

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE
1	.80	
64	.79	
	.0156	
	.0160	
	.0180	
	.0200	
	.0210	
	.0225	
	.0240	
	.0250	
	.0260	
	.0280	
	.0292	
	.0310	
1	.32	
	.0312	
	.0320	
	.0330	
	.0350	
	.0360	
	.0370	
	.0380	
	.0390	
	.0400	
	.0410	
	.0420	
	.0430	
	.0465	
3	.64	0 - 80
	.0469	
	.0520	
	.0550	
1	.53	1 - 64, 72
	.0595	
	.0625	
	.0635	
	.0670	
	.0700	
	.0730	
	.0760	
	.0781	
	.0785	
	.0810	
	.0820	
	.0860	
	.0890	
	.0935	
	.0938	
	.0960	
	.0980	
	.0995	
	.1015	
	.1040	
	.1065	
	.1094	
	.1100	
	.1110	
	.1130	
	.1160	
	.1200	
	.1250	
	.1285	
	.1360	
	.1405	
	.1406	
	.1440	
	.1470	
	.1495	
	.1520	
	.1540	
	.1562	
	.1570	
	.1590	
	.1610	
	.1660	
	.1695	
	.1719	
	.1730	
	.1770	
	.1800	
	.1820	
	.1850	
	.1875	
	.1890	
	.1910	

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE
10	.1935	
9	.1960	
8	.1990	
7	.2010	
13	.2031	1/4 - 20
64	.2040	
6	.2055	
5	.2090	
4	.2130	
3	.2188	1/4 - 28
7	.2210	
32	.2220	
2	.2280	
1	.2340	
A	.2344	
15	.2380	
64	.2420	
	.2460	
	.2500	
	.2570	
	.2610	
	.2656	
17	.2660	
64	.2720	
	.2770	
	.2810	
	.2812	
	.2900	
	.2950	
	.2969	
	.3020	
	.3125	
	.3160	
	.3230	
	.3281	
	.3320	
	.3390	
	.3438	
	.3480	
	.3580	
	.3594	
	.3680	
	.3750	
	.3770	
	.3860	
	.3906	
	.3970	
	.4040	
	.4062	
	.4130	
	.4219	
	.4375	
	.4531	
	.4688	
	.4844	
	.5000	
	.5156	
	.5312	
	.5469	
	.5625	
	.5781	
	.5938	
	.6094	
	.6250	
	.6406	
	.6562	
	.6719	
	.6875	
	.7031	
	.7188	
	.7344	
	.7500	
	.7656	
	.7812	
	.7969	
	.8125	
	.8281	
	.8438	
	.8594	
	.8750	
	.8906	
	.9062	

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE
59	.9219	
64	.9375	1 - 12
61	.9531	1 - 14
64	.9688	
63	.9844	
64	1.0000	1 1/8 - 7
1 3/64	1.0469	1 1/8 - 12
1 7/64	1.1094	1 1/4 - 7
	1.1250	
1 11/64	1.1719	1 1/4 - 12
1 17/64	1.2188	1 3/8 - 6
	1.2500	
1 19/64	1.2969	1 3/8 - 12
1 11/32	1.3438	1 1/2 - 6
	1.3750	
1 27/64	1.4219	1 1/2 - 12
	1.5000	

METRIC TAP DRILL SIZES		
METRIC TAP	TAP DRILL (mm)	DECIMAL (inch)
M1.6 x 0.35	1.25	.0492
M1.8 x 0.35	1.45	.0571
M2 x 0.4	1.60	.0630
M2.2 x 0.45	1.75	.0689
M2.5 x 0.45	2.05	.0807
M3 x 0.5	2.50	.0984
M3.5 x 0.6	2.90	.1142
M4 x 0.7	3.30	.1299
M4.5 x 0.75	3.70	.1457
M5 x 0.8	4.20	.1654
M6 x 1	5.00	.1968
M7 x 1	6.00	.2362
M8 x 1.25	6.70	.2638
M8 x 1	7.00	.2756
M10 x 1.5	8.50	.3346
M10 x 1.25	8.70	.3425
M12 x 1.75	10.20	.4016
M12 x 1.25	10.80	.4252
M14 x 2	12.00	.4724
M14 x 1.5	12.50	.4921
M16 x 2	14.00	.5512
M16 x 1.5	14.50	.5709
M18 x 2.5	15.50	.6102
M18 x 1.5	16.50	.6496
M20 x 2.5	17.50	.6890
M20 x 1.5	18.50	.7283
M22 x 2.5	19.50	.7677
M22 x 1.5	20.50	.8071
M24 x 3	21.00	.8268
M24 x 2	22.00	.8661
M27 x 3	24.00	.9449
M27 x 2	25.00	.9843
M30 x 3.5	26.50	1.0433
M30 x 2	28.00	1.1024
M33 x 3.5	29.50	1.1614
M33 x 2	31.00	1.2205
M36 x 4	32.00	1.2598
M36 x 3	33.00	1.2992
M39 x 4	35.00	1.3780
M39 x 3	36.00	1.4173

PIPE THREAD SIZES (NPS)			
THREAD	DRILL	THREAD	DRILL
1/8 - 27	11/32	1 1/2 - 11 1/2	1 3/4
1/4 - 18	7/16	2 - 11 1/2	2 7/32
3/8 - 18	37/64	2 1/2 - 8	2 21/32
1/2 - 14	23/32	3 - 8	3 1/4
3/4 - 14	59/64	3 1/2 - 8	3 3/4
1 - 11 1/2	1 5/32	4 - 8	4 1/4
1 1/4 - 11 1/2	1 1/2		