2636 6.70m	0.2660 {H}
33.87	0.75	0.3543 9.00m			Mf9.0x.75		0.3308 8.40m 0.3272 8.31m 0.3235 8.22m	0.3281 {21/64}
25.40	1.00	0.3543 9.00m			Mf9.0x1.0		0.3229 8.20m 0.3181 8.08m 0.3133 7.96m	0.3160 {O}
20.32	1.25	0.3543 9.00m			Mc9.0x1.25		0.3151 8.00m 0.3091 7.85m 0.3030 7.70m	0.3020 {N}
40	0.635	0.3750 9.53m				3/8-40	0.3539 8.99m 0.3506 8.91m 0.3474 8.82m	0.3480 {S}
32	0.794	0.3750 9.53m				3/8-32NEF	0.3486 8.58m 0.3446 8.75m 0.3405 8.65	0.3438 {11/32}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
24	1.058	0.3750 9.53m				3/8-24NF	0.3398 8.63m 0.3344 8.49m 0.3290 8.36m	0.3320 {Q}
20	1.27	0.3750 9.53m		3/8-20BSF			0.3334 8.47m 0.3270 8.31m 0.3206 8.14m	0.3230 {P}
16	1.587	0.3750 9.53m		3/8-16BSW			0.3230 8.20m 0.3150 8.00m 0.3070 7.80m	0.3125 {5/16}
16	1.587	0.3750 9.53m				3/8-16NC	0.3222 8.18m 0.3141 7.98m 0.3060 7.77m	0.3125 {5/16}
33.87	0.75	0.3937 10.0m			Mf10.x.75		0.3702 9.40m 0.3665 9.31m 0.3629 9.22m	0.3680 {U}
25.40	1.00	0.3937 10.0m			Mf10.x1.0		0.3623 9.20m 0.3575 9.08m 0.3526 8.96m	0.3580 {T}
20.32	1.25	0.3937 10.0m			Mf10.x1.25		0.3545 9.00m 0.3484 8.85m 0.3424 8.70m	0.3480 {S}
16.93	1.50	0.3937 10.0m			Mc10.x1.5		0.3466 8.80m 0.3394 8.62m 0.3321 8.44m	0.3390 {R}
33.87	0.75	0.4331 11.0m			Mf11.x.75		0.4095 10.40m 0.4059 10.31m 0.4023 10.22m	0.4040 {Y}
25.40	1.00	0.4331 11.0m			Mf11.x1.0		0.4017 10.20m 0.3968 10.08m 0.3920 9.56m	0.3970 {X}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
16.93	1.50	0.4331 11.0m			Mc11.x1.5		0.3860 9.80m 0.3787 9.62m 0.3715 9.44m	0.3770 {V}
40	0.635	0.4375 11.11m				7/16-40	0.4164 10.58m 0.4131 10.49m 0.4099 10.41m	0.4130 {Z}
28	0.907	0.4375 11.11m				7/16-28NEF	0.4073 10.35m 0.4027 10.23m 0.3981 10.11m	0.4040 {Y}
20	1.27	0.4375 11.11m				7/16-20NF	0.3953 10.04m 0.3888 9.88m 0.3823 9.71m	0.3860 {W}
18	1.411	0.4375 11.11m		7/16-18BSF			0.3913 9.94m 0.3841 9.76m 0.3770 9.58m	0.3750 {3/8}
14	1.814	0.4375 11.11m		7/16-14BSW			0.3780 9.60m 0.3689 9.37m 0.3597 9.14m	0.3680 {U}
14	1.814	0.4375 11.11m				7/16-14NC	0.3772 9.58m 0.3679 9.34m 0.3586 9.11m	0.3680 {U}
25.40	1.00	0.4724 12.0m			Mf12.x1.0		0.4410 11.20m 0.4362 11.08m 0.4314 10.96m	0.4375 {7/16}
20.32	1.25	0.4724 12.0m			Mf12.x1.25		0.4332 11.00m 0.4272 10.85m 0.4211 10.70m	0.4219 {27/64}
16.93	1.50	0.4724 12.0m			Mf12.x1.5		0.4253 10.80m 0.4181 10.62m 0.4109 10.44m	0.4130 {Z}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
