

Sol'Ex, camera focus with stiffeners



On the left the motor control box

The focuser has two functions, stiffening Sol'Ex and supporting the engine.

The fixation including the two symmetrical plates and the ring on the ZWO helical eyepiece holder was proposed on the Sol'Ex list by Gilles Leroy.

https://drive.google.com/drive/folders/1wKxa_FFrP0awlb0r-Le1xkUWJgxMOKyo

The GT2 belt wheel comes from Julien Lecomte's focuser also seen on the list.

GitHub - jlecomte/ascom-oag-focuser: Open Source ASCOM-Compatible OAG Focuser For Astrophotography
I chose the belt drive for more precision.

I took the ring from the ZWO and added the motor mount. There is a 4mm ruthex on the side to secure the motor ring. A threaded rod encloses the two symmetrical stiffeners with the motor support ring. It will probably be necessary to play a little with sandpaper to adjust the two rings as not to have movement.

The turntable supports the 28BYJ-48 engine on which a small GT 2 sprocket is added. A GT2 belt 6 mm wide and 200 mm long connects the gear wheel to the engine.

The motor is fixed with two screws and two washers. The nuts are on the engine side that blocks them. Tighten the belt moderately when mounting so as not to weaken the small engine.

Good achievement to all,

Jean Brunet, Pascal Berteau, Stéphane Ferrier.