

Technical Notes

Vortex for Granite

Alpha® had created the Duo Trak Blade as a multi-purpose blade to be used in a variety of applications. Unfortunately, ANSI regulations did not recognize a blade with the ability to perform more than one function. In response to those regulations we discontinued the Duo Trak. At the same time, we improved the design by adding side protection segments on both sides of the blade and introduced the Vortex. The dual side protection segments improve the strength and durability, while creating a flush cutting blade superior to any other available in the market. Stone fabricators will love the versatility of this blade and the ease with which it can complete flush cutting operations. The unique design provides an excellent cost per cut ratio. Ideally suited for use on various materials, it may be used wet or dry. A very aggressive blade that allows the operator to perform cuts quickly and efficiently. Available in 4" and 5" sizes.

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Part No.	Size	Maximum RPM	Arbor
FCD40AH	4"	14,500	20mm Quad Drive
FCD50AH	5"	12,200	20mm Quad Drive

How to Use

Mount the Alpha® Vortex for Granite blade onto the Alpha® BAH-5/8 adapter. Place the blade on the appropriate adapter making sure the countersunk holes on the blade are facing upward. Align the hole pattern of the blade together with the hole pattern of the adapter and insert the countersunk screws. Tighten the screws using a screwdriver, making sure the heads of the countersunk screws are level with or below the level of the blade core. The Alpha® Vortex blade is now ready to be placed on an angle grinder rated for the diameter blade being used.

Always refer to the operation manual of the power tool for correct mounting procedures.

Frequently Asked Questions (FAQs)

What materials can be cut using the Alpha® Vortex for Granite blade?

The Alpha® Vortex blade is designed to be used on granite and engineered stone.

The Alpha® Vortex for Granite is a dry cutting blade, can I use this blade for wet application?

Yes. Wet cutting will generally increase blade life and will keep harmful dust (Silica) out of the air.

What sizes of the Alpha® Vortex for Granite blades are available?

These blades are available in 4" and 5" diameters.

What is the cutting edge rim height of the Alpha® Vortex 4" and 5" blades?

4" Vortex (7mm) and 5" Vortex (6mm)

What is the spindle size required for use of the BAH-5/8 adapter?

Your power tool needs to have a 5/8"-11 threaded spindle for use of this adapter.

Does Alpha® offer other spindle sizes for the BAH and FAH adapters?

Yes. Other spindle sizes are available. Please contact your dealer or Alpha® directly to learn more about these other thread sizes.

Can I use the Alpha® Vortex for Granite blade on my polishing tool?

No. The RPM speeds of polishers are too slow. Diamond blades are recommended for use on high-speed angle grinders rated for the blade diameter being used.

What applications are the Alpha® Vortex for Granite blades designed for?

The Alpha® Vortex blades are designed for flush cutting and making 90 degree inside corners. Other cutting applications such as top mount sink bowl cut-outs when you need to cut the material between the drilled core holes are ideal for this blade.

Can I use the Alpha® Vortex blade without the BAH-5/8 adapter?

No. The Alpha® Vortex blades must always be used together with the BAH adapter. Alpha® does not recommend mounting the Vortex blade directly onto the flange of a power tool without the BAH adapter due to the countersunk holes drilled within the core of the blade.

Helpful Hints

- Use of water will prolong the life of your dry cutting blade as well as keep harmful dust (Silica) out of the air.
- We recommend the step-cutting method to prolong the life of the diamond blade.
- While cutting thick material, back-off frequently to cool off the blade and prevent over-heating.
- Use the flanges and adapters which are specifically made for your power tool.

Reference

For more product information, visit us on the web at www.alpha-tools.com.