



MADSHUS



WORKBOOK 2021/2022

REDLINE 3.0 SKATE & CLASSIC

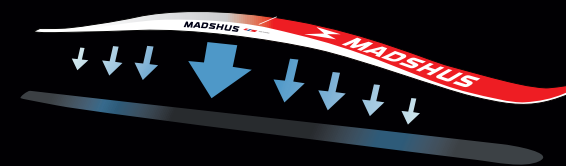
After years of developement and research, directly proven as a world cup winner.

At first glance, the introduction of Redline 3.0 might seem like nothing more than a change of graphics. A facelift. A pretty new design. On the surface that might be true, as we've maintained the Redline 2.0 geometry. However, this generation of skis represents a new design philosophy, one that is built for the modern ski racer and utilizes modern technology to produce a ski that gets you from start to finish faster than ever before. Every aspect of each Redline model has been optimized to the conditions in which they're designed to excel. Marginal gains become the race winning margin.

THIS IS RACE ENGINEERED DEVELOPMENT. THIS IS REDLINE.



TUNED DYNAMIC RESPONSE



FOR LIVELINESS AND A PHENOMENAL ENERGY RETURN

One of the key elements in our development process has been the specific use of additional carbon reinforcements to enhance the dynamic properties of the skis. In isolation this change might not have had the desired effect, but in conjunction with a new camber philosophy the true speed of this new construction was unlocked.

NEW REDLINE BOOTS



REDLINE SKATE

REDLINE SKIATHLON

REDLINE CLASSIC

REDLINE JR

INTRODUCING THE NEW «RED RACE-WRAP» AND LOW-CUT LINER CONSTRUCTION!

Our brand-new «Red Race-Wrap» technology combined with a new, low-cut liner construction creates an inner boot that completely envelopes the foot. The unique combination of materials and technologies fully supports the heel and transitions seamlessly to a softer, more flexible and lower-volume toe box. The result is significantly improved overall fit, from the carbon base underfoot up to the top eyelet of

the laces. Using a no-sew hot-melt material, the «Race Wrap» upper materials conform to the foot with minimal seams, providing smooth, even pressure distribution throughout the boot. The Race Wrap technology creates inner support for the mid-foot through an integrated web construction that directly connects to the carbon base, through a reinforced eye stay. This delivers a high-performance fit that is snuggier and more comfortable while allowing for a more precise connection with the ski.

NEW CARBON BASE CONSTRUCTION

Improved heel cup shape and contour for optimal fit, feel and performance.

INTERCHANGEABLE PARTS FOR BOOT CUSTOMIZATION.

Improve the fit and increase the life of your Madshus ski boots by replacing critical parts.

TOE BAR

Replaceable toe bar for personal customization or when worn out.

CUFF

Interchangeable, removable cuff is easy to remove or switch out for personal customization or when worn out.

ACCELERATE YOUR SKIING WITH REDLINE SKI BOOTS AND BE READY TO TACKLE YOUR MOST AMBITIOUS SKIING GOALS.

NEW REDLINE POLE

The all new Redline pole features a truncated airfoil cross section that reduces aerodynamic drag and allows you to ski faster and more efficiently. The shaft is constructed from 100% ultra-high modulus carbon with the best stiffness to weight ratio in our pole lineup. With a sculpted natural cork race handle and our new race strap, the Redline Pole delivers secure grip and superior power transfer that elite racers expect. The TBS® basket system allows you to change the baskets quickly and without tools, so you're prepared for all snow conditions.

NEW UNIQUELY SHAPED TUBE

Truncated Airfoil shape made with bladder molding technology.



SHAFT

100% Ultra high-modulus carbon shaft with the best weight-to-stiffness ratio.

WEIGHT

Weight: 54g/m.

HANDLE

Natural cork race handle features a more sculpted shape.

STRAP

Redesigned race strap for maximum comfort and power transfer.

NEW TUBE

New uniquely shaped tube: Truncated Airfoil shape made with bladder molding technology.

BASKET

TBS® basket system allows you to quickly change baskets without tools.



NEW RACE SPEED BOOTS

From Raceday to Everyday: At Madshus we believe that all skiers benefit from the technologies developed with our world cup athletes. The new Race Speed ski boot model is one excellent example. Offering a more affordable racing to the

flagship Redline skate and classic boots, the Race Speed models have many of the same features as our top model, providing a lot of performance you would expect from a world cup racing boot at a lower price.





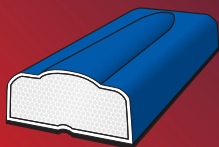
MADSHUS SKIS

MADSHUS RED	SKIN	CLASSIC	SKATE	BACK COUNTRY
Redline 3.0 Skate F2	Race Pro Skin	Race Pro Classic	Race Pro Skate	Fjelltech M44 Skin
Redline 3.0 Skate F3	Race Speed Skin	Race Speed Classic	Race Speed Skate	Fjelltech M50 Skin
Redline Double Pole 192cm	Endurace Skin	Endurace Classic	Endurace Skate	Panorama M50
Redline Double Pole 207cm	Active Pro Skin	Active Classic	Active Pro Skate	Panorama M55
Redline 3.0 Classic Cold	Active Skin	Race Pro Classic Jr	Active Skate	Panorama M62
Redline 3.0 Classic Warm	Nordic Pro Skin	Active Universal JR	Race Pro Skate JR	Panorama M68
Redline 3.0 IntelliGrip®	Nordic Skin	Racelight MG	Active Skate JR	Panorama M78
Redline 3.0 Classic JR	Race Pro Skin JR	Snowpup 85		
Redline 3.0 Skate JR	Active Skin JR			
	Racelight IntelliGrip®			

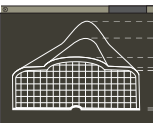
Overview ski technology

NEW

ASTARALITE New lightweight ski core technology



Working closely with our suppliers, we have improved the core material used in a number of different Madshus ski models. The new core material significantly decreases the weight, while providing a modest improvement in strength and a noticeably more dynamic and responsive feeling on the snow. Translation: The new core material makes the skis faster and more fun!



CAD DESIGN The ability to model incredibly complex 3D designs allows us to minimize weight and tune material stiffness for optimal torsional rigidity and longitudinal flex.



PR100X CORE A high-performance Rohacell foam core with extreme strength-to-weight characteristics and excellent damping qualities. Pre-formed to our 3D shape and reinforced with triaxial braiding, to maximize strength, optimize stiffness, and save weight.



EMPOWER™ INTELLICHIP An internal NFC chip embedded in the core providing access to data about each ski's internal properties and measurements.



POLYCELL CORE A PU-based foam core providing lightweight consistency and excellent damping. Pre-formed to our 3D-shape and reinforced with carbon and fiberglass to guarantee the maximum performance and ski feel.



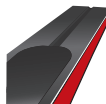
3D CONSTRUCTION A unique manufacturing process creates our specific 3D surface geometry, based on our CAD design process.



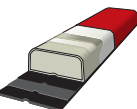
PAULOWNIA CORE Paulownia is a farm raised lightweight wood core material with consistent material qualities. The core is surrounded by lightweight carbon and glass reinforcements to add strength and stiffness, optimizing durability and performance.



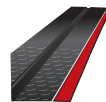
TRIAxIAL CONSTRUCTION Interlocking strands of fiberglass and carbon fiber surround the entire core, producing excellent torsional rigidity and strength with light weight and a lively response.



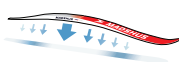
INTELLIGRIP® INTEGRATED SKIN The IntelliGrip® Skin is integrated into the base, providing great glide along with strong grip, making classic skiing even easier. The progressive skin profile, and our unique mix of Mohair and nylon ensure optimal grip and glide in all conditions.



TORSION CAP CONSTRUCTION A reinforced core, covered by a cap, creates a very durable and lightweight construction, and provides tremendous versatility in targeting specific camber and flex characteristics.



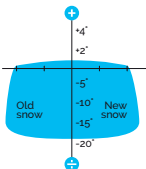
MULTIGRIP BASE The MultiGrip base provides stable and confident bilateral grip without sacrificing ski glide and performance.



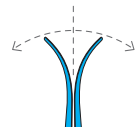
TUNED DYNAMIC RESPONSE A new special layout of carbon combined with a synchronized camber profile provides exceptional return of energy while optimizing the glide surfaces of the ski through the entire push-off phase, improving the feel for the snow feel while retaining the speed.



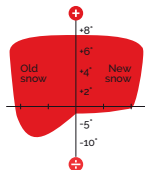
MADSHUS EMPOWER From manufacturing all the way to the end-user, the internal RFID chips embedded in the cores of our empower™ skis provide access to a wealth of data. With the Madshus empower™ app, customers can access ski prep tools like our wax helper, watch videos, or engage with our GPS-enabled workout tracker.



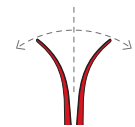
COLD SKIS The optimal range of operation is from +1 degrees Celsius to colder temperatures.



SPEED TIP COLD An elongated low angle splay built specifically to shorten the pressure zone for wet, dirty, and soft snow conditions, while maintaining floatation, control, and speed.



WARM/PLUS SKIS The optimal range of operation is from -3 degrees Celsius to warmer temperatures.



SPEED TIP PLUS A splay built specifically to shorten the pressure zone for wet, dirty, and soft snow conditions, the Madshus Speed Tip Plus helps you float over soft snow and maintain your glide more efficiently.



Everyone in our sport benefits from nature's beauty, which is why Madshus is working hard to minimize our effect on the environment that we all hold so dear. Skis marked with the "Fluor Free Ski Bases" logo indicate exactly that: a ski which does not use fluorocarbons in the base material.



JAVELIN TIP The forebody features a precisely positioned wide-point with a distinct javelin tip profile. Material thickness at the tip and tail is increased in harmony with the profile to ensure high riding glide and great floatation.

SKI CHARACTERISTICS

SKIN

Madshus skin							
Model Name	Skier Level	Grip	Stability/Control	Stride	Lightness	Double pole	Dynamic response
Redline Intelligrip®	Race						
Race Pro Skin	Race						
Race Speed skin	Race/Endurance						
Endurance Skin	Endurance						
Active Pro Skin	Endurance						
Active Skin	Nordic Touring						
Nordic Pro Skin	Endurance						
Nordic Skin	Nordic Touring						
Race Pro Skin Jr.	Race						
Active Skin Jr.	Endurance						
Racelight Intelligrip®	Endurance						

Ski icon characteristic description

GRIP

The grip score is a general representation of how easy a specific ski model is to get kick. Skis with higher scores do not require as precise technique or as active of a kick to grip the snow during diagonal stride, whereas skis with lower grip scores typically require more active skiing to generate the same level of grip. The tradeoff is that skin length is often increased to improve grip, and so skis which have lower grip scores often provide increased glide, especially in double pole.

STABILITY

There are many aspects of a skis construction which affect stability, such as sidecut, thickness profile, torsional fibers, and camber. But the stability score takes all these variables into account to provide an easy-to-understand value to help you select the correct ski for your needs.

STRIDE

The stride characteristic represents how well a ski will glide during the gliding phase of diagonal stride. This is a characteristic which is particularly important for skiers with good technique and who spend a lot of time diagonal striding. Between models, this property is primarily adjusted by moving the placement of the skin relative to the balance point, moving the positioning of reinforcement fibers, and by adjusting the camber.

LIGHTNESS

The weight of the ski compared to other models in the Madshus ski line.

DOUBLE POLE

The double pole performance score represents how well a ski glides when actively skiing using the double pole technique. This can be achieved by adjusting the camber, ski thickness profile, or placement of reinforcement fibers.

GLIDE

The glide characteristic is primarily determined by the base material type; however, camber and materials also play a role. Skis scoring higher in the glide category will have better gliding performance.

DYNAMIC RESPONSE

Dynamic response is the marketing term we've chosen to describe the feeling of energy return that you get from your skis—a feeling which is particularly prevalent in the new Redline 3.0 skis. Fundamentally this term, and therefore the Dynamic Response score, try to quantify how lively a given ski will feel. This score is a result of the materials, camber, and geometry chosen for each model, and skis which score higher in this category will be more energetic and will be particularly rewarding for skiers with a more active and powerful technique.

CLASSIC

Madshus classic						
Model Name	Skier Level	Stride	Stability/Control	Lightness	Double Pole	Dynamic response
Redline Classic	Race					
Race Pro Classic	Race					
Race Speed Classic	Race					
Endurance Classic	Endurance					
Active Classic	Nordic Touring					
Active Jr. Universal	Nordic Touring					
Active MGV	Nordic Touring					
Redline Jr. Classic	Race					
Race Pro Jr. Classic	Race					

SKI CHARACTERISTICS

SKATE

Madshus skate					
Model Name	Skier Level	Stability/Control	Glide	Lightness	Dynamic response
Redline Skate	Race				
Race Pro Skate	Race				
Race Speed Skate	Race				
Endurace Skate	Endurance				
Active Pro Skate	Endurance				
Active skate	Nordic Touring				
Active Jr. Skate	Endurance				
Redline Jr. Skate	Race				
Race Pro Jr. Skate	Race				

Ski icon characteristic description

STABILITY

There are many aspects of a skis construction which affect stability, such as sidecut, thickness profile, torsional fibers, and camber. But the stability score takes all these variables into account to provide an easy-to-understand value to help you select the correct ski for your needs.

GLIDE

The glide characteristic is primarily determined by the base material type; however, camber and materials also play a role. Skis scoring higher in the glide category will have better gliding performance.

