

Technical Notes

Numero Uno

Alpha® Numero Uno is designed for cutting granite, marble and engineered stone. It is available in sizes to fit most tub and tile saws and the Alpha® Wet Stone Cutters. For a long time, tile installers used expensive dry cutting blades to cut harder types of natural stone tile because there were no blades available designed to cut harder materials with wet saws. Alpha® Numero Uno is the first diamond blade developed specifically to fill this void, and it has lowered the cost of installing granite and harder types of natural stone tile. Tile installers and tile shops will find that Alpha® Numero Uno will cut the most difficult natural stone tiles quickly and efficiently. The advanced style rim reduces the risk of chipping and breaking while providing accurate and safe cuts. Alpha® Numero Uno is cost-effective and easy to use. Its unique design and capability makes Alpha® Numero Uno the number one choice of blades for tile contractors and tile shops.

Sections:

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Part No.	Size	Maximum RPM	Arbor
GM05A+	4-1/2"	13,200	7/8", 20mm
GM05S	5"	12,200	7/8"
GM06A+	6"	10,100	5/8"
GM08A+	8"	7,400	5/8"
GM10A+	10"	5,900	5/8"

How to Use

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

- o 4-1/2" diameter blade will fit the Alpha® AWS-110, AWS-125 or 4-1/2" Angle Grinders
- o 5" diameter blade will fit the Alpha® AWS-125 or 5" Angle Grinders
- o 6" diameter blades will fit onto tile saws
- o 8" diameter blades will fit onto tile saws
- o 10" diameter blades will fit onto tile 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 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)

Which way do I install the blade on my tool?

The blade direction is printed on the front of the blade. Install the blade so that the blade will follow this direction. If the front of the blade is no longer legible, a directional arrow is embossed into the back of the blade. As a last resort, examine the diamonds. 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® Numero Uno blade?

The Numero Uno wet blade series is primarily designed for granite, marble and engineered stone slabs or tiles. The Numero Uno 4-1/2" and 5" blades are designed for porcelain and ceramic tiles, which can be used in either wet or dry cutting applications.

Can I cut Onyx with the Alpha® Numero Uno blade?

No. We don't recommend cutting Onyx using our Numero Uno blades due to the aggressive cutting action, diamond grit size and turbo rim style of these blades. We recommend the Alpha® Vetro blade designed for the glass application for cutting Onyx. It has a continuous rim with finer diamonds to minimize the chipping of the edge.

Can I use the Alpha® Numero Uno blade for dry applications?

Yes and No. The Numero Uno 4-1/2" and 5" blade can be used either wet or dry, since the diamond matrix is designed for use on hand power tools such as our Alpha® AWS-110 or AWS-125 and high-speed angle grinders. However, the larger Numero Uno blades must be used in wet at all times.

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.

Can I use this blade for cutting metallic glazed porcelain?

No. Alpha® recommends using the Alpha® Metalgres tile blade which is specifically designed for cutting metallic material.

What is the maximum RPM at which I can use the Alpha® Numero Uno blades?

See the chart on page 1.

What is the arbor size of the Numero Uno blades?

See the chart on page 1.

Helpful Hints

- Do not force the blade to cut. Allow the diamonds to perform cutting through the material. Slower cutting helps eliminate chipping on the cut edge.
- For thick material (3cm or 1-1/4") step-cutting is highly recommended.
- Wet cutting is required for the larger blade sizes (6", 8" and 10").
- Take appropriate steps to assure personal safety when performing any cutting application.
- Review operations manual of the power tool to assure proper usage.

Reference

For more product information, visit us on the web at www.alpha-tools.com.