

## Contour Blade

Specialty blade for granite sink hole cutting.

Pg 1 – How to Use

Pg 1 – 2 Common Questions

Pg 3 – Helpful Hints



The new *Alpha Curve Cutting Blade* is specially designed for cutting granite sink holes where any curved cutting application is required. The *Alpha Curved Cutting Blade* has a saucer shape (type 28) with diamond segments on the peripheral edge and the convex side of the steel core to protect the blade from undercutting during the curved cutting operation. Diamond segments on the convex side of the steel core widen the kerf, which provides the extra clearance that makes curved cutting operations easier. Since you can now cut along your mark accurately, you have less excess material to remove after the cutting operation. The *Alpha Curved Cutting Blade* fits on most popular electric angle grinders and provides convenience, safety and quick curved cutting operation.

## HOW TO USE

1. Attach the *Alpha Curve Cutting Blade* to your angle grinder with the flange and lock nut provided by the manufacturer.
2. Score along the mark on the surface of stone.
3. Step cut back and forth along the scored mark until blade cuts through to the bottom of stone.  
(Refer to photos below to understand angles of blade during the cutting operation.)

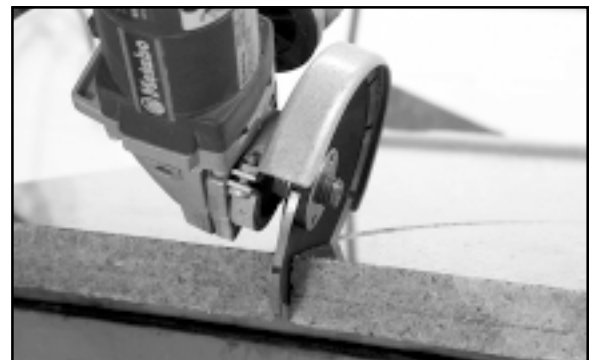
## COMMON QUESTIONS

### Can I cut straight using the Alpha Curve Cutting Blade?

No you can not cut straight using *Alpha Curve Cutting Blade* since this blade is designed to cut curves only. You have to change blade to a regular flat blade (Type 1) to cut straight line. We recommend *Alpha Plus* blade for straight cutting applications.

### Can I cut Marbles or limestones?

Yes you can cut most types of hard marbles and limestones. However you can not cut soft granular marble due to sugar like composition.



## **Do I need water while cutting?**

Although this blade is designed for dry applications, water enhances the performance, the life of blade and reduces the dust. We recommend using Ground Fault Circuit Interrupter and proper personal safety equipment during wet application.

## **Which diameter shall I choose to cut 1-1/4" slabs?**

4" and 4-1/2" are designed to cut 3/4" slabs therefore you need 5" diameter for 1-1/4" slabs.

## **Can I plunge cut?**

Technically you can plunge cut using *Alpha Curve Cutting Blade* if you apply proper technique. However, due to the safety concerns, we do not recommend plunge cut technique.

## **What kind of tool can I use the Contour Blade with?**

The Alpha Contour Blades can be used on hand held grinders or small circular saws that fit into the following specifications:

1. The tool should have a minimum RPM rating of 9000 RPMs.
2. The Alpha Contour Blade fits securely on the arbor shaft without modification.
3. The Alpha Contour Blade has proper clearance around the safety guard.
4. The tool should have sufficient amperage to provide enough power to the tool in order to sustain high speed cutting ability. Amperage ratings above 7 Amps usually are sufficient.

## **My Contour Blade seems to be cutting very smoothly at first. As I get deeper into the cut, it will jam or get caught in the groove. What causes this and how can I prevent it?**

If you are using it dry, we would recommend that you use water as a first step. Next, you should check the amperage on the tool. If it is less than 7 amps, then the tool does not have enough power to maintain proper torque on the blade during cutting. The Alpha Contour Blade is unique and has side protection segments on both sides of the blade. The side protection segments perform a cutting action which widens the kerf of the cut in order for the blade to pass through the groove easily. This creates more drag on the blade which in turn requires higher torque to maintain proper cutting speed. Avoid tools that have low amp ratings (I.E.: 4.8 amps or 5.5 amps).

## **What is the 6" Alpha Contour Blade used for?**

The 6" Alpha Contour Blade was designed for used with CNC Controlled Machinery such as the Park Odessey or similar machinery.

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## **HELPFUL HINTS**

1. Before you start using this product, we recommend practicing to learn necessary techniques required for the curve cutting application, for your safety and successful results.
2. Due to the manual operation, we recommend cutting 1/8" inside of mark to ensure good result.
3. When you attempt tight corners, you must take the time to grind a wider kerf to make enough clearance for the blade.
4. To avoid dropping the cut out on your feet, always secure the projected cut out area before starting cutting operation.
5. For your safety, choose correct blade diameter for your electric angle grinder and use the proper safety guard in place during the operation.
6. Always wear personal safety equipment when using Alpha Contour Blade.