

EdgeTune™ Pro

Hollow Ground Radius Edge Information

New for 2011-2012 season, EdgeTune, Inc. has developed an optional hollow grind feature allowing the ski/board side edge to be ground with a slight radius (hollow) similar to ice skates, knives and other very sharp edges. Fig 1 shows a standard edge cross section with today's 3° side bevel angle shown (not to scale). Fig 2 shows that same 3° side bevel angle with a new 1 ½ inch radius EdgeTune Pro hollow grind (not to scale).



Benefits of a hollow ground edge

- 1) The sharpest edge possible due to the acute geometry
- 2) Point contact for greater carving control (like ice skates)
- 3) Fastest edge due to reduced contact area, plus a hollow which traps ice, turning it to water to lubricate the side (like Olympic speed skaters)
- 4) Easiest edge to re-sharpen. Fig 3 shows a hollow ground chisel that has been honed numerous times, showing the reduced area required to re-sharpen



Fig. 3 Hollow Ground Chisel re-sharpened by Honing only

High end racers/World Cup tuners take advantage of the hollow by sharpening only with a wet stone hone, without the need to re-sharpen the entire side as in Fig. 1. This saves precious edge material, and produces a razor sharp edge quickly and easily every time!

Tool set-up is to simply tighten the rear adjuster screw and loosen the front screw for tilt.