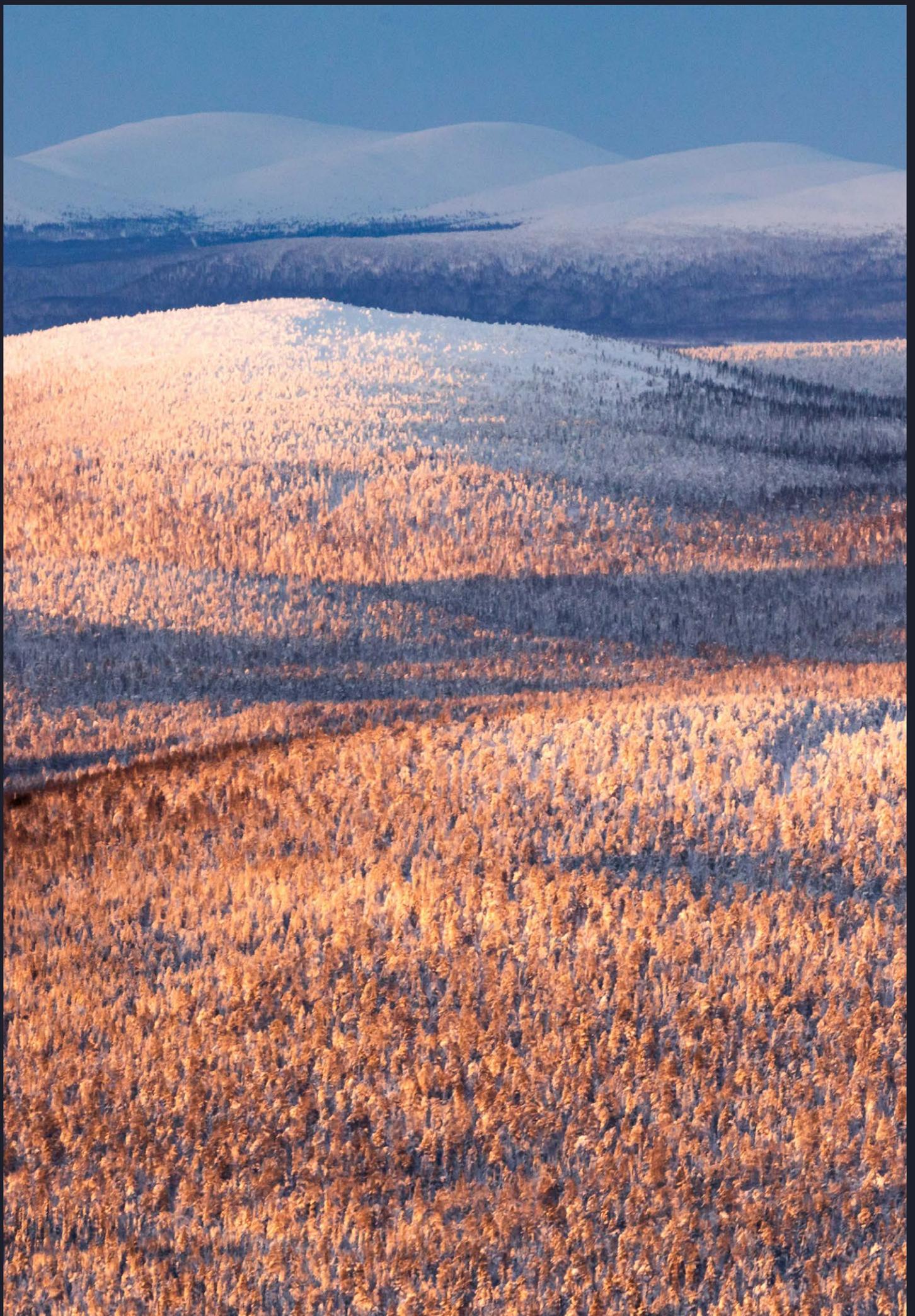


*Skinbased*

Skinbased skis by OAC Finland Oy

WINTER 22/23







In memoriam

# Antti-Jussi Tiitola

1936-2021

The OAC family lost their beloved founding partner, board member and advisor, R&D engineer Antti-Jussi "Naku" Tiitola, in October 2021.