LIGHTNESS

The weight of the ski compared to other models in the Madshus ski line.

DYNAMIC RESPONSE

Dynamic response is the marketing term we've chosen to describe the feeling of energy return that you get from your skis—a feeling which is particularly prevalent in the new Redline 3.0 skis. Fundamentally this term, and therefore the Dynamic Response score, try to quantify how lively a given ski will feel. This score is a result of the materials, camber, and geometry chosen for each model, and skis which score higher in this category will be more energetic and will be particularly rewarding for skiers with a more active and powerful technique.

BACK COUNTRY

Madshus Panorama Downhill					
Model Name	Skier Level	Climb performance	Downhill performance	Rolling terrain	Lightness
Panorama 78	Off-track				
Panorama 68	Off-track				
Panorama 62	Off-track				

Madshus Panorama Touring					
Model Name	Skier Level	Climb performance	Downhill performance	Rolling terrain	Lightness
Panorama 55	Off-track/Track				
Panorama 50	Off-track/Track				

Madshus Fjelltech Touring					
Model Name	Skier Level	Grip	Stability/Control	Stride	Lightness
Fjelltech 55	Off-track/Track				
Fjelltech 50	Off-track/Track				

GRIP

The grip score is a general representation of how easy a specific ski model is to get kick. Skis with higher scores do not require as precise technique or as active of a kick to grip the snow during diagonal stride, whereas skis with lower grip scores typically require more active skiing to generate the same level of grip. The tradeoff is that skin length is often increased to improve grip, and so skis which have lower grip scores often provide increased glide, especially in double pole.

CLIMB PERFORMANCE

The climbing score represents how well a given ski performs while climbing moderate to steeper gradients. This score assumes that the ski has been set up in the maximum-grip configuration, for example: full length skin for the BC Downhill models, and Transition skin or Integrated skin for BC Touring models.

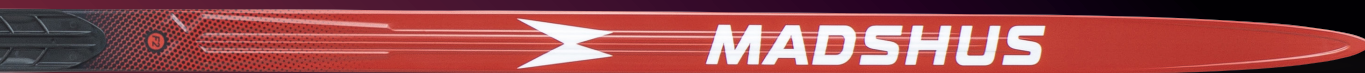
DOWNHILL PERFORMANCE

The downhill performance score seeks to rate how well each model is equipped to handle steeper downhill terrain. Wider skis with a tighter turning radius will generally rate higher in this score.

ROLLING TERRAIN

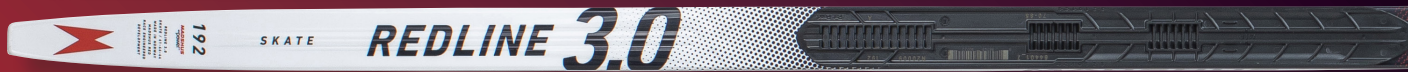
The rolling terrain score represents how efficiently each BC ski can travel across flat terrain with some small hills mixed in. This assumes that BC Downhill skis are being used with the Omnigrip pattern or an Intelligrip skin, and that the BC Touring models are using an Intelligrip Transition skin or the Integrated skin.

REDLINE 3.0 SKATE



**RED
LINE
F2**

F2 for harder, faster ski conditions. Longer pressure zones and a longer groove to improve stability and maximize top end speed.



**RED
LINE
F3**

F3 for slower, softer conditions. Shorter pressure zones and a revolutionary back-only groove.

REDLINE 3.0 SKATE F2 & F3

Our skate skis have received new names to bring them in line with the naming convention we've used previously in our racing department. F2 for harder, faster ski conditions and F3 for slower, softer conditions. This might seem like an insignificant change, but it represents the ethos of what Redline is all about: using top caliber racing to inform our engineering decisions and provide the fastest skis possible.

Both models feature **Tuned Dynamic Response** technology to provide phenomenal energy return and maintain optimal gliding surfaces throughout the entire duration of the ski push – improving snow feeling and maintaining speed. Between the two models the F2 is designed with longer pressure zones and a longer groove to improve stability and maximize top end speed, while the F3 is built to have shorter pressure zones and a revolutionary back-only groove. This design truly excels in softer or slower snow where it often feels like you need to switch to offset (V1) technique to maintain momentum. By removing the groove in the front pressure zone, it is now easier to turn the ski onto edge in the correct position for efficiently maintaining double skate (V2) further into uphill.

Item: N20008
Redline 3.0 Skate F2
Length: 172-192 RSL/5
Sidecut: 41-44-44

Weight: 950gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Construction.
Base: P300 Nano.

Camber: Skate Medium/
Madshus Speed Tip Cold.
Binding plate: NIS 7.
Javelin tip.

MADSHUS
empower™



LEVEL	RACE
CATEGORY	SKATE
Stability Control	Glide
Lightness	Dynamic Response Energy Return
●	●
●	●
●	●
●	●

Item: N20009
Redline 3.0 Skate F3
Length: 172-192 RSL/5
Sidecut: 41-44-44

Weight: 950gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Construction.
Base: P300 Nano.

Camber: Skate Medium/
Madshus Speed Tip Cold.
Binding plate: NIS 7.
Javelin tip.

MADSHUS
empower™



LEVEL	RACE
CATEGORY	SKATE
Stability Control	Glide
Lightness	Dynamic Response Energy Return
●	●
●	●
●	●
●	●

FLUOR
FREE
SKI BASES

REDLINE 3.0 CLASSIC



**RED
LINE
COLD**

Designed for hardwax conditions and has longer pressure zones optimized for colder snow.



**RED
LINE
WARM**

Designed for klister conditions and has shorter pressure zones optimized for warmer snow.

REDLINE 3.0 CLASSIC COLD & WARM

The two new classic offerings fill the same needs as our previous models, but the way they do this is totally new. Our Cold ski is still designed for hardwax conditions and still has longer pressure zones optimized for colder snow while our Warm ski is still designed for klister conditions and still has shorter pressure zones optimized for warmer snow. However, unlike in previous years where camber has been used to alter the "effective stiffness" of our skis, we have now taken an approach of altering the material laminates as well to better express the ski qualities and improve performance.

Just as important as changing this approach to ski construction we've also changed our approach to camber design to better serve the needs of the racing world. Double poling is a critical aspect of modern skiing, and the Redline 3.0 classic skis reflect this. A successful racing ski will provide near-frictionless glide in double pole, and bomber kick during striding. We've sought to achieve this by focusing on the dynamic properties of the ski, looking at the ski response through the whole loading phase from below half of skier-weight all the way up to over full skier-weight. Our Empower system provides this data and allows you to not only view the camber height at half weight and full weight, but everything in between as well! This is critical because knowing, and controlling, how the ski deforms over that whole range of loads provides meaningful information about whether the ski collapses too quickly and will drag or too slowly and will be difficult to get kick.

Item: N20002
Redline 3.0
Classic Cold
Length: 182-207/5
Sidecut: 43-44-44

Weight: 900gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Construction
Base: P300 Nano

Camber: Classic Low/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0

MADSHUS
empower™

LEVEL CATEGORY	RACE CLASSIC
Stride	Stability Control
Lightness	Double Pole
Dynamic Response Energy Return	

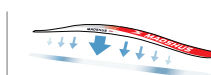


Item: N20003
Redline 3.0
Classic Warm
Length: 182-207/5
Sidecut: 43-44-44

Weight: 900gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Plus Construction
Base: P300 Nano

Camber: Classic High/
Madshus Speed Tip Plus
Binding plate: MOVE™ 3.0

MADSHUS
empower™



LEVEL CATEGORY	RACE CLASSIC
Stride	Stability Control
Lightness	Double Pole
Dynamic Response Energy Return	



Rottefella MOVE™ 3.0 allows you to move your bindings on the fly. With a simple twist of the MOVE™ 3.0 binding your skis can be optimized to provide more grip or more glide. For the first time you can adapt skis to your performance level, the terrain, and the snow conditions all at a moment's notice.

**FLUOR
FREE**
SKI BASES

REDLINE 3.0 INTELLIGRIP®



**RED
LINE
INTELLI
GRIP®**

Provides optimized grip and glide for skiers on groomed trails by adapting to your individual technique, the terrain and snow conditions.



Skin
INTEGRATED

REDLINE 3.0 INTELLIGRIP

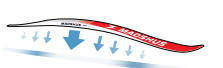
The IntelliGrip® variant in our Redline series features the same construction as our Classic Warm ski. The extra reinforcing carbon provides a more dynamic ski which is perfect for modern skin skis. A member of our Race Class, this ski has an extra-recessed skin, and this is one of our models that comes standard with a skin that is 100% mohair. For skiers with good technique, who are looking to go fast, there's no better skin ski than the Redline 3.0 IntelliGrip®.

Item: N20007
Redline 3.0 IntelliGrip
Length: 182-207/5
Sidecut: 43-44-44

Weight: 950gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Construction
Base: P300 Nano & 100%
Mohair

Camber: Classic Medium/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0

MADSHUS
empower™



LEVEL CATEGORY		RACE SKIN			
Grip	Stability Control	Stride	Lightness	Double Pole	Dynamic Response Energy Return



Rottfella MOVE™ 3.0 allows you to move your bindings on the fly. With a simple twist of the MOVE™ 3.0 binding your skis can be optimized to provide more grip or more glide. For the first time you can adapt skis to your performance level, the terrain, and the snow conditions all at a moment's notice.

**FLUOR
FREE**
SKI BASES

REDLINE 3.0

DOUBLE POLE



REDLINE 3.0 DOUBLE POLE

The Madshus Double Pole series is optimized for double pole racing. The two different models have opposing design philosophies to help provide all long-distance racers with a ski that will get them from the start line to the finish line as fast as possible. The 192cm DP ski takes inspiration from our fantastic Redline 3.0 Skate skis. With modified geometry, adjusted carbon laminates, and a double pole specific camber, the 192cm DP ski provides maximum acceleration and minimizes the energy lost during each successive double pole. The 207cm DP ski on the other hand has taken the Redline 3.0 Classic Warm ski as its base design. Through working with our Ski Classics athletes, we have modified the ski's camber to provide maximum top end speed and to hold that momentum over a wide range of varying ski conditions, as is often experienced over the course of marathon races. No matter what kind of skier you are there will be a Redline 3.0 Double Pole ski that is perfect to take your performances to the next level.

Item: N20004
Redline 3.0 Double Pole
Length: 192
Sidecut: 41-44-44

Weight: 950gr/192cm (pair)
Core: PR 100X & Triaxial
Carbon Construction
Base: P300 Nano

Camber: Double Pole Skate
Madshus Speed Tip Skate
Binding plate: NIS 7

MADSHUS
empower™



LEVEL CATEGORY		RACE SKATE	
Stability Control	Maximum Speed	Acceleration	Lightness

Item: N20005
Redline 3.0 Double Pole
Length: 207
Sidecut: 43-44-44

Weight: 900gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Construction
Base: P300 Nano

Camber: Double Pole Classic
Madshus Speed Tip Classic
Binding plate: MOVE™ 3.0

MADSHUS
empower™



LEVEL CATEGORY		RACE CLASSIC	
Stability Control	Maximum Speed	Acceleration	Lightness

FLUOR
FREE
SKI BASES

REDLINE 3.0 JUNIOR



Every world champion started somewhere, and the Redline JR models are the best choice to take today's youngsters to the top. These skis feature construction methods and materials found on top world cup skis. Designed to better fit the body size and weight of junior athletes, this is a proper racing ski for ambitious athletes looking to develop their speed and skill.

REDLINE 3.0 CLASSIC JR

The Redline Classic JR features construction methods and materials found on the top world cup skis. Designed to better fit the body size and weight of junior athletes, this is a proper racing ski for ambitious athletes looking to develop their speed and skill.

Item: N20042
Redline 3.0 Classic JR
Length: 147-187/10,
172, 182

Sidecut: 44-42-44
Weight: 775/157 cm (pair)
Core: PR90 & Triaxial Carbon
Base: P300 Nano

Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: JR/7

MADSHUS
empower™

LEVEL CATEGORY	RACE CLASSIC
Stride	Stability Control
Lightness	Double Pole
Dynamic Response Energy Return	

REDLINE 3.0 SKATE JR

The Redline Skate JR keeps skiing simple with a camber designed to excel in all snow conditions. Designed to better fit the body size and weight of junior athletes, this is a proper racing ski for ambitious athletes looking to develop their speed and skill.

Item: N20049
Redline 3.0 Skate JR
Length: 142-172/5 RSL

Sidecut: 41-44-44
Weight: 775/157 cm (pair)
Core: PR90 & Triaxial Carbon
Base: P300 Nano

Camber: Skate Universal/
Madshus Speed Tip
Binding plate: JR/7

MADSHUS
empower™

LEVEL CATEGORY	RACE SKATE
Stability Control	Glide
Lightness	Dynamic Response Energy Return

FLUOR
FREE
SKI BASES

SKIN SERIES

Integrated skin skis provide optimized grip and glide regardless of performance level, the terrain, or snow conditions. These skis accomplish this by integrating a progressive skin profile which easily glides in one direction but has hairs which stand up and provide grip when pushed in the other direction. The progressive skin profile means that the front and rear of the skin are recessed

even further into the base than the middle, which is important in reducing unwanted contact between the skin and snow while gliding while simultaneously not sacrificing grip directly underfoot. Thanks to a hot melted glue application the IntelliGrip Integrated skin is replaceable. Let us worry about optimizing kick and glide so you can focus on Simply Skiing!



