

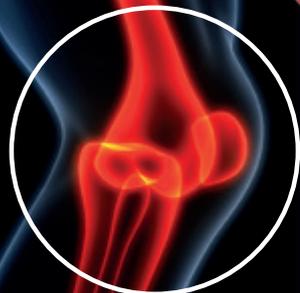
# SPORT PROTECTION



Alpine Skiing, Racing  
Freeride, Speedski  
Snowboard



Protection is our Profession



# HIGHTECH-KNEE BRACE

## Carbon Fibre and Titanium

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

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

**Optimal anatomical fitting.** Gives optimal wearing comfort.

**Polycentric joints made of titanium.** Thin, light and high strength.

**Flexion and extension limitation.** Flexion adjustable.

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

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



At the measuring station of the Institute of Design, Micro and Medical Technology at the Technical University of Berlin, it was tested whether the brace can withstand the forces acting in a fall. Result: "The system protects it in the fall, which can absorb enough energy to prevent a knee injury," says Karlheinz Waibel, Head coach German Skiing Federation (DSV).

- Indicators:**
- Injury of the anterior cruciate ligament (ACL)
  - Injury of the posterior cruciate ligament (PCL)
  - Injury of the collateral ligaments and meniscopathy
  - Complex instabilities
  - Cartilage damage and athrosis

### 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 osteoarthopathy. The thin structure and high wearing comfort round up the brace's qualities and it can be worn under

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

**K-COM 1 pc. Price on request**



**For prevention and for use after injuries**

## ORTEMA PrävenThese

The cut of the PrävenThese's Carbon frame follows the individual lines of these supporting areas. By doing this the muscular contraction is not impeded despite the stabilization. Due to the individual 3D customiza-

tion a new way of fitting and fixing a brace to the leg has been developed which offers a maximum of safety combined with excellent wearing comfort.

**PrävenThese 1 pc. from € 2,500.00**



## P6 Race Shell

Carbon lower leg sleeve specially developed for skiing. Is customized according to plaster cast. Ideal after injury of the tibia, even after a fracture or with a periosteum irritation to relieve the problem area.

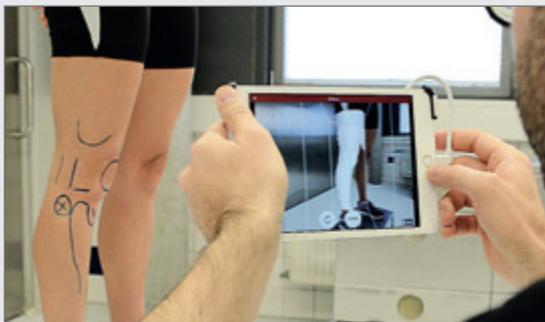
The orthosis is very thin with slim fit and ensures optimal power transmission.

**P6 Race Shell 1 pair € 1,498.00**

**Further orthopedic-technical supplies:**  
[www.ortema-shop.com](http://www.ortema-shop.com)

## 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 modeled on the screen.



The PrävenThese is fitted by experienced orthotists.



## Knee- and shinprotector P5 Speed

The knee and shin protector fits neatly under the suit. He provides more safety for the athlete. The **P5 Speed** covers the kneecap from head-on and is extended to the shin. Its shock-absorbing foam adapts, to the body heat of the athlete, on the leg. A Velcro closure keeps the protector even in high performance applications in place.

**P 5 - short**      1 pair    from € 36.00  
**P 5 - long**      1 pair    from € 36.00

## ORTEMA Sport Insoles

Sport insoles are manufactured from a mould and can help to relieve pain, help with overloads, correct foot deformities and post-injury problems. The general performance of the feet can be influenced positively, length differences be compensated and pain be eliminated.

### Version Standard

Prefabricated shoe size; support by the excellent bedding the foot in its function optimally.  
**Sizes:** 39 - 48

**Standard** 1 pair € 59.90

Customized sport insoles are fitted to the individual needs and anatomy of the athlete's feet.

**Individual fitting**      from € 108.00



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



## Protected like the Pros



Official supplier of the  
 German Ski-National-Teams





**Integrated protection layer**



**Large-scale ventilation zones for optimal ventilation**

**Adjustable shoulder straps with velcro®**

**Height adjustable kidney belt**

**Available in 7 sizes**



forated viscoelastic foam, together with large mesh inserts for optimal ventilation with maximum comfort.

**Sizes:** XXS - XXL

## ORTHO-MAX Light

Certified, lightweight back protector for central protection of the spine (Level 1). A three-layer, highly per-

Size XXS, XS	1 pc.	€ 99.00
Size S, M, L	1 pc.	€ 119.00
Size XL, XXL	1 pc.	€ 129.00



CE



## ORTHO-MAX Dynamic

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

energy consumption. The integrated plastic penetration protection protects the spine from pointed and sharp objects.

**Sizes:** S - XL

**Size S - XL** 1 pc. € 169.00

## Lumbo-X Kidney Belt

Stabilizes and protects the lower part of the spinal column; can also be used for pain and tension. It mainly consists of a mesh material that guarantees an up to 80% improved humidity exchange. Integrated stabilizing belts provide a perfect fit.

**Colors:** black ■ red ■

**Sizes Low:** XS - XXL **High:** S - XXL  
(Version High in black also in XXXL)

Low - 16 cm	1 pc.	€ 54.90
High - 24 cm	1 pc.	€ 59.90

**Protects & Stabilizes**



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

**Size Chart:** [www.ortema-shop.com](http://www.ortema-shop.com)

## ORTHO-MAX Race Jacket

Very light protector jacket for perfect protection of the forearms, elbows and shoulders, even at high speeds. 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.

