

Machine Screw Sizes

Thread Series Coarse/Fine	Bits Size	% Of Thread
0 - 80 NF	3/64"	80
1 - 64 NC	1.50 mm	69
1 - 72 NF		77
1 - 64 NC	No. 53	67
1 - 72 NF		75
2 - 56 NC	No. 51	82
2 - 56 NC	No. 50	69
2 - 64 NF		79
3 - 48 NC	5/64"	77
3 - 56 NF	No. 46	78
3 - 56 NF	No. 45	73
4 - 36 NS	No. 44	72
4 - 40 NC	No. 43	71
4 - 48 NF	3/32"	67
5 - 40 NC	No. 39	79
5 - 40 NC	No. 38	72
5 - 44 NF	No. 37	71
6 - 32 NC	No. 36	78
6 - 36 NF	No. 34	75
6 - 40 NF	No. 33	77
6 - 48 NS	No. 32	81
6 - 48 NS	3.00 mm	74
8 - 32 NC	No. 29	69
8 - 36 NF		78
8 - 40 NS	9/64"	72
10 - 24 NC	No. 25	75
10 - 32 NF	No. 21	76
12 - 24 NC	11/64"	82
12 - 24 NC	No. 17	79
12 - 24 NC	No. 16	72
12 - 28 NF	No. 14	73
12 - 32 NEF	No. 13	76

SAE-Imperial-Inch Sizes

Thread Series Coarse/Fine	Bits Size	% Of Thread
1/8" - 40 NS	No. 39	79
1/8" - 40 NS	No. 38	72
3/16" - 24 NS	No. 26	75
3/16" - 32 NS	5/32"	77
1/4" - 20 NC	No. 7	75
1/4" - 20 NC	13/64"	72
1/4" - 24 NS	No. 4	76
1/4" - 28 NF	No. 3	80
1/4" - 28 NF	5.50 mm	72
1/4" - 32 NEF	7/32"	77
1/4" - 40 NS	No. 1	68
5/16" - 18 NC	6.50 mm	78
5/16" - 18 NC	"F"	77
5/16" - 24 NF	"I"	75
5/16" - 24 NF	7.00 mm	68
5/16" - 32 NEF	9/32"	77
3/8" - 16 NC	5/16"	77
3/8" - 16 NC	8.00 mm	74
3/8" - 24 NF	21/64"	87
3/8" - 24 NF	"Q"	79
7/16" - 14 NC	23/64"	84
7/16" - 14 NC	"U"	75
7/16" - 14 NC	9.50 mm	68
7/16" - 14 NC	3/8"	67
7/16" - 20 NF	25/64"	72
7/16" - 20 NF	10.00 mm	67
1/2" - 13 NC	27/64"	78
1/2" - 13 NC	11.00 mm	67
1/2" - 20 NF	11.50 mm	73
1/2" - 20 NF	29/64"	72
1/2" - 24 NS		87
9/16" - 12 NC	12.00 mm	83
9/16" - 12 NC	31/64"	72
9/16" - 18 NF	13.00 mm	70
9/16" - 18 NF	33/64"	65
5/8" - 11 NC	17/32"	79
5/8" - 18 NF	9/16"	87
5/8" - 18 NF	7/64"	65
11/16" - 11 NS	19/32"	79
11/16" - 16 NS	5/8"	77
3/4" - 10 NC	21/32"	72
3/4" - 16 NF	11/16"	77
7/8" - 9 NC	49/64"	76
7/8" - 14 NF	51/64"	84
7/8" - 14 NF	13/16"	67
1" - 8 NC	7/8"	77
1" - 12 NF	59/64"	72
1" - 14 NS		84
1" - 14 NS	15/16"	67
1 1/8" - 7 NC	63/64"	76

