

V/A Hand-Held Variable Speed DRE-Drive Model 433-22000

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.
2. Avoid body contact with grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Never use a power tool with a damaged cord. Damaged cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. (14 gauge minimum)
6. If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected power supply. Use of a GFCI protected circuit reduces the risk of electric shock.

Personal safety

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and picking up or carrying the power tool. Never carry power tools with your finger on the switch.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

5. Do not overreach. Always keep proper footing and balance. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

Power tool use and care

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Never use a malfunctioning power tool. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Preventative safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children. Do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Proper training is required. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools. Check for misalignment or binding of moving parts, damaged parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use the power tool, accessories, and tool bits, etc. in accordance with these instructions, accounting for the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Diamond Core Drill Safety Warnings

1. Use auxiliary handles supplied with the tool to control the power tool during use and to prevent injury. Loss of control can cause personal injury.
2. Consider the work area environment: Don't use the diamond core drill in damp or wet locations. Don't expose the diamond core drill to rain. Keep work area well-lit. Flammable liquids or gases must not be present. The electrical motor produces sparks during normal rotating, the sparks may cause the risk of fire.
3. Grounding of Class I tools is necessary while in use to protect you from electric shock. Class I tools are equipped with an approved three-prong conductor cord and three-prong grounding-type plug. The green/yellow conductor in the cord is the grounding wire, one end of wire is in the grounding side of the tool's outer shell, the other end of wire is connected to the ground wire of the plug. Never connect the green/yellow wire to a live terminal.
4.  **Warning! The power outlet must be equipped with proper grounding. Do not plug Class I tools into the outlet without grounding.**
5. When using an extension cord, use only three-prong conductor cord and with reliable grounding.
6. Use of personal protective equipment is required.
7. To avoid electric shock, verify proper grounding of the power source before operating. Verify that power lines, plumbing, gas lines or other hazards are not under the surface being drilled.
8. When drilling a ceiling, rope off areas above and below to avoid the danger of falling debris.
9. When connecting the drill to a water source, be sure that there are no water leaks to prevent electrical hazards and damage to the motor.

10. Inspect hoses and other critical parts of the tool for damage before each use.
11. The maximum permitted pressure of the liquid supply is 80 PSI.
12.  **Never use the core drill without the provided GFCI.**
13. Test the correct operation of the GFCI before each use. The red light will be illuminated after pressing the "RESET" button. The light will be off after pressing the "TEST" button. The tool can only be operated when the GFCI is operating correctly.
14. Replacement of the plug or the supply cord shall always be carried out by the manufacturer of the tool or qualified professional.
15. Keep water away from the tool. Water must not enter the electrical compartment. Use appropriate water collection/control.

Handling Instructions

1. Using the drill in a core rig stand: Before operating, fix the base on the work piece reliably and tightly, fasten it with expansion bolts, then fastening four (4) bolts on the base uniformly, in the end, tightening them with the nuts.
2. Core bit installation: Install the diamond bit carefully. Ensure the end thread matches with the end output shaft. The thread of the drill should be lightly greased.
3. Connect the drill to the water supply and open the valve.
4. Material: When drilling on the reinforced concrete and when encountering steel reinforcement, the load will increase. Vibration may increase. Reduce the working pressure to prevent overloading of the drill. If the gravel or debris falls into the hole, the drill may be caught and cause the clutch to slip. If the thermal overload is tripped, allow up to 3 minutes to reset. When drilling thick asphalt and other materials, the load will be higher, so drill slowly and uniformly. If the clutch slips continuously, stop the drill and re-torque the clutch.
5. Remove drill core: When the drill bit almost drills through the floor or wall materials, be careful to reduce the drill speed to maintain control. Be careful when removing the drill core to avoid damage to the drill and core bit.
6. Keep the motor ventilated and do not block vents. Allow the drill to cool down between uses.