

Edge Tuning Basics

Modern shape skis and snowboard edges need to be sharp and “tuned” for optimum performance. EdgeTune™ makes this quick and easy in just a few steps:

- 1) Determine the base edge and side edge bevel angles. Manufacturer specs are typically $\frac{1}{2}^\circ$ to 1° base, 1° to 2° side. Check our web site for more info, or ask your local ski shop. (Most recreational skiers/riders use a 1° base & side angle).
- 2) Sharpen the edges based on condition & use (typically twice a season for the average skier/rider)-more often if the edges are damaged or dull (common with icy or rocky slopes). Grinding the side edge only will re-sharpen the entire edge.
- 3) Polish and de-burr the edges with the gummi stone. Simply rub the stone tip to tail along the edge, holding the stone flat. The gummi stone will also remove light rust.
- 4) De-tune the edges at the tip and tail (approx. 3” where the ski/board makes initial contact with the snow) by rubbing the gummi stone at a 45° angle. This breaks the sharp edge and prevents “catching an edge.”(Not required on short shape skis).
- 5) Wax the base with GlideWax; swirl on w/ applicator and wipe.

Tool Set-up (fig.1)

This EdgeTune™ guide bracket fits Dremel® MultiPro™ (Craftsman®) and Black&Decker® RTX™ rotary tools.

- 1) Unscrew the plastic nut on the end of the rotary tool.
- 2) Screw on the bracket approx. 2 turns (do not fully tighten).
- 3) Insert the ceramic stone into the rotary tool ($\frac{1}{8}$ ” collet), set height above the bracket base surface and tighten.
- 4) Dress the stone for squareness and balance by turning on the rotary tool and holding the dressing stone flat on the guide bracket. Apply light pressure to the ceramic stone for a few seconds. Re-dress when wear is visible (wax buildup is OK).
- 5) The guide bracket comes pre-assembled with 1° bevel angle. Simply peel off or add the re-usable glide strips as required. Store additional strips on the opposite side of the bracket.

Side Edge Grinding (fig. 2)

EdgeTune™ provides best results with a flat ski/board base surface.

- 1) Clamp or secure the ski/board. Any movement could cause an uneven or gouged edge.
- 2) For skis, install the ski brake holders by slipping the bands over the ends of the brake levers and across the top of the binding.
- 3) Set the ceramic stone height as shown in fig. 2. Vary height on subsequent grinds as required to minimize re-dressing stone.
- 4) **PUT ON SAFETY GLASSES.**
- 5) Turn on the rotary tool. Hold the bracket flat on the ski/board base and apply slight inward pressure to lightly engage the ceramic stone against the side edge. It is recommended you practice first on older boards to get the “feel” of the tool.
- 6) Slowly (approx.6”/sec) pass the tool down the length of the ski/board in the direction of the bracket label arrow. Use a steady hand motion. Let the tool do the work; do not use force! 1 or 2 passes are generally all that is required (unless there is excessive rust). More passes will wear down your edges faster.

Base Edge Grinding (fig. 3)

Minimize the quantity of base edge grinds, as this can affect the overall ski/board base flatness. The procedure is the same as Side Edge Grinding except:

- 1) Set the ceramic stone height flush (even) with the bracket base surface as shown in fig. 3 (the top of the grinding stone makes contact with the base edge). On Dremel® tools insert the stone all they way into the collet and tighten. Adjust height by screwing the tool in or out of the bracket as required.
- 2) Turn on the rotary tool, apply inward pressure compressing the guide springs, and pass the tool down the ski/board. If no edge material is ground, tighten the rotary tool in the bracket slightly and make another pass (this provides a precise height adjustment). Repeat as necessary for desired material removal.
- 3) Finish by polishing and waxing (see Edge Tuning Basics).

Replacement Parts

The following parts are available @ www.edgetune.com.

<u>Description</u>	<u>Part Number</u>	<u>Price</u>
Ceramic stones	ET-201	\$10.00 (qty 3)
Dressing stone	ET-210	\$ 4.00
Gummi Stone	ET-301	\$ 6.00
½ ° Bevel strips	ET-401	\$ 2.00 (qty 10)
Ski brake bands	ET-501	\$ 2.00 (qty 4)
Glide wax	ET-601	\$10.00
Safety glasses	ET-701	\$ 5.00

Warranty

For the terms and conditions of EdgeTune, Inc.'s limited warranty, warranty disclaimer and limitation of liability, please refer to the warranty card enclosed in the box. These terms and conditions are also posted on our website, www.edgetune.com.

EdgeTune, Inc. is not affiliated with either Black&Decker® or Dremel®. All rotary tool product warranty claims must follow their guidelines. EdgeTune, Inc. does not offer any warranty of their products or accessories, and is not liable for any claims due to "unauthorized attachments" or other rotary tool accidents. Black&Decker® and RTX™ is a registered trademark of Black & Decker Corp. Dremel® and MultiPro™ are registered trademarks of The Dremel Corp.

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Made in USA

Patent Pending

EdgeTune™ Instructions

Do it Yourself Professional Results



Fig.1 Tool Set-up



Fig.2 Side Edge Grind



Fig.3 Base Edge Grind

Congratulations on the purchase of this quality product. Read ALL instructions first before attempting to sharpen your ski or snowboard edges. EdgeTune, Inc. is not responsible for any ski/snowboard damage or any personal injury. Always wear eye protection, and follow manufacturer's instructions.

PLEASE BE SAFE

Kit Contents

- Aluminum guide bracket assembly
- 3 Ceramic grinding stones
- Dressing stone (for cleaning/dressing ceramic stones)
- Gummi stone (for polishing & de-burring edges)
- GlideWax
- 4 Ski brake holding bands
- 10 ½° Bevel angle glide strips (= up to 5° bevel angle)
- Safety glasses