Since the beginning, one of our missions at OAC was to transfer Naku's know-how and ideology of XCD skis and composite technologies to the younger generation. In this we can say that we succeeded.

We are deeply saddened that we did not have more time to ski and innovate together. We are missing our enthusiastic product tester, who always found the best snow to ski.

While he did not get to see OAC's new factory rising, we do believe that he is out there, following our work. His presence is with us everyday.

Naku, please keep searching out the best places to ski and skate – some day we will meet again. Until then, we will continue your life's work here at OAC.

Employees and Owners of OAC Finland Oy

# FIRST 10 YEARS ON SKINBASED™ SKIS

This winter we are privileged to celebrate Skinbased's™ 10th anniversary. For ten winters now we have realized our dream of producing unique, high-quality skis and sliding snowshoes, right here in Finland. From our humble beginning in the back of a horse stable, to our current modern production facility, it has been a pleasure to create products that bring fun to people, and people to nature.

We started as, and continue to be, a family company. Intimate and hard-earned knowledge is passed from one generation to the next, and to that is added industry-leading technology, materials, and processing techniques. Throughout the years our family has grown and expanded, and we now employ an increasing number of local Skinbased™ skiers, outdoor lovers, and community members.

On the crest of this momentous occasion, we are currently undertaking our largest project to date: the building of an entirely new and state-of-the-art manufacturing facility. Investing in not only our future, but also our values, the new facility is just a short distance away from our current plant, keeping our production local. Additionally, we are making significant investments into sustainability, not only in the creation of our new factory, but also for the production systems that will be housed within it.

Of course, all of this is only possible because of our Skinbased™ community. Customers and businesses, skiers and sliding snowshoers around the world, thank you for continuing to believe in us. We hope you will join us as we embark on our next decade - cheers!









# Longing for a special wilderness

From twilight hours of the polar night, with its subtle colors that fade imperceptibly before your eyes, to the bright, spring days where the entire world seems to glisten and shine, it is these wintry nordic landscapes that inspire and call to us.

As a company, Skinbased™ remains true to its Nordic roots. Both products and design, as well as our business model reflect that. Each of the ski styles we produce is represented by one of the many native animals that we share our natural world with. Our skis and bindings continue to be manufactured near our home, in Kangasala, Finland. It is important to us that our products continue to be created and built in an area that both inspires and is well-suited to their use. While our collection has been created to meet the unique challenges of moving in Nordic winter landscapes, its usefulness has found appeal around the globe, with people looking to move through their own special wilderness.



# XCD BC 160

Ask, and you shall receive. For years our customers have been requesting a ski that combines the stability and traction of the KAR, with the touring and downhill-capabilities of our XCD line. Now, the wait is over: meet the new XCD BC 160.

With a similar slide-surface to the rest of the XCD line, the BC delivers both efficient movements on the flats, and snappy turns on descents. Taking a hint from our best-selling KAR, the increased ski width and skin-area size of the BC offers superior grip for travelling uphill or with a sled.



**Technical specifications:**

- OAC Braid box construction
- Compression-resistant elastic foam core
- Patented OAC Unicoat skibase
- ABS reinforcements in base tip and tail
- Integrated high quality Mohair-mix skin
- ALU/GF reinforcement at binding area
- Steel edges
- Weight 1200 g w/o binding
- Width 131-100-122 mm
- Made in Finland by OAC Tech

- Floatation
- Glide
- Traction
- Trails
- Downhill
- Powder
- Hardpacked



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 PATENTED EP 2898930



# XCD GT 160

Reimagined for the 2022/23 season, the XCD GT 160 remains fun and playful touring ski at heart. New features include an improved tip and tail design that offers better gliding and ABS reinforcement zones.

Maintaining its tried-and-true skin-area and camber, the XCD GT 160 is an ideal companion for skiing laps at your favorite local hill and exploring the backcountry.



