

Setting Focuser Tension on the Lunt LS60T

The Lunt LS60T Solar Telescope owned by BRAS has a Crayford focuser, which is friction driven. The amount of tension placed on the mechanism may loosen over time, or may need to be adjusted depending on the weight of the eyepiece or camera attached to the back end. Insufficient tension will cause the focusing drawtube to slip.

Tension may be adjusted with a setscrew using the 2mm Allen wrench in the kit. **The tensioning setscrew is circled in red in the photograph below.** The knurled thumbscrew below that in the photo (inside the blue rectangle) is the focus lock screw, which locks the focusing drawtube in place. Be sure the focus lock screw is loose enough before attempting to adjust the tensioning setscrew. Also tighten the tension setscrew only enough to serve your purpose and in small increments ($\frac{1}{8}$ to $\frac{1}{4}$ turn), testing as you go.

