

Wedge Anchor Drill Bit Size Chart

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

WEDGE ANCHOR	CARBIDE DRILL BIT
1/4"	1/4" 6.4 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 1/2" wedge anchor uses a 1/2" bit). The hole must match the anchor exactly — oversize and the wedge can't expand to grip (pull-out failure); undersize and it won't seat. Drill deeper than the anchor's embedment and blow the hole clean before setting.

SOLID CONCRETE ONLY. A wedge anchor's high, concentrated expansion force splits brick, block and hollow/brittle masonry — for those use a SLEEVE anchor instead. Requires a hammer drill (or rotary hammer) and a carbide-tipped bit meeting ANSI B212.15.

Embedment, spacing and edge distance vary by diameter, load and concrete strength — follow the specific anchor's data sheet. For structural, seismic or code-governed work, follow the manufacturer's engineered specs and a structural engineer.