Dead-Blow Mallets

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

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A dead-blow mallet is filled with shot or sand so the head does not bounce on impact, transferring all the energy into the work. It seats joints, forms metal and drives parts together with a firm, controlled blow and no rebound.

Key Features

- Shot or sand filled heads
- No-bounce impact delivery
- Faces from nylon, polyurethane or rawhide
- Weights from 300 g to 2 kg
- Replaceable faces

Typical Uses in the Workshop

- Seat wood joints and panels firmly
- Form sheet metal without rebound
- Drive parts together for assembly
- Persuade tight components in machines

Safe Operation

1. Choose the weight and face for the material
2. Swing firmly - the head will not bounce
3. Blow squarely on the work
4. Work around joints evenly
5. Check alignment as parts seat

SAFETY NOTES

- Do not strike hardened or sharp objects
- Keep fingers clear of the impact line
- Check the head and face condition
- Do not throw or drop the mallet
- Store with the face protected

Maintenance & Consumables

- Check the head for cracks
- Replace worn faces
- Inspect the handle fit
- Keep clean and dry
- Store on a rack

Specification & Buying Notes

A dead-blow with a polyurethane face in medium weight suits school assembly and metal forming. The filling gives the no-bounce action - cheap solid heads bounce.