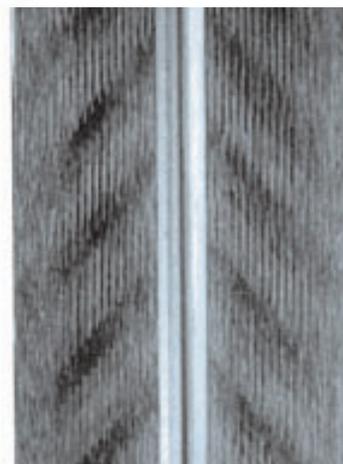


V2 Rilling Instructions



Interrupted Rillers, MEDIUM & COARSE

Linear Rillers, MEDIUM & COARSE



TAIL OF SKI

There is a common misconception that once your your skis are stone ground they are race ready by just waxing. According to one of the best ski tuners in the world, Lars Svensson, **rilling is more important than ever.** He told us that with the new finer stone grinds it's imperative to rill, unless you are skiing in cold new snow conditions. (Lars is the person who trained Zach Caldwell on the Tazzari.) Lars said that at the 2006 Olympics, skiers who had their skis rilled were so much faster he was rilling for everyone. According to Lars, without a riller a skier would need so many skis, and so many different grinds, it would be impossible to lug that many skis around. Lars also told us that he had tried every riller brand and found the V2 system to be the best. Jim Galanes told us the same thing. Jim said it was a rare occasion when the riller did not improve the speed of the skis.

There are four riller drums. Two interrupted patterns and two Linear patterns. Rilling can be done directly over steel scraped skis or over a stone ground pattern. For the rillers to work, the polyethylene base must be in good shape, not hard and oxidized. If the base is hard, steel scrape until you encounter softer polyethylene or have your skis stone ground. **Note!** In order for the V2 riller to work at it's optimum, you must have a very good ski form that supports the ski properly throughout the full length of the ski. Lars said this was the key to using the V2 riller. **Listed below are some general recommendations. Be creative and try your own combinations. You might end up with rocket fast skis.**

Snow Type	Snow Conditions	Air Temperature C.	Structure Tool
New Fallen	Fresh	-10 & Colder	Stone Grind, or Fine Steel Brush & Omni
	Fresh	-2 to - 10	Stone Grind or medium Steel Brush
	Glazing	-2 to +2	Medium Interrupted
	Wet	+2 to +10	Medium Interrupted
Fine Grained	Packed Powder	-10 & Colder	Stone Grind, or Fine Steel brush & Omni
	Packed Powder	0 to -10	Medium Interrupted
	Packed Powder	-2 to +2	Medium Interrupted
	Windblown	-2 to +2	Medium Interrupted
Coarse Grained	Hard Packed	-10 & Colder	Stone Grind Only
	Hard Packed	-2 to - 10	Medium Interrupted
	Sugary	-2 to +2	Coarse interrupted over Medium Linear
	Moist	0 to +5	Medium Interrupted over Medium Linear
	Saturated	+5 to +10	Coarse Interrupted over Coarse Linear
Man Made	Hard	-10 & Colder	Medium Interrupted
	Hard	-2 to -10	Med. Interrupted over Coarse Interrupted
	Sugary	-2 to +2	Medium Interrupted
	Moist	-1 to +5	Coarse Interrupted over Coarse Linear
	Saturated	+5 to +10	Coarse Interrupted over Coarse Linear

When rilling make sure the tool is squarely aligned, press the guide against the side of the ski and push down very hard as you roll the rilling tool down the ski. For deeper penetration of the rilling tool, heat the ski with an iron set at about 100C, then press the rills while the ski is warm. After you have rilled, brush the skis thoroughly. **Caution!** If the handles are threaded together too tightly, the drum will not roll freely. Just thread the two handles together so they are snug.

To remove the rills, hot scrape the ski using a plastic scraper and a soft wax such as STAR yellow Uniblock. Scrape while the ski is hot and the wax molten. If you left too much wax on the ski by not plastic scraping and brushing properly before rilling, the rill tool can get wax in the grooves of the drum. To clean the grooves in the rilling drum brush thoroughly with a fine nylon brush and or clean with Ecosol.