RACE PRO SKIN

The Race Pro Skin is the perfect combination of grip and glide for technically proficient skiers looking for a racing skin ski. This is a race-class ski featuring a shorter skin than touring and training models. The Madshus Integrated skin is made from 100% mohair, and coupled with a livelier camber, the Race Pro Skin provides better glide and rewards skiers who can deliver an active kick.

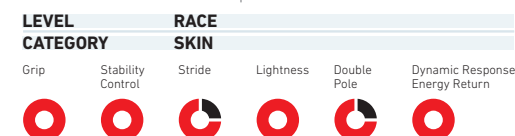
Item: N21107
Race Pro Skin
Length: 182-207/5
Sidecut: 43-44-44

Weight: 1000gr/187cm (pair)
Core: PR 100X & Triaxial Carbon Construction
Base: P300 Nano + 100% Mohair

Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0

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empower™

Skin
INTEGRATED



RACE SPEED SKIN

Combining the carbon construction of the Race Speed Classic with a camber optimized for the Madshus Integrated skin, the Race Speed Skin is a fantastic choice for training and racing when you don't want to apply klister or kick wax. The Madshus Integrated Skin is made from 70% mohair and 30% nylon, and the length and thickness profile has been selected to work in all snow conditions so you can spend less time waxing and more time skiing!

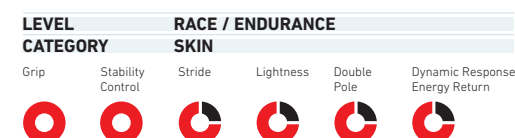
Item: N21257
Race Speed Skin
Length: 182-207/5
Sidecut: 43-44-44

Weight: 1050gr/187cm (pair)
Core: PR90 & Triaxial Carbon Construction
Base: P200 Nano Universal + Mohair mix

Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0

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Skin
INTEGRATED



Rottefella MOVE™ 3.0 allows you to move your bindings on the fly. With a simple twist of the MOVE™ 3.0 binding your skis can be optimized to provide more grip or more glide. For the first time you can adapt skis to your performance level, the terrain, and the snow conditions all at a moment's notice.

FLUOR
FREE
SKI BASES



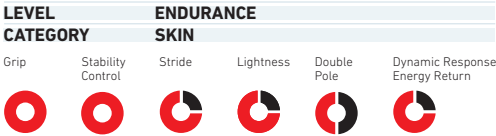
ENDURANCE SKIN

The lightweight construction of the Endurance Skin is designed for long weekend tours in the mountains; but is also perfect for blasting around the local tracks after work. The new lightweight core material significantly decreases weight, increases responsiveness, and makes for a more enjoyable on-snow experience! Rock solid grip is provided in all conditions by the skin-specific camber profile and our 70% mohair and 30% nylon integrated skin. Changeable conditions and lack of time are no longer an excuse not to get out and ski with the Madshus Endurance Skin!

Item: N21297
Endurance Skin
Length: 182-207/5
Sidecut: 43-44-44

Weight: 1094gr/187cm (pair)
Core: AstaraLite
Base: P190 Nano Universal
+ Mohair mix

Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0



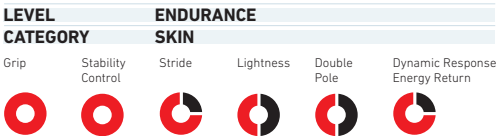
ACTIVE PRO SKIN

The Active Pro Skin is designed for groomed track touring and training. With an Integrated Skin made from 70% mohair and 30% nylon and our skin-specific camber, the Active Pro Skin is designed to provide an enjoyable skiing experience in all snow conditions. This means you can spend more time skiing and less time waxing; perfect for people starting out in the sport and looking to simply ski!

Item: N21377
Active Pro Skin
Length: 182-207/5
Sidecut: 43-44-44

Weight: 1150gr/187cm (pair)
Core: Polycell & Torsion
Cap 3D
Base: P170 Nano Universal
+ Mohair mix

Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0



ACTIVE SKIN

Designed for easy handling and solid performance in all conditions, the Madshus Active Skin features a mohair and nylon skin to provide consistent, reliable grip and good glide—all without the need for kick wax or klister!

Item: N21344
Active Skin
Length: 177-207/5

Sidecut: 44-42-43
Weight: 1150gr/190cm (pair)
Core: Paulownia Carbon
Hybrid & Torsion Cap

Base: P-Tex 2000 Electra +
Mohair mix
Binding plate: MOVE™ 3.0
Tailprotector



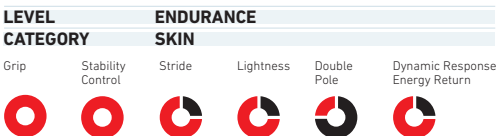
NORDIC PRO SKIN

Featuring a wider construction and a sidecut perfectly suited to maximize stability, the Nordic Pro Skin is designed for touring and recreation. With an Integrated Skin made from 70% mohair and 30% nylon, combined with our skin-specific camber, the Nordic Pro Skin provides an enjoyable skiing experience in all conditions. This means you no longer need to apply klister or kick wax and can spend more time skiing!

Item: N21487
Nordic Pro Skin
Length: 177-207/5

Sidecut: 47-44-46
Weight: 1175gr/187cm (pair)
Core: Polycell & Torsion
Cap 3D

Base: P170 Nano Universal
+ Mohair mix
Binding plate: MOVE™ 3.0





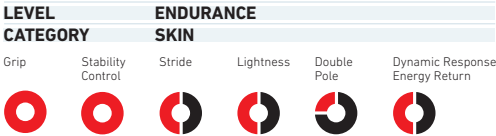
NORDIC SKIN

The Madshus Nordic skin is a touring ski designed with beginner and intermediate skiers in mind. A sidecut specifically tuned to improve stability makes skiing easy, and you don't even need to worry about kick wax as our mohair and nylon Integrated Skin ensures you always have reliable grip and good glide.

Item: N21447
Nordic Skin
Length: 177-207/5

Sidecut: 48-44-46
Weight: 1220gr/190cm (pair)
Core: Paulownia Carbon
Hybrid & Torsion Cap 3D

Base: P-Tex 2000 Electra +
Mohair mix
Binding plate: MOVE™ 3.0



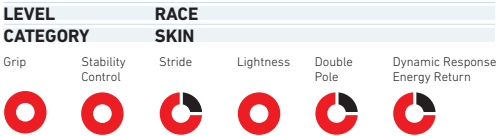
RACE PRO SKIN JR

Combining the construction of our Race Pro Classic Jr with our successful skin technology, the Race Pro Skin Jr is the perfect junior skin ski for training and racing. A high-speed race base delivers great glide, and the skin made from 70% mohair and 30% nylon provides a good balance of grip and glide to help aid with skill building for young athletes. The Race Pro Skin Jr is a great choice for any junior wanting to spend more time skiing and less time waxing.

Item: N21147
Race Pro Skin Jr
Length: 147-177/10, 172

Sidecut: 44-42-44
Weight: 800gr/157cm (pair)
Core: Torsion cap 3D, Polycell

Base: P190 Nano
Universal + Mohair mix
Binding plate: NIS JR/7



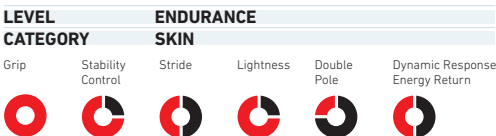
ACTIVE SKIN JR

The Active Skin Jr is perfect for young skiers looking for a waxless classic ski. Whether training, racing, or skiing for fun, the Active skin will provide junior skiers with reliable grip from the mohair and nylon skin to make for an enjoyable skiing experience.

Item: N21812
Active Skin Jr
Length: 117-167/10

Sidecut: 44-42-43
Weight: 875gr/160cm (pair)
Core: Paulownia Carbon
Hybrid & Torsion Cap

Base: P-Tex 2000 Electra +
Mohair mix
Binding plate: NIS JR



RACELIGHT INTELLIGRIP®

The New Madshus Racelight IntelliGrip® sets ambitious cross-country champions up for success in an affordable and kid-friendly package. The Racelight series features durable, lightweight construction and an easy-to-use binding plate. The IntelliGrip® skin makes it easier for a kid skier to have consistent kick and grip, while still maintaining glide.

Item: N19877
Racelight IntelliGrip®
Length: 90-170/10

Sidecut: 48-48-48
Weight: 825gr/130cm (pair)
Core: Multicore

Base: Polytex + Mohair mix
Binding plate: NEMO SCR



CLASSIC SERIES

The Madshus Classic series features skis suitable for people of all experience levels and for all snow conditions found on groomed trails. The newest Redline skis feature the latest high-performance

technology, but with each passing year these race-tested improvements are passed down to more budget friendly models.



Rottefella MOVE™ 3.0 allows you to move your bindings on the fly. With a simple twist of the MOVE™ 3.0 binding your skis can be optimized to provide more grip or more glide. For the first time you can adapt skis to your performance level, the terrain, and the snow conditions all at a moment's notice.



RACE PRO CLASSIC

The Race Pro Classic takes its DNA from the materials and camber construction of our race proven Redline series. Due to the heavy Redline inspired design, the Race Pro Classic provides premium performance at a price that won't break the bank. The Race Pro is designed with a dynamic camber that excels in hardwax conditions, while still providing enough camber height and volume to accommodate klister when the need arises.

Item: N21102
Race Pro Classic
Length: 182-207/5

Sidecut: 43-44-44
Weight: 1000gr/187cm (pair)
Core: PR 100X & Triaxial
Carbon Construction

Base: P300 Nano
Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0

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LEVEL	RACE				
CATEGORY	CLASSIC				
Stride	Stability Control	Lightness	Double Pole	Dynamic Response Energy Return	



RACE SPEED CLASSIC

With a camber design and construction directly inspired by the Redline series of skis, the Race Speed Classic offers very easy grip without compromising glide. The carbon construction makes the Race Speed Classic a light and lively ski well suited for everyday training and as well as racing.

Item: N21252
Race Speed Classic
Length: 182-207/5

Sidecut: 43-44-44
Weight: 1050gr/187cm (pair)
Core: PR90 & Triaxial Carbon
Construction

Base: P200 Nano Universal
Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0

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LEVEL	RACE / ENDURANCE				
CATEGORY	CLASSIC				
Stride	Stability Control	Lightness	Double Pole	Dynamic Response Energy Return	

FLUOR
FREE
SKI BASES



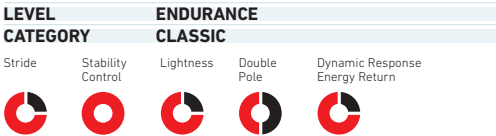
ENDURANCE CLASSIC

The ideal choice for fast fitness workouts and long weekend tours, the Madshus Endurance Classic is a light ski that is built to maximize enjoyment in the mountains, through the forest, and wherever else your ski tours take you. The new lightweight core material significantly decreases weight, increases responsiveness, and makes for a more enjoyable on-snow experience!

Item: N21292
Endurance Classic
Length: 182-207/5

Sidecut: 43-44-44
Weight: 1094gr/187cm (pair)
Core: AstaraLite
Base: P190 Nano Universal

Camber: Classic Universal/
Madshus Speed Tip Cold
Binding plate: MOVE™ 3.0



ACTIVE CLASSIC

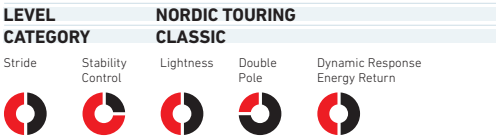
The Active Classic is a lightweight touring and training ski. The sidecut is wider in the tip and tail, which improves stability and makes the Active Classic a great choice for exploring the trails comfortably and confidently.

Item: N21342
Active Classic
Length: 177-207/5

Sidecut: 44-42-43
Weight: 1150gr/190cm (pair)

Core: Paulownia Carbon Hybrid & Torsion cap

Base: P-TEX 2000 Electra
Binding plate: MOVE™ 3.0



ACTIVE MGV

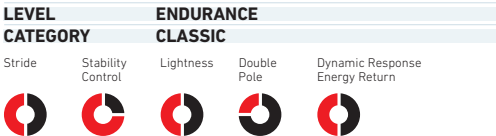
The Active MGV is a lightweight touring and training ski. The sidecut is wider in the tip and tail, which improves stability and makes the Active Classic a great choice for exploring the trails comfortably and confidently.

Item: N21348
Active MGV
Length: 177-207/5

Sidecut: 44-42-43
Weight: 1150gr/190cm (pair)

Core: Paulownia Carbon Hybrid & Torsion cap

Base: P-TEX 2000 Electra
Binding plate: MOVE™ 3.0
Tail Protector



RACE PRO CLASSIC JR

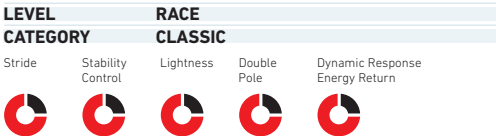
The Race Pro Classic Jr is a great option for young athletes starting out in the sport of cross-country skiing. With construction and camber designed to maximize stability and grip, the Race Pro Classic Jr helps to build confidence and skills allowing for all-day play making skiing more fun!

Item: N21142
Race Pro Classic Jr
Length: 147-177/10, 172

Sidecut: 44-42-44
Weight: 800gr/157cm (pair)

Core: Polycell & Torsion Cap 3D

Base: P190 Nano Universal
Binding plate: JR/7





ACTIVE UNIVERSAL JR

The Active Universal Jr is a durable ski for young skiers who are new to the sport of cross-country skiing. The camber and geometry allow the same ski to be used for both skate and classic skiing and provides a great way for juniors to build their confidence and develop their skills.

