25th Year!
Technical Race Gear & BEAST Tuning Tools

RACE PLACE

Teegan Lowe – U19
Aspen Valley Ski Club
Colorado

November 2019–2020 Issue 25
Hi from Race Place - 25th Year

The Holmer family has a long history in the world of skiing. Ski Patrol, Ski Sales Rep, Owning Ski Shops, Beer League racing and our kids ski racing were all a part of family life. Ski racing captivated the family beginning in 1984 with Cami Anne and followed by Eric and Kelsey. We are so proud of their ski racing successes of winning Junior Olympics, State High School Championships, Nor-Ams and many other podiums. Coaching at many levels including Olympics and US Ski Team has been a way of them paying back after their race careers.

Junior Nationals brought us to Bend, Oregon in 1988 where we then started The Lift Ski Shop. After 6 years of traditional ski business we changed to specialize in alpine ski racing with Race Place.

The past 25 years has seen Race Place grow to be one of the largest specialists of ski racing gear in the World. Attaining that stature is partly the result of innovation with BEAST Tuning Tools and Wax. Stocking the largest selections of Race Suits, Race Skis, Race Pants, Race Wax and Tuning Tools has also contributed to our growth.

However, none of the success would be possible if we didn't have an extremely committed team to communicate with you and process your orders so you rapidly receive what you want and need. Our Team of 10 will process and ship every order the weekday the order is placed. On a busy day this may mean over 175 loyal customers will receive your desired new race gear in short order.

Thank You – to our Team of 10!
Thank You – to Thousands of Customers!

Teegan Lowe

Teegan is from Monroe, WA and the past 3 years she commuted 350 miles to Bend, OR for her MBSEF race team. With high school behind her, she is choosing a gap year with Aspen Valley Ski Club.

As a five time entrant in our cover contest, Teegan was struggling with what we are looking for in cover athletes. A couple examples she listed are:

Good citizenship - Teegan has been a great example and her coaches frequently asked her to mentor younger athletes.

Good academics - Despite missing over half the school year because of her commuting to Bend for training and an intensive schedule for races, Teegan still maintained a 3.75 GPA.

Financial need - This isn't listed in our criteria, but we do like to assist families with a ski racing passion that are helping their young athlete in reaching their goals. Teegan's Mom is a high school science teacher and Dad is a firefighter. Teegan stated that their occupations are honorable, but it's difficult for them to solely support her as she travels full-time on the Nor-Am circuit.

We are proud to have Teegan as our Front Cover Athlete and also know that her family appreciates the $3,000 financial assistance.

Nick Orfanakis

Salt Lake is his home, but Nick was having a difficult time balancing his ski racing aspirations with classroom excellence. His Freshman year academic record sported an unacceptable 1.4 GPA!

Nick realized he needed more motivation and thought that moving to a full-time program might be what he needed. Steamboat Mountain School took on Nick as a Sophomore and informed him that to be a good racer he needed to meet academic and citizenship standards. The result was grades boosting to mostly A's and racing success also increasing to a multitude of Top-Ten results.

We feel that Nick has learned a lot about life skills through his ski racing and is making the changes for his success. Race Place is awarding Nick $1,500 of ski gear as our Back Cover athlete.
The ASPIRE Story

Race Place’s quest for a new direction in GS race suits began several years ago with several criteria. Made in USA is #1 and affordable and availability. After extensive research we partnered with a production facility in the USA for high quality manufacturing and we are now presenting 12 unique ASPIRE FIS GS Suits to the ski world.

Made in USA
American workmanship is unparalleled
Support the economy with jobs in the USA

Affordable
Average price of Adult FIS GS suits is over $600
ASPIRE FIS GS - Adult is $419
ASPIRE FIS GS - Junior is $339

Availability
Ski products traditionally are made in foreign countries with order time at end of January and delivery end of September. A hot seller isn't known until suits hit the market in October and there usually is no re-order. ASPIRE GS suits Made in USA with a re-order time of 3-4 weeks means your favorite design can be available in short order!

The meaning of aspire is **Aim to Achieve**. We are confident that ASPIRE Race Suits can assist you in your quest to achieve ski racing success.

Features:
- Supra Race high performance fabric from a mill that has produced fabric for numerous World Cup and Olympic teams including Austria, France, Norway, Canada and USA
- Passes FIS 30ml test with approval logo on left calf
- 8 panel anatomically designed fit
- Digitally printed sublimated design
- Robotic Laser cut panels for precise fit
- Removable high impact pads in strategic locations
- Durable YKK zippers
- Thumb anchor straps
- Silicone leg grip to hold suit bottom on boot

RACE PLACE Milestones

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994</td>
<td>Mailed 1st Catalog to 17,000 ski racers w/Homey on cover for next 15 years! 1st Order! AJ Kitt bought a Snap Dry! Base BEAST invented</td>
</tr>
<tr>
<td>1995</td>
<td>Summer store in Govy for 13 years Side of BEAST invented</td>
</tr>
<tr>
<td>1996</td>
<td>Jaws of the BEAST invented</td>
</tr>
<tr>
<td>1997</td>
<td>Domain name: the-raceplace.com</td>
</tr>
<tr>
<td>2000</td>
<td>BEAST Race Brushes developed</td>
</tr>
<tr>
<td>2010</td>
<td>Catalog Cover Contest began</td>
</tr>
<tr>
<td>2011</td>
<td>1st year offering Race Skis</td>
</tr>
<tr>
<td>2019</td>
<td>ASPIRE FIS Race Suits developed Celebrating our 25th Year!</td>
</tr>
</tbody>
</table>

RACE PLACE 2019

Largest Selection of Race Suits
7 brands in 124 Models and Colors

Largest Selection of Side-Zip Pants
4 brands in 42 Models and Colors

Largest Selection of Race Skis
7 brands in 67 Models

Largest Selection of Race Wax
6 brands in multitude of Models

Celebrating our 25th Year!

1-800-814-RACE (7223)  www.the-raceplace.com  RACE PLACE  3
ASPIRE FIS GS Suits

ASPIRE means “Aim to Achieve” and our FIS GS suits will assist in your podium quest. “Supra Race” FIS fabric from a mill that has supplied World Cup and Olympic teams from Austria, Norway, France, Canada and USA. The ASPIRE factory sublimates colorful designs into the fabric and robotically laser cuts eight different panels that are stitched together with elastic thread to individually produce each suit.

Made in USA workmanship and high quality Supra Race fabric assures the best race suits money can buy.

ASPIRE - Splash
Choose from three colorful graphics in this FIS approved GS suit.
Adult .................. $419  Junior ............. $339

Splash Blue  Splash Yellow  Splash Green
ASPIRE - Aquarius
An Aquariun personality isn't conforming and prefers to live outside the box. Hence, this suit graphic was born. FIS approved like all ASPIRE GS suits

Adult .......................$419
Junior .......................$339

ASPIRE - Flutterby
Butterflies give this suit a playful look and might help you float through the gates! Choose either Black or Purple graphic. FIS approved.

Adult .......................$419
Junior .......................$339
ASPIRE - Pursuit
This suit is a great choice as you are pursuing your racing goals. Choice of Blue/Blue or Black/Silver graphic. FIS approved.

Adult ................... $419  
Junior .................. $339

ASPIRE - Cosmic
Unique design with cosmic rays exploding upward into outer space. Choose either Blue/Silver or Orange/Silver. FIS approved.

Adult ................. $419  
Junior ................. $339
**ASPIRE - USA Stars**

Classic chest stripe design has been updated with stars running through the suit and an American flag on the upper right chest. Choose either Blue or Black. FIS approved.

- Adult ................... $419
- Junior .................. $339

---

**FIS Approved Race Suits**

The information below will assist to better understand the FIS Approved requirement.

**WHY**

In interests of safety, FIS required race suits to be porosity tested to eliminate a racer wearing a plastic suit with limited friction with the snow in a fall that would not slow down until hitting something. The testing machine blows air through the fabric to certify the amount of porosity.

In interest of fairness, FIS chose that all suits must have a certain porosity to create a one-design where all suits would have similar aerodynamics.

**WHAT**

FIS approval of race suits for porosity was indicated with a metal tag suit called a “plomb” attached on the leg of the suit after passing the test.

Beginning in 2017 all suits needed to have a FIS logo printed on the back of the left leg. Suits with just a plomb are no longer FIS approved.

**WHO**

FIS Approved suit requirements are applicable only for U-19 (16 years and up) and older athletes competing in GS, SG and DH races at Continental Cup level and up. This means Nor-Am, World Junior Championships, Europa Cup and World Cup.
**Arctica - Tsunami**
Choose from Black, Ocean Blue or Rose in this FIS approved GS suit.
Adult............. $350  Junior............. $300

**Arctica - Print**
Colorful GS suit in five distinct designs: Hummingbird, Butterfly, Kaleidoscope, Flower and Foo Dog. Check our website for individual images. FIS approved.
Adult............. $350  Junior............. $300

**Arctica - AMP**
Primary Black/Silver graphic highlighted in three choices of Red, Blue or Green. FIS approved.
Adult............. $350  Junior............. $300

**Arctica - USA**
Our #1 suit last year returns in two color options with USA logos. Blue/Red or Black/Silver. FIS approved GS suit.
Adult............. $350  Junior............. $300
Arctica Side-Zip Pant - Adult & Junior
Ski clothing should be as colorful as the sport and Arctica has a multitude of colors to satisfy your preference. Covered two-way zippers, removable suspenders, waterproof breathable fabric with 40 gram insulation, two zippered front pockets and a back pocket. See Race Place website for colors.
Adult ...................... $195  Junior ....................... $175

Arctica Speedster Stretch Pant
Waterproof/breathable stretch fabric for a conforming fit and 40 gram insulation. Two way full side zips, removable suspenders, belt loops and snow cuffs.
Men’s or Women’s ................. $240

Arctica Black Kat Stretch Short
Black Kat short in a stretch soft shell waterproof/breathable three layer fabric to comfortably fit over your race suit.
Adult Unisex ......................... $110

Arctica Race Training Short
Full featured Adult & Junior training short. Waterproof fabric, 40g insulation, full covered side zips, zippered front pockets and removable suspenders.
Adult.............. $130  Junior........... $125
**Arctica - Classic Down Jacket - Women**
Classic design with a Packet feature where jacket can stuff into rear pocket to make a napping pillow or use pocket to store race gear. Warm 650 down fill.
- Color choices are Black, Gold or Gunmetal................. $300

**Arctica - Packet Windbreaker**
Pullover windbreaker featuring durable water repellent fabric, large adjustable hood and it packs into its own pouch.
- Color: Black Unisex................. $75

**Arctica - Warm Up Coat**
Warm-up coat you can ski in because it has arms. Simple to remove at the start. Helmet compatible hood, hand warmer pockets. Waterproof/breathable fabric and 80 gram insulation.
- Color: Black Unisex................. $150

**Arctica - Classic Down Jacket - Men & Junior**
Same design and features as in the Women’s model.
- Men’s Colors: Black or Charcoal Heather.................. $300
- Junior Color: Black...................................................... $250

**Arctica - Classic Down Jacket - Men & Junior**
Same design and features as in the Women’s model.
- Men’s Colors: Black or Charcoal Heather.................. $300
- Junior Color: Black...................................................... $250
Descente Ryder Side-Zip Pants - Junior
Full side zips, 40g HEATFLEX insulation, zipperpered side pockets, durable edge guard and removable suspenders.
Colors: Black, Titanium, Red, Dark Night & Victory Blue
Junior Sizes ...............................................................$150

Descente TEAM GS Suit - Adult
World Cup GS suit that is patterned after the Swiss Team suit, but with a fresh new graphic in choice of two colors.
Unisex Sizes ....................................................... $700

Descente Canuk Side-Zip Pants - Adult
Exclusive waterproof breathable stretch fabric 60g Thinsulate, multiple pockets, full side zips and removable suspenders.
Colors: Black, Titanium, Dark Night and Victory Blue
Unisex Sizes ..............................................................$250

Descente Swiss GS Suit - Adult
Iconic Swiss Team graphics on GS FIS race suit. Eschler super stretch fabric strategic padded arms and legs.
Unisex Sizes ....................................................... $700
Karbon - Empress GS
Top design from last season is updated with new colorful patterns in Orange, Blue and Purple. FIS Approved.
   Adult............. $450   Junior............. $375

Karbon - Stretch Short
Softshell water repellent stretch fabric. Front zippers and removable suspenders.
   Adult............. $120   Junior............. $100

Karbon - Imperial GS
   Adult............. $450   Junior............. $375

Karbon - Stretch Short
Softshell water repellent stretch fabric. Front zippers and removable suspenders.
   Adult............. $120   Junior............. $100

Karbon - Crystal Women's Pant
Full side zip pant in waterproof breathable fabric, 40g insulation, adjustable waist and removable suspenders. Colors: Black or Berry Purple
   $180
Karbon - Spirit GS
Performance padded GS suit in a proven design of Lycra stretch fabric. Choice of Red/Blue, Blue/Lime or Purple/Pink. FIS Approved.
Adult............. $450  Junior............. $375

Karbon - Nitrogen Pant
Full side zip pant in waterproof breathable fabric, 40g insulation, adjustable waist and removable suspenders. Black.
Men............. $180  Junior............. $130

POC - GS Suits
POC Adult FIS GS suits feature an ultra stretch fabric with VPD pads in arms and legs. Junior suits have the same padding with thicker fabric for added warmth.
Adult Colors: Black, Navy, Purple ................... $600
Junior Colors: Same as Adult + Red ................ $300

POC - Stretch Shorts
Ultra stretch fabric with fleecy inside. Wear over race suit to keep thigh muscles warm while training. Full front zippers and adjustable waist.
Adult............. $160  Junior............. $140
Spyder - World Cup DH & GS
Men's FIS race suit with new graphic designs of Sarge or Black.
DH............. $1,000  GS ............. $1,200

Spyder - World Cup DH & GS
Women's FIS race suits. Volcano White in GS and DH and GS also in Sarge color.
DH............. $1,000  GS ............. $1,200

Spyder - Performance GS
Men's FIS GS suits in choice of Blue, Black or Red graphics.
Men's FIS GS ...................................... $600
Junior GS suit is Blue or Black ........ $400

