

Masonry Drill Bit Family Reference

Masonry drill bit families — shank, drill and best use

BIT FAMILY	SHANK	DRILL	BEST FOR
Carbide masonry	Straight / hex	Hammer drill	Brick, block, soft concrete
SDS-Plus	SDS-Plus (slotted)	Rotary hammer	Most anchor holes
SDS-Max	SDS-Max (slotted)	Rotary hammer	Large & deep holes
Diamond core	SDS / arbor	Rotary / core rig	Clean pass-throughs

Match the shank to your drill: a standard three-jaw chuck takes straight or hex shanks; a rotary hammer takes SDS. An SDS bit will not fit a standard chuck, and a straight-shank bit won't lock into a rotary hammer.

All masonry bits are carbide-tipped (meeting ANSI B212.15) and need a hammer drill or rotary hammer — a regular twist bit in a regular drill will not cut concrete.

The hole SIZE is set by the anchor or fastener you're installing, not by the material: Tapcon = bit one size under the screw; wedge and sleeve = 1:1; drop-in = oversized. See whatdrillbit.com/concrete-anchors for the exact size.