

### INCH/METRIC TAP DRILL SIZES & DECIMAL EQUIVALENTS

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE	METRIC TAP DRILL SIZES		
			METRIC TAP	TAP DRILL (mm)	DECIMAL (Inch)
<u>39</u> <sup>19</sup> / <sub>32</sub>	.5938	3/4 - 10	M1.6 x 0.35	1.25	.0492
<u>64</u> <sup>5</sup> / <sub>8</sub>	.6094		M1.8 x 0.35	1.45	.0571
<u>41</u> <sup>5</sup> / <sub>8</sub>	.6250		M2 x 0.4	1.60	.0630
<u>64</u> <sup>21</sup> / <sub>32</sub>	.6406		M2.2 x 0.45	1.75	.0689
<u>43</u> <sup>32</sup> / <sub>64</sub>	.6562	3/4 - 16	M2.5 x 0.45	2.05	.0807
<u>64</u> <sup>11</sup> / <sub>16</sub>	.6719		M3 x 0.5	2.50	.0984
<u>45</u> <sup>11</sup> / <sub>16</sub>	.6875		M3.5 x 0.6	2.90	.1142
<u>64</u> <sup>23</sup> / <sub>32</sub>	.7031		M4 x 0.7	3.30	.1299
<u>47</u> <sup>3</sup> / <sub>4</sub>	.7188	7/8 - 9	M4.5 x 0.75	3.70	.1457
<u>64</u> <sup>3</sup> / <sub>4</sub>	.7344		M5 x 0.8	4.20	.1654
<u>49</u> <sup>3</sup> / <sub>4</sub>	.7500		M6 x 1	5.00	.1968
<u>64</u> <sup>25</sup> / <sub>32</sub>	.7656		M7 x 1	6.00	.2362
<u>51</u> <sup>32</sup> / <sub>64</sub>	.7812	7/8 - 14	M8 x 1.25	6.70	.2638
<u>64</u> <sup>13</sup> / <sub>16</sub>	.7969		M8 x 1	7.00	.2756
<u>53</u> <sup>13</sup> / <sub>16</sub>	.8125		M10 x 1.5	8.50	.3346
<u>64</u> <sup>27</sup> / <sub>32</sub>	.8281		M10 x 1.25	8.70	.3425
<u>55</u> <sup>32</sup> / <sub>64</sub>	.8438	1 - 8	M12 x 1.75	10.20	.4016
<u>64</u> <sup>7</sup> / <sub>8</sub>	.8594		M12 x 1.25	10.80	.4252
<u>57</u> <sup>7</sup> / <sub>8</sub>	.8750		M14 x 2	12.00	.4724
<u>64</u> <sup>29</sup> / <sub>32</sub>	.8906		M14 x 1.5	12.50	.4921
<u>59</u> <sup>32</sup> / <sub>64</sub>	.9062	1 - 12	M16 x 2	14.00	.5512
<u>64</u> <sup>15</sup> / <sub>16</sub>	.9219		M16 x 1.5	14.50	.5709
<u>61</u> <sup>15</sup> / <sub>16</sub>	.9375		M18 x 2.5	15.50	.6102
<u>64</u> <sup>31</sup> / <sub>32</sub>	.9531		M18 x 1.5	16.50	.6496
<u>63</u> <sup>32</sup> / <sub>64</sub>	.9688	1 1/8 - 7	M20 x 2.5	17.50	.6890
<u>64</u> <sup>1</sup> / <sub>1</sub>	.9844		M20 x 1.5	18.50	.7283
<u>13/<sub>64</sub></u>	1.0000		M22 x 2.5	19.50	.7677
<u>17/<sub>64</sub></u>	1.0469		M22 x 1.5	20.50	.8071
<u>11/<sub>64</sub></u>	1.1094	1 1/4 - 12	M24 x 3	21.00	.8268
<u>17/<sub>32</sub></u>	1.1250		M24 x 2	22.00	.8661
<u>11/<sub>32</sub></u>	1.1719		M27 x 3	24.00	.9449
<u>17/<sub>16</sub></u>	1.2188		M27 x 2	25.00	.9843
<u>11/<sub>16</sub></u>	1.2500	1 3/8 - 12	M30 x 3.5	26.50	1.0433
<u>119/<sub>64</sub></u>	1.2969		M30 x 2	28.00	1.1024
<u>111/<sub>32</sub></u>	1.3438		M33 x 3.5	29.50	1.1614
<u>13/<sub>8</sub></u>	1.3750		M33 x 2	31.00	1.2205
<u>127/<sub>64</sub></u>	1.4219	1 1/2 - 12	M36 x 4	32.00	1.2598
