

SPORT PROTECTION

Ski Alpin, Racing, Freeride, Speedski
Snowboard



Protection is our Profession

Hightech Knee Brace - individual in every Detail



K-COM Knee Brace

The K-COM is a carbon-fibre knee brace with titanium joints made from a mould and **100 % customized**. It can either prevent

knee injuries or be used after injury of the cruciate and/or collateral ligaments, knee surgery and osteoarthritis. The thin structure and high wearing comfort round up the brace's qualities and it can be worn

KNEE BRACE Carbon Fibre and Titanium

Partially flexible thigh and lower leg shells. Only 1,5 mm thick upper and lower shells.

Non-slip, torsion-resistant carbon-fibre frame. Stabilizes the joint where the knee needs it most.

Optimal anatomical fitting. Provides optimal wearing comfort.

Polycentric joints made of titanium. Slim, light and high strength.

Flexion and extension limitation. Flexion adjustable.

Counter-rotating Velcro strap system. Enabling the K-COM knee brace a non-slip fit without adding unnecessary thickness.

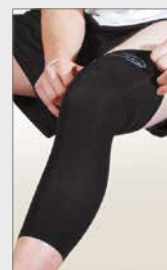
Extremely light combined with high stability. Maximal stabilization of the knee with a minimum of weight.

under the racing suit practically unnoticed. The knee joint is perfectly protected before and after an injury.

K-COM 1 pc. Price on request



Model "MX-Socks" with foot part and extra back of knee soft zone to avoid pressure



"Airmax" with climate controlling features

Knee Brace Stocking

Carrying the moisture under knee braces quickly away from the skin.

Sizes: 39 - 42, 43 - 46.

„MX-Socks“ 1 pair € 34.90

Model „Airmax“: Particularly thin and elastic version. One size fits all.

„Airmax“ 1 pair € 19.90



Model „Müller“:

Stronger version with additional silicon coating for even better skin contact.

Size	Height
approx. 65 cm length	up to 175 cm
approx. 80 cm length	exceeding 175 cm

„Müller“ 1 pc. € 24.90



For prevention and for post injury use

ORTEMA PrävenThese

A cutting edge carbon knee brace with polycentric titanium joints that are individually adapted to the athlete based on 3D surface scans of the leg. The PrävenThese does not restrict the racer's performance and

is implemented to support the return to sport after knee injuries. Due to the innovative frame construction, muscle contraction is not impaired despite stabilization of the knee joint.

PrävenThese 1 pc. Price on request



P6 Race Shell

Carbon lower leg sleeve specially developed for skiing. Is tailored according to a plaster cast of the athlete's lower leg. Ideal after injury of the tibia, even after a fracture or

with a periosteum irritation to relieve the problem area. The orthosis is very slim and ensures optimal power transmission.

P6 Race Shell 1 pair € 1,498.00

*For further orthopedic-technical supplies visit:
ortema.de*

Manufacturing of the PrävenThese

The 3D scan of the leg forms the basis for calculating the frame design of the knee brace.



The acquired scan data are sculpted and modified digitally.



The PrävenThese is fitted by experienced orthotists.



Elite Protection

Andreas Sander / Lena Dürr / Alex Schmid

ORTEMA

**Official supplier of the
German Ski-National-Teams**
Alpine and Ski Cross for the area of
"Back and forearm protectors"



Knee- and shinprotector P5 EVO

The knee and shin protector ensures a precision fit under the suit. The P5 EVO covers the kneecap frontally and extends to the shin. It features an optimized fit and material that adapts perfectly to the leg shape, even at low temperatures.

P5 EVO **1 pair** **€ 39.00**

Orthopedic sports insoles

For pain, overloading, malalignment or injury. They support or correct the feet. This can improve performance and reduce pain; Available with or without splay foot pelotte for specific support of the transverse arch.

Standard Version

Prefabricated according to shoe size; supports the foot optimally in its function due to the excellent bedding.

Sizes: 38 - 48

Standard	1 pair	€ 69.00
With pelotte	1 pair	€ 69.00

Individual fitting

By imprint or scan.

Insoles 1 pair € 109.90

- ▶ Thin & Stable
- ▶ Good power transmission

**Three central points for
optimal power transfer
and stabilization:**
big toe, little toe, heel.





► Integrated penetration protection layer



► Broad ventilation zones for optimal ventilation

► Adjustable shoulder straps

► Height adjustable kidney belt



ORTHO-MAX Light

Certified, lightweight back protector for central protection of the spine (Level 1). A three-layer, highly perforated viscoelastic foam, together with large mesh inserts provide

optimal ventilation with maximum comfort.

Size XXS, XS JUNIOR	1 pc.	€ 129.00
Size S - XXL	1 pc.	€ 159.00



ORTHO-MAX Dynamic

The back protector ensures optimal freedom of movement and outstanding breathability through perforation of the protector plate. The plate consists of several layers of a visco-elastic memory foam and thus ensures a very high impact absorbion. The integrated

plastic penetration protection layer protects the spine from pointed and sharp objects.

Sizes: XS **JUNIOR**, S - XL

Size XS JUNIOR	1 pc.	€ 149.00
Size S - XL	1 pc.	€ 169.00

Protects & Stabilizes

Lumbo-X Kidney Belt

Stabilizes and protects the lower spine; can also be used for pain and tension.

It mainly consists of a meshmaterial that guarantees an up to 80% improved humidity exchange. Integrated stabilizing belts provide a perfect fit.

