



## OpenAstroTech Samyang/Rokinon 135mm Cradle with Focuser Bracket



AstraObscura

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### Summary

This is a cradle and focuser bracket that fits the 135mm on the OAT.

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Tags: [camera](#) [lens](#) [dslr](#) [focuser](#) [samyang](#) [oat](#)  
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I was looking for a good solution to make the focuser motor work with my Samyang 135mm lens on the OAT. I decided to just design my own. I think this ended up working well.

There are two sets of rings, small and large. The small rings attach around the base of the lens, the larger ones attach nearest the end of the lens. This was designed to use heated inserts for plastics. Simply press them in using a soldering iron, you don't need much heat.

Attach the rings to the top bracket and the Arca Swiss bracket. One side should act as "hinges" while the other clamps together using the thumb screws (See the attachment for a better idea how this goes together). Wrap the belt around the pulley and the focus collar on the lens. Use the small clamp to clamp the belt tight.

## BOM:

- (6) m5x12mm screws
- (2) m3x12mm screws
- (2) m4x12mm thumb screws
- (6) m5x6x7mm inserts
- (2) m4x6x6mm inserts
- (2) m3x4.6mm inserts
- NEMA 14 motor
- 16T Pulley (5mm ID)
- GT2 Belt

## Printed Parts:

- Top Bracket
- Both small rings
- Both large rings
- Arca Swiss bracket
- Motor mount bracket
- (2) Belt clamps - You might break one

Belt Clamps designed by [GreatOldOne](#)

## Model files



### front\_top\_ring.stl

☐ Use M5 Inserts for hinge



### rear\_top\_ring.stl

☐ Use M5 Inserts for hinge



### front\_bottom\_ring.stl

☐ Use M4 Inserts for Thumbscrews



### rear\_bottom\_ring.stl

☐ Use M4 Inserts for Thumbscrews and M3 Inserts to attach Focuser Bracket



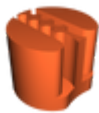
**focuser-bracket.stl**



**top\_bracket.stl**



**arca-swiss-plate.stl**



**gt2belt\_onepiececonnector.stl**

☐ Print 2 in case you break one

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