Spyder - Performance GS
Women's and Girl's in choice of three colors. Eureka, Volcano or Black.
Women's FIS GS................................. $600
Girl's GS........................................ $400
Spyder - 990 GS Suits
Padded GS suit in three new graphics. Choice of White, Sarge or Bubblegum.
   Women's GS................................. $450
   Girl's GS...................................... $325

Spyder - US Ski Team Down Jacket
The timeless down jacket worn by the US Ski Team features rip-stop fabric and goose down for warmth.
   Colors: Women's Lt. Grey & Men's in Sarge........ $310

Spyder - 990 GS Suits
Padded GS suit in two new graphics. Choice of Volcano Red or Sarge.
   Men's GS...................................... $450
   Boy's GS.................................... $325

Spyder - Slalom Hoodie
Polyester knit w/fleece backing for warmth, hood and US Ski Team patch on sleeve. Men's and women's in olive.
   $160
Spyder - Tarantula GTX Side-zip Pant
Updated Tarantula side-zip pant with the GORE TEX stretch polyester waterproof fabric and 60g PrimaLoft insulation. Women’s and men’s offered in either Olive or Black $300

Spyder - Coaches GTX Bib Pant
Iconic pant updated with all the pads, pockets and zippers any coach will need. GORE TEX rugged waterproof fabric. $400

Spyder - Junior Side-Zip Pant

Spyder - Stretch Softshell Short
Water repellent Softshell fabric, front zips and removable adjustable suspenders. Adult....... $170  Kyd’s.......$130

Spyder - Rain Shell Jacket
Fixed hood, three-quarter length, fully taped seams and pass through pockets. $150
SYNC - Cleo GS Suit
Adult...........$600  Junior ...... $400

SYNC - Lahram GS Suit
Padded GS race suit of Eschler fabric. Adult w/FIS logo. Color choice of Black/Blue or Blue/White.
Adult.............................$600  Junior ............................ $400

SYNC - Kellen GS Suit
Adult............$600  Junior ...... $400

SYNC - Berit GS Suit
Adult...........$600  Junior ...... $400
**Cut Resistant Base Layers**
Combine the protective quality of Dyneema fabric within a technical base layer is an effective protective barrier to cuts from sharp edges. Dyneema fabric is strategically placed in areas most exposed to cuts, notably the crotch, thigh, back of knee, seat, arms and collar.

**POC - Cut Resistant Top**
Adult ............ $175  
Junior ........... $125

**POC - Cut Resistant Pant**
Adult ............ $225  
Junior ........... $175

**2XU - Compression Top**
Men’s or Women’s ......................... $90

**2XU - Thermal Compression Pant**
Men’s or Women’s ......................... $105

High power PWX FLEX fabric supports key muscles with graduated compression to increase blood circulation for improved recovery and reduce muscle stiffness.
They don't make hats, gloves base layers or soft shells. All they do is make the best possible socks the world has to offer and with a lifetime guarantee. Put a hole in one and they will replace the pair!

**Darn Tough - Junior Light**
Performance sock for close boot fit.
Captain Stripe .............. $16

**Darn Tough - Junior Cushion**
Thicker for more warmth.
Polar Bear ....................... $17

**Darn Tough Women's Light**
Performance sock for close boot fit.
Snowflake ..................... $24

**Darn Tough Men's Light**
Performance sock for close boot fit.
Captain Stripe .............. $24

**Darn Tough Ultralight**
Thinnest sock for closest boot fit.
Men's Blk/Lime – Women's Blk/Purple...... $24
Junior Black/Blue....................... $16

**Smartwool Men's Light**
Thin sock for close boot fit.
Lt. Gray or Buttermilk Night ........... $26

**Smartwool Women's Light**
Thin sock for close boot fit.
Black or Afterglow ...............$26

**Smartwool Men's Ultralight**
Thinnest sock for closest boot fit.
Multi Anniversary or Black ............. $24

**Smartwool Women's Light**
Thinnest sock for closest boot fit.
Purple Mist or Lifecycle..............$24

**Smartwool Junior Ski Racer**
Light cushion for warmth and comfort.
Navy or Mauve.......................$16

---

Smartwool's Merino Wool/Nylon blend is the sock of the US Ski Team
Straight from the World Cup race circuit, Level Mitts and Gloves set a new standard.

**Level - World Cup CF Mitt**
Waterproof leather, Thinsulate, padded back & knuckles.
- Junior $150
- Adult $250

**Level - Race Mitt**
Leather mitt, Thinsulate & padded back.
- Adult $150

**Level - Overglove**
Insulated for over gloves adds more cold weather protection.
- Adult $50

**Level - SQ CF Adult Mitt**
Features like glove but warmth of a mitt.
- Adult $190

**Level - SQ CF Junior Mitt**
Features like glove but warmth of a mitt.
- Junior $130

**Level - SQ CF Glove**
Padded waterproof leather, Thinsulate.
- Junior $130
- Adult $190

**Level - Race Mitt**
Leather mitt, Thinsulate & padded back.
- Adult $150

**Auclair - Race Shield Mitt**
Waterproof leather race mitt with D30 padded fingers and knuckles.
- Junior $180
- Adult $225

**Auclair - Race Fusion Glove**
Waterproof leather race glove with D30 padded fingers and knuckles.
- Adult $225

**Auclair - Son of T3 Race Glove**
Classic leather race glove with padded fingers and knuckles.
- Junior $105
- Adult $125

**Auclair - Son of T3 Race Mitt**
Warm leather race mitt with padded fingers and knuckles.
- Junior $105
- Adult $125
Leki gloves & mitts feature the "Trigger-S" system with a small loop between thumb and forefinger that clicks into Leki poles without the need for a strap. “Click in and Go” with Leki poles, but gloves and mitts may be used with any poles.

**WC Race TI-S Speedsystem Glove**  
Goatskin leather, fleece liner, Velcro cuff closure, Titanal knuckles and Thinsulate.  
New Ice Lemon.............. $240  
Black/Red...................... $210

**WC Race TI-S Speedsystem Mitt**  
Cold day performance. Finger channels for better feel of poles. Titanal knuckles.  
New Ice Lemon.............. $240  
Black/Red...................... $210

**WC Race Coach Tech Glove/Mitt**  
$135

**WC Race Flex S JR Glove or Mitt**  
Leather race glove & mitt with impact resistant knuckles and Thinsulate.  
New Ice Lemon.............. $165

**WC Race Flex JR Tech Glove or Mitt**  
Leather race glove & mitt with impact resistant knuckles and Thinsulate.  
$135

**Shred Race Mitt**  
Ligety inspired w/Superfabric on back of hand to use as outrigger in extreme turn.  
$250
**Race-Tec 18 Glove or Mitt**
Leather contour shaped, hard composite knuckles and R-Loft insulation knuckles.
Adult ...................... $270

**Nor-Am Mitt - Adult**
Iconic full cowhide leather mitt with dry lining, fiberfill insulation padded knuckles.
$135

**Gripen GS Mitt - Adult**
Leather, d30 shock absorbing knuckles and ceramic reinforced fingers & thumb.
Adult ...................... $280

**R-Tex Junior - Glove & Mitt**
Power Flex shell, leather palms, fiberfill insulation and neoprene cuff.
Adult ............... $115

**Champ Mitt - Adult**
Soft sheepskin with hard composite knuckles. Dry liner and Thinsulate.
$190

**RSL Comp Vertical Cut Mitt**
Leather race mitt with firm finger and knuckle pads & Velcro wrist closure.
Adult ...................... $220

**Impact Race Glove**
Goat leather/softshell padded race glove with fiberfill insulation and Velcro closure.
Junior ............... $105  Adult ............... $125

**Hestra Leather Balm**
Leather Balm for water repellency and softness. Natural Eco friendly oils.
$10
BODY ARMOR

**Spyder Bashor**
Redesigned “Stealth” has strategically placed pads in a stretch nylon. Worn under suit to soften gate hits.  
**$150**

**POC VPD**
VPD System Back features a new open design in the VPD material for great ventilation.  
**$160**

**POC - Junior VPD**
VPD Back Protector built into a vest for a great fit. Flexible VPD is ventilated.  
**$120**

**POC - Spine VPD Air**
Adult VPD Back Protector built into a vest for great fit. Flexible VPD is ventilated.  
**$150**

**Shred Flexi Lite**
Flexi Lite model features a shock absorbing foam in a hexagon structure for unparalleled flexibility.  
**$160**

**Shred - NOSHOCK**
The NOSHOCK XT Naked features a honeycomb in a closed cell foam for great shock absorption.  
**$180**

**Shred - Flexi Vest**
Hexagon shock absorbing foam in a flexible vest.  

- **Mini** $110
- **Adult** $170

**Sweet - Race Vest**
Visco elastic foam. Zipper and adjustable Velcro belt.  

- **Junior** $150
- **Adult** $170

**Rossignol Protector**
RPG STRAP lightweight with two straps and Velcro waist belt.  

- **Junior** $100
- **Adult** $120

**Atomic - Live Shield**
A classic back protector design with three layer foam, shoulder straps and a wide adjustable waist belt.  
**$130**

**Atomic - Live Shield**
Thin tubular foam is built in a vest for great protection and a lightweight fit.  
**$200**

**Atomic - Junior Shield**
Lightweight vest with similar protection features as in the Adult model.  
**$150**
Leki World Cup Pro
Junior 13” .................. $100
Adult 15.75” ............... $135

Leki Standard Shins
Black or White 14” ...... $110

Leki Carbon 4Race Shins
Junior 12.5” ............... $100
Adult 16.5” ............... $360

POC Carbon Comp
Senior ............. $160
Adult .............. $200

POC Classic Shin Guards
Junior 12” ... $80
Adult 15” .......... $100

KEKA Carbon Fiber Shins
Small 11” ................. $150
Small Long 13” .......... $180
Medium 12” ............ $180
Medium Long 14” ...... $180
Large 13” ................ $180
Large Long 16” ........ $200

Shred Carbon Shin Guards
M 15” .................. $240
L 16.5” ................ $260
PRO 17” ................ $300

Shred Shield Shin Guards
S 12.25” . $100
M 15” ................ $120
L 16.5” ............... $140
PRO 17” ............... $170
Shred Mini Shield Shin Guards
12.25” ............... $90

Fitting of Shins
Put boots on and measure from top of knee cap to where you desire the shin to end. Some prefer the shin to end just above the boot top and others prefer to have shin cover the top buckles for protection from gate hits.
POLE & ARM GUARDS

Leki 4Race Carbon Arm Guards
Adult or Junior.........$250

Leki Forearm Guards
Easy cut length from 11.5" to 9.5"......$110

Shred Carbon Arm Guards
S 9.8"..........................$130
M 10.8"......................$140
L 12".........................$150

Shred Shield Arm Guards
Navy/Rust or White/Black
S 9.8"..........................$80
M 10.8"......................$90
L 12".........................$100

Shred Small Shield Arm Guards
S 9.8"..........................$80

KEKA Carbon Arm Guards
XS-7", S-8", M-9", L-10", XL-11".......$130

POC Classic Arm Guards
Junior 9"..........................$60
Adult 11".........................$80

POC Carbon Comp Arm Guards
Adult or Junior..............$120

POC Carbon Comp Arm Guards
Junior or Adult.................$120

Leki Pole Guards
Thumb Guard ..................$45
Short Mini .....................$40
Lite Symmetrical ..............$60
Compact Asymmetrical ......$45
Lite Asymmetrical ............$60
Cobra Full Wide ..............$75

Rossignol SL Pole Guards
Black or Red .................$70

Komperdell SL Pole Guards
Profi Std .........................$60
Wide World Cup ..............$80

Head SL Pole Guards
$70

Swix SL Pole Guards
Junior for DD5 grip ..........$40
Adult for DD4 grip ..........$45

Swix Shaft Protector/Adaptor
For thin Carbon poles .........$20

Race Guard - Mouthguard
Junior or Adult ...............$10

Fitting Forearm Guards
Bend arm to 90˚ angle and measure distance from outside of elbow joint to slightly above the wrist joint.
The LEKI Difference

"Trigger-S" strap system is click in and go with LEKI gloves, but strap functions in a conventional way with any glove. "Airfoil" technology reduces air resistance to improve swing weight and increases balance and stability at high speeds.

LEKI Venom Carbon Composite–SL
Carbon Kevlar shaft with aluminum top section for gate hit protection. $195

LEKI Carbon Composite–GS
Carbon shaft encasing an aluminum shaft inside for super strength. $195

LEKI World Cup–SL, GS & SG/DH
Titanium Airfoil shaft and Trigger–S grip. GS & SG/DH have speed bends.
- SL ................... $115
- GS .................... $130
- SG/DH ............... $130

LEKI World Cup Lite–SL & GS
Similar features as longer World Cup poles with lighter weight shaft.
- SL ................... $75
- GS .................... $90

Think PINK!
LEKI Pink SL Poles
Mikaela Shiffrin inspired SL poles.
- World Cup ............. $115
- World Cup Lite ....... $75

Choice of World Cup champions for 30 years including Marcel Hirscher.

KOMPERDELL RACE POLES

Komperdell National Team SL
Adult ................ $100
Aluminum alloy 18mm shafts and small racing disc baskets.

Junior ................ $70
Lighter weight aluminum alloy 16mm shafts and small racing disc baskets.

Komperdell National Team GS
Adult ................ $150
Aluminum alloy 18mm GS bend shafts and small aero cone racing baskets.

Junior ................ $90
Light weight aluminum alloy GS bend 16mm shafts and cone racing baskets.

How to Size Poles
The chart is based on height, but the most common "old time" method is to invert the pole with grip on the floor and grab the pole on the grip side of the basket with your forearm at a 90° angle.

<table>
<thead>
<tr>
<th>Height (in.)</th>
<th>Length (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45-48&quot;</td>
<td>35-36&quot;</td>
</tr>
<tr>
<td>49-52&quot;</td>
<td>37-38&quot;</td>
</tr>
<tr>
<td>53-56&quot;</td>
<td>39-40&quot;</td>
</tr>
<tr>
<td>57-60&quot;</td>
<td>41-42&quot;</td>
</tr>
<tr>
<td>61-63&quot;</td>
<td>43-44&quot;</td>
</tr>
<tr>
<td>64-66&quot;</td>
<td>45-46&quot;</td>
</tr>
<tr>
<td>67-69&quot;</td>
<td>47-48&quot;</td>
</tr>
<tr>
<td>70-72&quot;</td>
<td>49-50&quot;</td>
</tr>
<tr>
<td>73-75&quot;</td>
<td>51-52&quot;</td>
</tr>
<tr>
<td>76-78&quot;</td>
<td>53-54&quot;</td>
</tr>
<tr>
<td>79&quot;</td>
<td>55-56&quot;</td>
</tr>
</tbody>
</table>

Chart is for SL or recreational skiing. GS, SG and DH may choose poles 2" longer.
**Swix WC Pro Carbon Race Poles**
Stiff carbon fiber lightweight shafts that are shaped for less wind drag. SL has disc baskets. GS/SG & DH have cones. DH has “Wrist Bend” for better hand position in a tuck.