14.51	1.75	0.4724 12.0m			Mc12.x1.75		0.4175 10.60m 0.4090 10.39m 0.4006 10.18m	0.4040 {Y}
40	0.635	0.5000 12.70m				1/2-40	0.4789 12.16m 0.4756 12.08m 0.4724 12.00m	0.4844 {31/64} 0.4687 {15/32}
28	0.907	0.5000 12.70m				1/2-28NEF	0.4698 11.93m 0.4652 11.82m 0.4606 11.70m	0.4688 {15/32}
20	1.27	0.5000 12.70m				1/2-20NF	0.4578 11.62m 0.4513 11.46m 0.4448 11.30m	0.4531 {29/64}
16	1.587	0.5000 12.70m		1/2-16BSF			0.4480 11.38m 0.4400 11.18m 0.4320 10.97m	0.4375 {7/16}
13	1.954	0.5000 12.70m				1/2-13NC	0.4351 11.05m 0.4251 10.80m 0.4151 10.54m	0.4219 {27/64}
12	2.117	0.5000 12.70m		1/2-12BSW			0.4306 10.94m 0.4200 10.67m 0.4093 10.40m	0.4219 {27/64}
12	2.117	0.5000 12.70m				1/2-12	0.4296 10.91m 0.4188 10.64m 0.4080 10.36m	0.4219 {27/64}
20.32	1.25	0.5512 14.0m			Mf14.x1.25		0.5119 13.00m 0.5059 12.85m 0.4999 12.70m	0.5000 {1/2}
25.40	1.00	0.5512 14.0m			Mf14.x1.0		0.5198 13.20m 0.5150 13.08m 0.5101 12.96m	0.5156 {33/64}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
16.93	1.50	0.5512 14.0m			Mf14.x1.5		0.5041 12.80m 0.4968 12.62m 0.4896 12.44m	0.5000 {1/2}
12.70	2.00	0.5512 14.0m			Mc14.x2.0		0.4884 12.41m 0.4787 12.16m 0.4691 11.91m	0.4844 {31/64}
24	1.058	0.5625 14.29m				9/16-24NEF	0.5273 13.39m 0.5219 13.26m 0.5165 13.12m	0.5312 {17/32} 0.5156 {33/64}
18	1.411	0.5625 14.29m				9/16-18NF	0.5156 13.10m 0.5084 12.91m 0.5012 12.73m	0.5156 {33/64}
16	1.587	0.5625 14.29m		9/16-16BSF			0.5105 12.97m 0.5025 12.76m 0.4945 12.56m	0.5000 {1/2}
12	2.117	0.5625 14.29m		9/16-12BSW			0.4931 12.53m 0.4825 12.25m 0.4718 11.98m	0.4688 {15/32}
12	2.117	0.5625 14.29m				9/16-12NC	0.4921 12.50m 0.4813 12.23m 0.4705 11.95m	0.4844 {31/64}
25.40	1.00	0.5906 15.0m			Mf15.x1.0		0.5592 14.20m 0.5543 14.08m 0.5495 13.96m	0.5468 {35/64} 0.5625 {9/16}
16.93	1.00	0.5906 15.0m			Mf15.x1.5		0.5435 13.80m 0.5362 13.62m 0.5290 13.44m	0.5312 {17/32}
24	1.058	0.6250 15.88m				5/8-24NEF	0.5898 14.98m 0.5844 14.84m 0.5790 14.71m	0.5937 {19/32} 0.5781 {37/64}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
18	1.411	0.6250 15.88m				5/8-18NF	0.5781 14.68m 0.5709 14.50m 0.5637 14.32m	0.5781 {37/64}
14	1.814	0.6250 15.88m		5/8-14BSF			0.5655 14.36m 0.5564 14.13m 0.5472 13.90m	0.5469 {35/64}
11	2.309	0.6250 15.88m		5/8-11BSW			0.5493 13.95m 0.5377 13.66m 0.5260 13.36m	0.5315 {33/64}
