

Cordless Reciprocating Saws

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

A reciprocating saw (sabre saw) drives a blade back and forth at speed to cut demolition, plunge cuts and rough cutting of wood, metal and plastic, handling tasks that other saws cannot approach. Battery models work anywhere with one hand.

Key Features

- Orbital and straight cutting action
- Tool-free blade changes
- Variable speed triggers
- Blade lengths 150-300 mm
- Shoe adjustment for depth

Typical Uses in the Workshop

- Demolition and dismantling cuts
- Cut timber, pipes and metal on site
- Plunge cuts into walls and panels
- Pruning and rough shaping

Safe Operation

1. Select the blade for the material
2. Set the shoe against the work
3. Start slow and increase the speed
4. Let the blade do the cutting - no force
5. Withdraw the blade clear before stopping

SAFETY NOTES

- Keep both hands on the saw - it kicks and grabs
- Watch for nails and metal embedded in wood
- Use the correct blade and wear eye protection
- Keep the cord or battery clear of the cut
- Check the work is supported so it will not bind

Maintenance & Consumables

- Clean the blade clamp area
- Check the shoe and mechanism
- Replace worn blades promptly
- Inspect batteries and contacts
- Store with a blade fitted and guarded

Specification & Buying Notes

A variable-speed brushless reciprocating saw on the class battery platform covers demolition and site jobs. Buy a blade assortment for wood, metal and nail-embedded cutting.