

Diamond Core Drill - Battery

REQUIRED SAFETY EQUIPMENT



SAFETY FIRST

If you are collecting the equipment for someone else please make sure this sheet is given to the equipment user to read. This sheet should be given to the site supervisor if the equipment is being hired for commercial use so that the information is available to all users.

Before starting any job, be sure to spend a few minutes planning and understanding the hazards and risks of the job. Do this by:

- Thinking about and observing your surroundings
- Running through the steps of the job in your mind
- Identifying the hazards, how you can get hurt and how you'll prevent it
- Knowing what plant and equipment you need
- Only starting when you can do the job safely
- Ensuring you are trained or experienced for the task
- Communicating with everyone involved

Points to consider when planning a task. Can you:

- Come into contact with an energy source (e.g. heat, electricity, substance under pressure) or hazardous materials
- Be struck-by or against anything?
- Be caught-in, on or between anything?
- Slip, trip or fall on the same or too a lower level
- Strain or sprain a muscle?
- Cause damage to plant equipment or property?
- Spill or pollute something?



When Operating

- During hand-held use, always hold the machine securely with both hands on the grips provided
- Begin drilling by applying light pressure until the core bit has centered itself, then increase the pressure. Drill to a depth of 3-5 mm to form a guide kerf
- Regulate the contact pressure while observing the drilling performance indicator
- Optimum drilling performance is achieved when the drilling performance indicator shows a green light. If the indicator shows a red light, reduce the pressure applied to the core bit. Orange light signals increased pressure required
- Self-securing water collector and wet vacuum cleaner should be used when horizontally drilling with water

Pre-Start Checks and Safety

- **Care must be taken to minimise water and slurry contacting electrical parts of the machine**
- Insert fully charge battery ensure it locks into place
- Check side handle is tightened securely
- Ensure water connections are not in contact with rotating parts or have any pinches or leaks
- Select correct gear in relation to core bit diameter
- Check core bits for chipping, cracks, or heavy wear each time before use



Water collectors

Starting Procedure

- Set speed dial on top of gear box according to size of core bit
- Turn the machine on by pressing the power button. Trigger switch will be active within 2 seconds
- Machine will automatically turn off after 15 minutes of inactivity
- If a water extraction system is used, switch it on
- Bring the side handle into the desired position and secure it
- Position the machine at the point where the hole is to be drilled (hole center)
- Slowly open the water flow regulator until the desired volume of water is flowing
- Use the switch locking device for sustained operation only when rig mounted
- The drilling performance indicator lights orange

Operating with stand

- If stand is being used it is fixed solid flat level surface
- If stand is anchor fixed, ensure that it has been fastened to surface correctly
- Ensure machine is attached securely to the stand, with clamping and locking nuts in place
- Secure hand wheel onto the axle
- Release the carriage locking mechanism while in control of the hand wheel
- Turn the hand wheel until the diamond core bit is in contact with the work surface

Stopping and After Use

- Switch the machine off by releasing the on / off trigger Switch and then wait until the core bit has stopped rotating
- Turn the machine off by pressing and holding down the power button
- Clean machine down with damp rag, do not rinse with water
- Recharge batteries for next use