



METAL

WOOD

PLASTIC

INCH/METRIC TAP DRILL SIZES & DECIMAL EQUIVALENTS

DRILL SIZE		DECIMAL EQUIVALENT	TAP SIZE	DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE	DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE	
1 64	80	.0135	0 - 80	10	.1935	1/4 - 20	59		1 - 12	
	79	.0145		9	.1960		64	15		.9219
		.0156		8	.1990		61	16		.9375
	78	.0160		7	.2010		64	31		.9531
	77	.0180			.2031		63	32		.9688
	76	.0200		6	.2040		64			.9844
	75	.0210		5	.2055			1		1.0000
	74	.0225		4	.2090		13/64			1.0469
	73	.0240		3	.2130		17/64			1.1094
	72	.0250			.2188			1 1/8		1.1250
71	.0260	2	.2210	111/64		1.1719	11/4 - 12			
70	.0280	1	.2280		17/32	1.2188	13/8 - 6			
69	.0292	A	.2340		1 1/4	1.2500				
68	.0310		.2344	15 64		119/64	1.2969	13/8 - 12		
1 32		.0312		.2380		111/32	1.3438	1 1/2 - 6		
	67	.0320	B	.2420		1 3/8	1.3750			
	66	.0330	C	.2460		1 1/2	1.5000	1 1/2 - 12		
	65	.0350	D	.2500	5/16 - 18					
	64	.0360	E	.2570						
	63	.0370	F	.2610						
	62	.0380	G	.2656						
	61	.0390		.2660						
	60	.0400	H	.2720						
	59	.0410	I	.2770						
58	.0420	J	.2810							
57	.0430	K	.2812							
56	.0465	L	.2900							
3 64		.0469	M	.2950	5/16 - 24					
	55	.0520	N	.2969						
	54	.0550		.3020						
	53	.0595	5 16	.3125		3/8 - 16				
		.0625	O	.3160						
	52	.0635	P	.3230						
	51	.0670		.3281						
	50	.0700	Q	.3320			3/8 - 24			
	49	.0730	R	.3390						
	48	.0760		.3438						
	.0781	S	.3480							
47	.0785	T	.3580							
46	.0810		.3594							
45	.0820	3 8	.3680	7/16 - 14						
44	.0860	V	.3750							
43	.0890	W	.3770							
42	.0935		.3860							
	.0938	25 64	.3906		7/16 - 20					
41	.0960		.3970							
40	.0980	X	.4040							
39	.0995	Y	.4062							
38	.1015	Z	.4130							
37	.1040		.4219			1/2 - 13				
36	.1065	7 16	.4375							
	.1094		.4531	1/2 - 20						
35	.1100	15 32	.4688							
34	.1110		.4844				9/16 - 12			
33	.1130	1 2	.5000							
32	.1160		.5156		9/16 - 18 5/8 - 11					
31	.1200	17 32	.5312							
	.1250		.5469							
30	.1285	9 16	.5625					5/8 - 18		
29	.1360		.5781							
28	.1405	19 32	.5938							
	.1406		.6094							
27	.1440	5 8	.6250	3/4 - 10						
26	.1470		.6406							
25	.1495	21 32	.6562			3/4 - 16				
24	.1520		.6719							
23	.1540	11 16	.6875							
	.1562		.7031							
22	.1570	23 32	.7188		7/8 - 9					
21	.1590		.7344							
20	.1610	3 4	.7500							
19	.1660		.7656				7/8 - 14			
18	.1695	25 32	.7812							
	.1719		.7969							
17	.1730	13 16	.8125							
16	.1770		.8281	1 - 8						
15	.1800	27 32	.8438							
14	.1820		.8594							
13	.1850	7 8	.8750							
	.1875		.8906							
12	.1890	29 32	.9062							
11	.1910									

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 (NPSC)			
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	15/32	4 - 8	4 1/4
1 1/4 - 11 1/2	1 1/2		

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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	15/32	4 - 8	4 1/4
1 1/4 - 11 1/2	1 1/2		