

Technical Notes

Profiler B-Series

For years, Alpha® has had great success with our Alpha® Marble Profile Wheel. Alpha® recognizes there is a need for a wheel for use on granite. As a result, we are proud to introduce the Alpha® Profiler B-Series, designed to produce 3/16", 3/8", 1/2" or 3/4" roundover on granite, marble, engineered stone and porcelain tile and slab. Making use of the latest vacuum brazed technology and utilizing diamonds best suited for harder materials, Alpha® created this wet-cutting wheel. Equipped with a 5/8"-11 female thread and internal water passage holes, the Alpha® Profiler B-Series will fit the AIR-658, AWP-158, VSP-110 and other brands of center water-feed polishers. The nylon guide slides along the surface and the rotary touchier controls the depth of cut to make this tool nearly "goof-proof". An operator with little or no fabrication skills can easily create a perfect roundover on tile or slab. Designed with the tile contractor in mind, slab fabricators will also value the benefits of using the Alpha® Profiler B-Series. Use this wheel to create a perfect roundover edge treatment and polish it with Ceramica EX for a superior professional finish.

Sections:

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



| Part No. | Size | Maximum RPM | Arbor | Shape |
|----------|---------------|-------------|------------------|---------------|
| PFB051 | 3/16" (0.5cm) | 3,500 | 5/8"-11 Threaded | Demi-Bullnose |
| PFB101 | 3/8" (1cm) | 3,500 | 5/8"-11 Threaded | Demi-Bullnose |
| PFB131 | 1/2" (1.3cm) | 3,500 | 5/8"-11 Threaded | Demi-Bullnose |
| PFB201 | 3/4" (2cm) | 3,500 | 5/8"-11 Threaded | Demi-Bullnose |

How to Use

Press nylon guide down firmly on top of material and turn on polisher. Always apply sufficient downward pressure to prevent nylon guide from spinning. (Nylon Guide should not "Spin Freely" during operation). The purpose of the nylon guide is to ensure the Alpha® Profiler remains at the proper height so the profiled edge remains straight. The ball bearing/rotary touchier within the Alpha® Profiler will control the depth of the grinding action to ensure that the profiled edge remains straight and consistent. The application is complete when the operator no longer hears a grinding noise, and the run-off water is clear.

Frequently Asked Questions (FAQs)

What materials can the Alpha® Profilers be used on?

The Alpha® Profilers may be used on the following materials: Granite, Engineered Stone, Porcelain, Marble and Limestone.

Is the Alpha® Profiler used wet or dry?

All Alpha® Profilers are to be used for wet applications only.

Can I use the Alpha® Profilers on a high-speed grinder?

No. Alpha® Profilers may not be used on high-speed grinders due to high RPM speed and no internal water-feed supply. The maximum RPM for the Profilers is 3,500 RPM and our Profiling Wheels are designed for low RPM wet polishers such as the Alpha® pneumatic polisher (AIR-658) and our Alpha® electric water-feed polisher (AWP-158 & VSP-110) which have the optimum RPM range for using the Profilers. Also, an external water-feed system is not recommended since this will not distribute water evenly onto the Profiler during profiling applications.

What applications are the Alpha® Profilers recommended for?

Alpha® Profiler B-Series - 3/16", 3/8" and 3/4":

- 3/16" (PFB051) is designed to ease the edge of 3/8" tiles, 2cm and 3cm slabs, under mount sinks.
- 3/8" (PFB101) is designed to create a round over on 3/8" tiles, 2cm and 3cm slabs, under mount sinks.
- 1/2" (PFB131) is designed for large foot print 1/2" thick floor tile application.
- 3/4" (PFB201) is designed for creating round over on 2cm and 3cm slabs.

How does the Profiler give you a straight line across surface of material?

The ball bearing/rotary touchier within the Alpha® Profiler controls the depth of grinding during application to ensure the final profiled edge will be straight. NOTE: Profiling is complete when the operator no longer hears a grinding noise and when the run-off water is clear.

Can I purchase this nylon guide separately and replace my old worn out guide?

Yes, you may purchase this nylon guide through the Authorized Distributor of Alpha® Products where you purchased your Alpha® Profiler. The part # for this nylon guide is: PFBNG01.

What keeps the Profiler from dipping?

The nylon guide will keep the Profiler from dipping during application. Pressing the nylon guide down firmly on the top of the material while having the operator keep this guide flat and level to the surface of the stone, will ensure that the Profiler will not dip during application.

What is the life expectancy of the Alpha® Profiler?

The life of the Profiling Wheel will vary depending on the different classifications of granite hardness. Our Profilers achieve very long life and have fast grinding action due to the "Vacuum Brazed Technology". Vacuum Brazed diamonds give you aggressive grinding action and longevity, without losing the shape of the profile, unlike Direct Sintered profilers on the market.

Can Alpha® Profilers be used on concrete?

The Alpha® Profilers can be used on concrete; however; due to the abrasive nature of concrete, life of the wheel will be extremely short.

Can I use the Alpha® Profilers on a Park Industries Wizard/Deluxe machine?

Yes, the Alpha® Profilers can be used on these machines since the spindles are 5/8"-11 threaded. The maximum RPM range for the main spindles on these machines is 3,500.

Helpful Hints

- Use of a C-Shape handle is recommended for this application. Alpha® Profilers are WET USE ONLY for LOW-SPEED applications. Do not allow the nylon guide to free-spin during application as scratches on the surface of material may occur from slurry residue. The Alpha Professional Tools® logo on the nylon guide should be clearly displayed during profiling application when using the Alpha® Profiler correctly.
- Use plenty of water during application. Use of water will flush away excess slurry from surface.
- For proper use of the Alpha® Profilers, see attached "How To Use".

Reference

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