Drill Size Chart

Number, letter, fractional and metric drills in decimal inches and millimetres. 1 in = 25.4 mm exactly.

Number Drill Size

DRILL	INCH	MM	NEAREST FRACTION
#1	0.2280	5.79	15/64"
#2	0.2210	5.61	7/32"
#3	0.2130	5.41	7/32"
#4	0.2090	5.31	13/64"
#5	0.2055	5.22	13/64"
#6	0.2040	5.18	13/64"
#7	0.2010	5.11	13/64"
#8	0.1990	5.05	13/64"
#9	0.1960	4.98	13/64"
#10	0.1935	4.91	3/16"
#11	0.1910	4.85	3/16"
#12	0.1890	4.80	3/16"
#13	0.1850	4.70	3/16"
#14	0.1820	4.62	3/16"
#15	0.1800	4.57	3/16"
#16	0.1770	4.50	11/64"
#17	0.1730	4.39	11/64"
#18	0.1695	4.31	11/64"
#19	0.1660	4.22	11/64"
#20	0.1610	4.09	5/32"
#21	0.1590	4.04	5/32"
#22	0.1570	3.99	5/32"
#23	0.1540	3.91	5/32"
#24	0.1520	3.86	5/32"
#25	0.1495	3.80	5/32"
#26	0.1470	3.73	9/64"
#27	0.1440	3.66	9/64"
#28	0.1405	3.57	9/64"
#29	0.1360	3.45	9/64"
#30	0.1285	3.26	1/8"
#31	0.1200	3.05	1/8"
#32	0.1160	2.95	7/64"
#33	0.1130	2.87	7/64"
#34	0.1110	2.82	7/64"

Number Drill Size (cont.)

DRILL	INCH	MM	NEAREST FRACTION
#35	0.1100	2.79	7/64"
#36	0.1065	2.71	7/64"
#37	0.1040	2.64	7/64"
#38	0.1015	2.58	3/32"
#39	0.0995	2.53	3/32"
#40	0.0980	2.49	3/32"
#41	0.0960	2.44	3/32"
#42	0.0935	2.37	3/32"
#43	0.0890	2.26	3/32"
#44	0.0860	2.18	3/32"
#45	0.0820	2.08	5/64"
#46	0.0810	2.06	5/64"
#47	0.0785	1.99	5/64"
#48	0.0760	1.93	5/64"
#49	0.0730	1.85	5/64"
#50	0.0700	1.78	1/16"
#51	0.0670	1.70	1/16"
#52	0.0635	1.61	1/16"
#53	0.0595	1.51	1/16"
#54	0.0550	1.40	1/16"
#55	0.0520	1.32	3/64"
#56	0.0465	1.18	3/64"
#57	0.0430	1.09	3/64"
#58	0.0420	1.07	3/64"
#59	0.0410	1.04	3/64"
#60	0.0400	1.02	3/64"
#61	0.0390	0.99	1/32"
#62	0.0380	0.97	1/32"
#63	0.0370	0.94	1/32"
#64	0.0360	0.91	1/32"
#65	0.0350	0.89	1/32"
#66	0.0330	0.84	1/32"
#67	0.0320	0.81	1/32"
#68	0.0310	0.79	1/32"

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Number and letter drill diameters per ASME B94.11M; 1 in = 25.4 mm exactly. Method: whatsizeis.com/how-we-calculate/

Drill Size Chart (continued)

Number Drill Size (cont.)

DRILL	INCH	MM	NEAREST FRACTION
#69	0.0292	0.74	1/32"
#70	0.0280	0.71	1/32"
#71	0.0260	0.66	1/32"
#72	0.0250	0.64	1/32"
#73	0.0240	0.61	1/32"
#74	0.0225	0.57	1/64"
#75	0.0210	0.53	1/64"
#76	0.0200	0.51	1/64"
#77	0.0180	0.46	1/64"
#78	0.0160	0.41	1/64"
#79	0.0145	0.37	1/64"
#80	0.0135	0.34	1/64"