- SL Adult: $135
- GS/SG Adult: $135
- DH Adult: $135

**Swix World Cup Alu Race Poles**
Lightweight 7075 alloy race shaft for extra strength in an 18 mm Adult shaft. Junior shaft is 16mm for lighter weight.
SL poles are SL guard compatible. GS/SG and DH have aerodynamic bent shafts. Racing disc baskets on SL and cones on GS/SG and DH.

- SL Adult: $80
- GS/SG Adult: $80
- DH Adult: $80

- SL Junior: $55
- GS Junior: $55

**Fischer RC4 World Cup**
Strong aluminum alloy. SL poles are straight shaft with race basket. GS has bend and cone baskets.

- SL Adult: $90
- SL Junior: $40
- GS Adult: $100
- GS Junior: $45

**Head World Cup**
Aluminum alloy shafts. Adult has 18mm shaft. Junior is lighter weight 16mm. Both accept universal SL guards.

- SL Adult: $110
- SL Junior: $60
- GS Adult: $110
- GS Junior: $70

**Rossignol Hero Poles**
Triangular aluminum Zical shaft for aerodynamics and strength, race disc and carbide tip.

- SL Adult: $90
- SL Junior: $50
- GS Adult: $90
- GS Junior: $50
Atomic Redster WC AMID Helmet
Carbon/Aramid construction gives 30% more protection than FIS standards. SL bar compatible. $325

Atomic SL Bar
Metal guard fits Redster FIS helmet. $50

Atomic Count AMID SL Helmet
Lightweight ABS half shell SL helmet. Includes a metal SL guard. Mikaela Blue, Black/White or Red $220

Atomic Revent Racing Goggle
Cylindrical double lens for a wide vision, Green HD High Fusion all condition lens. Clear lens available for night skiing. $130

Rossignol Hero Carbon - FIS
Carbon for greater impact resistance. $360

Rossignol Hero Impact - FIS
ABS hardshell. SL bar included. Junior $160 Adult $270

Rossignol Hero Templar - SL
Soft ear SL helmet with ABS shell. $200

Rossignol Hero Black
Includes Yellow, Silver & Clear cylindrical lens for varying conditions. $120

Rossignol Hero Junior Raffish
Includes Yellow, Silver & Clear single cylindrical lens for varying conditions. $50

POC - Fovea Clarity Comp
Spektris tinted mirrored lens. Large field of vision. Extra non-mirror lens for low light. Wht, Blk or Purple frames $220

POC - Retina Clarity Comp
Mid-size Retina updated with mirrored Spektris Clarity lens plus an extra lens. White, Black or Purple frames $170

POC - Retina Big Clarity Comp
Larger version of Retina Clarity Comp including the extra non-mirror lens. White, Blk or Purple frames $190

POC - Opsin Clarity Comp
Minimal distortion Cylindrical Spektris lens for Med-Large face. Extra lens. White, Blk or Purple frames $150
POC - Skull Orbic Comp SPIN FIS Helmet
Rotational impact protection system SPIN (Shearing Pad Impact Protection) is the latest in helmet safety. SPIN allows pads inside helmet to shear in any direction during impact. Compatible with SPIN breakaway SL bar.
Colors: White, Black, Lead Blue, Wht/Purple, Wht/Lt. Blue ............... $400

POC - Super Skull SPIN FIS Helmet
Combine super light weight Carbon fiber shell with the POC SPIN technology and you have the latest in the cutting edge of helmet technology. Compatible with SPIN SL bar. ..................... $800

POC - Skull Orbic X SPIN FIS Helmet
Most popular POC FIS helmet features SPIN technology in an economical FIS helmet. Compatible with SPIN SL bar.
Colors: White, Black, Purple, Light Blue or Red ......................... $250

POC - Arctic SPIN SL Helmet
High tech SL helmet with SPIN technology to reduce head impacts whether from a fall or taking gate hits. Comes with the Mozilla SPIN breakaway SL bar.
Colors: White, Black, Purple, Light Blue or Red .......................... $250

POC - Opsin Clarity
Cylindrical Clarity Spektris double lens in a Med/Lg Lead Blue frame. $130

POC - Maxilla SL Bar
Breakaway design for the new SPIN FIS helmets.
White or Black .......................... $60
Maxilla Orbic for non-SPIN helmets
White ................................. $50
**UVEX - Race+ FIS Helmet**
Protection Technology is 15% lighter and stronger than FIS standards. SL bar compatible. Blk/Silv, Wht/Blue or Black
$220

**DH 2000 FM Race**
Double spherical mirrored lens for optimum UV protection. Black or White.
$120

**Athletic FM Goggle**
Medium size with cylindrical mirrored double anti-fog lens. Black or Navy.
$70

**Uvex SL Bar**
Fits Race+ Helmets.
$60

**SWEET - Volata WC Carbon MIPS**
A no-compromiserace helmet with a Carbon/Polyamide shell for the best combination of elasticity and rigidity. Front and rear gate shields are molded in for extra protection from gate hits. MIPS system to protect from rotational forces.
$600

**SWEET - Clockwork World Cup Max**
Widest field of vision. Special contrast enhancing double lens technology. Extra clear lens for night skiing.
Black or White/Blue .................................... $200

**SWEET - Clockwork World Cup**
Lower volume for a closer fit with all the SWEET goggle technology. Extra clear lens for night skiing.
Matte Teal or White/Blue ............................ $200

**SWEET - Clockwork**
Low volume for a closer fit with all the SWEET goggle technology. Includes two contrast enhancing lens.
Matte Black or Satin White .......................... $200
Sweet Protection

**SWEET - Aksel Lund Svindal Volata**
Aksel’s own graphic with each side different. MIPS, molded-in gate shields and removable ear pads in an ABS FIS race shell that is SL bar compatible. ........................................................ $260

**SWEET - Volata TE FIS Helmet**
TE is the Team Edition graphics with all the features of the Volata FIS helmet. White/Blue or White/Red Stars. $270

**SWEET - Volata**
FIS helmet with MIPS, molded-in gate shields and removable ear pads in an ABS FIS race shell that is SL bar compatible. Black, White or Metallic Blue .............................. $270

**SWEET - Trooper II SL Helmet**
Slalom specific with a Thermoplastic Laminated Carbon shell with soft ears. Front and back impact shields and MIPS. Complete with a light weight SL bar. White/Black or White/Metallic Blue ......................... $300

**SWEET - Volata FIS SL Bar**
Made of a powder coated 4mm steel tubing with quick release. Compatible with any of the Volata FIS helmets. $50

**SWEET - Trooper II TE SL Helmet**
Same features as the Trooper II, but with the special Team Edition White/Blue graphics. $310
Shred - Basher Ultimate FIS Helmet
Lightweight with Rotational Energy System to allow impacts to shear off and Casidion impact liner Tapered thickness hard outer shell. SL bar compatible.
Black or White...............................$300

Shred - Basher FIS Helmet
Rotational Energy system and an impact recovery liner. SL bar compatible.
Black or Navy.................................$200

Shred - Totality NoShock SL Helmet
Rotational Energy system and an impact recovery liner. Add full ear SL guard.
Black or Navy.................................$160

Shred - Race Goggle - Simplify
Distortion free carved cylindrical lens in a Med/Large frame. Mirrored and Clear lens included. Three color choices.
Black, White or Grey.......................$220

Shred - Race Goggle - Rarify
Carved spherical lens in a Med/Large frame Includes Mirrored and Clear lens.
Black or White...............................$220

Shred - Race Goggle - Smartify
Spherical double lens goggle in choice of four frame colors. Small/Medium frame.
Black, Navy/Rust or White...............$150

Shred - Race Goggle - Amazify
Cylindrical double lens goggle with both a Mirrored and Clear lens. Med/Large frame.
Black, White or Navy/Rust..............$150

Full Ear SL Guard
Black or White.........................$50

Basher SL Guard
Black or White..................$50

Lens Bag
Protect spare lens from scratches. Holds 5 lenses.
$12

Goggle Case
Goggles get trashed in a bag unless protected by a case.
$15
Briko - Vulcano Fluid FIS Helmet
Fluid is the cutting edge of technology to manage rotational forces.
Black or White............. $275

Briko - SL Helmet
Polycarbonate/ABS shell to absorb gate impact. Chin guard included.
White, Blue or Black ............... $180

Briko - Vulcano SL Guard
High impact metal guard to withstand gate hits. Two sizes to fit any Vulcano helmet.
$40

Briko - USA Vulcano Fluid FIS Helmet
Special partnership with US Ski Team.
Navy .................. $275

Briko - USA Vulcano FIS 6.8 Helmet
ABS shell for strength and pods of fluid inside to absorb impacts.
Black, White or Blue .................. $250

Briko - Vulcano FIS 6.8 Helmet
ABS shell for strength and pods of fluid inside to absorb impacts.
Black, White or Blue .................. $250

Briko - Junior Vulcano FIS 6.8 Helmet
Strong ABS shell and adjustable fit.
Blue .................. $200

Briko - Lava 7.6 Goggle
Durable and flexible polycarbonate lens in a wide vision frame. Mirror lens plus a low light lens.
Black, Orange or White ............. $190

Briko - Nyira 7.6 Goggle
Double spherical lens in wide vision frame. Mirrored lens for bright days and an extra for low light conditions.
Black, Orange or Blue ............. $160

Briko - USA Lava XL Goggle
Frame and strap are sporting a color scheme to show support for the US Ski Team. Blue mirror Cylindrical double lens for bright light and an extra low light lens.
$140

How to Find Helmet Size
Measure head circumference 1" above eyebrow around to largest point on back of head. Round up to larger size when measurement is between sizes.

<table>
<thead>
<tr>
<th>Inches</th>
<th>cm</th>
<th>Inches</th>
<th>cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 1/2&quot;</td>
<td>52</td>
<td>22 3/4&quot;</td>
<td>58</td>
</tr>
<tr>
<td>20 7/8&quot;</td>
<td>53</td>
<td>23 1/4&quot;</td>
<td>59</td>
</tr>
<tr>
<td>21 1/4&quot;</td>
<td>54</td>
<td>23 5/8&quot;</td>
<td>60</td>
</tr>
<tr>
<td>21 5/8&quot;</td>
<td>55</td>
<td>24&quot;</td>
<td>61</td>
</tr>
<tr>
<td>22&quot;</td>
<td>56</td>
<td>24 3/8&quot;</td>
<td>62</td>
</tr>
<tr>
<td>22 3/8&quot;</td>
<td>57</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1-800-814-RACE (7223) www.the-raceplace.com RACE PLACE 33
Swix NNT Alpine Tri-Pack
Boot storage in outer pockets, helmet & gear in center. Outside pockets for other essentials. 18”x16.5”x14” $120

Swix SW Alpine Tri-Pack
Boot storage in outer pockets, helmet & gear in center. Outside pockets for other essentials. 18”x16.5”x14” $120

Swix Slope Back Pack
Fully padded with a lined pocket for sunglasses. Top load main compartment, large side pockets and a front pocket. 20.5” x 16” x 12.5”………………$130

Swix Roll Up Boot Back Pack
Two boot side compartments. Zippered front pocket and large main compartment. Fully padded harness system. 14.5” x 28.25” x 9.5” $120

Swix Gold Lite Double Ski Bag
Fully padded, wheeled, durable tarpaulin bottom... Adjust from 170cm to 210cm. $220

Swix Double Ski Bag
Durable bag holds two pair of skis up to 215cm and poles. Padded tip to tail. $140

Swix SW Wheeled Double Ski Bag
Adjusts from 180 to 215cm. Wheeled for easy transport. Fully padded tip to tail. $260

Swix Tilted Kilt Tri-Packs
Tri-packs with a plaid accent fashion statement. Boot storage in outer pockets, helmet & gear in center. Outside pockets for other essentials. 18”x16.5”x14” ……………………$100

Swix Coach’s Radio Vest
Coach vest w/multiple pockets for radio, pencil, thermometers, cell phone or whatever else coaches carry. $40

Swix Base Protector
Heavy-duty padded fabric w/tip pockets and Velcro straps. Short - Med.- Long $42
**Lange Racer Back Pack**
Massive main compartment with helmet pouch and other gear. Two internal zippered side pockets for boots.
95 liter 28” x 19” x 11” .................. $160

**Fischer Race Back Pack**
Large main compartment with zippered front helmet compartment.
Medium 6” x 14” x 10” 40 liter ........... $100
Large 23.5” x 14” x 10” 55 liter ........... $120

**Lange Boot Back Pack**
Boot and gear back pack with main compartment for boots. Three external pockets. Top handle and shoulder straps.
20.5” x W 20” x D11” ...................... $80

**Fischer Double Wheeled Ski Bag**
Durable polyester material with in-line wheels. Holds two pair of skis to 195cm. Compression straps to secure the bag around the skis and a carrying strap.
$160

**Lange Heated Boot Bag**
Dual voltage to warm boots at home or plug into 12v auto. Internal compartments for helmet, goggles, etc
18” x 16” x 14” ............................. $260
Rossignol Hero Athletes Back Pack
Inside helmet pouch & zippered boot compartments. Huge inside
28” x 19” x 16” ...................... $160

Rossignol Hero Boot Pro Pack
Internal helmet pouch, external boot holsters and multiple pockets.
23” x 17” x 12” ...................... $150

Rossignol Heated Boot Bag
Dual voltage to warm boots at home or plug into 12v auto. Three heat settings.
18” x 16” x 12” ...................... $260

Rossignol Hero Wheeled Ski Bag
Holds 2-3 pair of skis up to 210 cm with internal straps to secure skis.
$250

Rossignol Hero Double Ski Bag
Carry 2-3 pair of skis up to 210 cm in this rugged bag. External compression straps.
$100

