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Q-FOCUSER-REDCAT71
INSTALLATION INSTRUCTIONS

Installation of the Q-Focuser-Redcat71 bracket is straightforward and requires only a few simple steps.
Tools needed: Philips screwdriver, 1.5mm hex key, 2.5mm hex key, 4mm hex key (not provided)

STEP 1

- Remove the telescope from the rings and slip the belt onto the telescope.
- Place the telescope back in the rings and make sure the telescope is slid all the way forward. The rear ring needs to be against the rear stop of the telescope.

STEP 2

- Remove the handle from the top of the telescope.
- Locate included (2) M6x12mm button head screws. Attach the bracket underneath the handle using the two M6 threaded holes immediately to the rear of the long slot in the handle. While not critical, try to align the bracket so it is perpendicular to the handle.

- Mount the handle/bracket onto the telescope with the “cat” toward the front of the telescope.

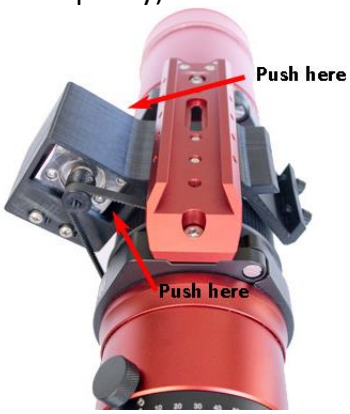
STEP 3

- Install the Pulley onto the Q-Focuser pinion shaft and secure with two set screws using a 1.5mm hex key. Do not overtighten the set screws.
- Slide the Q-Focuser into the bracket so that it is closest to the telescope. Locate (2) M3x5mm and (2) M3x10mm socket head screws included with the Q-Focuser, and (4) M3 washers. Loosely secure the Q-Focuser to the bracket with the washers and M3x10mm screws on the front and the M3x5mm screws on the top/side.

- Slip the belt over the telescope GT2 gear and the Q-Focuser pulley.

STEP 4

- To put tension on the belt, pull away from the telescope on the Q-Focuser body from both ends (pulley and back end) until there is a <u>little</u> tension on the belt.
- To fully tension the belt, move the Q-Focuser further outward by pushing on the body of the Q-Focuser only (not the pulley) from the front and rear of the Q-Focuser.



- While keeping a small amount of force on the front body of the Q-Focuser, secure the Q-Focuser to the bracket by fully tightening the four M3 screws. The belt should be taut but not rigid.

!! IMPORTANT !!

- Make sure to loosen the Focuser Tension Ring so that the focuser can move freely.