

ROKTOR

TOOLSTATION

Original User Instructions

DIAMOND CORE DRILL BIT SET 3 Core Drill Bits & Accessories

SKU:AJ648



READ BEFORE USE
PLEASE KEEP THESE INSTRUCTIONS FOR FURTHER REFERENCE

WHAT'S IN THE BOX

- 1 x User's instructions
- 3 x Diamond core drill bits (diameter 38, 52 and 117mm, with 150mm length)
- 1 x A-tape pilot drill bit(205mm length)
- 1 x Hex Adaptor(200mm length)
- 1 x SDS plus Adaptor(200mm length)
- 1 x Ejector Drift Key(75mm length)

If you do not have all these items, please contact:

www.toolstation.com/contact

Telephone 0808 100 7211 Mobile friendly 0330 333 3303

Email info@toolstation.com

GENERAL SAFETY ADVICE

Always wear eye protection.

Always wear the correct respirator or dust mask for the material being cut.

Always drill with gentle pressure and ensure that excess dust is cleared away.

Always ensure that your power tool is disconnected from its power source when removing and fitting core drill bits.

Always hold the power tool with both hands when cutting materials with core drill bits.

Never drill above head height, or in a position that is uncomfortable.

OPERATING INSTRUCTIONS

Please observe the following guidelines to ensure a long working life for your ROKTOR Diamond Core Drill Bits.

Intended Uses:

ROKTOR Diamond Core Drill Bits are suitable for cutting **breeze block, brick, masonry and soft concrete without rebar.**

They are **NOT** designed to cut extremely dense concrete, engineering bricks or abrasive materials because doing so may damage or reduce the working life of the core bit.

Diamond Core Drill Bits must always be used with power drills rated at between 850 to 1,500 watts, which are equipped with a safety clutch and a variable speed function capable of speeds of up to 3000 rpm.

Always use the drill at the recommended rotational speed for the size of core bit being used.

Speeds of between 1,000 and 3,000 rpm are normal for the correct operation of diamond core drill bits.

WARNING!

Rotary Use Only: Must not be used on Percussion/Hammer mode.

- **Do not** use Diamond Cores larger than 78mm in diameter with SDS-plus drills as this may result in damage to the power tool or SDS adaptor.
- **Always** ensure that the core bit is rotating when entering and exiting the material being cut.
- **Never use** “hammer” action when using a diamond core bit, as this is likely to cause damage to both the core drill bit and to your power tool.
- **Never** attempt to cut metal or reinforced concrete as damage to the core bit is likely to occur.
- **Never** allow the core drill bit to become excessively hot while cutting, and allow a cooling down time between cutting applications.
- Please refer to your manufacturers' instructions as to the maximum core diameter that can be safely used with your power tool.

Operation Hints

Diamond Core Drill Bits can be used with or without a pilot drill bit.

- **With a pilot drill bit**

1. Push the pilot drill into the Hex or SDS adaptor.
2. After marking out, drill until the diamond core bit is at least 5mm into the material.
3. Withdraw from the material, disconnect the power, and remove the pilot drill using the drift key.
4. Restart drilling.

- **Without a pilot drill bit (Experienced operatives may use the following procedure)**

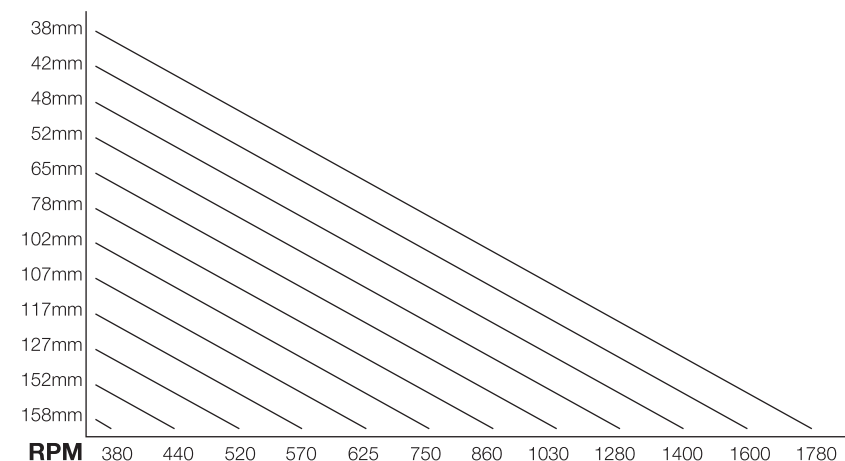
Please note that this procedure should not damage the diamond core bit.

1. With the diamond core bit running, apply the cutting edge to the surface of the material to be cut, with the drill at an angle of approximately 15°.
 2. As the teeth bite, gradually move the core bit towards a 90° angle to the surface of the material, while continuing to apply pressure.
- Although a soft or abrasive material will cut easily, it will also cause rapid wear to the cutting edge of the core drill bit. With such materials, increased drilling speed (rpm) will extend the life of the core drill bit.
 - For harder materials, the drilling speed should be decreased to prevent overheating.

- Diamond core drill bits rely on an air flow to keep them cool and help disperse heat, to aid this process withdraw the core at regular intervals during the drilling process and allow the core to rotate outside the hole for a few seconds to cool the core down.
- Exiting the cut at regular intervals keeps the core running cool and helps clear any abraded waste material, minimising the risk of the core becoming jammed.
- **Do not** apply extreme pressure by attempting to force the core, this will cause excessive heat resulting in premature wear to the diamond segments. Always let the drilling machine and the diamond segments do the work.
- If a diamond core drill bit becomes polished (blunt) make a shallow cut in a soft building brick or block to refresh the diamond segment cutting edge.
- Only use diamond core drill bits with the machine set to the “rotary” option.
- Regularly check the core drill bit for damage and signs of uneven wear.

General Guide to Speed Settings

Core Size



CUSTOMER SUPPORT

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