

Bosch eBike ABS

AVAILABLE
FROM
AUTUMN
2018

Bosch eBike Systems 2018
EN



BOSCH
Invented for life



Greater safety, improved stability

Modern and powerful braking systems have optimised braking behaviour and braking distance. An innovative ABS for eBikes is the logical consequence of this development. And that's what you get from the world's first ever series-production eBike ABS:

Here is your safety plus

- ▶ This allows you to use the front brake more actively and efficiently.
- ▶ Optimised driving stability and manageability of your eBike, especially with slippery road conditions.
- ▶ When the front wheel is excessively overbraked, the rear wheel lift control reduces the probability of a rollover.

The first eBike ABS from Bosch brings a clear plus of safety and riding fun.

The first Bosch eBike ABS



1

ABS control unit (with housing)



2

ABS control light



3

ABS wheel speed sensor



4

Magura brake lever



5

Magura ABS sensor disc + brake disc

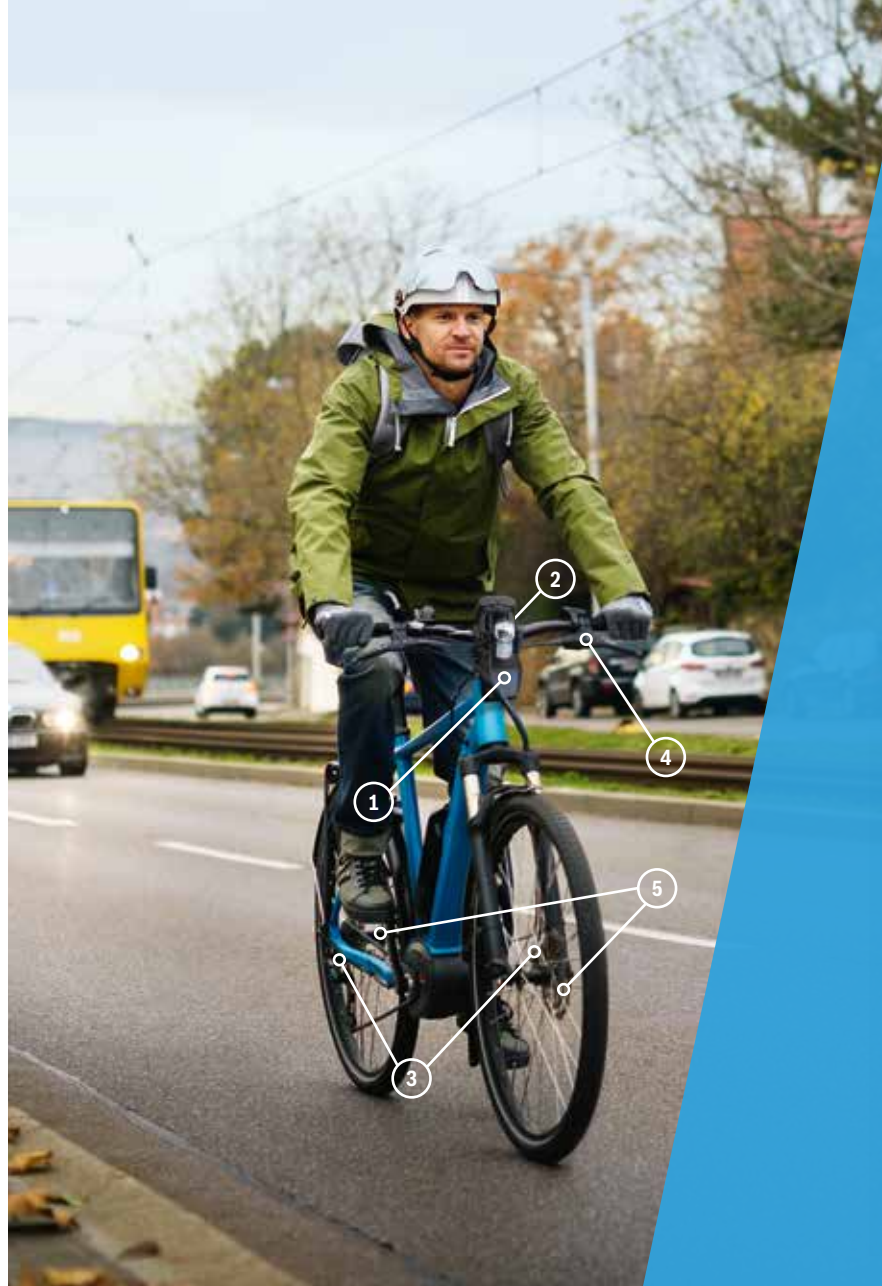
With the intelligent Bosch eBike ABS, Bosch is launching the first standard anti-lock braking system for pedelecs on the market. This once again underlines Bosch's expertise and pioneering role in the field of two-wheel ABS.

- ▶ 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 ABS motorcycle.
- ▶ The new Bosch eBike ABS offers added safety for critical braking on a wide variety of road surfaces.

Development partnership with



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.



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The Bosch eBike ABS in use

The first eBikes with ABS included will be on the road with selected fleet partners from autumn 2017 onwards. The Bosch eBike ABS will be used in 2017 for the Performance Line Cruise and Speed in combination with the Intuvia on-board computer in trekking and urban eBikes. Bosch eBike ABS will be widely available for purchase from autumn 2018.



A perfect combination

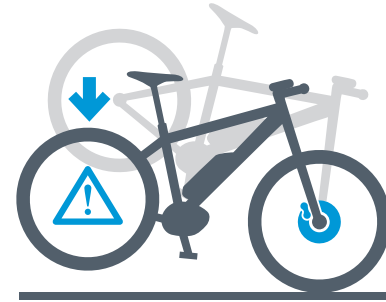


ABS for the front wheel

Wheel speed sensors monitor the speed of both wheels. If during strong braking the front wheel is on the verge of blocking, the Bosch eBike ABS takes control and optimises the riding stability and maneuverability of the eBike – especially under slippery road conditions. Harmonious and sensitive braking behaviour significantly increases control, stability and safety.



Improved maneuverability and stability – even in difficult and wet conditions.



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 very forcefully, especially on a non-slip surface. This intelligent rear wheel lift control reduces the probability of overrun. This allows you to use the front brake more actively and efficiently.



A combination of front wheel ABS with rear wheel lift control increases your safety.

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