

autochron

TAPPING SIZES

Metric Coarse

Size	Pitch	Tap drill
1.0	0.25	0.75
1.1	0.25	0.85
1.2	0.25	0.95
1.4	0.30	1.10
1.6	0.35	1.25
1.8	0.35	1.45
2.0	0.40	1.60
2.2	0.45	1.75
2.5	0.45	2.05
3.0	0.50	2.50
3.5	0.60	2.90
4.0	0.70	3.30
4.5	0.75	3.70
5.0	0.80	4.20
6.0	1.00	5.00
7.0	1.00	6.00
8.0	1.25	6.80
9.0	1.25	7.80
10.0	1.50	8.50
11.0	1.50	9.50
12.0	1.75	10.20
14.0	2.00	12.00
16.0	2.00	14.00
18.0	2.50	15.50
20.0	2.50	17.50
22.0	2.50	19.50
24.0	3.00	21.00
27.0	3.00	24.00
30.0	3.50	26.50
33.0	3.50	29.50
36.0	4.00	32.00
39.0	4.00	35.00
42.0	4.50	37.50
45.0	4.50	40.50
48.0	5.00	43.00
52.0	5.00	47.00
56.0	5.50	50.50
60.0	5.50	54.50
64.0	6.00	58.00
68.0	6.00	62.00
72.00	6.00	66.00
76.00	6.00	70.00

Wood screw

Gauge	Size
2	0.0820 2.08
3	0.0940 2.39
4	0.1080 2.74
5	0.1220 3.10
6	0.1360 3.45
7	0.1500 3.81
8	0.1640 4.17
9	0.1780 4.52
10	0.1920 4.88
12	0.2200 5.59
14	0.2480 6.30
16	0.2760 7.01
18	0.3040 7.72
20	0.3320 8.43

SWG (thickness)

Gauge	Size
1swg	0.3000 7.62
2swg	0.2760 7.01
3swg	0.2520 6.40
4swg	0.2320 5.89
5swg	0.1920 4.88
6swg	0.1600 4.06
8swg	0.1280 3.25
10swg	0.1040 2.64
12swg	0.0920 2.34
14swg	0.0800 2.03
16swg	0.0640 1.63
18swg	0.0480 1.22
20swg	0.0380 0.97
22swg	0.0280 0.71
24swg	0.0220 0.56
26swg	0.0180 0.46
28swg	0.0148 0.38
29swg	0.0136 0.35
30swg	0.0124 0.32

AWG (American)

Gauge	Size
1awg	0.2893 7.35
2awg	0.2576 6.54
3awg	0.2294 5.83
4awg	0.2043 5.19
5awg	0.1819 4.62
6awg	0.1620 4.12
7awg	0.1443 3.67
8awg	0.1285 3.26
9awg	0.1144 2.91
10awg	0.1019 2.59
11awg	0.0907 2.31
12awg	0.0808 2.05
13awg	0.0720 1.83
14awg	0.0641 1.63
15awg	0.0571 1.45
16awg	0.0508 1.29
17awg	0.0453 1.15
18awg	0.0403 1.02
19awg	0.0359 0.91
20awg	0.032 0.81