25.40	1.00	0.6299 16.0m			Mf16.x1.0		0.5985 15.20m 0.5937 15.08m 0.5889 14.96m	0.5937 {19/32}
16.93	1.50	0.6299 16.0m			Mf16.x1.5		0.5828 14.80m 0.5756 14.62m 0.5683 14.44m	0.5781 {37/64}
12.70	2.00	0.6299 16.0m			Mc16.x2.0		0.5671 14.41m 0.5575 14.16m 0.5478 13.91m	0.5625 {9/16}
25.40	1.00	0.6693 17.0m			Mf17.x1.0		0.6379 16.20m 0.6331 16.08m 0.6282 15.96m	0.6406 {41/64} 0.625 {5/8}
16.93	1.00	0.6693 17.0m			Mf17.x1.5		0.6222 15.80m 0.6150 15.62m 0.6077 15.44m	0.6094 {39/64}
24	1.058	0.6875 17.46m				11/16-24NEF	0.6523 16.57m 0.6469 16.43m 0.6415 16.29m	0.6562 {21/32} 0.6406 {41/64}
14	1.814	0.6875 17.46m		11/16-14BSF			0.6280 15.95m 0.6189 15.72m 0.6097 15.49m	0.6094 {39/64}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
11	2.309	0.6875 17.46m		11/16-11BSW			0.6118 15.54m 0.6002 15.24m 0.5885 14.95m	0.5938 {19/32}
25.40	1.00	0.7087 18.0m			Mf18.x1.0		0.6773 17.20m 0.6724 17.08m 0.6676 16.96m	0.6719 {43/64}
16.93	1.50	0.7087 18.0m			Mf18.x1.5		0.6616 16.80m 0.6543 16.62m 0.6471 16.44m	0.6562 {21/32}
12.70	2.00	0.7089 18.0m			Mf18.x2.0		0.6459 16.41m 0.6362 16.16m 0.6266 15.91m	0.6406 {41/64}
10.16	2.50	0.7087 18.0m			Mc18.x2.5		0.6302 16.01m 0.6181 15.70m 0.6060 15.39m	0.6094 {39/64}
20	1.27	0.7500 19.05m				3/4-20NEF	0.7078 17.98m 0.7013 17.81m 0.6498 17.65m	0.7031 {45/64}
16	1.587	0.7500 19.05m				3/4-16NF	0.6972 17.71m 0.6891 17.50m 0.6810 17.30m	0.6875 {11/16}
12	2.117	0.7500 19.05m		3/4-12BSF			0.6806 17.29m 0.6700 17.02m 0.6593 16.75m	0.6562 {21/32}
10	2.54	0.7500 19.05m		3/4-10BSF			0.6668 16.94m 0.6540 16.61m 0.6411 16.29m	0.6562 {21/32} 0.6406 {41/64}
10	2.54	0.7500 19.05m				3/4-10NC	0.6656 16.91m 0.6526 16.58m 0.6396 16.25m	0.6562 {21/32} 0.6406 {41/64}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
25.40	1.00	0.7874 20.0m			Mf20.x1.0		0.7560 19.20m 0.7512 19.08m 0.7463 18.96m	0.7500 {3/4}
16.93	1.50	0.7874 20.0m			Mf20.x1.5		0.7403 18.80m 0.7331 18.62m 0.7258 18.44m	0.7344 {47/64}
12.70	2.00	0.7874 20.0m			Mf20.x2.0		0.7246 18.41m 0.7150 18.16m 0.7053 17.91m	0.7188 {23/32}
10.16	2.50	0.7874 20.0m			Mc20.x2.5		0.7089 18.01m 0.6968 17.70m 0.6848 17.39m	0.6875 {11/16}
20	1.27	0.8125 20.64m				13/16-20NEF	0.7703 19.57m 0.7638 19.40m 0.7573 19.24m	0.7656 {49/64}
12	2.117	0.8125 20.64m		13/16-12BSF			0.7431 18.88m 0.7325 18.60m 0.7218 18.33m	0.7344 {47/64}
