



MADSHUS

WORKBOOK

2023/2024



INNOVATING CROSS COUNTRY SINCE 1906



MADSHUS
BRAND VIDEO





RACE



THE RACE SKIER

The Madshus Redline collection is the result of working with our athletes, engineers and production staff with the goal of delivering the best ski racing experience. Precision core shaping and innovative designs complement the specific materials needed for uncompromised performance.

PERFORMANCE



THE PERFORMANCE SKIER

Madshus carefully considers the end user when designing functional products for every type of skier. The insights and technology used by Department 19 are shaped and tuned for the purpose of providing every skier with the right product for their specific needs. This category offers exceptional value, and the right material combinations to provide every skier with the best possible on-snow experience.

BACKCOUNTRY



THE BACKCOUNTRY SKIER

Whether you are touring local parks, skiing to a winter cabin for a weekend getaway, or carving turns through rolling terrain, the rugged designs of our backcountry products provide the best in comfort, stability, and grip to get you where you want to go.



DEPARTMENT 19

RACING & DEVELOPMENT

Madshus engineers are obsessively detail oriented because our racers compete at a level where every fraction of a gram matters, and where these details can separate the winners from the rest. We are constantly developing the Redline product category, and spare no effort or expense in order to improve. Champions never rest, and they never compromise their pursuit of excellence. Within Madshus' Department 19, we carry this same passion by continually pushing for perfection and maximum performance gains.






DEPT. 19 VIDEO

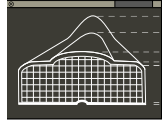




SKI TECHNOLOGY

TECHNOLOGY **KEY FEATURES**

CAD / COMPUTER AIDED 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.

TECHNOLOGY **KEY FEATURES**

PR100X CORE



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

TECHNOLOGY **KEY FEATURES**

FLUOR FREE



Madshus is working hard to minimize our effect on the environment. Skis marked with the «Fluor Free Ski Bases» logo indicate exactly that: A ski which does not use fluorocarbons in the base material.

MADSHUS NFC CHIP



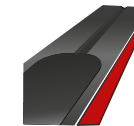
An internal NFC chip embedded in the core provides access to data about each ski's internal properties and measurements.

POLYCELL CORE



A lightweight Polyurethane foam core provides production consistency and excellent damping. Pre-formed to our 3D shape and reinforced with carbon and/or fiberglass to guarantee the maximum performance and ski feel.

INTEGRATED SKIN



The skin is integrated into the base, providing great glide along with strong grip, making classic skiing even easier. The progressive skin profile with 100% Mohair, or our unique mix of Mohair and nylon, ensure optimal grip and glide in all conditions.

TRIAXIAL CONSTRUCTION



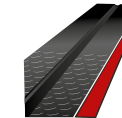
Interlocking strands of fiberglass and carbon fiber surround the entire core, producing excellent torsional rigidity and strength with lightweight and a lively response.

PAULOWNIA CORE



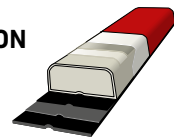
Paulownia is a farm-raised light-weight wood core material with consistent material qualities. The core is surrounded by lightweight carbon and glass reinforcements to add strength and stiffness, optimizing durability and performance.

MULTIGRIP BASE (MG)



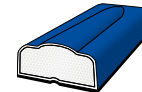
The MG base provides stable and confident bilateral grip without sacrificing ski glide and performance.

TORSION CAP CONSTRUCTION



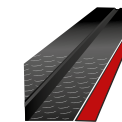
A reinforced core, covered by a cap, creates a very durable and lightweight construction, and provides tremendous versatility in targeting specific camber and flex characteristics.

ASTARA-LITE



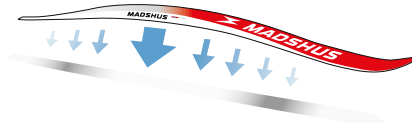
This new core material significantly decreases weight, while providing a modest improvement in strength. Skis produced with this core are noticeably more dynamic and responsive feeling on the snow, making them faster and more fun!

MULTIGRIP VARIO BASE (MGV)



The Multi Grip Vario system is a wax-free grip pattern imprinted into the ski base, and it varies from a less aggressive pattern in the front and rear for improved glide, and a more aggressive pattern in the center for improved grip.

TUNED DYNAMIC RESPONSE



TUNED DYNAMIC RESPONSE

A special layout of carbon combined with a complimentary camber profile improves energy return while optimizing the glide surfaces of the ski as it is loaded and unloaded each and every stride.

LINK TO: [TUNED DYNAMIC RESPONSE - CLASSIC ANIMATION](#)

LINK TO: [TUNED DYNAMIC RESPONSE - SKATE ANIMATION](#)

LINK TO: [FORCE MULTIPLY CAMBER ANIMATION](#)















REDLINE SKATE





RACE / SKATE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	CAMBER	EMPOWER
 #1			N22 010	182, 187, 192	7 Click	41-44-44	950 gr/ 187 cm	Triaxial carbon	PR 100X	P 340 Green	LTD	Empower sticker
REDLINE SKATE LTD	Tuned Dynamic Response: Designed for phenomenal energy return and optimized glide. Carbon + Laminate Construction: Designed with a pressure zone equalizer for excellent performance in wet snow. P340 Fluorocarbon Free Green Nano Base: Designed for exceptional speed in wet snow.											
 #1			N22 008	172, 177, 182, 187 192	7 Click	41-44-44	950 gr/ 187 cm	Triaxial carbon	PR 100X	P 300 Nano	F2	Empower sticker
REDLINE SKATE F2	Tuned Dynamic Response: Designed for phenomenal energy return and optimized glide. Hard Packed Snow Construction: Designed to ensure top end speed in medium to firm, fast snow. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.											
 #1			N22 009	172, 177, 182, 187 192	7 Click	41-44-44	950 gr/ 187cm	Triaxial Carbon	PR 100X	P 300 Nano	F3	Empower sticker
REDLINE SKATE F3	Tuned Dynamic Response: Designed for phenomenal energy return and optimized glide. Soft Snow Construction: Designed to ensure fast acceleration in softer snow conditions. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.											
 #1			N22 049	142, 147, 152, 157, 162, 167, 172	> 162 = 7 Click. < 157 = JR plate	41-44-44	775 gr/ 157 cm	Triaxial carbon	PR90	P 300 Nano	JR skate	Empower sticker
REDLINE SKATE JR	Tuned Dynamic Response: Designed for phenomenal energy return and optimized glide. Hard Packed Snow Construction: Designed to ensure top end speed in firm and fast snow. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.											

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DOWNLOAD [REDLINE SKATE F3](#) MATERIAL

DOWNLOAD [REDLINE SKATE F2](#) MATERIAL

DOWNLOAD [REDLINE SKATE JR](#) MATERIAL



REDLINE CLASSIC





RACE / CLASSIC

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	CAMBER	EMPOWER	
#1		Dynamic Klistler Camber: A high camber that provides carrying capacity for klistler. Low Angle Pressure Zones: Designed for optimal glide in soft and wet snow. P340 Fluorocarbon Free Green Nano Base: Designed for exceptional speed in wet snow.	<div style="display: flex; justify-content: space-around;"> STRIDE STABILITY CONTROL LIGHTNESS DOUBLE POLE DYNAMIC RESPONSE ENERGY RETURN </div>	N22 001	192, 197, 202, 207	Move	43-44-44	900 gr/ 187 cm	Triaxial carbon	PR 100X	P340 Green	LTD	Empower sticker
#1		Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. Medium - Long Pressure Zones: Designed for optimal glide in cold and dry snow. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.	<div style="display: flex; justify-content: space-around;"> STRIDE STABILITY CONTROL LIGHTNESS DOUBLE POLE DYNAMIC RESPONSE ENERGY RETURN </div>	N22 002	182, 187, 192, 197, 202, 207	Move	43-44-44	900 gr/ 187 cm	Triaxial carbon	PR 100X	P 300 Nano	Cold	Empower sticker
#1		Universal Camber Construction: Designed for optimal glide across various snow conditions. Medium - Short Pressure Zones: Designed for optimal glide across various snow conditions. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.	<div style="display: flex; justify-content: space-around;"> STRIDE STABILITY CONTROL LIGHTNESS DOUBLE POLE DYNAMIC RESPONSE ENERGY RETURN </div>	N22 003	182, 187, 192, 197, 202, 207	Move	43-44-44	900 gr/ 187 cm	Triaxial carbon plus	PR 100X	P 300 Nano	Warm	Empower sticker
#1		Designed For Young Skiers: Developed and streamlined to fit the movement patterns of young skiers. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.	<div style="display: flex; justify-content: space-around;"> STRIDE STABILITY CONTROL LIGHTNESS DOUBLE POLE DYNAMIC RESPONSE ENERGY RETURN </div>	N22 042	147, 157, 167, 172, 177, 182, 187	> 162 = 7 Click. < 157 = JR plate	44-42-44	775 gr/ 157 cm	Triaxial Carbon	PR90	P 300 Nano	Cold	Empower sticker

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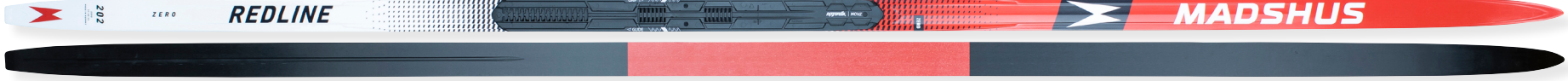


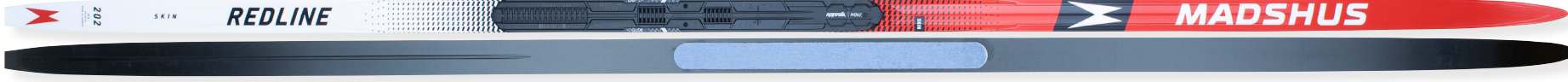

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DOWNLOAD [REDLINE CLASSIC COLD](#) MATERIAL

DOWNLOAD [REDLINE CLASSIC JR](#) MATERIAL



RACE / ZERO / SKIN

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	CAMBER	EMPOWER
 #1			N22 006	192, 197, 202, 207	Move	43-44-44	900 gr/ 187 cm	Triaxial carbon	PR 100X	P300 Nano	Cold	Empower sticker
REDLINE ZERO	Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. Inserted Rubber Base: Designed for powerful grip and excellent speed in tricky snow conditions found around 0 c degrees. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.											
 #1			N22 007	182, 187, 192, 197, 202, 207	Move	43-44-44	950 gr/ 187 cm	Triaxial carbon	PR 100X	P300 Nano + 100% mohair	Cold	Empower sticker
REDLINE SKIN	100% Mohair Integrated Skin: Consistent grip and glide in all conditions. Short Progressive Skin Milling Profile: Designed to provide the ski feeling of a perfectly waxed classic race ski. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.											

