

Technical Notes

Typhoon

Alpha® Typhoon is a proven performer that is great for cutting marble and ceramic tiles quickly and efficiently with tub or tile saws. Tile contractors and installers depend upon the performance and reliability of Alpha® Typhoon. Professional tile installers will appreciate the Alpha® Typhoon; a premium diamond blade at a reasonable price. Designed for smooth, chip-free cutting, its heavy-duty and well-balanced construction provides a long life. Alpha® Typhoon will hold up to the rigors commonly associated with heavy-duty workloads on marble and ceramic tile. This blade is cost-effective by reducing waste and providing smooth cuts. Alpha® Typhoon is a breeze for cutting marble and ceramic tile.

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Part No.	Size	Maximum RPM	Arbor
DT06A+	6"	10,100	5/8"
DT08A+	8"	7,400	5/8"
DT10A+	10"	5,900	5/8"

How to Use

Attach the Alpha® Typhoon blade onto your tub saw or tile saw making sure that the blade's directional arrows match the spindle rotation of your power tool. Adjust the depth of your cut; generally, if the blade is 1/8" below the material you are cutting, this is sufficient. Make sure your saw has an ample supply of water for cooling the blade during the application. Turn on power and slowly push the blade into the material, maintaining a consistent slow traverse speed until you cut through the entire piece of material. A slow consistent pushing motion allows 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?

Blade directional arrows are printed on the front of the blade. Install the blade so that the rotation of 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® Typhoon blade?

The Alpha® Typhoon tile blade is designed as a premium blade for ceramic, marble, and slate tiles.

Can I use this blade for dry application?

No. Wet cutting diamond blades must be used with water to prevent excessive heat build-up during cutting. Using water on the blade also reduces dust and helps enhance 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 speeds of my cuts are 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. After you re-dress the blade you will notice the blade's performance has improved since the diamonds are fully exposed once again.

What is the maximum RPM at which I can run the Typhoon blades?

See chart on Page 1.

Can I use the Alpha® Typhoon tile saw blades on a portable rail saw?

No. The Alpha® Typhoon tile saw blades are engineered for use on tub & tile saws. Using a rail saw changes the concept of the blade's cutting ability and most likely will stop cutting after a short period of time. The concept of rail saws is to pull the blade into the material you are cutting; while tub & tile saws concept is pushing the material into the blade. The Alpha® Typhoon blade is designed for the pushing concept.

What is the arbor size of the Alpha® Typhoon blades?

6" (5/8"), 8" (5/8") and 10" (5/8")

What is the maximum blade cutting depth of the Alpha® Typhoon blades?

6"- (1-3/4"), 8"- (2-3/4") and 10"- (3-3/4"). To assure longer life out of a blade, we recommend using the step-cutting method for cutting thick pieces of stone. The step-cutting method is when you make 3 or more passes, each time slightly increasing the depth, in order to cut through a thick piece of stone instead of making a single pass. This will enhance the life of your blade and reduce the risk of overheating it. Blades are forced to work much harder when cutting is preformed in a single pass.

Helpful Hints

- 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 for tub saw/tile saw applications.
- 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.