# WandereRotator Series Installation guide for common telescopes V1.0

2021.11.13

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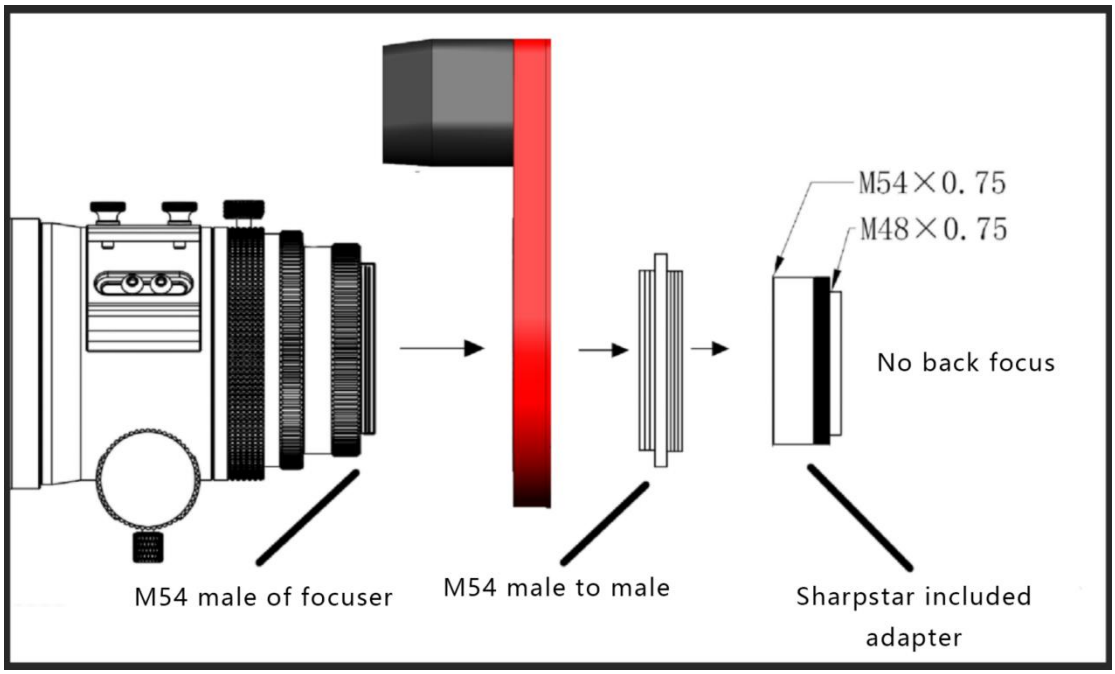
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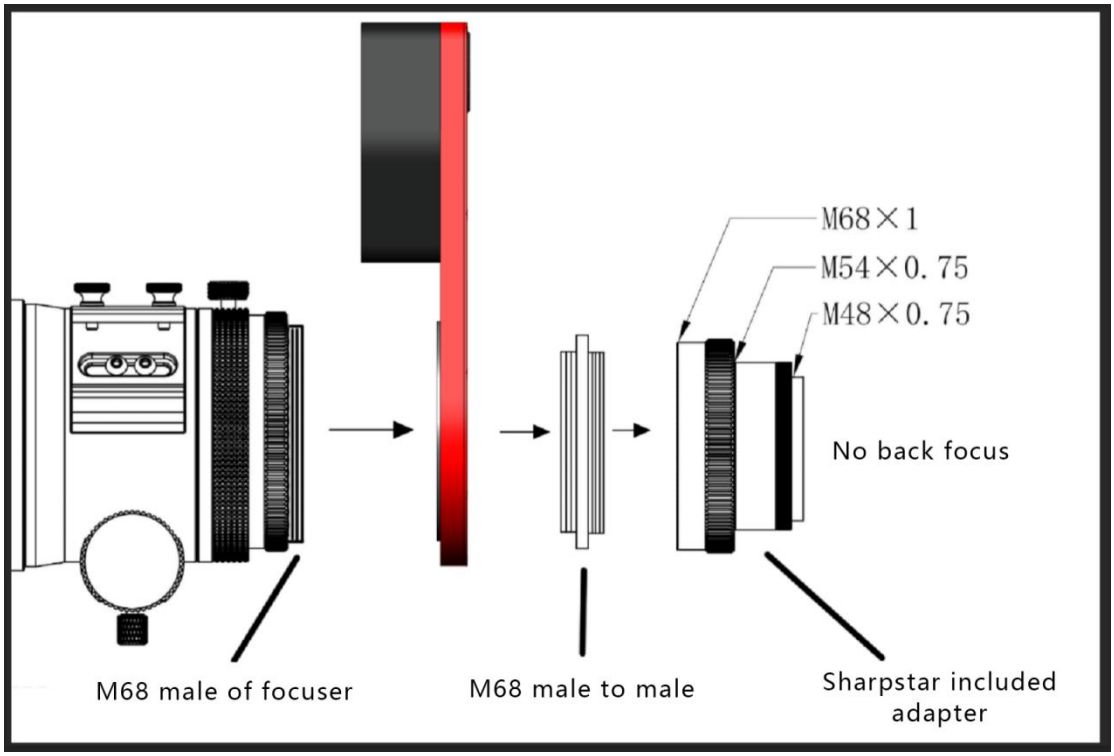
## 1.1 Sharpstar 80PHQ