Letter Drill Size

DRILL	INCH	MM	NEAREST FRACTION
A	0.2340	5.94	15/64"
B	0.2380	6.05	15/64"
C	0.2420	6.15	15/64"
D	0.2460	6.25	1/4"
E	0.2500	6.35	1/4"
F	0.2570	6.53	1/4"
G	0.2610	6.63	17/64"
H	0.2660	6.76	17/64"
I	0.2720	6.91	17/64"
J	0.2770	7.04	9/32"
K	0.2810	7.14	9/32"
L	0.2900	7.37	19/64"
M	0.2950	7.49	19/64"
N	0.3020	7.67	19/64"
O	0.3160	8.03	5/16"
P	0.3230	8.20	21/64"
Q	0.3320	8.43	21/64"
R	0.3390	8.61	11/32"
S	0.3480	8.84	11/32"
T	0.3580	9.09	23/64"

Letter Drill Size (cont.)

DRILL	INCH	MM	NEAREST FRACTION
U	0.3680	9.35	3/8"
V	0.3770	9.58	3/8"
W	0.3860	9.80	25/64"
X	0.3970	10.08	25/64"
Y	0.4040	10.26	13/32"
Z	0.4130	10.49	13/32"

Fractional Drill Size

DRILL	INCH	MM	NEAREST METRIC
1/64"	0.0156	0.40	0.4 mm
1/32"	0.0313	0.79	0.8 mm
3/64"	0.0469	1.19	1.2 mm
1/16"	0.0625	1.59	1.6 mm
5/64"	0.0781	1.98	2 mm
3/32"	0.0938	2.38	2.4 mm
7/64"	0.1094	2.78	2.8 mm
1/8"	0.1250	3.18	3.2 mm
9/64"	0.1406	3.57	3.6 mm
5/32"	0.1563	3.97	4 mm
11/64"	0.1719	4.37	4.4 mm
3/16"	0.1875	4.76	4.8 mm
13/64"	0.2031	5.16	5.2 mm
7/32"	0.2188	5.56	5.6 mm
15/64"	0.2344	5.95	6 mm
1/4"	0.2500	6.35	6.3 mm
17/64"	0.2656	6.75	6.7 mm
9/32"	0.2813	7.14	7.1 mm
19/64"	0.2969	7.54	7.5 mm
5/16"	0.3125	7.94	7.9 mm
21/64"	0.3281	8.33	8.3 mm
11/32"	0.3438	8.73	8.7 mm
23/64"	0.3594	9.13	9.1 mm
3/8"	0.3750	9.53	9.5 mm
25/64"	0.3906	9.92	9.9 mm
13/32"	0.4063	10.32	10.3 mm

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Drill Size Chart (continued)

Fractional Drill Size (cont.)

DRILL	INCH	MM	NEAREST METRIC
27/64"	0.4219	10.72	10.7 mm
7/16"	0.4375	11.11	11.1 mm
29/64"	0.4531	11.51	11.5 mm
15/32"	0.4688	11.91	11.9 mm
31/64"	0.4844	12.30	12.3 mm
1/2"	0.5000	12.70	12.7 mm
33/64"	0.5156	13.10	13.1 mm
17/32"	0.5313	13.49	13.5 mm
35/64"	0.5469	13.89	13.9 mm
9/16"	0.5625	14.29	14.5 mm
37/64"	0.5781	14.68	14.5 mm
19/32"	0.5938	15.08	15 mm
39/64"	0.6094	15.48	15.5 mm
5/8"	0.6250	15.88	16 mm
41/64"	0.6406	16.27	16.5 mm
21/32"	0.6563	16.67	16.5 mm
43/64"	0.6719	17.07	17 mm
11/16"	0.6875	17.46	17.5 mm
45/64"	0.7031	17.86	18 mm
23/32"	0.7188	18.26	18.5 mm
47/64"	0.7344	18.65	18.5 mm
3/4"	0.7500	19.05	19 mm
49/64"	0.7656	19.45	19.5 mm
25/32"	0.7813	19.84	20 mm
51/64"	0.7969	20.24	20 mm
13/16"	0.8125	20.64	20.5 mm
53/64"	0.8281	21.03	21 mm
27/32"	0.8438	21.43	21.5 mm
55/64"	0.8594	21.83	22 mm
7/8"	0.8750	22.23	22 mm
57/64"	0.8906	22.62	22.5 mm
29/32"	0.9063	23.02	23 mm
59/64"	0.9219	23.42	23.5 mm
15/16"	0.9375	23.81	24 mm
61/64"	0.9531	24.21	24 mm

Fractional Drill Size (cont.)

