

Deep Impact Sockets

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



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Deep impact sockets are long, thick-walled sockets for impact wrenches on stubborn and recessed fasteners, absorbing the shock loads that shatter regular sockets. They remove wheel nuts, suspension bolts and seized fixings that defeat hand tools.

Key Features

- Deep well lengths for long studs
- Impact-rated hardened walls
- 1/2 and 3/4 inch drives
- Metric and imperial sizes
- Black oxide or phosphate finish

Typical Uses in the Workshop

- Remove wheel nuts and studs
- Break loose seized and rusty bolts
- Reach recessed fasteners in machine work
- Drive by impact wrench on heavy bolts

Safe Operation

1. Match the socket to the drive and fastener
2. Seat it fully over the nut
3. Run the impact in bursts
4. Use an extension where access needs it
5. Retorque with a torque wrench after

SAFETY NOTES

- Only use impact sockets with impact tools
- Wear eye protection - sockets can shatter
- Check for cracks and mushrooming
- Keep fingers clear of the drive end
- Do not use on chrome plated delicate work

Maintenance & Consumables

- Inspect for cracks and wear
- Clean and lightly oil
- Keep the sets organised
- Replace any cracked socket
- Store in the impact tool box

Specification & Buying Notes

Buy impact sockets as sets in the sizes the workshop vehicles and machinery use. Quality impact steel absorbs shock; cheap chrome sockets shatter dangerously.