### *1.1.1 No reducer*

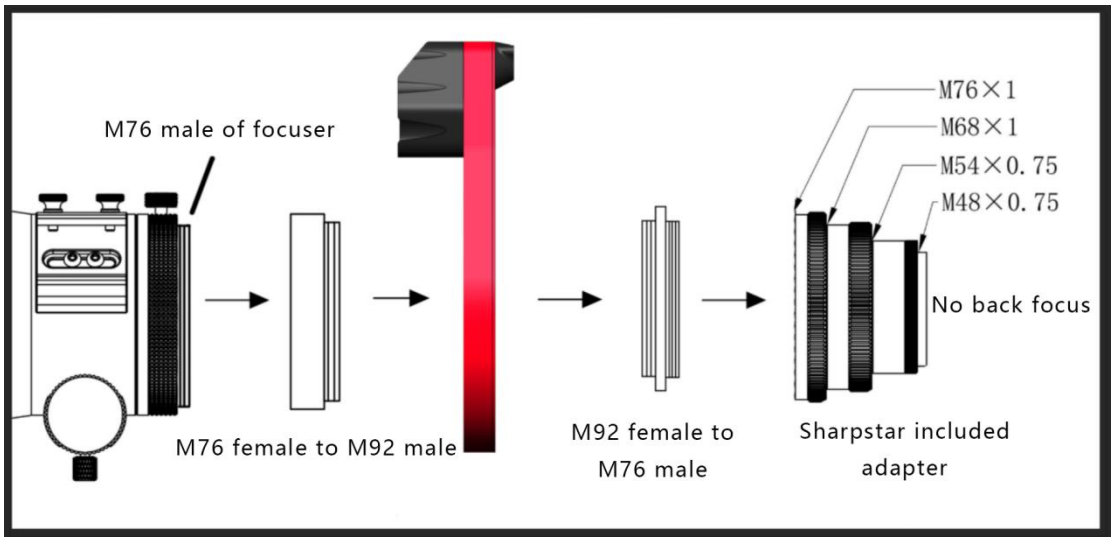
Solution 1：Using WandererRotator Mini (M54)




Solution 2：Using WandererRotator Lite (M68)