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DOWNLOAD [REDLINE SKIN](#) MATERIAL



SKATE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER	
 #1 	Racing Technology Trickling Down: Construction based on the DNA of our world-class Redline skis. Slight Side Cut: Designed to provide a stable platform to generate power and aid in easy handling. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.	STABILITY CONTROL:  GLIDE:  LIGHTNESS:  DYNAMIC RESPONSE ENERGY RETURN: 	N21 119	172, 177, 182, 187 192	7 Click	44-43-44	993 gr/ 187 cm	Triaxial carbon	PR 100X	P300 Nano	Empower sticker	
 #1 	Racing Technology Trickling Down: Construction based on the DNA of our world-class Redline skis. Slight Side Cut: Designed to provide a stable platform to generate power and aid in easy handling. P200 Nano Base: A Fluor free racing base.	STABILITY CONTROL:  GLIDE:  LIGHTNESS:  DYNAMIC RESPONSE ENERGY RETURN: 	N21 254	172, 177, 182, 187 192	7 Click	44-43-44	1040 gr/ 187 cm	Triaxial carbon	Polycell	P200 Nano universal	Empower sticker	
 #1 	AstaraLite: A lightweight core construction. Slight Side Cut: Designed to provide a stable stride with easy handling. P200 Nano Base: A Fluor free race base.	STABILITY CONTROL:  GLIDE:  LIGHTNESS:  DYNAMIC RESPONSE ENERGY RETURN: 	N23 294	172, 177, 182, 187 192	7 Click	44-43-44	1094 gr/ 187 cm	Torsion cap	Astara- Lite	P200 Nano universal	Empower sticker	
 #1 	Distinct Side Cut: Designed for stability and control. P170 Nano Base: A Fluor free race quality base for universal snow conditions.	STABILITY CONTROL:  GLIDE:  LIGHTNESS:  DYNAMIC RESPONSE ENERGY RETURN: 	N23 373	172, 177, 182, 187 192	7 Click	44-40-44	1148 gr/ 187 cm	Torsion cap	Polycell	P170 Nano universal	Empower sticker	

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DOWNLOAD [ENDURACE SKATE](#) MATERIAL

DOWNLOAD [RACE SPEED SKATE](#) MATERIAL

DOWNLOAD [ACTIVE PRO SKATE](#) MATERIAL



SKATE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
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ACTIVE SKATE

Distinct Side Cut: Designed to provide a stable stride with easy handling.
P-Tex 2000 Electra: A Fluor free race quality base for universal snow conditions.



N21 343	167, 172, 177, 182, 187, 192	7 Click	44-40-44	1150 gr/ 187 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra	No
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RACE PRO SKATE JR

Designed For Young Skiers: Developed and streamlined to fit the movement patterns of young skiers.
Slight Side Cut: Designed to provide stability while building skills and easier control and manoeuvrability.
P190 Nano Universal Base: A Fluor free race base.



N21 149	142, 147, 152, 157, 162, 167	> 162 = 7 Click. < 157 = JR plate	44-43-44	789 gr/ 157 cm	Torsion cap	Polycell	P190 Nano Universal	Empower sticker
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ACTIVE SKATE JR

Slight Side Cut: Designed to provide a stable stride with easy handling.
Designed For Young Skiers: Developed and streamlined to fit the movement patterns of young skiers.
P-Tex 2000 Ski Base: A sintered base for good glide in universal conditions.



N21 814	117, 127, 137, 147, 157	JR plate	44-42-43	875 gr/ 157 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra	No
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DOWNLOAD [ACTIVE SKATE JR](#) MATERIAL

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SKATE / PACKAGE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER	
 #1 	Active Pro Skate Ski mounted with Rottefella Performance Skate Binding	STABILITY CONTROL  GLIDE  LIGHTNESS  DYNAMIC RESPONSE ENERGY RETURN 	N22 0302201	172, 177, 182, 187 192	7 Click	44-40-44	1148 gr / 187c m	Torsion cap	Polycell	P170 Nano universal	Empower sticker	
 #1 	Active Skate Ski mounted with Rottefella Performance Skate Binding	STABILITY CONTROL  GLIDE  LIGHTNESS  DYNAMIC RESPONSE ENERGY RETURN 	N21 0303201	167, 172, 177, 182, 187, 192	7 Click	44-40-44	1148 gr / 187 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra	No	

DOWNLOAD [ACTIVE PRO SKATE PACKAGE](#) MATERIAL

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CLASSIC

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
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RACE PRO CLASSIC	<p>Racing Technology Tricking Down: Construction based on the DNA of our world-class Redline skis. Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.</p>	STRIDE	STABILITY CONTROL	LIGHTNESS	DOUBLE POLE	DYNAMIC RESPONSE ENERGY RETURN	N21 102	182, 187, 192, 197, 202, 207	Move	43-44-44	993 gr/ 187 cm	Triaxial carbon	PR 100X	P 300 Nano	Empower sticker



RACE SPEED CLASSIC	<p>Racing Technology Tricking Down: Construction based on the DNA of our world-class Redline skis. Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. P200 Nano Base: A Fluor free racing base.</p>	STRIDE	STABILITY CONTROL	LIGHTNESS	DOUBLE POLE	DYNAMIC RESPONSE ENERGY RETURN	N21 252	182, 187, 192, 197, 202, 207	Move	43-44-44	1048 gr/ 1187 cm	Triaxial carbon	PR 90	P 200 Nano universal	Empower sticker



ENDURANCE CLASSIC	<p>Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. AstaraLite: A lightweight core construction. P200 Nano Base: A Fluor free race base.</p>	STRIDE	STABILITY CONTROL	LIGHTNESS	DOUBLE POLE	DYNAMIC RESPONSE ENERGY RETURN	N23 292	182, 187, 192, 197, 202, 207	Move	43-44-44	1094 gr/ 187 cm	Torsion cap	Astara-lite	P 200 Nano universal	Empower sticker



ACTIVE CLASSIC	<p>Slight Side Cut: Designed to provide a stable stride with easy handling. P-tex 2000 Electra: A Fluor free race quality base for universal snow conditions.</p>	STRIDE	STABILITY CONTROL	LIGHTNESS	DOUBLE POLE	DYNAMIC RESPONSE ENERGY RETURN	N21 342	177, 182, 187, 192, 197, 202, 207	Move	44-42-43	1150 gr/ 187 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra	No

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DOWNLOAD [RACE SPEED CLASSIC](#) MATERIAL



CLASSIC

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
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#1



ACTIVE MGV

MultiGrip Vario: A gripwax-free MultiGrip Vario pattern in the kick zone.
Slight Side Cut: Designed to provide a stable stride with easy handling.
P-Tex 2000 Electra: A Fluor free race quality base for universal snow conditions.

N21
348177, 182,
187, 192,
197, 202,
207

Move

44-42-43

1150 gr/
187 cmTorsion
capPaulownia
carbon
hybridP-Tex
2000
Electra
w/MGV

No



#1



RACE PRO CLASSIC JR

Universal Camber: Designed to excel from gripwax to klister conditions.
Designed For Young Skiers: Developed and streamlined to fit the movement patterns of young skiers. **P300 Nano Race Base:** A Fluor free race base.

