

RACE

In competitions, boot technicians work to strike the perfect balance between precise transmission of muscular effort and controlled support throughout the turn. Offering progressive flexion at the start of a turn for power and releasing of the ankle for a seamless snow feel, **HERO WORLD CUP SI** boots are tailored as closely as possible to athletes' feet to ensure the best balance of precision and comfort.



SENSOR INSIDE
A patented technology in World Cup boots. The narrow bootboard enables direct contact between the liner and the shell of the boot for superior power, control and sensations.



92 mm INTERNAL LAST
The narrowest internal last for established athletes.

97 mm INTERNAL LAST
The best precision/comfort ratio for experts, but without necessarily being competitive skiers.

92 PLUS INTERNAL LAST
An all-new internal last designed for a wider user base. Based on the 92 mm internal last, the forefoot and ankle areas have been redesigned to offer more space and strike a better balance between precision and comfort.

100 mm INTERNAL LAST
A new medium internal last based on the 97 mm version for wider feet

ALLSPEED



A new generation of high-performance boots rooted in both the world of performance and competition, as well as the highly modern Freeride sector with its emphasis on practicality and ease of use. The result is an extremely high performance range of boots, that is also easy to pull on and featuring a customisable liner option.

SENSOR BLADE

This clearly visible asymmetric structure on the inside and outside reduces thickness while reinforcing the torsional and flexural rigidity of the shell and cuff for superior boot performance. The power axes directed towards the front allow perfect steering of the skis.



INTERNAL LASTS

To ensure maximum performance, shells must be chosen to fit as closely to the foot as possible. This is why the ALLSPEED range offers 3 internal lasts based on the same construction, designed to fit as closely as possible to the foot with perfect anatomical wrap.

98 mm
SENSOR BLADE
98 mm
ALLSPEED ELITE

100 mm
SENSOR BLADE
100 mm
ALLSPEED PRO

102 mm
SENSOR BLADE
102 mm
ALLSPEED

FLEX ADJUSTMENT

The shell/cuff connection gives the wearer the option of adjusting the boot's flex by changing the position of the screws.

● Unisex models: **3 screws**

ALLSPEED	2 SCREWS DOWN	2 SCREWS TOP	1 SCREW TOP
130	130	120	110
120	120	110	100
110	110	100	90

100	100	90	NON RECOMMENDED
90	90	80	NON RECOMMENDED
80	80	70	NON RECOMMENDED

● Women's model: **2 screws**

PURE	2 SCREWS	1 SCREW DOWN	1 SCREW TOP
120	120	110	100
100	100	90	80
90	90	80	75
80	80	70	65
70	70	60	NON RECOMMENDED

OPTISENSOR 3D CUSTOM LINER

Each area of the foot plays its own role and our liners are designed according to the foot's shape.

- SUPPORT ZONE:** more rigid materials at the heel area provide perfect heel support for guaranteed precision. This area cannot be customised on high-end models.
- COMFORT ZONE:** to maximise comfort, the area around the ankle bone is made from flexible materials which can be customised to mould perfectly to the shape of each foot.



LINER CUSTOMISATION

All the liner models in the ALLSPEED and PURE ranges can be customised, with the exception of the T4 version.

● CUSTOMISATION PROCESS:

- Place the liners in an oven for 8 minutes at 80 °C.
- Put the liners inside the shells, making sure there are no creases.
- Step into the boot, tightening the buckles starting from the forefoot.
- Wait 12 minutes for the thermoforming action to take effect, in a standing position at room temperature.

● CUSTOMISATION INDICATOR - PATENT PENDING:

This visible zone around the ankle bones moulds to the shape of the ankle during the customisation process. The material in this area becomes smooth.

DIFFERENT TYPES OF LINER

● CUSTOM OPTISENSOR T1

Dual-material padding: EPDM HARD/FLEXALON or EPDM SOFT/FLEXALON
Customisation applies only in the comfort zones, the support zones remain unchanged.