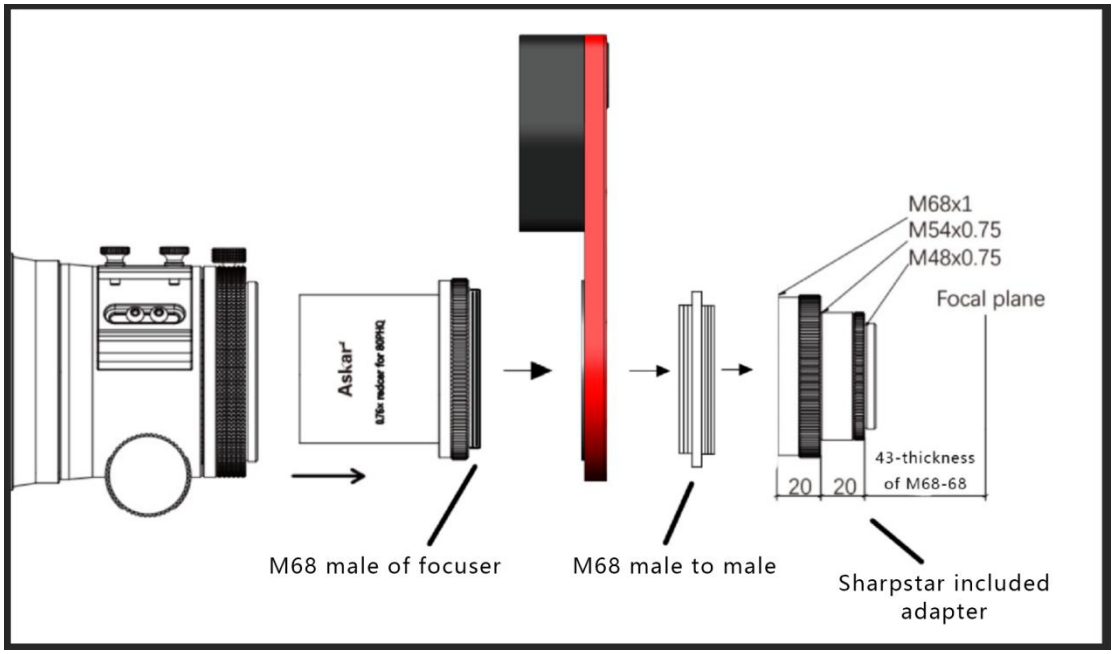


## Solution 3：Using WandererRotator Pro (M92)

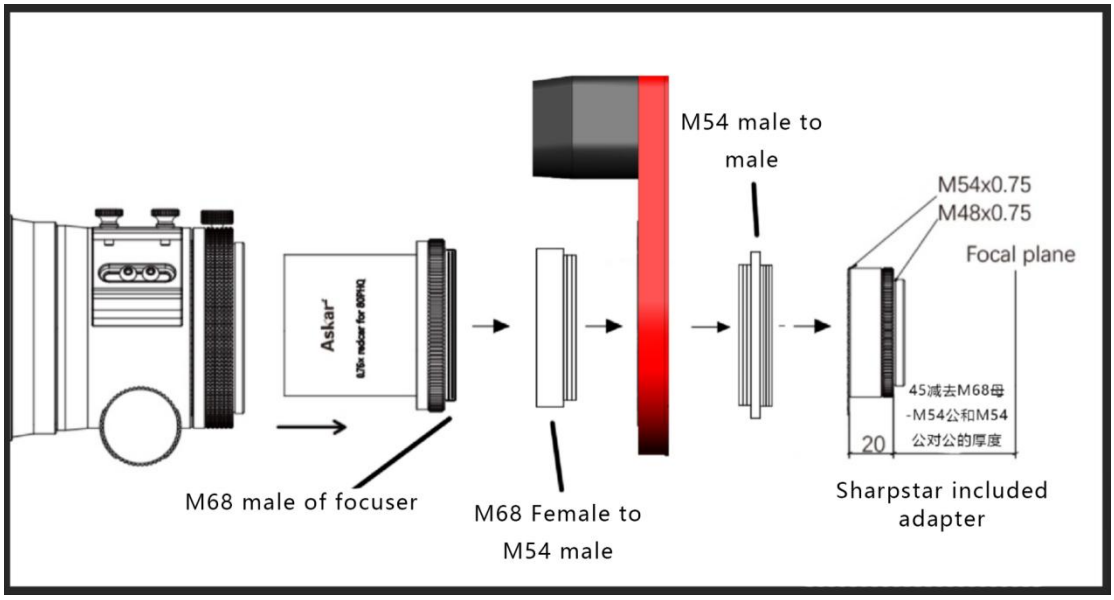



### *1.1.2 Using 0.76x Reducer*

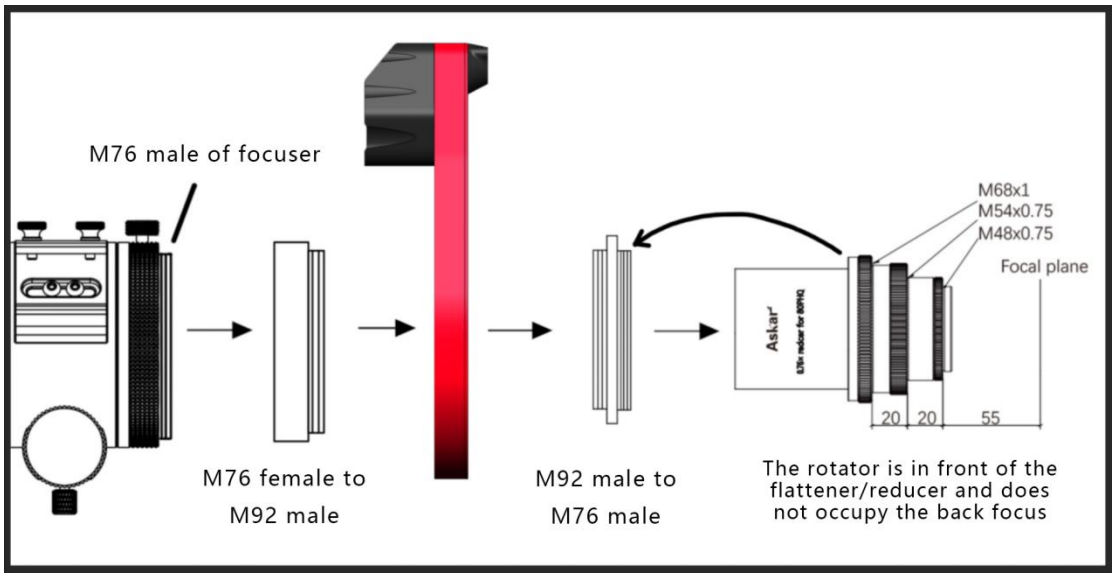
## Solution 1：Using WandererRotator Lite(M68)



