

# ErgoMesh Premium seat

## The best of two worlds

The new premium version of the ErgoMesh seat: the most flexible invitation to stay seated for another round you can get.

The seat is the flagship of a recumbent. The comfort pampered recumbent riders who rave about their *Scorpion* will tell the long-suffering upright bicycle riders who have permanent pressure points when sitting, about two unbeatable advantages: comfortable seating and back-friendly ergonomics. For exactly this reason, HP VELOTECHNIK gives top priority to the design of the seat as the central contact point between man and bike.

New materials and new processes enable our developers to create a new design that is unique in many ways. It combines the best of two worlds: the ergonomically adjustable fit of a partially flexible bucket seat with the airy comfort of a mesh seat.

For the first time in a recumbent bike bucket seat, the ErgoMesh Premium allows the angle of inclination of the seat and backrest to be adjusted independently. The frame, formed from high-strength aluminium tubes, gives the Premium seat its unmistakably defined contour. For outstanding comfort the ErgoMesh Premium combines a unique material mix of six different woven and knitted fabrics. This makes the seat both highly breathable and cuddly. In addition, it is highly adjustable: Eight tension straps in combination with four OrthoFlex® pads that can be individually positioned by you make ErgoMesh Premium your personal invitation to take a seat.

The ErgoMesh Premium is also available as a 5 cm wider XL version and each with 11 cm more seat height than the HS version.

### Seat with contour

The aluminium frame (6061 T6) with its elaborately shaped 3D outline defines a new standard for recumbent recliners. The design challenge that the engineers faced is outstanding in one structure: the striking bulge in the front area of the seat. The front edge of a recumbent seat has to fulfil two seemingly contradictory tasks: It must provide firm support to the front, but at the same time offer comfortable freedom of movement for the thighs when pedalling.

### Unique: Seat-O-Flex

The Seat-O-Flex joint is the linchpin for your best possible comfort. Before all other innovations in this superlative seat, the developers at HP VELOTECHNIK were sure: for maximum flexibility, the seat and backrest must be freely adjustable against each other. Adjusting the angle of the seat as a whole – you can already do this with the standard ErgoMesh: With it the rider can choose either the aerodynamic reclining position or the upright position for a wider field of vision. But the rigid overall construction also means: in a very upright position it offers less support to the front, and at a very flat angle some people feel pressure from the front edge of the seat. Enjoy the new freedom with the Seat-O-Flex technology in the ErgoMesh Premium seat and adjust the backrest and seat completely independently from each other. Experience this unbelievable comfort and find out how much difference 14 degree backrest angles make.



### Integrated OrthoFlex® technology

Two slide-in pockets on the edge of the seat and two on the backrest are upholstered with padding elements made of highly breathable material. HP VELOTECHNIK first introduced this technology with the Gekko fxs under the name OrthoFlex®. It ensures maximum flexibility for the individual adjustment of the ErgoMesh Premium in order to support every body as best as possible at crucial points. The removable pads can be moved within the pockets. The basic adjustment is surprisingly simple: take a seat, open the pockets, push the OrthoFlex pads against the back, close the pockets and off you go!

### Optional headrest

A headrest can be mounted on the upper cross brace if desired. The height and inclination of the headrest can be adjusted in a few moments thanks to quick-release levers.



### Convenient structures

In order to provide optimum support for the back and buttocks, the *ErgoMesh Premium* seat is divided into eight large cushion zones. The individual sections are separated by ventilation channels. The structure combines aesthetics and functionality by providing the greatest possible air supply precisely in those areas where the body sweats most.

### The core of the premium

The construction of the *ErgoMesh Premium* seat is characterised by a complex material mix. The seats made of simple foam used on some recumbents sometimes offer a pleasantly adaptable contact surface during the first seat test – but they prove, usually, to be too soft on long rides and leave the pedalist stewing in his own juice. The *ErgoMesh Premium* on the other hand is multi-layered. After intensive testing and inspection, our developers have tailored a multi-layer structure to the frame: Over a wide-meshed nylon fabric, two different strong spacer fabrics ensure very high breathability while at the same time providing excellent cushioning and a firm support for your back.



### Integrated pockets

A beautiful back can also be delightful. At HP VELOTECHNIK it can do much more! We have equipped the *ErgoMesh Premium* seat with two removable, functional luggage pockets. Separated neatly, they accommodate the optional seat rain cover as well as the small everyday items. Both bags are made of water-repellent Cordura® and have a protected zip. They each offer a pack content of 1.4 litres. The left pocket for the protective cover has an airy mesh fabric on the side, so that the contents can start to dry while you continue your journey.



### Reflective Elements

The extra safety: there are reflective strips on the side of the seat and on the back of the bags, which provide better visibility in the headlights.

### Easy Seat-mounting

The mounting on the trike is done with the proven 3-point mounting system from HP VELOTECHNIK. The ingenious design of the seat plates allows the seat angle to be infinitely adjusted in seconds. All you have to do to fix the desired position is to close three quick releases. An additional advantage of the 3-point mounting by HP VELOTECHNIK is that you can interchange *ErgoMesh Premium*, *ErgoMesh* and *BodyLink* as you wish.



### Show your colours

The seat is prepared for the reception of a pennant. With the optional pennant as passive safety equipment, you set a clearly visible exclamation mark in traffic.

### Under tension

To adjust the fit of the seat to your body individually, you can adjust the tension straps on the *ErgoMesh Premium* in addition to positioning the *OrthoFlex®* pads. The back section is equipped with six stabilising straps, which can be adjusted to be firmer or more flexible in seconds using a ladder buckle. Two more straps are located under the seat. In order to create the optimal power transmission in the transition from belt system to seat, the extremely resistant material Hypalon® was used, which is otherwise often used in boat building.



### Metal

Details make the difference, as a glance at the upper seat panel on the *ErgoMesh Premium* shows: In contrast to the classic *ErgoMesh* seat and *BodyLink*, the component with the characteristic long slits can be folded away flat. This makes transport easier and saves space.



### Technical Data

Back rest .....	63 cm (24.8") / 66 cm (26", XL high position)
Seat pan .....	24 cm (9.4") / 27 cm (10.1", XL high position)
Width .....	41 cm (16.1") / 46 cm (18.1", XL)
HS version .....	11 cm raised seating position
Adjustment angle back .....	14°
Adjustment angle seat .....	11°
Frame .....	6061 T6 Aluminium
Package measure folded (L x W x H) ..	68 x 41 x 24 cm (26.8" x 16.1" x 9.4")
Package measure straightened .....	89 x 41 x 16 cm (35" x 18.1" x 6.3")
Volume pockets .....	2 x 1,4 liter

### Small is beautiful

You have two options for transporting the bike in the car: You can leave the seat on the trike and, after releasing a quick release, simply fold it forward – this will make your *Scorpion* nice and flat. If you want to transport the trike folded, remove the seat. And you also have the choice: With the seat folded, the *ErgoMesh Premium* becomes short and compact. But it can also be fully opened. With a height of 16 cm, the flat stretched seat leaves plenty of room in your car for beautiful bicycles and your luggage.

