

Sleeve Anchor Drill Bit Size Chart

Carbide drill bit for each sleeve anchor size · the bit matches the anchor 1:1

SLEEVE ANCHOR	CARBIDE DRILL BIT
1/4"	1/4" 6.4 mm
5/16"	5/16" 7.9 mm
3/8"	3/8" 9.5 mm
1/2"	1/2" 12.7 mm
5/8"	5/8" 15.9 mm
3/4"	3/4" 19 mm

The 1:1 rule: the drill bit is the SAME diameter as the anchor (a 3/8" sleeve anchor uses a 3/8" bit). The hole is drilled to the anchor's exact size because the sleeve compresses outward to grip as the nut is tightened. Drill deeper than the embedment and blow the hole clean before setting.

VERSATILE. Sleeve anchors work in solid concrete, brick, concrete block AND mortar joints — they spread expansion force along the sleeve, so they hold in brittle material where a WEDGE anchor would split it. Requires a hammer drill and a carbide-tipped bit meeting ANSI B212.15.

Base material, embedment and load determine the exact anchor and spacing — follow the specific anchor's data sheet and local code for heavier work.