

DRILL BIT SIZE CHART



FRACTIONAL • DECIMAL INCH • MILLIMETER

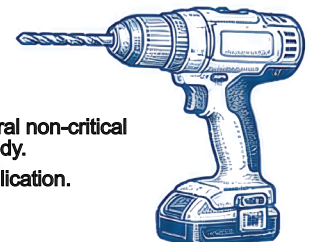


SIZE (FRACTIONAL)	DECIMAL INCH (EQUIVALENT)	MILLIMETER (EQUIVALENT)	EXAMPLE GENERAL USES
1/16	0.0625	1.587 mm	Small pilot holes, electronics
5/64	0.0781	1.984 mm	Small pilot holes, fine work
3/32	0.0938	2.381 mm	Sheet metal, wood, plastic
7/64	0.1094	2.778 mm	Sheet metal, wood, plastic
1/8	0.1250	3.175 mm	General purpose, wood, plastic
9/64	0.1406	3.572 mm	Wood, plastic, soft metals
5/32	0.1562	3.969 mm	Wood, plastic, soft metals
11/64	0.1719	4.366 mm	Wood, plastic, soft metals
3/16	0.1875	4.763 mm	General purpose, wood, metal
13/64	0.2031	5.159 mm	Metal, wood, larger pilot holes
7/32	0.2188	5.556 mm	General purpose, wood, metal
15/64	0.2344	5.953 mm	General purpose, wood, metal
1/4	0.2500	6.350 mm	General purpose, wood, metal
17/64	0.2656	6.747 mm	Metal, bolts, screw clearance
9/32	0.2812	7.144 mm	Hardware, screw clearance
19/64	0.2969	7.541 mm	Metal, hardware, clearance
5/16	0.3125	7.938 mm	General purpose, metal, wood
21/64	0.3281	8.334 mm	Hardware, metal, clearance
11/32	0.3438	8.731 mm	Metal, large clearance holes
23/64	0.3594	9.128 mm	Metal, large clearance holes
3/8	0.3750	9.525 mm	General purpose, metal, wood
25/64	0.3906	9.922 mm	Metal, conduit, clearance
13/32	0.4062	10.319 mm	Metal, conduit, clearance
27/64	0.4219	10.716 mm	Large holes, conduit, fittings
7/16	0.4375	11.113 mm	Large holes, metal, wood
29/64	0.4531	11.509 mm	Metal
15/32	0.4688	11.906 mm	Metal
31/64	0.4844	12.303 mm	Large holes
1/2	0.5000	12.700 mm	Large holes



QUICK REFERENCE TIPS

- **START SMALL:** Begin with a smaller pilot hole, then enlarge as needed.
- **MATCH THE MATERIAL:** Softer materials (wood, plastic) need less force. Harder materials (metal) may require cutting fluid and slower speed.
- **CLEARANCE HOLES:** Follow the fastener or project specification; for general non-critical work, the hole is typically larger than the fastener body.
- **ACCURACY COUNTS:** Use the specified bit size for the required fit and application.
- **MEASURE TWICE:** Check your measurements and bit size before drilling.



— RIGHT BIT. RIGHT HOLE. RIGHT RESULTS. —

Reference only. Verify the required drill size and follow the relevant tool, fastener, tap, and manufacturer instructions before drilling.