N21
142147, 157,
167, 172,
177> 167 =
7 Click.
< 157 =
JR plate

44-42-44

789 gr/
157 cmTorsion
cap

Polycell








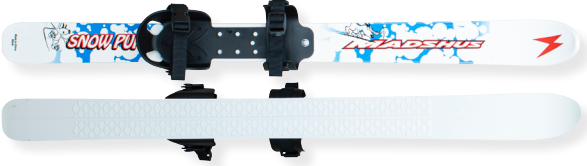
P300
Nano
universalEmpower
sticker

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CLASSIC

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
 #1 	ACTIVE UNIVERSAL JR Universal Construction: Designed for both skate and classic skiing. Slight Side Cut: Designed to provide a stable stride with easy handling. P-Tex 2000 Ski Base: A sintered base for fast glide in universal conditions.		N21 813	117, 127, 137, 147, 157, 167	> 162 = 7 Click. < 157 = JR plate	44-42-43	875 gr/ 157 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra	No
 #1 	RACELIGHT MG MultiGrip: A gripwax-free MultiGrip pattern in the kick zone.		N22 879	87, 97, 107, 117, 127, 137, 147, 157, 167	NEMO_SCR	48-48-48	825 gr/ 127 cm	Torsion cap	Multicore (wood)	Polytex MG No-wax	No
 #1 	SNOW-PUP 85 A wide and stable construction and a unique No-wax base for easy snow exploration. A universal step-in binding platform: Provides season-to-season versatility that keeps up with growing feet and allows the use of regular winter foot-wear with the ski.		N11 881	85	Step-in binding	65-55-60	825 gr/ 85 cm		ABS	No-wax	No



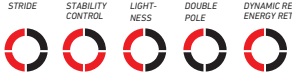



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CLASSIC / PACKAGE



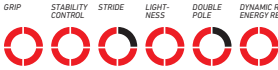











MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
 #1 ACTIVE MGV	 Active MGV Ski mounted with Rottefella binding		N21 3030601	117, 127, 137, 147, 157, 167	> 162 = 7 Click. < 157 = JR plate	44-42-43	875 gr/ 157 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra with MGV	No
 #1 RACE-LIGHT MG	 Racelight MG Ski mounted with binding		N22 0301601	87, 97, 107, 117, 127, 137, 147, 157, 167	NEMO_SCR	48-48-48	825 gr/ 127 cm	Torsion cap	Multicore (wood)	Polytex MG	No

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DOWNLOAD [ACTIVE MGV PACKAGE](#) MATERIAL



SKIN

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER	
 #1												
RACE PRO SKIN	100% Mohair Integrated Skin: Consistent grip and glide in all conditions. Short Progressive Skin Milling Profile: Designed to provide the ski feeling of a perfectly gripwaxed ski. P300 Fluorocarbon Free Nano Base: The pinnacle of base material.		N21 107	182, 187, 192, 197, 202, 207	Move	43-44-44	993 gr/ 187 cm	Triaxial carbon	PR 100X	P300 Nano + 100% Mohair	Empower sticker	
 #1												
RACE SPEED SKIN	Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. Medium length Skin Milling Profile: Designed to secure powerful grip. P200 Nano Base: A Fluor free racing base.		N21 257	182, 187, 192, 197, 202, 207	Move	43-44-44	1048 gr/ 118 cm	Triaxial carbon	PR90	P200 Nano Universal + Mohair/ mix	Empower sticker	
 #1												
ENDURACE SKIN	Medium Length Skin Milling Profile: Designed to ensure powerful grip and great glide by mimicking the way you normally gripwax a ski. Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. P200 Nano Race Base: A Fluor free race base.		N23 297	182, 187, 192, 197, 202, 207	Move	43-44-44	1094 gr/ 187 cm	Torsion cap	Astara- Lite	P200 Nano Universal + Mohair/ mix	Empower sticker	
 #1												
ACTIVE PRO SKIN	Long Skin Milling Profile: Designed to ensure powerful grip and great glide by mimicking the way you normally gripwax a ski. P170 Nano Base: A Fluor free race quality base for universal snow conditions.		N23 377	182, 187, 192, 197, 202, 207	Move	43-44-44	1148 gr/ 187 cm	Torsion cap	Polycell	P 170 Nano Universal + Mohair/ mix	Empower sticker	

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[DOWNLOAD RACE SPEED SKIN MATERIAL](#)
[DOWNLOAD ACTIVE PRO SKIN MATERIAL](#)



SKIN

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
 #1											
ACTIVE SKIN	Integrated Skin: Designed to provide reliable grip across a variety of snow conditions. Slight Side Cut: Designed to provide a stable stride with easy handling. P-Tex 2000 Ski Base: A sintered base for good glide in universal conditions.		N21 344	182, 187, 192, 197, 202, 207	Move	44-42-43	1150 gr/ 187 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra + Mohair/ mix	No
 #1											
NORDIC PRO SKIN	Force Multiply Core Construction: Designed for powerful grip and an optimized snow feel. Progressive Skin Milling Profile: Designed to ensure powerful grip and great glide by mimicking the way you normally gripwax a ski. Distinct Side Cut: Designed for stability and control. P170 Nano Base: A fluorocarbon free race quality base for universal snow conditions.		N23 487	177, 182, 187, 192, 197, 202, 207	Move	47-44-46	1175 gr/ 187 cm	Torsion cap	Polycell	P 170 Nano Universal + Mohair/ mix	Empower sticker
 #1											
NORDIC SKIN	Progressive Skin Milling Profile: Designed to ensure powerful grip and great glide by mimicking the way you normally gripwax a ski. Distinct Side Cut: Designed for stability and control.		N21 447	177, 182, 187, 192, 197, 202, 207	Move	48-44-46	1220 gr/ 187 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra + Mohair/mix	No
 #1											
RACE PRO SKIN JR	Integrated Skin: Designed to provide reliable grip across a variety of snow conditions. Progressive Skin Milling Profile: Designed to ensure powerful grip and great glide by mimicking the way you normally gripwax a ski. P300 Nano Race Base: A fluorocarbon free race base.		N21 147	147, 157, 167, 172, 177	> 162 = 7 Click. < 157 = JR plate	44-42-44	789 gr/ 157 cm	Torsion cap	Polycell	P300 Nano universal + Mohair/ mix	Empower sticker

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DOWNLOAD [NORDIC SKIN](#) MATERIAL

DOWNLOAD [NORDIC PRO SKIN](#) MATERIAL

DOWNLOAD [RACE PRO SKIN JR](#) MATERIAL

NEW



SKIN

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
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ACTIVE SKIN JR

Integrated Skin: Designed to provide reliable grip across a variety of snow conditions. **Designed For Young Skiers:** Developed and streamlined to fit the movement patterns of young skiers. **P-Tex 2000 Ski Base:** A sintered base for fast glide in universal conditions.



N21 812	117, 127, 137, 147, 157, 167	> 162 = 7 Click. < 157 = JR plate	44-42-43	875 gr / 157 cm	Torsion cap	Paulownia carbon hybrid	P-Tex 2000 Electra + Mohair / mix	No
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RACE-LIGHT SKIN

Integrated Skin: Designed to provide reliable grip across a variety of snow conditions.



N22 877	90, 100, 110, 120, 130, 140, 150, 160, 170	NEMO SCR	48-48-48	825 gr / 127 cm	Torsion cap	Multicore (wood)	Polytex + Mohair / mix	No
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DOWNLOAD [ACTIVE SKIN JR](#) MATERIAL

DOWNLOAD [RACELIGHT SKIN](#) MATERIAL



SKIN / PACKAGE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER
#1											
ENDURACE SKIN	Endurace Skin ski mounted with Rottefella Move binding.	GRIP: STABILITY CONTROL: STRIDE: LIGHT-NESS: DOUBLE POLE: DYNAMIC RESPONSE ENERGY RETURN:	N23 0301601	182, 187, 192, 197, 202, 207	Move	43-44-44	1094 gr/ 187 cm	Torsion cap	Astara-Lite	P190 Nano Universal + Mohair/ mix	Empower sticker
#1											
ACTIVE PRO SKIN	Active Pro Skin ski mounted with Rottefella Performance Classic binding.	GRIP: STABILITY CONTROL: STRIDE: LIGHT-NESS: DOUBLE POLE: DYNAMIC RESPONSE ENERGY RETURN:	N23 0301801	182, 187, 192, 197, 202, 207	Move	43-44-44	1148 gr/ 187 cm	Torsion cap	Polycell	P170 Nano Universal + Mohair/ mix	Empower sticker
#1											
ACTIVE SKIN	Active Skin ski mounted with Rottefella Touring Automatic binding.	GRIP: STABILITY CONTROL: STRIDE: LIGHT-NESS: DOUBLE POLE: DYNAMIC RESPONSE ENERGY RETURN:	N21 0303601	182, 187, 192, 197, 202, 207	Move	44-42-43	1150 gr/ 187 cm	Torsion cap	Paulownia Carbon Hybrid	P-Tex 2000 Electra / IGS in the mid-section	No
#1											
NORDIC PRO SKIN	Nordic Pro Skin ski mounted with Rottefella Move binding.	GRIP: STABILITY CONTROL: STRIDE: LIGHT-NESS: DOUBLE POLE: DYNAMIC RESPONSE ENERGY RETURN:	N23 0301701	177, 187, 192, 202, 207	Move	47-44-46	1175 gr/ 187 cm	Torsion cap	Polycell	P170 Nano Universal + Mohair/ mix	Empower sticker

DOWNLOAD [ENDURACE SKIN PACKAGE MATERIAL](#)














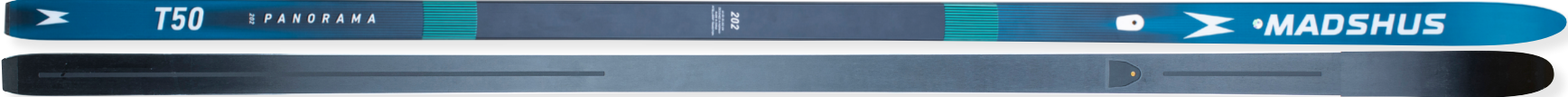





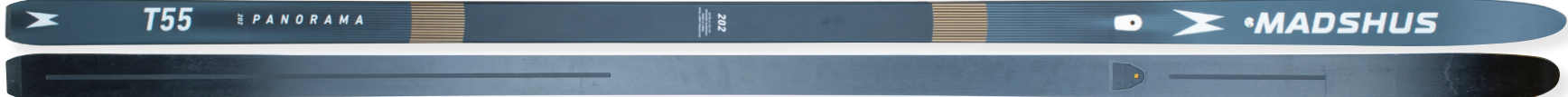




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DOWNLOAD [ACTIVE PRO SKIN PACKAGE MATERIAL](#)

