

## Technical Notes

### Eclipse II

Alpha® Eclipse II is ideal for general purpose use on common building materials such as masonry, concrete and tile. Alpha® Eclipse II fits on most of the angle grinders and wet stone cutters commonly found in the stone and construction industries. Similar in design to Alpha® Plus, Alpha® Eclipse II is versatile and will cut tile, brick, block, concrete, slate and natural stone accurately and cleanly. Tile installers, masons and general contractors will find Alpha® Eclipse II proven to be a reliable blade that will meet the challenges of cutting modern building products. Alpha® Eclipse II is cost-effective, long lasting and provides consistent results without chipping. Alpha® Eclipse II has no equal when comparing price to performance.

#### Sections:

- How to Use
- Frequently Asked Questions (FAQs)
- Helpful Hints
- Reference



Part No.	Size	Maximum RPM	Arbor
DEE004	4"	14,500	20mm, 5/8"
DEE045	4-1/2"	13,200	7/8", 20mm
DEE005	5"	12,200	7/8"
DEE006	6"	10,100	5/8", 7/8", ⬡
DEE007	7"	8,400	5/8", ⬡
DEE008	8"	7,400	5/8", ⬡

### How to Use

Mount the Alpha® Eclipse II 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.
- 6" diameter blades will fit onto a 6" Angle Grinder.
- 7" diameter blades will fit onto 7-1/4" Circular Saws or 7" Angle Grinders, and are supplied with a diamond knockout.
- 8" diameter blades will fit onto 8-1/4" Circular Saws

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

Step cutting is recommended to enhance the life of your blade.

Always make sure the power tool's 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 is the cutting edge rim height of the Eclipse II blades?

Alpha® Eclipse II blades cutting edge rim height is 8mm.

#### On what granite classification do you recommend using the Alpha® Eclipse II blades?

The Eclipse II blades are best suited for Medium to Soft granite classifications; however; the Eclipse II blades will also cut hard granite classifications.

**Can a dry blade be used wet?**

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

**Why should I use the Alpha® Stone Cutter rather than an angle grinder for 5” diameter or smaller blades?**

The Alpha® AWS-110 or AWS-125 Stone cutters gives you better cutting stability since the power tools' base glides across the surface of material being cut, and provide for increased accuracy, rather than by freehand.

**Can I use an 18V Cordless Circular Saw together with the Alpha® Eclipse blades?**

No. The RPMs of these 6-1/4” circular saws is 3,200, which is too slow for diamond blades. Using a slow rpm tool will cause the blade's cutting edge to become out-of-round or create premature wear on the blade.

**What materials can be cut using the Eclipse II blades?**

The Alpha® Eclipse II Series can be used to cut tile, brick, block, concrete, slate and natural stone, and gives superior results on granite.

## Helpful Hints

- Use of water will prolong the life of your Dry Cutting blade. Using water will also 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](http://www.alpha-tools.com).