



SAW BENCH (110/230V)

SAFETY PRECAUTIONS & WARNINGS

It is in the interests of those operating this equipment, and for the safety of others, that these **SAFETY PRECAUTIONS & WARNINGS** are carefully read and understood before operating this equipment.

PURPOSE

1. This type of saw is designed for cutting wood, hardboard, MDF, etc.

PERSONAL SAFETY

2. This equipment is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it. It must not be operated by minors, or by anyone under the influence of drugs or alcohol.
3. If the equipment is not used in a safe, careful and controlled way, personal injury or injury to others may result.
4. Before attempting to operate this equipment you must familiarise yourself with the equipment, its controls and operating characteristics.
5. Before starting your work, think and plan ahead to ensure you, and others around you, will be working in a safe environment.
6. When using this equipment, it is recommended that the following items of Personal Protective Equipment (PPE) be worn:
 - Ear defenders providing protection up to 101dB(A).
 - Dust mask to a minimum protection of EN149ffp2(s).
 - Impact resistant goggles to EN166-B or BS2092 protection.
 - Appropriate industrial gloves.

Note: Other types of work, or environment, may require a higher level of PPE.

7. With regard to electrical safety implications when using this equipment, see the section on **'ELECTRICAL SAFETY'** below.

ELECTRICAL SAFETY

8. The operating voltage of this equipment may be either 110v (yellow industrial plug connector), or 230v (square pin or blue plug connector).

110v SAW BENCH (YELLOW PLUG)

9. Only use a portable transformer and only plug the transformer directly into the 230v socket.
10. Only suitably rated, heavy-duty 110v extension cable, not longer than 50m (160ft), must be used between the transformer and the equipment. Do not use 230v extension cables.
11. When routing the extension cable, avoid immersion in liquids and trapping the cable in windows, doorways and other areas that could cause damage to the cable. Avoid laying the cable in areas that are subject to site traffic. Ensure all connections are kept dry.

230v SAW BENCH (SQUARE PIN OR BLUE PLUG)

12. To safeguard against electrical shock, always connect the equipment into a residual current device (RCD) that in turn is connected to a 230v socket.
13. Before using the equipment, press the 'RED' test button on the RCD to ensure that it is working. Re-set the RCD according to the instructions provided.
14. Only suitably rated, heavy-duty 230v extension cable, not longer than 50m (160ft), must be used between the mains (RCD) and the equipment.

15. When routing the extension cable, avoid immersion in liquids and trapping the cable in windows, doorways and other areas that could cause damage to the cable. Avoid laying the cable in areas that are subject to site traffic. Ensure all connections are kept dry.

OPERATING AREA SAFETY

16. Before commencing work, ensure that the area you are to operate the equipment in is a safe environment. Erect safety barriers and warning signs as necessary.
17. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes, etc.).
18. Before commencing work, warn others who may be working in the vicinity of the equipment, to keep clear. If possible place safety barriers around your work area.
19. Anybody who is working near to you will also need to wear the appropriate PPE.
20. Do not use this equipment in the rain or where it could become wet.
21. Protect others from noise, dust and debris.
22. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

23. Visually inspect the equipment and all its accessories (engine, saw wheel, cables, plugs, safety barriers, etc.) for serviceability (completeness, signs of damage, undue wear, etc.). Do not use the equipment if found damaged or worn - contact the hire company immediately.
24. Ensure the equipment is sited on firm level ground with adequate lighting.
25. Do not use this equipment in the rain or where it may become wet. Keep plugs, sockets and cables dry.
26. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
27. The equipment is heavy, enlist the assistance of another person to move it.
28. When fitting the legs to the saw table, ensure they are fitted correctly and securely attached.
29. All bench extensions, fences and cutting guides must be correctly positioned and secure.
30. Do not use this equipment to cut asbestos or materials containing asbestos.
31. Before you start the equipment, you must know how to **STOP** it in an emergency.

OPERATING THE EQUIPMENT

CUTTING WHEEL SAFETY

32. Selection of the correct type of cutting wheel is vitally important. Select as follows:
 - Must be the correct type of wheel for the material to be cut.
 - The wheel speed (marked on the side of the wheel) must be greater than the spindle speed of the machine (as indicated on the machine).
 - The bore size of cutting wheels must be the same as the bore size of the machine spindle.

33. Cutting wheels must only be fitted or changed by those experienced and trained to do so.
34. Always use sharp blades and the appropriate ones for the material being cut.

USING AS A SAW BENCH

35. Ensure all table extensions and fences are adjusted correctly and secure.
36. Ensure the wheel guard and riving knife are correctly in place and secure.
37. Ensure that there are no nails, screws, etc. present in the work to be cut.
38. When cutting large pieces of work, or large sheets, enlist the help of an assistant.
39. Before switching-on, adjust the 'depth-of-cut' using the fall adjuster hand wheel. Do not attempt to cut rebates or grooves.
40. When cutting circular or unevenly shaped wood, secure it to the saw bench using clamps.
41. Always ensure the cutter is running at its optimum running speed before attempting to cut.
42. Keep both hands clear of the cutting wheel at all times. Where possible, use a 'push stick' to move the work piece.
43. Feed the work piece steadily and carefully towards and through the cutting wheel.
44. Be aware of the reactive forces when the cutting wheel first contacts the material to be cut.
45. This equipment is for cutting straight lines only, do not attempt to cut around corners or bends.
46. Do not allow the machine to labour, reduce the pressure on the work piece.
47. Use the 'push stick' to remove small off-cuts away from the cutting wheel.
48. Do not attempt to sweep away sawdust from the saw bench until after disconnecting the equipment from the mains supply.
49. Keep the equipments ventilation slots clear of sawdust.
50. Un-plug the equipment from the mains supply before attempting any adjustments or changing the cutting wheel.
51. Do not leave the equipment running and unattended.
52. Stop working and switch-off the machine if someone approaches you.

SECURITY & MAINTENANCE

53. Visually check the condition of the equipment at the start of each day.
54. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
55. Periodically clean the equipment to ensure it is free from dust, dirt and other debris.
56. Do not discard sawdust into a fire.
57. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure to prevent unauthorized use or loss.

COLLECTION & PICK-UP

58. For safety reasons this equipment requires you to use a **VAN** or an **ESTATE**.

