

Air Hose Reels

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



Photo: Department of Defense. American Forces Information Service. Defense Visual Information Center. 1994 — Public domain — via Wikimedia Commons (Maintenance_crewmen_push_a_refueling_hose_reel_to_an_F-15A_Eagle_aircraft_of_the_12th_Tactical_Fighter_Squadron_

Air hose reels keep compressed air hoses neatly coiled and within reach at workstations, self-retracting or manually winding, with swivel fittings at both ends so the hose follows the work. They remove trip hazards and protect hoses from damage.

Key Features

- Reel lengths from 8 to 20 m
- Self-retracting spring or manual rewind
- Swivel mounts wall or ceiling
- Inlet and outlet fittings included
- Working pressures to 15 bar

Typical Uses in the Workshop

- Supply air to benches and machine bays
- Keep hoses off the floor between uses
- Extend reach across the workshop
- Protect hoses from kinks and wear

Safe Operation

1. Pull the hose out to the needed length
2. Lock the pawl or let the spring hold it
3. Connect the tool securely
4. Release the hose to retract gently
5. Check the swivel rotates freely

SAFETY NOTES

- Let the hose retract under control
- Keep fingers clear of the snap-back
- Do not hang tools from the hose
- Check the reel rating matches the pressure
- Keep the reel area clear

Maintenance & Consumables

- Check the hose for cracks and leaks
- Lubricate the swivel and reel mechanism
- Tighten the mounting bracket
- Replace worn hose sections
- Test the retract spring

Specification & Buying Notes

Choose a reel with a hose rated above the compressor pressure and a swivel connector. Self-retracting spring reels at each machine bay keep the workshop tidy. Buy the mounting kit with the reel.