## Solution 2：Using WandererRotator Mini(M54)



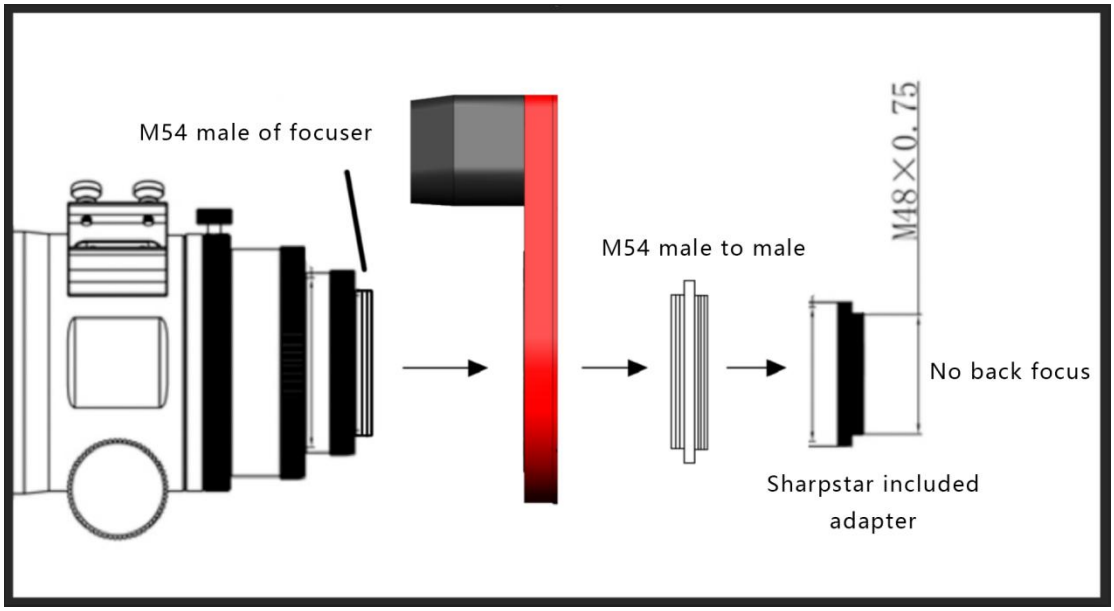

## Solution 3：Using WandererRotator Pro(M92)



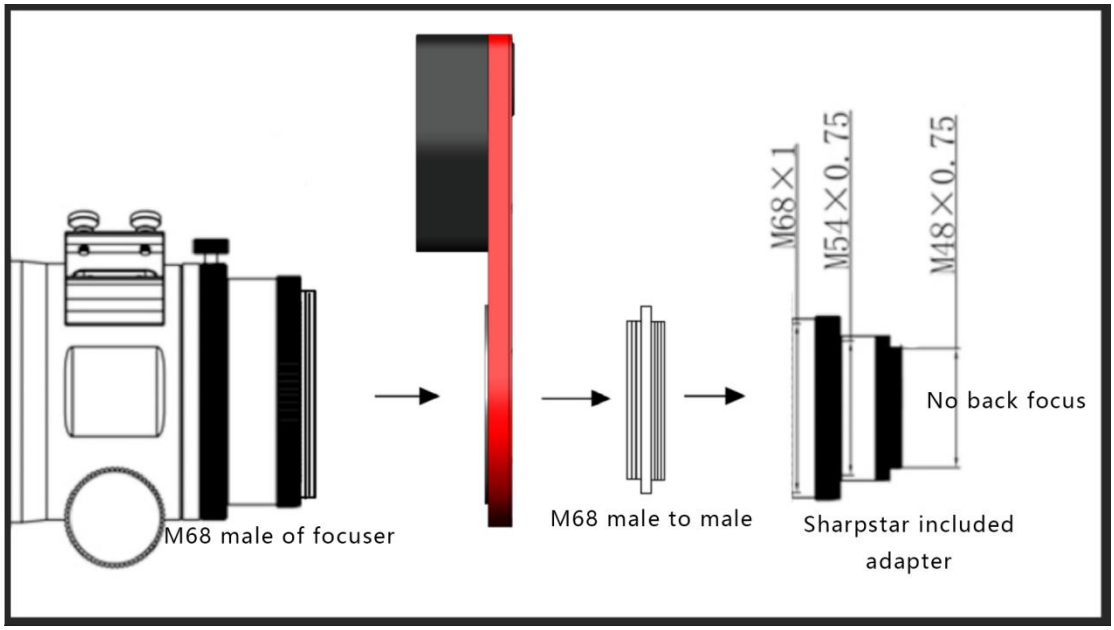
