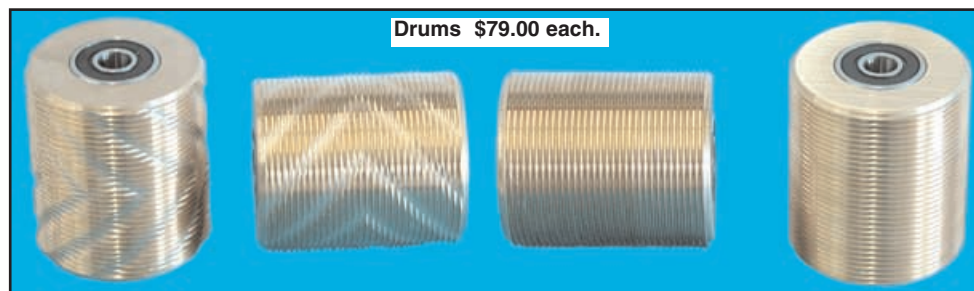
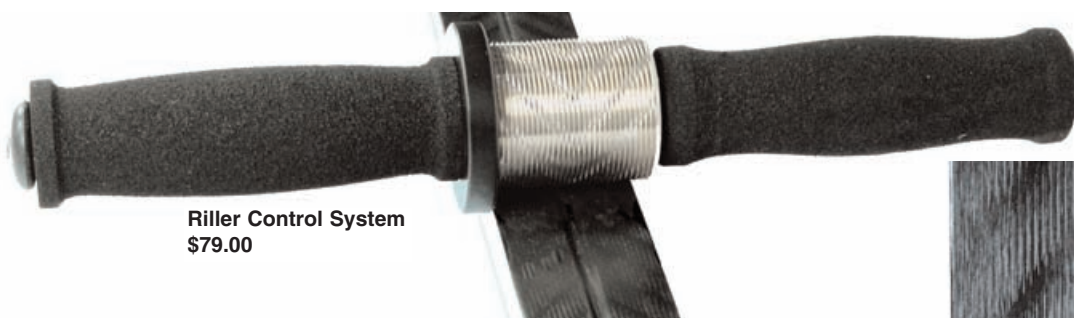
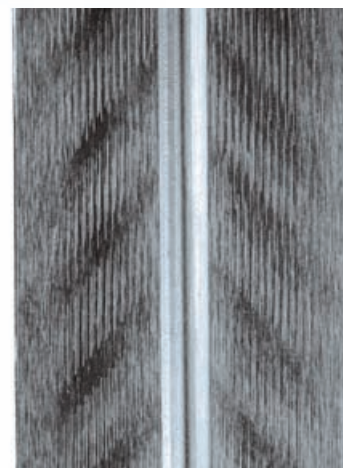


SKI TUNING TOOLS – V2 Riller System



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. The drums are 45 mm in diameter and weigh 500 grams (1.1 pounds) and are the largest and heaviest on the market. Rillers which cut the pattern into the ski base produce hairs and to remove the pattern the skis must be steel scraped or re ground. The V2 riller presses the pattern and the rills can be removed by hot waxing and plastic scraping the ski.

There are four riller drums. Two interrupted patterns and two Linear patterns. (We no longer make the Fine pattern as Lars said that with the new fine pattern stone grinds, it is not needed.) The handle and the drums are sold separately. Each drum has two ball bearings for precise control when rilling. 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

Sarah e mailed the following: "Conditions at Royal Gorge were not typical, so I did not need the big structure for slush. But, since I had the V2 riller I prepped an extra pair with the Medium interrupted structure. When I tested my skis race morning in the heavy new snow, this one ended up being the best, better than the Z40 grind and a European grind that I have found to be good in these conditions. Interesting! "

Sarah Konrad, National Champion and the best US skier at the 2005 World X-C Championships.