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EXPLORE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER	
 #1		Steel edge: 3/4 length steel edge for added control and stability in icy conditions. Integrated Skin: Designed to provide reliable grip across a variety of snow conditions. Rottefella MOVE™ binding plate: For adjustable grip and glide.	GRIP  STABILITY/ CONTROLL  STRIDE  LIGHT- NESS 	N21 968	177, 187, 192, 202	Move	54-44-49	1760 gr/ 187 cm	Triaxial cap	Paulownia carbon hybrid	P-Tex 2000 Electra + Mohair/mix	No
 #1		Steel edge: Full length of steel edge for Maximal control and stability. Integrated Skin: 3/4 length steel edge for added control and stability in icy conditions. Rottefella MOVE™ binding plate: For adjustable grip and glide.	GRIP  STABILITY/ CONTROLL  STRIDE  LIGHT- NESS 	N21 967	157, 167, 177, 187, 192, 202	Move	60-50-55	1780 gr/ 187 cm	Triaxial cap	Paulownia carbon hybrid	P-Tex 2000 Electra + Mohair/mix	No
 #1		Intelligrip Transition Skin: A removable skin ensures grip in a wide range of conditions. Can also be used with traditional gripwax. Steel Edge: 3/4 length steel edge for added control and stability in icy conditions. Paulownia Ski Core: A lightweight ski core.	GRIP  STABILITY/ CONTROLL  STRIDE  LIGHT- NESS 	N22 966	177, 187, 192, 202	Flat	60-50-55	1380 gr/ 192 cm	Triaxial cap	Paulownia carbon hybrid	P-Tex 2000 Electra + skin pocket	No
 #1		Intelligrip Skin Transition: A removable skin that ensures a wide range of use. Full Length Steel Edge: Designed for maximum control and stability. Paulownia Ski Core: A lightweight ski core.	GRIP  STABILITY/ CONTROLL  STRIDE  LIGHT- NESS 	N22 940	177, 187, 192, 202	Flat	68-55-62	1490 gr/ 192 cm	Triaxial cap	Paulownia carbon hybrid	P-Tex 2000 Electra + skin pocket	No

DOWNLOAD [FJELLTECH M44 SKIN](#) MATERIALDOWNLOAD [PANORAMA T50 INTELLIGRIP TRANSITION](#) MATERIALDOWNLOAD [FJELLTECH M50 SKIN](#) MATERIALDOWNLOAD [PANORAMA T55 INTELLIGRIP TRANSITION](#) MATERIAL



EXPLORE

MODEL	KEY FEATURES	CHARACTERISTICS	ITEM	LENGTH	BINDING PLATE	SIDECUT	WEIGHT	CONSTR.	CORE	BASE	EMPOWER	
 #1												
PANORAMA M 62	MGV Omnigrip Waxless Base: Designed to provide efficient skiing over rolling terrain. Sidcut of 83-62-70: Designed for efficient and versatile off trail skiing. Paulownia: A lightweight ski core.	   	N21 871	162, 172, 182, 192, 202	Flat	83-62-70	1890 gr/ 192 cm	Triaxial cap	Paulownia core	MGV Omnigrip	No	
 #1												
PANORAMA SF 62	Steel Edge Free: Let your dog safely join you on your next ski across rolling ungroomed terrain. MGV Omnigrip Waxless Base: Designed to provide efficient and versatile skiing over rolling terrain. Paulownia: A lightweight ski core.	   	N23 872	172, 182, 192, 202	Flat	83-62-70	1690 gr/ 192 cm	Triaxial cap	Paulownia core	MGV Omnigrip	No	
 #1												
PANORAMA M 68	MGV Omnigrip Waxless Base: Designed to provide efficient skiing over rolling terrain. Sidcut of 99-68-84: Designed for liveliness and downhill control. Paulownia: A lightweight ski core.	   	N21 870	162, 172, 182, 192	Flat	99-68-84	2530 gr/ 182 cm	Triaxial cap	Paulownia core	MGV Omnigrip	No	
 #1												
PANORAMA M 78	MGV Omnigrip Waxless Base: Designed to provide efficient skiing over rolling terrain. Sidcut of 109-78-95: Designed to provide a tight turning radius. Paulownia: A lightweight ski core.	   	N21 869	162, 172, 182, 192	Flat	109-78-95	2530 gr/ 182 cm	Triaxial cap	Paulownia core	MGV Omnigrip	No	

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[DOWNLOAD PANORAMA M68 MATERIAL](#)
[DOWNLOAD PANORAMA SF62 MATERIAL](#)
[DOWNLOAD PANORAMA M78 MATERIAL](#)



BOOTS





BOOT TECHNOLOGY

TECHNOLOGY **KEY FEATURES**

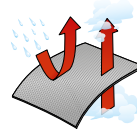
REDLINE LAST



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

TECHNOLOGY **KEY FEATURES**

SOFTSHELL



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

TECHNOLOGY **KEY FEATURES**

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 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 power transmission.

RACE WRAP™



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

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.

FRONT FOOT FLEX



Engineered for long, powerful classic striding, Madshus classic boots easily and comfortably bend forward from the ball of the foot, to improve ski sensitivity.

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.

MADSHUS OUTSOLES



Be able to get closer to the ski for a better feeling, added control and stability. The outsole is designed to perfectly fit with the upper portion of the lasted boot. Two color dual injection utilizing two different materials for better fit and function. Less temperature sensitive materials to help keep the flex of the sole more consistent and natural. A complete bonding surface, between the upper and outsole.

INTEGRATED COMPOSITE BASE



Integrated composite base connects the cuff to the binding with a single contoured part to increase power transfer, edge control, stability and acceleration.

REVO WRAP™



The 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.

REDLINE CARBON CUFF











































For superior power transfer and stability. Complete cuff with hardware.

Carbon Composite Cuff, complete Black - S: 37-41.5
Carbon Composite Cuff, complete Black - M: 42-45
Carbon Composite Cuff, complete Black - L: 46-48



RACE / BOOTS

MODEL	KEY FEATURES	ITEM	SIZES	CUFF	INNERBOOT	WEIGHT	SPRING	HEEL COUNTER	LACE COVER	OUTSOLE
REDLINE SKATE  #1 #2	Integrated Carbon Base: Provides maximum stability, power, and control. Redline Carbon Cuff: A removable cuff which increases stability around the heel. Madshus Race Wrap Innerboot: Designed for a snug fit and control.	N21 0400101	37-48, ½ sizes 38,5-44,5	Redline carbon cuff	Race Wrap	445 gr/ size 42	Race spring	Integrated carbon base: Redline skate	Redline Softshell Membrain, no fleece	Madshus elite outsole
										
REDLINE SKIATHLON  #1 #2	Integrated Carbon Base: Provides maximum stability, power, and control. Redline Carbon Cuff: A removable cuff which increases stability around the heel. Madshus Race Wrap Innerboot: Designed for a snug fit and control.	N21 0400201	37-48	Redline carbon cuff	Race Wrap	445 gr/ size 42	Race spring	Integrated carbon base: Redline pursuit	Redline Softshell Membrain, no fleece	Rottefella F1
										
REDLINE CLASSIC  #1 #2	Integrated Carbon Base: Provides maximum stability, power, and control. Weight: One of the lightest ski boots in the world at a mere 325g grams per pair. Madshus Race Wrap Innerboot: Designed for a snug fit and control. Front Foot Flex: Engineered for long, powerful classic striding.	N21 0400401	37-48, ½ sizes 38,5-44,5	NA	Race Wrap	325 gr/ size 42	Race spring	Integrated carbon base: classic	Redline Softshell Membrain, no fleece	Rottefella Xcelerator SSR
										
REDLINE JR  #1 #2	High Performance Universal Construction: Built with a forefoot flex optimized for classic striding and an ankle cuff for stable skating. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N21 0401001	36-42	Performance cuff	Race Wrap	460 gr/ size 37	Performance spring	Integrated power base	Softshell with fleece backing	Madshus elite
										

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














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DOWNLOAD [REDLINE SKIATHLON](#) MATERIAL

DOWNLOAD [REDLINE JR](#) MATERIAL



BOOTS / SKATE

MODEL	KEY FEATURES	ITEM	SIZES	CUFF	INNERBOOT	WEIGHT	SPRING	HEEL COUNTER	LACE COVER	OUTSOLE
RACE PRO SKATE  #1 #2	Racing Technology Trickleing Down: A construction design based on the DNA of our world-class Redline boots. Performance Cuff: Provides increased stability around the heel. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N22 0400101	37-48	Performance cuff	Race Wrap	490 gr/ size 42	Performance spring	Integrated power base	Sofshell with fleece backing	Madshus elite
										
RACE SPEED SKATE  #1 #2	180 Heel counter: Provides stiffness and stability. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N21 0400501	35-48	Performance cuff	Revo Wrap lacing fingers	575 gr/ size 42	Performance spring	180 Skate heel counter	Sofshell with fleece backing	Madshus performance
										
ENDURACE SKATE  #1 #2	Injected Cuff: Designed for stability and control. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N220400401	35-48	C12 injected cuff	Revo Wrap	585 gr/ size 42	Performance spring	C09 Hyper U heel counter	Sofshell with fleece backing	Madshus performance
										















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BOOTS / UNIVERSAL

MODEL	KEY FEATURES	ITEM	SIZES	CUFF	INNERBOOT	WEIGHT	SPRING	HEEL COUNTER	LACE COVER	OUTSOLE
RACE SPEED UNIVERSAL  #1 #2	Universal Construction: Designed for both skate and classic skiing. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N21 0400601	35-48	Performance cuff	Revo Wrap lacing fingers	575 gr/ size 42	Performance spring	180 Skate heel counter	Sofshell with fleece backing	Madshus performance
										
ENDURACE UNIVERSAL  #1 #2	Universal Construction: Designed for both skate and classic skiing. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N22 0400501	35-48	C12 Injected cuff	Revo Wrap	585 gr/ size 42	Performance spring	C09 Hyper U heel counter	Sofshell with fleece backing	Madshus performance
										
