

Technical Notes

Profiler V-Series

Whether you are working with granite, engineered stone, porcelain, marble or limestone and you need to deal with the variety of thicknesses that is inherent in all stone slabs. Although the slab has a specified thickness, such as 1-1/4" (3cm), the nature of the material does not always cut to exact specifications. To piece together long slabs for counter tops that are not uniform in thickness, is a difficult task for any fabricator. In the past, the fabricator would have to calibrate the thicker slab to match the other slabs being used. Not any more! Introducing the Alpha® Profiler V-Series. A unique wet wheel designed for bullnose edge profiling that will eliminate the time-consuming calibration process. Our patent pending design shapes a professional looking bullnose edge in no time. The Alpha® Profiler V-Series will work on all popular water-fed polishers. You do not need to be a big fabricator to produce a big job! Just choose the Alpha® Profiler V-Series.

Sections:

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



Part No.	Size	Maximum RPM	Arbor	Shape
PFV301	1-1/4" (3cm)	3,500	5/8"-11 Threaded	Full Bullnose
PFV401	1-1/2" (4cm)	3,500	5/8"-11 Threaded	Full 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 V-Series:

- V-30 and V-40 are designed for bullnose edge profiling on 3cm or 4cm material.
- V-30 (PFV301) is designed for 3cm or 1-1/4" material.
- V-40 (PFV401) is designed for 4cm or 1-1/2" material

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 assure 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.