Size	body length
<b>M</b>	up to 165 to 175 cm
<b>L</b>	up to 175 to 190 cm

<b>Race Jacket</b>	<b>1 pc.</b>	<b>€ 129.00</b>
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protects shoulders, upper arms & elbows at gate poles contact

## ORTHO-MAX Vest

Sleeveless vest with integrated ORTHO-MAX back protector as well as additional chest and back protection. The vest fits perfectly with the greatest possible freedom of movement

and combines minimal weight with optimal protection for the spine.

**Sizes:** S - XXXL

<b>Vest</b>	<b>1 pc.</b>	<b>€ 229.00</b>
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**MOTORRAD**  
Urteil: sehr gut

**MOTORRAD**  
testsieger

## ORTHO-MAX Jacket

Protector jacket for optimal all-round protection. Protects the spine, shoulder and elbow; Now with additional chest and back protection. Breathable materials ensure maximum comfort and optimal ventilation.

Surrounds the body regions and does not slip.

**Sizes:** S - XXXL

<b>Jacket</b>	<b>1 pc.</b>	<b>€ 289.00</b>
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**REISE ride on!**  
**MOTORRAD**  
EMPFEHLUNG

**Motorrad**  
ABENTEUER  
EMPFEHLUNG

Size Chart: [www.ortema-shop.com](http://www.ortema-shop.com)



Individual adaptation at Norway's skier Aleksander Kilde



## P1 RACE- 3D

ortema.de

The very first individual manufactured back protector, which has been developed by ORTEMA, is specifically made for ski sports. It gives the maximum of security 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 prevent an overarching, do not however inhibit the forward movement of the spinal column.

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

**P1 RACE-3D 1 pc. € 299.00**

Speedski-World Champion Simone Origone (Italy) with the P1 RACE 3D



### 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, on the other hand, a stabilization of the hip. This leads to pain relief and relief in training and competition, especially in intense and explosive movements.

**Sizes:** S, M, L, XL

**Power Shorts 1 pc. € 69.00**



### UA Coeshorts Pro

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

**Sizes:** S, M, L, XL, XXL

**Coeshorts PRO 1 pc. € 54.95**



### X-Pants LP

These tight-fitting pants are made of a material allowing for humidity exchange and protectors that allow for the full range of movement whilst protecting the region of the hip. With coccyx protector.

**Sizes:** S - XXL

**Without additional rear inlay 1 pc. € 79.00**



## **P2 EVO** Upper arm protector

## **P3 EVO** Lower arm protector

The 3-layer structure of the upper and lower arm protectors gives a maximum of impact protection from gate poles at high speeds and tight gate combinations.

The protector absorbs the blows and distributes the rest of the force over a larger area. The protectors are fixed to the arm with a Velcro strap and are worn beneath the racing suit. The range of motion is not negatively influenced by the protectors.

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

<b>P2 EVO</b>	pair	€ 79.00
<b>P3 EVO</b>	pair	€ 79.00

## **Lower arm protector Race PRO**

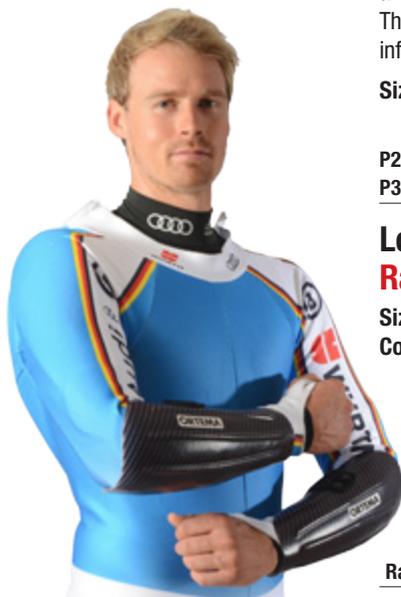
**Sizes:** S, M, L  
**Colors:** white, carbon look

<b>Race PRO</b>	1 pair	€ 145.00
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## **Lower arm protector Race PRO CL**

**Sizes:** S, M, L  
**Colors:** white, carbon look

<b>Race PRO CL</b>	1 pair	€ 259.00
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Version **Race PRO** made of unbreakable plastic material, fixed by a Velcro.



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



## **P4 Hand Protection**

Fastened to the glove, the protector, made of unbreakable plastic, protects the mid-hand area, knuckles and thumb from dangerous contact with gate poles or the hard-frozen track. It avoids fractures on the hand or protects against the notorious "ski thumb". Lets fix on every glove model of all manufacturers.

<b>P4 Hand Protection</b>	1 pc.	€ 179.00
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## **Ski thumb brace**

The under the glove worn brace prevents the overstretching of the thumb, the thumb ground- and saddle-joint and stabilizes the band capsule apparatus in case of ski thumb injury.

<b>Standard</b>	1 pc.	€ 119.00
<b>Individual fitting</b>		€ 176.00



## **Carbon-fibre Shoulder Brace**

Individually manufactured. It can be used for the prevention of injuries such as the treatment thereof after operations. 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**

Prefabricated and can be fitted and adjusted individually.

<b>Version polyethylene</b>	1 pc.	€ 399.00
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## **Omo-Hit Shoulder bandage**

Stabilizes the shoulder and upper arm after contusions and contortions.

<b>Omo-Hit</b>	1 pc.	€ 199.00
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# SPORT PROTECTION SKI



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[www.ortema-shop.com](http://www.ortema-shop.com)



Official Orthopedic-Technology  
and supplier for sport protection  
(Alpin) of the Ski-National-Teams



Bayerischer Skiverband - www.bsv-ski.de

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OFFICIAL POOL SUPPLIER



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protectors of the Canada  
Snowsport Team



Official Supplier of back  
protectors to the  
US Ski Team



Official Partner of the  
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Ski Team Alpine



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