Always in the right gear – wherever you are

Pure riding pleasure with the FAG VELOMATIC automatic bicycle gearshift system
The German Federal Statistics Office estimates that cyclists will cover 24.8 billion km in 2015. And to ensure pure riding pleasure for every single kilometer, Schaeffler has developed the FAG VELOMATIC gearshift system.

You can use the corresponding VELODAPTIC app to create customized shifting programs that allow you to relax and enjoy your cycle ride in comfort and safety – so you can unwind and let the automatic gearshift system do the rest.

**The perfect combination:**

FAG VELOMATIC & VELODAPTIC

- For every BICYCLE TYPE
  - Conventional bikes and e-bikes
- For every DRIVE
  - Derailleurs and hub gears
- For every RIDING SITUATION
  - Uphill, downhill, straight, and stop-and-go
- For EVERYONE
The heart: The **FAG VELOMATIC** ...

...that beats for top-class riding comfort.

Whether traveling straight, going uphill or downhill, on a conventional bike, with a derailleur or hub gears, or on an e-bike, the **FAG VELOMATIC** automatic bicycle gearshift system always calculates the optimum gear and the perfect shifting point based on the cadence, force, wheel speed, and gradient. This ensures excellent riding comfort with maximum flexibility.

The **FAG VELOMATIC** is so comfortable to use that you can even shift gears manually.

**Take control any time you want.**

**Automatic mode**

You don’t have to shift gears yourself, but the **FAG VELOMATIC** gearshift module allows you to intervene at any time when in automatic mode.

**Get in gear all by yourself.**

**Manual mode**

You shift gears manually, e.g. when you want a sportier ride.

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The electric gearshift module communicates wirelessly with the **FAG VELOMATIC** via ANT+. Safety is king – the gearshift module is easy to operate while riding.
**Individual gearshift intelligence inside.**

With the VELODAPTIC app, you can create customized shifting programs to suit your riding style: That means everyone always stays in the right gear, without having to shift manually. The app accompanies you on the road and records your GPS, movement, and performance data.

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**Always in the right gear: The VELODAPTIC app**

A clear overview is important. The cockpit displays three sets of movement data, which the user can click through.

The rider can choose between daytime and nighttime mode, depending on the light conditions.

Map function with route planner

Statistical data can also be exported to a home computer

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**Movement data**

- Speed
- Cadence
- Force
- Torque
- Uphill/downhill gradient
- Distance
- Position
- Compass function

**GPS data**

- Location

**Statistical evaluations**

- Kilometers traveled
- Altitude in meters
- Calories burned
- Force used
- Cadence
- Torque
- Average speed/top speed

Available for tablet computers and smartphones

Flexible display

Social media connection: Share your routes and profiles*

*Being planned
This innovative Schaeffler solution scores points with its intelligence, precision, efficiency, and sheer flexibility. It provides maximum individual configurability – for every bicycle type, every drive system, and every riding situation. And fun comes as standard!

**Intelligence**
- Special algorithms calculate the ideal shifting point at all times
- Sensors for uphill and downhill gradients
- Situation-based gear shifting: The riding situation is calculated in advance
- The VELODAPTIC app displays movement data, provides statistical evaluations, and allows individual shifting programs to be created and exchanged

**Precision**
- Rapid and precise shifting
- Prevents gearshift errors
- Smooth shifting with no noticeable transitions

**Efficiency**
- Low weight and compact design
- Makes sparing use of the e-bike’s battery and thus provides more range, so cyclists can enjoy riding for longer
- Prevents premature wear on the bicycle’s chain and gearshift system
- Cyclists’ endurance gets a boost and longer routes become easier

**Flexibility**
- Compatible with components from other manufacturers thanks to open standards
- Suitable for conventional bicycles and e-bikes, and for derailleurs and hub gears

In perfect harmony
The FAG VELOMATIC is connected to the drive, the FAG VELOMATIC gearshift module, and the VELODAPTIC app on the rider’s smartphone via the communication module.
Every care has been taken to ensure the accuracy of the information in this publication. However, no liability can be assumed for any omissions or errors. We reserve the right to make technical changes.

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