

## Q-FOCUSER-MLXGPS, Q-FOCUSER-MLXACF, Q-FOCUSER-MLXCLASSIC INSTALLATION INSTRUCTIONS

Installation of the Q-Focuser-MLXGPS, Q-Focuser-MLXACF, and Q-Focuser-MLXClassic bracket is straightforward and requires only a few simple steps.

Tools needed: 7/64 hex key, 1.5mm hex key, 2.5mm hex key (not provided).

**VERY IMPORTANT:** Before installing the bracket, position the focuser so that the scope is roughly in focus.

As the focuser moves there is an internal screw that also travels in and out. The Q-Focuser bracket is designed to allow for some of this travel around the focus point, but does not allow for the full outward focuser travel. Prior to installing the bracket make sure the scope is roughly in focus.

1. Remove the large silver focus knob from the Meade focuser.
2. Keeping one hand on the focuser, remove the three screws that hold the focuser onto the scope backplate. Leave the black ring in place.
3. Using the provided 6-32x1/2" socket head screws, attach the bracket to the scope backplate.
4. Slide the coupler onto the brass focuser pinion shaft, but do not tighten the set screws yet.
5. Slide the Q-Focuser pinion into the coupler. Rotate the focuser pinion shaft so that the flat on the Q-Focuser pinion shaft matches the flat in the coupler. Do not tighten the set screws yet.
6. Attach the Q-Focuser to the bracket using the QHY supplied M3x10mm socket head screws.
7. Adjust the position of the coupler if needed so that the set screws at both ends fully contact both pinion shafts. Tighten all set screws, being careful not to over tighten the screws.

Please inform of any additions or corrections to these directions by sending an email to [buckeyestargazer@gmail.com](mailto:buckeyestargazer@gmail.com)