Item: N21813
Active Universal JR
Length: 117-167/10

Sidecut: 44-42-43
Weight: 875gr/160cm (pair)

Core: Paulownia Carbon Hybrid & Torsion Cap

Base: P-TEX 2000 Electra
Binding plate: JR

LEVEL CATEGORY	NORDIC TOURING CLASSIC				
Stride	Stability Control	Lightness	Double Pole	Dynamic Response Energy Return	



RACELIGHT MG

Sets ambitious kids up for success and is both affordable and kid friendly. The Racelight series features durable, light-weight construction and an easy-to-use binding plate which makes for tons of winter fun.

Item: N19879
Racelight MG
Length: 90-170/10

Sidecut: 48-48-48
Weight: 825gr/130cm (pair)
Core: Multicore (Wood) & Torsion cap

Base: No Wax
Binding plate: NEMO SCR

LEVEL CATEGORY	KID CLASSIC				
Stride	Stability Control	Lightness	Double Pole	Dynamic Response Energy Return	



SNOWPUP 85

With wide and stable construction, the Snow Pup has a NoWax base for easy snowy exploration. We've included a Universal binding platform for season-to-season versatility that keeps up with growing feet. Make the Snow Pup your kid's first ski.

Item: N11881
Snowpup 85
Length: 85

Sidecut: 65-55-60
Weight: 825/85 cm (pair)
Core: ABS

Base: No Wax



SKATE SERIES

The Madshus Skate series contains models perfect for people of all skill levels to enjoy skate skiing. Race Pro, Race Speed, and Endurace all utilize knowledge gained from the development of our highly successful

Redline Carbon Skate and seek to wrap this into a more affordable package. This provides the highest performance possible at each price point, leaving you to focus on enjoying your time on snow.



RACE PRO SKATE

The ultimate example of trickle-down technology. The Race Pro Skate is the rebranded version of our former flagship model, the Redline Carbon Skate. With numerous Olympic and World Cup victories on its resume, this is a seriously high-performance ski with proven performance at the highest level.

With a lower price tag compared to the Redline 3.0, the Race Pro Skate ski represents a more affordable way to put skis on your feet which will help you achieve your goals. The carbon construction of the Race Pro Skate provides a powerful and stable platform, as well as our top level P300 Nano base to help you set the pace. A universal camber profile designed to fit all condition makes this model a versatile option for any ambitious racer.

Item: N2119
Race Pro Skate
Length: 172-192 RSL/5

Sidecut: 44-43-44
Weight: 1000gr/187cm (pair)
Core: Core: PR 100X & Triaxial
Carbon Construction

Base: P300 Nano Universal
Camber: Skate Medium/
Madshus Speed Tip Cold
Binding plate: NIS 7

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RACE SPEED SKATE

The Race Speed Skate is the perfect ski for conquering race day and every day. Featuring race proven geometry and carbon construction, high quality base material, and a universal skate camber to handle all track conditions, the Race Speed Skate is a solid choice and represents exceptional value for money.

Item: N21254
Race Speed Skate
Length: 172-192 RSL/5

Sidecut: 44-43-44
Weight: 1050gr/187cm (pair)
Core: PR90 & Triaxial Carbon
Construction

Base: P200 Nano Universal
Camber: Skate Universal/
Madshus Speed Tip Cold
Binding plate: NIS 7

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ENDURANCE SKATE

The Endurance Skate is a training and skate touring ski. Race-inspired geometry and sidecut make the ski stable at speed, providing precision and control. The new lightweight core material significantly decreases weight, increases responsiveness, and makes for a more enjoyable on-snow experience!

Item: N21294
Endurance Skate
Length: 172-192 RSL/5

Sidecut: 44-43-44
Weight: 1094gr/187 (pair)
Core: AstaraLite
Base: P190 Nano Universal

Camber: Skate Medium/
Madshus Speed Tip Cold
Binding plate: NIS 7



ACTIVE PRO SKATE

The Active Pro Skate has a radiused sidecut specifically designed to provide extra stability, ultimately improving on-snow experience. More confidence on your skis will allow you to focus on developing your skills and enjoy nature at your own pace.

Item: N21373
Active Pro Skate
Length: 172-192 RSL/5

Sidecut: 44-40-44
Weight: 1148gr/187cm (pair)
Core: Polycell & Torsion
Cap 3D

Base: P170 Nano Universal
Camber: Skate Medium/
Madshus Speed Tip Cold.
Binding plate: NIS 7



ACTIVE SKATE

Designed for easy handling and solid performance, the Madshus Active Skate will speed up your learning curve and get you enjoying skate skiing as quickly as possible, while keeping up with your inevitable skill progression. The improved confidence that beginner and intermediate skiers receive will result in a more efficient and dynamic push, as well as a longer and more comfortable gliding phase.

Item: N21343
Active Skate
Length: 167-192/5

Sidecut: 44-40-44
Weight: 1148gr/187cm (pair)
Core: Paulownia Carbon
Hybrid & Torsion cap

Base: P-TEX 2000 Electra
Binding plate: NIS 7
Tailprotector



RACE PRO SKATE JR

The Race Pro Skate Jr ski is a great option for juniors starting out in the sport of cross-country skiing. The construction and materials used take inspiration from our senior models, but the geometry is adjusted for the proportions and weight of junior skiers. With an emphasis on stability, the Race Pro Skate Jr is the perfect ski for building confidence and improving balance and skills. This helps your junior to advance to the next level, and will allow them to have fun doing so!

Item: N21149
Race Pro Skate JR
Length: 142-167/5 RSL

Sidecut: 44-43-44
Weight: 789gr/157 cm (pair)
Core: Polycell & Torsion
Cap 3D

Base: P190 Nano Universal
Binding plate: NIS JR/7



ACTIVE SKATE JR

The Active Skate Jr is perfect for young skiers interested in learning how to skate ski. With a durable construction and geometry specifically designed to suit younger skiers' size and weight, this ski will stand up to any rambunctious junior as they train, race and have fun all day long.

Item: N21814
Active Skate JR
Length: 117-157/10

Sidecut: 44-42-43
Weight: 875gr/157cm (pair)
Core: Paulownia Carbon
Hybrid & Torsion cap

Base: P-TEX 2000 Electra
Binding plate: NIS JR

BACK COUNTRY SERIES



FJELLTECH M44 SKIN

This ski will conquer it all. From groomed and tracked skiing to firm off-track terrain, all while providing excellent control in icy conditions due to the steel edge. The Integrated skin will ensure a secure kick and a smooth glide.

Item: N21968
Fjelltech M44 SKIN
Length: 177, 187, 192, 202

Sidecut: 54-44-49
Weight: 1780gr/187 cm (pair)
Core: Paulownia glass & Triaxial Cap

Base: P-Tex 2000 Electra + Mohair mix
Binding plate: MOVE™ 3.0

Skin
INTEGRATED



FJELLTECH M50 SKIN

A do-it-all Nordic touring ski with an integrated skin. The 50mm waist is the wider of the two Fjelltech models, providing to a more stable and controllable ski. The Fjelltech M50 is still skinny enough to cruise the classic tracks, and like its brother it's ready to hop off into the backcountry at a moment's notice. No matter which adventure you choose, in track or off-piste, the Integrated skin will be there to ensure you always have secure kick and a smooth glide. NEW: Fjelltech is delivered with the interface plate required for Rottefella Move binding

Item: N21967
Fjelltech M50 SKIN
Length: 177, 187, 192, 202

Sidecut: 60-50-55
Weight: 1780gr/187 cm (pair)
Core: Paulownia glass & Triaxial Cap

Base: P-Tex 2000 Electra + Mohair mix
Binding plate: MOVE™ 3.0

Skin
INTEGRATED

Panorama skis are the first to feature our IntelliGrip® Transition system, and this increased flexibility makes these skis perfect for taking on the mountain. Winter conditions change fast, and it's critical to have gear you trust. A rock-solid product that can handle uphill, downhill, and flat terrain, the Panorama series of skis will help you explore nature and discover your own panorama.



PANORAMA M50

Is the narrowest ski in our Panorama line. The thinner profile is perfect for firmer snow conditions where less surface area is needed to keep the ski riding above the snow. The M50 is unique in the Panorama line because it has a steel edge which starts at the forebody—this keeps the tip of the ski flexible and allows the ski to better absorb bumps and chatter. The ski is also IntelliGrip® Transition ready, so you can ski easy knowing that no matter the conditions you'll always have the right skis for the job.

Item: N19966
Panorama M50
IntelliGrip® Transition
Length: 180,190,195,205

Sidecut: 60-50-55
Weight: 1780/192cm (pair)
Core: Multicore (Wood) & Triaxial Cap

Base: P-TEX 2000
Electra & Skin Pocket



PANORAMA M55

Is right in the middle of our Panorama line of skis. This profile is a good option as an all-around backcountry ski and provides a good compromise between soft and firm snow making this model a good option as an all-around backcountry ski. The M55 features a steel edge which runs the entire length of the ski to provide maximum edge control in all conditions. The ski is also IntelliGrip® Transition ready, so you can ski easy knowing that no matter what the mountain throws at you, you'll always have the right skis for the job.

Item: N19940
Panorama M55
IntelliGrip® Transition
Length: 180,190,195,205

Sidecut: 68-55-62
Weight: 1890/192cm (pair)
Core: Multicore (Wood) & Triaxial Cap

Base: P-TEX 2000
Electra & Skin Pocket





PANORAMA M62

The Panorama M62 is the bridge between our Madshus Nordic heritage and innovative backcountry downhill design. The Panorama M62 has more camber and a narrower platform than the Panorama M68 or Panorama M78, but features the same reliable Omnitrack® waxless base, making it the perfect blend of efficiency and versatility for off-trail travel.

Item: N21871
Panorama M62
Length: 162, 172, 182, 192, 202

Sidecut: 83-62-70
Weight: 1890gr/192cm (pair)

Core: Multicore (Wood)
& Triaxial Cap
Base: MGV Omni



PANORAMA M68

The Panorama M68 is a backcountry ski built to cover long distances over a variety of terrain. The Omnitrack® waxless base provides efficient propulsion over rolling terrain, and the progressive sidecut with full-length metal edges deliver lively feel and control while you're enjoying turns in the backcountry.

Item: N21870
Panorama M68
Length: 162-192/10

Sidecut: 99-68-84
Weight: 2530gr/182 cm (pair)

Core: Multicore (Wood)
& Triaxial Cap
Base: MGV Omni



PANORAMA M78

Panorama M78 is the widest ski in the Madshus backcountry line. The sidecut profile provides the tightest turning radius of any Madshus ski, helping you conquer steep terrain and multi-day tours. Our Omnitrack® waxless base lets you efficiently kick, glide, and climb during long tours through changing conditions. The Panorama 78 is a genuine blend of Madshus Nordic heritage and modern exploration.

Item: N21869
Panorama M78
Length: 162-192/10

Sidecut: 109-78-95
Weight: 2530gr/182 cm (pair)

Core: Multicore (Wood)
& Triaxial Cap
Base: MGV Omni



MADSHUS

BOOTS

MADSHUS RED	SKATE/ UNIVERSAL	CLASSIC	JUNIOR	BACK COUNTRY
Redline Skate	Race Pro Skate	Race Pro Classic	Redline JR	Glittertind
Redline Skiathlon	Race Speed Skate	Race Speed Classic	Race Speed JR	Vidda
Redline Classic	Endurace Skate	Endurace Classic	Raceline JR	
Redline JR	Race Speed Universal	Active Classic	Butterfly	
	Endurace U	Nordic Pro Classic		
	Race Speed JR	Nordic Classic		

Overview boot technology



REDLINE LAST: Anatomical last engineered for race fit, maximum control and performance.



RACE WRAP™ conform to the foot with minimal seams, providing smooth, even pressure distribution throughout the boot. The Race Wrap technology creates inner support for the mid-foot through an integrated web construction that directly connects to the carbon base, through a reinforced eye stay. This delivers a high-performance fit that is snugger and more comfortable while allowing for a more precise connection with the ski.



INTEGRATED CARBON BASE The 3D-molded Integrated Carbon Base transfers every ounce of power directly into the ski, with unparalleled stability. The one-piece base matches the contours of the foot, minimizing the amount of material between your foot and the ski for more direct drive.



MEMORY HEEL Soft, memory foam heel construction conforms to the shape of your heel, whatever its shape, to comfortably hold and stabilize the foot for skiing.



FRONT FOOT FLEX Engineered for long, powerful classic striding, Madshus classic boots easily and comfortably bend forward from the ball of the foot, up into the toes.



REVO WRAP™ construction envelops the foot with a single piece upper. The materials conform to the foot with minimal seams, providing even pressure distribution. When tighten the laces, it pulls directly on the upper material connected to the outsole, which help delivers a snugger, more comfortable fit, leading to precise control of your skis.



SOFTSHELL Madshus boots feature softshell lace covers. This waterproof and breathable material helps keep the foot warm, dry and comfortable.



PVC-FREE In keeping with Madshus' commitment to protecting our climate, Madshus RED, Race, selected Backcountry- and Junior boots are designed for the best in fit and breathable performance, in a totally PVC-Free construction.



INTEGRATED COMPOSITE BASE connects the cuff to the binding with a single contoured part to increase power transfer, edge control, stability and acceleration.