Level Ski Trainer Back Pack
Main compartment with intermediate separation. Zippered top and front slash pockets. Padded shoulder straps and back panel Rain cover included! 35 liter
$100

Level Ski Team Pro Back Pack
Main compartment. Zippered side pockets for boots. Top slash pocket for quick access. Padded shoulder straps and back panel Rain cover included! 55 liter
$120
Head Rebels Racing Back Pack
Divided large main compartment for boots and helmet. Two roomy side pockets for extra storage.
Two sizes: 50 liter 17" x 23" x 13" ..................$150
..90 liter 21" x 25.5" x 14" ..................$170

Head Rebels Heated Boot Bag
Dual voltage to dry boots at home or plug into 12v auto. Multiple zippered pockets for extra storage.
17" x 23" x 10" .................. $260

Head Double Wheeled Ski Bag
Wheeled bag holds two pair of skis up to 203cm and extra room for poles. Two compression straps.
$170

Atomic RS 50L Back Pack
Durable rip-stop water repellent. Main compartment large enough for boots, helmet or accessories.
23"L x 15"W x 10"D .................. $100

Atomic RS 90L Back Pack
Big Daddy of backpacks. Huge main compartment. Front pocket and two external side pockets.
27.5"L x 18.5"W x 15"D .................. $140

Atomic RS Wheeled Double Ski Bag
Rip-stop material with in-line wheels. Holds two pair of skis to 210cm. Compression straps to secure the bag around skis.
$200
Cat Tracks
Prevent boot sole wear that can be a detriment to binding safety. Worn soles also adversely affects ski performance by changing your alignment and canting. Cat tracks also give you a better grip in icy parking lots.
Sizes: Junior (2-5), Small (6-8), Large (8+)
$20

Booster Straps
Firm elastic to replace your Velcro power strap allowing the boot tongue to be held closer to leg for faster ski response. Racers have gotten results several seconds faster.
- Junior (up to 150 lbs. and boots under 5) $24
- Standard/Intermediate (150 lbs+) $37
- Expert/Racer (150 lbs+) $42
- World Cup (180 lbs+) $45

Dermatone
Medicated lip balm supplies soothing relief to chapped, dry lips while protecting them from further damage with an SPF 23 protection rating.
Made in USA $2.95

Slide On Boot Spray
Spray a small amount in the liner to ease the process of getting your foot in the boot. Colorless dry anti-friction layer.
$12
**BOOT DRYERS**

**Dry Guy Force Dry**
Dries boots or gloves and folds for easy travel. Quiet fan blows gently heated air.
$50

**Dry Guy Force Dry DX**
Gently dries 2 pr. of boots or gloves with air coming out of nozzle at 105°F.
$80

**Dry Guy Simple Dry**
Dries in complete silence as thermal convection air moves through tubes.
$40

**Dry Guy Dry Rack**
Silent radiant heat system dries 4 boots. Mount on wall, floor or freestanding.
$60

**Dry Guy Travel Dry DX**
Fan in toe to circulate heated air. Works on 12v or 110v. Packs for easy travel.
$40

**Boot Glove**
Add up to +20°F to your boot toe by conserving heat loss. This neoprene cover is a great insulator.
Sizes:
- S (17.5-23) ............... $30
- M (23.5-27.5)
- L (27-31.5)
Edge Tuning

Base edge beveling is lifting edges off the snow a slight amount (.5° to 1°) so they won’t engage until the ski is tilted on edge. Too little base edge bevel causes a ski to hook up before skier is ready and excessive base edge bevel creates instability as the edges are raised too far off the snow.

Side edge bevels are commonly 1° to 3° with the high number indicating a more acute angle to penetrate farther into hard snow. Too little side edge bevel can cause a ski to skid and too acute a bevel can cause the edge to knife into the snow and rail.

RULE #1: If some is good, more is not always better!

Edges must be sharp from contact point to contact point for carving. Dull edges will not grip the snow and allow ski to bend into a turning arc causing skidded turns. If skis are hooky you may increase base edge bevel in tip or check your boot canting alignment.

DO NOT DULL or "DETUNE"

All sharpening must be done on side edges. Additional filing on base edge after initial bevel set-up will raise the edge farther off the snow.

Base Edge Initial Bevel Set Up

Ski must be stone ground flat. Put ski in vise with base up and use Base BEAST and 8” mill file. Begin on far edge with extended arms and pull file toward you with 8”-12” strokes. Rotate ski 180° in vise for other edge. Beginning tuners should darken edge with felt tip pen and file until entire edge is shiny.

Don’t file into base as it creates a base high (convex) shape causing instability. Finish by polishing with medium diamond stone. A progression of polishing with finer stones enhances performance.

Abrasive snow wears outer edges of base causing convexity. Stone grind to re-establish flat base if ski becomes unstable from excessive wear. Check base edge bevel after base grinding.

Edge Profiles

| Flat Ski | 90˚ Side/Base Edge Bevel | Base Edge Bevel | Acute Edge Angle |

Side Edge Tuning

Side edges need daily maintenance for maximum performance. Hold ski in vise with side edge up and the base away so you can easily work on side edge. This position allows you to pull Side of BEAST toward you giving better control than if you were pushing the tool.

Sharpen with 8” mill file in Side of BEAST until edge is very sharp. Check sharpness by dragging your fingernail across edge and edge should scrape some material from fingernail.

Polish with a medium diamond stone to remove striations left on edge with file. Following with finer stones will give a longer lasting edge.

Lubricating your stones with BEAST Juice will prevent clogging and give them longer life.

Deburring

Lightly run gummi stone along edge at 45° to remove burrs after any filing or polishing procedures.

DO NOT DULL or "DETUNE"!

Sidewall Planing

Most skis are designed with plastic or aluminum sidewall reinforcement just above the edge. (Illustration page 33)

This sidewall causes difficulty when working on side edge, as it tends to hold file away from the metal you are filing. The solution is to reduce some sidewall with Plane BEAST before tuning so it doesn’t interfere with your work.

Plane BEAST works with a coarse file held at a 7° angle that reaches over the edge and cleans off unneeded sidewall.

Your 1-2-3 Daily Tune

1. Check for burrs on edges by running finger along full edge. Remove any burrs with diamond.

2. Check sharpness by dragging fingernail across edge. If some fingernail is removed you are okay. If edge is dull go to side edge tuning procedure. DO NOT SHARPEN BASE EDGE!

3. Finish daily tuning with hot waxing and head for the slopes. Simple!
Waxing

Regular use of wax allows you to glide and turn easily and protects your base. Wax in a ski base is as important as oil in your auto engine. Bases soak up wax like a sponge. Gliding over snow slowly releases wax to give a lubricating layer between your base and snow. Lubricant is needed for performance as well as protection from "base burn" which is a fuzzy base texture caused by abrasive snow.

Wax also protects from oxidation. Bases exposed to oxygen oxidize and become rough similar to roughness created when steel oxidizes in the form of rust. Wax seals your base to prevent harmful oxidation that slows glide.

How To Wax

Waxing is easy and you need only a few basic supplies. Clean base by scraping with a plexi scraper to remove old wax or dirt from the surface. (Use base cleaners sparingly as they "dry out" and deteriorate the base material.)

1. CLEAN BASE

Use brass or bronze brush aggressively from tip to tail to further clean the base and remove oxidized base material. Follow with fiber pad to remove any "base burn fuzz" caused by abrasive snow.

2. IRON WAX INTO SKI BASE

Liquid or paste waxes may increase glide for a short time, however they quickly wear off and don't protect your base. Hot waxing is best. Simply hold wax bar on iron allowing melted wax to drip on base. Set heat so wax flows easily, but don't "smoke" the wax. Iron base for a minute or two to spread and penetrate wax into base.

3. SCRAPE EXCESS COOL WAX OFF

Cool wax to room temp. Scrape off excess with plexi scraper leaving thin layer on base. Excess wax inhibits base from gliding easily and fills the "structure" channels in the base.

4. BRUSH AND POLISH FOR MAXIMUM GLIDE

Brush the wax out of the structure channels with a nylon or soft bronze brush. Finish by polishing with a non-abrasive fiber pad.

Base Structure

This is a texture in the base with a pattern of channels to dissipate moisture between the base and snow to prevent "suction". A structure is best done in a competent ski shop with stone grinding. Final step is to brush surface wax out of structure with nylon, horsehair or bronze brush to clear moisture channels and break suction and enhance glide. Final cleaning of base with fine fiber pad removes any excess wax and polishes base for max glide.

Wax Types

Hydrocarbon

Hydrocarbon is the basic bar wax for skis and boards. Melt into base as an excellent lubricant for most snow conditions. It's inexpensive and used at all levels of skiing from beginner to top levels of racing.

Fluorocarbon

When humidity is above 50% or there is excess moisture in the snow you should use a fluorocarbon wax. It's a hydrophobic substance that's blended into hydrocarbon wax. Fluorocarbon is also available in "pure" form and applied as an overlay for top acceleration in wet snow.

Wax Colors

Dye is added to designate hardness of wax. Soft waxes are a better lubricant for wet and warm snow. Hard waxes lubricate and protect your base better in cold or abrasive snow.

A New Breed of Wax!

Traditional waxes have been made to perform in a fairly narrow range of temperatures. This works great if you hit the wax right, but in reality most racers don't have the resources and experience to make the right wax call.

BEAST Waxes have been formulated to perform in a broad temperature range to eliminate the guesswork of waxing. Thermoactive ingredients have been added to automatically adjust the wax hardness to match the temperature. Top performance over a broad spectrum of snow conditions. You always have the right wax call!
Race Ski Prep

Sidewall Planing
The first task is to plane the sidewalls so the edges are exposed for side edge work. Techs for top level racers will spend a fair amount of time shaping and polishing sidewalls, because those athletes are skiing with such extreme angles that the sidewalls are actually a running surface.

Base Flatness
Flat bases are necessary for top performance. Concave bases are overly grippy and convex will tend to wander. Check flatness with true bar sighting along base with background light and note irregularities to determine if skis should be stone ground to flat. Some extremely concave skis may not be practical to grind totally flat, but should at least be flat on the outer 1/3 of the base.

Check base edge bevel and if it’s excessive the skis must be flattened by stone grinding.

Structure
Factory grinds are fairly universal and perform well in many conditions. However, specific conditions may warrant changing the grind on new skis.

A stone grind to flatten base will remove most of the structure and you must choose the most appropriate structure for the re-grind. Factors to consider are the discipline and most typical snow and weather conditions for your region. Check the Race Place Speed Grinding Service for more info.

Edge Bevels
Set base and side bevels after grinding following procedures listed in previous pages with emphasis on progression of finer stones for ultimate race polish.

Base Prep
For best results on race skis you must follow a procedure to cleanse the base and break-in the structure. It’s labor intensive but necessary for podium results. Here is a basic format used by top techs although each tech may have subtle variations.

1- Cleanse ski by ironing soft Base Prep wax into base and scraping with acrylic scraper while wax is warm or liquid. Repeat several times to remove impurities such as grinding residue and fluid.
2- Iron in Base Prep wax, cool until wax is hardened, lightly scrape and then brush aggressively with BEAST Stainless 3-4 times tip to tail. Follow with several passes of a coarse fiberpad backed with a file to create even pressure across the base.
3- Clean base with Fiberlene and repeat Step 2 multiple times to mellow the grind, etch in micro structure and saturate bases with wax. Use harder hydrocarbon waxes after several repetitions of Base Prep wax.
4- Graphite Base Prep wax may be used in Step 2 or as separate ingredient in Step 3. Graphite is an anti-static and an excellent lubricant against abrasiveness.
5- Clean base with Fiberlene, iron-in hydrocarbon training wax, cool, scrape and brush with BEAST Soft Bronze/HH. Finish with BEAST Horsehair and polish with non-abrasive fiberpad and fiberlene. Take multiple runs on the mountain to further the break-in of your skis until they reach top speed.

Fast skis require care on a year-round basis. We recommend you replenish wax at least monthly to prevent oxidizing of the base after initial preparation. Scrape off “storage” wax, brush with BEAST Stiff Bronze/HH and Horsehair followed by fiberlene. Iron in soft-mid hydrocarbon wax for continued storage.

After any race or training day the skis should always be brushed out, cleaned by hot scraping and apply a fresh storage wax.

What is Structure?
Structure is a pattern ground into the base primarily to repel water.

Types of Structure
There are a large variety of structure patterns available with the latest stone grinders. The two basic categories of grinds are Lineal and Cross Structure. While there are no absolutes the lineal patterns are used only for high speed DH and cross patterns are more common on most race skis.

Why is Structure Important?
The structure minimizes the friction between the base and snow and breaks suction in high moisture content snow.
Race Place offers Hot Boxing and other Race Ski Prep services. Check our web site at www.the-raceplace.com and click on TUNING SERVICES for more information.
"Best Edge Accuracy Ski Tools"

Base BEAST started in 1995 and now BEAST tools are favored by home tuners, top techs and World Cup athletes.

– We build tools, not toys –

Customer Accolades
"You folks have it down. My new Side of BEAST is the best side edge tool I have ever used bar none. Way to Go!" D.M. North Bend, WA

"Side of BEAST is a huge upgrade from the angle bar and spring clamp I used for years. I can’t believe anyone is still using that antiquated method." S.R. Boulder, CO

Undistorted Precision
Angle plate is positioned above file so file is pushed into angle plate as you press down on edge. A file held by hand or spring clamp on top of an angle bar is less accurate because file is pushed away from the angle bar creating distortion.

“Best clamp in the business”
Files or stones are securely held with clamp actuated by single large knob vs. spring clamps or undersized clamps with small knobs that tend to allow file to slip.

Versatile
- Use virtually any size file or stone with angle from 1˚-4˚.

Ejection Slot
- Ejection slot clears filings away from base.
- Stainless steel glide plate insures base structure will not be damaged.

Durable
- Anodized aluminum main frame and stainless steel glide plate

Safety
- Ergonomic design positions hand away from sharp ski edge
- Secure clamp prevents slippage of files or stones

Side of BEAST
Durable anodized aluminum frame for precision with stainless plate for smooth gliding on base. Choice of angle plate with option of additional angles.

