ACE Hardware Zimbabwe

Drill Size Chart

Number, letter, fractional and metric drills in one list, with inch and millimetre equivalents.

Workshop Reference Charts
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Every drill size in one list, smallest to largest

Number, letter, fractional and metric drills are merged into a single list sorted by diameter, so the nearest alternative to any size is the row above or below it.

Size	Type	Inch	mm
#80	Number	0.0135	0.34
#79	Number	0.0145	0.37
1/64"	Fraction	0.0156	0.40
#78	Number	0.0160	0.41
#77	Number	0.0180	0.46
0.5 mm	Metric	0.0197	0.50
#76	Number	0.0200	0.51
#75	Number	0.0210	0.53
#74	Number	0.0225	0.57
0.6 mm	Metric	0.0236	0.60
#73	Number	0.0240	0.61
#72	Number	0.0250	0.64
#71	Number	0.0260	0.66
0.7 mm	Metric	0.0276	0.70
#70	Number	0.0280	0.71
#69	Number	0.0292	0.74
#68	Number	0.0310	0.79
1/32"	Fraction	0.0312	0.79
0.8 mm	Metric	0.0315	0.80
#67	Number	0.0320	0.81
#66	Number	0.0330	0.84
#65	Number	0.0350	0.89
0.9 mm	Metric	0.0354	0.90
#64	Number	0.0360	0.91
#63	Number	0.0370	0.94
#62	Number	0.0380	0.97
#61	Number	0.0390	0.99
1 mm	Metric	0.0394	1.00
#60	Number	0.0400	1.02
#59	Number	0.0410	1.04
#58	Number	0.0420	1.07
#57	Number	0.0430	1.09
1.1 mm	Metric	0.0433	1.10
#56	Number	0.0465	1.18
3/64"	Fraction	0.0469	1.19
#33	Number	0.1130	2.87
2.9 mm	Metric	0.1142	2.90
#32	Number	0.1160	2.95
3 mm	Metric	0.1181	3.00
#31	Number	0.1200	3.05
1/8"	Fraction	0.1250	3.17
#30	Number	0.1285	3.26
3.3 mm	Metric	0.1299	3.30
#29	Number	0.1360	3.45
3.5 mm	Metric	0.1378	3.50
#28	Number	0.1405	3.57
9/64"	Fraction	0.1406	3.57
#27	Number	0.1440	3.66
#26	Number	0.1470	3.73
#25	Number	0.1495	3.80
#24	Number	0.1520	3.86
#23	Number	0.1540	3.91
5/32"	Fraction	0.1562	3.97
#22	Number	0.1570	3.99
4 mm	Metric	0.1575	4.00
#21	Number	0.1590	4.04
#20	Number	0.1610	4.09
4.2 mm	Metric	0.1654	4.20
#19	Number	0.1660	4.22
#18	Number	0.1695	4.31
11/64"	Fraction	0.1719	4.37
#17	Number	0.1730	4.39
#16	Number	0.1770	4.50
4.5 mm	Metric	0.1772	4.50
#15	Number	0.1800	4.57
#14	Number	0.1820	4.62
#13	Number	0.1850	4.70
3/16"	Fraction	0.1875	4.76
#12	Number	0.1890	4.80
#11	Number	0.1910	4.85
Q	Letter	0.3320	8.43
8.5 mm	Metric	0.3346	8.50
R	Letter	0.3390	8.61
11/32"	Fraction	0.3438	8.73
S	Letter	0.3480	8.84
9 mm	Metric	0.3543	9.00
T	Letter	0.3580	9.09
23/64"	Fraction	0.3594	9.13
U	Letter	0.3680	9.35
9.5 mm	Metric	0.3740	9.50
3/8"	Fraction	0.3750	9.52
V	Letter	0.3770	9.58
W	Letter	0.3860	9.80
25/64"	Fraction	0.3906	9.92
10 mm	Metric	0.3937	10.00
X	Letter	0.3970	10.08
10.2 mm	Metric	0.4016	10.20
Y	Letter	0.4040	10.26
13/32"	Fraction	0.4062	10.32
Z	Letter	0.4130	10.49
10.5 mm	Metric	0.4134	10.50
27/64"	Fraction	0.4219	10.72
11 mm	Metric	0.4331	11.00
7/16"	Fraction	0.4375	11.11
11.5 mm	Metric	0.4528	11.50
29/64"	Fraction	0.4531	11.51
15/32"	Fraction	0.4688	11.91
12 mm	Metric	0.4724	12.00
31/64"	Fraction	0.4844	12.30
12.5 mm	Metric	0.4921	12.50
1/2"	Fraction	0.5000	12.70
13 mm	Metric	0.5118	13.00
33/64"	Fraction	0.5156	13.10
17/32"	Fraction	0.5312	13.49
35/64"	Fraction	0.5469	13.89