## 1.2 Sharpstar 107/130PHQ

### *1.2.1 No reducer*

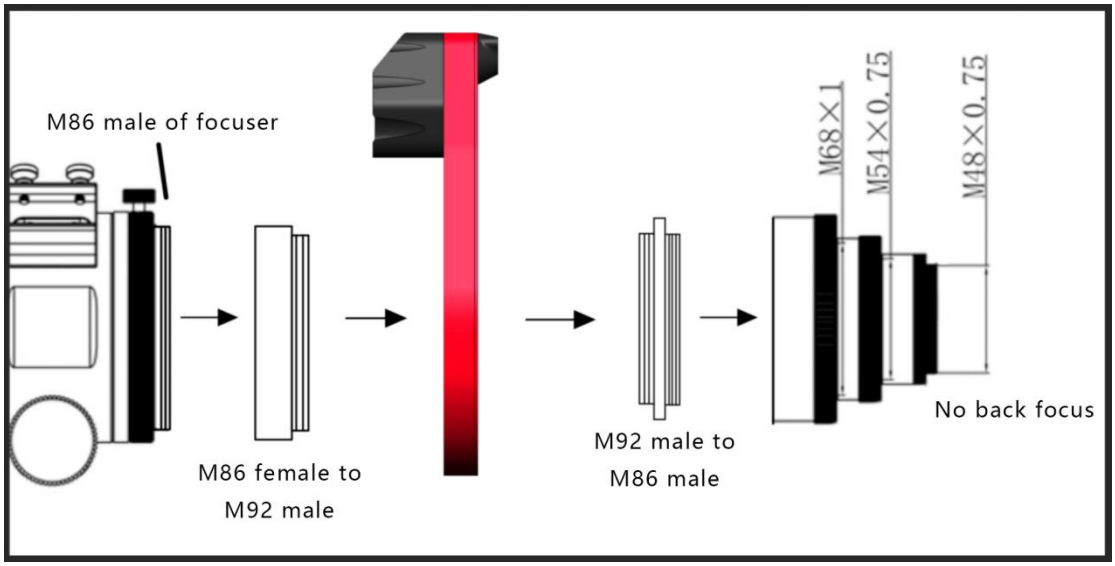
Solution 1：Using WandererRotator Mini(M54)




Solution 2：Using WandererRotator Lite(M68)

