



anatomical fit

MADE IN GERMANY ORTEMA

short - without shoulder clasp

long - with shoulder clasp

**Chest- and collarbone 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 (max. 2 mm) it can be worn without problems under a racing suit. Can additionally be combined with a back protector and kidney belt to provide even better safety.

**Chest shield (standard sizes) with or without shoulder clasp**

1 pc.	245,00 €
With P1 Light or P1 Dynamic and kidney belt	1 pc. 399,00 €
With P1 Light or P1 Dynamic, kidney belt and upper arm cups	1 pc. 465,00 €
Special construction	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**  
1 pc. on request

**Version polyethylene (o. Abb.)**  
Prefabricated and can be fitted and adjusted individually.

**Version polyethylene** 1pc. 399,00 €



**K-COM knee brace**

High quality 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 osteoarthopathy. The K-COM distinguishes itself by its perfect fit, extremely low weight with high stability and very important for the riders: no slipping. The thin structure and high wearing comfort round up the brace's qualities and it can be worn under the racing suit practically unnoticed. A knee cap protector is fitted for offroad sports.

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

**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  
**X-PERT** 1 pc. 475,00 €



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

**Orthopedic sport insoles**

Sport insoles 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.

**Standard version**  
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** min. 108,00 €

**KIDS PROTECTION**

Almost all products of the Sport Protection are also available in small sizes for kids and adolescents.

Individual adjustments are possible.

Just call us at:  
**+49 (0) 7145 - 91 53 800**

or send us a mail:  
**info@ortema.de**



**ORTEMA GmbH**

Kurt-Lindemann-Weg 10 · 71706 Markgröningen  
Tel. +49 7145 - 91 53 800 · Fax +49 7145 - 91 53 980  
info@ortema.de · www.ortema.de



Road Racing  
MotoCross  
MTB DH/ Freeride  
Tour rider  
Trial



Protection for even more power



**MOTORRAD**  
Urteil: sehr gut

# ONB

ORTEMA NECK BRACE

## 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 single pressure peaks in the region of the vertebral bodies. **Sizes:** S - XL

**ONB standard (black)** 1 pc. 349,00 €

**ONB decor-sets (green, blue, red, yellow, orange or b/w)** 1 pc. 34,00 €

- ▶ Best anatomical fit of the rear part
- ▶ Complete foam-sealed front panel with increased shock absorption to protect the sternum
- ▶ New developed safety quick locking system (lever lock)
- ▶ Complete foam-sealed front panel with increased shock absorption to protect the sternum



1,3



1,3



2



2



CE

## P1 DYNAMIC back protector<sup>1</sup>

Consists of several layers of a new viscoelastic memory foam, which allows a very high energy absorption. To protect against sharp and pointed objects, a special plastic penetration protection has been integrated in the spine.

**Sizes:** XS - XL

**Size XS** 1 pc. 139,95 €

**Size S,M or L** 1 pc. 159,95 €

**Size XL** 1 pc. 169,95 €



Light also available in new designs!

## P1 LIGHT back protection

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

**In black or white**

**With shoulder straps** 1 pc. 129,90 €

**With Lumbo-X kidney belt**

**Low (Size S - L)** 1 pc. 159,90 €

**High (Size S - L)** 1 pc. 164,90 €

**In color / designs**

**With shoulder straps** 1 pc. 139,90 €

## JACKET



## VEST



# ORTHO-MAX

## ORTHO-MAX JACKET<sup>2</sup>

The protector jacket, that protects spine, arms, shoulder and elbow. Developed with professionals according to anatomic and biomechanical criteria. Extremely lightweight with breathable material. Encloses the regions of the body closely and does not slip.

**Sizes:** S - XXL

**JACKET** 1 pc. 279,00 €

- ▶ Extremely lightweight with breathable material
- ▶ Protectors in accordance with DIN EN 1621 class 2
- ▶ Best impact values
- ▶ Removable upper arm, lower arm and back protectors
- ▶ With integrated kidney belt
- ▶ Developed according to anatomic and biomechanical criteria

## ORTHO-MAX VEST<sup>3</sup>

To round up the **ORTHO-MAX**-concept a sleeveless vest is also available with the high-quality back protector integrated. This combines a minimum of weight with the highest possible protection for the spinal column.

**Sizes:** S - XXL

**VEST** 1 pc. 219,00 €



Lumbo-X low

Lumbo-X high

## 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 meshmaterial that guarantees an up to 80% improved humidity exchange. Integrated stabilizing belts provide a perfect fit. Available in the versions: „low“ (Height at the back 16 cm) and „high“ (Height at the back 24 cm).

**Colours:**

black ■ red ■ yellow ■

**Sizes:** XS - XXL

**Low - 16 cm** 1 pc. 49,90 €

**High - 24 cm** 1 pc. 54,90 €

## 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 €