

TAP DRILL SELECTION

Recommended for 75% Depth of Thread

Drill This Size Hole			To Tap For This Size Bolt or Screw
Drill Size	Decimal Equivalent	Nearest Fraction	
3/64	.0469	3/64	0-80 NF
53	.0595	1/16	1-64 NC
53	.0595	1/16	1-72 NF
51	.0670	none	2-56 NC
50	.0700	none	2-64 NF
5/64	.0781	5/64	3-48 NC
45	.0820	none	3-56 NF
44	.0860	none	4-46 NS
43	.0890	3/32	4-40 NC
42	.0935	3/32	4-48 NF
2.5 mm	.0984	none	3-0.60 mm
38	.1015	none	1/8-40 NS
38	.1015	none	5-40 NC
37	.1040	none	5-44 NF
36	.1065	7/64	6-32 NC
34	.1110	none	6-36 NS
33	.1130	none	6-40 NF
31	.1200	none	6-48 NS
3.40 mm	.1339	none	4-0.70 mm
3.40 mm	.1339	none	4-0.75 mm
29	.1360	none	8-32 NC
29	.1360	9/64	8-36 NF
28	.1405	none	8-40 NS
26	.1470	none	3/16-24 NS
25	.1495	5/32	10-24 NC
22	.1570	none	3/16-32 NS
21	.1590	5/32	10-32 NF
4.2 mm	.1653	none	5-0.90 mm
4.3 mm	.1693	none	5-0.80 mm
17	.1730	11/64	12-24 NC
4.6 mm	.1811	3/16	12-28 NF
13	.1850	none	12-32 NEF
10	.1935	none	14-20 NS
7	.2010	13/64	1/4-20 NC
7	.2010	none	14-24 NS
5.2 mm	.2047	none	6-1.00 mm
4	.2090	none	1/4-24 NS
3	.2130	7/32	1/4-28 NF
7/32	.2188	7/32	1/4-32 NEF
1	.2280	none	1/4-40 NS
6.1 mm	.2401	15/64	7-1.00 mm
F	.2570	17/64	5/16-18 NC
6.9 mm	.2716	17/64	8-1.25 mm
I	.2720	none	5/16-24 NF
7.1 mm	.2795	none	8-1.00 mm
9/32	.2812	9/32	5/16-32 NEF
7.9 mm	.3110	none	9-1.25 mm
O	.3160	5/16	3/8-16 NC
8.1 mm	.3189	none	9-1.00 mm
8.3 mm	.3268	none	9-0.75 mm
8.5 mm	.3346	21/64	3/8-24 NF
8.7 mm	.3425	none	10-1.50 mm
8.9	.3503	11/32	10-1.25 mm

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Drill Size	Decimal Equivalent	Nearest Fraction	
9.1 mm	.3583	none	10-1.00 mm
U	.3680	23/64	7/16-14 NC
9.7	.3818	none	11-1.50 mm
25/64	.3906	25/64	7/16-20 NF
10.5	.4133	none	12-1.75 mm
10.7 mm	.4212	27/64	12-1.50 mm
27/64	.4219	27/64	1/2-13 NC
10.9 mm	.4219	27/64	12-1.25 mm
29/64	.4531	29/64	1/2-20 NF
12.2 mm	.4803	29/64	1/2-24 NS
31/64	.4844	31/64	14-2.00 mm
31/64	.4844	31/64	9/16-12 NC
12.8 mm	.5039	none	14-1.50 mm
33/64	.5156	33/64	9/16-18 NF
17/32	.5312	17/32	5/8-11 NC
14.2 mm	.5590	35/64	16-2.00 mm
37/64	.5781	37/64	5/8-18 NF
14.7 mm	.5787	none	16-1.50 mm
19/32	.5938	19/32	11/16-11 NS
15.8 mm	.6220	39/64	18-2.50 mm
5/8	.6250	5/8	11/16-16 NS
21/32	.6562	21/32	3/4-10 NC
16.8 mm	.6614	none	18-1.50 mm
17.5 mm	.6890	11/16	3/4-16 NF
17.8 mm	.7008	11/16	20-2.50 mm
49/64	.7656	49/64	7/8-9 NC
13/16	.8125	13/16	7/8-14 NF
20.9 mm	.8228	none	22-1.50 mm
53/64	.8281	53/64	7/8-18 NS
21.4 mm	.8425	53/64	24-3.00 mm
7/8	.8750	7/8	1-8 NC
22.3 mm	.8779	none	24-2.00 mm
59/64	.9219	59/64	1-12 NF
15/16	.9375	15/16	1-14 NS
63/64	.9844	63/64	1-1/8-7 NC
1-3/64	1.0469	1-3/64	1-1/8-12 NF
1-7/64	1.1094	1-7/64	1-1/4-7 NC
1-11/64	1.1719	1-11/64	1-1/4-12 NF
1-7/32	1.2188	1-7/32	1-3/8-6 NC
1-19/64	1.2969	1-19/64	1-3/8-12 NF
1-11/32	1.3438	1-11/32	1-1/2-6 NC
1-27/64	1.4219	1-27/64	1-1/2-12 NF

National Pipe Tapered Taps			
Drill Size	Decimal Equivalent	Nearest Fraction	To Tap For This Size Bolt or Screw
R	.3390	none	1/8-27 NPT
7/16	.4375	7/16	1/4-18 NPT
15 mm	.5906	37/64	3/8-18 NPT
45/64	.7031	45/64	1/2-14 NPT
59/64	.9219	59/64	3/4-14 NPT
1-5/32	1.1562	1-5/32	1-11-1/2 NPT
1-1/2	1.5000	1-1/2	1-1/4-11-1/2 NPT
1-47/64	1.7344	1-47/64	1-1/2-11-1/2 NPT
2-7/32	2.2188	2-7/32	2-11-1/2 NPT