With 1˚ plate .............................................................. $60
With 2˚ plate .............................................................. $60
With 3˚ plate .............................................................. $60
With 4˚ plate - Metal plate ......................................... $70
With 7˚ plate - Side of BEAST Planer ......................... $70

Additional Angle Plates
1˚, 2˚ or 3˚ plates ....................................................... $10
4˚ Metal Angle Plate .................................................. $20
7˚ Metal Angle Plate for Sidewall Planing ................. $20
Pocket BEAST

Designed as a compact 4" long tool to easily carry in your pocket or pack so you can put a quick "buzz" on side edges between race runs. Also may be used as your main shop side edger as it is vastly superior to the simple angle bar and spring clamp both in terms of accuracy and ease of use. Stainless steel glide plate for clean easy gliding on the base structure. Powerful clamp will securely hold virtually any file or stone from 70mm up to 8" mill file. Files and stones not included.

Pocket BEAST 1° w/stainless plate $40
Pocket BEAST 2° w/stainless plate $40
Pocket BEAST 3° w/stainless plate $40
Pocket BEAST 4° w/stainless plate $40

Pocket BEAST main frames are color coded to designate degree of angle.

1° Black  2° Gold  3° Red  4° Blue

General Bevel Recommendations

<table>
<thead>
<tr>
<th>Average Recreational Skier &amp; U8-U10</th>
<th>Hard Snow</th>
<th>Soft Snow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Edge Bevel</td>
<td>1°</td>
<td>1°</td>
</tr>
<tr>
<td>Side Edge Bevel</td>
<td>1° - 3°</td>
<td>1°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advanced Recreation &amp; U12-U14</th>
<th>Hard Snow</th>
<th>Soft Snow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Edge Bevel</td>
<td>.5° - 1°</td>
<td>1°</td>
</tr>
<tr>
<td>Side Edge Bevel</td>
<td>2° - 3°</td>
<td>1° - 2°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Racer U16-U19</th>
<th>SL</th>
<th>GS</th>
<th>SG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Edge Bevel</td>
<td>.5° - 1°</td>
<td>1°</td>
<td>1°</td>
</tr>
<tr>
<td>Side Edge Bevel</td>
<td>2° - 3°</td>
<td>2° - 3°</td>
<td>2° - 3°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Top Level Elite Racer</th>
<th>SL</th>
<th>GS</th>
<th>SG &amp; DH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Edge Bevel</td>
<td>0° - .5°</td>
<td>0° - .5°</td>
<td>.5° - 1°</td>
</tr>
<tr>
<td>Side Edge Bevel</td>
<td>3° - 4°</td>
<td>3° - 4°</td>
<td>3°</td>
</tr>
</tbody>
</table>

Bevels are variable depending on the snow hardness, strength and skill of athlete and speed. High level SL or GS is usually on ice and wants the base edge to be in immediate contact and the side edge to penetrate for better grip. Less experienced athletes may find extreme edge angles to hook up too quick and the edge penetrate too far and the combination can cause erratic performance.

Side of BEAST Planer

Take an iconic Side of BEAST and install the new 7° planer plate and you now have a great sidewall planer. Use with 70mm, 4" or any longer Pansar file for sidewall planing.

Convert to a side edging mode by using a 1°, 2°, 3° or 4° angle plate and you now have both a side edger and a sidewall planer all in one versatile tool! $70
"The #1 Base Edge Beveler in the World"

**Base BEAST**

**Precision Stainless Steel Elevation Bar**
- Precision accuracy of stainless steel and easy gliding on base structure.

**Swivel Elevation Bar Design**
- Elevation bar swivels to always lie flat on base for maximum accuracy and to prevent any possible base damage from edge of bar digging into base.

**Polycarbonate Main Frame**
- Durable rigid polycarbonate for long life, but soft enough so no need for separate inserts to prevent edge damage.

**Ergonomic Design**
- Angled arms for efficient cutting angle, finger rest on side and tongue under file for easy comfortable grip.

"Original" patented design with over 50,000 in use by techs around the world. Stainless elevation bar tilts file or stone at precise angle for easy set-up and maintenance of base edges. Best with an 8" mill file and a 4" polishing stone.

Choose $.5" , .75" , 1" , 1.5" or 2" ................. $20

### Why Base BEAST is #1

Polycarbonate used in the Base BEAST is one of the toughest and most stable materials available and is used in many high tech applications including "bulletproof shields". Base BEAST features a polycarbonate main frame combined with a precision stainless steel elevation bar.

The accuracy of any base edge beveler is determined by the thickness of the elevation bar and its distance from the ski edge. Base BEAST’s patented design established this method of beveling 25 years ago at an affordable cost. Copies of the Base BEAST have driven up the cost of their base edge bevelers by using a metal main frame requiring costly machining and then having to protect the ski edge by adding separate Delrin inserts that are subject to extreme wear and require frequent replacement.

Base BEAST insures utmost accuracy in an economical design and is the #1 selling base edge beveler in the World.

### Edge Beveling Tips
1. Don’t sharpen edge from bottom as you will remove too much base material near edge so ski will become base high and cause instability of the ski.
2. Use felt tip pen to darken edge before initial base edge beveling with file and remove only enough material until edge is shiny. Don’t file into base material.
3. Polish edge with diamond stone to remove striations left by file. A few minutes polishing will make an incredible difference in performance.
**Plane BEAST**

Skis have plastic or aluminum sidewall material reinforcing the edge, but this sidewall prevents the file or stone from getting a good bite into the metal edge while tuning.

Plane BEAST smoothly removes sidewall with a pansar file section that trims material at a 7° angle just above edge to expose edge to allow a clean cut with tuning file or stone.

Complete with mainframe, clamp and file. ................. $40

**Spare File**

$15

**Side of BEAST Planer**

Take an iconic Side of BEAST and install the new 7° planer plate and you have a great sidewall planer. Use with 70mm, 4” or any longer Pansar file for sidewall planing.

Convert to a side edging mode by using a 1°, 2°, 3° or 4° angle plate and you now have both a side edger and a sidewall planer all in one versatile tool!

- Sidewall Planer ............................................. $70
- 70mm Pansar .............................................. $14
- 4” Pansar ..................................................... $16

**Swix Economy Sidewall Planer**

Simple, yet effective tool for removing sidewall material to expose more of the ski edge. Round cutting blade adjusts horizontally and vertically for precise removal of material.

Sidewall Planer ............................................. $40

**Swix Racer Sidewall Planer**

Sidewall cutter adjusts for thickness of edge and depth of cut. Comes with round and square blade so you can plane to desired shape.

- Sidewall Planer ............................................. $80
- Spare Blade - Round ..................................... $25
- Spare Blade - Square ..................................... $25

**Swix World Cup Sidewall Planer**

Machined aluminum for World Cup precision and durability and a sealed roller bearing for smooth action. Adjustable blade height and depth. Comes with round carbide blade.

$150

**True BEAST**

Precision "knife edge" true bar for checking flatness of a ski base. Wear and tear of skiing causes uneven wear on base and edge creating instability. Regular checking for flatness insures top performance. Hold ski up to light source with True BEAST across base and sight along length of ski to see if light shows through indicating either a concave or convex base condition. Gently pull True BEAST along entire ski length.

Size: 6” (150mm) ............................... $30
Jaws of The BEAST
Several thousand of our 3-point design are used on the race circuits. Most skis are a thin profile preventing a vise from gripping the sidewalls so we designed Jaws to grip either the sides of the binding plate or the AFD platform. Jaws opens to 95mm which is more than sufficient to grip the plates that are normally no wider than 60mm. Deep end support slots stabilize ski for side edge tuning. Durable and lightweight for easy travel in tool box. Clamps included. $109

Bench of The BEAST
This is a high quality bench that holds up to the toughest usage. Eric’s bench has been to Chile, Europe, New Zealand, Japan and Canada multiple times and the airlines haven’t been able to destroy it. A record the cheap Chinese imports can’t touch. Folding work table used as traveling bench for the serious racer or the tuner who doesn’t have a built-in bench at home. Heavy gauge powder coated steel with Formica covered 16" x 48" wood top insert. Plenty of space to clamp vises with extra room for tools and waxes. Extremely stable for serious tuning. $299

Waste Bag Holder
Metal hoop clamps on edge of work bench and holds a trash bag so you can keep bench clean of filings or wax scrapings. $45

Brake Retainers
Great way to hold your brakes out of the way while you tune!

BEAST Brake Bands (8 pack) .................. $3
SKS Rubber Band w/Hook (pair) ............ $7
Swix Travel Bench
Not as sturdy or durable as the BEAST Bench for everyday tuning, but lightweight for bringing to the start. Legs fold up for easy travel. Top surface is 14” x 47” painted fiberboard.  $139

Bag for Swix Travel Bench
Protects bench for travel. $60

Swix Economy Large Bench
Larger and more stable than the Swix Travel bench, but not as long or durable as the BEAST Bench. Legs fold up and one leg is adjustable. Top surface is 18” x 38” painted fiberboard.  $199

Bag for Swix Economy Bench
Protects bench for traveling. $90

Toko World Cup Vise
Three piece vise with jaw opening of 40-85mm. Integrated clamp.  $150

Swix Universal Adaptor
Clamps on end supports to make a Swix or Toko vise suitable for snowboards, super wide skis or x-country skis.  $45

Swix World Cup Vise
Three piece vise with jaw opening of 40-85mm. Integrated clamp.  $150

BEAST Wax System
Top Performance & Easy as 1 - 2 - 3
Details on pages 60-61
**BASIC TUNE KIT**

Keeping edges sharp and free from nicks and burrs will enhance your enjoyment on the slopes. Kit includes everything needed to maintain sharp edges.

Choice of 1°, 2° or 3° Pocket BEAST
Pocket BEAST .................. $40
BEAST 8” Med. Mill File ........ $15
BEAST Med. Diamond Stone .... $35
BEAST Gummi Stone .......... $10
Total Value ...................... $100

*Tune Kit Price .. $89
Add Jaws of the BEAST vise for only an additional $100

**BASIC WAX KIT**

Maintain skis in top condition with base lubrication. This kit is all you need for everyday performance. You may always add special wax for specific race conditions.

BEAST "1" Everyday Wax 400g ..... $55
BEAST Brass Brush .............. $24
BEAST Nylon Brush ............. $22
BEAST 4mm Scraper ............. $7
BEAST Coarse Fiberpads ........ $5
BEAST Fine Fiberpads .......... $5
BEAST Brake Bands ............. $3
Race Place Ski Ties (3) ........ $9
Total Value ...................... $130

*Wax Kit Price .......... $99
Add Jaws of the BEAST vise for only an additional $100

**PRO TUNE KIT**

Our most popular tune kit. All the components of the Basic Tune Kit, but upgrades to Side of BEAST and adds Plane BEAST and BEAST Juice.

Choice of 1°, 2° or 3° Side of BEAST
Side of BEAST .................. $60
Base BEAST 1° ................. $20
Plane BEAST .................... $40
BEAST 8” Med. Mill File ........ $15
BEAST Medium Diamond Stone .. $35
BEAST Juice ..................... $10
BEAST Gummi Stone .......... $10
Total Value ...................... $190

*Pro Tune Kit Price ...... $175
Add Jaws of the BEAST vise for only an additional $100

**ELITE TUNE KIT**

Our BEST Deal!

All the gear serious tuners need. This kit is for the person who demands the finest and appreciates top performance from their skis.

Side of BEAST 1° ................. $60
SOB Angle Plate 2° ............. $10
SOB Angle Plate 3° ............. $10
Base BEAST 1.5° .................. $20
Base BEAST 1° .................... $20
Plane BEAST .................... $40
True BEAST ........................ $30
BEAST 8” Med. Mill File ........ $15
BEAST Prem. Diam. - Coarse .... $35
BEAST Prem. Diam. - Medium ... $35
BEAST Prem. Diam. - Fine ...... $35
BEAST Prem. Diam. - X-Fine .... $35
BEAST Juice ..................... $10
BEAST Gummi Stone .......... $10
BEAST Brake Bands ............. $3
File Brush ........................ $10
BEAST Race Brush – Brz/HH ..... $49
BEAST Race Brush – Nylon ...... $45
BEAST Race Brush – Horsehair ... $45
BEAST Fiberpads - Coarse ....... $5
BEAST Fiberpads - Medium ..... $5
BEAST Fiberpads - Fine .......... $5
BEAST Wax Scraper ............. $7
Race Place Ski Ties (3) ........ $9
BEAST Tuning Box ............. $30
Jaws of the BEAST Vise ....... $109
Total Value ...................... $687

*Elite Tune Kit Price ...... $549

**BEAST Tuning Box**

Carry all your tuning gear in this large 20"x11"x9" tuning box. Room for vise, iron, brushes, files, stones, edgers and a separate tray for your waxes.

$30
**BEAST FILES**

*BEAST* files are noted for fast cutting and long life.

### Mill Cut

*BEAST* Mill Files are offered in several configurations to satisfy personal preferences. The 8” mill in a medium cut is the most popular for basic set-up and everyday edge maintenance. The fine cut mill files are in several sizes to satisfy the discriminating tech wishing for a little smoother edge.

- *BEAST* 6” Fine - 16mm wide .................. $11
- *BEAST* 8” Fine - 20mm wide .................. $15
- *BEAST* 8” Medium - 20mm wide ............... $15

### Short File Sections

Short file sections for use in Side of *BEAST* or Pocket *BEAST*.

- *BEAST* 70mm Mill - Medium .................. $14
- *BEAST* 70mm Pansar - Coarse ............... $14
- *BEAST* 4” Pansar - Coarse ................... $16

### File Card Brush

Steel bristles on one side and nylon on the other side makes this a necessity for cleaning debris out of the teeth of your files for smoother cutting.

$10

---

**SWIX FILES**

These new files by Swix are absolutely the finest available for ski tuning. The cost may seem high, but discriminating techs find the cutting action to be superior to any other files. Five tooth configurations for different tasks from initial set-up to fine finishing.