10	2.54	0.8125 20.64m		13/16-10BSW			0.7293 18.25m 0.7165 18.20m 0.7036 17.87m	0.7188 {23/32}
25.40	1.00	0.8661 22.0m			Mf22.x1.0		0.8347 21.20m 0.8299 21.08m 0.8251 20.96m	0.8281 {53/64}
16.93	1.50	0.8661 22.0m			Mf22.x1.5		0.8190 20.80m 0.8118 20.62m 0.8046 20.44m	0.8125 {13/16}
12.70	2.00	0.8661 22.0m			Mf22.x2.0		0.8034 20.41m 0.7937 20.16m 0.7840 19.91m	0.7969 {51/64}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
10.16	2.50	0.8661 22.0m			Mc22.x2.5		0.7877 20.01m 0.7756 19.70m 0.7635 19.39m	0.7656 {49/64}
20	1.27	0.8750 22.22m				7/8-20NEF	0.8328 21.15m 0.8263 20.99m 0.8198 20.82m	0.8281 {53/64}
14	1.814	0.8750 22.22m				7/8-14NF	0.8147 20.69m 0.8054 20.46m 0.7961 20.22m	0.8125 {13/16}
11	2.309	0.8750 22.22m		7/8-11BSF			0.7993 20.30m 0.7877 20.01m 0.7760 19.71m	0.7812 {25/32}
9	2.822	0.8750 22.22m		7/8-9BSW			0.7825 19.88m 0.7683 19.51m 0.7540 19.15m	0.7656 {49/64}
9	2.822	0.8750 22.22m				7/8-9NC	0.7812 19.84m 0.7667 19.48m 0.7523 19.11m	0.7656 {49/64}
20	1.27	0.9375 23.81m				15/16-20NEF	0.8953 22.74m 0.8888 22.58m 0.8823 22.41m	0.8906 {57/64}
25.40	1.00	0.9449 24.0m			Mf24.x1.0		0.9135 23.20m 0.9087 23.08m 0.9038 22.96m	0.9062 {29/32}
16.93	1.50	0.9449 24.0m			Mf24.x1.5		0.8978 22.80m 0.8905 22.62m 0.8833 22.44m	0.8906 {57/64}
12.70	2.00	0.9449 24.0m			Mf24.x2.0		0.8821 22.41m 0.8724 22.16m 0.8628 21.91m	0.8750 {7/8}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
8.47	3.00	0.9449 24.0m			Mc24.x3.0		0.8507 21.61m 0.8362 21.24m 0.8217 20.87m	0.8281 {53/64}
25.40	1.00	0.9843 25.0m			Mf25.x1.0		0.9529 24.20m 0.9480 24.08m 0.9432 23.96m	0.9531 {61/64} 0.9375 {15/16}
16.93	1.50	0.9843 25.0m			Mf25.x1.5		0.9372 23.80m 0.9299 23.62m 0.9227 23.44m	0.9375 {15/16}
12.70	2.00	0.9842 25.0m			Mf25.x2.0		0.9215 23.41m 0.9118 23.16m 0.9021 22.91m	0.9062 {29/32}
20	1.27	1.0000 25.40m				1-20NEF	0.9578 24.33m 0.9513 24.16m 0.9448 24.00m	0.9531 {61/64}
12	2.117	1.0000 25.40m				1-12NF	0.9296 23.61m 0.9188 23.34m 0.9080 23.06m	0.9219 {59/64}
10	2.54	1.0000 25.40m		1-10BSF			0.9168 23.29m 0.9040 22.96m 0.8911 22.64m	0.9062 {29/32} 0.8906 {57/64}
8	3.175	1.0000 25.40m		1-8BSW			0.8959 22.76m 0.8799 22.35m 0.8639 21.94m	0.8750 {7/8}
8	3.175	1.0000 25.40m				1-8NC	0.8945 22.72m 0.8782 22.31m 0.8620 21.89m	0.8750 {7/8}
8	3.175	1.5000 38.10m				1.5-8	1.3945 35.42m 1.3782 35.01m 1.3620 34.59m	1.375 {1 3/8}