Size	Type	Inch	mm
1.2 mm	Metric	0.0472	1.20
1.3 mm	Metric	0.0512	1.30
#55	Number	0.0520	1.32
#54	Number	0.0550	1.40
1.4 mm	Metric	0.0551	1.40
1.5 mm	Metric	0.0591	1.50
#53	Number	0.0595	1.51
1/16"	Fraction	0.0625	1.59
1.6 mm	Metric	0.0630	1.60
#52	Number	0.0635	1.61
1.7 mm	Metric	0.0669	1.70
#51	Number	0.0670	1.70
#50	Number	0.0700	1.78
1.8 mm	Metric	0.0709	1.80
#49	Number	0.0730	1.85
1.9 mm	Metric	0.0748	1.90
#48	Number	0.0760	1.93
5/64"	Fraction	0.0781	1.98
#47	Number	0.0785	1.99
2 mm	Metric	0.0787	2.00
#46	Number	0.0810	2.06
#45	Number	0.0820	2.08
2.1 mm	Metric	0.0827	2.10
#44	Number	0.0860	2.18
2.2 mm	Metric	0.0866	2.20
#43	Number	0.0890	2.26
2.3 mm	Metric	0.0906	2.30
#42	Number	0.0935	2.37
3/32"	Fraction	0.0938	2.38
2.4 mm	Metric	0.0945	2.40
#41	Number	0.0960	2.44
#40	Number	0.0980	2.49
2.5 mm	Metric	0.0984	2.50
#39	Number	0.0995	2.53
#38	Number	0.1015	2.58
2.6 mm	Metric	0.1024	2.60
#37	Number	0.1040	2.64
2.7 mm	Metric	0.1063	2.70
#36	Number	0.1065	2.71
7/64"	Fraction	0.1094	2.78
#35	Number	0.1100	2.79
2.8 mm	Metric	0.1102	2.80
#34	Number	0.1110	2.82
#10	Number	0.1935	4.91
#9	Number	0.1960	4.98
5 mm	Metric	0.1969	5.00
#8	Number	0.1990	5.05
#7	Number	0.2010	5.11
13/64"	Fraction	0.2031	5.16
#6	Number	0.2040	5.18
#5	Number	0.2055	5.22
#4	Number	0.2090	5.31
#3	Number	0.2130	5.41
5.5 mm	Metric	0.2165	5.50
7/32"	Fraction	0.2188	5.56
#2	Number	0.2210	5.61
#1	Number	0.2280	5.79
A	Letter	0.2340	5.94
15/64"	Fraction	0.2344	5.95
6 mm	Metric	0.2362	6.00
B	Letter	0.2380	6.05
C	Letter	0.2420	6.15
D	Letter	0.2460	6.25
1/4"	Fraction	0.2500	6.35
E	Letter	0.2500	6.35
6.5 mm	Metric	0.2559	6.50
F	Letter	0.2570	6.53
G	Letter	0.2610	6.63
17/64"	Fraction	0.2656	6.75
H	Letter	0.2660	6.76
6.8 mm	Metric	0.2677	6.80
I	Letter	0.2720	6.91
7 mm	Metric	0.2756	7.00
J	Letter	0.2770	7.04
K	Letter	0.2810	7.14
9/32"	Fraction	0.2812	7.14
L	Letter	0.2900	7.37
M	Letter	0.2950	7.49
7.5 mm	Metric	0.2953	7.50
19/64"	Fraction	0.2969	7.54
N	Letter	0.3020	7.67
5/16"	Fraction	0.3125	7.94
8 mm	Metric	0.3150	8.00
O	Letter	0.3160	8.03
P	Letter	0.3230	8.20
21/64"	Fraction	0.3281	8.33
14 mm	Metric	0.5512	14.00
9/16"	Fraction	0.5625	14.29
37/64"	Fraction	0.5781	14.68
15 mm	Metric	0.5906	15.00
19/32"	Fraction	0.5938	15.08
39/64"	Fraction	0.6094	15.48
5/8"	Fraction	0.6250	15.88
16 mm	Metric	0.6299	16.00
41/64"	Fraction	0.6406	16.27
21/32"	Fraction	0.6562	16.67
17 mm	Metric	0.6693	17.00
43/64"	Fraction	0.6719	17.07
11/16"	Fraction	0.6875	17.46
45/64"	Fraction	0.7031	17.86
18 mm	Metric	0.7087	18.00
23/32"	Fraction	0.7188	18.26
47/64"	Fraction	0.7344	18.65
19 mm	Metric	0.7480	19.00
3/4"	Fraction	0.7500	19.05
49/64"	Fraction	0.7656	19.45
25/32"	Fraction	0.7812	19.84
20 mm	Metric	0.7874	20.00
51/64"	Fraction	0.7969	20.24
13/16"	Fraction	0.8125	20.64
21 mm	Metric	0.8268	21.00
53/64"	Fraction	0.8281	21.03
27/32"	Fraction	0.8438	21.43
55/64"	Fraction	0.8594	21.83
22 mm	Metric	0.8661	22.00
7/8"	Fraction	0.8750	22.22
57/64"	Fraction	0.8906	22.62
23 mm	Metric	0.9055	23.00
29/32"	Fraction	0.9062	23.02
59/64"	Fraction	0.9219	23.42
15/16"	Fraction	0.9375	23.81
24 mm	Metric	0.9449	24.00
61/64"	Fraction	0.9531	24.21
31/32"	Fraction	0.9688	24.61
25 mm	Metric	0.9843	25.00
63/64"	Fraction	0.9844	25.00
1"	Fraction	1.0000	25.40

Reading the size systems

- **Number drills** run backwards: #80 is the smallest (0.0135") and #1 the largest (0.2280").

- **Letter drills** carry on from #1: A (0.234") up to Z (0.413").
- **Fractional drills** are in 1/64" steps. Decimal inch = fraction worked out; mm = inch × 25.4.
- **Metric drills** are normally available in 0.1 mm steps to 13 mm and 0.5 mm steps above. The list shows a practical selection.
- When a size isn't in stock, choose the next size *up* for clearance holes and the next size *down* for tapping or reaming.

Guide values for general workshop use. Always follow the equipment or fastener maker's figure where one is given, and check critical work against the relevant standard.

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