

Technical Notes

Quad

Alpha® Quad combines the performance of Alpha® Plus, the ultimate diamond blade, with our unique design for flush cutting applications. Unlike other blades, Alpha® Quad accepts our exclusive Quad Drive Adapter, which eliminates the required lock nut. The Quad Drive Adapter has a threaded arbor that permits mounting on angle grinders for “flush cutting” applications. The quad driver designed for larger diameters enables angle grinders to be used for cutting applications with their existing safety guard in place. Fabricators use Alpha® Quad to make 90 degree inside corners cleanly and efficiently. Monument builders can easily clean up marks left from large diameter saw cuts with Alpha® Quad. General contractors love to convert their angle grinder into a cutting tool on the job site by using Alpha® Quad. This blade is also very popular for sculptors who want to reach tight corners and hard to reach areas. Alpha® Quad and the Quad Drive Adapter offer unique features with the performance of the ultimate diamond blade for special applications.

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Part No.	Size	Maximum RPM	Arbor
DA04AH	4"	14,500	20mm Quad Drive
DA05SH	5"	12,200	20mm Quad Drive
DA06AH	6"	10,100	20mm Quad Drive
DA07AH	7"	8,400	20mm Quad Drive
DA08AH	8"	7,400	20mm Flange with 8 holes
DA09AH	9"	6,600	20mm Flange with 8 holes
DA11AH	10"	5,900	20mm Flange with 8 holes

How to Use

Mount the Alpha® Quad blade onto the Alpha® BAH-5/8 or FAH-5/8 adapters. Place the blade on the appropriate adapter making sure the countersunk holes drilled into 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® Quad 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 applications are the Alpha® Quad blades designed for?

The Alpha® Quad blades are designed for flush cutting and making 90 degree inside corners.

Can I use the Alpha® Quad blade for groove cutting application?

No. We recommend using the Alpha® Groove Cutter together with the Alpha® Universal Safety Guard Kit for groove cutting application.

Can I use the Alpha® Quad blade without the BAH or FAH adapters?

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

On what granite classification do you recommend using the Alpha® Quad blades?

The Alpha® Quad blades are best suited for all granite classifications; however; this particular blade works best on hard granite classification material.

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

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

What is the cutting edge rim height of the Alpha® Quad blades?

Alpha® Quad blades cutting edge rim height is 8mm.

What is the spindle size required for use of the BAH-5/8 and FAH-5/8 adapters?

These adapters have a 5/8"-11 thread size.

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® Quad blade on my polishing tool?

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

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 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.