Decimal Equivalents For Letter, Number & Fractional Drill Sizes

Drill Bit Size	Decimal Eq. (in.)	Drill Bit Size	Decimal Eq. (in.)
1/64"	.0156	"G"	.2610
1/32"	.0312	17/64"	.2656
1.0mm	.0394	"H"	.2660
No. 60	.0400	"I"	.2720
No. 59	.0410	7.0mm	.2756
No. 58	.0420	"J"	.2770
No. 57	.0430	"K"	.2810
No. 56	.0465	9/32"	.2812
3/64"	.0469	"L"	.2900
No. 55	.0520	"M"	.2950
No. 54	.0550	7.5mm	.2953
1.5mm	.0591	19/64"	.2969
No. 53	.0595	"N"	.3020
1/16"	.0625	5/16"	.3125
No. 52	.0635	8.0mm	.3150
No. 51	.0670	"O"	.3160
No. 50	.0700	"P"	.3230
No. 49	.0730	21/64"	.3281
No. 48	.0760	"Q"	.3320
5/64"	.0781	8.5mm	.3346
No. 47	.0785	"R"	.3390
2.0mm	.0787	11/32"	.3438
No. 46	.0810	"S"	.3480
No. 45	.0820	9.0mm	.3543
No. 44	.0860	"T"	.3580
No. 43	.0890	23/64"	.3594
No. 42	.0935	"U"	.3680
3/32"	.0938	9.5mm	.3740
No. 41	.0960	3/8"	.3750
No. 40	.0980	"V"	.3770
2.5mm	.0984	"W"	.3860
No. 39	.0995	25/64"	.3906
No. 38	.1015	10.0mm	.3937
No. 37	.1040	"X"	.3970
No. 36	.1065	"Y"	.4040
7/64"	.1094	13/32"	.4062
No. 35	.1100	"Z"	.4130
No. 34	.1110	10.5mm	.4134
No. 33	.1130	27/64"	.4219
No. 32	.1160	11.0mm	.4331
3.0mm	.1181	7/16"	.4375
No. 31	.1200	11.5mm	.4528
1/8"	.1250	29/64"	.4531
No. 30	.1285	15/32"	.4688
No. 29	.1360	12.0mm	.4724
3.5mm	.1378	31/64"	.4844
No. 28	.1405	12.5mm	.4921
9/64"	.1406	1/2"	.5000
No. 27	.1440	13.0mm	.5118
No. 26	.1470	33/64"	.5156
No. 25	.1495	17/32"	.5313
No. 24	.1520	35/64"	.5469
No. 23	.1540	9/16"	.5625
5/32"	.1562	37/64"	.5781
No. 22	.1570	19/32"	.5938
4.0mm	.1575	39/64"	.6094
No. 21	.1590	5/8"	.6250
No. 20	.1600	41/64"	.6406
No. 19	.1660	21/32"	.6562
No. 18	.1695	43/64"	.6719
11/64"	.1719	11/16"	.6875
No. 17	.1730	45/64"	.7031
No. 16	.1770	23/32"	.7188
4.5mm	.1772	47/64"	.7344
No. 15	.1800	3/4"	.7500
No. 14	.1820	49/64"	.7656
No. 13	.1850	25/32"	.7812
3/16"	.1875	51/64"	.7969
No. 12	.1890	13/16"	.8125
No. 11	.1910	53/64"	.8281
No. 10	.1935	27/32"	.8438
No. 9	.1960	55/64"	.8594
5.0mm	.1969	7/8"	.8750
No. 8	.1990	57/64"	.8906
No. 7	.2010	29/32"	.9062
13/64"	.2031	59/64"	.9219
No. 6	.2040	15/16"	.9375
No. 5	.2055	61/64"	.9531
No. 4	.2090	31/32"	.9688
No. 3	.2130	63/64"	.9844
5.5mm	.2165	1"	1.0000
7/32"	.2188	1-1/64"	1.0156
No. 2	.2210	1-1/32"	1.0312
No. 1	.2280	1-1/16"	1.0625
"A"	.2340	1-3/32"	1.0938
15/64"	.2344	1-1/8"	1.1250
6.0mm	.2362	1-5/32"	1.1562
"B"	.2380	1-3/16"	1.1875
"C"	.2420	1-1/4"	1.2500
"D"	.2460	1-5/16"	1.3125
"E"	.2500	1-3/8"	1.3750
1/4"	.2500	1-7/16"	1.4375
6.5mm	.2559	1-1/2"	1.5000
"F"	.2570		

Pipe Tap Drill Sizes

Thread Series NPT & BSP	Bits Size
1/8" - 27 NPT	"Q"
1/8" - 28 BSP	
1/4" - 18 NPT	7/16"
1/4" - 19 BSP	
3/8" - 18 NPT	37/64"
1/2" - 14 NPT	23/32"
3/4" - 14 NPT	59/64"
1" - 11-1/2 NPT	1-5/32"
1 1/4" - 11-1/2 NPT	1-1/2"

Metric Bolt Sizes

Thread Series Coarse/Fine	Bits Size	% Of Thread	Thread Series Coarse/Fine	Bits Size	% Of Thread
M3 X 0.60	No. 41	72	M11 X 1.50	9.50mm	77
M3 X 0.50	2.50 mm	77	M11 X 1.50	3/8"	76
M3 X 0.50	No. 39	73	M12 X 1.75	13/32"	74
M4 X 0.70	No. 30	81	M12 X 1.50	"2"	78
M4 X 0.75	76		M12 X 1.50	10.50mm	77
M5 X 0.90	No. 20	80	M12 X 1.25	27/64"	79
M5 X 0.80	No. 19	75	M12 X 1.25	11.00mm	62
M6 X 1.00	5.00mm	77	M14 X 2.00	15/32"	80
M6 X 1.00	No. 8	73	M14 X 2.00	12.00mm	77
M6.3 X 1.00	No. 4	76	M14 X 2.00	31/64"	65
M7 X 1.00	15/64"	80	M14 X 1.50	12.50mm	77
M7 X 1.00	6.00mm	77	M14 X 1.25	1/2"	80
M8 X 1.25	17/64"	77	M14 X 1.50		67
M8 X 1.00	7.00mm	77	M14 X 1.25	13.00mm	62
M8 X 1.00	"J"	74	M16 X 2.00	35/64"	81
M9 X 1.25	"N"	82	M16 X 2.00	9/16"	66
M9 X 1.25	5/16"	65	M16 X 1.50	37/64"	68
M9 X 1.00	8.00mm	77	M16 X 1.00	19/32"	71
M9 X 1.00	"O"	75	M18 X 2.50	39/64"	78
M9 X 0.75	"P"	82	M18 X 1.50	21/32"	68
M9 X 0.75	21/64"	68	M20 X 2.50	11/16"	78
M10 X 1.50	8.50mm	77	M20 X 2.50	45/64"	66
M10 X 1.50	"R"	71	M22 X 1.50	13/16"	70
M10 X 1.25	11/32"	78	M24 X 3.00	53/64"	76
M10 X 1.25	"S"	71	M24 X 3.00	27/32"	66
M10 X 1.00	9.00mm	77	M24 X 2.00	7/8"	68
M10 X 1.00	"T"	70			

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