**Technical specifications:**

- OAC Braid box construction
- Compression-resistant elastic foam core
- Patented OAC Unicoat skibase
- ABS reinforcements in base tip and tail
- Integrated high quality Mohair-mix skin
- ALU/GF reinforcement at binding area
- Steel edges
- Weight 1350 w/o binding
- Width 116-86-100 mm
- Made in Finland by OAC Tech

Floatation  
Glide  
Traction  
Trails  
Downhill  
Powder  
Hardpacked



PATENTED US 9,308,431  
PATENTED EP 2898930



# XCD GT 137

The XCD GT 137 was created for the next generation of Skinbased™ skiers. Also upgraded with a new tip and tail design for the '22/23 winter season, the GT 137 continues to offer all of the same technical features as its bigger brother, the GT 160.

As a natural continuation of the POH 100, The GT 137 is an all-terrain Skin-based™ ski for adventurous youths, with additional performance benefits on rolling terrain and backcountry trails. For young skiers looking to expand their horizons, it doesn't get any better than this.



**Technical specifications:**

- OAC Braid box construction
- Compression resistant elastic foam core
- Patented OAC Unicoat skibase
- Integrated high quality Mohair-mix skin
- ALU/ GF reinforcement at binding area
- Steel edges
- Weight 1040g w/o binding
- Width 113-85-98mm
- Made in Finland by OAC Tech

- Flootation
- Glide
- Traction
- Trails
- Downhill
- Powder
- Hardpacked



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# New line- up for 2022/23

Continuous innovation is something we have always prided ourselves on here at Skinbased™. Because our design team, production facility, testing grounds, and homes are all located near each other, we are able to take new innovations from concept to implementation in short order.

Drawing from our success with the XCD line, we have added an additional ski to the range, the XCD BC. A hybrid between the KAR and XCD GT, this crossover ski is both relatively wide and long, striking a perfect balance between grip, stability, and downhill performance.

Additionally, we have decided to incorporate the XCD tip shape across our entire range of skis. This overall increase in shovel volume gives the new WAP 129 and KAR 149 even better flotation in soft snow compared to its predecessors, all while maintaining their time-tested camber and skin-area.

A substantial stride forward in durability, and thus product sustainability, we have also seamlessly integrated ABS reinforcements into key, high-wear areas on our WAP, KAR, and all XCD ski bases. On these same skis you will also find a new tail design. This flat tail will increase the functional edge of the skis, allowing for more control on hard packed snow.

For our 10th year anniversary, we have brought many new and quality changes to the line. As we move forward into our next decade, we strive to continue to adapt and meet the needs of our customers, community, and natural world.



# KAR I49

New for the '22/23 winter season, the KAR 149 builds upon the previous KAR's legacy as a backcountry do-it-all, one-ski quiver.

Combining an all-new tip design that focuses on increased flotation in powder with steel edges for use on hardpack, the KAR 149 is at home on nearly any snow type. Thanks to its relatively short length, the KAR is super agile, allowing for turns in even the gnarliest of bushes and forests. It's relatively wide profile provides a stable platform while its large skin area is perfect for skiing with a pulk or sled.



**Technical specifications:**

- OAC Braid box construction
- Compression-resistant elastic foam core
- Patented OAC Unicoat skibase
- ABS reinforcements in base tip and tail
- Integrated high quality Mohair-mix skin
- ALU/GF reinforcement at binding area
- Steel edges
- Weight 1150 g w/o binding
- Width 131-110-122 mm
- Made in Finland by OAC Tech

- Floatation
- Glide
- Traction
- Trails
- Downhill
- Powder
- Hardpacked



Watch the product video



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# WAP I29

Expanding upon the time-tested concept of the original WAP sliding snowshoe, the WAP 129 now offers even more float in deep snow and increased durability, thanks to its new design.

Originally created as a cross between a snowshoe and a hunting ski, the WAP is the widest ski in our range. Its broad width and low weight make it the perfect choice for a powder day. Thanks to its short length and composite edges, the WAP is also ideal for use with pets. Keep a pair by the front door, and you will always be ready to make the most of what winter brings.



**Technical specifications:**

- OAC Braid box construction
- Compression-resistant elastic foam core
- Patented OAC Unicoat skibase
- ABS reinforcements in base tail
- Integrated high quality Mohair-mix skin
- ALU/GF reinforcement at binding area
- Weight 970 g w/o binding
- Width 137-120-129 mm
- Made in Finland by OAC Tech

- Floatation
- Glide
- Traction
- Trails
- Downhill
- Powder
- Hardpacked
- Safety with Dog



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Watch the product video





# POH 100

The POH 100 was created to share the joys of winter with the youngest skiers of the family. As a go-everywhere ski for children, the POH brings the same fun, Skinbased™ experience to young adventurers, without sacrificing any functionality or performance.

