

## Technical Notes

### Libero

Alpha® Libero is designed to cut materials such as softer marbles, travertines, soapstones, and alabaster without the chipping and cracking commonly associated with the dry cutting process. The advanced electroplated bond outperforms any other blade when cutting softer grades of natural stone. When used on angle grinders and wet stone cutters, Alpha® Libero is aggressive and easy to use, which reduces finishing time and saves you raw material. Marble fabricators will find Alpha® Libero ideal for the intricacy of fabrication work. Tile installers will find Alpha® Libero easy to use on softer marble and travertine tiles. General contractors and sculptors will find Alpha® Libero is great to use for difficult cuts. Whether you use this blade in the shop or in the field, it brings you the quality and long life you expect from a premium blade and the convenience of accurate and precise cutting performance on softer types of natural stone.

#### Sections:

- How to Use
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Part No.	Size	Maximum RPM	Arbor
DL04A+	4"	14,500	20mm, 5/8"
DL05A+	4-1/2"	13,200	7/8", 20mm
DL05S	5"	12,200	7/8"
DL07A+	7"	8,400	5/8", ⬡

### How to Use

Mount the Alpha® Libero 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 and most 4-1/2" Angle Grinders.
- 5" diameter blade will fit the Alpha® AWS-125 or 5" Angle Grinders and the Alpha® Ecocutter Dry Tile Cutting System.
- 7" diameter blades will fit onto 7-1/4" Circular Saws or 7" Angle Grinders

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

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® Libero blades?

The Alpha® Libero blades are designed to cut softer materials such as marble, travertine, soapstone and alabaster. The electroplated diamond design assures smooth clean cuts without chipping or cracking the material.

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

Yes. Cutting wet will generally increase the blades life and 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 Wet Stone Cutters give 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 application. Also, the Alpha® Stone Cutters have a water feed supply to for wet cutting to keep dust out of the air.

#### Can I use the Alpha® Libero blade to cut granite?

No. The Alpha® Libero blade utilizes electroplated diamonds which are designed to cut only soft materials. If you use this blade to cut hard materials such as granite, the electroplated diamonds will round-over/dull and the blades cutting ability will be lost almost immediately.

**Can I cut Fiberglass using the Alpha® Libero blade?**

Yes. The Alpha® Libero blade will cut fiberglass material. For best results and a long life, we recommend using this blade dry with the Alpha® AWS-110/AWS-125 Wet Stone Cutter for the 4", 4-1/2" and 5", and a circular saw for the 7" blade.

**What sizes are available for the Alpha® Libero blades?**

See chart on Page 1.

## 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.
- 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 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).