● CUSTOM OPTISENSOR T2

Mono-material padding: FLEXALON

● CUSTOM OPTISENSOR T3

Mono-material padding: POLYETHYLENE
The FLEXALON and POLYETHYLENE materials ensure high-quality customisation.

3D ANATOMIC FIT - PATENT PENDING



On the ALLSPEED ELITE 130 model, the inside of the liner has a pre-shaped anatomical zone that moulds to the precise shape of the foot to ensure perfect support.

THERMAL INSULATION

This liner has excellent thermal insulation thanks to the use of THINSULATE® and THINSULATE PLATINUM®. According to our laboratory-based thermal imaging studies, these technical fibres developed by 3M provide the best thermal insulation currently available on the market.

THINSULATE® PLATINUM: This very thin fibre is used mainly in clothing thanks to its elasticity which supports freedom of movement. In a liner, it works ideally with the other materials to provide perfect foot support for great skiability.

THINSULATE®: As a very thin fibre, it does not affect the technical properties of our liners, but enables excellent foot envelopment for great skiability.

ROCKER - WTR COMPATIBLE HEELPIECES



The boots in the ALLSPEED and PURE ranges are compatible with WTR Rocker and Touring standard (ISO 9523) heelpieces available separately. These Rocker heelpieces make walking significantly easier, while offering the same level of skiability and safety as alpine heelpieces.

WTR - WALK TO RIDE - is a specific hallmark certified by TÜV (certification and inspection body), which guarantees official compatibility between specific ski bindings, including Rossignol's DUAL models, and specific heelpieces.



ALLTRACK



SENSOR GRID

A clearly visible grid built into the shell both inside and outside:

1. enhances the shell while strengthening its torsional and flexural rigidity, resulting in a shell that weighs 10% less than an equivalent traditional boot for ultimate ski performance.
2. improves foot wrap thanks to the diagonally-structured frame, enabling steering with greater precision.



ALLTRACK PRO 130 WTR

INTERNAL LASTS

Two internal lasts based on the same construction, designed to fit as closely as possible to the foot with perfect anatomical wrap.



100 mm
ALLTRACK PRO



102 mm
ALLTRACK

OPTISENSOR 3D LINER

The OPTISENSOR 3D liner has been designed to combine support, foot wrap and comfort tailored to specific areas.

1. **SUPPORT ZONE:** rigid materials at the heel area to provide perfect support for guaranteed precision.
2. **ENVELOPMENT ZONE:** the position and design of the materials at the instep ensure superior support and excellent control. The laces supplied in the box allow wearers to reinforce the lower leg wrap for even better performance.
3. **COMFORT ZONE:** to ensure supreme comfort around the ankles, this zone comprises a soft material across the entire liner.
4. **MOBILITY ZONE:** on both sides of the liner, an elasticated section lets the liner rock towards the rear in HIKE position for easier climbing.



ROCKER HEELPIECES WALK TO RIDE

WTR



These rubber or PU Rocker heelpieces make walking significantly easier through improved surface grip due to a natural foot roll. Their design also enables a very high level of skiability, with the rigid zones giving the boot added strength under torsion.



WTR - WALK TO RIDE - is a specific hallmark certified by TÜV (certification and inspection body), which guarantees official compatibility between specific ski bindings, including Rossignol's DUAL models, and specific heelpieces.

The ALLTRACK 130 WTR boot is supplied with WTR heelpieces fitted. Heelpieces according to the ISO 5355 ALPINE standard are provided in the box. The other boots in the ALLTRACK range are supplied with heelpieces conforming to the ISO5355 ALPINE standard. WTR and Touring standard (ISO 9523) heelpiece kits are available separately.



THERMAL INSULATION

This liner has excellent thermal insulation thanks to the use of THINSULATE® and THINSULATE PLATINUM®. According to our laboratory-based thermal imaging studies, these technical fibres developed by 3M provide the best thermal insulation currently available on the market.