LACING FINGERS reach far below the boot's visible lacing – wrapping the whole foot rather than just pulling the sides together at the tongue – to secure the foot laterally and medially with balanced tension. The result is improved heel hold and a better overall fit.



MADSHUS OUTSOLE They are truly designed in every aspect to perfectly fit with the upper portion of our lasted boots. Two color dual injection utilizing two different materials for better fit, and function. Red color is more durable, while the black is designed to better conform with your foot shape. Less temperature sensitive materials to help keep the flex of the sole more consistent, and natural. A better more complete bonding surface, between the upper, and outsole. Taking full advantage of our new shape you are able to get closer to the ski for a better feeling, added control, and stability.

Madshus Boot Series

Since beginning boot production in 2006, Madshus has continually pushed to introduce new boot technology into the market. This year is no different as our boots have been redesigned from the inside out to provide more efficient power transfer, improved stability, and even lower weight – all with the goal of improving performance. However, these things mean nothing if a boot isn't comfortable. This is the reason

why we have worked, at every stage of the process, to ensure our boots provide the best possible fit while keeping your feet warm and dry all day long.

The Redline series has received a full upgrade, while the Race Speed series (formerly Hyper RP series) delivers trickle-down technology and provides an option for race-quality equipment at a lower price point.

REDLINE BOOTS

NEW



REDLINE CLASSIC

The Redline Classic – performance and comfort with super lightweight construction. The Integrated Carbon Base has been sculpted to provide performance fit for a wider range of feet. The carbon fiber layup is tuned for a spring-like classic flex in the forefoot, while providing the torsional rigidity and heel hold that only a carbon composite construction can deliver. The Redline Classic boot features a heel with built-in memory foam to conform and hold even the most difficult-to-fit feet. Weighing only 320g/size 42 this boot will help you reach your goals in comfort. The brand new RaceWrap low-cut liner construction provides a more contoured and comfortable fit.

Item: N210400401
Redline Classic
Sizes: 37–48
1/2 size: 39.5–44.5

Base: Integrated Carbon
Base: Classic
Outsole: Rottefella
Xcelerator SSR.

Upper: Softshell
without fleece.



Integrated Carbon Base



Lacing Fingers



Softshell



RaceWrap



Memory Heel



PVC Free

NEW



REDLINE SKATE

Accelerate your skiing with the most advanced Madshus boot yet! The new Redline Skate boot is engineered to provide even more stability, power and control. Weighing in at 445 grams (size 42), the new Redline Skate boot comes with a stiffer, interchangeable Power Cuff, and a totally redesigned Redline Integrated Carbon Base to improve stability around the heel as well as greatly improving the overall fit through the arch and forefoot. The brand new RaceWrap low-cut liner construction provides a more contoured, more comfortable fit so you have maximum control over your skis.

Item: N210400101
Redline Skate
Sizes: 37–48
1/2 size: 39.5–44.5

Cuff: Redline Carbon
Base: Integrated Carbon
Base: Redline Skate
Outsole: Rottefella F1

Upper: Softshell
without fleece.



Integrated Carbon Base



Lacing Fingers



Softshell



RaceWrap



Memory Heel



Power Cuff



PVC Free

REDLINE SKIATHLON

The Redline Skiathlon boot is built on the same 3D-shaped last as the new Redline Skate boot. The new Integrated Carbon Base and Power Cuff are designed to seamlessly handle the challenges of both skate and classic skiing, providing a platform for a powerful push, an effortless glide, and a comfortable kick. We recommend you try the Redline Skiathlon for marathon races – the increased support will help to prevent fatigue and keep you striding strong all the way to the finish. The brand new RaceWrap low-cut liner construction provides a more contoured and comfortable fit.

Item: N210400201
Redline Skiathlon
Sizes: 37–48

Cuff: Performance cuff
Base: Integrated carbon
base

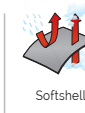
Outsole: Rottefella F1
Upper: Softshell without
fleece.



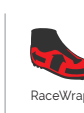
Integrated Carbon Base



Lacing Fingers



Softshell



RaceWrap



Memory Heel



Power Cuff



PVC Free

NEW



REDLINE JR

Redline JR features the same performance-oriented styling as the Redline adult boots, but with key differences that allow this boot to work for both skating and classic skiing. The Redline JR comes with a water-resistant and breathable Softshell upper, while the internal lacing fingers provide a secure fit for spending hours in the snow. Like the adult redline boots, the Redline JR features a two-piece integrated outsole—a unique feature in the world of junior ski boots!

Item: N210401001
Redline JR
Sizes: 36–42

Cuff: Performance
Heel counter: Integrated
Power Base

Outsole: Elite
Upper: Softshell



Lacing Fingers



Softshell



PVC Free

JR

NEW



RACE PRO SKATE

A more affordable racing alternative to the flagship Redline Skate boot, the Race Pro line contains many of the same features as our top model, and therefore provides a level of performance you'd expect from a racing boot. The integrated power base reduces weight and improves stability and control, while a slightly more voluminous last means that this boot is also a good choice for skiers who find our Redline boot too tight, or who require thicker socks or foot warmers to be comfortable.



Item: N200400401
Race Pro Skate
Sizes: 37-48
1/2 size: 39.5-44.5

Cuff: Redline Carbon Cuff
Base: Integrated Power Base

Outsole: Madshus Elite (2 pc)
Upper: Softshell w/fleece



RACE SPEED SKATE

Racing-level stability at an attractive price point. The Race Speed Skate boot is packed with performance features often associated with more expensive models. The 180° heel counter and the new race-shaped cuff provide stiffness and stability, while the water-repellent, breathable softshell lace cover protects your feet from the elements. Our Madshus performance outsole provides the final link between boot and ski. These features combine to make the Race Speed boot an exceptional value for both performance and all-day comfort.



Item: N210400501
Race Speed Skate
Sizes: 35-48

Cuff: Performance
Heel Counter: 180 Skate

Outsole: Madshus Performance
Upper: Softshell



ENDURANCE SKATE

Step into the Endurance Skate for a stable, reliable boot that will keep your feet comfortable all day long. On the outside your feet will stay dry and comfortable thanks to the softshell lace cover, while on the inside the RevoWrap lacing system hugs your foot and maintains even pressure distribution, snugly holding your feet in the correct position to maintain proper technique while skating.



Item: N200400101
Endurance Skate
Sizes: 35-48

Cuff: Injected
Heel counter: Polyamide
Outsole: Madshus Performance

Upper: RevoWrap™
Softshell w/fleece



RACE SPEED UNIVERSAL

Balancing the needs of skate and classic boots is no easy task, but through careful material and feature selection we've created the Race Speed Universal – a boot that's comfortable both while skating as well as in the track. A flexible forefoot to prevent pain during classic striding, an ankle cuff to provide lateral support during skating, and the Madshus performance outsole all add up to make the Race Speed Universal an excellent choice regardless of your skiing technique. The Race Speed Universal is also a good option for skiers who prefer more control than a typical classic boot provides: the ankle cuff will boost your confidence on steep and twisty descents.



Item: N210400601
Race Speed Universal
Sizes: 35-48

Cuff: Performance
Heel Counter: 180 Skate

Outsole: Madshus Performance
Upper: Softshell.



ENDURANCE U

Split down the middle, the Endurance U has cuff and ankle support of the old Hyper S skate boot and the forefoot of the Hyper C classic boot. This makes for a boot that sacrifices very little skating stability, yet still allows for pain-free classic skiing as the forefoot of the boot can flex with your foot. Add RevoWrap lacing and a softshell lace cover and you've got one boot that can be used for either skating or classic, your only challenge is deciding which to pick today.



Item: N200400301
Endurance U
Sizes: 35-48

Cuff: Injected
Heel counter: Polyamide
Outsole: Madshus Performance

Upper: RevoWrap™
Softshell w/fleece.



RACE SPEED JR

The new Race Speed JR is skate and classic boot that's as comfortable skating as it is in the track. Designed for young skiers, the forefoot is flexible enough for classic striding, and the 180° heel counter provides lateral support and a stiffer heel. The Madshus performance outsole makes the Race Speed JR a solid choice for future Olympians.



Item: N210401101
Race Speed JR
Sizes: 33-42

Cuff: Polyamide
Heel Counter: Polyamide

Outsole: Madshus JR Performance
Upper: Softshell





RACE PRO CLASSIC

The Race Pro Classic has an even forefoot flex engineered for long, powerful strides. For long glides between each kick, the heel counter and lacing fingers stabilizes the foot, letting it relax and recover before starting the next stride. The PU-coated microfibre upper lets the foot breathe, while the waterproof and breathable softshell lace cover keeps the snow out for full days of training and racing.

Item: N200400501 Race Pro Classic Sizes: 35-48 1/2 size: 39.5-44.5	Heel counter: Race Pro Outsole: Madshus Race	Upper: Softshell w/fleece Lacing Fingers
 Lacing Fingers	 Softshell	 Pvc Free

RACE SPEED CLASSIC

Stiff where you need it, flexible where you want it: the Race Speed Classic boot flexes with your foot to provide stability, control, and feel – all without sacrificing comfort. The Race Speed Classic features the new 180° classic heel counter for improved stability and superior fit, while the R3 outsole and Lacing fingers system securely holds your foot improving your technique and helping you get more glide out of every stride.



Item: N210400701 Race Speed Classic Sizes: 35-48	Heel Counter: 180 Classic Outsole: Madshus Performance	Upper: Softshell w/fleece Lacing Fingers
 Lacing Fingers	 Softshell	 Pvc Free

ENDURACE CLASSIC

The Endurance Classic provides the comfort you need for hour after hour of classic skiing. The Torsion Box Tongue provides added stability, and our RevoWrap lacing pattern keeps your foot in place without uncomfortable rubbing or hotspots to ensure nothing holds you back while training and racing.



Item: N200400201 Endurance Classic Sizes: 35-48	Outsole: Madshus Performance	Upper: Revowrap™ Softshell w/fleece
 Revowrap® Technology	 Softshell	 Pvc Free

ACTIVE CLASSIC

The Active Classic has a higher collar than our other models, providing an extra level of ankle support so you have the confidence to attack downhill with ease. A modified heel area also helps to further lock your foot in place, helpful for newer skiers who haven't yet built up their ankle strength. A flexible forefoot and waterproof, breathable lace cover mean you can ski comfortably all day long.

Item: N190400701 Active Classic Sizes: 35-48	Heel counter: PVC Outsole: T4	Upper: Softshell
 Softshell	 Lacing Fingers	



NORDIC PRO CLASSIC

The Nordic Pro features a stitched-on cuff for extra stability while skiing. The softshell lace cover – the same material used on our race boots – keeps you warm, dry and comfortable for long days in the forest, mountains or wherever your tours take you.

Item: N190400901 Nordic Pro Classic Sizes: 35-48	Cuff: Stitched on cuff Outsole: T4 Black	Upper: Softshell
 Revowrap® Technology	 Softshell	



NORDIC

The new Nordic boot uses a stable and supportive construction to deliver a secure midfoot and rearfoot hold, and a smooth forefoot flex for hours of classic touring. The softshell lace cover complements its quick-lacing eye stays for a secure, comfortable fit with breathability and water-resistance.

Item: N190400801 Nordic Classic Sizes: 35-48	Outsole: T4 Black.	Upper: Softshell
 Lacing Fingers	 Softshell	



JR



RACELINE

The Raceline Kids' Ski Boot is the ticket to the top of the podium for first time junior skiers. The softshell keeps feet warm and dry, letting your junior focus their attention on honing their skiing skills.

Item: N190401201 Raceline Sizes: 25-40	Outsole: T4/T4 JR Black.	Upper: Softshell.
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JR



BUTTERFLY

The girls' Butterfly Ski Boot was built to deliver comfort and value for aspiring skiers. With the same water-resistant and breathable softshell that's used in our adult line, your little skier will stay dry and warm during her winter explorations. This boot pairs seamlessly with the girl's Butterfly Ski.

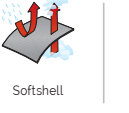
Item: N140400701 Butterfly Sizes: 25-37.	Outsole: T4/T4 JR Black.	Upper: Softshell.
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GLITTERTIND

The Glittertind's enhanced heel hold works with the instep powerstrap, hinged cuff and new ratcheting cuff closure for confident ski control on long tours – on and off track. The tall softshell lacecover keeps the snow out while the Thinsulate™ insulation keeps the heat in. Your feet will stay warm, dry, and comfortable throughout the journey. Pair the Glittertind with the new Back country skis.

Item: N180400901 Glittertind Sizes: 35-48. Cuff: C12 Injected.	Heel counter: C12 Injected Skate. Outsole: Rottefella BC.	Lace cover: Softshell. Upper: TPU with Thinsulate™. Linning Waterproof.
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VIDDA

With it's flexible forefoot and BC outsole, the Vidda helps you make long strides across new terrain; best for skiing hut-to-hut or while out exploring all day long. Out of the tracks, the enhanced heel-hold and external cuff keep you stable, while the Thinsulate™ insulation and waterproof lining keep you comfortable for the ride home. For hut-to-hut tours, we recommend that you pair the Vidda boot with the new Panorama or Fjelltech skin skis.

