Bayer BCR250 Diamond Core Drill

Electric wet diamond core drilling system (up to 250 mm class). Check the motor rating plate for voltage/current before connecting.

PRE-START CHECKS

- Electrical test-and-tag label present and in date (AS/NZS 3760); plug, lead and housing undamaged.
- Check rating plate; use an outlet and lead matching the plug (a 15 A plug needs a 15 A outlet – no adaptors). Test the PRCD/RCD on the lead.
- Core bit: segments intact, not cracked/bent; thread clean. Rig/stand column, carriage and feed handle in good condition.
- Water supply hose, valve and fittings not leaking; slurry control (wet vac/containment) ready.
- Scan for reinforcement, services and post-tensioned cables; get engineer approval before coring structural or post-tensioned members.

HOW TO OPERATE – BASIC STEPS

1. Anchor the rig securely to the surface per the manual (anchor bolt or vacuum base as specified); level the column.
2. Fit the motor to the rig and the bit to the spindle; tighten.
3. Barricade the area below/behind the hole – the core and water can drop through.
4. Turn the water on before starting; start the motor with the bit clear of the surface.
5. Begin with light feed pressure until the bit has a guide groove, then feed steadily – do not force. Keep water flowing throughout.
6. If the bit jams, switch off immediately; free the bit by hand with the motor isolated. Switch off and unplug before removing the core.

KEY HAZARDS

- Electric shock – water and electricity: keep the motor and connections dry, PRCD/RCD always used.
- Torque reaction / rig movement if the bit binds or anchoring fails.
- Falling cores, wet slippery floor, slurry.
- Respirable crystalline silica – drill wet only; noise; manual handling of motor and rig.

REQUIRED PPE

- Safety boots (waterproof), safety glasses, hearing protection, gloves for bit handling, hard hat where required. RPE (P2 minimum) if any dry cutting/dust.

REFUELLING / POWER / CHARGING

- Mains electric – Plug into an RCD-protected outlet (30 mA) or use a portable RCD; test the RCD button before use. Use only tagged, heavy-duty extension leads, fully unwound, kept out of water and traffic.
- Do not use in rain unless the equipment is rated for it.

STORAGE & RETURN

- Clean slurry off motor, rig and bit; drain water. Return bit(s) with the drill. Do not leave the motor wet.
- Return with all accessories supplied. Report any damage, fault or near-miss at return – do not attempt repairs.

MANUFACTURER MANUAL & SDS

- **Manual:** Bayer BCR250 manual: Manual available on request.
- **SDS:** No SDS applies to the drill. Concrete dust/slurry hazards – see SafeWork guidance on crystalline silica.

Licence / competency: Operator must be trained and competent in core drilling. Silica control measures under the WHS (General) Regulations 2022 (WA) apply.

EMERGENCY: call 000 (Police/Fire/Ambulance) • Poisons Information 13 11 26 • Breakdown or help: see the Contact page at foothillshire.com.au • Site first aider / supervisor: _____

IMPORTANT – READ BEFORE USE. This sheet is a summary only and does not replace the manufacturer's operator manual. The hirer must read, understand and follow the manufacturer's manual and all warning labels before use, and must ensure every operator is trained, competent and – where required – licensed for this equipment and task, as required by the Work Health and Safety Act 2020 (WA) and the Work Health and Safety (General) Regulations 2022 (WA). Do not use equipment that is damaged, untagged or out of inspection date – stop and contact Foothills Hire. Foothills Hire is a business name held by Foothills Industries Group Pty Ltd, ABN 38 688 848 302.