THINSULATE® PLATINUM: This very thin fibre is used mainly in clothing thanks to its elasticity which supports freedom of movement. In a liner, it works ideally with the other materials to provide perfect foot support for great skiability.



THINSULATE®: As a very thin fibre, it does not affect the technical properties of our liners, but enables excellent foot envelopment for great skiability.

HIKE MODE

A lever at the rear of the cuff lets you easily toggle between the SKI and HIKE positions. When the lever is pulled up, it creates a slight flexion to the front to unlock the cuff.

- **Lever up:** HIKE position
- **Lever down:** SKI position



ALPINE SKIBOOTS WOMEN COLLECTION



All the boots in the Women's range are designed to meet women's essential needs:

- **Respect for their anatomy** and body shape: with cuffs and liners specifically engineered to fit the female body shape.
- **Innovations** that are truly practical in terms of comfort and ease of use: including non-slip soles, Hike position, THINSULATE®, THINSULATE PLATINUM® and MERINO WOOL thermal insulation.
- **The design of the liner is key** in terms of morphology and especially comfort with a carefully-chosen range of materials.
- **Stylish good-looking boots** with a resolutely feminine look that embody our values and those of women.

ROSSIGNOL

WOMEN'S LINERS

ALL WOMEN'S BOOTS HAVE LINERS THAT ARE SPECIFICALLY DESIGNED TO SUIT THE FEMALE BODY SHAPE.

Women's liners are cut lower to accommodate differences in calf shape. They also have a more open design for a more comfortable fit. The padding in the upper liner is very flexible to prevent any discomfort around the calf.

The lining materials are extremely soft and comfortable, meaning that you will want to put your foot in the boot.



THE LINERS HAVE EITHER:

1. TOTAL THERMAL INSULATION
The insulator is all around the foot.

2. FOREFOOT THERMAL INSULATION
The insulator is around the forefoot in the toe area.

THERMAL INSULATION

Dedicated thermal insulation: since insulation is especially important in women's boots, all our liners have specific thermal insulation in the form of THINSULATE®, THINSULATE PLATINUM®, MERINO wool, wool or polar fleece.

This liner has excellent thermal insulation thanks to the use of THINSULATE® and THINSULATE PLATINUM®. According to our laboratory-based thermal imaging studies, these technical fibres developed by 3M provide the best thermal insulation currently available on the market.

3M Thinsulate Platinum
INSULATION

THINSULATE® PLATINUM:
This very thin fibre is used mainly in clothing thanks to its elasticity which supports freedom of movement. In a liner, it works ideally with the other materials to provide perfect foot support for great skiability.

3M Thinsulate
INSULATION

THINSULATE®:
As a very thin fibre, it does not affect the technical properties of our liners, but enables excellent foot envelopment for great skiability.

CUSTOM OPTISENSOR LINERS FOR WOMEN



The liners in the PURE range can be customised. After being heated in an oven, they mould to the shape of the skier's foot. See page 31 for more information about this process.

DEDICATED WOMEN'S CUFFS

The height of the cuff is significantly lower in comparison with a unisex cuff. The tulip-shaped rear section easily accommodates a woman's natural calf shape. It is less structured to take better account of female skiers' physiology.

MERINO WOOL

MERINO WOOL:
More than a thermal insulator, Merino wool is a natural thermal regulator. Its main attributes include:

- thermal control,
- soft feel,
- breathability,
- odor control,
- fast drying.

Merino wool is used in the lining of ski boots and provides supreme thermal comfort whatever the conditions.

POLAR FLEECE:
Polar fleece provides excellent thermal insulation.



ECHO FOR LIFE:
Sheep wool is sourced from a controlled farm in New Zealand where materials are certified by ZQ Merino Fibre.

ZQ is a New Zealand-based association that certifies the origin, quality, animal-friendliness and environmental processes used in treating and marketing the wool.



PURE ELITE



ALLTRACK WOMEN

ROSSIGNOL