Item: N180401001 Vidda Sizes: 35-48.	Cuff: Stiched on cuff. Outsole: Rottefella BC.	Upper: PVC, TPU with Thinsulate™. Linning Waterproof.
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MADSHUS
AFTER BOOTIES

Item: N2015001
Sizes:
Small (5-7 US)
Medium (7-9 US)
Large (10-12 US)



MADSHUS
OVERBOOT

Item: N2004008
Sizes: 35-48



BOOT COVER
WARM

Item: N2004006
Sizes: 36-46



BOOT COVER
WET

Item: N2004007
Sizes: 36-46





MADSHUS

POLES

RACING

Redline Pole

Race Pro Pole

Race Pro Pole Kit

Race Speed Pole

Endurance Pole

TOURING

Active Pro Pole

Nordic Pole

JUNIOR

Race Pro JR Pole

Racelight JR Pole

Madshus Pole Series

For fall 2021 we introduce Redline category level pole that features a revolutionary truncated airfoil cross section that reduces aerodynamic drag and allows you to ski faster and more efficiently. Together with the removable basket system TBS® and a well matched strap and handle technology to bring you the best

experience and performance. Madshus skipoles are engineered to deliver the perfect balance of weight, stiffness and durability. We realize that these properties must be balanced to create a skipole that will succeed in the real world: whether that means racing on the world cup or learning to ski for the first time.

Overview pole technology



HIGH MODULUS SHAFT Using 100% ultra high modulus carbon construction helps create a pole with increased stiffness and a reduced weight of 58 grams per meter. This results in an efficient, direct transfer of energy.



NEW RACE STRAPS With an even slimmer design of the all new Madshus race straps provides a snug fit that delivers secure and precise grip, superior power transfer and the comfort that elite racers and performance skiers expect.



CONTOUR CHAMPION STRAP The Madshus Contour Champion Strap uses material orientation and webbing extending to the wrist to prevent stretch, maximizing force transmission to get you to the finish line faster. The 3D-molded and 3D-heat-moldable shape works with the SuperGrip material to provide superior comfort and hand-hold.



NEW RACE HANDLE SYSTEM Madshus innovative race handle system features a fixed strap, preventing the strap from sliding and slipping during skiing, while at the same time allowing for easy adjustment whenever needed. Natural cork handle provides secure and precise grip, superior power transfer and the comfort that elite racers and performance skiers expect.



3D HEAT MOLDABLE The shape of the Madshus Contour straps is 3D-molded at the factory – like an orthotic for your hand – to securely hold onto the complex shape of your hand. The strap is flexible and heat-moldable to create a customized fit and the most efficient force transfer to the pole.



NEW TBS® BASKET SYSTEM The new TBS® basket system allows you to change the baskets on the spot and without tools, depending on the snow conditions. Dome-shaped baskets easily shed the snow, while an aerodynamic cross design provides optimal pendulum and swing balance. The TBS® basket system is developed by Swix, proven over time by their successful World Cup athletes and now manufactured under license by Madshus.

NEW REDLINE POLE

The all new Redline pole features a truncated airfoil cross section that reduces aerodynamic drag and allows you to ski faster and more efficiently. The shaft is constructed from 100% ultra-high modulus carbon with the best stiffness to weight ratio in our pole lineup. With a sculpted natural cork race handle and our new race strap, the Redline Pole delivers secure grip and superior power transfer that elite racers expect. The TBS® basket system allows you to change the baskets quickly and without tools, so you're prepared for all snow conditions.

Item: N2109001
Length: 135-175 cm
(2.5cm interval).
Shaft: 100% Ultra High Modulus Carbon.
Tip diameter: 10mm.
Butt diameter: 16mm.

Strap: Race Curve
Basket: Small TBS® with Tungsten Carbide Tip.
Handle: Redline Handle
Weight: 54 g/m



NEW UNIQUELY SHAPED TUBE

Truncated Airfoil shape made with bladder molding technology.



NEW

NEW TUBE
New uniquely shaped tube: Truncated Airfoil shape made with bladder molding technology.

SHAFT
100% Ultra high-modulus carbon shaft with the best weight-to-stiffness ratio.

WEIGHT
Weight: 54g/m.

HANDLE
Natural cork race handle features a more sculpted shape.

STRAP
Redesigned race strap for maximum comfort and power transfer.

BASKET
TBS® basket system allows you to quickly change baskets without tools.



RACE PRO POLE

All new Race Pro pole. 100% Ultra high modulus carbon shaft with unbeatable weight-to-stiffness-ratio. With a natural cork race handle and our new race strap, the Race Pro Pole delivers secure and precise grip, superior power transfer and the comfort that elite racers and performance skiers expect. The TBS® basket system allows you to change the baskets on the spot and without tools, depending on the snow conditions.

Item: N2009001
Length: 135-175 cm
(2.5cm interval).
Shaft: 100% Ultra
High Modulus
Carbon.
Tip diameter: 10mm.
Butt diameter: 16mm.

Strap: Madshus Race.
Basket: Small TBS®
with Tungsten
Carbide Tip.
Handle: Madshus
Race with soft natural
pressed cork.
Weight: 54 g/m



RACE PRO KIT

Item: N2009002
Length: 155cm and
175cm
Shaft: 100% Ultra
High Modulus
Carbon.
Tip diameter: 10mm.
Butt diameter: 16mm.

Strap: Madshus Race.
Basket: Small TBS®
with Tungsten
Carbide Tip.
Handle: Madshus
Race with soft natural
pressed cork.
Weight: 54 g/m



RACE SPEED POLE

All new Race Speed pole. 100% High modulus carbon shaft delivers durability and lightweight performance aimed at racer and recreational skiers looking for a high-quality pole with low swing weight. With a natural cork race handle and our new race strap, the Race Speed Pole delivers secure and precise grip, superior power transfer and the comfort that racers and performance skiers expect. The TBS® basket system allows you to change the baskets on the spot and without tools, depending on the snow conditions.

Item: N2009003
Length: 135-175 cm
(2.5cm interval).
Shaft: 100% High
Strength Carbon
Tip diameter: 10mm.
Butt diameter: 16mm.

Strap: Madshus Race.
Basket: Small TBS®
with Tungsten
Carbide Tip.
Handle: Madshus
Race with soft natural
pressed cork.
Weight: 69 g/m



ENDURANCE POLE

Strong, lightweight and durable, the all new Endurance pole is designed with a weight-to-stiffness-ratio for performance and recreational skiers. With a natural cork race handle and our new race strap, the Endurance Pole delivers secure and precise grip, superior power transfer and the comfort that racers and performance skiers expect. The TBS® basket system allows you to change the baskets on the spot and without tools, depending on the snow conditions.

Item: N2009004
Length: 135-175 cm
(5cm interval).
Shaft: 70% Carbon
Tip diameter: 10mm.
Butt diameter: 16mm.
Strap: Madshus
Race Fit.

Basket: Large TBS®
with Tungsten
Carbide Tip.
Handle: Madshus
Race with soft natural
pressed cork.
Weight: 85 g/m



ACTIVE PRO POLE

The all new Active Pro pole is developed for recreational skiers looking for performance and comfort. The Active Pro pole a stiff and reliable option for cost-conscious cross-country skiers. An ergonomic handle combined with our Contour race strap provides optimal power transfer and all-day comfort.

Item: N2009005
Length: 135-175 cm
(5cm interval).
Shaft: 40% Carbon.
Tip diameter: 9mm.
Butt diameter: 16mm.
Strap: Contour Race.

Basket: 9mm Race
(Soft Snow) with small
Tungsten Carbine Tip.
Handle: Race with
natural cork.
Weight: 87 g/m



CONTOUR
CHAMPION
STRAP



3D HEAT
MOLDABLE



NORDIC POLE

The Madshus Nordic Ski Pole is a touring pole built to deliver value and performance at a bargain price. The Nordic is built with our signature Biathlon/Touring Strap that provides all-day comfort and function.

Item: N2009006
Length: 120-170 cm
(5cm interval).
Shaft: Carbon/Glass
Tip diameter: 10mm.
Butt diameter: 16mm.
Strap: Biathlon Strap

Basket: 10mm Race
(Soft Snow) with small
Tungsten Carbine Tip.
Handle: Cork Race,
natural cork.
Weight: 99 g/m



JR

RACE PRO JR POLE

The Race Pro Jr pole is a carbon racing pole for up-and-coming racers looking for a durable and light-weight performance pole. The natural cork race handle is designed for to fit junior skiers. Combined with the Contour jr strap, this pole offers the comfort, optimal power transfer and top performance that ambitious junior skiers expect. The TBS® basket system allows you to change the baskets on the spot and without tools, depending on the snow conditions.

Item: N2009007
Length: 100-150 cm
(5cm interval).
Shaft: 40% Carbon.
Tip diameter: 10mm.
Butt diameter: 16mm.
Strap: Contour JR.

Basket: Large TBS®
with Tungsten
Carbide Tip.
Handle: Cork Race,
natural cork.
Weight: 84 g/m



CONTOUR
CHAMPION
STRAP



3D HEAT
MOLDABLE



TBS®
BASKET



JR

RACELIGHT JR POLE

The Racelight jr Pole features a full-cork handle for warmth and a junior-sized Madshus Biathlon/touring Strap that's both comfortable and easy to use.

Item: N2009008
Length: 70-125 cm
(5cm interval). Shaft:
100% Fiberglass.
Tip diameter: 10mm.
Butt diameter: 16mm.

Strap: JR Biathlon.
Basket: 10mm Race w/
small Tungsten tip.
Handle: Cork Race,
natural cork.
Weight: 94 g/m





PRODUCT OVERVIEW

ACCESSORIES

POLES

RECOMMENDED LENGTHS

REDLINE SKI TABLES

BOOTS

SKIS



SKI-, POLE - AND RIFLE BAGS



Ski Bag 1-2 Pairs
N2101005
Color: Black
213x14x14cm.
Ski bag for reliable gear protection, holds 2 pairs of skis up to 210cm. External compression straps. 600D*300D Polyester and YKK zipper.



Ski Bag 5-6 Pairs
N2101006
Color: Black/Red
213x25x22cm.
Ski bag for reliable gear protection, holds 6 pairs of skis up to 210cm. External compression straps. 600D*300D Polyester and YKK zipper.



Ski Bag 15 Pairs
N2101007
Color: Black/Red
213x38x29cm.
Ski bag for reliable gear protection. Holds up to 15 ski pairs. 600D Polyester Ripstop and YKK zippers.



Pole Bag
N2101010
Color: Black/Red
Fully padded pole bag. 600D Polyester Ripstop and YKK zipper. Size: 183X15cm.



Pole Bag
Hardcase
N2101011
Color: Black/Red
600D*300D Polyester with PVC backing 100% Polyester



Rifle Bag
N2101008
Color: Black/Red
600D Polyester Ripstop YKK zipper. Size: 115x12x26.5cm.



Test Ski bag
6 pairs
N2001003
Color: Black
600D Polyester Ripstop YKK zipper. Size: 6 pairs

Test Ski bag
8 pairs
N2001004
Color: Black
600D Polyester Ripstop YKK zipper. Size: 8 pairs

BACKPACK, TRAVEL, BOOT BAG

	Race Backpack 12L N2101012 Color: Black	Light race backpack with pocket for hydration. Hidden rain cover. 210D Polyester Ripstop PU. 27x12x43 cm.		Race Day Backpack 54L N2101014 Color: Red	Backpack for carrying ski gear, separate pockets for ski boots on both sides. 600D Polyester Ripstop and YKK zippers. Volume: 54L. 36x41x46.5cm.
	Race Day Backpack 40L N2101013 Color: Black	Versatile and durable backpack with spacious main compartment and large outer pockets. 600D Polyester Ripstop and YKK zippers. 41x17x53cm.		Boot Bag N2101009 Color: Black	Durable boot bag for one pair of boot. 600D Polyester Ripstop and YKK zipper. 32X23x23cm.
	Duffel Bag 60L N2101015 Color: Red Size:	Durable bag that can be carried as a standard duffel or a backpack with it's stow away shoulder straps. 600D polyester Ripstop and YKK zippers.		Roller Bag 100L N2101016 Color: Black	Reliable and durable travel bag with wheels. 600D Polyester Ripstop and YKK zippers. 38.5x32x82cm.

BELTS

	Drink Belt N2101001 Color: Black Size:	Offset bottle design for easy access, with a small pocket for keys. 600D Polyester Ripstop and YKK zipper. BPA free.		Insulated Drink Belt N2101003 Color: Black 31x10x15.	Thermobelt with 1L insulated bottle that keeps your drink at the right temperature. Dishwasher safe and BPA free. Small storage pocket on top. 600D Polyester Ripstop and YKK zippers.
	Waist Belt Bag N2101002 Color: Black Size:	Hip pack features a storage pocket with a side bottle holder. 600D Polyester Ripstop and YKK zippers. BPA free.		Insulated Drink Belt N2101004 Color: Red 31x10x15.	Thermobelt with 1L insulated bottle that keeps your drink at the right temperature. Dishwasher safe and BPA free. Small storage pocket on top. 600D Polyester Ripstop and YKK zippers.

STRAPS

	Ski Strap Racing N2101041 Color: Red	3mm EVA + Nylon Velcro. Fits up to 48mm width skis. Measurements: 14x6cm.		Ski Strap Bc N2101043 Color: Red	3mm EVA + Nylon Velcro. Fits BC and kid's skis. Measurements: 29x5cm.
	Ski Strap Touring N2101042 Color: Black	3mm EVA + Nylon Velcro. Fits touring and kid's skis from 44 to 58mm. Measurements: 14.5x7cm.			