ACTIVE U  #1 #2	Universal Ankle Cuff: Provides an extra level of ankle support for both skate and classic skiing. Softshell Lace Cover: A warm, dry, and breathable lace cover. Innerboot: A stable, relaxed fit that keeps you warm.	N22 0401001	35-48	Low combi cuff	Active Wrap	565 gr/ size 42	Touring spring	NA	Sofshell with fleece backing	T4
										






























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BOOTS / CLASSIC

MODEL	KEY FEATURES	ITEM	SIZES	CUFF	INNERBOOT	WEIGHT	SPRING	HEEL COUNTER	LACE COVER	OUTSOLE
RACE PRO CLASSIC  #1 #2	Racing Technology Tricking Down: A construction design based on the DNA of our world-class Redline boots. Lacing Fingers: Stabilizes the foot which lets it relax and recover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N22 0400201	37-48	NA	Race Wrap	330 gr/ size 42	Performance spring	Classic composite base ISN	Sofshell with fleece backing	Madshus elite
										
RACE SPEED CLASSIC  #1 #2	180 Heel counter: Provides stiffness and stability. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N21 0400701	35-48	NA	Revo Wrap lacing fingers	390 gr/ size 42	Performance spring	180 Classic heel counter	Sofshell with fleece backing	Madshus performance
										
ENDURACE CLASSIC  #1 #2	Torsion Box Tongue: Provides added stability and ensures the correct foot position. Softshell Lace Cover: A warm, dry, and breathable lace cover. Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N22 0400301	35-48	NA	Revo Wrap	380 gr/ size 42	Performance spring	NA	Sofshell with fleece backing	Madshus performance
										
ACTIVE C  #1 #2	High Collar Ankle Support: Provides an extra level of ankle support. Softshell Lace Cover: A warm, dry, and breathable lace cover. Innerboot: A stable, relaxed fit that keeps you warm.	N22 0400901	35-48	NA	Active Wrap	470 gr/ size 42	Touring spring	NA	Sofshell with fleece backing	T4
										

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
















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BOOTS / CLASSIC & JR

MODEL	KEY FEATURES	ITEM	SIZES	CUFF	INNERBOOT	WEIGHT	SPRING	HEEL COUNTER	LACE COVER	OUTSOLE
NORDIC  #1  #2 	Stable Construction: Designed to secure the whole foot. Softshell Lace Cover: A warm, dry, and breathable lace cover. Innerboot: A stable, relaxed fit that keeps you warm.	N22 0401101	35-48	NA	Active Wrap	450 gr/ size 42	Touring spring	NA	Sofshell with fleece backing	T4
										
RACE SPEED JR  #1  #2 	Universal Construction: Designed for both skate and classic skiing. Softshell Lace Cover: A warm, dry, and breathable lace cover Madshus Revo Wrap Innerboot: Designed for optimal fit and control.	N21 0401101	33-42	Performance cuff	Revo Wrap	475 gr/ size 37	Performance spring	180 Skate heel counter	Sofshell with fleece backing	Madshus performance
										
RACELINE JR  #1  #2 	T4 Outsole Jr: Provides stability, control, and warmth that can stand up to rugged snow play. Softshell Lace Cover: A warm, dry, and breathable lace cover. Innerboot: A stable, relaxed fit that keeps you warm.	N22 0401201	25-40	NA	Active Wrap	360 gr/ size 42	Touring spring	NA	Sofshell with fleece backing	T4 jr
										
BUTTERFLY  #1  #2 	T4 Outsole Jr: Provides stability, control, and warmth that can stand up to rugged snow play. Softshell Lace Cover: A warm, dry, and breathable lace cover. Innerboot: A stable, relaxed fit that keeps you warm.	N22 0401301	25-37	NA	Active Wrap	360 gr/ size 42	Touring spring	NA	Sofshell with fleece backing	T4 jr
										

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







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BOOTS / EXPLORE

MODEL	KEY FEATURES	ITEM	SIZES	CUFF	INNERBOOT	WEIGHT	SPRING	HEEL COUNTER	LACE COVER	OUTSOLE
PANORAMA EXPLORER  #1 #2	Rottefella Explore Binding System: Designed to maximize stability, durability, and downhill control. Enhanced Heel Hold: Provides confident ski control on long tours. High Cut Revo Wrap Innerboot: Provides comfort, stability and control.	N22 0400701	36-48	C12 Injected cuff	High cut Revo Wrap	840 gr/ size 42	NA	C09 Hyper U heel counter	Sofshell with fleece backing	Rottefella Explorer
										
PANORAMA MNT  #1 #2	Enhanced Heel Hold: Provides confident ski control on long tours. High Cut Revo Wrap Innerboot: Provides comfort, stability and control.	N22 0400601	36-49	C12 Injected cuff	High cut Revo Wrap	880 gr/ size 42	NA	C09 Hyper U heel counter	Sofshell with fleece backing	Rottefella BC
										
FJELLTECH  #1 #2	Polyamid Heel Counter: Provides stability and control. Softshell Lace Cover: A warm, dry, and breathable lace cover. High Cut Revo Wrap Innerboot: Provides comfort, stability and control.	N22 0400801	35-48	C12 Injected cuff	High cut Revo Wrap	650 gr/ size 42	Performance spring	C09 Hyper U heel counter	Sofshell with fleece backing	Madshus performance black
										

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DOWNLOAD [PANORAMA MNT](#) MATERIAL



POLES



L



POLE TECHNOLOGY

TECHNOLOGY **KEY FEATURES**

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.

TECHNOLOGY **KEY FEATURES**

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 on to 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.

TECHNOLOGY **KEY FEATURES**

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.

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 fiBinding Plateh line faster. The 3D-molded and 3D-heat-moldable shape works with the SuperGrip material to provide superior comfort and hand-hold.

RACE STRAPS



With an even slimmer design, 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.

TBS® BASKET SYSTEM



Change the baskets on your poles quickly and without tools. Dome-shaped baskets easily shed the snow, while an aerodynamic 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.



POLES

MODEL	KEY FEATURES	ITEM	LENGTH	MATERIALS	TIP	BUTT	WEIGHT	HANDLE	WEDGE	BASKET	STRAP	LENGTH	STRAP SIZE
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REDLINE POLE



#1



Truncated Airfoil Shaped shaft: Designed to minimize drag, and built with high modulus carbon to provide an excellent stiffness. **TBS® Basket System:** Designed to allow for changing baskets quickly and without tools. **Race Curve Strap:** Designed to ensure a snug fit for control and power.

N21
09001135–
175/
2,5 cmTruncated
Airfoil
shaped
shaft10mm
TBS®

16mm

54 gr/m

Redline
handle

Integrated

Small
racing
basket
TBS®Race
Curve
strap

135–142,5

S

145–162,5

M

165–175

L

REDLINE POLE KIT



#1



Truncated Airfoil Shaped shaft: Designed to minimize drag, and built with high modulus carbon to provide an excellent stiffness. **TBS® Basket System:** Designed to allow for changing baskets quickly and without tools. **Race Curve Strap:** Designed to ensure a snug fit for control and power.

N21
09006155 /
175Truncated
Airfoil
shaped
shaft10mm
TBS®

16mm

54 gr/m

Redline
handle

Integrated

Small
racing
basket
TBS®Race
Curve
strap

RACE PRO POLE



#1



100% Ultra-High Modulus Carbon Shaft: Designed for the optimal stiffness-to-weight ratio. **TBS® Basket System:** Designed to allow for changing baskets quickly and without tools. **Race Curve Strap:** Designed to ensure a snug fit for control and power.

N20
0900101135–
175/
2,5 cm100% Ultra
high
modulus
carbon10mm
TBS®

16mm

54 gr/m

Race
handle

Integrated

Small
racing
basket
TBS®Race
Curve
strap

135–142,5

S

145–162,5

M

165–175

L

RACE PRO POLE KIT



#1



100% Ultra-High Modulus Carbon Shaft: Designed for the optimal stiffness-to-weight ratio. **TBS® Basket System:** Designed to allow for changing baskets quickly and without tools. **Race Curve Strap:** Designed to ensure a snug fit for control and power.

N20
0900201155 /
175100% Ultra
high
modulus
carbon10mm
TBS®

16mm

54 gr/m

Race
handle

Integrated

Small
racing
basket
TBS®Race
Curve
strap

DOWNLOAD [REDLINE POLE MATERIAL](#)

DOWNLOAD [RACE PRO POLE MATERIAL](#)

DOWNLOAD [REDLINE POLE KIT MATERIAL](#)

DOWNLOAD [RACE PRO POLE KIT MATERIAL](#)

POLES

MODEL	KEY FEATURES	ITEM	LENGTH	MATERIALS	TIP	BUTT	WEIGHT	HANDLE	WEDGE	BASKET	STRAP	LENGTH	STRAP SIZE
RACE SPEED POLE 	<p>70% High-Modulus Carbon Shaft: Designed to deliver lightweight performance, low swing weight, and durability. TBS® Basket System: Designed to allow for changing baskets quickly and without tools. Race Strap: Designed to ensure a snug fit for control and power.</p>	N20 0900301	135–175/ 2,5 cm	100% High Strength Carbon	10mm TBS®	16mm	69 g/m	Race Handle	Integrated	Large Racing basket TBS®	Race Strap		
ENDURACE POLE 	<p>60% Carbon Shaft: Designed for lightweight performance and durability. TBS® Basket System: Designed to allow for changing baskets quickly and without tools. Race Strap: Designed to ensure a snug fit for control and power.</p>	N20 0900401	135–175/ 5 cm	70% Carbon Shaft	10mm TBS®	16mm	82 g/m	Race Handle	Integrated	Large Racing basket TBS®	Race Fit Strap		
ACTIVE PRO POLE 	<p>40% Carbon Shaft: Designed for lightweight performance and durability. 9mm Race Basket: Provides the optimal pendulum in various snow conditions. Contour Race Strap: Designed for comfort and control.</p>	N20 0900501	135–175/ 5 cm	40% Carbon Shaft	9mm	16mm	87 g/m	Cork Race	F16 Wedge - Black	9mm Race (Soft Snow) Basket w/small Tungsten tip	Contour Race Strap Black/Red		
NORDIC POLE 	<p>30% Carbon Shaft: Designed to provide the optimal balance between lightweight performance and durability. 10mm Race Basket: Provides the optimal pendulum in various snow conditions. Biathlon Strap: Designed for control and easy entry and exit.</p>	N20 0900601	120–170/ 5 cm	Composite shaft (fiber- glass with carbon)	10mm	16mm	99 g/m	Cork Race	F16 Wedge - Black	10mm Race Basket w small Tungsten tip	Biathlon Strap		