Built for users 5 years of age and older, the POH has many children-specific features such as a composite edge, which is safe for kids and their clothing. Combined with our EA Junior Universal Binding, you have a simple, versatile, and fun way for children to discover the outdoors.



**Technical specifications:**

- OAC-Braid box construction
- Compression resistant elastic foam core
- Patented OAC Unicoat skibase
- Integrated high quality Mohair-mix skin
- ALU/GF reinforcement at binding area
- Weight 450g w/o binding
- Width 98-80-82mm
- Made in Finland by OAC Tech

- Floatation
- Glide
- Traction
- Trails
- Downhill
- Powder
- Hardpacked
- Safety with Dog



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## EA UNIVERSAL BINDING

Redesigned for 2021, our new EA Universal Binding now comes in a lighter, higher-performing design, while still maintaining all of its original ease-of-use.

Featuring slimmer ratchet buckles, weight-saving straps, and a re-engineered heel unit, the new EA Universal Binding is assembled entirely from parts made in the EU. Now, our binding feels even lighter on your feet, and all without sacrificing any long-term durability. In addition, we have also incorporated more spring power into the binding, allowing for both better stability and greater edge control.

Whether you enjoy the uphill workout, value the freedom of movement on the flats, or relish the thrill of the descent, we feel our redesigned EA Universal Binding has improvements that every Skin-based™ enthusiast will appreciate.

Our EA Universal Binding is designed to work with a wide selection of flexible-soled shoes, eliminating the need for a dedicated pair or ski boots. Built entirely in the EU from the highest quality materials, the EA Binding will perform even in the harshest environments. The thick flexplate and powerful hinge mechanism provide a solid ski feel and offer excellent lateral stability. Compatible with a large range of shoe sizes and styles, the EA Universal Binding is suitable for most adult size boots. The base unit features a spring mechanism which doubles as an adjustment lever, allowing for in-the-field size adjustments, even while wearing gloves!

- NN 75 screw pattern
- Boot sole length: 24cm - 38cm
- Weight: 860 g (per pair)

**Not suitable for ice climbing or mountaineering boots.**

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FIU20210028





## EA JUNIOR UNIVERSAL BINDING

Children are now able to use their own winter boots or hiking shoes for skiing.

Our EA Junior Binding is specifically made for the smaller skiers with features such as shorter baseplate and straps, plastic buckles, and a softer spring.

Kid size technical specifications:

- NN75 screw pattern
- Weight: 1000g/ pair
- Boot sole length: 22.5cm - 30.5cm





## SPARE PARTS

### EA 2.0 BINDING



Expedition Spares Kit



Rubber Springs



Toe Strap

### EA BINDING



Heel Guide



Toe Strap



Flex Plate



Rubber Springs



Expedition Spares Kit



## GO TO WAX BY MOUNTAINFLOW



### Calming Skin Wax

Ice on your skins is very uncalming! Our calming skin wax helps prevent icing on climbing skins.

- Plant-Based + Biodegradable
- 0% Petroleum
- Can apply in the field
- Size: 57g
- By MountainFLOW eco-wax



### The Great cold weather wax

Easy to apply and works great in all conditions.

- Plant-Based + Biodegradable
- 0% Petroleum
- -1/-10C
- Buttery-smooth glide
- Size: 57g
- By MountainFLOW eco-wax



### The Great warm weather wax

Easy to apply and works great in all conditions.

- Plant-Based + Biodegradable
- 0% Petroleum
- -4/+4C
- Buttery-smooth glide
- Size: 57g
- By MountainFLOW eco-wax



# Maintaining and installation



Watch the product maintain and mounting guide videos



## OAC UNICOAT

Unicoat base is a tough and easy to care for ski base construction, which we have invented. The use of the latest composite materials, manufacturing methods and extensive field testing has resulted in this tough and easy to maintain base. This base absorbs liquid waxes, so you can forget about the hot iron and time consuming waxing procedure. Do not grind the Unicoat base with ski grinding machines. Patented.