GLOVES

	Redline Glove N2101020 Color: Red	Race fit, windproof and breathable glove with goat leather in palm. Touch screen finger. Size 5-12/XXS-XXL.		Endurance Glove N2101023 Color: Black	Windproof and warm glove with Thinsulate™ insulation. Touch screen fingers and reflective details. Size: 5-12/XXS - XXL.
	Redline Mitt N2101021 Color: Red	Race fit, light, windproof and breathable glove. Touch screen fingers. Size: 5-12/XXS - XXL.		Active Glove N2101025 Color: Black	Comfortable and windproof lobster mitten with Thinsulate™ insulation and reflective details. Size: 5-12/XXS - XXL.
	Race Pro Glove N2101022 Color: Black	Race fit, warm, windproof and breathable glove with Thinsulate™ insulation. Touch screen fingers. Size 5-12/XXS-XXL.		Endurance Split Mitt N2101024 Color: Black	Race fit, warm, windproof and breathable glove with Thinsulate™ insulation. Touch screen fingers. Size 5-12/XXS-XXL.

HATS

Race Beanie N2101029 Color: Red/Black	Light and comfortable ski hat for racing. 92% polyester, 8% spandex. Size: M - L		Race Headband N2101032 Color: Black/Red	Light and comfortable headband. 92% polyester, 8% spandex. One size.	
Race Beanie N2101030 Color: Red/White	Light and comfortable ski hat for racing. 92% polyester, 8% spandex. Size: M - L		Race Headband N2101032 Color: White/Red	Light and comfortable headband. 92% polyester, 8% spandex. One size.	
Active Beanie N2101033 Color: Red/Black	Warm ski hat for training and racing on colder days. Fleece lining. 30% wool / 70% acrylic. Size: M - L		Active Vented Beanie N2101034 Color: Black/Red	Ventilated ski hat. 30% wool / 70% acrylic. Size: M - L.	
Active Beanie N2101033 Color: White/Blue/Gray	Warm ski hat for training and racing on colder days. Fleece lining. 30% wool / 70% acrylic. Size: M - L		Active Vented Beanie N2101034 Color: Black-Blue	Ventilated ski hat. 30% wool / 70% acrylic. Size: M - L.	
Active Beanie N2101033 Color: Red/White/Gray	Warm ski hat for training and racing on colder days. Fleece lining. 30% wool / 70% acrylic. Size: M - L		Active Vented Beanie N2101034 Color: White/Black	Ventilated ski hat. 30% wool / 70% acrylic. Size: M - L.	
M-Beanie N2101035 Color: Black	Double knitted casual ski hat. 30% wool / 70% acrylic. One size.		M-Headband N2101036 Color: Red	Double knitted headband with fleece lining. 30% wool / 70% acrylic. One size.	
M-Beanie N2101035 Color: Grey	Double knitted casual ski hat. 30% wool / 70% acrylic. One size.		M-Headband N2101036 Color: Black	Double knitted headband with fleece lining. 30% wool / 70% acrylic. One size.	
			M-Headband N2101036 Color: White	Double knitted headband with fleece lining. 30% wool / 70% acrylic. One size.	

Striped Hat N2101039 Color: White	Warmer casual ski hat with fleece lining. 30% wool. 70% acrylic. One size.		Logo Beanie N2101038 Color: Black	Warmer ski hat with retro look. Fleece lining. 30% wool. 70% acrylic. One size.	
Striped Hat N2101039 Color: Black	Warmer casual ski hat with fleece lining. 30% wool. 70% acrylic. One size.		Logo Beanie N2101038 Color: Red	Warmer ski hat with retro look. Fleece lining. 30% wool. 70% acrylic. One size.	
Striped Hat N2101039 Color: Green	Warmer casual ski hat with fleece lining. 30% wool. 70% acrylic. One size.		Active Neck N2101037 Color: Black	Double knitted warm neck. 30% wool / 70% acrylic. One size.	

BOOT COVER

Boot cover Warm N2004006	Boot cover with windstopper fabric and thinsulate insulation. Size: 36-37, 38-39, 40-41, 42-43, 44-45, 46-47	
Boot cover Waterproof N2004007	Boot cover in water resistant PU material. Size: 36-37, 38-39, 40-41, 42-43, 44-45, 46-47	

MADSHUS OVERBOOT

Madshus Boot cover N2004008	Boot cover with windstopper fabric and thinsulate insulation. Size: 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48.	
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RECOMMENDED LENGTH OF SKIS AND POLES

SKIER HEIGHT	INTELLIGRIP/SKIN CLASSIC SKIS	SKATE SKIS	CLASSIC POLES	SKATE POLES
90 cm	90	90	60	70
95 cm	90	90	65	75
100 cm	100	100	70	80
105 cm	100/110	100	75	85
110 cm	110	110	80	90
115 cm	120	120	85	95
120 cm	120/130	120	90	100
125 cm	130/140	130	95	105
130 cm	142/152	130	100	110
135 cm	142/152	140	105	115
140 cm	147/157	142	110	120
145 cm	157/167	147	115	125
150 cm	167	152/157	120	130
155 cm	172	157/167	125	135
160 cm	177-187	162-167	130	140
165 cm	177-192	167-172	135	145
170 cm	187-197	172-177	140	150
175 cm	192-202	177-182	145	155
180 cm	202-207	182-187	150	160
185 cm	202-207	187-192	155	165
190 cm	207	187-192	160	170
195 cm	207	187-192	165	175
200 cm	207	187-192	170	175

SIZE CHART BOOTS

US M'S	EURO ADULT	CM	US W'S	EURO ADULT	CM
	35	20	4	35	20
	35.5	20.5	4.25	35.5	20.5
	36	21	4.5	36	21
	36.5	22	5	36.5	22
	37	22.5	5.5	37	22.5
5	37.5	22.75	6	37.5	22.75
5.5	38	23	6.5	38	23
5.75	38.5	23.5	6.75	38.5	23.5
6	39	24	7	39	24
6.5	39.5	24.25	7.5	39.5	24.25
7	40	24.5	8	40	24.5
7.5	40.5	25	8.5	40.5	25
8	41	25.25	9	41	25.25
8.5	41.5	25.5	9.5	41.5	25.5
9	42	26	10	42	26
9.25	42.5	26.25	10.25	42.5	26.25
9.5	43	26.5	10.5	43	26.5
9.75	43.5	26.75	10.75	43.5	26.75
10	44	27	11	44	27
10.5	44.5	27.5	11.5	44.5	27.5
11	45	28	12	45	28
11.25	45.5	28.25	12.5	45.5	28.25
11.5	46	28.5	12.5	46	28.5
11.75	46.5			46.5	
12	47	29.25		47	29.25
12.5	47.5			47.5	
13	48	30		48	30

POLES

Art. no	Model name	Length	Shaft	Basket	Strap	Handle
N210g001	Redline Pole	135-175 cm/2.5cm	100% Ultra High Modulus Carbon	Small Racing basket TBS®	Race curve strap	Redline
N200g001	Race Pro Pole	135-175 cm/2.5 cm	100% Ultra High Modulus Carbon	Small Racing basket TBS®	Race	Race
N200g002	Race Pro Pole Kit	155cm, 175cm	100% Ultra High Modulus Carbon	Small Racing basket TBS®	Race	Race
N200g003	Race Speed Pole	135-175 cm/2.5 cm	100% High Strength Carbon	Small Racing basket TBS®	Race	Race
N200g004	Endurace Pole	135-175 cm/5 cm	70% Carbon	Large Racing basket TBS®	Race Fit	Race
N200g005	Active Pro Pole	135-175 cm/5 cm	40% Carbon	9mm Race basket	Contour Race	Cork Race
N200g0060	Nordic Pole	120-170 cm/5 cm	Carbon/Glass Composite	10mm Race basket Soft Snow	Biathlon	Cork Race
N200g007	Race Pro Jr Pole	100 - 150/5 cm	40% Carbon	Large Racing basket TBS®	Contour Jr. Race	Cork Race
N200g008	Racelight Jr Pole	70-125/5 cm	Fiberglass	10mm Race basket	Junior Biathlon	Cork Race

POLES EXTRA PARTS

Art. no	BASKET	Art. no	STRAP
N200g010010	Race Basket Small TBS ®	N210g00201	Race Strap Curve Small
N200g011010	Race Basket Large TBS ®	N210g00201	Race Strap Curve Medium
N07NP20002	9mm Race Basket - Tungsten	N210g00201	Race Strap Curve Large
N150g005010	10mm UHM Basket - BLACK	N210g00201	Race Strap Curve X-Large
N150g006010	10mm Powder Basket - BLACK	N200g012010	Race Strap Small
N0gNP20005	10mm Race Basket w/small tungsten tip	N200g013010	Race Strap Medium
N160g004010	Roller Ferrule: 10mm	N200g014010	Race Strap Large
N160g003010	Roller Ferrule: 6mm	N170g006010	CONTOUR CHAMPION STRAP - xS
N200g009010	Race Handle	N170g007010	CONTOUR CH AMPION STRAP - S
N150g003010	Cork Race Handle & Wedge	N170g008010	CONTOUR CHAMPION STRAP - M
		N170g009010	CONTOUR CHAMPION STRAP - L
		N07NP4000gx	Biathlon Strap - Contoured

Weight tables

Redline 3.0

REDLINE CLASSIC

	30-40	40-50	50-60	60-70	70-80	80-90	90+
207							
202							
197							
192							
187							
182							

REDLINE INTELLIGRIP

	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100+
207								
202								
197								
192								
187								
182								

REDLINE SKATE

	30-45	45-60	40-55	55-70	50-65	65-80	60-75	75-90	70-85	85-100+
192										
187										
182										
177										
172										

REDLINE DOUBLE POLE

	50-80	60-90	70-100
192			
187			

REDLINE JUNIOR CLASSIC

	20-30	30-40	40-50	50-60
187				
182				
177				
172				
167				
157				
147				

Selecting

Redline 3.0

REDLINE CLASSIC COLD

Refer to the camber height marked on the NIS plate.
Recommended camber heights for racer body weight in Empower:
– Half weight: 1.3-2.0
– Full weight: 0.4-0.8

Measure the closing of the wax pocket (if necessary):
Place the skis in the flex tester with the balance point at 8 cm. Apply pressure to the ski until the 0.2 mm shim grips/sticks at the balance point of the ski. This shim should grip/stick at approximately 60%-80% of the racer's body weight on a hard-wax ski.

Measure the flattening of the wax pocket (if necessary):
Place the skis in the flex tester with the balance point at 8 cm. Push the ski down to 0.1 mm height and make sure the height of the wax pocket doesn't increase forward on the skis.

REDLINE CLASSIC WARM

Refer to the camber height marked on the NIS plate.
Recommended camber heights for racer body weight in Empower:
– Half weight: 1.6-2.8
– Full weight: 0.5-0.9

REDLINE INTELLIGRIP

Refer to the camber height marked on the NIS plate.
Recommended camber heights for racer body weight in Empower:
– Half weight: 1.4-2.6
– Full weight: 0.4-0.9

REDLINE SKATE F2

Refer to the camber height marked on the NIS plate.
Recommended camber heights for racer body weight in Empower:
– Half weight: 3.5-5.5
– Full weight: 1.0-3.0

REDLINE SKATE F3

Refer to the camber height marked on the NIS plate.
Recommended camber heights for racer body weight in Empower:
– Half weight: 3.0-5.0
– Full weight: 1.0-3.0

MADSHUS RED



Art. no.	Model	Sizes	Heel Counter	Cuff	Lacecover / Upper	Outsole
N210400401	Redline Classic	37-48 / 38.5-44.5	Integrated Carbon Base: Classic	-	Redline Softshell without fleece	Xcelerator SSR
N210400101	Redline Skate	37-48 / 38.5-44.5	Integrated Carbon Base: Skate	Redline Carbon cuff	Redline Softshell without fleece	Rottefella F1
N210400201	Redline Skiathlon	37-48	Integrated Carbon Base: Pursuit	PC Carbon cuff	Redline Softshell without fleece	Rottefella F1
N210401001	Redline JR	36-42	Integrated Power Base	PC cuff		Madshus Elite

SKATE



Art. no.	Model	Sizes	Heel Counter	Cuff	Lacecover / Upper	Outsole
N200400401	Race Pro Skate	37-48 / 39.5-44.5	Integrated Power Base	Redline Carbon cuff	Softshell	Madshus Elite (2pc)
N210400501	Race Speed Skate	35-48	180 Skate	PC cuff	Softshell	Madshus Performance
N200400101	Endurance Skate	35-48	Universal	Injected	Softshell	Madshus Performance

UNIVERSAL



Art. no.	Model	Sizes	Heel Counter	Cuff	Lacecover / Upper	Outsole
N210400601	Race Speed Universal	35-48	180 Skate	PC cuff	Softshell	Madshus Performance
N200400301	Endurance U	35-48	Hyper U	Injected	Softshell	Madshus Performance
N210401101	Race Speed JR	33-42	180 Skate	PC cuff	Softshell	Madshus Performance

CLASSIC



Art. no.	Model	Sizes	Heel Counter	Cuff	Upper	Outsole
N200400501	Race Pro Classic	35-48 / 39.5-44.5	180 Classic	-	Softshell	Madshus Race
N210400701	Race Speed Classic	35-48	180 Classic	-	Softshell	Madshus Performance
N200400201	Endurance Classic	35-48	-	-	Softshell	Madshus Performance
N190400701	Active C	35-48	PU	-	Softshell	T4

