

Cold Chisel Sets

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



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Cold chisels cut and shape cold metal: flat chisels cut sheet and bar, cross-cut chisels cut grooves and slots, and diamond-point chisels cut corners and V-cuts. They work with a hammer on mild steel where grinders are not the best tool.

Key Features

- Flat, cross-cut and diamond points
- Lengths 150-300 mm typical
- Hardened and tempered steel
- Octagonal or hex bodies for grip
- Set cases with sizes

Typical Uses in the Workshop

- Cut bolts, rivets and sheet metal
- Grow out grooves and keyways
- Break castings and cut brick
- Trim metal edges before filing

Safe Operation

1. Eye protection and gloves first - use a chisel guard
2. Hold the chisel at the correct angle
3. Strike with firm, accurate hammer blows
4. Move along the cut line in sections
5. Sharpen the edge on a grinder as needed

SAFETY NOTES

- The struck end can mushroom - grind it flat and wear eye protection
- Never use a chisel as a lever or pry bar
- Keep hands behind the cutting edge
- Do not chisel hardened or case-hardened parts
- Keep others clear of flying chips

Maintenance & Consumables

- Grind the edge to the correct angle
- Dress the struck end regularly
- Oil the chisels lightly
- Store in a roll or rack, edges protected
- Replace cracked or heavily used chisels

Specification & Buying Notes

A set of flat, cross-cut and diamond chisels in hardened steel covers school metalwork. Quality steel holds an edge; cheap chisels mushroom in one session.