

Thank you for deciding to buy your new stem from our company.

! Compare the level number on the stem with the adjacent table in order to check whether it is suitable for the intended use.

! Before use please read the following assembly and safety instructions carefully. Keep them in a safe place and pass them on to the next owner if necessary.

Assembly

Basic technical knowledge is required for the assembly of this product. If you do not have this knowledge, please use the services of a specialist bicycle dealer.

- Check that the external diameter of the stem quill fits the internal diameter of the steer tube. There are 2 different sizes: with 1" steer tube: internal diameter 22.2 mm and with the 1 1/8" steer tube: internal diameter 25.4 mm. The external diameter of the stem clamp must fit the internal diameter of the steer tube.

- You should also check the thread length of the fork, which for safety reason must not be greater than 35 mm.

- Now you place the stem in the steer tube of the fork and adjust it until it is in line with the front wheel.

! For safety reasons the quill of the stem must be inserted into the steer tube of fork to a minimum depth of 65 mm.

- You now tighten the quill clamping screws **A** lightly with a 6 mm hexagonal key.

- Before assembly you should check that the handlebars and the stem are compatible.

- Also check that the difference in diameter between the clamping area of the handlebar and handlebar clamping section **B** of the stem is no greater than +0.2 mm.

! For safety reasons the stem should never be combined with carbon handlebars – risk of breakage!

! Make sure that the clamping areas are clean and free from grease.

- Now you place the clamping section of the handlebars in the centre of the handlebar clamping area **B** of the stem and tighten it slightly with a 6 mm hexagonal key.

- To adjust the angle of the stem you release the angle clamp screw **C** with two 5 mm hexagonal keys.

- Next you release wedge clamp screw **D** with a 5 mm hexagonal key and release the wedge clamp.

- After you have adjusted the angle to your individual requirements you tighten the wedge clamp screw **D** to a tightness value of 18 - 20 Nm.

! Please make sure that the two sets of indentation fit correctly.

- Next you tighten the angle clamp screw **C** to a tightness of 14 - 16 Nm.

- Now you adjust the grip ends and the handlebar position to your individual requirements.

- Next tighten the three handlebar clamping screws **E** on the stem evenly and crosswise to a tightness value of 12 - 14 Nm.

! For safety reason the max. tightness value of 14 Nm must not be exceeded.



Safety instructions

The tightness of the bolts must be checked after approx. 500 km and once more during the regular service intervals (with once a year as a minimum).

! This stem is not suitable for mountain biking or competitions. The heavy demands could lead to breakage.

! Do not fasten any additional weights such as a child's seat or luggage rack to the stem. This could lead to excessive strain and cause the stem to break.

! To prevent the risk of a fall or accident, the stem must always be replaced if it has been damaged.

Lenksystem
Steering system



Sattelstütze
Seatpost



Mountain-Bike/Race-Bike

Safety Level

	max. 100 kg	max. 100 kg	1	2	3	4	5	6
	max. 120 kg	max. 120 kg	1	2	3	4	5	6
E-BIKE	max. 100 kg	max. 100 kg	1	2	3	4	5	6
25 km/h + 45 km/h	max. 120 kg	max. 120 kg	1	2	3	4	5	6

Trekking-Bike

Safety Level

	max. 100 kg	max. 100 kg	1	2	3	4	5	6	
	max. 120 kg	max. 120 kg	1	2	3	4	5	6	
	max. 140 kg	max. 140 kg	1	2	3	4	5	6	
	max. 160 kg	max. 160 kg	1	2	3	4	5	6	
E-BIKE	25 km/h	max. 140 kg	max. 100 kg	1	2	3	4	5	6
E-BIKE	25 km/h	max. 160 kg	max. 140 kg	1	2	3	4	5	6
E-BIKE	45 km/h*	max. 140 kg	max. 140 kg	1	2	3	4	5	6
E-BIKE	45 km/h*	max. 160 kg	max. 140 kg	1	2	3	4	5	6

City-Bike

Safety Level

	max. 100 kg	max. 100 kg	1	2	3	4	5	6	
	max. 120 kg	max. 120 kg	1	2	3	4	5	6	
	max. 140 kg	max. 140 kg	1	2	3	4	5	6	
	max. 160 kg	max. 160 kg	1	2	3	4	5	6	
	max. 180 kg	max. 180 kg	1	2	3	4	5	6	
E-BIKE	25 km/h	max. 140 kg	max. 100 kg	1	2	3	4	5	6
E-BIKE	25 km/h	max. 160 kg	max. 140 kg	1	2	3	4	5	6
E-BIKE	25 km/h	max. 180 kg	max. 160 kg	1	2	3	4	5	6
E-BIKE	45 km/h*	max. 140 kg	max. 140 kg	1	2	3	4	5	6
E-BIKE	45 km/h*	max. 160 kg	max. 140 kg	1	2	3	4	5	6

Jugend/Young adult

Safety Level

	max. 100 kg	max. 100 kg	1	2	3	4	5	6
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Kinderrad/Youth-Bike

Safety Level

12"-24"	1	2	3	4	5	6
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The product classification of the ergotec Safety Level corresponds to the DIN EN ISO 4210 norm for bikes and DIN EN 15194 for e-bikes. E-bike-type: pedal assist up to the indicated speed.

* Retrofitting only with the approval of a recognised certifying body and entry in the documents for the bike.

Guarantee

For **ergotec** stems the following guarantee periods apply:

- with safety level 6 **6 years or 35,000 km**
- with safety level 5 **5 years or 30,000 km**
- with safety level 4 **4 years or 25,000 km**
- with safety level 3 **3 years or 20,000 km**
- with safety level 2 **3 years or 15,000 km**

Guarantee claims should be processed through a specialist bicycle dealer.