Instructions
Adjustment of Steeltrack focuser

Warning, please note:

- Adjusting a focuser can be very tricky. We recommend always making only small adjustments / turning screws by a small amount in order to be able to gradually home in on the perfect setting.
- Too large adjustments will give rise to a result that is uncontrollable.
- Screws should never be tightened too firmly, as mechanical parts, such as ball bearings, could be subjected to high loads and thereby destroyed. In such a case, the warranty will become null and void.
- During the adjustment procedure, no heavy accessories may be attached - the focuser tube is loose and could slip out.

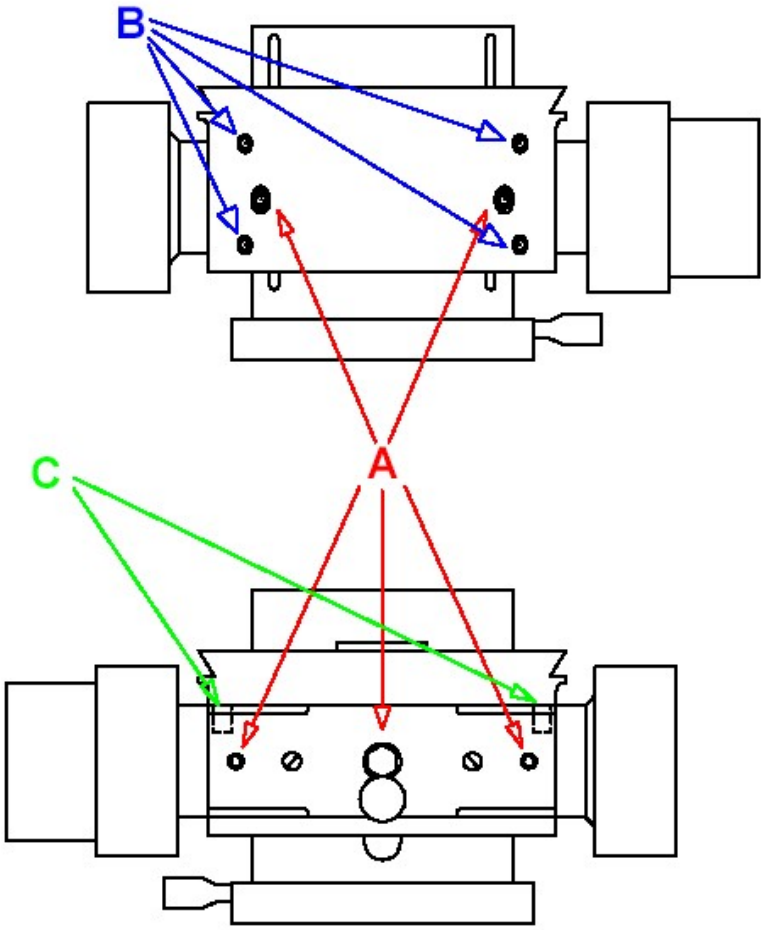
Adjustment procedure:

Loosen all the screws, on the top and underside, which are marked by an **A** on the diagram, initially by half a turn.

After this, you will be able to tilt the focuser tube via the screws indicated by a **B**. These screws bear directly on each of the four ball bearings and make it possible to individually increase the pressure against the focuser tube for each of the ball bearings (assuming the **A** screws have been loosened accordingly!)

So if you want to, for example, tilt the focuser tube upwards, the two front **B** screws must slightly tightened and both the rear **B** screws loosened by the same amount. If the focuser tube is to be shifted to the right or left, the corresponding **B** screws should be tightened on one side and loosened by the same amount on the opposite side.

Once you have made the adjustment, the **A** screws should be tightened up again and the result checked. If you have carried out a larger adjustment, it may be that you also have to retighten the **C** screws.



In the case that optimal adjustment has not yet been achieved, you should repeat the procedure. After a short time, you will develop a feel for how the interaction of the various adjusting screws functions. In each case, you should be sure not to continue increasing the pressure in the same direction without relieving it in the opposite direction accordingly in order to avoid damage to the ball bearings. Right at the beginning of the procedure, you should take note of the force required to pull out the focuser tube against the existing contact pressure. This force should not be substantially exceeded to avoid damaging the mechanism.

BAADER PLANETARIUM GMBH
Zur Sternwarte • D-82291 Mammendorf • Tel. +49 (0) 81 45 / 88 02 • Fax +49 (0) 81 45 / 88 05
Baader-Planetarium.de • kontakt@baader-planetarium.de • Celestron-Deutschland.de