

## Edge Tuning Basics

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

- 1) Determine the side edge bevel angle. Manufacturer specs are typically 1° to 3°. (Most recreational skiers/riders use a 1° side bevel angle; racers @ 2-3° which provides more grip).
- 2) Sharpen the side edges based on condition and use. For racers, typically before every race. For serious recreational skiers/riders, once every 3-5 outings (more often on hard packed snow & ice). Flat base grinds should last a season unless damage occurs. Touch up base edges with a hand stone.
- 3) Polish and de-burr the edges with the gummi stone. Simply rub the stone tip to tail along the base edge, holding the stone flat.
- 4) Wax the base *and* side edges. For recreational use, the universal fluorinated Glide Wax included works well.

## Tool Set-up (see fig.1)

The **EdgeTune™ Pro** guide bracket fits Dremel® MultiPro™ (Craftsman) and Black&Decker® RTX™ rotary tools. Note; see [www.EdgeTune.com](http://www.EdgeTune.com) for short video instructions.

- 1) Unscrew the plastic nut on the end of the rotary tool.
- 2) Insert a ceramic grinding stone all the way into the rotary tool (1/8” collet). Put on safety glasses! Turn on rotary tool and dress the ceramic stone with the grey dressing stone.
- 3) Screw on the guide bracket approx. 2 turns. Place the tool on the side edge. Screw/unscrew the adjusters slightly, so the ceramic stone just contacts with the edge square. Tighten the rear adjuster ½ turn, and then loosen the front adjuster slightly (with thumb and forefinger) for a precise grind depth. This tilts the tool for a leading edge grind. See insert for hollow grinds.
- 4) The guide bracket comes pre-assembled with a 1° bevel angle, comprising a ½° brass strip and a ½° adhesive glide strip. Add more glide strips as required (2 strips equals 1°). Use additional brass base strips to store different bevel angles.

## Side Edge Grinding (see fig. 2)

**EdgeTune™ Pro** will provide the best results with a flat base and a smooth sidewall (320 grit sandpaper)

- 1) Clamp or secure the ski/board. Any movement could cause an uneven edge. Practice will help.
- 2) For skis, install ski brake holders by slipping the bands over the ends of the brake levers and across the top of the binding.
- 3) For adjustable speed rotary tools, 30-35,000 RPM works best.
- 4) PUT ON SAFETY GLASSES
- 5) Turn on the rotary tool. Place the bracket flat against the ski/board base and apply slight downward pressure to lightly engage the ceramic stone against the side edge. Adjust front screw grind height with thumb and forefinger.
- 6) Slowly guide the tool down the length of the ski/board in the direction of the bracket label arrow. Keep the tool vertical and use a steady hand motion. Let the tool do the work; do not use force. 1 to 2 passes are generally all that are required. More passes will wear down edges faster. Use the marking pen to highlight full edge grinding clean-up.
- 7) Finish by polishing all edge surfaces with the gummi stone.

## Grinding Tips

- 1) Side edge grinding will sharpen the entire edge. Base edge grinds should be minimized, as this can affect the overall ski/board base flatness.
- 2) Dress the ceramic stone top surface when there is excessive build-up (typically after 5-10 grinds). Kiss the top leading edge for a smoother grind.
- 3) The marking pen will also show changes in bevel angle. For example, if the side edge bevel was 1° and the tool was set at 2°, the 1<sup>st</sup> pass will leave a line of marking pen approx. half the edge width, indicating another pass is required to achieve full edge clean-up.
- 4) Racers; for outstanding edge surface polish, try placing a dab of valve grinding compound on the top of the ceramic stone.

# Replacement Parts

The following parts are available at [www.edgetune.com](http://www.edgetune.com)

<u>Description</u>	<u>Part Number</u>	<u>Price</u>
Ceramic stone	ET-201	\$10.00 (qty 3)
Dressing stone	ET-210	\$ 4.00
Gummi stone	ET-301	\$ 6.00
½ ° Bevel strips (w/ 2 brass strips)	ET-401	\$ 2.00 (qty 10)
Ski brake bands	ET-501	\$ 2.00 (qty 4)
Glide wax	ET-601	\$10.00

## Warranty

For the terms and conditions of EdgeTune, Inc's limited warranty, warranty disclaimer and limitation of liability, please refer to the yellow warranty card enclosed in the box. These terms and conditions are also posted on our website, [www.edgetune.com](http://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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# EdgeTune™ Pro

## Instructions

*Do it Yourself Professional Results*



Figure 1: Tool Set-up



Figure 2: Side 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



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