Table 2: Thread Sizes Sorted By Diameter

TPI	MM Pitch	Dia.	BA	BSF/BSW	MM	NC/NF	Theo. 65 % 75 % 85 %	Common Tap Drill
8	3.175	2.2500 57.15m				2.25-8	2.1445 54.47m 2.1282 54.06m 2.1120 53.64m	2.125 {2 1/8}

Wire and Letter Drill Sizes

Table 3:

Drill	Size	Drill	Size	Drill	Size	Drill	Size
80	.0135	50	.0700	20	.1610	A	.2340
79	.0145	49	.0730	19	.1660	B	.2380
78	.0160	48	.0760	18	.1695	C	.2420
77	.0180	47	.0785	17	.1730	D	.2460
76	.0200	46	.0810	16	.1770	E	.2500
75	.0210	45	.0820	15	.1800	F	.2570
74	.0225	44	.0860	14	.1820	G	.2610
73	.0240	43	.0890	13	.1850	H	.2660
72	.0250	42	.0935	12	.1890	I	.2720
71	.0260	41	.0960	11	.1910	J	.2770
70	.0280	40	.0980	10	.1935	K	.2810
69	.0292	39	.0995	9	.1960	L	.2900
68	.0310	38	.1015	8	.1990	M	.2950
67	.0320	37	.1040	7	.2010	N	.3020
66	.0330	36	.1065	6	.2040	O	.3160
65	.0350	35	.1100	5	.2055	P	.3230
64	.0360	34	.1110	4	.2090	Q	.3320
63	.0370	33	.1130	3	.2130	R	.3390
62	.0380	32	.1160	2	.2210	S	.3480
61	.0390	31	.1200	1	.2280	T	.3580
60	.0400	30	.1285			U	.3680
59	.0410	29	.1360			V	.3770
58	.0420	28	.1405			W	.3860
57	.0430	27	.1440			X	.3970
56	.0465	26	.1470			Y	.4040
55	.0520	25	.1495			Z	.4130
54	.0550	24	.1520				

Table 3:

Drill	Size	Drill	Size	Drill	Size	Drill	Size
53	.0595	23	.1540				
52	.0635	22	.1570				
51	.0670	21	.1590				

Table 4: Fractional Equivalents

	1/64	.015625
	2/64	.03125
	3/64	.046875
1/16	4/64	.0625
	5/64	.078125
	6/64	.09375
	7/64	.109375
1/8	8/64	.125
	9/64	.140625
	10/64	.15625
	11/64	.171875
3/16	12/64	.1875
	13/64	.203125
	14/64	.21875
	15/64	.234375
1/4	16/64	.250
	17/64	.265625
	18/64	.28125
	19/64	.296875
5/16	20/64	.3125
	21/64	.328125
	22/64	.34375
	23/64	.359375
3/8	24/64	.375
	25/64	.390625
	26/64	.40625
	27/64	.421875
7/16	28/64	.4375

Table 4: Fractional Equivalents

		29/64	.453125
		15/32	.46875
		31/64	.484375
1/2			.500
		33/64	.515625
		17/32	.53125
		35/64	.546875
	9/16		.5625
		37/64	.578125
		19/32	.59375
		39/64	.609375
	5/8		.625
		41/64	.640625
		21/32	.65625
		43/64	.671875
	11/16		.6875
		45/64	.703125
		23/32	.71875
		47/64	.734375
3/4			.750
		49/64	.765625
		25/32	.78125
		51/64	.796875
	13/16		.8125
		53/64	.828125
		27/32	.84375
		55/64	.859375
	7/8		.875
		57/64	.890625
		29/32	.90625

Table 4: Fractional Equivalents

	59/64	.921875
15/16		.9375
	61/64	.953125
	31/32	.96875
	63/64	.984375