



HOW IT WORKS

THE PRODUCT

The KNEEMAX® is a protective device for the knee joint and the lower leg for expert skiers, as well as for recreational skiers.

THE PURPOSES

To reduce the risk of tearing a ligament, especially the anterior cruciate ligament (ACL).

To reduce the risk of fractures of the lower leg.

To protect the patella and the lower leg against impacts.

COLLABORATIONS

2 years of R&D in collaboration with a French research team (CARMA).

French Ski Federation ("Fédération française de ski" FFS).

Joint research laboratory working on applied biomechanics (UMRT 24 IFSTTAR/Univmed).



TECHNICAL SPECIFICATIONS

High modulus carbon fibre reinforced epoxy composite material.

Weight: < 500g including accessories.

Can support a binding torque of 180 N.m. (up to a setting of 17 on the toe-piece, ISO 8061:2004).

Custom made knee adjustment, anatomical fitting.

Ease of use, 10 seconds to fix it onto the leg, 5 seconds to remove it from the leg.

Textile strap containing a silicon gel, for utmost comfort, in order to fix the KNEEMAX® product to the lower limb.

Safety and Quick release buckle made from a light aluminium alloy specifically designed for KNEEMAX®.

Textile strap made from DYNEEMA® fibres ensuring a safe link between KNEEMAX® and the ski boot. (DYNEEMA is a registered trademark of DSM)

Alpine skiers maintain a high level of performance.

KNEEMAX® fits onto any type of ski boots.

KNEEMAX® art designs can be personalized, for example for the National skiing team + sponsors.



Custom made knee adjustment, anatomical fitting.

Reduces the risk of injury of the anterior cruciate ligament by limiting the internal or external rotation of the lower leg with regards to the femoral bone.

Textile strap containing a silicon gel, for utmost comfort, in order to fix the KNEEMAX® product to the lower limb.

Protects the patella and the lower leg against impacts, and adequately replaces conventional slalom skiing protections.

Safety and Quick release buckle made from a light aluminium alloy specifically designed for KNEEMAX®.

Reduces the risk of significantly twisting the lower leg bone with regards to the ski boot, which could result in a fracture.

Textile strap made from DYNEEMA® fibres ensuring a safe link between the KNEEMAX® and the ski boot.