

ergotec

Quill-stem QAS Ahead-stem QAS

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

! 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.

Quill-stem

- Check that the external diameter of the Quill-stem fits the internal diameter of the fork. There are 2 different sizes:
for 1" fork: internal diameter 22.2 mm and
for 1 1/8" fork: internal diameter 25.4 mm.
The external diameter of the stem has to fit the internal diameter of the fork.
- You should also check the thread length of the fork, which must not be more than 35 mm for safety reasons.
- Before fitting the stem the quick-release lever must be opened. You press safety catch **A** and pull the quick-release lever **B** upwards.
- Before you fit the stem it should always be treated with water-resistant grease, because otherwise it could be difficult to make adjustments later.
- Now you insert the stem into the fork and adjust it, so that it is aligned with the front wheel.

! For safety reasons the stem must be inserted at least 65 mm into the fork.

- Now you tighten the stem clamping screw **C** to a value of 21 - 23 Nm.
- After you have tightened the stem clamping screw, you press the quick-release lever **B** down again.

Ahead-stem

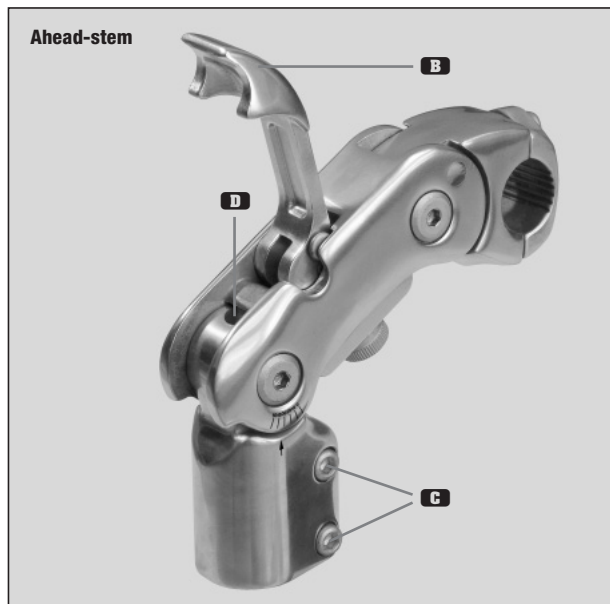
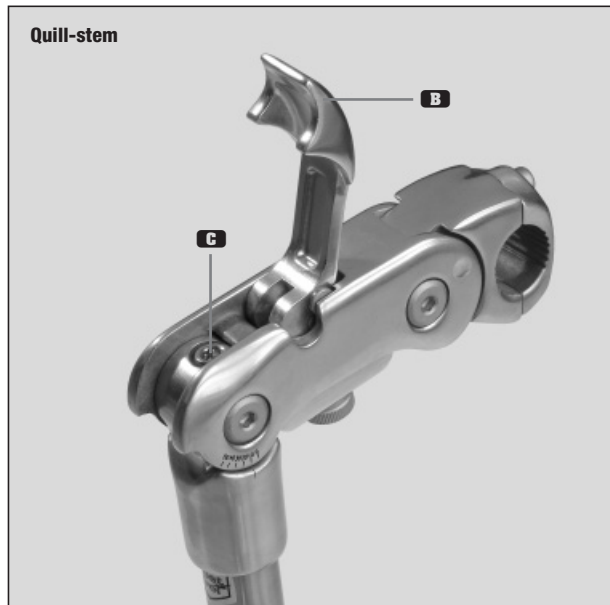
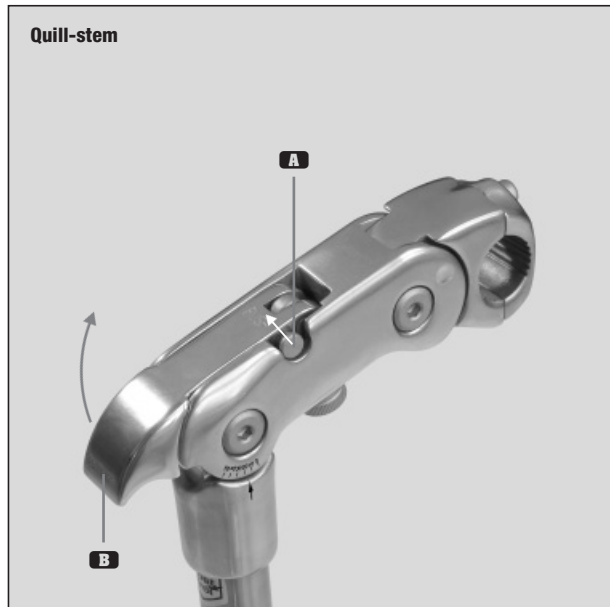
- Check that the internal diameter of the Ahead-stem clamp (28.6 mm) fits the external diameter of the fork. There are 2 different sizes:
for 1" fork: external diameter 25.4 mm and
for 1 1/8" fork: external diameter 28.6 mm.
The internal diameter of the stem clamp has to fit the external diameter of the fork.
- Before fitting the stem the quick-release lever must be opened. You press safety catch **A** and pull the quick-release lever **B** upwards.
- Now place the stem on the fork and adjust it, so that it is aligned with the front wheel.

! For safety reasons the fork must be no more than 2 mm shorter than the stem clamp.

- Now place the adjusting screw to adjust the play of the steering bearings into the slot **D** and adjust the play in accordance with the instructions of the assembly and safety instructions provided by the manufacturer of the steering bearings.

