

Dial Indicator Magnetic Stands

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Measuring & Inspection



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Dial indicator magnetic stands clamp dial gauges and DTIs to steel machine surfaces with a strong switchable magnet, holding them rigidly at any angle for setup, checking runout and measuring movement hands-free.

Key Features

- On/off magnetic bases 60-90 kg
- Articulated arms and locking knobs
- Fine adjustment mechanisms
- V-grooves for round surfaces
- Collet or clamp indicators

Typical Uses in the Workshop

- Measure lathe and mill runout
- Align fences and tables
- Set up tool heights and offsets
- Hold indicators for inspection

Safe Operation

1. Clean the mounting surface
2. Switch the magnet on against the steel
3. Clamp the indicator in the holder
4. Position the plunger on the work
5. Lock the arm and zero the dial

SAFETY NOTES

- Check the magnet holds before releasing
- Keep the base away from watches and cards
- Do not let the plunger spring back hard
- Store with the magnet off
- Keep the stand clear of swarf

Maintenance & Consumables

- Clean the base and joints
- Check the locking knobs
- Lubricate the pivot points
- Protect the indicator in its box
- Tighten loose screws

Specification & Buying Notes

A dual-position magnetic base with fine adjustment and a V-groove suits most lathe and mill work. Quality bases hold rigid; cheap arms sag under load.