



TAP AND DRILL CONVERSION CHART

Bolt size to Tap	Drill this size hole		Bolt size to Tap	Drill this size hole	
	Decimal inches	Drill size		Decimal inches	Drill size
0-80 NF	0.0469	3/64	9mm-0.75mm	0.3281	21/64"
1-64 NC	0.5950	No. 53	3/8-24 NF	0.3320	Q
1-72 NF	0.5950	No. 53	10mm-1.50mm	0.3390	R
2-56 NC	0.0700	No. 50	10mm-1.25mm	0.3480	S
2-64 NF	0.0700	No. 50	10mm-1.00mm	0.3594	23/64"
3-48 NC	0.0785	No. 47	7/16-14 NC	0.3680	U
3-56 NF	0.0820	No. 45	11mm-1.50mm	0.3750	3/8"
4-36 NS	0.0860	No. 44	7/16-20 NF	0.3906	25/64"
4-40 NC	0.0890	No. 43	12mm-1.75mm	0.4062	13/32"
4-48 NF	0.0935	No. 42	12mm-1.50mm	0.4130	Z
3mm-0.50mm	0.0995	No. 39	1/2-13 NC	0.4219	27/64"
1/8-40 NS	0.1015	No. 38	12mm-1.25mm	0.4219	27/64"
5-40 NC	0.1015	No. 38	1/2-20 NF	0.4531	29/64
5-44 NF	0.1040	No. 37	1/2-24 NS	0.4531	29/65
6-32 NC	0.1065	No. 36	14mm-2.00mm	0.4724	12mm
6-36 NS	0.1110	No. 34	9/16-12 NC	0.4844	31/64"
6-40 NF	0.1130	No. 33	14mm-1.50mm	0.5000	1/2"
6-48 NS	0.1200	No. 31	14mm-1.25mm	0.5000	1/2"
4mm-0.70mm	0.1285	No. 30	9/16-18 NF	0.5156	33/64"
4mm-0.75mm	0.1285	No. 30	5/8-11 NC	0.5312	17/32"
8-32 NC	0.1360	No. 29	16mm-2.00mm	0.5625	9/16"
8-36 NF	0.1360	No. 29	5/8-18NF	0.5781	37/64"
8-40 NS	0.1405	No. 28	16mm-1.50mm	0.5781	37/64"
3/16-24 NS	0.1470	No. 26	11/16-11 NS	0.5938	19/32"
10-24 NC	0.1495	No. 25	18mm-2.50mm	0.6250	5/8"
3/16-32 NS	0.1570	No. 22	11/16-16 NS	0.6250	5/8"
10-32 NF	0.1590	No. 21	3/4-10 NC	0.6562	21/32"
5mm-0.90mm	0.1610	No. 20	18mm-1.50	0.6562	21/32"
5mm-0.80mm	0.1660	No. 19	3/4-16 NF	0.6875	11/16"
12-24 NC	0.1770	No. 16	20mm-2.50mm	0.7031	45/64"
12-28 NF	0.1820	No. 14	7/8-9 NC	0.7656	49/64"
12-32 NEF	0.1850	No. 13	7/8-14 NF	0.8125	13/16"
14-20 NS	0.1935	No. 10	22mm-1.5	0.8125	13/16"
1/4-20 NC	0.2010	No. 7	7/8-18 NS	0.8281	53/64
14-24 NS	0.2010	No. 7	24mm-3.00	0.8438	27/32"
6mm-1.00mm	0.1960	No. 9	1-8 NC	0.8750	7/8"
1/4-20 NS	0.2090	No. 4	24mm-2.00mm	0.8750	7/8"
1/4-28 NF	0.2130	No. 3	1-12 NF	0.9219	59/64"
1/4-32 NEF	0.2188	7/32"	1-14 NS	0.9375	15/16"
1/4-40 NS	0.2280	No. 1	Tap - Drill Sizes for Pipe Taps		
7mm-1.00mm	0.2380	B	1/8-27 NPT	0.3390	R
5/16-18 NC	0.2570	F	1/4-18 NPT	0.4375	7/16"
8mm-1.25mm	0.2660	H	3/8-18 NPT	0.5781	37/64"
5/16-24 NF	0.2720	I	1/2-14 NPT	0.7031	45/64"
8mm-1.00mm	0.2770	J	3/4-14 NPT	0.9219	59/64"
5/16-32 NEF	0.2812	9/32"	1-11-1/2 NPT	1.1562	1-5/32"
9mm-1.25mm	0.3125	5/16"	1-1/4-11-1/2NPT	1.5000	1-1/2"
3/8-16 NC	0.3125	5/16"	1-1/2-11-1/2NPT	1.7344	1-47/64"
9mm-1.00mm	0.3160	O	2-11-1/2 NPT	2.2188	2-7/32"