

## Technical Notes

### Cordless Saw Blade for Glass

The Alpha® Cordless Saw Blade for glass, is designed for wet cutting of glass with battery powered saws. This blade cuts glass perfectly without chipping. Its smooth continuous rim is well suited for this application. Homeowners and handymen alike will find this blade well suited for use on their battery powered Makita, Panasonic, or Skil saws. Semi-professional users will love the performance. The blade's construction allows it to achieve superb performance. This Alpha® Cordless Saw Blade enables the end-user to make the most of their battery powered saw.

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Part No.	Size	Maximum RPM	Arbor
BG03AL	3-3/8"	1,500	15mm

### How to Use

Attach the Alpha® Cordless Saw Blade for Glass onto the battery powered saw.

Make sure that the directional arrows on the blade match the spindle rotation of the tool.

The Alpha® Cordless Saw Blade for Glass is a WET cutting blade. Make sure the refillable water coolant bottle attached on the saw is filled prior to starting your cutting applications.

Adjust the depth of your cut; generally if the blade is 1/8" below the material you are cutting, this is sufficient.

Slowly push the blade into the material maintaining a consistent slow traverse speed until you cut the entire piece of material. A slow consistent pushing motion will allow the diamonds within the blade's cutting edge to cut the material easily and minimize chipping on the edge.

### Frequently Asked Questions (FAQs)

**Which way do I install the blade on my tool?**

The proper blade direction will be found on the sticker label on the blade. Install the blade so that the blade will follow the directional arrows on the label. Another way to check the rotation of the blade is to examine the diamond bond tails in the cutting edge. The bond tail behind each diamond should be pointing the opposite direction of blade rotation. If the blade is installed incorrectly, the bond tails will reverse direction, which may cause some premature wear.

**What materials can I cut with the Alpha® Cordless Saw Blade for Glass?**

This blade is designed for glass, mirrors, and decorative glass tiles.

**What brand battery power tools can I use this Alpha® Cordless Saw Blade for Glass?**

Makita, Panasonic or Skil Saws are the tools of choice for this 3-1/8" blade for Tile. These power tools have a refillable water coolant bottle for supplying water to blade during cutting applications.

**Can I use this blade for dry application?**

No. Wet cutting diamond blades must be used with water to prevent excessive heat buildup during cutting. Using water on the blade also reduces dust and helps enhance the cutting performance and life. A continuous water flow is critical. Using “wet” blades without water even for a few seconds will cause excessive heat and blade damage.

**The speed of my cut is slowing down. What can I do to improve it?**

The diamonds are rounding over or glazing causing the blade to lose its cutting ability. You need to re-dress the blade using a soft abrasive material such as a dressing stone or a concrete block.

**What is the maximum RPM which I can use the Alpha® Cordless Saw Blade for Glass?**

This 3-3/8” diameter blade should not exceed 1,500 RPM.

**What is the arbor size of the Alpha® Cordless Saw Blade for Glass?**

The arbor size of this blade is 15mm.

**What is the maximum blade cutting depth of the Alpha® Cordless Saw Blade for Glass?**

The maximum depth of cut using this blade is 53/64”.

## Helpful Hints

- In order to maintain proper speed, always make certain to use a fully charged battery.
- Do not force the blade to cut; allow the diamonds time to cut through the material. Slower cutting helps eliminate chipping on the cut edge.
- Wet cutting is required.
- Take appropriate steps to assure personal safety when performing any cutting application
- Review operations manual of the power tool to assure proper usage.
- Use the Alpha® Corner Nippers and Alpha® Corner Rulers for other glass applications.
- Use Alpha® PVA (Red & Blue) to ease and polish the edge of glass tiles.

## Reference

For more product information, visit us on the web at [www.alpha-tools.com](http://www.alpha-tools.com).