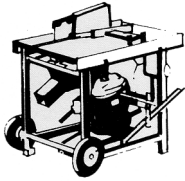




# Safety Instructions

THESE INSTRUCTIONS MUST BE READ BY THE USER BEFORE OPERATING THE SAW.



## 2.3 Woodwork Saw Benches

- This equipment is designed to be operated by someone with normal ability. Persons with a disability or injury must assess whether their disability, when using the equipment, will affect their health and safety and the safety of others.
- It should only be operated by someone with experience of similar equipment.
- This equipment must not be used by anyone whose competence is impaired, for example by drink or drugs.

- 1 The saw bench must be operated correctly according to the manufacturer's or owner's operating instructions, which are available on request if required.
- 2 Position the saw on firm and level ground and secure if necessary.
- 3 A portable saw bench should not be used by any person who has not received sufficient training.
- 4 **CHECK** that the saw is switched off and the power isolated before making adjustments, changing the saw blade or making inspections.
- 5 **CHECK** that all persons and animals are clear of the saw.
- 6 Loose clothing, sleeves etc, should be avoided. Long hair should be tied back. Wear overalls whenever possible.
- 7 Wear personal protective equipment; safety goggles and dust mask are usually necessary. Hard wood dust can give rise to nasal cancer.
- 8 When noise levels are uncomfortably high over 80dB(A), it is advisable to wear hearing protectors.
- 9 If higher noise levels occur regularly when it is necessary to shout to be heard, (85dB(A) and above) the law requires that hearing protectors must be worn.
- 10 **CHECK** that all guards are secure. **NEVER** operate the machine with missing or defective guards. **NEVER** remove the riving knife.
- 11 **CHECK** that the position of the riving knife is no more than 12mm from the blade and adjust if necessary. This will keep the cut open.
- 12 Only use the specified blades or cutters and ensure that they are sharp and in good condition. The directional arrow on blades must match that on the machine.
- 13 **CHECK** that the blade is no smaller than the minimum size marked on the machine.
- 14 **CHECK** the blade for cracks by tapping it and listening to the "ring".
- 15 **CHECK** that there are no tools on the bench or near the blade before switching on the machine.
- 16 **CHECK** for nails and other foreign bodies if sawing used timber.
- 17 **DO NOT** force the saw beyond its capacity.
- 18 **DO NOT** make any adjustments to the guards or the machine whilst the saw blade is running.
- 19 On some machines the top guard (above the blade) rides over the surface of the wood. Those that have an adjustment should be lowered to as near to the surface of the wood as possible.
- 20 **DO NOT** use the machine for cutting a rebate, tenon, or groove when a suitable guard is not supplied.
- 21 **DO NOT** smoke when using the saw bench.
- 22 Keep the area around the saw bench clear of obstructions, chips, and loose materials.
- 23 **ALWAYS** keep hands clear of the rotating saw blade; use a "push stick" when necessary to feed the material past the blade.
- 24 **DO NOT** leave the machine running when unattended.
- 25 **DO NOT** attempt repairs. Contact the Hire Company.

### Saws with Electric Motors

- 26 **CHECK** that the voltage of the supply is correct. The saw will be either 110 volts or 230 volts.
- 27 The use of a low voltage saw at 110V (CTE) would effectively eliminate the risk of death and greatly reduces the degree of injury from an electric fault.
- 28 Use a saw bench with the lowest possible voltage to suit the job.

- 29 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.
- 30 When using a 230V saw the risk of injury or death from electric shock is unacceptably high unless the following precautions are taken:
- Use RCD power breakers at the supply socket to give protection for both the equipment and its power cable.
  - The RCD should be protected from dust, wet weather, mechanical damage and vibration.
  - Position power cables where they are less likely to be damaged.
  - The equipment cables and RCDs should be checked every day (or every shift) using the following as a guide:
    - CHECK** that bare wires are not visible
    - Make sure that cables are not damaged and free from cuts and abrasions (apart from light scuffing)
    - CHECK** that the plug is in good condition, the casing is free from cracks, the pins are not bent or the socket is not blocked with debris or dirt
    - ENSURE** that there are no taped or other non-standard joints in the cable
    - CHECK** that the cable covering has not been pulled out of the grips at the plug or equipment. (The coloured insulation of the internal wires should not be visible)
    - CHECK** the outer casing of the equipment for damage and check for loose or missing parts or screws
    - Make sure that there are no overheating or burn marks on the plug, cable and equipment
    - CHECK** the operation of the RCD power breaker by operating the test button.
- 31 Saws using 110 volts should be checked weekly as in 30(d) above.
- 32 **CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.
- 33 If the automatic cut-out operates, **ALLOW** the motor to cool before re-starting.
- 34 **DO NOT** use electrical saw benches in damp, wet or flammable conditions.
- 35 **DO NOT** disconnect a plug by pulling its cable.

#### Saws with Diesel or Petrol Engines

- 36 Before starting the engine the operator should familiarise himself/herself on how to stop it.
- 37 **DO NOT** smoke when refuelling. **NEVER** refuel with the engine running.
- 38 Replace the fuel caps securely on the engine and fuel container. Wipe up any spillage immediately.
- 39 Fuel containers should be in good condition and leak proof.
- 40 **DO NOT** use the saw in a hazardous or explosive atmosphere, or where fuel has been spilt.
- 41 **DO NOT** run the saw in a badly ventilated area or where exhaust fumes can sink into a basement or excavation.
- 42 If the saw has to be used in an enclosed area ducting may be used to discharge exhaust fumes to a safe place.
- 43 **CHECK** that there is no combustible material on the exhaust system. The exhaust and silencer get very hot.
- 44 In the event of a leak of fuel or oil developing, switch the engine off immediately.
- 45 If warning lights show or gauges register outside normal limits, switch off the engine.
- 46 **DO NOT** top up with coolant while the engine is running. **ALLOW** the radiator to cool before removing the radiator and topping up.



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This leaflet is one in a comprehensive series of equipment safety instructions available from the CPA