

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

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		