

# RECOMMENDED DRILL SIZES

Drill This Size Hole To Tap For This Size Bolt or Screw.....		For This Size Wood Screw Pilot.....			
DRILL SIZE	DECIMAL EQUAL	BOLT/SCREW SIZE	NEAREST FRACTION DRILL SIZE	IN SOFT WOOD	IN HARD WOOD
58	0.0420			No. 3	
56	0.0465	0 x 80	3/64"		
55	0.0520			No. 4	
54	0.0550	1 x 56	1/16"		No. 3
53	0.0595	1 x 64, 1 x 72	1/16"	No. 5	
52	0.0635			No. 6	No. 4
51	0.0670			No. 7	
50	0.0700	2 x 56, 2 x 64	5/64"		
49	0.0730				No. 5
48	0.0760			No. 8	
47	0.0785	3 x 48	3/32"		No. 6
45	0.0820	3 x 56		No. 9	
44	0.0860	4 x 36			No. 7
43	0.0890	4 x 40		No. 10	
42	0.0935	4 x 48	3/32"		
40	0.0980	5 x 36	7/64"	No. 11	No. 8
38	0.1015	5 x 40	7/64"	No. 12	
37	0.1040	5 x 44	7/64"		No. 9
36	0.1105	6 x 32			
34	0.1110	6 x 36	1/8"		
33	0.1130	6 x 40	1/8"		No. 10
32	0.1160			No. 14	
31	0.1200	7 x 30, 7 x 32	1/8"		No. 11
1/8	0.1250	7 x 36	9/64"		
30	0.1285	8 x 30	9/64"		No. 12
29	0.1360	8 x 32, 8 x 36	9/64"	No. 16	
28	0.1405	8 x 40	9/64"		
27	0.1440	9 x 30	5/32"		
26	0.1470	9 x 32, 3/16" x 24	5/32"	No. 18	
25	0.1495	10 x 24	5/32"		No. 14
23	0.1540	10 x 28	5/32"		
22	0.1570	10 x 30, 3/16" x 32	11/64"		
21	0.1590	10 x 32	11/64"		

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DRILL SIZE	DECIMAL EQUAL	BOLT/SCREW SIZE	NEAREST FRACTION DRILL SIZE	IN SOFT WOOD	IN HARD WOOD
19	0.1660		11/64"	No. 20	
18	0.1695		11/64"		No. 16
16	0.1770	12 x 24	3/16"		
15	0.1800			No. 24	
14	0.1820	12 x 28	3/16"		
13	0.1850	12 x 32	3/16"		No. 18
10	0.1935	14 x 20	13/64"		
7	0.2010	1/4" x 20	13/64"		
4	0.2090	1/4" x 24	7/32"		No. 20
3	0.2130	1/4" x 28	7/32"		
7/32"	0.2188	1/4" x 32			
1	0.2280				No. 24
F	0.2570	5/16" x 18	17/64"		
17/64"	0.2656	5/16" x 18*			
9/32"	0.2812	5/16" x 24, 5/16" x 32*			
5/16"	0.3125	3/8" x 16, 1/8" Pipe			
21/64"	0.3281	3/8" x 20, 3/8" x 24			
3/8"	0.3750	7/16" x 14			
25/64"	0.3906	7/16" x 20			
27/64"	0.4219	1/2" x 12, 1/2" x 13			
7/16"	0.4375	1/4" Pipe			
29/64"	0.4531	1/2" x 20, 1/2" x 24			
15/32"	0.4688	1/2" x 27			
33/64"	0.5156	9/16" x 18*			
17/32"	0.5312	5/8" x 11			
37/64"	0.5781	5/8" x 18*			
21/32"	0.6562	3/4" x 10			
11/16"	0.6875	3/4" x 16			
49/64"	0.7656	7/8" x 9*			
13/16"	0.8125	7/8" x 14			
7/8"	0.8750	1" x 8			
29/32"	0.9062	1" x 12			
15/16"	0.9375	1" x 14			

All tap drill sizes are for 75% full thread except \* are 60% full thread. Where substitution is necessary, use next larger drill size.

