

Presstext vivax assist

vivax assist: A revolutionary concept

The lightest Bike Motor in the world.

Durable, long-lasting, strong

The focus was on improving the existing Gruber Assist. The result is a completely new product with sensational features – the vivax assist.

No other motor combines the ability to cycle for sport with the convenience of motorised support as well as the new vivax assist. Elegantly hidden in the seat tube, it sends a considerable amount of extra power to the crank at the mere touch of a button. Switching “on” and “off” while riding is easy. When the motor is off, the bike works normally and without resistance. Thanks to its retrofit kit, it is almost irrelevant what brand of bike you have.

Positioning

The sporty power unit vivax assist, is beyond comparison with traditional electric bikes or pedelecs. It represents a completely new kind of drive. Compared with front and rear hub motors and mid-mounted motors, the vivax drive fits neatly inside the seat tube and adds very little extra weight. It also appeals to a new target group, which bridges the gap between the sports bicycle and the electric bike.

Sport and comfort

No other motor combines the ability to cycle for sport with the convenience of motorized support as well as the new vivax assist. Elegantly hidden in the seat tube, it sends a considerable amount of extra power to the crank at the mere touch of a button. Switching “on” and “off” while riding is easy. When the motor is off, the bike works normally and without resistance. Thanks to its retrofit kit, it is almost irrelevant what brand of bike you have.

Product Attributes

The Electronic Control

State of the art technology has been incorporated into the intelligent control electronics. Communication between motor and cyclist is extraordinary. The motor increases its performance output as your own energy dwindles and vice versa. Activation is without sensor, through a printed circuit board and without a cooling element! The particularly short and compact design allows for its installation in special seat posts and especially small bikes (short seat posts)! The electronics can be read and programmed at any time without removing the unit.

The Gear

A novel installation method, which makes dismantling the Hollowtech II crank unnecessary, allows for precise positioning of the spiral-toothed bevel gear (bevel wheels) and guarantees wear-free operation. With the help of a clever and patented special tool, installing the retrofit kit is child’s play. Errors in assembly are therefore virtually eliminated and installation time considerably reduced!

The Battery

Battery cells of the latest generation. Mini design weighting a sensational 800 g up to 1,5 hours run time. Battery parameters can be read out (capacity, number of charge cycles, records of overloading, deep discharge and extreme temperature values

Präsentation on Eurobike 2011

The revolutionary concept will be presented on Eurobik 2011 - on the new branded both with vivax Design. The developers have many more ideas up their sleeves and the vivax team look forward to the new challenges ahead!



Electronic Control



Battery



Gear