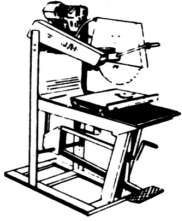




Safety Instructions

THESE INSTRUCTIONS MUST BE READ BY THE OPERATOR BEFORE USING THE SAW.



5.5 Masonry 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 bench on firm and level ground. Secure if necessary.
- 3 A portable saw bench should not be used by any person who has not received sufficient training.
- 4 **CHECK** that all persons and animals are clear of the saw.
- 5 Loose clothing, sleeves etc, should be avoided. Long hair should be tied back. Wear overalls whenever possible.
- 6 Wear personal protective equipment; safety goggles, gloves and boots with steel toecaps must be worn. A dust mask must be worn when cutting dry. Masonry, concrete and stone dust can give rise to silicosis.
- 7 When noise levels are uncomfortably high over 80dB(A), it is advisable to wear hearing protectors.
- 8 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.
- 9 **CHECK** that all guards are secure. **NEVER** operate the machine with missing or defective guards.
- 10 Only use the specified blades and ensure that they are sharp and in good condition. The directional arrow on blades must match that on the machine.
- 11 **CHECK** that blades are mounted correctly otherwise dangerous pounding and vibration will occur. This is particularly important for diamond blades that can loose segments.
- 12 **CHECK** the blade for cracks by tapping it and listening to the "ring".
- 13 **DO NOT** use a badly worn or damaged blade. They can be dangerous.
- 14 **CHECK** that there are no tools on the bench or near the blade before switching on the machine.
- 15 **DO NOT** stand directly in front of the blade when starting the saw.
- 16 **CHECK** that the blade is clear of the cut before starting the saw.
- 17 **DO NOT** force the saw beyond its capacity.
- 18 **DO NOT** apply side pressure on the blade.
- 19 **DO NOT** make any adjustments to the guards or the machine whilst the saw blade is running.
- 20 Keep all parts of the body well clear of the blade when cutting.
- 21 The appropriate blades must be used when cutting wet and when cutting dry. **DO NOT** use a wet cutting diamond blade without water.
- 22 Keep the area around the saw bench clear of obstruction, chips, and loose materials.
- 23 **CHECK** that the saw is off and cannot be restarted before making adjustments, or changing the saw blade.
- 24 **DO NOT** leave the machine running when unattended.
- 25 **DO NOT** attempt to repair the bench saw. Contact the Hire Company

Bench Saws Powered by Electricity

- 26 **CHECK** that the voltage of the supply is correct. The saw will be either 110 volts or 230 volts.
- 27 The use of low voltage equipment at 110V (CTE) will effectively eliminate the risk of death and greatly reduce 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 the electrical saw bench in damp, wet or flammable conditions.
- 35** **DO NOT** disconnect a plug by pulling its cable.
- 36** Unplug from the power supply before making any adjustments.

Bench Saws Driven by Petrol Engines

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



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