Metric Fine

Size	Pitch	Tap drill
2	0.25	1.75
2.2	0.25	1.95
2.3	0.25	2.05
2.5	0.35	2.15
2.6	0.35	2.25
3	0.35	2.65
3.5	0.35	3.15
4	0.35	3.65
5	0.50	4.65
5.5	0.50	5.25
6	0.50	6.00
6.5	0.75	6.25
7	0.75	7.25
8	1.00	7.00
9	0.75	8.25
10	1.00	8.00
11	1.00	9.50
12	0.75	9.25
13	1.00	9.00
14	1.25	8.75
15	1.25	10.25
16	1.50	10.75
17	1.50	12.25
18	1.75	11.25
19	1.75	12.75
20	2.00	13.25
21	2.00	14.75
22	2.50	15.25
23	2.50	16.75
24	3.00	17.25
25	3.00	18.75
26	3.50	19.25
27	3.50	20.75
28	4.00	21.25
29	4.00	22.75
30	4.50	23.25
31	4.50	24.75
32	5.00	25.25
33	5.00	26.75
34	5.50	27.25
35	5.50	28.75
36	6.00	29.25
37	6.00	30.75
38	6.50	31.25
39	6.50	32.75
40	7.00	33.25
41	7.50	33.75
42	7.50	34.75
43	8.00	35.25
44	8.00	36.25
45	8.50	36.75
46	8.50	37.75
47	9.00	38.25
48	9.00	39.25
49	9.50	39.75
50	9.50	40.75
51	10.00	41.25
52	10.00	42.25
53	10.50	42.75
54	10.50	43.75
55	11.00	44.25
56	11.00	45.25
57	11.50	45.75
58	11.50	46.75
59	12.00	47.25
60	12.00	48.25
61	12.50	48.75
62	12.50	49.75
63	13.00	50.25
64	13.00	51.25
65	13.50	51.75
66	13.50	52.75
67	14.00	53.25
68	14.00	54.25
69	14.50	54.75
70	14.50	55.75
71	15.00	56.25
72	15.00	57.25
73	15.50	57.75
74	15.50	58.75
75	16.00	59.25
76	16.00	60.25
77	16.50	60.75
78	16.50	61.75
79	17.00	62.25
80	17.00	63.25
81	17.50	63.75
82	17.50	64.75
83	18.00	65.25
84	18.00	66.25
85	18.50	66.75
86	18.50	67.75
87	19.00	68.25
88	19.00	69.25
89	19.50	69.75
90	19.50	70.75
91	20.00	71.25
92	20.00	72.25
93	20.50	72.75
94	20.50	73.75
95	21.00	74.25
96	21.00	75.25
97	21.50	75.75
98	21.50	76.75
99	22.00	77.25
100	22.00	78.25

BSC (cycle)

Size	Pitch	Tap drill
17 swg	56	0.0390 61
17 swg	62	0.0420 57
16 swg	56	0.0390 61
16 swg	62	0.0469 3/64 1.2
15 swg	56	0.0550 54 1.4
15 swg	62	0.0625 1/16 1.6
14 swg	56	0.0630 1/16 1.6
14 swg	62	0.0630 5/2 1.6
13 swg	56	0.0748 48 1.9
12 swg	44	0.0810 46 2.1
11 swg	44	0.0960 41 2.5
1/8	40	0.0995 39 2.5
10 swg	44	0.1063 36 2.7
9 swg	40	0.1160 32 3
5/32	32	0.1285 30 3.2
8 swg	40	0.1360 29 3.5
7 swg	32	0.1440 27 3.7
3/16	32	0.1562 5/32 4
7/32	26	0.1800 15 4.6
1/4	26	0.2130 3 5.4
1/16	26	0.2280 1 5.8
9/32	26	0.2420 C 6.2
5/16	26	0.2750 J 7
3/8	26	0.3390 R 8.6
7/16	26	0.3970 X 10.1
1/2	26	0.3860 W 9.8
1/2	26	0.4688 15/32 11.7
1/2	20	0.4528 29/64 11.5
9/16	26	0.5313 17/32 13.3
9/16	20	0.5118 33/64 13
5/8	26	0.5905 19/32 15
5/8	20	0.5780 37/64 14.6
11/16	26	0.6496 21/32 16.5
11/16	20	0.6406 41/64 16.2
3/4	26	0.7120 2/32 18.1
3/4	20	0.7031 45/64 17.7
7/8	24	0.8370 27/32 21.1
31/32	30	0.9370 15/16 23.8
1 inch	24	0.9688 31/32 24.3
1 inch	26	0.9688 31/32 24.4
1 1/8	26	1.0937 1 - 3/32 27.6
1 1/8	24	1.2500 1 - 1/4 31.7
1 3/8	24	1.3281 1 - 21/64 33.7
1 3/8	24	1.3281 1 - 21/64 33.7
1 1/2	26	1.4218 1 - 27/64 35.8
1 1/2	26	1.4218 1 - 27/64 35.8
1 7/16	24	1.5312 1 - 17/32 38.6
1 5/8	24	1.5937 1 - 19/32 38.4