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## BINDING MOUNT GUIDELINES

Measurements for front screw positioning taken from tail, in centimeters.

	OAC EA	3PIN	Drill Bit
WAP UC 127	70 cm	72 cm	4,1/13mm
KAR UC 147	80 cm	82 cm	4,1/13mm
XCD/XCD GT160	85 cm	87 cm	4,1/13mm
XCD GT 137 UC	73 cm	75 cm	4,1/13mm
POH UC	54.5 cm		4,1/9mm

Heel Guide	Distance from EA front screw
	180-240 mm. Screw distance
	100 mm. Drill Bit: 4,1/11mm

## SKI MAINTENANCE

To maintain optimal performance of your OAC skis, there are two areas that require regular maintenance. The first is the base material. Our Unicoat base absorbs liquid and paste waxes only. Do not use hot waxes. Any application of wax which involves the use of an iron will permanently damage the base and void any manufacturer's warranty.

Our skis come from the factory pre-waxed and ready for use out of the box. Over time though, you may notice a decrease in glide performance. To improve the glide, simply apply a coat of liquid wax evenly to all gliding areas. Allow it to dry for 10 minutes, then polish with cork or a cloth.

The second area requiring occasional maintenance is the climbing skin. We recommend using only Nikwax's Ski Skin Proof on our skins. Start by shaking the skin-proof to ensure a well-mixed solution. Next, press the applicator sponge to break seal. Starting from the front of the ski, apply the skin-proof and work the solution into the skin's fibers. Be sure to cover the entire skin area. When finished, allow to dry thoroughly. A short demonstration video can be found on our website under the "Instructions and Manuals" tab.

## BINDING MAINTENANCE

We suggest that binding maintenance be performed regularly, and especially before any larger outing. Start by lifting the orange lever and sliding the heel unit off of the baseplate. Clean any debris from the heel unit with a cloth. Next, using silicone spray, lubricate the spring unit. Wipe away any excess with a clean cloth. Following this, set aside the heel plate and clean the base plate using the same process. When finished, slide the heel unit back into its position and lock in place.

Lastly, check that the fixing screws of the toe and ankle strap buckles are not loose. If necessary, tighten using a #2 Phillips head screwdriver.

A short demonstration video can be found on our website under the "Instructions and Manuals" tab.

## BINDING INSTALLATION

Before beginning, please read the binding manual. A copy of this, along with a binding installation video tutorial, can be found under the "Instructions and Manuals" tab on our website. Next, if mounting to a ski that requires drilling, be sure to check your ski manufacturer's drilling specs, and always use a mounting jig if possible.

Most OAC skis come pre-mounted and ready to accept EA Universal Bindings or any binding with a NN75 pattern. To help keep water out, add a small amount of epoxy to each screw hole before placing the screws. Next, place the base plate in position over the screw holes. Place the forward-most screw to hold the plate in position, then mount the base plate with the two rear screws - be sure not to overtighten! When complete, remove the forward-most screw. Next, insert the toe strap and lock into place with the toe piece. Reinstall the forward-most screw. Finish by tightening all screws by hand with a PZ3 screwdriver. For the heel piece, start by lifting the orange lever and remove the cardboard. While the orange lever is still lifted, slide the heel unit onto the flex plate. Once in position, press down on the orange lever and lock into place. Pro tip: If you know what shoe you will be skiing in, use it as a reference point for where to place the heel unit.

## MOHAIR-MIX SKIN

We use the best skin material available. It is a mix of Mohair (65%) and Nylon (35%). The ski and its skin are ready to be used straight from the package. After some time, it is recommended to maintain the water repellency with the right product. We recommend Ski Skin Proof by Nikwax for this purpose. It is also recommended to carry piece of glop stopper wax with you on spring ski trips. Do not use skin care products that are solvent based. They may damage the skin or the glue.

## WARNING

OAC Skis are designed for backcountry skiing only. Before using this product, read and understand all instructions and familiarize yourself with its proper use, capabilities and limitations. Incautious or improper use can result in severe injury or death! The manufacturer, distributor, wholesaler, and retailer are not liable for any personal injuries sustained by the use or misuse of this product.



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