- **6” Finishing Cut**
  Finest tooth pattern for final filing before edge polishing. $25

- **8” Medium Cut**
  Premium all-around file for everyday edge maintenance. $25

- **8” Coarse Cut**
  Coarse cut primarily used for initial side edge set-up. $25

- **8” Mill w/Tang**
  Traditional mill file for initial edge set-up.
  - Medium/Coarse 12tpcm ...................... $19
  - Medium 14tpcm ............................... $19

- **4” World Cup Stainless Steel**
  Last 10 times longer than traditional files.
  - Medium 13tpcm .............................. $89
  - Fine 17tpcm .................................. $89
**POLISHING STONES**

**Boride Polishing Stones**
Professional polishing stones for a smooth and fast finish on racing ski edges. Most techs prefer to lubricate with BEAST Juice. 1/8” x 1” x 6” size works well in Base BEAST and Side of BEAST.
Available in: 220, 320, 400 or 600 grit $10

**Complete set of four Boride Stones**
Special Price! $35

**Ceramic Stones**
Ceramic can give one of the most polished final edge finishes. Recommended to use with BEAST edge tools and BEAST Juice for most accuracy and finest polish. 1” x 5” stone available in two grits.
Fine-1200 grit $20
Medium-600 grit $20

**BEAST Gummi Stone**
Abrasive silicone carbide particles are embedded in hard rubber. An essential tool for de-burring of edges after filing or polishing. Lightly run down edge at 45˚ angle to remove the minor burr.

$10

**DIAMOND STONES**

**Moonflex Diamond Stones**
A unique swirl pattern of diamonds allow these stones to cut and polish in the same stroke. World Cup techs discovered Moonflex several years ago. 4” length in five grits.
- Blue - X-Fine 1500 grit $35
- White - Fine 600 grit $35
- Yellow - Medium 400 grit $35
- Red - Coarse 200 grit $35
- Black - X-Coarse 100 grit $35

**Swix Diamond Stones**
Diamond stone pattern gives excellent cutting and polishing ability. Offered in a 4” length in five grits.
- TAA1000 - X-Fine 1000 grit $37
- TAA600 - Fine 600 grit $37
- TAA400 - Medium 400 grit $37
- TAA200 - Coarse 200 grit $37
- TAA100 - X-Coarse 100 grit $37

Made in USA
Diamond stones are the most important abrasive device in your tool box. Use coarse ones for removal of burrs and initial polishing and a progression of finer stones for final edge polishing. Use wet with BEAST Juice to reduce clogging and increase stone longevity.

**BEAST Premium Diamond Stones**
Superb cutting and polishing action with excellent anti-clogging properties. Premium industrial grade diamonds are anchored in electroplated nickel and adhered to a rigid color coded anodized aluminum backing bar. Best durability of any diamond we have tested. Four grits to cover all of your polishing needs. 1" x 4".

- **Premium industrial grade diamonds**
- **Rigid metal backing for more precision**
- **Anti-clogging design**
- **Excellent durability**
- **Four grits**

Silver - X-Fine 800 grit ............................................. $35
Gold - Fine 400 grit ................................................. $35
Red - Medium 220 grit ............................................ $35
Black - Coarse 120 grit ............................................ $35

**Set of four BEAST Premium Diamond Stones**
Get all the stones needed for race tuning your edges. Using a progression of grits from coarse to x-fine will absolutely improve the performance of your skis.

**Save when purchasing all four grits!**
Special Price! .................. $119

**BEAST "Juice"**
Lubricant developed for use with diamond and other polishing stones. Reduces clogging of stones and increases cutting and polishing action. Simply spray the water soluble BEAST Juice on the stone. Compatible with ski bases and waxes.

Two ounce spray bottle. ...... $10
Eight ounce spray bottle ....... $19

**Polishing Tips**
1 - Polishing procedures are best done using diamond stones in bevel and edging tools such as Base BEAST and Side of BEAST. Always polish both base and side edges.

2 - Initial polishing with coarse stone is necessary to remove striations in edge as a result of filing. Use a progression of finer stones in subsequent passes.

3 - Keep stones clean. BEAST Juice sprayed on stones reduces clogging of the stone and increases cutting and polishing performance of the stone.

**DMT Diamond Stones**
The original ski tuning diamond has been in every techs tuning box for burr removal and polishing edges. 70mm or 4" sizes.

Green - X-Fine 1200 grit
Red - Fine 600 grit
Blue - Medium 325 grit
Black - Coarse 220 grit
Silver - X-Coarse 120 grit

70mm ................................... $12
4" .......................................... $22
Red Creek/Toko has the complete roto-brush system. A brush for every purpose.

A. Control Handle
Handle with protective shield and shaft.
$70

B. Brass
Cleaning structure. Follow with fiberpad.
$99

C. Stiff Horsehair
Brushing out harder waxes.
$59

D. Black Nylon
Brushing out softer waxes.
$59

E. Grey Nylon
Final polishing of wax or fluoro overlays.
$59

F. Cork Roller
Generates heat to "lock in" your speed overlays.
$55

BEAST Brass
Clean base structure before waxing and remove any possible oxidation to allow wax to penetrate. 3" x 5" $24

BEAST Nylon
All-time standard for structuring most wax. 3" x 5" $22

BEAST Horsehair
Final polishing of wax including fluorocarbons. 3" x 5" $22

Set of all three ............... $59

Steel–T01790
Break-in brush or hard wax removal. $69

Coarse Bronze–T01580
Pre-wax base clean or hard wax removal. $55

Medium Bronze–T01620
General hard–medium wax removal. $55

Horsehair–T01570
Anti–static final wax brushing. $45

White Nylon–T01610
Soft–medium wax removal. $45

Blue Nylon–T01600
General final polishing. $45
Race Brush System

Fast skis don’t just happen. Start with a good grind followed by extensive brushing. BEAST Race Brushes designed by top speed skiers with critical elements of type, diameter, length and quantity of fiber in each tuft and spacing of tufts. They even have a flexible strap so a brush will lie on its back and not roll over and become contaminated with bench top debris.

We can’t guarantee podiums, but your skis will be faster with BEAST Race Brushes.

**BEAST Soft Stainless Steel/Horsehair Oval**
Pre-waxing base conditioning brush to remove oxidation and enhance structure with gentle cutting action of fine steel fibers. Many use it as a post-waxing brush for removing extremely hard waxes. $49

**BEAST Stiff Bronze/Horsehair Oval**
Belongs in every tuning box. Prep brush to condition base before waxing or as a post waxing brush for removal of medium to hard wax. $49

**BEAST Soft Bronze/Horsehair Oval**
Soft bronze fibers and horsehair outer ring. Fine flexible bronze fibers will get deep into base structure for removal of medium waxes. $49

**BEAST Nylon Oval**
Standard for post-wax brushing for every day training. Especially suited for removal of softer waxes on coarse structured skis. $45

**BEAST Horsehair Oval**
Brush with firm anti-static horsehair gets excess wax or overlays out of the structure. Use separate brushes for waxes and overlays. $45

**BEAST Soft Brown Horsehair Oval Polishing**
Polish with soft anti-static horsehair is final step in prep for overlays. Longer and softer fiber than normal horsehair. $45

**BEAST - Race Brush Sets**
- Set of Two - Stiff Bronze & Horsehair ..........................................................$79
- Set of Three - Stiff Bronze, Horsehair & Nylon ..........................................$109
- Set of Six - One of each brush ..................................................................$219

**What does brushing accomplish?**
1 - Stainless steel or the Stiff Bronze assists in "breaking in" the structure pattern by mellowing out the sharpness of a grind and etching a micro-structure in the base. They also are helpful to remove oxidized or sealed base material and opening the pores so the base will accept and retain more wax.
2 - Soft bronze, nylon or horsehair removes excess wax from the structure pattern to maximize gliding.
Swix North
Compact design for ease of travel. 800 watts with a temp range of 100°C to 150°C. $40

Swix T-77
Economically priced iron with ergonomic handle and temperature adjustment wheel. Thick bottom heat plate for more consistent temperature control. $55

Swix T-73 Digital
Thick 18mm plate for even heat distribution. Convenient adjustment wheel to set heat from 80°C to 180°C. $130

Swix T-72 Digital Racing
This is about as good as it gets in race performance wax irons. Precision micro-processor with digital temp regulation. Rear of the thick 12mm heat plate is angled up for ease in applying overlays. $339

Toko T-8
800 watts of power with thermostat controlling heat from 212°-320° F. Thick heat plate with structure grooves for improved wax distribution. $69

Toko T-14 Digital
Added power at 1200 watts and precise digital micro-processor for absolute temp control. Structure grooves spread wax evenly. $139

Toko Iron Cover
Heat resistant padded bottom lets you stow warm iron and protects iron for travel. Fits all Toko irons. $29

Swix Iron Cover
Heat resistant padded bottom lets you stow warm iron and protects iron for travel. Fits all Swix irons. $29

Swix Iron Holder
Mounts on workbench to reduce risk of dropping iron on floor. $45

Wax Iron Features
Many irons look alike and all give out heat, but there are many differences. Ski wax irons generally have a thicker heat plate to better retain the heat, more heating elements for even heat and a precise thermostat.
Cheap household irons don't retain heat well and quickly cool when in contact with a room temp ski base. They eventually heat up again, but will continue to have heat pulled out of them until the ski base sufficiently warms. A danger is that people turn up the heat and burn the base plus the thermostat has relatively wide fluctuations.
A few extra dollars for a ski wax iron is a small price when waxing $900 skis.
Scraper Sharpening Tips
Scraper sharpeners quickly return scraper to original sharpness. Serious tuners polish scraper edge to a fine finish with BEAST Paper. Lay sheet of 100-150 grit paper on bench and run scraper back and forth until smooth and sharp. A 90° angle bar like a Side of BEAST frame is ideal for this purpose as illustrated.

BEAST Wax Scraper
Super-hard acrylic scraper with a laser cut and hand-polished smooth edge. $7

Steel Scraper
Carbon steel for sharp edge. $10

MANTAC Electric Wax Scraper Sharpener
ULTIMATE for sharpening your acrylic wax scrapers. Extremely fast and precise. Ideal for the person or family that has multiple skis to wax and need lots of sharp scraper edges. Slowly run scraper through the slot and the sharp spinning cutting blade will restore the sharpness. $179

Toko Scrapper Sharpener
A must for the serious tech! Durable ceramic blade with slots for thin or thick plexi scrapers. Quickly plane your scrapers to original sharpness. $37

Swix Electric Wax Scraper Sharpener
New from Swix for sharpening acrylic wax scrapers. Just a few passes over the internal rotating planer blade and the scraper edges are returned to original sharpness. $180

Swix Scrapper Sharpener
Mount on your workbench to sharpen plastic wax scrapers. Plastic frame holds pansar file section. Standard 40mm model or 100mm model for smoother sharpening.

- 40mm ..................... $19
- 100mm .................... $40

Digital Thermometer
Pocket size with digital reading in both °F and °C. Waterproof with protective case over stainless steel probe. Take several readings along length of course and digital memory displays high and low. $30

Swix EVO Pro Edge Tuner
Electrical side edge tuner for angles from 0° to 5° in 1° increments. Diamond discs available in X-Fine, Fine, Medium and Coarse grits for new angle set-up or edge polishing. One Fine disc is included.

- EVO with Fine disc ......................... $500
- Spare Disc – X-Fine ....................... $80
- Spare Disc – Fine .......................... $80
- Spare Disc – Medium .................... $80
- Spare Disc – Coarse ...................... $80

Toko Thermometer
Pen size thermometer that reads in C° and F° with protective housing. $20
**CORKS AND BUFFERS**

**Natural Cork**
Apply max pressure with cork and generate heat to lock-in overlays to the base.  $6

**Toko Plasto Cork**
Top techs choose synthetic corks for overlays to create more heat than natural cork.  $7

**Toko Thermo Pad**
Buff in race overlays with this felt pad.  $8

**Swix Cera F Cork & Felt**
Felt pad on wood block to buff overlays into base for longer lasting top speed.  $12

**Toko Dual Pad**
Yellow side for pre-polishing before overlays and the other side for post-polishing...  $19

**Fiberlene**
Fine fibrous for final step in base cleaning and polishing.  25 meter roll.  $8

**BEAST Coarse (Maroon)**
Cut base burn fuzz before waxing and use after any base structuring or metal brushing. Use wrapped around a file or block and run up and down base. Also handy to clean glide plates of tools.  $5

**BEAST Medium (Grey)**
Final polish of base structure before waxing to create faster base. Wrap around file or block and run up and down base.  $5

**BEAST Fine (White)**
Non-abrasive pad for polish of wax after final brushing to remove fine wax granules.  $5

**BEAST Paper**
Silicon carbide stearate non-clogging base paper. Flatten high base with coarse grit and fine tune base structure or polish edge with finer grits. Choose grit of 80, 100, 120, 150, 180, 240, 320, or 400. Four 5.5”x9” sheets/pack  $4

**Toko Plasto Cork**
Industrial quality Fiberpads with abrasive resin coating specifically for ski tuning. (Two 4.5” x 6” per pack)  $5

**Toko Thermo Pad**
Buff in race overlays with this felt pad.  $8

**BEAST Coarse (Maroon)**
Cut base burn fuzz before waxing and use after any base structuring or metal brushing. Use wrapped around a file or block and run up and down base. Also handy to clean glide plates of tools.  $5

**BEAST Medium (Grey)**
Final polish of base structure before waxing to create faster base. Wrap around file or block and run up and down base.  $5

**BEAST Fine (White)**
Non-abrasive pad for polish of wax after final brushing to remove fine wax granules.  $5

**BEAST Paper**
Silicon carbide stearate non-clogging base paper. Flatten high base with coarse grit and fine tune base structure or polish edge with finer grits. Choose grit of 80, 100, 120, 150, 180, 240, 320, or 400. Four 5.5”x9” sheets/pack  $4

**Fiberlene Pro Paper**
Use between iron and base to absorb excess wax and dirt. Pack of 100 5” x 9” sheets.  $29
**Frequently Asked Waxing Questions**

**Wax Principles**
Waxes are lubricants applied into a base to reduce friction between base and snow. Three types of friction require specific lubrication.

**Dry Friction**
Occurs when dry snow granules come in contact with the ski base. The solution to enhance glide is to use a hydrocarbon wax that is slightly harder than the snow particles. If a wax is too soft the snow crystal will penetrate into the wax causing a grippy base. However, if the wax is too hard the coefficient of friction will be higher and the base will be less slippery.

**Wet Friction**
Wet friction occurs with a high moisture content snow creating suction between base and snow. A fluorocarbon additive is necessary to reduce the wet friction. However, it's important to not use too much fluorocarbon as it will increase the dry friction and reduce glide.

