

REVOLUTIONIZING SKI MAINTENANCE



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DIAMOND CUT SKI GRINDER
by Boardworks Gear Lab

Introducing the DIAMOND CUT SKI GRINDER

by Boardworks Gear Lab

Save Time - Save Money!

- Increases customer satisfaction,
- Increases productivity,
- Increases workmanship quality,
- Saves valuable shop space,
- Plug and go set-up,
- Requires minimal training,
- Low maintenance costs,



Diamond Cut
Traditional Stone

TECHNICAL DATA	Diamond Cut Ski Grinder
POWER	0.75 Hp
VOLTAGE	115 V / 60 Hz
DIAMOND CYLINDER DIMENSIONS	200 X 150 @ 25.4 mm Bore. 8 x 6 @ 1" Bore
ABRASIVE GRIT	Electroplated Synthetic Diamond @ 120
TANK CAPACITY	10 L / 2.5 gal
LENGTH	743 mm / 29.5"
WIDTH	413 mm / 16.25"
HEIGHT	305 mm / 12"
WEIGHT (EMPTY)	39.9 Kg / 88 Lbs
CERTIFICATIONS	UL CE

Features:

- Long lasting diamond technology,
- Requires minimal shop space,
- No special electrical setup,
- Easy manual operation,
- Low maintenance,
- Portable and Affordable!

The **Diamond Cut Ski Grinder** is a revolutionary tool designed for ski maintenance and tuning. Unlike traditional grinders in the market, which are large, require special electrical setup, and have high maintenance costs, our grinder offers a compact and portable solution. It is specifically designed for smaller ski and rental shops and individual skiers who value convenience and affordability.

The grinder utilizes a diamond-cutting system, which ensures precise and consistent base tuning. It removes burrs, nicks, and imperfections, restoring the ski's base to its original condition, improving control, manoeuverability, and overall performance on the slopes.

With its compact size and simple setup, the **Diamond Cut Ski Grinder** can be easily operated in any workshop or even brought to on-site locations for ski tuning services.

With its user-friendly design and low maintenance requirements, the **Diamond Cut Ski Grinder** is suitable for both individual skiers looking to maintain their personal equipment and smaller ski shops or rental businesses aiming to offer high quality ski tuning services to their customers.



COMMON QUESTIONS

DIAMOND CUT SKI GRINDER

"What does the pattern look like"?

The Diamond Cut Ski Grinder does not leave any pattern or 'structure' on the ski base.

"Does it leave structure"?

Nope. This grinder was **designed with the smaller rental shops and micro-shops in mind**. It was never intended to compete with the big boys. Adding structure to a ski requires auto-feed and speed control on the machine.

"Is there plans for a wider snowboard one"?

Short answer? No. A wider machine would almost double the price, and at that point, you could almost buy a used stone grinder. The Diamond Cut Ski Grinder was not designed to compete in that market.

"Does it give you any base angle"?

No. This is an entry level grinder. No bells or whistles.

"Is there a demo video available"?

Coming soon...

"Is there only one grit available"?

Yes. We supply the machine with a 120 grit grinding cylinder. We have tested 100, 120, 140, 180, and 200 grits and have determined the 120 to be the most universal. The higher grits are slow to remove material and do not open the pores for good wax adsorption.

"How does it cut fresh P-tex to get things level again"?

Typically, in our shop, we use a panzer file to remove the bulk of the high spots, then run the ski a few passes over the grinder.

"How long will a stone last"?

Well...we don't exactly know. We've been using one in our shop for three years now and it's still going strong. With proper use, care and cleaning it should last a very long time. **Diamonds are hard. Ski bases, not so much.**

"Is it water cooled"?

Yes and no. It has a cooling/lubricating fluid that is sprayed onto the grinding cylinder. We have tested about 20 different liquids and finally settled on a proprietary emulsion that we have created here at Boardworks. It is a **oil based liquid**. Natural or water-based waxes are not compatible unless you thoroughly clean the base, following grinding.

"What is the warranty"?

Boardworks Gear Lab inc. provides a **two-year warranty** on all parts, excluding consumables. If a part breaks or wears out prematurely due to no fault of your own, we will ship you a replacement part for free. It will be up to you to install the part.

"What about side edges"?

At this time, there is no side-edge attachment for this grinder.

"Does the machine run off 220 or a household 120 volt outlet"?

Just a regular North American 110 volt outlet. That's the beauty behind this grinder. You can plug it in anywhere! **No special electrical hookups, no phase converters, no electrician needed!** It draws under 7 amps on start-up and around 4 amps without load.

"What is the finish of the base edge after grinding"?

The base edge will be ground towards zero degrees and look/feel rough. You will need to restore the angle with your diamond file routine. **NOTE: For a 1° base bevel, you remove about 1/2 the thickness of a human hair.**

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