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CORDLESS DRILLS - (Battery)

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 equipment is designed for drilling holes in concrete, brickwork and masonry where electricity is unavailable, or where mains electricity is not permitted or available. In addition, it can be used for drilling holes (using non-percussion action) in wood, metal and plastic and drive screws into these materials using the appropriate drill/screw bits.

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. Vibration from this equipment may be at a level that could be hazardous to the user, if operated for extended periods. Always wear gloves and ensure hands are warm before starting work and they remain warm and dry. Do not grasp the equipment too tightly, only sufficient to safely control the machine. If you experience tingling, numbness or loss of strength in the fingers – stop working immediately. Take frequent breaks and exercise the hands and arms to minimise risks.
7. When using this equipment, it is recommended that the following items of Personal Protective Equipment (PPE) be worn:
 - Ear defenders giving protection for levels up to 86dB(A).
 - Impact resistance goggles to EN166-B or BS2092, Grade 1.
 - Dust mask providing a minimum protection up to EN149 ffp2(s).
 - Appropriate industrial gloves.

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

BATTERIES

8. Use only the correct type of batteries and battery charger for the drill being used. Do not attempt to charge any other types of battery.
9. Always employ a residual current device (RCD) when connecting the charger to the mains supply.
10. Only use the charger when it is safe to do so, away from people and in a dry and well-ventilated area. Caution - toxic fumes may be produced when charging some types of battery.
11. Do not attempt to use the drill whilst it is being charged.

OPERATING AREA SAFETY

12. 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.
13. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes etc.).
14. 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.
15. Anybody who is working near to you will also need to wear the appropriate PPE.
16. Protect others from noise, dust and debris.
17. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

18. Visually inspect the equipment and all its accessories (drill bits, chuck, batteries, charger, 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.
19. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
20. Before commencing work, check for hidden electrical cables and pipe work.
21. Before you start the equipment, you must know how to **STOP** it in an emergency.

OPERATING THE EQUIPMENT

USING THE EQUIPMENT

22. Use the correct type of drill/screw bit for the material to be drilled/screwed.
23. Ensure the drill/screw bit is correctly positioned and secure in the machines chuck.
24. This equipment has a 'keyless chuck'. Twist the chuck by hand to secure the drill/screw bit in the chuck and rotate the chuck in the opposite direction to release the drill/screw bit. Do not use any other means to tighten the chuck.
25. This equipment has variable rotational speed, torque and direction (clockwise or anti-clockwise) selection. Ensure they are correctly selected and set before commencing work.
26. Never use the drills 'hammer action' when drilling wood, metal or plastic.
27. Always use both hands to hold and control the drill. Use the side handle (if supplied) for additional control.
28. Always ensure the equipment is running at its optimum running speed before attempting to use the equipment.
29. Be aware of the reactive forces when the drill bit first contacts the work piece.
30. Do not use the drill bit to enlarge an existing hole – use a larger diameter drill bit.

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31. When large diameter holes have to be drilled, use a smaller diameter drill to create a 'pilot hole' as a guide for the larger diameter drill.
32. Keep the equipments ventilation slots clear.
33. Drilling brick, concrete and masonry may create large amounts of dust and debris, cover items and surfaces that may be come affected.
34. Do not allow the machine to labour, reduce the pressure on the equipment.
35. Always allow the drill/screw bit to stop rotating before placing the equipment on the ground or workbench.
36. Stop working and switch-off the machine if someone approaches you.
37. Stop the equipment before moving it or making any adjustments or changing the drill/screw bits.

SECURITY AND MAINTENANCE

38. Visually check the condition of the equipment at the start of each day.
39. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
40. Periodically clean the equipment to ensure it is free from dust, dirt and other debris.
41. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure to prevent unauthorised use or loss.

COLLECTION & PICK-UP

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