Color: black

Sizes Low: XS - XXL High: S - XXXL

Low XS JUNIOR	1 pc.	€ 59.00
Low - 16 cm	1 pc.	€ 69.00
High - 24 cm	1 pc.	€ 79.00



Version "High"
(Height at the back 24 cm)

Size Chart: ortema-shop.com

ORTHO-MAX Vest Light

Sleeveless vest with integrated **ORTHO-MAX Light** back protector. The anatomical fit guarantees excellent protection with maximum freedom of movement. The Vest Light combines minimal weight with optimal protection for the spine. The large ventilation openings of the protector and the lightweight mesh material provide an excellent ventilation. Also for kids from 1.10 m tall and upwards.

Sizes: XXS - XXL

Size XXS, XS JUNIOR	1 pc. € 179.00
Size S - XXL	1 pc. € 189.00

At its heart is the protection class 1 Central Back made of a three-layer visco-elastic memory foam, certified to CE-EN 1621-2:2014. An integrated puncture protection provides additional safety.



ORTHO-MAX Race Jacket

The very lightweight protector jacket with zipper protects even at high speeds the forearms, elbows and shoulders in bar contact. This is ensured by the incorporated upper arm impact protectors P2 EVO and forearm impact protectors P3 EVO. The RACE Jacket is made of breathable materials for maximum comfort

and ventilation. It encloses the body regions closely and does not slip: For optimal protection in Super G and Giant Slalom in training and racing.

Sizes: S - XL

Race Jacket	1 pc. € 229.00
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Well protected with level 2 protection

ORTHO-MAX Vest

Sleeveless vest with integrated **ORTHO-MAX Dynamic** back protector (Level 2) as well as additional chest and back protection. The vest offers an outstanding fit with the greatest

possible freedom of movement while combining minimal weight with optimal protection for the spine.

Sizes: S - XXXL

Vest	1 pc. € 269.00
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Size Chart: ortema-shop.com

Individual fitment to
Norwegian pro - skier
Aleksander Kilde



**Customized
Back Protector**

P1 **RACE-3D**
ortema.de

The very first individually fabricated back protector, developed by ORTEMA, is specifically made for ski sports. It offers the pinnacle of both protection and freedom of movement. The protector has an integrated synthetic plate which functions as blow protection and is situated between 2 layers of polyurethane foam with a different shore hardness. Two patented link chains limit hyperextension, however without compromising the forward movement of the spinal column.

Use intended for:
Downhill, Super-G, Speed-Ski

P1 RACE-3D 1 pc. € 349.00

Radim Palán
Czech Speedski Team

X-Pants LP

Tight-fitting protector pants made of breathable material with shock and impact protection in the area of the hips and thighs. The honeycomb upholstery material ensures extremely high shock absorption and adapts perfectly to every movement. A removable coccyx protector provides additional protection.

Sizes: XS **JUNIOR**, S - XXL

XS (without seat pad)	1 pc.	€ 79.00
Without seat pad	1 pc.	€ 89.00
With seat pad	1 pc.	€ 99.00



ORTEMA Power Shorts

Compression shorts with integrated X-diagonal stabilization system. The tight-fitting pants made of breathable material, allows a relief of the tendon attachments in the groin, as well as a stabilization of the hip. This provides pain relief and relief in training and competition, especially in intense and explosive movements.

Sizes: S - XL

Power Shorts 1 pc. € 79.00



CORESHORTS PRO 3.0

The additional stabilisation of the entire hip, groin and thigh area by means of integrated diagonal elastic bands. An effective increased compression can relieve ligaments, muscles and tendons.

Sizes: XXS - XL

CoresHORTS 1 pc. € 99.00



Impact protectors P3 EVO und P2 EVO

The 3-layer structure of the upper and lower arm impact protectors provides maximum impact protection from gate poles at high speeds and tight gate combinations. The impact protector absorbs the blows and distributes the rest of the force over a larger area. The impact protectors are fixed to the arm with a Velcro strap and are worn beneath the racing suit. The range of motion is not limited by the protectors.

Sizes: M, L (P2 EVO) / S, M, L (P3 EVO)

P2 EVO (upper arm)	1 pair	€ 99.00
P3 EVO (lower arm)	1 pair	€ 99.00

Forearm guard Race PRO

Sizes: S, M, L

Color: white

Race PRO	1 pair	€ 159.00
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Forearm guard Race PRO CL

Sizes: S, M, L

Color: white

Race PRO CL	1 pair	€ 279.00
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P4 Hand Protection

Fastened to the glove, the protector, made of unbreakable plastic, protects the mid-hand area, knuckles and thumb from dangerous impact with gate poles or the hard-frozen track. It avoids fractures on the hand and protects against the notorious "skier's thumb". Compatible with any model of glove across all manufacturers.

(Standard color: white)

P4 Hand Protection	1 pair	€ 179.00
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Ski thumb brace

The brace is worn under the glove to prevent the overextension of the thumb, the thumb base- and saddle-joint and stabilizes the ligament capsule apparatus in case of skier's thumb injury.

Standard	1 pc.	€ 119.00
Individual fitting	1 pc.	€ 176.00



Carbon-fibre Shoulder Brace

Individually fabricated.

It can be used for the prevention of injuries or post surgery. Since it is very light, it ensures a high wearing comfort.

The adjustable straps can limit the movement of the upper arm either statically or dynamically and bilateral use is possible.

Price on request

Version polyethylene (no fig.)

Prefabricated and can be fitted and adjusted individually.

Version polyethylene	1 pc.	€ 399.00
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OMO-HiT® Shoulder bandage

Stabilizes the shoulder and upper arm after contusions and contortions.

OMO-HiT®	1 pc.	€ 199.00
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Version Race PRO made of unbreakable plastic material, fixed by a Velcro strap.



Version Race PRO CL encloses the entire forearm, individual adaptation possible.

Our partners



Photos: Klaus Listl (title), ORTEMA, DSV, companies

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