

Technical Notes

Katana

Alpha Professional Tools® is excited to introduce the Alpha® Katana. This blade is the ultimate dry cutting diamond blade for the professional tile contractor. Engineered to be the only blade you will need for cutting all materials, such as porcelain, granite, marble, engineered stone and glazed ceramic tile. If the job entails cutting porcelain for an entire house, or various materials on one job, attach this blade to your Alpha® Wet Stone Cutter or popular angle grinder. Combine this blade with the Alpha® Ecocutter Dry Tile Cutting System for the ultimate dry cutting dust-free experience! For the best choice in cutting all tile materials, choose Alpha® Katana. As with all dry blades, it may be used wet to minimize dust and extend the life of the tool.

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Part No.	Size	Maximum RPM	Arbor
DPT100	4"	14,500	5/8", 20mm
DPT115	4-1/2"	13,200	7/8", 20mm
DPT125	5"	12,200	7/8"

How to Use

Mount the Alpha® Katana blade onto the appropriate power tool designed for the blade diameter:

- 4" diameter blades will fit the Alpha® AWS-110 Wet Stone Cutter and most 4" angle grinders.
- 4-1/2" diameter blades will fit the Alpha® AWS-110, AWS-125 or 4-1/2" angle grinders.
- 5" diameter blade will fit the Alpha® AWS-125 or 5" angle grinders and the Alpha® Ecocutter (Dry Cutting System).

When mounting the blade onto the power tool, make sure the blade's directional rotation matches the spindle rotation of the power tool.

Always make sure the power tools safety guard is mounted onto the tool. If the blade doesn't fit with the safety guard on the tool, you're probably using the wrong size power tool.

Frequently Asked Questions (FAQs)

What materials can be cut using the Alpha® Katana blades?

The Alpha® Katana blades are specifically designed to cut porcelain tiles; however, this blade can also cut granite, marble, engineered stone and glazed ceramic tiles.

Can a dry blade be used wet?

Yes. Cutting wet will generally increase the blades life and will help keep harmful dust (Silica) out of the air.

Why should I use the Alpha® Stone Cutters (AWS-110 / AWS-125) rather than an angle grinder?

The Alpha® AWS-110 and AWS-125 Stone cutters will provide you better cutting stability since the power tools' base glides across the surface of material being cut, and provides for increased accuracy, rather than by freehand. Also, the Alpha® Stone Cutters have a water-feed supply for wet cutting to keep dust out of the air.

Cordless Grinders are becoming popular, will the Alpha® Katana blade work on these tools?

Yes. The arbor size of most Cordless grinders is usually 7/8" so you will need to use the 4-1/2" or 5" Alpha® Katana blade on this tool; Katana blades have a 7/8" arbor.

On what other tools can I use the Alpha® Katana blades?

The 5" Katana blade is also recommended for use on and included with the Alpha® Dry Cutting System (Part #: ECC-KIT).

Helpful Hints

- Use felt strips on the bottom of base plate of the Alpha® AWS-110 / AWS-125 to prevent scratching the surface of material you are cutting.
- Use of water will prolong the life of your dry cutting blade as well as keep harmful dust (Silica) out of the air.
- Using the ruler guide accessory of the Alpha® Stone Cutters will assist in making perfectly straight cuts.
- 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 overheating.
- 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.