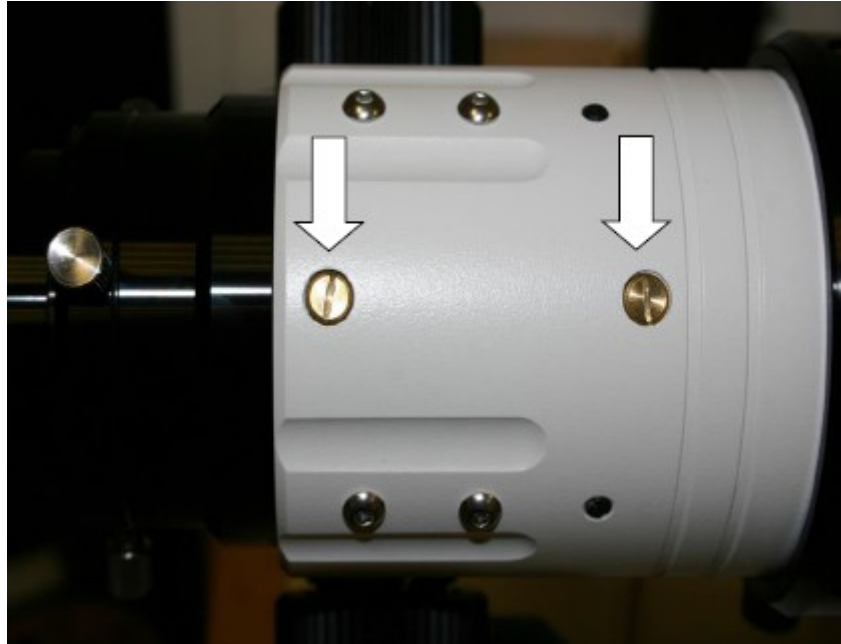


Adjusting the focuser

The large RPA 2.5" focuser from TS is characterized by enormous rigidity and high precision. In order to be able to use these advantages, the focuser must be correctly set and adjusted on the bearing surfaces and the focusing shaft. If this should not be the case, you can easily restore it to working condition yourself:

Adjustment of the tilting:

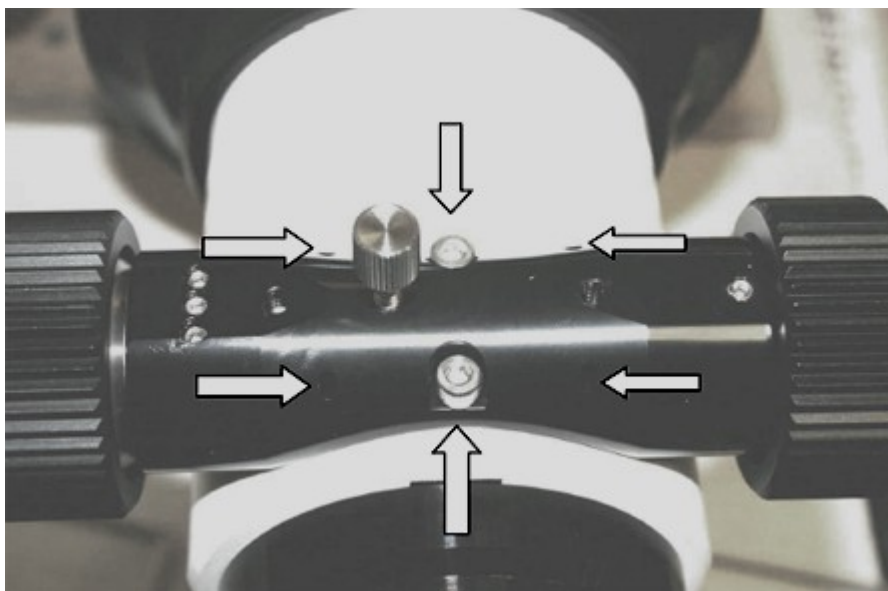
If your focuser tilts slightly when focusing, adjust the bearing surface guide using the two brass screws marked in the picture. Please take your time to do this and only make small, delicate adjustments, as just 1/20 of a turn can change a lot. Please be sure to use an adequately sized screwdriver. Screwdrivers that are too small will only damage the screws and make the adjustment more difficult.



Adjustment of the gear drive:

If focusing feels a bit jerky or uneven, usually only the distance between the rack and the focusing shaft needs to be optimized.

First loosen the two cylinder head screws in the center (vertical arrows) a little (about 1 turn).



Next, tighten the four recessed grub screws to the left and right of it (horizontal arrows) a little.

In this way, the focusing shaft is moved a small distance away from the draw tube and thus the rack, and the running of the focusing should have become smoother. If this does not remedy the situation, loosen the 4 grub screws a little more than they were initially tightened, then retighten the two cylinder head screws. The focuser should now run more smoothly. Several attempts may be required to achieve the optimum setting.

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