Broken Screw Extractor Sets

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

Photo via Wikimedia Commons (ScrewExtractors-square.jpg)

Screw extractors remove broken screws and bolts that are flush or broken below the surface: drill a pilot hole into the broken fastener, tap in the left-hand fluted extractor, then turn it out. Sets pair extractors with the correct drill sizes.

Key Features

- Left-hand spiral extractors
- Sets 1-5 with matching drills
- Heat-treated tool steel
- Drill guide jigs on some kits
- Storage cases

Typical Uses in the Workshop

- Remove snapped bolts and screws
- Extract stripped screw heads
- Recover broken studs for repair
- Salvage valuable parts

Safe Operation

1. Centre-punch the broken screw
2. Drill the pilot hole with the matching bit
3. Tap the extractor firmly into the hole
4. Turn counter-clockwise with the wrench
5. Apply heat for stubborn fasteners

SAFETY NOTES

- Extractors are brittle - wear eye protection
- Drill steadily - the tip can skate
- Keep the tap and wrench perpendicular
- Apply oil or heat rather than force
- Dispose of broken extractors safely

Maintenance & Consumables

- Clean and oil the extractors
- Check the flutes for chips
- Store with the drill size chart
- Replace unused extractor sizes
- Keep penetrating oil with the kit

Specification & Buying Notes

A quality extractor set with the drilling chart and matching bits covers screw recovery. Heat-treated steel bites; cheap extractors snap in the hole. Buy the paired kit.