

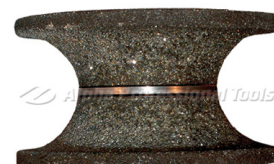
Technical Notes

Vacuum Brazed Router Bits

Alpha Professional Tools® has added a new line of Router Bits, the Alpha® Vacuum Brazed Router Bits for the fabricators who wish to speed up the profiling process. These new Router Bits grinds in almost half the time of sintered bond router bits. Since these Router Bits never loose their shape, it can be use to correct the profile made by a worn out sintered bond router bit. It includes two Position #1 bits in the most popular profiles: a Full Bullnose and a Demi-Bullnose for 3cm material. Alpha® Vacuum Brazed Router Bits are equipped with a rotary touchier, which sets the depth of cut by riding along the edge of the stone, to eliminate any guesswork. The vacuumed brazed technology is specifically designed to provide extended life for use on granites of all hardness and all brands of engineered stone and quartz surfaces. These bits are versatile and will perform well, when used with water, on all brands of routers with speeds ranging from 5,000 to 11,000 RPM. Alpha® Vacuum Brazed Router Bits are consistent performers, easy to use, which makes them the best bits on the market!

Sections:

- How to Use
- Frequently Asked Questions (FAQs)
- Helpful Hints
- Reference



Part No.	Thickness	Maximum RPM	Shape	Description
RBV30V	3cm, 1-1/4"	11,000	V	Position #1 - Full-Bullnose
RBV30B	3cm, 1-1/4"	11,000	B	osition #1 - Demi-Bullnos
RBV40V	4cm, 1-1/2"	11,000	V	Position #1 - Full-Bullnose

How to Use

Cut the workpiece to size

Attach the Alpha® Vacuum Brazed Router Bit onto your portable router.

Adjust the height of the router bit to desired position for edge you are creating.

Adjust the water spray nozzles to assure that proper lubrication coolant is being supplied to the router bit.

Start your project.

Always refer to the owner's manual for proper usage and attachment of accessories onto the power tool.

Frequently Asked Questions (FAQs)

What materials can I use the Alpha® Vacuum Brazed Router Bits on?

The Router Bits can be used on various materials such as granite, engineered stone and quartz surfaces.

What shapes are offered for the Vacuum Brazed Router Bits and for what thickness material?

Alpha® Router Bits are available for the following in Position #1 only:

3cm – Full Bullnose

3cm – Demi-bullnose

4cm – Demi-bullnose

What is the minimum and maximum RPM at which I can use the Alpha® Vacuum Brazed Router Bits?

Alpha® Router Bits should not be used lower then 5,000 RPM and not to exceed 11,000 RPM. Router bits used at a higher RPM range will grind the material quicker than one at a lower RPM range.

Does Alpha® provide threaded screws for securing the router bit onto the router?

Yes. We provide two screws with every router bit. The 8mm threaded with a 10mm shoulder bolt and a 10mm threaded bolt. These are the two most common thread sizes for routers available today.

What is the difference between “Vacuumed Brazed” and “Sintered Bond” router bits?

Vacuum Brazed router bits have the diamonds attached to the outside of the router bit body. They will never change their shape. The Alpha® Vacuum Brazed Router Bits have been proven to grind in half the time of sintered bond router bits in most cases. Sintered Bond router bits are molded into shape and have the diamonds within the matrix of the wheel. After using these sintered router bits for long periods of time, the shape of this sintered bond wheel will change.

My sintered bond router bit lost its shape, how can I achieve longer life from this wheel?

I would suggest using the Alpha® Vacuum Brazed router bit as a position #2 wheel, once you realize your sintered bond router bit lost its shape. Since these Vacuumed Brazed Router Bits will not change their profile, you can use it to correct the profile after you have removed the majority of the stone by the worn down Sintered Bond Router Bit. It is not necessary to throw away the Sintered Bond Router Bit that has lost its profile as it may still have some life.

Can I use the Alpha® Vacuum Brazed Router Bits Dry?

No. The Router Bits are designed for wet applications only.

How does the Alpha® Vacuum Brazed Router Bits give you a straight line across the surface of the material?

The ball bearing/rotary touchier within the Alpha® Router Bits controls the depth of grinding during the application to ensure the final profiled edge will be straight. Note: Profiling is complete when you no longer hear grinding noises and the runoff water is clear.

What is the life expectancy of the Alpha® Vacuum Brazed Router Bits?

Life of both styles of Alpha® Router Bits will differ when used on different classifications of granite hardness. Our Router Bits achieve a very long life and have fast grinding action. Vacuum Brazed diamonds give you an aggressive grinding action, and longevity without having the shape of profile changed.

Helpful Hints

- Alpha® Vacuum Brazed Router Bits are WET USE ONLY.
- When changing router bits on your router, always test on a scrap piece of material to assure wheel is adjusted properly for the edge design you are going to grind.
- Vacuum Brazed Router Bits can be used as position #2 when your sintered bond router bit loses its shape.
- If Alpha® doesn't carry the profile you wish to create, please contact us for consideration to expand the product line of router bits.

Reference

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