

## Technical Notes

### CNC Wet Core Bit

Alpha® introduces a Wet Core Drill Bit for CNC Machines and Radial Arm workstations. This Core Bit comes with a 1/2" Gas Thread, designed for the tool holder. The diamonds and matrix have been selected to minimize blow-out at the bottom of the stone, since most CNC Router fabrication is done upside-down. This new Core Bit utilizes the superior technology that has made the Alpha® Wet and Dry Core Bits the best in the industry.

**Sections:**

- How to Use
- Frequently Asked Questions (FAQs)
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Part No.	Diameter	Arbor
DNC01375	1-3/8"x4"	1/2" GAS Thread

### How to Use

Attach the Alpha® Wet Core Bit for CNC onto the machines Tooling.

Refer to the owners' manual of the machine for proper attachment and usage.

### Frequently Asked Questions (FAQs)

**What materials can be drilled using the Alpha® Wet Core Bit for CNC?**

The Alpha® Wet Core Bits for CNC are designed to be used on granite, engineered stone and porcelain slab. We do not recommend using this core bit for marble.

**What granite classifications are the Alpha® Wet Core Bit for CNC designed for?**

The Alpha® Wet Core Bits for CNC are designed to perform well on all granite classifications (1– 4).

**What is the recommended RPM range for using the Alpha® Wet Core Bit for CNC?**

The core bit should be used in the range of 2,000 – 2,500 RPM.

**What feed rate is recommended for using the Alpha® Wet Core Bit for CNC?**

Recommended feed rate is 38–45mm/min (1.5"–1.75"/min)

**What applications is the Alpha® Wet Core Bit for CNC designed for?**

The core bit is designed for drilling faucet-mounting holes in countertops and vanities as well as making pilot holes for the CNC finger bits.

**What sizes are available for the Alpha® Wet Core Bits for CNC?**

See chart on page 1.

**What is the total length of the Alpha® Wet Core Bit for CNC?**

Estimated length is: 105.47mm (4.15")

**What is the thickness of the segments on the Alpha® Wet Cutting Bit for CNC?**

The segment thickness is: 2.0mm.

**What is the thread size of the Alpha® Wet Core Bits?**

See chart on page 1.

**What is the reason for the two holes in the body of the core bit?**

These holes are called "Reduction Pressure Holes". The purpose of these holes is to release the water pressure build-up within the core during drilling applications to minimize blow-outs on the bottom of the stone.

**Can I use the Alpha® Wet Core Bit for CNC on electric and pneumatic polishers?**

No. The Alpha® Wet Core Bit for CNC are designed only for CNC Machinery. The threads of the CNC Core Bit are 1/2" GAS Male thread.

**The Alpha® Wet/Dry Core Bits for hand-held applications have vacuum brazed diamonds on the outer core, why don't the Alpha® Wet Core Bits for CNC have these?**

Due to the precision of CNC machinery, there is no need for side protection on the CNC Core Bit.

## Helpful Hints

- To help assist in avoiding blow-outs, clamp an additional stone (face polish to face polish) to the area being drilled to minimize any blow-outs.
- Refer to the owners' manual of the machine for proper attachment and usage.

## Reference

For more product information, visit us on the web at [www.alpha-tools.com](http://www.alpha-tools.com).