<u>1/<sub>2</sub></u>	1.5000		M36 x 3	33.00	1.2992
<u>1/<sub>2</sub></u>	1.5000		M39 x 4	35.00	1.3780
<u>1/<sub>2</sub></u>	1.5000		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	13/4
1/4 - 18	7/16	2 - 11 1/2	27/32
3/8 - 18	37/64	2 1/2 - 8	221/32
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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DRILL SIZE	DECIMAL EQUIV.	TAP SIZE	DRILL SIZE	DECIMAL EQUIV.	TAP SIZE	DRILL SIZE	DECIMAL EQUIV.	TAP SIZE
	80 .0135		37 .1040		5 - 44	D	.2460	
$\frac{1}{64}$	79 .0145		36 .1065		6 - 32	$\frac{1}{4}$ E	<b>.2500</b>	
						F	.2570	5/16 - 18
	78 .0160		35 .1100			G	.2610	
	77 .0180		34 .1110				.2656	
	76 .0200		33 .1130		6 - 40	H	.2660	
	75 .0210		32 .1160			I	.2720	5/16 - 24
	74 .0225		31 .1200			J	.2770	
	73 .0240		$\frac{1}{8}$ 30 <b>.1250</b>			K	.2810	
	72 .0250		29 .1285		8 - 32, 36	$\frac{9}{32}$ L	.2812	
	71 .0260		28 .1360			M	.2900	
	70 .0280		27 .1405				.2950	
	69 .0292		26 .1406			$\frac{19}{64}$ N	.2969	
$\frac{1}{32}$	68 .0310		25 .1440			$\frac{5}{16}$ O	.3020	3/8 - 16
			24 .1470		10 - 24	P	<b>.3125</b>	
	67 .0320		23 .1495			Q	.3160	
	66 .0330		22 .1520			R	.3230	
	65 .0350		21 .1540				.3281	
	64 .0360		$\frac{5}{32}$ 20 .1562			21 S	.3281	3/8 - 24
	63 .0370		19 .1570			T	.3320	
	62 .0380		18 .1590		10 - 32	$\frac{11}{32}$ U	.3390	
	61 .0390		17 .1610			V	.3438	
	60 .0400		16 .1660			W	.3480	
	59 .0410		15 .1695			X	.3580	
	58 .0420		14 .1719			23 Y	.3594	
	57 .0430		$\frac{11}{64}$ 17 .1730			$\frac{3}{8}$ Z	.3680	7/16 - 14
	56 .0465		16 .1770		12 - 24	$\frac{3}{8}$ A	<b>.3750</b>	
$\frac{3}{64}$		0 - 80	15 .1800		12 - 28	V	.3770	
			14 .1820			W	.3860	
	55 .0520		13 .1850			25 X	.3906	7/16 - 20
	54 .0550		12 .1875			29 Y	.3970	
	$\frac{1}{16}$ 53 .0595	1 - 64, 72	11 .1890			13 Z	.4040	
	$\frac{1}{16}$ 52 .0635		10 .1910			$\frac{13}{32}$ A	.4062	
	51 .0670		9 .1935			27 B	.4130	
	50 .0700	2 - 56, 64	8 .1960			$\frac{7}{64}$ C	.4219	1/2 - 13
	49 .0730		7 .1990			$\frac{29}{16}$ D	<b>.4375</b>	
	48 .0760		6 .2010		1/4 - 20	29 E	.4531	1/2 - 20
$\frac{5}{64}$			$\frac{13}{64}$ 5 .2031			15 F	.4688	
			4 .2040			31 G	.4844	9/16 - 12
	47 .0785	3 - 48	3 .2055			$\frac{1}{64}$ H	<b>.5000</b>	
	46 .0810		2 .2090			$\frac{33}{64}$ I	.5156	9/16 - 18
	45 .0820	3 - 56	1 .2130		1/4 - 28	2 J	.5312	5/8 - 11
	44 .0860		$\frac{7}{32}$ A .2188			17 K	.5312	
	43 .0890	4 - 40	1 .2210			32 L	.5469	
	42 .0935	4 - 48	1 .2280			35 M	.5625	
$\frac{3}{32}$			A .2340			$\frac{35}{64}$ N	<b>.5625</b>	5/8 - 18
			1 .2344			$\frac{37}{64}$ O	.5781	
	40 .0980		B .2380			16 P		
	39 .0995	5 - 40	C .2420					
	38 .1015							