

eBike ABS 2019



BOSCH
Invented for life

REINVENTING SAFETY: THE BOSCH eBIKE ABS

FEEL THE FLOW

Bosch eBike Systems | EN
[bosch-ebike.com/abs](https://www.bosch-ebike.com/abs)





Greater safety, improved stability

Modern and powerful braking systems have an optimised braking behaviour which can significantly reduce stopping distances. An innovative ABS for eBikes is the logical consequence of this development. These are the benefits you can expect from the world's first ever series-production eBike ABS:

Safety advantages

- ▶ Allows you to use the front brake with more confidence.
- ▶ Optimised riding stability and control of your eBikes, especially when riding on slippery roads.
- ▶ When the front wheel is significantly overbraked, the rear wheel lift control reduces the risk of an accident.

The first eBike ABS from Bosch introduces a clear improvement in safety and riding enjoyment.

The first Bosch eBike ABS

With the intelligent Bosch eBike ABS, Bosch is launching the first standard anti-lock braking system for pedelecs on the market. This once again underlines Bosch's expertise and pioneering role in the field of two-wheeled ABS.

- ▶ Bosch has been an expert in ABS systems and a market leader in motorbike safety systems for over 40 years. The eBike ABS was developed on the basis of the already established motorcycle ABS.
- ▶ The new Bosch eBike ABS offers added safety for critical braking on a wide variety of road surfaces.



1

ABS control unit (with housing)



2

ABS indicator light



3

ABS wheel speed sensor



4

Magura brake lever



5

Magura ABS sensor disc + brake disc

Development partnership



Long-term Bosch partner Magura is providing support as a development partner for brake technologies. The Magura brake (Magura CMe ABS) and the Bosch eBike ABS are coordinated for optimum efficiency.

The Bosch eBike ABS in use

The new Bosch eBike ABS will be available from retailers from autumn 2018. You will find the appropriate combinations tailored to your needs with our product lines for trekking and city bikes with 28-inch wheels.

We believe in a new level of safety on the road. You can try out the new Bosch eBike ABS for yourself at your local dealer.

bosch-ebike.com/abs



A perfect combination

Front-wheel ABS

Wheel speed sensors monitor the speed of both wheels. The Bosch eBike ABS regulates the brake pressure if the front wheel locks up when the brake is applied too forcefully, thus optimising the riding stability and control of the eBike – especially in slippery road conditions. Regulated and sensitive braking behaviour significantly increases control, stability and safety.



Rear wheel lift control

The rear wheel lift control of Bosch eBike ABS reduces the chances of the rear wheel lifting from the ground. The Bosch eBike ABS is especially effective when the front wheel brake is applied forcefully, especially on a grippy surface. The intelligent rear wheel lift control reduces the probability of an accident. This enables you to use the front brake more safely and efficiently under extreme braking.



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