BA

No.	Size	Pitch	Tap drill
0	6.00	1.00	5.10
1	5.30	0.90	4.50
2	4.70	0.81	4.00
3	4.10	0.73	3.50
4	3.60	0.66	3.00
5	3.20	0.59	2.70
6	2.80	0.53	2.35
7	2.50	0.48	2.10
8	2.20	0.43	1.80
9	1.90	0.39	1.50
10	1.70	0.35	1.40
11	1.50	0.31	1.20
12	1.30	0.28	1.05
13	1.20	0.25	0.95
14	1.00	0.23	0.80
15	0.90	0.21	0.70
16	0.79	0.19	0.60

BSW

Size	Pitch	Tap drill
1/16	60	0.0465 56 1.10
3/32	48	0.07 50 1.80
1/8	40	0.0984 40 2.50
5/32	32	0.12 31 3.10
3/16	24	0.1457 27 3.70
7/32	24	0.173 17 4.40
1/4	20	0.2008 8 5.10
5/16	18	0.2559 E 6.50
3/8	16	0.3125 5/16 8.00
7/16	14	0.3622 23/64 9.20
1/2	12	0.4134 Z 10.50
9/16	12	0.4764 31/64 12.10
5/8	11	0.5315 17/32 13.50
11/16	11	0.5938 19/32 15.00
3/4	10	0.6406 41/64 16.30
13/16	10	0.7126 23/32 18.10
7/8	9	0.75 3/4 19.30
15/16	9	0.8281 53/64 21.00
1	8	0.8661 55/64 22.00
1 1/8	7	0.9744 31/32 24.80
1 1/4	7	1.0938 1 - 3/32 27.50
1 3/8	6	1.1875 1 - 3/8 30.00
1 1/2	6	1.3189 1 - 5/16 33.50
1 5/8	5	1.375 1 - 3/8 35.00
1 3/4	5	1.5354 1 - 17/32 39.00
1 7/8	4.5	1.625 1 - 5/8 41.00
2	4.5	1.752 1 - 3/4 44.50
2 1/4	4	1.9685 50.00
2 1/2	4	2.2047 56.00
2 3/4	3.5	2.4213 61.50
3	3.5	2.6772 68.00
3 1/4	3.25	2.9035 73.75
3 1/2	3.25	3.1496 80.00
3 3/4	3	3.3661 85.50

UNC

Size	Pitch	Tap drill
(1)	64	0.0551 54 1.40
(2)	56	0.0669 51 1.70
(3)	48	0.0787 47 2.00
(4)	40	0.0866 44 2.20
(5)	40	0.0984 40 2.50
(6)	32	0.1102 35 2.80
(8)	32	0.1339 29 3.40
(10)	24	0.1457 24 3.70
(12)	24	0.1732 16 4.40
1/4	20	0.2047 7 5.20
1/3	18	0.2559 F 6.50
3/8	16	0.3110 5/16 7.90
4/9	14	0.3661 U 9.30
1/2	13	0.4213 27/64 10.70
4/7	12	0.4764 31/64 12.10
5/8	11	0.5307 17/32 13.49
3/4	10	0.6496 21/32 16.50
7/8	9	0.7657 49/64 19.45
1	8	0.8760 7/8 22.25
1 1/8	7	0.9844 63/64 25.00
1 1/4	7	1.1094 1 - 7/64 28.18
1 3/8	6	1.2106 1 - 7/32 30.75
1 1/2	6	1.3281 1 - 21/64 33.80
1 3/4	5</	