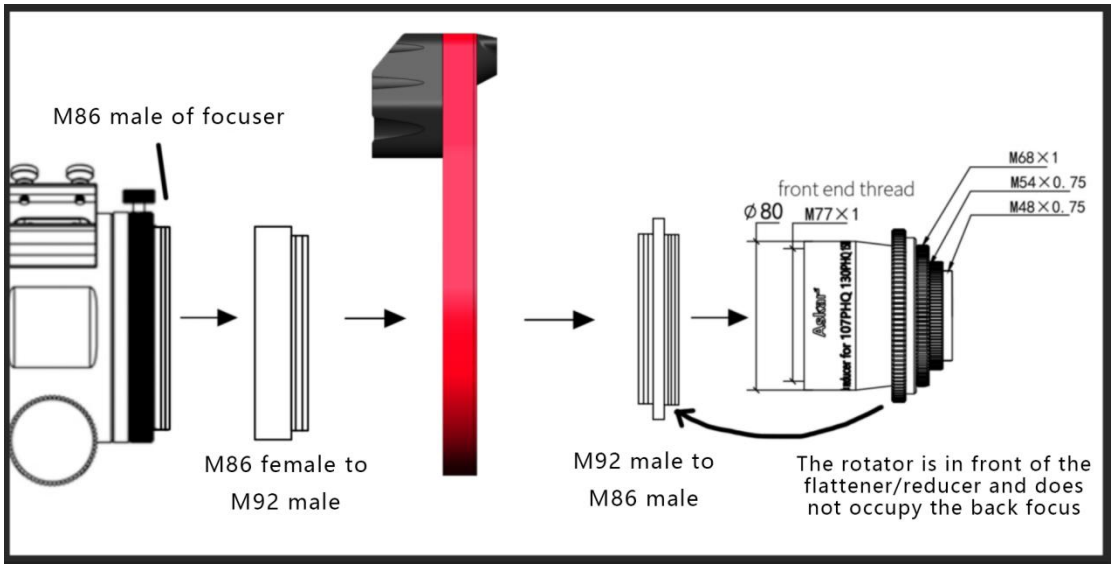


Solution 3：Using WandererRotator Pro(M92)

