

# Edge Tuning Basics

Modern shape skis and snowboard edges need to be sharp and “tuned” for optimum performance. **EdgeTune™ Pro II** 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 1-2° 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.
- 3) De-burr and polish the edges with a diamond/gummi stone. Simply rub the stone tip to tail along the base edge, holding the stone flat. The gummi stone also removes light rust.

## Tool Set-up

The **EdgeTune™ Pro II** 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), and tighten with wrench.
- 3) Screw rotary tool all the way onto bracket tight. 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 slightly for a leading edge grind***, preventing stone “smearing” or burnishing and work hardening.
- 4) The guide bracket is factory set at 2° side bevel angle. To change the angle, loosen screws and move the screw/bearing asm to the upper (3°) or lower (1°) holes.

# Side Edge Grinding

**EdgeTune™ Pro II** will provide the best results with a flat base

- 1) Clamp or secure the ski/board. Any movement could cause an uneven edge. Practice will help. Get a comfortable grip.
- 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, 25-35,000 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. ***OK to use shorter strokes, just like a file.*** Let the tool do the work; do not use force. 1 to 2 passes are generally all that are required. Use the marker pen to show full edge clean-up.
- 7) De-burr the base edge with the fine diamond (red) stone. Hold the stone flat against the edge and lightly pass until it glides smoothly.
- 8) Finish by polishing the base edge with the gummi (tan) stone.

## Grinding Tips

- 1) Side edge grinding will sharpen the entire edge. Base edge sharpening should be minimized, as this can reduce snow contact and edge control.
- 2) Dress the ceramic stone as required by holding the dressing stone flat across the entire top. Wear safety glasses.
- 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 1st 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 #</u>	<u>Price</u>
Ceramic stones	ET-201	\$15 (qty 3)
Dressing stone	ET-210	\$ 4
Diamond/ gummi stone asm	ET-302	\$20
Ski brake bands	ET-501	\$ 2 (qty 4)

## 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)

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### EdgeTune, Inc.

201 Summergate Circle  
Chapel Hill, NC 27516  
E-mail: [service@edgetune.com](mailto:service@edgetune.com)  
Internet: [www.edgetune.com](http://www.edgetune.com)

Made in USA  
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# EdgeTune™ Pro II

## Instructions

**Do it Yourself Professional Results**



EdgeTune Pro II Assembly

**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 Diamond/gummi stone asm (for de-burr/polishing)
- 4 Ski brake holding bands
- Safety glasses
- Edge clean-up marking pen