# EAF-REDCAT51 INSTALLATION INSTRUCTIONS

Installation of the EAF-Redcat51 bracket is straightforward and requires only a few simple steps.

STEP 1

- Install the Pulley onto the EAF pinion shaft and secure with two set screws. Do not overtighten the set screws. (Note: a 1.5mm hex key is needed, not provided)
- Slide the EAF into the bracket housing and secure with included (2) M4x10mm pan head screws.

STEP 2

- Locate included (2) M4x16mm flat head screws.

- Using the two outside slots on the bracket and outside holes on the Redcat mounting ring, <u>loosely</u> fasten the bracket to the mounting ring.

- As viewed from the *front* of the scope, slide the bracket all the way to the right side.

STEP 3

- Place the belt around the scope and pulley.
- As viewed from the *back* of the scope, slide the bracket toward the right until tension is placed on the belt. The belt should be taut but not very rigid.
- While holding the bracket, tighten the two M4x16 flat head screws. These screws should be tight, but do not overtighten.

- TIP: since the increasing tension on the belt tends to make the bracket move a little out of "square", hold the bracket at the front left corner while applying pressure as you tighten the screws. This pulls the bracket in the right direction. Try to make the rear of the bracket and rear of the Redcat mounting ring parallel/flush with each other.

STEP 4

- Locate included (2) M4x20mm and (2) M4x16mm pan head screws.
- STEP 4a - If using the William Optics handle/dovetail, use the M4x20mm screws to fasten the handle to the bracket and scope mounting ring.

- STEP 4b – If not using the William Optics handle/dovetail, use the M4x16mm screw to fully secure the bracket to the mounting ring.

**!! IMPORTANT !!**

- The EAF bracket should be secured to the Redcat mounting ring using ALL 4 MOUNTING HOLES on the top of the scope ring (Redcat 51 V1x and V2).
- Make sure to loosen the Focuser Tension Ring so that the focuser can move freely.

**VERSION NOTE**: There have been 3 versions of the Redcat 51. The original (V1) had two threaded mounting holes on the side of the scope ring. The later two versions (V1x and V2) have 4 threaded holes on the top of the scope ring. This bracket will work with V1x and V2. A bracket for the Redcat 51 V1 is available upon request by sending a message to buckeyestargazer@gmail.com.