

# KCOM

by ORTEMA **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.

## K-COM Knee Brace

The K-COM is a carbon-fibre knee brace with titanium knee 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 under the racing suit practically unnoticed.

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

# XPERT

by ORTEMA **Special Plastic**



## X-PERT Knee Brace

Special plastic knee brace protects and stabilizes the knee joint and was designed to fulfill the needs of all participating in motor-sports. The removable knee cap protector further protects the often exposed areas which are prone to injuries by stones and blows. The joints are made of a high-quality titanium to meet the tough requirements of motor-sports.

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

**X-PERT 1 pc. (S) € 475.00**  
**X-PERT 1 pc. (M-XL) € 495.00**



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

## Orthopedic 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**



## 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**  
**With additional rear inlay 1 pc. € 89.00**



## 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, 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:** M, L, XL

**Power Shorts 1 pc. € 69.00**



*„By supporting ORTEMA I could after several serious injuries always quickly back in the downhill scene. Protection, style and fit for me in downhill and enduro is a must - exactly I have with ORTEMA found these aspects“*

**Marcus Klausmann, 15-times German DH Champion; Propain Klausmann Suspension Team**

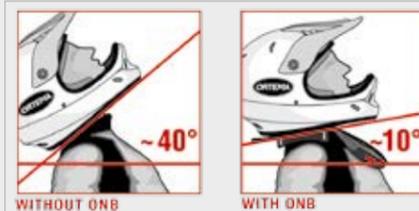


# ONB

ORTEMA NECK BRACE

The ONB distinguishes itself by its extremely low weight. The support in the back has the shape of a horseshoe to avoid the neck brace exerting pressure centrally on the spine. The force transmission is distributed over a larger area to avoid

**Significantly less hyperextension of the neck during high impact with the ORTEMA Neck Brace.**



- ▶ Best anatomical fit of the rear part
- ▶ Made of unbreakable high-performance plastic
- ▶ Safety quick locking system (lever lock)
- ▶ Complete foam-sealed front panel with increased shock absorption to protect the sternum



## GP3 Elbow Protector

**Sizes:** XXS - XL

**GP 3 1 pair € 69.00**

## GP5 Knee Protector

**Sizes:** XS - XL

**GP 5 1 pair € 89.00**

- ▶ Optimal protection by visco-elastic protectors (certified / Level 1)
- ▶ High wearing comfort due to breathable material and vents
- ▶ Special cut ensures that the protector does not slip
- ▶ Upper arm or thighs closure with silicone coating

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MTB,  
Enduro, Freeride  
Downhill, Trial  
BMX



Protection is our Profession

Chest protection made of viscoelastic foam (protectors removable)  
Optimized fit of removable CE protectors (Level 2) on shoulder and elbow

Generous mesh-inserts ensure optimal ventilation  
Additional protection layer in the area of the spine



Height adjustable, integrated kidney belt  
Anatomical fit ensures increased comfort

Integrated rib protection  
Anatomically adapted form of the CE back protector (Level 2) guarantees perfect protection with maximum mobility and increased wearing comfort

The heart of the **ORTHO-MAX** protector family is the back protector, protection class 2, made of a new visco-elastic memory foam, certified to CE-EN 1621-2. The new 2017/18 generation developed according to biomechanical criteria is even lighter, more breathable thanks to maximum perforation and impresses with even better shock absorption values of less than 5.5 kN.



Size Chart for Jacket, Vest and Enduro			
Size	Height	Torso length*	Chest circumference
<b>S</b>	155 - 165 cm	36 - 40 cm	90 - 95 cm
<b>M</b>	165 - 175 cm	40 - 44 cm	95 - 100 cm
<b>L</b>	175 - 185 cm	44 - 49 cm	100 - 105 cm
<b>XL</b>	185 - 195 cm	49 - 53 cm	105 - 110 cm
<b>XXL</b>	185 - 195 cm	49 - 53 cm	110 - 115 cm
<b>XXXL</b>	185 - 195 cm	49 - 53 cm	115 - 125 cm

**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: XS - XL**  
**Size XS** 1 pc. € 139.00  
**Size S - XL** 1 pc. € 169.00



**ORTHO-MAX Vest**

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

of movement and combines minimal weight with optimal protection for the spine.  
**Sizes: S - XXXL**  
**Vest** 1 pc. € 229.00



**ORTHO-MAX Enduro**

Protector jacket for all-round protection of the upper body, reduced to the essentials; this is ensured by the back protector, removable protectors in the chest and shoulder area as well as an integrated

rib protection. The height-adjustable kidney belt can be individually adjusted in height via a Velcro® fastener  
**Größen: S - XXL**  
**Enduro** 1 pc. € 259.00



**ORTHO-MAX Jacket**

Protector jacket for optimal all-round protection. Protects the spine, shoulder and elbow; Now with additional chest and back protection. Breath-active materials

ensure maximum comfort and optimal ventilation. Surrounds the body regions and does not slip.  
**Sizes: S - XXXL**  
**Jacket** 1 pc. € 289.00



**P1 LIGHT**

Light spine protection with a minimum of weight. The **P1 Light** protection is extremely thin and has an optimal anatomical fitting. It can also be combined with the **Lumbo-X kidney belt** to stabilize the lower spine even more effectively.  
**Sizes: S, M, M/L, L**



**Version standard:** black; with kidney belt and shoulder straps  
**Standard** 1 pc. € 134.90  
**Decor/color for P1 Light standard** 1 pc. € 24.90  
**More decors & colors:** [www.ortema-shop.com](http://www.ortema-shop.com)



Version "Low" (Height at the back 16 cm) Version "High" (Height at the back 24 cm)

**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:** XS - XXL  
**Low - 16 cm** 1 pc. € 49.90  
**High - 24 cm** 1 pc. € 54.90

- ▶ Protect the lower part of the spinal column
- ▶ Integrated, patented link chains with hyperextension protection
- ▶ Infinitely variable adjustable via wide velcro closure
- ▶ Integrated stabilizing belts provide a perfect fit



**OCP ORTEMA CHEST PROTECTOR**

Is made of an unbreakable synthetic material, it fits tightly to the body without limiting movement and protects the ribs, chest and inner organs in the case of a crash. Due to its being so thin (3 mm) it can be worn without problems

under a racing suit or textile clothing. Meets the norm for rock-fall protection (EN 14021).

The belt system allows the combination with the ORTHO-MAX collection.

**Standard sizes:** 3 for men, 2 for women and 1 for children.

Size chart and decors: [www.ortema-shop.com](http://www.ortema-shop.com)

<b>OCP without belt system</b>	1 pc.	179,00 €
<b>OCP with belt system</b>	1 pc.	245,00 €
<b>Individual fitting</b>		on request



**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.

**Version carbon-fibre** on request

**Version polyethylene** (picture above) Prefabricated and can be fitted and adjusted individually.

**Version polyethylene** 1 pc. € 399.00