! For this purpose you should use a screw with a minimum length of 60 mm and a washer with an external diameter of at least 11.6 mm.

- Now tighten the stem clamping screw **C** evenly to a tightness value of 15 - 17 Nm.
- After you have tightened the stem clamping screw you press the quick-release lever **B** downwards again.



Handlebars

- Before assembly you should check that the handlebars and the stem are compatible.
- You should also check that the difference in diameter between the clamping area of the handlebars and the handlebar clamp **E** of the stem is no greater than +0,2 mm.

! For safety reasons the stem should not be combined with carbon handlebars, because there could be breakage!

! Make sure that the areas to be clamped are clean and free from grease!

- Now place the clamping area of the handlebars centrally in the handlebar clamp **E** of the stem and fix it lightly into position.
- To adjust the angle of the stem you open the quick-release lever **B**.
- After you have adjusted the stem to your individual requirements, you push the quick-release lever **B** down again.
- Now adjust the bar ends or handlebar position to your individual requirements.
- Now tighten the handlebar clamping screws **F** to a tightness value of 14 - 16 Nm.

! For safety reasons the max. tightening value of 16 Nm should not be exceeded.

Adjustment

The newly developed Double-Link system offers the possibility of adjusting the position of the stem and the handlebars without tools.

- For adjustment you press safety catch **A** and pull the quick-release lever **B** upwards.
- After you have tightened the stem and/or handlebars, you press the quick-release lever **B** down again.

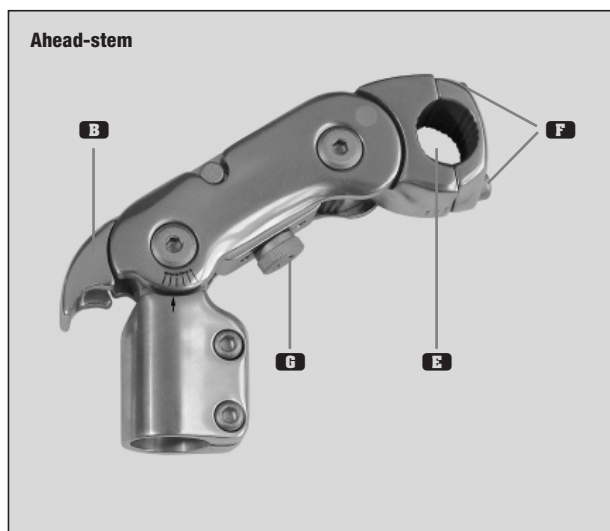
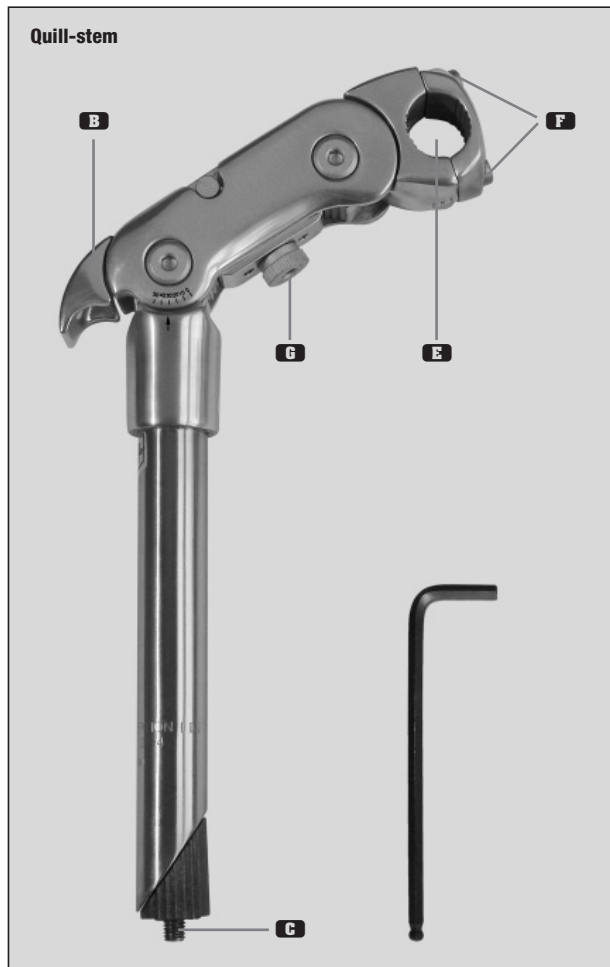
! Make sure that the tothing of the clamping wedge fits into the tothing of the two joints and the quick-release lever is closed with sufficient tension.

Maintenance

To ensure high performance, safety and long useful life, regular maintenance is required after approx. 10 adjustments or at least 1 x per year.

- For this purpose check that there is no play in the tothing and that the quick-release lever **B** can be closed with sufficient tension.
- If there is play or lack of tension you should turn the adjusting screw **G**, which is located on the underside of the stem, a few turns in a clockwise direction.

! Make sure that there is no play in the tothing and that the quick-release lever can be closed with sufficient tension.



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).

! The stem is not suited to mountain biking or competitions. The extreme demands could lead to breakage.

! Do not adjust the angle of them stem during the ride. This could cause a fall.

! For safety reasons the stem must always be replaced if it has been damaged.

Guarantee

The guarantee is subject to the applicable regulations. Any claims under the guarantee should be submitted through a specialist bicycle dealer.