

Standard Fractional Drill Size Chart

These drill bits are widely available and suitable for general-purpose drilling.

Fractional Size	Decimal Equivalent	Metric Equivalent
1/64"	0.0156	0.40 mm
1/32"	0.0313	0.79 mm
1/16"	0.0625	1.59 mm
3/32"	0.0938	2.38 mm
1/8"	0.1250	3.18 mm
5/32"	0.1563	3.97 mm
3/16"	0.1875	4.76 mm
1/4"	0.2500	6.35 mm
5/16"	0.3125	7.94 mm
3/8"	0.3750	9.53 mm
1/2"	0.5000	12.70 mm

Metric Drill Size Chart

Metric drill bits provide precise measurements and are preferred in engineering and manufacturing industries.

Metric Size	Decimal Inches	Common Use
1 mm	0.0394"	Electronics
2 mm	0.0787"	Small hardware
3 mm	0.1181"	Plastic drilling
4 mm	0.1575"	Sheet metal
5 mm	0.1969"	Woodworking
6 mm	0.2362"	General drilling
8 mm	0.3150"	Anchor holes
10 mm	0.3937"	Heavy-duty drilling
12 mm	0.4724"	Industrial applications
16 mm	0.6299"	Structural drilling

Number Drill Size Chart

These drill bits are commonly used for precision machining and tapping holes.

Drill Number	Decimal Size	Metric Equivalent
#80	0.0135"	0.34 mm
#70	0.0280"	0.71 mm
#60	0.0400"	1.02 mm
#50	0.0700"	1.78 mm
#40	0.0980"	2.49 mm
#30	0.1285"	3.26 mm
#20	0.1610"	4.09 mm
#10	0.1935"	4.92 mm
#1	0.2280"	5.79 mm

Letter Drill Size Chart

Letter drill bits are useful when exact intermediate sizes are needed.

Letter Size	Decimal Equivalent	Metric Equivalent
A	0.2340"	5.94 mm
D	0.2460"	6.25 mm
F	0.2570"	6.53 mm
H	0.2660"	6.76 mm
J	0.2770"	7.04 mm
M	0.2950"	7.49 mm
Q	0.3320"	8.43 mm
T	0.3580"	9.09 mm
W	0.3860"	9.80 mm
Z	0.4130"	10.49 mm