

T-Squares and Parallel Motion Straightedges

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Design & Documentation

T-squares draw horizontal lines and right angles across the drawing board, while parallel motion straightedges glide on cords to stay parallel as they slide. Both keep technical drawings aligned square to the board.

Key Features

- T-square blades 600-1000 mm
- Clear acrylic edges
- Parallel rules with cord systems
- Spring-loaded straight edges
- Ruled graduations

Typical Uses in the Workshop

- Draw horizontal construction lines
- Set up drawings square to the board
- Run parallel lines quickly
- Support technical drawing practice

Safe Operation

1. Hold the T-square head against the board edge
2. Draw along the top edge with the pencil
3. Slide the parallel rule to each line position
4. Lock or hold the rule in place
5. Check the head or cords for squareness

SAFETY NOTES

- Keep the edges clean and sharp
- Do not use T-squares for cutting
- Check the cords are not frayed
- Store flat on the board
- Protect the head from knocks

Maintenance & Consumables

- Wipe the edges clean
- Check the cords and pulleys
- Tighten the head screws
- Replace worn edges
- Store the board covered

Specification & Buying Notes

A T-square matched to the board size and a parallel motion rule for the drawing boards cover the studio. Acrylic edges stay true; warped edges wreck drawings.