**Electrostatic Friction**
Static electricity is generated when a base runs on snow creating an electrostatic attraction between the ski and snow. Visualize the attraction of socks that have been in a clothes dryer. Graphite is commonly introduced into the base to reduce static electric.

**What Wax Brand is Fastest?**
Each major brand proclaims victories, but they are really quite similar in their basic formulation. It's usually best to select one top brand and learn the characteristics of each of their products so you will make the correct choice for the particular conditions of the day.

Bouncing around to find a "miracle" wax is usually self-defeating. We often hear of a chemist who has developed a "secret formula". Don't you believe the entire race world world would be using it if there were such a wax?

Choosing one and following their recommendations will help to simplify your waxing program.

Waxes have traditionally been made for very specific snow conditions and temperatures. However, recent developments have brought waxes that automatically adjust their hardness and perform well over a broad range of conditions. This makes it a lot easier to have the right wax rather than guessing at what the conditions will be on the mountain. The new line of BEAST Waxes cover broad temperature ranges making it easy to get the right wax call every time.

**What Iron Temperature?**
Set iron as cool as possible, but warm enough so wax will easily melt. With the wax flowing freely off the iron it's best to run a zig-zag trail of wax the full length of the base. This makes it easier to get even saturation across the whole base.

The iron will initially cool when coming into contact with the base as the cooler base material draws the heat from the iron. Don't turn up the iron as it may damage the base. Just be patient and take time for the base to gradually warm. A high quality ski wax iron will hold a specific temperature much better than a household iron and will not have the heat drawn from it making for more efficient waxing.

*If the wax is smoking the iron is too hot!*

**Is Fluorocarbon Faster?**
While fluorocarbon is used in the most expensive waxes a tech must not fall into the trap of expecting more expense to always be faster. Fluorocarbon is a hydrophobic material to repel moisture. In low humidity or low moisture a high fluorinated wax may reduce speed as it increases dry friction. Use a low or mid-fluoro wax if in doubt.

Fluorocarbon is added to hydrocarbon wax in varying proportions to suit the conditions. Wax companies don't list the exact amount of fluorocarbon, but the chart below is a general approximation.

**Fluorocarbon Chart**

<table>
<thead>
<tr>
<th>Type</th>
<th>Fluoro Amount</th>
<th>Humidity Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lo-Fluoro</td>
<td>1-4%</td>
<td>under 40%</td>
</tr>
<tr>
<td>Hi-Fluoro</td>
<td>5-10%</td>
<td>50%+</td>
</tr>
</tbody>
</table>

Left ski is treated with basic hydrocarbon wax. Right ski has a high fluorinated wax that illustrates how the water "beads" and is repelled.

**What is Base Prep Wax?**
Base prep waxes were developed to quickly penetrate a base during initial ski preparation. They are a hydrocarbon based wax to condition and lubricate the base to prevent it from drying out. New skis normally come from the factory with insufficient lubrication and should definitely be prepped before use.

Base prep wax is also used as travel wax to iron into your base preventing exposure to air for extended periods that causes oxidizing. Leave wax unscraped until you are ready to prep for use.

**How do I Prevent Base Burn?**
Base burn is caused when abrasive snow rubs on a base with insufficient lubrication. The base becomes fuzzy and will not glide well. Remove fuzzy material by ironing in a hard wax and scraping with sharp scraper after wax has cooled.

Prevent base burn by fully saturating base with multiple waxing of medium to hard waxes and applying an extra cold powder in base near edges.

**What is Hot Scraping?**
Preferred method to clean race ski bases. Iron on soft hydrocarbon or Base Prep wax and scrape while wax is still liquid or soft. Impurities in base float to the surface and are removed by scraping. Repeat several times to purge all contamination and old wax.
Where have all the Fluoro's gone?
Gone to graveyards everywhere.
Will they ever return?
Yes, they have returned!
(Parody of a Pete Seeger song from the 50's with many versions through the 60's and 70's)

What is Fluoro?
Fluoro has been mainstream for over 60 years as an anti-stick coating to repel oil, water and dirt from sticking to clothing and cooking pots and pans. The most famous application is Teflon.

The ski industry recognized the anti-stick of fluoro's in the 1980's and how applying it to a ski base repelled snow moisture and friction to increase the speed of skis. Two fluoro classes were used in ski wax, but EPA research found that the most common C8 fluoro class has a negative environmental effect and they committed to eliminating these fluoro's by 2015. Some fluoro wax products have been withdrawn from the US market as a result of EPA regulations.

C6 class of fluoro was developed with similar anti-stick qualities, but without negative environmental effects. Ski wax with C6 technology is approved by the EPA and being used in BEAST and other wax that has EPA approval.

Wax System
Easy as 1–2–3!

Why?
Waxing is so complicated that even the top techs have difficulty making the right wax decision. World Cup techs have monitors up and down the race course feeding them info about the snow temp and humidity so they can guess at the right race combination. However, they are making wax calls hours before the race starts. Have you ever seen the weather change from the forecast?

Many brands have a multitude of wax types split into several categories: Imagine the difficulty in determining exact snow temperature, snow conditions (coarse, fine, fresh, old, etc.) humidity and snow moisture so you can match up the exact wax type? It’s as complicated as Rocket Science!

What?
Waxing can be easy as 1–2–3 and we found proven formulas used at top levels of racing. Thermoactive ingredients are added to automatically adjust wax hardness to match snow temp.

BEAST Waxes offer top performance over a broad spectrum of snow conditions eliminating the guesswork of waxing. You always have the right wax call!
**BEAST - 1**
Broad temperature with specialized hydrocarbon that has thermoactive ingredients for your best choice for training or recreational wax in snow temps of 12° - 32°F.

400g bar............................ $55

**BEAST - 1G**
Graphite added to increase lubrication in abrasive snow and also works well in new snow. Best in temp range 8° - 32°F.

400g bar............................ $55

**BEAST - 1C**
When the temperature drops below 10°F reach for **BEAST 1C** Super Cold Glide Wax to keep you moving fast.

100g bar............................ $35

**BEAST ZERO**
Deep penetrating base conditioner. Combo of ultra-soft wax to deeply saturate and lubricate the base and an ultra-hard wax that stays close the surface for abrasion protection.

400g bar............................ $55

**BEAST ZERO - G**
Add Micro-Graphite to ZERO for an anti-static formula to repel dirt and reduce static electricity. A must for GS, SG and DH.

400g bar............................ $55

**Race Performance Wax**
**BEAST - 2**
Race performance wax with Lo-Fluoro effective in a broad temp range of 10°- 32°F in Low-Med moisture conditions.

100g bar............................ $55

**BEAST - 2+**
Full on Hi-Fluoro race wax when conditions are a bit warmer and higher moisture content in the snow. Temp 14° - 32°F.

40g bar............................. $55
100g bar............................ $99

**Race Overlay**
**BEAST - 3**
Universal full fluoro liquid overlay for the finishing race layer. Great acceleration in temp range of 5°-2°F. Spray on, polish with felt pad and brush with horsehair.

70G................................. $99

**Hi-Performance Package**
Just call it a Super Deal!
ZERO-G 400g..................... $55
1 Glide Wax 400g................ $55
1-C Cold Glide 100g............ $35
2 LoFlo Race 100g.............. $55
2+ HiFlo Race 100g............ $99

Total Value........................ $299
Package Deal.................... $259

**Base Prep**

**Essential Race Package**
Wet, every day & ultra cold!
1 Glide Wax 400g............... $55
1-C Cold Glide 100g............ $35
2+ HiFlo Race 100g............ $99

Total Value........................ $189
Package Deal.................... $159
Dominator offers their Speed System as the perfect wax system choice for the discriminating tech who is savvy about snow conditions and has the expertise to squeeze the last bit of speed out of the skis.

These World Cup level waxes are formulated for specific conditions and performance requirements and the system is designed to easily choose the optimum wax for your needs depending on the snow temperature and snow moisture.

---

**TEMPERATURE SPECIFIC WAXES**

**Hydrocarbon - “Basix”**
Highly refined wax for recreational skiing, racing in very low moisture snow, base cleaning and conditioning and travel waxing. Most used wax that should always be present in the ski base. Similar to putting oil in your auto engine.

- HX-77, HX-88 or HX-99 (HX99 only available in 100 gram)
  - 100g ................................... $29
  - 400g ................................... $52

**Lo-Fluoro**
Full-on race wax in dryer snow conditions under 35% humidity. Excellent choice as everyday wax for recreational skiing, race training and young junior racing.

- FX-77 or FX-88
  - 40g ..................................... $32
  - 100g ................................... $52

**Mid-Fluoro**
Best suited for the 35%-70% humidity range that is common at most mountains. This should be your choice of race wax where the humidity is unknown.

- FX-44, FX-55 or FX-66
  - 40g ..................................... $55
  - 100g .................................. $99

**Hi-Fluoro**
Designed and tested for top level racing when snow has high moisture content or the humidity exceeds 70%. Iron in and brush out. Great alone and even better when enhanced with an overlay for specific conditions.

- FX-11, FX-22 or FX-33
  - 40g ..................................... $75
  - 100g ................................... $139
THE ZOOM SERIES

Dominator’s Easy All-Temperature Waxes

Why use all-temperature waxes? Because...
- Not everybody has a thermometer.
- You wax the night before without knowing race conditions.
- The weather changes.

ZOOM
Original all-temp wax. Specialized hydrocarbon with thermoactive ingredients to broaden the temp range. Good for recreational skiing or as training wax in most snow temps.

- 100g ......................................... $29
- 400g ......................................... $52

Graphite ZOOM
Zoom with addition of graphite for enhanced performance with black base skis. Graphite is blended in as an anti-static and also gives increased lubrication in abrasive snow.

- 100g ......................................... $29
- 400g ......................................... $52

Hyper ZOOM
All temp Zoom blended with low level fluoro as a moisture repellent for increased performance in low humidity.

- 60ml Paste ................................ $29
- 40g Bar ..................................... $33
- 100g Bar .................................... $55

Race ZOOM - New Snow
Formulated for fresh snow (natural or man-made) up to 3 days old. Blend of all-temperature Zoom, mid-fluoro and anti-static for top race performance.

- 40g ........................................... $55
- 100g ......................................... $99

Race ZOOM - Old Snow
All-temp wax for snow at least three days old with rounded crystals. Blend of Zoom, mid-fluoro and fluorographite polymer in a compound taking guesswork out of high performance waxing.

- 40g ........................................... $55
- 100g ......................................... $99

BASE PREP WAX

All skis benefit by use of base prep waxes. Most skis come from factory with “dry” bases and it’s necessary to fill bases with lubrication similar to putting oil in your auto engine.

Renew
Deep penetrating conditioner. Combination of ultra-soft wax to deeply saturate and lubricate base and an ultra-hard wax that stays close to the surface for abrasion protection.

- 100g ......................................... $29

Graphite Renew
Micro-graphite formulation of ReNew for anti-static. Clear base skis will discolor from the graphite, but we recommend the Graphite ReNew as the best base conditioner.

- 100g ......................................... $29

RACE Renew
Success at the last Olympics contributing to 7 medals! Advanced technology additives including SRB. Use under race wax to increase absorption and generate more speed.

- 100g ......................................... $55
Momentium Paste
Spread thin layer on base with application pad, let dry, polish and brush out.
Cold - 8°C and colder or Warm - 8°C and warmer
40g ....................$30
100g ..................$60

Electrostatic friction can increase friction of a base on ice by 65%, so elimination of static electricity is critical to achieve high speed. New snow and old snow crystals generate static charges differently and require different antistatic agents. Dominator has developed two anti-static formulations that techs use as a blend with the normal choice of race wax.

Micro-Graphite
Ultra fine electroground graphite combined with low fluorination provides good anti-static lubrication for base in fresh snow at humidity under 35%.
FG-77 (5˚F to 20˚F)  FG-88 (above 20˚F)
40g bar ...........................................$35
100g bar .......................................$60

SRB Fluorographite Polymer
Fluorographite anti-static lubricant gives a real boost in old snow and has a broad humidity range. Use on any snow, but excels on old snow.
SRB-11 (5˚F to 20˚F) SRB-32 (above 20˚F)
40g bar ...........................................$89
100g bar .......................................$149

Micro-Graphite
Ultra fine electroground graphite combined with low fluorination provides good anti-static lubrication for base in fresh snow at humidity under 35%.
FG-77 (5˚F to 20˚F)  FG-88 (above 20˚F)
40g bar ...........................................$35
100g bar .......................................$60

SRB Fluorographite Polymer
Fluorographite anti-static lubricant gives a real boost in old snow and has a broad humidity range. Use on any snow, but excels on old snow.
SRB-11 (5˚F to 20˚F) SRB-32 (above 20˚F)
40g bar ...........................................$89
100g bar .......................................$149

Race Rocket
Mid-fluoro race pack containing a 20 gram bar for new snow, a 20 gram bar for old snow and two synthetic corks for rubbing into base. Great 2nd run wax. $50

“Flash R6” Paste
SRB additive makes it excel in dry snow -5°F to 25°F. Rub on with applicator sponge, let dry, rub in and brush out.
50 ml .................$79

Missile Liquid Spray
Universal fluoro liquid overlay for finishing race layer. Great acceleration in temp range of 5˚-2°F. Spray on, polish with felt pad and brush with horsehair.
70g .........................$99

Race Butter
When you hit the slop Race Butter is an excellent choice. Works best to rub on with Q6, work into base with white fiber pad and brush out. 40 gram bar. $55

BULLET "EXTREME" COLD WAX

Bullet
Hydrocarbon formulation for super cold days under 5°F when snow is too abrasive for most wax.
100 gram .........................$33
Holmenkol Hydrocarbon Basic Wax
Primary wax for everyday use. First step in race ski prep.
- Alpha Mix Yellow - (25° to 32°F)
- Beta Mix Red - (7° to 25°F)
- Ultra Mix Blue - (-4° to 18°F)
 70 gram .......... $16 150 gram .......... $26

Holmenkol Low Fluoro Racing Wax
Broad temperature low fluoro basic wax for aggressive, icy, man-made or wet snow. Iron into base.
(-4 to 31°F)
 70 gram .......... $42 150 gram .......... $72

Holmenkol Hi-Fluoro Racing Mix Wax
Iron in high fluoro wax for maximum acceleration and glide.
- Racing Mix Wet - (25° to 32°F)
- Racing Mix Mid - (14° to 25°F)
- Racing Mix Cold - (-13° to 14°F)
 70 gram .......... $54 150 gram .......... $100

Holmenkol Hi-Fluoro GW-25 Additive
Combine with Hydrocarbon, Low-Fluoro or Hi-Fluoro Racing Mix waxes for custom levels of fluorination.
 70 gram .......... $99 150 gram .......... $159

Holmenkol Syntec WC HF
New eco-friendly high fluoro hot wax formulation.
- Speed Block Wet - Wet Snow (21° to 32°F)
- Speed Block Mid - Wet to Med Snow (10° to 25°F)
- Speed Block Cold - Dry Snow (-4° to 10°F)
 71 gram .......... $80 150 gram ....... $140

Holmenkol Hi-Fluoro Racing Mix Wax
Iron in high fluoro wax for maximum acceleration and glide.
- Racing Mix Wet - (25° to 32°F)
- Racing Mix Mid - (14° to 25°F)
- Racing Mix Cold - (-13° to 14°F)
 15g ........................................... $139

Holmenkol Syntec Stick
Overlay for wet snow in temp range of 21° to 32°F.
 30g ....................... $159

Holmenkol Speed Paste
Overlay for wet snow in temp range of 21° to 32°F.
 30g ....................... $199
**HFBWX - Black Wolf High Fluorinated**
Black Wolf features high fluoro content and a shear-type solid lubricant to give added abrasion resistance and lubrication with exceptional water and dirt repellency. Use when high humidity and coarse-grained, man-made or new snow.