DOWNLOAD [RACE SPEED POLE](#) MATERIAL


DOWNLOAD [ACTIVE PRO POLE](#) MATERIAL

DOWNLOAD [ENDURACE POLE](#) MATERIAL

DOWNLOAD [NORDIC POLE](#) MATERIAL



POLES

MODEL	KEY FEATURES	ITEM	LENGTH	MATERIALS	TIP	BUTT	WEIGHT	HANDLE	WEDGE	BASKET	STRAP	LENGTH	STRAP SIZE
NORDIC ALU POLE 	 #1 Lightweight Aluminum Shaft: Designed to provide great durability for touring in varied terrain and conditions. Touring Basket: Provides the optimal power in soft and various snow conditions. Nylon webbing Strap: Designed for control and easy entry and exit.	N22 0900101	125–165/ 5 cm	Aluminium	10mm	16mm	NA	Touring handle	Touring wedge	Touring basket	Nylon webbing strap		
RACE PRO JR POLE 	 #1 40% Carbon Shaft: Designed for lightweight performance and durability. TBS® Basket System: Designed to allow for changing baskets quickly and without tools. Contour Jr Strap: Designed for comfort and control.	N20 0900701	100–150/ 5 cm	40% carbon shaft	10mm TBS®	16MM	84 gr/m	Cork race handle natural cork	F16 wedge black	Large basket TBS®	Contour junior strap		
RACELIGHT JR POLE 	 #1 100% Fiberglass Shaft: Designed to provide the optimal balance between performance and durability. 10mm Race Basket: Provides the optimal pendulum in various snow conditions. Biathlon Jr Strap: Designed for control and easy entry and exit.	N20 0900801	70–125/ 5 cm	100% fiberglass	10mm	16MM	94 gr/m	Cork race handle natural cork	F16 wedge black	10mm race basket	Junior biathlon strap		
RACELIGHT ALU JR POLE 	 #1 Lightweight Aluminum Shaft: Designed to provide great durability for touring in varied terrain and conditions. Touring Basket: Provides the optimal power in soft and various snow conditions. Nylon webbing Strap: Designed for control and easy entry and exit.	N22 0900201	70–125/ 5 cm	Aluminium	10mm	16mm	NA	Touring handle	Touring wedge	Touring basket	Nylon webbing strap		

DOWNLOAD [NORDIC ALU POLE](#) MATERIAL

DOWNLOAD [RACE PRO JR POLE](#) MATERIAL

DOWNLOAD [RACELIGHT JR POLE](#) MATERIAL

DOWNLOAD [RACELIGHT ALU JR POLE](#) MATERIAL



POLE PARTS

BASKET KEY FEATURES

RACE BASKET TBS®



N2009010010 Race Basket Small TBS®

N2009011010 Race Basket Large TBS®

HANDLE KEY FEATURES

REDLINE / RACE HANDLE



N2109004010 Redline Handle

N2009009010 Race Handle

STRAP KEY FEATURES

RACE STRAP CURVE



N210900201 Race Strap Curve – S

N210900201 Race Strap Curve – M

N210900201 Race Strap Curve – L

N210900201 Race Strap Curve – XL

RACE BASKET



N07NP20002 9mm Race Basket - Tungsten

N1509005010 10mm UHM Basket - BLACK

N1509006010 10mm Powder Basket - BLACK

N09NP20005 10mm Race Basket w/ small tungsten tip

CORK HANDLE



N1509003010 Cork Race Handle & Wedge

RACE STRAP



N2109007012 Race Strap Black – S

N2109007014 Race Strap Black – M

N2109007016 Race Strap Black – L

N2109007018 Race Strap Black – XL

ROLLER FERRULE



N1609004010 Roller Ferrule: 10mm

N1609003010 Roller Ferrule: 9mm

CONTOUR CHAMPION STRAP



N1709006010 Contour Champion Strap - XS

N1709007010 Contour Champion Strap - S

N1709008010 Contour Champion Strap - M

N1709009010 Contour Champion Strap - L

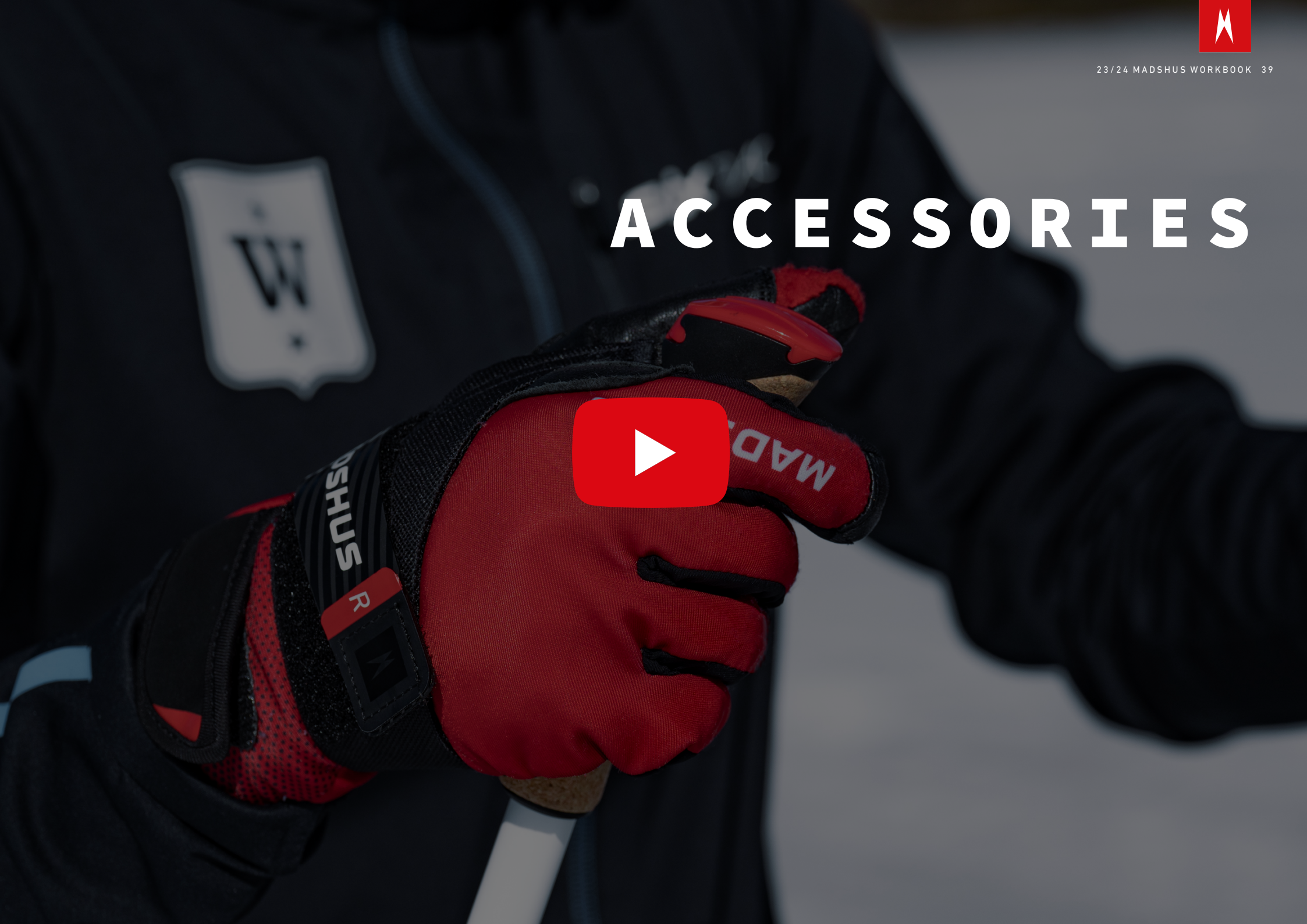
BIATHLON STRAP



NP40009 Biathlon Strap - Contoured



ACCESSORIES





ACCESSORIES

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

SKI BAG 1-2 PAIRS



ITEM:
N2101005

Ski bag for reliable gear protection, holds 2 pairs of skis up to 210cm. External compression straps. 600D*300D polyester. YKK zipper. Size: 213 x 14 x 14 cm.

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

POLE BAG



ITEM:
N2101010

Fully padded pole bag. 600D Polyester Ripstop and YKK zipper. Size: 183x15cm.

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

RACE BACKPACK 12L



ITEM:
N2101012

Light race backpack with pocket for hydration. Hidden rain cover. 210D Polyester Ripstop PU. Size: 27x12x43 cm.

SKI BAG 5-6 PAIRS



ITEM:
N2101006

Ski bag for reliable gear protection, holds 6 pairs of skis up to 210cm. External compression straps. 600D*300D polyester. YKK zipper. Size: 213 x 25 x 22 cm.