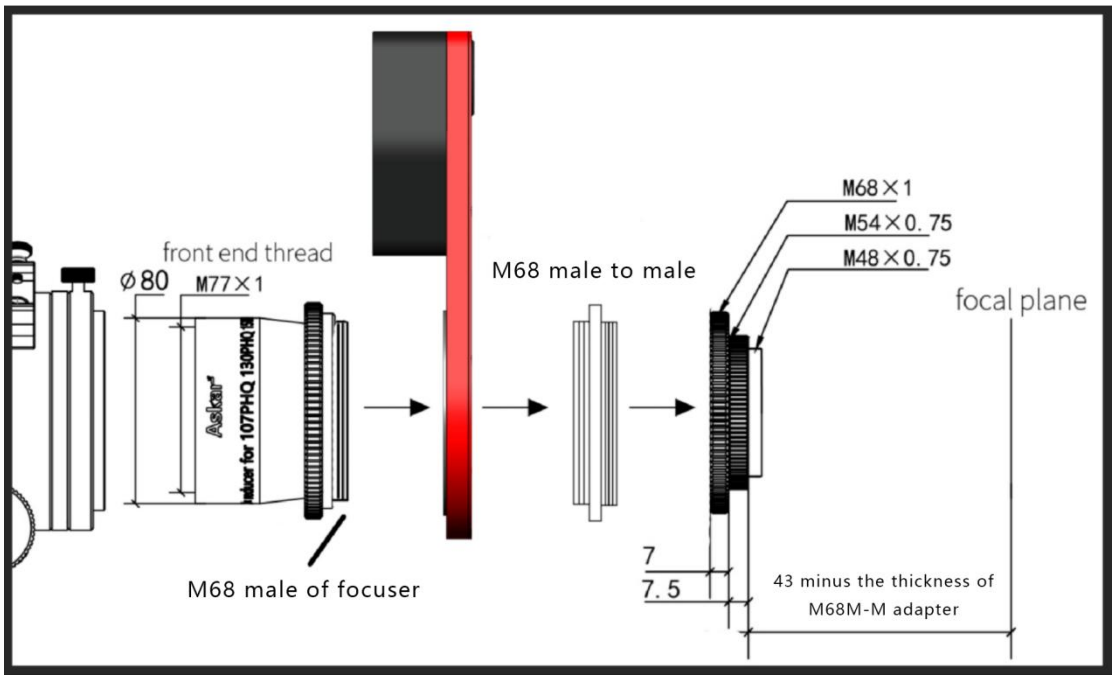



### *1.2.2 Using 0.7x Reducer*

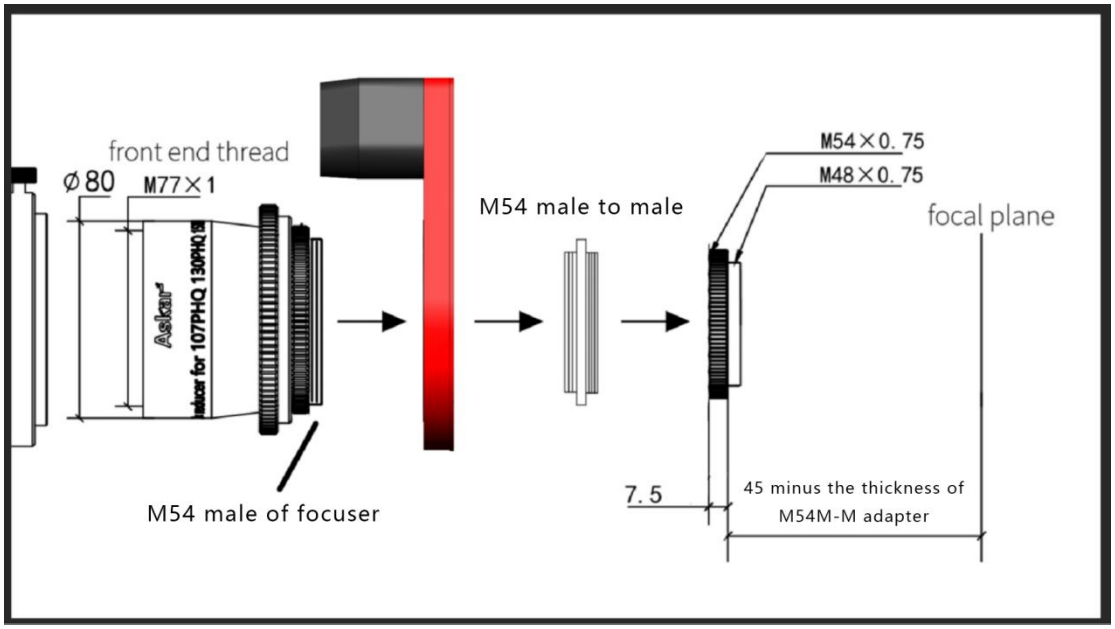
Solution 1：Using WandererRotator Pro (M92)



