

- 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.

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When using a 230V saw the risk of injury or death from electric shock is unacceptably high unless the following precautions are taken:

- a) Use RCD power breakers at the supply socket to give protection for both the equipment and its power cable.
- b) The RCD should be protected from dust, wet weather, mechanical damage and vibration.
- c) Position power cables where they are less likely to be damaged.
- d) 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 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.

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Saws using 110 volts should be checked weekly as in 30(d) above.

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CHECK regularly that all ventilation grills or holes on motor housings are clear and free from dirt.

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If the automatic cut-out operates, allow the motor to cool before re-starting.

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DO NOT use the electrical saw bench in damp, wet or flammable conditions.

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DO NOT disconnect a plug by pulling its cable.

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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.