

Cordless Right-Angle Drills

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

A right-angle drill reaches into tight spaces where a straight drill cannot fit, with the chuck set at 90 degrees to the body and often a second side handle for control. It drills joists, studs and confined corners where access is a few centimetres.

Key Features

- Right-angle head with low clearance
- Two-speed gearboxes
- Removable side handles
- 18 V battery platforms
- Chuck sizes 10-13 mm

Typical Uses in the Workshop

- Drill in tight corners and confined spaces
- Holes in joists and framing from narrow access
- Drill behind panels and inside carcasses
- Install hardware in cramped cabinets

Safe Operation

1. Position the head in the tight space
2. Use the side handle for control
3. Start slow into the work
4. Withdraw to clear chips often
5. Switch off before repositioning

SAFETY NOTES

- Keep fingers clear of the chuck area
- Do not overreach - use a stepladder
- Check the work is supported
- Wear eye protection
- Keep the vent clear of hands

Maintenance & Consumables

- Keep the right-angle gears greased
- Check the chuck operation
- Keep the head area clean
- Inspect the side handle mount
- Store with the battery removed

Specification & Buying Notes

Buy a right-angle drill when the workshop regularly works in tight spots. Match the platform to the other cordless tools. A compact head height matters more than power.