DRILL	INCH	MM	NEAREST METRIC
31/32"	0.9688	24.61	24.5 mm
63/64"	0.9844	25.00	25 mm
1"	1.0000	25.40	25.5 mm

Metric Drill Size

DRILL	INCH	MM	NEAREST FRACTION
0.75 mm	0.0295	0.75	1/32"
0.95 mm	0.0374	0.95	1/32"
1 mm	0.0394	1.00	3/64"
1.1 mm	0.0433	1.10	3/64"
1.25 mm	0.0492	1.25	3/64"
1.5 mm	0.0591	1.50	1/16"
1.6 mm	0.0630	1.60	1/16"
2 mm	0.0787	2.00	5/64"
2.05 mm	0.0807	2.05	5/64"
2.5 mm	0.0984	2.50	3/32"
2.9 mm	0.1142	2.90	7/64"
3 mm	0.1181	3.00	1/8"
3.3 mm	0.1299	3.30	1/8"
3.5 mm	0.1378	3.50	9/64"
4 mm	0.1575	4.00	5/32"
4.2 mm	0.1654	4.20	11/64"
4.5 mm	0.1772	4.50	11/64"
5 mm	0.1969	5.00	13/64"
5.5 mm	0.2165	5.50	7/32"
6 mm	0.2362	6.00	15/64"
6.5 mm	0.2559	6.50	1/4"
6.8 mm	0.2677	6.80	17/64"
7 mm	0.2756	7.00	9/32"
7.5 mm	0.2953	7.50	19/64"
8 mm	0.3150	8.00	5/16"
8.5 mm	0.3346	8.50	21/64"
8.8 mm	0.3465	8.80	11/32"
9 mm	0.3543	9.00	23/64"
9.5 mm	0.3740	9.50	3/8"

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Drill Size Chart (continued)

Metric Drill Size (cont.)

DRILL	INCH	MM	NEAREST FRACTION
10 mm	0.3937	10.00	25/64"
10.2 mm	0.4016	10.20	13/32"
10.5 mm	0.4134	10.50	13/32"
10.8 mm	0.4252	10.80	27/64"
11 mm	0.4331	11.00	7/16"
11.5 mm	0.4528	11.50	29/64"
12 mm	0.4724	12.00	15/32"
12.5 mm	0.4921	12.50	31/64"
13 mm	0.5118	13.00	33/64"
14 mm	0.5512	14.00	35/64"
14.5 mm	0.5709	14.50	37/64"
15 mm	0.5906	15.00	19/32"
15.5 mm	0.6102	15.50	39/64"
16 mm	0.6299	16.00	5/8"
16.5 mm	0.6496	16.50	21/32"
17 mm	0.6693	17.00	43/64"
17.5 mm	0.6890	17.50	11/16"
18 mm	0.7087	18.00	45/64"
18.5 mm	0.7283	18.50	47/64"
19 mm	0.7480	19.00	3/4"
19.5 mm	0.7677	19.50	49/64"
20 mm	0.7874	20.00	25/32"
20.5 mm	0.8071	20.50	13/16"
21 mm	0.8268	21.00	53/64"
22 mm	0.8661	22.00	55/64"
22.5 mm	0.8858	22.50	57/64"
23 mm	0.9055	23.00	29/32"
24 mm	0.9449	24.00	15/16"
25 mm	0.9843	25.00	63/64"
25.5 mm	1.0039	25.50	1"
26.5 mm	1.0433	26.50	1-3/64"
28 mm	1.1024	28.00	1-7/64"
28.5 mm	1.1220	28.50	1-1/8"
29 mm	1.1417	29.00	1-9/64"
29.5 mm	1.1614	29.50	1-5/32"

Metric Drill Size (cont.)

DRILL	INCH	MM	NEAREST FRACTION
31 mm	1.2205	31.00	1-7/32"
32 mm	1.2598	32.00	1-17/64"
34.5 mm	1.3583	34.50	1-23/64"
35 mm	1.3780	35.00	1-3/8"
37.5 mm	1.4764	37.50	1-15/32"
40.5 mm	1.5945	40.50	1-19/32"
43 mm	1.6929	43.00	1-11/16"

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