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Seating comfort from HP VELOTECHNIK: *ErgoMesh Premium*



ErgoMesh Premium: A recumbent seat to perfectly combine comfort, flexibility and functionality.

Pictures: HP VELOTECHNIK

Unique in comfort and function

The seat is the business card of a recumbent: With the world premier *ErgoMesh Premium* from the recumbent manufacturer HP VELOTECHNIK presents a superlative seat for 2021

KRIFTEL, the *ErgoMesh Premium* sets a new standard for seating comfort in bicycle construction. Never before has a seat been so flexible and individually adjustable and at the same time comfortably upholstered and functionally equipped. To achieve this, the developers of HP VELOTECHNIK combine the best of both known recumbent seat worlds: the airy breathing comfort of a mesh seat with the functional adjustment options of ergonomically optimised hard-shell seats. The *ErgoMesh Premium* seat, available in the 2021 season, can be mounted on all *Scorpion* models from HP VELOTECHNIK as well as the two wheel recumbent classics *Streetmachine Gte* and *Speedmachine*.

The core of HP VELOTECHNIK's seat innovation is the *Seat-O-Flex* technology. This swivel joint in the extremely complex 3D-shaped frame provides unprecedented flexibility: for the first time, the angles of the seat and backrest of a mesh seat can be changed independently of each other. The rider can optimally adjust the ergonomically shaped fabric surfaces with their highly breathable and at the same time comfortable upholstery according to their wishes. Sit com-

fortably upright to enjoy the panoramic view, or accelerate with the aerodynamically favourable flat position. The *ErgoMesh Premium* answers the question of riding philosophy that other designs have with three quick releases that fix the seat in the desired position.

However, this by no means exhausts the topic of ergonomics in all situations from the new recumbent seat from HP VELOTECHNIK. In addition to the movable frame, the engineers have also given the upholstery a flexible inner life. To achieve this, they integrated *OrthoFlex®* technology, which was developed together with orthopaedic experts for a completely different type of seat. Two slots on each side of the backrest edge and the seat surface accommodate upholstery elements made of highly breathable material. These four blanks can be removed or moved inside the pockets – even after the rider has taken a seat on the *ErgoMesh Premium*. This makes it possible to adapt the seat directly to individual wishes. Especially on longer rides, you can feel how much comfort is provided by a support that is perfectly adapted to your body shape. The basic adjustment of the seat with eight strong tension straps remains

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unaffected by this. This basic fit is, similar to the *ErgoMesh* seat from the German manufacturer, which has been tried and tested for years, literally strapped down before the ride.

Numerous extras and additional functions

The claim "Premium" is underlined by the *ErgoMesh Premium's* numerous extras and practical additional functions with which the developers have equipped the seat. Two integrated but detachable pockets made of very strong, water-repellent Cordura® together offer almost



three litres of storage space. The left pocket has a large-mesh insert on the outside. It is thus prepared to accommodate the rain cover that matches the seat and starts to dry while you continue your journey.

The *ErgoMesh Premium* is mounted with the proven three-point mounting system from HP VELOTECHNIK: adjust the seat, close three quick release skewers – done. As the mounting is the same as for the simple mesh seat *ErgoMesh* and the *BodyLink* hard-shell seat, the seats can be exchanged as desired. New and very advantageous for transport, however, is the upper seat panel of the *ErgoMesh Premium*: the component with the characteristic long slots can be folded away. In combination with the *Seat-O-Flex* technology, this allows a very flat shape for transport by train, or car.

Like the other two seats from the recumbent manufacturer, a headrest can be mounted on the *ErgoMesh Premium*. In addition to the reflective strips as integrated safety elements, there are prepared mounting possibilities for penants and tail light.

The *ErgoMesh Premium* seat will be available in January 2021. In addition to the normal version, it is also available in *XL* as well as in an *HS* version (eleven centimetres higher seating position). The *ErgoMesh Premium* can be ordered instead of the standard seat *ErgoMesh* for all models of

Technical Data ErgoMesh Premium

Material (frame):	Aluminium 6061 T6
Height back:	63 cm (66 cm XL version) 24.8" (26")
Seat pan (length):	24 cm (27 cm XL version) 9.4" (10.1")
Seat pan (width):	41 cm (46 cm XL version) 16.1" (18.1")
Adjustment angle back:	14°
Adjustment angle seat pan:	11°
Volume pockets:	2 x 1,4 Liter (86 CUI)
Weight:	2,7 kg
Price (optional):	199,- Euro / \$ 219
(retrofit item)	599,- Euro / \$ 719
Available:	from Januar 2021

the *Scorpion* series as well as for *Streetmachine Gte* and *Speedmachine* at an extra charge of 199,- Euro (RRP).

Further information (only for editorial offices) from Alexander Kraft (Press Officer HP VELOTECHNIK), 06192-97992283 or 0160-99858794; alexander.kraft@hpvelotechnik.com.

Press release for download:
<https://tinyurl.com/y2u8em7t>

A large range of press photos (300 dpi) is available for download from: <https://tinyurl.com/yjypyc4z>



Measurements (L x W x H): 89 x 41 x 16



(Measurements
(L x W x H):
68 x 41 x 24

Background information HP VELOTECHNIK

HP VELOTECHNIK, founded in 1993 by Paul Hollants and Daniel Pulvermüller, manufactures approx. 2,000 recumbents per year in the factory in Kriftel near Frankfurt with 45 employees (including six trainees) and is thus market leader in Europe. The bikes are built individually by hand according to the customers wish and sold in specialist bicycle shops. The signs are pointing to growth: recumbents are sold in Germany and Europe; an increasing share is exported to more distant regions such as the USA, Australia or Japan. This successful business strategy was honoured in 2017 with the "Hessian Export Prize", which is jointly awarded by the State of Hesse and the Hessian Chambers of Crafts and Industry and Commerce.

HP VELOTECHNIK has developed 15 recumbent models that cover the entire range from everyday bikes to racing bikes. All models are available with powerful electric motors on request. Recently, the models from the *Scorpion* series caused a sensation, winning the renowned "Eurobike Award" design prize three times in a row. Most recently, in 2013 the trike *Scorpion fs Enduro* and in 2014 the *Scorpion plus 20* as a therapy trike.

Even as schoolchildren, the company founders Hollants and Pulvermüller became national winners of the JUTEC Youth and Technology competition of the Association of German Engineers – the foundation of the development from a garage laboratory to one of Germany's most innovative bicycle companies. Since 2006 HP VELOTECHNIK has been awarded as one of the three best bicycle manufacturers in Germany by the industry association VSF several times. *Information at www.hpvelotechnik.com*