HFBWX4, HFBWX5, HFBWX6, HFBWX7, HFBWX8 or HFBWX10

- 40g bar ...............$78
- 180g bar .................$275

**HFX - High Fluorinated**
Blend of hydrocarbon and fluorocarbon for race performance in higher humidity.

HFX4, HFX5, HFX6, HFX7, HFX8, HFX10 or HFX12 (20g HF7 & 20g HF8)

- 40g bar ................$78
- 180g bar .................$275

**LFX - Low Fluorinated**
Race wax in low humidity or performance training wax. LFX4, LFX5, LFX6, LFX7, LFX8, LFX10 or LFX12 (20g of LFX6, LFX7 & LFX8)

- 60g ............$27
- 900g Combi ......$259
- 180g bulk ............$70
- 900g bulk ...........$259

**CHX - Hydrocarbon**
This is the traditional and economical everyday recreational, training or club racing waxes.

CHX4, CHX5, CHX6, CHX7, CHX8 and CHX10

- 60g bar ..............$11
- 180g bulk ..........$32
- 900g bulk ..........$89

CHX12A Combi Pack (360g CHX5, 180g each of CHX6, CHX7 and CHX8)

- 900g Combi ..........$89
Base Prep Wax
Special hydrocarbon wax allowing greater absorption of wax into base. Use BP77 for cold skis, BP88 universal wax and BP99 for 1st wax & hot boxing.

180g ........................................... $29
900g ........................................... $89

Moly Fluoro Conditioner
Recondition black bases to prevent from drying out or oxidizing. May be used alone as a universal wax or as a base for other waxes.

60g ........................................... $27
180g ........................................... $69
900g ........................................... $259

CH3 Cold Powder
Increase the hardness of your wax for extreme cold or to prevent base burn in abrasive snow. Sprinkle on with hydrocarbon wax and iron in. 30g Temp: -26° to 12°F ...................... $27

LF3 Cold Powder
Hard fluoro powder to increase the hardness of your wax when needed to reduce abrasiveness in conditions calling for fluorination. 30g Temp: -25° to 14°F ...................... $35

Cleaner/Conditioner
For years there has been a struggle to purge the old fluoro from race skis because it could build up and prevent the new wax from properly penetrating into the base. The solution is the Swix Glide Wax Cleaner that removes the old fluoro while leaving the hydrocarbon wax intact. Apply cleaner and brush with nylon brush while wet. Wipe clean, let dry 5-30 minutes and brush with stiff bronze or soft stainless brush. Iron in base prep wax.

150ml Spray ........................................... $22
500ml Liquid ........................................... $39

Ground Ship Only

Fiberlene
Fine fibrous for final step in base cleaning and polishing. 25 meter roll. $8

Fiberlene Pro Paper
Use between iron and base to absorb excess wax and dirt. Pack of 100 5” x 9” sheets. $29

Swix recommends these ideal iron temperatures by category of Swix wax.

<table>
<thead>
<tr>
<th>Category</th>
<th>Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>300°F</td>
</tr>
<tr>
<td>6</td>
<td>280°F</td>
</tr>
<tr>
<td>7</td>
<td>275°F</td>
</tr>
<tr>
<td>8</td>
<td>245°F</td>
</tr>
<tr>
<td>10</td>
<td>230°F</td>
</tr>
</tbody>
</table>
**Toko Wax Temps**
Blue (-22° to 14°F), Red (10° to 25°F),
Yellow (21° to 32°F), AX134 (27° to 32°F)
or Black (-22° to 32°F)

**Toko - Performance LF Race Wax**
New eco-friendly low fluoro race wax geared for low to moderate moisture conditions.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>Soft, damp snow</td>
<td>(-22° to 14°F)</td>
</tr>
<tr>
<td>Blue</td>
<td>Hard aggressive snow</td>
<td>(10° to 25°F)</td>
</tr>
<tr>
<td>Red</td>
<td>Medium to hard snow</td>
<td>(21° to 32°F)</td>
</tr>
<tr>
<td></td>
<td>Dirty or aggressive snow</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 gram bar</td>
<td>$22</td>
</tr>
<tr>
<td></td>
<td>120 gram bar</td>
<td>$50</td>
</tr>
</tbody>
</table>

**Toko - Performance HF Race Wax**
A new fluorination recipe designed for performance in moderate to high moisture conditions.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>Soft, damp snow</td>
<td>(-22° to 14°F)</td>
</tr>
<tr>
<td>Blue</td>
<td>Hard aggressive snow</td>
<td>(10° to 25°F)</td>
</tr>
<tr>
<td>Red</td>
<td>Medium to hard snow</td>
<td>(21° to 32°F)</td>
</tr>
<tr>
<td></td>
<td>Dirty or aggressive snow</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 gram bar</td>
<td>$55</td>
</tr>
<tr>
<td></td>
<td>120 gram bar</td>
<td>$120</td>
</tr>
</tbody>
</table>

**Toko - Base Performance Wax**
Primary hydrocarbon wax for training or recreational skiing.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>Soft, damp snow</td>
<td>(-22° to 14°F)</td>
</tr>
<tr>
<td>Blue</td>
<td>Hard aggressive snow</td>
<td>(10° to 25°F)</td>
</tr>
<tr>
<td>Red</td>
<td>Medium to hard snow</td>
<td>(21° to 32°F)</td>
</tr>
<tr>
<td></td>
<td>Deep penetrating base prep</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 gram bar</td>
<td>$22</td>
</tr>
</tbody>
</table>

**Toko Wax Remover**
Cleaning fluid in 180ml pump sprayer.
$15

*Ground Ship Only*

**Toko Logo Tape**
PVC Logo or Sidewall Masking $10

*We don't recommend wax remover on race ski bases, but sometimes you need to remove the 'goo'.*
WEND uses Meadowfoam oil as a key ingredient in high performance waxes. Meadowfoam is an annual herb that grows on the Pacific Coast. Oil extracted from their seeds are used as industrial lubricants and in skin cosmetics. Natural, 100% biodegradable and a very slippery lubricant!

**WEND NF Performance Wax**
NF wax with Meadowfoam, a natural, biodegradable lubrication. Performance and durability with Meadowfoam. Five choices for all conditions.
- 100 gram bar ................................... $11
- 400 gram bar .................................. $50
- 1 kilo bar ..................................... $75

**WEND MF Natural Race Wax**
MF has a high percent of Meadowfoam that works like fluoro, but is bio friendly, resists dirt and increases speed. Four choices for all snow temperatures.
- 100 gram bar .................................. $45

**WEND HF Race Wax**
Combining the water repellant of fluoro with the great lubricity of Meadowfoam for ultimate top performance wax. Four choices for all conditions.
- 100 gram bar .................................. $70

**WEND Race Overlays**
Top coat over iron-in race wax.
- HF Hot Start Cube
  - 20 gram cube ................................ $160
- MFHF Hot Start Cube
  - Hi fluoro to rub on and brush out.
  - 20 gram cube ................................ $200
- HF 12X Race Powder
  - Pure fluoro best to iron in and brush out.
  - 10 gram ..................................... $50

**WEND Universal Race Wax**
Three choices to perform in broad temperature ranges from 10° to 40°F. NF has a small amount of Meadowfoam and is a great training wax.
- 100 gram bar ................................. $11
- 400 gram bar ................................. $50

MF has a high percent of Meadowfoam for greater race performance.
- 100 gram bar ................................ $45

HF a combination of Meadowfoam and Fluoro for top performance.
- 100 gram bar ................................ $70

**WEND MF Natural Liquid Hot Box**
Meadowfoam and other natural agents in a liquid to deeply penetrate and condition bases much like the traditional hot box.
- 4 oz ........................................... $70

**WEND MF Cleaner/Conditioner**
Clean bases from contaminants such as dirt, fluorocarbons and emulsions from base grinding. Contains Meadowfoam as a conditioning agent.
- 4 oz Spray ..................................... $16
- 16 oz. Spray .................................. $48

**Are you RACE PLACE cover material?**

$3,000 Award to racer selected for next year front cover
**BASE REPAIR**

Repair of base gouges is a fairly easy task for the mechanically inclined if you follow the steps below.

**Analyze Damage** - Minor lengthwise scratches under foot don't adversely affect performance, but gouges across the base or any gouges in tip or tail require repair.

**Prepare Repair Area** - Clean with base cleaner and trim ragged edges with a sharp blade.

**Minor Repair** - Small repairs may be done by lighting a P-tex candle and flowing melted material into the gouge, but these repairs should be considered as temporary as the material doesn't bond very well. A better method for deeper gouges is to melt P-tex wire into gouge with a chisel tip soldering iron available at hobby stores. P-tex wire is a harder material than the candle and has a longer lasting life.

A repair pistol with special P-tex rods is a newer approach and works well for a DIY at home. They are scaled down from the very costly extruders used in hi-tech shops.

**Core Shots** - Repair along edge or where core is exposed requires Metal Grip, a combo of P-Tex and epoxy. The epoxy bonds to the edge or core for a lasting repair. Use a chisel tip soldering iron to bond a thin layer of Metal Grip and fill balance of gouge with P-tex wire or Repair Pistol P-tex rods.

**Finish** - Sand smooth with 100-180 grit BEAST paper wrapped around a file or hard block.

**P-Tex Repair Wire**
Thin P-Tex wire to melt with tip of soldering iron for repair of base gouges.

- 1/8” x 4’ length
  - Clear .................... $3
  - Black .................... $3

**Metal Grip**
Mixture of P-Tex and epoxy for repair next to metal edge or a gouge into the core of ski. Melt into base with a chisel tip soldering iron.

- 3/8” x 4’ length
  - Clear .................... $4
  - Black .................... $4

**P-Tex Candles**
Polyethylene candles in packs of three.

- 5/16” x 7.5” length
  - Clear .................... $2
  - Black .................... $2

**Wood Hole Plugs**
Fill holes with epoxy and pound in plugs for binding pull-outs.

- 6 per package .................... $2

---

**Pozidriv Screwdrivers**
#3 Pozidriv for binding screws. Ergonomic handle on the screwdriver. Power bit is 6” long to fit all bindings.

- Screwdriver .................... $28
- Power bit ....................... $17

**Binding Drillbits**
Most adult bindings on a ski with metal top plate will use the 4.1 x 9mm and 3.6 x 9mm is for skis without metal top plate.

- 4.1 x 9mm ..................... $18
- 3.6 x 9mm ..................... $18

**Ski Repair Epoxy**
Fast Set is best for repair of binding screw pull-outs. Slow Set flexes flexible for sidewall or top skin gouges. 3 gram pack.

- Fast Set ....................... $2
- Slow Set ...................... $3

**Base Repair Pistol**
An ideal tool for the do it yourself ski tech. Pistol uses hard P-tex rods that are pushed through the 385°F heating element and then spread on the base by the flat heated nozzle head to create a molten polyethylene for a good bond to the ski base. Repair pistol comes with a stand to hold the pistol and three clear P-tex rods. 110 volt.

- Repair Pistol .................. $99
- Black Rods (3) ............... $6
- Clear Rods (3) ............... $6
The RACE PLACE Speed Grinding Service can help create the fastest possible skis for you. The cornerstone of our service is our years of Race Service Experience. Added to the experience factor is a Wintersteiger Sigma RS 350 stone grinder that is capable of a multitude of different grinds to match your typical snow conditions. This highly computerized machine has a multitude of preferred grinds programmed into its system plus grinds we have developed. We input your unique data of type of event, snow temperature, snow type and humidity and the resulting structure is what just might earn you a podium!

We have done winning grinds for many World Cup athletes!

- Latest Technology!
- National Team Grinds!
- Faster Skis!
- 72 Hour Service!

Send your skis to Race Place for a fast grind - Call (800) 814-7223

Order forms at: www.the-raceplace.com

Returns – If you are not satisfied with your purchase for any reason, you may return it within 10 days of receipt (Holiday gifts by Jan. 10th) providing it's in NEW condition with tags and original packaging intact. All returns must be sent back Freight prepaid. Shipping charges will be refunded only if it was our shipping error. Call for authorization and include a copy of Invoice in packages. Late return may be subject to re-stocking charges if the return is accepted.

Returns of sale or closeout items in the designated time period may qualify for exchange or store credit, but are not eligible for refunds. Prior promotions and discounts are not applicable on sale items.

Warranties - If a product is defective before use, Race Place will normally replace that product and reimburse customer for least expensive normal shipping charges. Products defective after use are subject to warranty extended by a manufacturer and the disposition is the responsibility of the manufacturer. Shipping cost to return warranted products is normally the responsibility of customer unless manufacturer extends that service. Race Place will attempt to intercede on behalf of our customers.

Pricing - Race Place will make every attempt to adhere to the published price through August 2020. However, some items may be affected by copy errors or price fluctuations beyond our control. We reserve the right to modify any published price.

Ground Ship Only - Some items are Ground Ship Only because their contents are considered ineligible for air travel.