POLE BAG HARDCASE



ITEM:
N2101011

600D*300D Polyester with PVC backing 100% Polyester

RACE DAY BACKPACK 40L



ITEM:
N2101013

Versatile and durable backpack with spacious main compartment and large outer pockets. 600D Polyester Ripstop and YKK zippers. Size: 41x17x53cm.

SKI BAG 15 PAIRS



ITEM:
N2101007

Ski bag for reliable gear protection. Holds up to 15 ski pairs. 600D Polyester Ripstop. YKK zipper. Size: 213 x 38 x 29 cm.

RIFLE BAG



ITEM:
N2101008

600D Polyester Ripstop. YKK zipper. Size: 115x12x26,5cm.

RACE DAY BACKPACK 54L



ITEM:
N2101014

Backpack for carrying ski gear, separate pockets for ski boots on both sides. 600D Polyester Ripstop and YKK zippers. Volume: 54L. Size: 36x41x46,5cm.

TESTSKI BAG 6 AND 8 PAIRS



6 PAIR: ITEM:
N2001003

600D Polyester Ripstop YKK zipper.

8 PAIR ITEM:
N2001004

DUFFEL BAG 60L+



ITEM:
N2101015

Durable bag that can be carried as a standard duffel or a backpack with its stow away shoulder straps. 600D polyester Ripstop and YKK zippers.

ROLLER BAG 100L



ITEM:
N2101016

Reliable and durable travel bag with wheels. 600D Polyester Ripstop and YKK zippers. Size: 38,5x32x82cm.



ACCESSORIES

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

DRINK BELT



Offset bottle design for easy access, with a small pocket for keys and other items. 600D Polyester Ripstop and YKK zipper. BPA free.

ITEM:
N2101001

WAIST BELT BAG



Hip pack features a storage pocket with a side bottle holder. 600D Polyester Ripstop and YKK zippers. BPA free.

ITEM:
N2101002

INSULATED DRINK BELT



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.

ITEM:
N2101003

INSULATED DRINK BELT



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.

ITEM:
N2101004

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

SKI STRAP RACING



3mm EVA + Nylon Velcro. Fits up to 48mm width skis. Size: 14x6cm.

ITEM:
N2101041

SKI STRAP TOURING



3mm EVA + Nylon Velcro. Fits touring and kid's skis from 44 to 58mm. Size: 14,5'x7cm.

ITEM:
N2101042

SKI STRAP BC



3mm EVA + Nylon Velcro. Fits BC and kid's skis. Measurements: 29x5cm.

ITEM:
N2101043

BOOT BAG



Durable boot bag for one pair of boot. 600D Polyester Ripstop. YKK zipper. Size: 32x23x23cm.

ITEM:
N2101009

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

BOOTCOVER WARM



Boot cover with windstopper fabric and Thinsulate™ insulation. Size: 36-37, 38-39, 40-41, 42-43, 44-45, 46-47.

ITEM:
N230400701

MADSHUS OVERBOOT



Boot cover with windstopper fabric and thinsulate insulation. Sizes: 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48.

ITEM:
N2004008

AFTER RACE BOOTIES 2.0



Warm, dry and comfortable - perfect to slip into before and after racing or training. Footbed: Intuition foam. Outsole: Rubber. Sizes: Small (5-7), Medium (7-9), Large (10-12)

ITEM:
N220401501

PODIUM BOOTIES



Warm, dry and comfortable winterboots with easy access and Michelin high-friction outsole. Footbed: Intuition foam. Outsole: Michelin. Sizes: Small (5-7 US), Medium (7-9 US), Large (10-12 US).

ITEM:
N220401601



ACCESSORIES

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

RACE BEANIE



Light and comfortable ski hat for racing.
92% polyester, 8% spandex.
Color: Red/Black.
Size: M - L

ITEM:
N2101029

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

ACTIVE BEANIE



Warm ski hat for training and racing on colder days. Fleece lining. 30% wool / 70% acrylic.
Color: Red/Black.
Size: M - L

ITEM:
N2101033

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

ACTIVE VENTED BEANIE



Ventilated ski hat.
30% wool / 70% acrylic.
Color: Black/Blue.
Size: M - L

ITEM:
N2101034

RACE BEANIE



Light and comfortable ski hat for racing.
92% polyester, 8% spandex.
Color: Red/White.
Size: M - L

ITEM:
N2101030

ACTIVE BEANIE



Warm ski hat for training and racing on colder days. Fleece lining. 30% wool / 70% acrylic.
Color: White/Blue/Grey.
Size: M - L

ITEM:
N2101033

ACTIVE VENTED BEANIE



Ventilated ski hat.
30% wool / 70% acrylic.
Color: White/Black.
Size: M - L

ITEM:
N2101034

RACE HEADBAND



Light and comfortable headband.
92% polyester, 8% spandex.
Color: Black.
One size.

ITEM:
N2101032

ACTIVE BEANIE



Warm ski hat for training and racing on colder days. Fleece lining. 30% wool / 70% acrylic.
Color: Red/White/Grey.
Size: M - L

ITEM:
N2101033

M-BEANIE



Double knitted casual ski hat.
30% wool / 70% acrylic.
Color: Black.
One size

ITEM:
N2101035

RACE HEADBAND



Light and comfortable headband.
92% polyester, 8% spandex.
Color: White.
One size

ITEM:
N2101032

ACTIVE VENTED BEANIE



Ventilated ski hat.
30% wool / 70% acrylic.
Color: Black/Red.
Size: M - L

ITEM:
N2101034

M-BEANIE



Double knitted casual ski hat.
30% wool / 70% acrylic.
Color: Grey.
One size

ITEM:
N2101035



ACCESSORIES

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

M-HEADBAND



Double knitted headband with fleece lining.
30% wool / 70% acrylic.
Color: Red.
One size.

ITEM:
N2101036

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

LOGO BEANIE



Warmer ski hat with retro look. Fleece lining.
30% wool, 70% acrylic.
Color: Red.
One size.

ITEM:
N2101038

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

MADSHUS SPEED CAP



Trucker cap with cotton/Nylon Mesh
Color: Red.
One size.

ITEM:
N230100201

M-HEADBAND



Double knitted headband with fleece lining.
30% wool / 70% acrylic.
Color: Black.
One size.

ITEM:
N2101036

STRIPE BEANIE



Warmer casual ski hat with fleece lining.
30% wool, 70% acrylic.
Color: Black/Red.
One size.

ITEM:
N2101039

CAP EST. 1906



Trucker cap with cotton/Nylon Mesh
One size.

ITEM:
N2201002

M-HEADBAND



Double knitted headband with fleece lining.
30% wool / 70% acrylic.
Color: White.
One size.

ITEM:
N2101036

STRIPE BEANIE



Warmer casual ski hat with fleece lining.
30% wool, 70% acrylic.
Color: Black/White.
One size.

ITEM:
N2101039

5 PANEL CAP MADSHUS



5 panel cap 100% Nylon
Color: Red.
One size.

ITEM:
N230100301

LOGO BEANIE



Warmer ski hat with retro look. Fleece lining.
30% wool, 70% acrylic.
Color: Black.
One size.

ITEM:
N2101038

STRIPE BEANIE



Warmer casual ski hat with fleece lining.
30% wool, 70% acrylic.
Color: Red.
One size.

ITEM:
N2101039



ACCESSORIES

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

REDLINE GLOVE



Race fit, windproof and breathable glove with goat leather in palm. Touch screen finger. Color: Red. Size 5-12/XXXS-XXL.

ITEM:
N2101020

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

ACTIVE GLOVE



Comfortable and windproof lobster mitten with Thinsulate™ insulation and reflective details. Color: Black. Size: 5-12/XXXS - XXL.

ITEM:
N2101025

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

REDLINE TUBE



Race tube. 100% Polyester. One size.

ITEM:
N2101040

REDLINE MITT



Race fit, light, windproof and breathable glove. Touch screen fingers. Color: Red. Size: 5-12/XXXS - XXL.

ITEM:
N2101021

ENDURACE SPLIT MITT



Race fit, warm, windproof and breathable glove with Thinsulate™ insulation. Touch screen fingers. Color: Black. Size 5-12/XXXS-XXL.

ITEM:
N2101024

ACTIVE NECK



Double knitted warm neck. 30% wool / 70% acrylic. One size.

ITEM:
N2101037

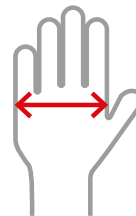
RACE PRO GLOVE



Race fit, warm, windproof and breathable glove with Thinsulate™ insulation. Touch screen fingers. Color: Black. Size 5-12/XXXS-XXL.

ITEM:
N2101022

GLOVE SIZES



SIZES	CM
XXS	5,5 – 6 cm
XS	6 – 7 cm
S	7 – 8 cm
M	8 – 9 cm
L	9 – 10 cm
XL	10 – 11,25 cm
XXL	11,25 – 12 cm

ENDURACE GLOVE



Windproof and warm glove with Thinsulate™ insulation. Touch screen fingers and reflective details. Color: Black. Size: 5-12/XXXS - XXL.

ITEM:
N2101023



MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

REPLACEMENT SKIN RED 32MM 3 PAIR



ITEM:
N1752000

REPLACEMENT SKIN 32MM 3 PAIR



ITEM:
N1652000

REPLACEMENT SKIN MOHAIR 1 PAIR



ITEM:
N230401001

REPLACEMENT MOHAIR/MIX 1 PAIR



ITEM:
N230400901

MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

INTELLIGRIP SKIN 38MM

ITEM: N210102701



INTELLIGRIP SKIN 60MM

ITEM: N210102801



MODEL/ITEM KEY FEATURES / SIZES / MATERIALS

INTELLIGRIP TRANSITION MOHAIR/MIX 45MM WIDE



ITEM:
N1950513

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 insert ensures a smooth transition between gliding surface and skin which is critical for decreasing drag and preventing icing under the ski.



