



Precision, Quality and Innovation...
Since 1880

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	10	.1935	1/4 - 20	59/64		1 - 12																										
	79	.0145		9					.1960	64	.9219	1 - 14																						
	1/32	78		.0156					13/64	.1990	1/4 - 28	61/64	.9375	1 - 14																				
		77		.0160						8		.2010	61	.9531	1 1/8 - 7																			
		76		.0180						7/32		7	.2031	64	.9688	1 1/8 - 12																		
		75		.0200								6	.2040	63	.9844	1 1/8 - 12																		
		74		.0210								5	.2055	64	1.0000	1 1/4 - 7																		
		73		.0225								4	.2090	1	1.0469	1 1/4 - 7																		
		72		.0240						15/64		3	.2130	1 3/4	1.1094	1 1/2 - 6																		
		71		.0250									2	.2188	1 1/8	1.1250	1 1/4 - 12																	
		70		.0260									1	.2210	1 1/4	1.1719	1 3/8 - 6																	
		69		.0280									A	.2280	1 1/2	1.2188	1 3/8 - 12																	
		68		.0292									B	.2340	1 3/8	1.2500	1 1/2 - 6																	
		3/64		67									.0310	17/64	.2344	5/16 - 18	1 19/64	1.2969	1 3/8 - 12															
	66			.0312					.2380	1 11/32	1.3438	1 1/2 - 6																						
	65			.0320					C	.2420	1 27/64	1 3/8	1.3750		1 1/2 - 12																			
	64			.0330					D	.2460		1 1/2	1.5000		1 1/2 - 12																			
	63			.0350					E	.2500		1 1/2																						
	62			.0360					F	.2570																								
	61			.0370					G	.2610																								
	60			.0380					9/32	H		.2656	5/16 - 24																					
	59			.0390							I	.2660																						
	58			.0390							J	.2720																						
	57			.0400							K	.2770																						
56	.0410		L	9	.2810																													
1/16	55	.0465		19/64	.2812	3/8 - 16																												
	54	.0469	.2900		3/8 - 24																													
	53	.0520	L										.2950	7/16 - 14																				
	52	.0550	M										.2969					7/16 - 20																
	51	.0550	N										5/16									.3020												
	50	.0595																									O	.3160	1/2 - 13					
	49	.0625																									P	.3230					1/2 - 20	
	48	.0635			21				.3281	9/16 - 12																								
	47	.0670			64				.3320					9/16 - 18																				
	46	.0700			11/32				Q									.3390	5/8 - 11															
	45	.0730	R										.3438					5/8 - 18																
	44	.0760	S										.3480												3/4 - 10									
3/32	43	.0781	23/64	.3580		3/4 - 16																												
	42	.0785		T						.3594		3/4 - 16																						
	41	.0810		U						3/8				.3680																				
	40	.0820			V				.3770										7/8 - 9															
	39	.0860			W				.3860									7/8 - 14																
	38	.0890			25/64				X																.3906									
	37	.0935																							64									.3970
	36	.0938										13	.4040												7/8 - 14									
	35	.0960		32						.4062		7/8 - 14																						
	34	.0980		27/64						Y						.4130																		
	33	.0995														Z		.4219																
	32	.1015			7				.4375																									
31	.1040	29/64	15/16		.4531																													
5/64	30				.1065						31/32														.4688		9/16 - 18							
	29				.1094							64	.4844	5/8 - 11																				
	28			.1100	33					.5000		5/8 - 18																						
	27			.1110	64					.5156										3/4 - 10														
	26			.1130	17					.5312						3/4 - 16																		
	25	.1160	35	.5469	7/8 - 9																													
	24	.1200	64	.5512					7/8 - 14																									
	23	.1285	37/64	9/16										.5625																				
	22	.1285										19	.5781																					
	21	.1360										39	.5938																					
	20	.1360										64	.6094																					
	19	.1405			41	.6250																												
9/64	18	.1405			43/64	.6406			1 - 8																									
	17	.1406	21	.6562																														
	16	.1440	32	.6719										1 - 8																				
	15	.1470	45/64	11/16																.6875														
	14	.1495														64		.7031																
	13	.1520					23	.7188																										
	12	.1540					47	.7344																										
	11	.1562				64	.7500																											
	11/64	22				.1570	49/64							.7656																				
		21	.1570	25		.7812																												
		20	.1590	32		.7969																												
		19	.1610	51/64		13/16						.8125																						
18		.1660	64		.8281																													
17		.1660	27		.8438																													
16		.1695	32		.8594																													
15		.1719	64		.8750																													
14		.1730	57/64		7/8															.8906														
13		.1770		29		.9062																												
12		.1800		32		.9219																												
11		.1820		64		.9375																												
10	.1850	11		.9531																														
9	.1875	16		.9688																														
8	.1890	19	.9844																															
7	.1910	23	1.0000																															
6	.1910	29	1.0469																															
5	.1910	37	1.1094																															
4	.1910	47	1.1719																															
3	.1910	59	1.2188																															
2	.1910	63	1.2500																															
1	.1910	63	1.2969																															
0	.1910	64	1.3438																															

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		