

Masonry Drill Bits

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Drilling & Cutting Tools



Photo: Emrys2 at English Wikipedia — CC BY-SA 3.0 — via Wikimedia Commons (Drill_masonry.jpg)

Masonry bits have a tungsten-carbide tip and a flared cutting head that pounds and grinds through brick, block and concrete when used in hammer mode. They are the right bits for fixing shelving, machines and frames to masonry walls.

Key Features

- Carbide-tipped heads for impact drilling
- Fluted bodies clear the dust
- Sizes 4-16 mm typical in sets
- Shanks round, SDS or hex for different drills
- Flared head design for faster drilling

Typical Uses in the Workshop

- Drill brick and block for wall fixings
- Fix shelves, brackets and machines to walls
- Drill chase holes for conduit and pipes
- Sink anchor bolts in concrete

Safe Operation

1. Mark the position and select the right size
2. Set the drill to hammer mode for masonry
3. Start slow then increase pressure and speed
4. Clear dust regularly by withdrawing the bit
5. Use a masonry plug matched to the hole

SAFETY NOTES

- Wear eye protection - masonry dust is caustic
- Beware hidden pipes and cables in walls
- Keep the drill steady to avoid snapping bits
- Work at a height with a secure footing
- Vacuum dust rather than blow it around

Maintenance & Consumables

- Clean dust out of the flutes after use
- Check carbide tips for chipping
- Store in a case or rack
- Reshape or replace worn tips
- Keep the bits dry to avoid rust

Specification & Buying Notes

A set of 5-12 mm carbide-tipped bits plus a 6 mm and 8 mm pair in longer lengths covers most school fixing jobs. SDS models suit rotary hammer drills.