RECOMMENDED LENGTH OF SKINS



Item	N22007						N21017						N21257						N23297						N23377						N23487						N21147					
Model Name	REDLINE SKIN						RACE PRO SKIN						RACE SPEED SKIN						ENDURANCE SKIN						ACTIVE PRO SKIN						NORDIC PRO SKIN						RACE PRO SKIN JR					
BLEND	100% Mohair						100% Mohair						Mohair/mix						Mohair/mix						Mohair/mix						Mohair/mix						Mohair/mix					
SKI / CM LENGTH	182	187	192	197	202	207	182	187	192	197	202	207	182	187	192	197	202	207	182	187	192	197	202	207	182	187	192	197	202	207	177	182	187	192	197	202	207	147	157	167	172	177
SKIN / MM LENGTH	360	360	360	390	390	390	360	360	360	390	390	390	390	390	390	420	420	420	390	390	390	420	420	420	420	420	420	450	450	450	420	420	420	420	450	450	450	300	300	330	330	330

Item	N21344							N21447							N21968 / N21967							N21812						N22877								
Model Name	ACTIVE SKIN							NORDIC SKIN							FJELLTECH SKIN							ACTIVE SKIN JR						RACELIGHT SKIN								
BLEND	Mohair/mix							Mohair/mix							Mohair/mix							Mohair/mix						Mohair/mix								
SKI / CM LENGTH	177	182	187	192	197	202	207	177	182	187	192	197	202	207	177	182	187	192	197	202	207	117	127	137	147	157	167	90	100	110	120	130	140	150	160	170
SKIN / MM LENGTH	360	390	390	420	420	450	450	390	390	390	420	420	450	450	360	390	390	420	420	450	450	270	270	300	300	330	330	270	270	270	300	300	330	330	360	360



RECOMMENDED LENGTH OF SKIS AND POLES

SKIS			POLES	
SKIER HEIGHT	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



BOOT SIZE CONVERSION CHART

EU	MONDO (CM)	US
# 24	15	8
# 25	15.5	8.5
# 25.5	16	9
# 26	16.5	9.5
# 27	17	10
# 28	17.5	11
# 28.5	18	11.5
# 29	18.5	12
# 30	19	12.5
# 31	19.5	13
# 31.5	20	13.5
# 32	20.5	14

EU	MONDO (CM)	US
# 33	21	2
# 34	21.5	2.5
# 34.5	22	3
# 35	22.5	3.5
# 36	23	4
# 37	23.5	5
# 37.5	24	5.5
# 38	24.5	6
# 39	25	6.5
# 40	25.5	7.5
# 40.5	26	8
# 41	26.5	8.5

EU	MONDO (CM)	US
# 42	27	9
# 43	27.5	9.5
# 43.5	28	10
# 44	28.5	11
# 45	29	11.5
# 46	29.5	12
# 46.5	30	12.5
# 47	30.5	13
# 48	31	14
# 49	31.5	14.5
# 49.5	32	15



WEIGHT TABLES REDLINE

REDLINE CLASSIC WARM / COLD

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

REDLINE CLASSIC LTD

		40-50	50-60	60-70	70-80	80-90	
207							
202							
197							
192							

REDLINE SKATE F2 AND F3

	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 SKATE LTD

				50-65	60-75	70-85	
182							
187							
192							

REDLINE SKIN

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

REDLINE ZERO

		40-50	50-60	60-70	70-80	80-90	
207							
202							
197							
192							

REDLINE DOUBLE POLE

				60	70	90	100
197							
207							

REDLINE CLASSIC JUNIOR

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

SKI MEASUREMENT DEFINITIONS

BP = BALANCE POINT

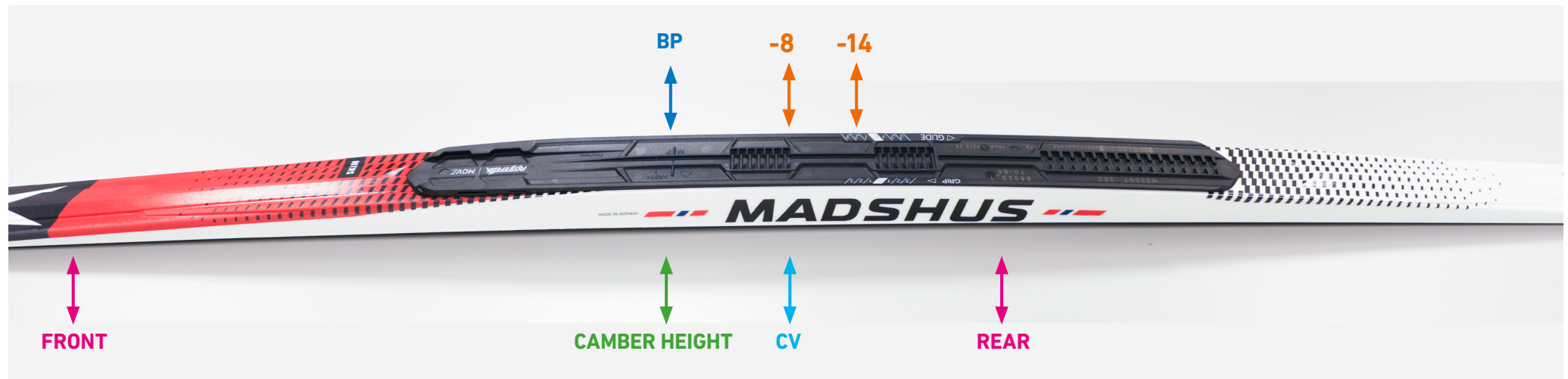
Reference point for camber adjustment. Average of 10 skis. Fixed for each model and length. The balance point is normally the mounting point of the boot to the binding

-8cm: Load point 8cm behind the BP

Skate: Measure the camber curves
Classic: Measure the closing value (CV), typically to ensure full contact during the kick

-14cm: Load point 14cm behind the BP

Skate: Not used
Classic: Measure the wax pocket of the ski and camber height in the balance point



CAMBER HEIGHT AT BP

Camber heights are measured at the balance point of the ski. For skate skis the load is applied at -8cm and for classic and skin skis the load is applied at -14cm. The camber height is the distance from a flat surface up to the ski base, in mm. Camber heights are normally referred to at half body weight (HBW) and full body weight (FBW).

WAX POCKET

The wax pocket is normally measured when applying load at -14cm. The load is 50% of the body weight of the skis. Different gauges/shims can be used to spread out the wax pocket, especially in the front. The rear wax pocket can also be measured using the same procedure as in the front, but normally it should not be necessary to wax longer than the heel of the boot.

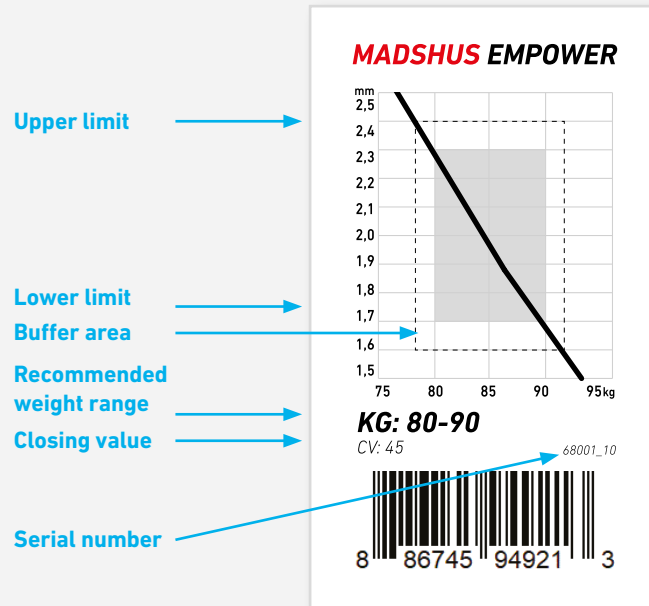
CLOSING VALUE (CV)

Closing value (CV) is the load/weight that is needed to flatten the ski. The load is applied -8cm behind the balance point, and the flattening of the ski is registered directly under the load. The CV recommendations are given in specific tables for the different ski models, but the typical range is 52-70% of the body weight. However, this is only a guideline since the shape of the camber is still more important.

SKI STICKER EXAMPLES

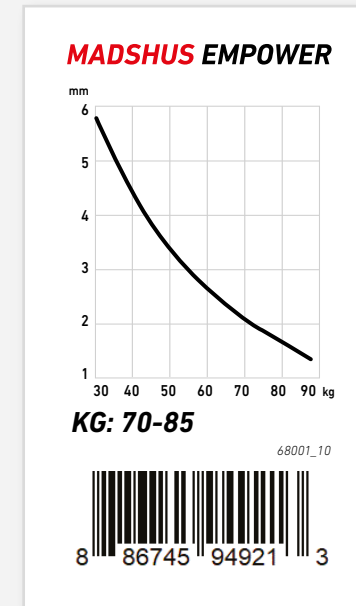
SKIS ARE MEASURED USING THE EMPOWER SYSTEM.

CLASSIC & SKIN



For classic and skin each category has a defined upper and lower limit HBW camber height. These limits correspond to a body weight and define the recommended weight range. The skis will also work outside the weight range so a buffer area is shown to illustrate this. See definition for CV (only for classic/skin).

SKATE



No camber height limits are used to define the weight range. The graph shows the camber height on the vertical axis and the increasing body weight on the horizontal axis. To a certain degree one can also compare the shape of the curves between different pairs. The recommended weight range is the same as the ordered weight range, NOT calculated from any camber heights.



Dealer tools