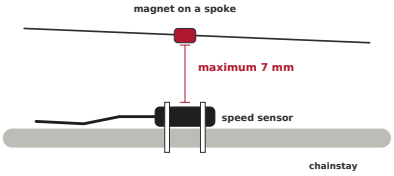
INSTALLATION GUIDE

Fitting the speed sensor

For the universal Van Beijck speed sensor at the rear wheel, with spoke magnet.



In the box

- Speed sensor with cable (1100 mm)
- Spoke magnet
- Cable ties

What you need

- Side cutters

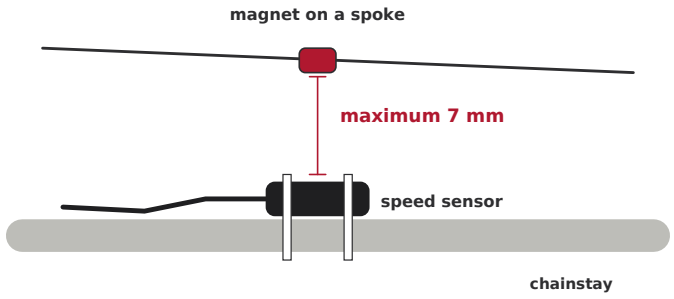
Safety first
Disconnect the battery before working on cables, the controller or the motor. Make sure the bike stands firmly, preferably in a work stand. In doubt? Have the installation done by a bike shop or a Van Beijck dealer.

Step by step

1 Choose the position
The sensor goes on the chainstay by the rear wheel. Choose a spot from which the cable can easily reach the controller.

2 Secure the sensor
Fix the sensor to the chainstay with the cable ties. Not fully tight yet, so you can still slide it.

3 Fit the magnet
Fit the magnet on a spoke, directly opposite the sensor.



Maximum 7 mm gap
The gap between the magnet and the sensor must be no more than about **7 mm**. If the gap is larger, the sensor does not detect the magnet. The motor then does not receive the correct speed and keeps running into the limiter.

4 Adjust and tighten
Turn the wheel slowly and check that the magnet passes close to the sensor on every revolution without touching it. Then pull the cable ties tight and cut off the ends.

5 **Route and connect the cable**

Route the cable along the rear stay to the controller and secure it with cable ties. Connect it to the speed sensor plug (dark green) on the controller.

6 **Test**

Lift the rear wheel and spin it: the display now shows the speed.

Check after fitting

- ☐ Sensor and magnet are firmly fixed
- ☐ Magnet does not touch the sensor
- ☐ Display shows the speed
- ☐ Maximum 7 mm between magnet and sensor
- ☐ Cable is secured and cannot get into the spokes