CLASSIC



Art. no.	Model	Sizes	Heel Counter	Cuff	Lacecover	Upper	Outsole
N190400901	Nordic Pro	35-48	PU	Stiched on cuff	Softshell	PVC	T4
N190400801	Nordic C	35-48	PU	-	Softshell	PVC	T4
N190401201	Raceline	25-40	PU	-	Softshell	PVC	T4 / T4JR
N140400701	Butterfly	25-37	PU	-	Softshell	PVC	T4 / T4JR

BACK COUNTRY



Art. no.	Model	Sizes	Heel Counter	Cuff	Lacecover	Upper	Lining	Outsole
N180400901	Glittertind	35-48	Hyper Polyamide Skate	Polyamide	Softshell	TPU with Thinsulate™	Waterproof	Rottefella BC
N180401001	Vidda	35-48		Stiched on cuff		PVC, TPU with Thinsulate™	Waterproof	Rottefella BC
N2015001	Afterski Bootie	Small (5-7 US) / Med (7-9 US) / Lrg (10-12 US)				Intuition upper		Traction sole
N2004008	Madshus Overboot	35-48						

BOOTIES



OVERBOOT



Art. no.	Model	Sizes	Heel Counter	Cuff	Lacecover	Upper	Lining	Outsole
N180400901	Glittertind	35-48	Hyper Polyamide Skate	Polyamide	Softshell	TPU with Thinsulate™	Waterproof	Rottefella BC
N180401001	Vidda	35-48		Stiched on cuff		PVC, TPU with Thinsulate™	Waterproof	Rottefella BC
N2015001	Afterski Bootie	Small (5-7 US) / Med (7-9 US) / Lrg (10-12 US)				Intuition upper		Traction sole
N2004008	Madshus Overboot	35-48						

MADSHUS RED



	Art. no.	Model	Empower	NIS	Length	Sidecut	Weight/pair	Construction	Core	Base	Shape
1	N20008	Redline 3.0 Skate F2	Yes	7	172-192/5 RSL	41-44-44	950/187cm	Triaxial Carbon	PR100X	P300 Nano	3D
2	N20009	Redline 3.0 Skate F3	Yes	7	172-192/5 RSL	41-44-44	950/187cm	Triaxial Carbon	PR100X	P300 Nano	3D
3	N20004	Redline Double Pole	Yes	7	192	41-44-44	950/192cm	Triaxial Carbon	PR100X	P300 Nano	3D
4	N20005	Redline Double Pole	Yes	7	207	43-44-44	900gr/187cm	Triaxial Carbon	PR 100X	P300 Nano	3D
5	N20002	Redline 3.0 Classic Cold	Yes	MOVE	182-207/5	43-44-44	900/187cm	Triaxial Carbon	PR100X	P300 Nano	3D
5	N20003	Redline 3.0 Classic Warm	Yes	MOVE	182-207/5	43-44-44	900/187cm	Triaxial Carbon Plus	PR100X	P300 Nano	3D
7	N20007	Redline 3.0 Intelligrip®	Yes	MOVE	182-207/5	43-44-44	925/187cm	Triaxial Carbon	PR100X	P300 Nano, 100% Mohair	3D
8	N20042	Redline Classic JR	Yes	JR/7	147-177/10, 172, 187	44-42-44	775/157cm	Triaxial Carbon	PR90X	P300 Nano	3D
9	N20049	Redline Skate JR	Yes	JR/7	142-172/5 RSL	41-44-44	775/157cm	Triaxial Carbon	PR90X	P300 Nano	3D

SKIN



	Art. no.	Model	Empower	NIS	Length	Sidecut	Weight/pair	Construction	Core	Base	Shape
1	N21107	Race Pro Skin	Yes	MOVE	182-207/5	43-44-44	1000/187cm	Triaxial Carbon	PR100x	P 300 Nano + 100% mohair	3D
2	N21257	Race Speed Skin	Yes	MOVE	182-207/5	43-44-44	1050/187cm	Triaxial Carbon	PR90X	P200 Nano Universal, Mohair mix	3D
3	N21297	Endurance Skin	Yes	MOVE	182-207/5	43-44-44	1094/187cm	Torsion Cap 3D	AstaraLite	P 190 Nano Universal + Mohair mix	3D
4	N21377	Active Pro Skin	Yes	MOVE	182-207/5	43-44-44	1150/187cm	Torsion Cap 3D	Polycell	P170 Nano Universal, Mohair mix	3D
5	N21344	Active Skin		MOVE	177-207/5	44-42-43	1150/187cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra, Mohair mix	
6	N21487	Nordic Pro Skin	Yes	MOVE	177-207/5	47-44-46	1175/187cm	Torsion Cap 3D	Polycell	P170 Nano Universal, Mohair mix	3D
7	N21447	Nordic Skin		MOVE	177-207/5	48-44-46	1220/190cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra, Mohair mix	
8	N21147	Race Pro Skin JR		JR/7	147-177/10, 172	44-42-44	800/157cm	Torsion Cap 3D	Polycell	P190 Nano Universal, Mohair mix	3D
9	N21812	Active Skin JR		JR	117-167/10	44-42-43	875/160cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra, Mohair mix	
10	N19877	Racelight Intelligrip® JR		Nemo_scr	90-170/10	48-48-48	825/130cm	Torsion Cap	Multicore (Wood)	Polytex, Mohair mix	

CLASSIC



	Art. no.	Model	Empower	NIS	Length	Sidecut	Weight/pair	Construction	Core	Base	Shape
1	N21102	Race Pro Classic	Yes	MOVE	182-207/5	43-44-44	1000/187cm	Triaxial Carbon	PR100X	P 300 Nano	3D
2	N21252	Race Speed Classic	Yes	MOVE	182-207/5	43-44-44	1050/187cm	Triaxial Carbon	PR90X	P 200 Nano Universal	3D
3	N21292	Endurance Classic	Yes	MOVE	182-207/5	43-44-44	1094/187cm	Torsion Cap 3D	AstaraLite	P 190 Nano Universal	3D
4	N21342	Active Classic		MOVE	177-207/5	44-42-43	1150/187cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra	
5	N21348	Active MG		MOVE	177-207/5	44-42-43	1150/187cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra	
6	N21142	Race Pro Classic Jr		JR/7	147-177/10, 172	44-42-44	800/157cm	Torsion Cap 3D	Polycell	P190 Nano Universal	3D
7	N21813	Active Universal Jr		JR	117-167/10	44-42-43	875/160cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra	3D
8	N19879	Racelight MG		Nemo_scr	90-170/10	48-48-48	825/130cm	Torsion Cap	Multicore (Wood)	No-Wax	
9	N11881	Snowpup 85			85	65-55-60			ABS	No-Wax	

SKATE



	Art. no.	Model	Empower	NIS	Length	Sidecut	Weight/pair	Construction	Core	Base	Shape
1	N21119	Race Pro Skate	Yes	7	172-192 RSL/5	44-43-44	1000/187cm	Triaxial Carbon	PR100x	P 300 Nano	3D
2	N21254	Race Speed Skate	Yes	7	172-192 RSL/5	44-43-44	1050/187cm	Triaxial Carbon	PR90X	P 200 Nano Universal	3D
3	N21294	Endurance Skate	Yes	7	172-192 RSL/5	44-43-44	1094/187cm	Torsion Cap 3D	AstaraLite	P 190 Nano Universal	3D
4	N21373	Active Pro Skate	Yes	7	172-192 RSL/5	44-40-44	1150/187cm	Torsion Cap 3D	Polycell	P 170 Nano Universal	3D
5	N21343	Active Skate		7	167-192/5	44-40-44	1150/190cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra	
6	N21149	Race Pro Skate JR		JR/7	142-167 RSL/5	44-43-44	800/160cm	Torsion Cap 3D	Polycell	P 200 Nano Universal	3D
7	N21814	Active Skate JR		JR	117-157/10	44-42-43	875/160cm	Torsion Cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra	

BACK COUNTRY



	Art. no.	Model	NIS	Length	Sidecut	Weight/pair	Construction	Core	Base
2	N21968	Fjelltech M44 Skin	MOVE	177, 187, 192, 202	54-44-49	1780/187 cm	Triaxial Cap	Paulownia Glass	P-Tex 2000 Electra + Mohair mix
1	N21967	Fjelltech M50 Skin	MOVE	177, 187, 192, 202	60-50-55	1780/187 cm	Triaxial Cap	Paulownia Glass	P-Tex 2000 Electra + Mohair mix
3	N19966	Panorama M50 IntelliGrip® Transition		180, 190, 195, 205	60-50-55	1780/192 cm	Triaxial Cap	Multicore (Wood)	P-Tex 2000 Electra + Skin pocket
4	N19940	Panorama M55 IntelliGrip® Transition		180, 190, 195, 205	68-55-62	1890/192 cm	Triaxial Cap	Multicore (Wood)	P-Tex 2000 Electra + Skin pocket
5	N21930	Panorama M62		162-202/10	83-62-70	1890/192 cm	Triaxial Cap	Paulownia/Bamboo	Omnigrip®
6	N21870	Panorama M68		162-192/10	99-68-84	2530/182 cm	Triaxial Cap	Paulownia/Maple	Omnigrip®
5	N21930	Panorama M78		162-192/10	109-78-95	2530/182 cm	Triaxial Cap	Paulownia/Maple	Omnigrip®

MADSHUS SKI LINE OVERVIEW

MADSHUS RED	SKIN	CLASSIC	SKATE	BACK COUNTRY
Redline 3.0 Skate F2	Race Pro Skin	Race Pro Classic	Race Pro Skate	Fjelltech M44 Skin
Redline 3.0 Skate F3	Race Speed Skin	Race Speed Classic	Race Speed Skate	Fjelltech M50 Skin
Redline Double Pole 192cm	Endurace Skin	Endurace Classic	Endurace Skate	Panorama M50
Redline Double Pole 207cm	Active Pro Skin	Active Classic	Active Pro Skate	Panorama M55
Redline 3.0 Classic Cold	Active Skin	Active MGV	Active Skate	Panorama M62
Redline 3.0 Classic Warm	Nordic Pro Skin	Race Pro Classic Jr	Race Pro Skate JR	Panorama M68
Redline 3.0 IntelliGrip®	Nordic Skin	Active Universal JR	Active Skate JR	Panorama M78
Redline 3.0 Classic JR	Race Pro Skin JR	Racelight MG		
Redline 3.0 Skate JR	Active Skin JR	Snowpup 85		
	Racelight IntelliGrip®			

INTELLIGRIP® TRANSITION (BC)

IntelliGrip® Transition Skin
Item: **N1950513**

Built for the mountains, Madshus IntelliGrip® Transition skin skis feature a recessed insert which anchors the front of the skin in place and allows for easy swapping or trimming of skins to suit all skiers, conditions and skill levels. The use of an insert ensures a smooth transition between gliding surface and skin which is critical for decreasing drag and preventing icing under the ski. IntelliGrip® Transition skin skis maintain all the benefits of traditional skin ski, but with more flexibility. This makes these skis the perfect choice for off-piste adventures!

INTELLIGRIP® SKIN

IntelliGrip® Skin
Item: **N15505100**
Sizes: **180-195cm + 200-210cm**

Provide the legendary all-terrain grip of a Mohair skin with the maximum glide performance needed for classic skiing. For tough waxing conditions or when the weather changes in a flash, these skins are built with the highest quality mohair and paired with smooth polyethylene, the same material used in Madshus top racing bases. IntelliGrip® Skin avoid icing and are quick and easy to apply on the trail. They are removable and packed in the included case.

MADSHUS INTEGRATED SKIN

IntelliGrip® Madshus RED replacement skin
Item: **N1752000**
Color: **Black**

100% Mohair replacement skins for Redline IntelliGrip® skis. The set consists of three pairs of skins.

IntelliGrip® replacement skin
Item: **N1652000**
Color: **Dark blue**

Mohair and Nylon mix replacement skins for IntelliGrip® skis. The set consists of three pairs of skins.

IntelliGrip® replacement skin
Item: **N1552000**
Color: **Black**

Mohair and Nylon mix replacement skins for IntelliGrip® skis. The set consists of three pairs of skins.

MADSHUS SKIN LENGTH AND PLACEMENT

N20007			N21017			N21257			N21297			N21377			N21487			N21147		
REDLINE 3.0 INTELLIGRIP			RACE PRO SKIN			RACE SPEED SKIN			ENDURACE SKIN			ACTIVE PRO SKIN			NORDIC PRO SKIN			RACE PRO SKIN JR		
100% Mohair			100% Mohair			70/30 Mix			70/30 Mix			70/30 Mix			70/30 Mix			70/30 Mix		
182	187	192	182	187	192	182	187	192	182	187	192	182	187	192	177	182	187	147	157	172
360	360	390	360	360	390	360	360	390	390	390	420	420	420	450	420	420	450	300	300	330
		202			202			202			202			202			202			330
		207			207			207			207			207			207			330

N21344			N21447			N21968 / N21967			N21812			N19877		
ACTIVE SKIN			NORDIC SKIN			FJELLTECH SKIN			ACTIVE JR			RACELIGHT		
Mohair mix			Mohair mix			Mohair mix			Mohair mix			Mohair mix		
177	182	187	177	182	187	177	182	187	117	127	137	90	100	110
360	390	420	360	390	420	360	390	420	270	270	300	270	270	300
		197			197			197			300			120
		202			202			202			330			130
		207			207			207			330			140
											330			150
											360			160
											360			170



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