



To make correct use of the potential offered by E-MTBs, it is essential that tyres can withstand the extra energy generated by them. Schwalbe offers a wide array of products for E-MTBs.

Photo: Schwalbe / Markus Greber

Schwalbe offers an entire range of tyres for E-MTBs:

Well equipped for the extra energy

The e-mountain bike is on a fast and steep trajectory right to the very top, and that's not just on the mountain, but also on the market! Schwalbe will be presenting the Nobby Nic and Smart Sam models at Eurobike in a new "Performance Double Defense" version developed specifically for the E-MTB.

Experience, speed, fun - and a little bit extra from all of them: The motorised assistance allows completely new goals to be achieved. There are so many reasons to make the switch to E-MTB, especially for less experienced riders. Getting to the top without taking the cable car; taking a cycling tour with your partner, the kids or with friends who all have different levels of fitness. Anyone who has felt the electric wind at their back will not want to go without it ever again! E-MTB is not only for these riders. The e-bike is increasingly being discovered by more ambitious mountain bikers. They enjoy the fun provided by the extra push out on the trail. They enjoy the new "uphill flow".

The strong mechanical forces that this puts on the tyres means that they need to be more robust.

The tyres are really pushed to their limit. "Normal MTB tyres can only deal with this extra energy to a certain extent", says

Markus Hachmeyer, Schwalbe Senior Product Manager. In order to meet this challenge, Schwalbe is now launching two MTB models Nobby Nic and the Smart Sam in the new "Performance Double Defense" version.

The stronger forces take their toll on the material. The bikes are far heavier and have a massive amount of torque. In order to be able to make any use of the bikes' potential, it requires a lot more grip. An improved durability is also required in order to be able to withstand the increased stresses. The new, high-quality silica compound has been developed to cope with extreme stresses, and can meet both these requirements as a result.

Two additional layers of fabric - a layer from bead to bead as well as a further layer under the tread ensures the significantly increased stability, as well as providing the required improvement in puncture protection. These layers support the entire structure and offer increased protection for the side walls of the tyres against puncturing.

Smart Sam: Completely renewed and in performance DD
Schwalbe gives the all-rounder Smart Sam a complete makeover. It is now more aggressive and better suited to riding off-road than its predecessor and has more grip on the lateral studs. "A lot of riders wanted this robust off-road character, up to now its look came across as being a bit too "tame" for them", said Markus Hachmeyer.

With the new Smart Sam, e-mountain bikers are guaranteed a top-quality e-mountain bike tyre: it was certified in accordance with the ECE-R75 mark of conformity for fast e-bikes in the Performance Double Defense version and also Smart Sam Plus with GreenGuard version.

A perfect pair: E-MTB and 27.5+

That's perfect: The trend towards wider tyres and the 27.5+ size have come along just at the right time for the E-MTB. "The bikes often have a thicker frame and also have to carry a motor and battery. This means that the plus tyres are not only a perfect match for the E-MTB in terms of the look, but also technically", said Markus Hachmeyer.

Nobby Nic's new optional Apex versions offer even greater stability for the 27.5+ tyres (sizes: 65-584, 70-584, 75-584). The tyres with the reinforced bead area are 65 percent more resistant against snake bites compared to the normal version.

On the safe side with the ECE mark of conformity Tyres that are mounted on fast e-bikes (up to 45 km/h) must be certified with the ECE-R75 mark of conformity. At Schwalbe this applies for all MTB tyres in the Performance DD design version, as well as certain other models distinguishable by their e-bike Ready 50 label. These tyres that are approved for faster e-bikes are naturally also a good choice for riders of normal E-MTBs up to 25km/h. Markus Hachmeyer: "They should also pay attention to ensure that the tyres can withstand the increased stresses. Therefore with ECE-R75, all E-MTB riders are on the safe side!"

The tyres with the new specifications are available at specialist bike retailers from autumn 2016 and will cost €32.90.

An overview of Schwalbe tyres for the E-MTB

Nobby Nic	Smart Sam	Smart Sam Plus	Marathon Plus MTB	Super Moto-X
60-559 26 x 2.35 Performance DD	57-584 27.5. x 2.25 Performance DD	57-559 26 x 2.25 GreenGuard	54-559 26 x 2.10 SmartGuard	62-584 27.5. x 2.40 GreenGuard
60-584 27.5. x 2.35 Performance DD	65-584 27.5 x 2.60 Performance DD	57-584 27.5. x 2.25 GreenGuard	57-559 26 x 2.25 SmartGuard	70-584 27.5 x 2.80 RaceGuard
60-622 29. x 2.35 Performance DD	57-622 29 x 2.25 Performance DD	54-622 29 x 2.10 GreenGuard	54-584 27.5. x 2.10 SmartGuard	
60-584 27.5 x 2.35 Evolution Line		57-622 29 x 2.25 GreenGuard	57-584 27.5. x 2.25 SmartGuard	
			54-622 29 x 2.10 SmartGuard	

All the tyres carry the ECE-R75 mark of conformity for fast e-bikes up to 45 km/h.