## Solution 2：Using WandererRotator Lite (M68)

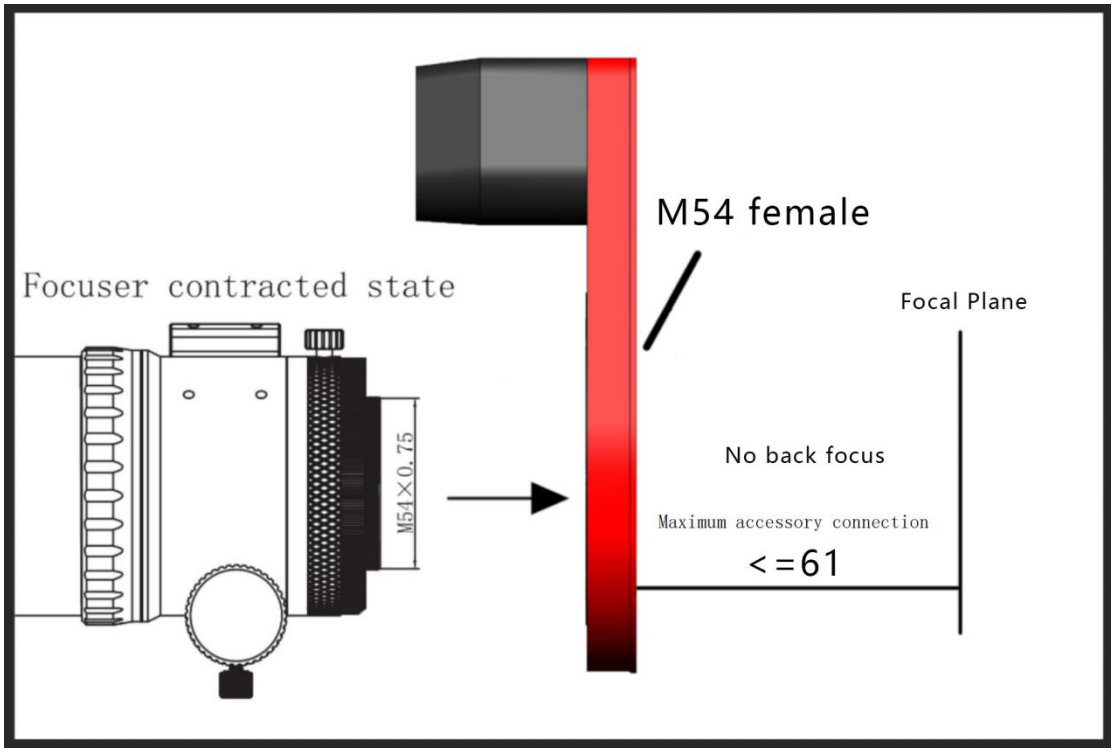



## Solution 3：Using WandererRotator Mini (M54)



## 1.3 Sharpstar FRA300 PRO

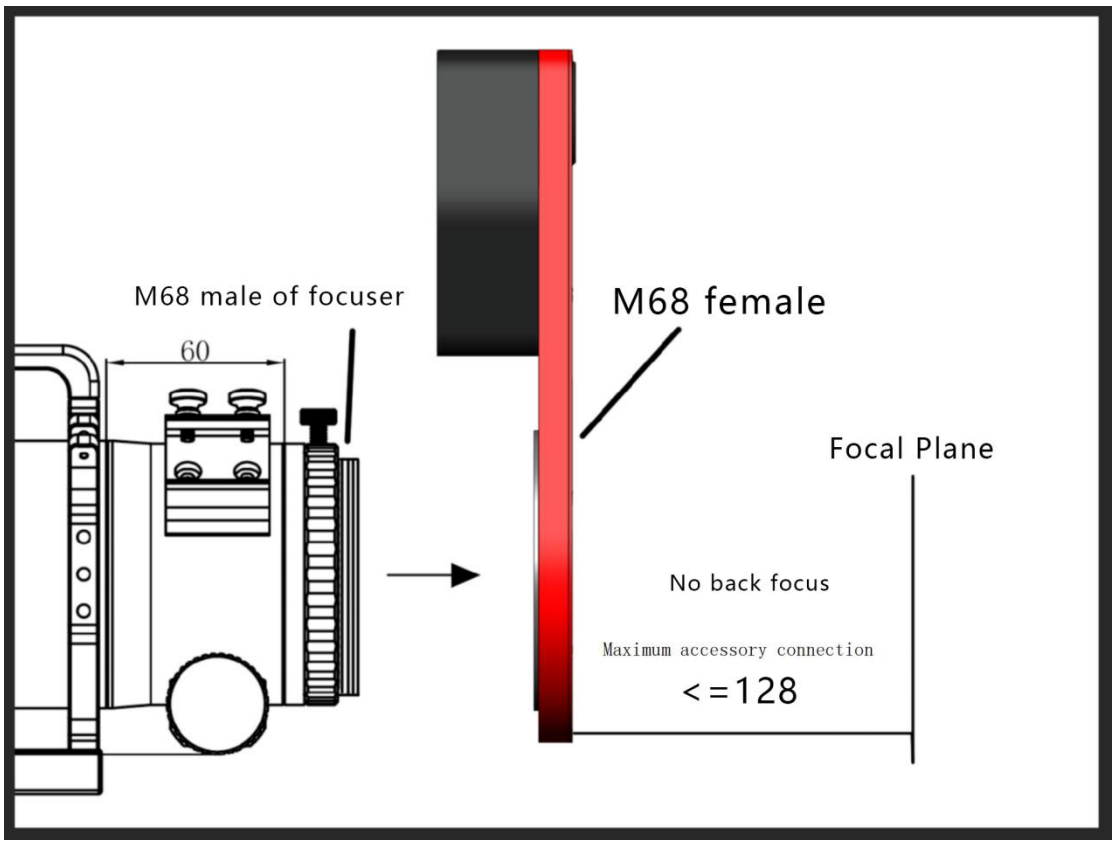
Solution 1：Using WandererRotator Mini(M54)



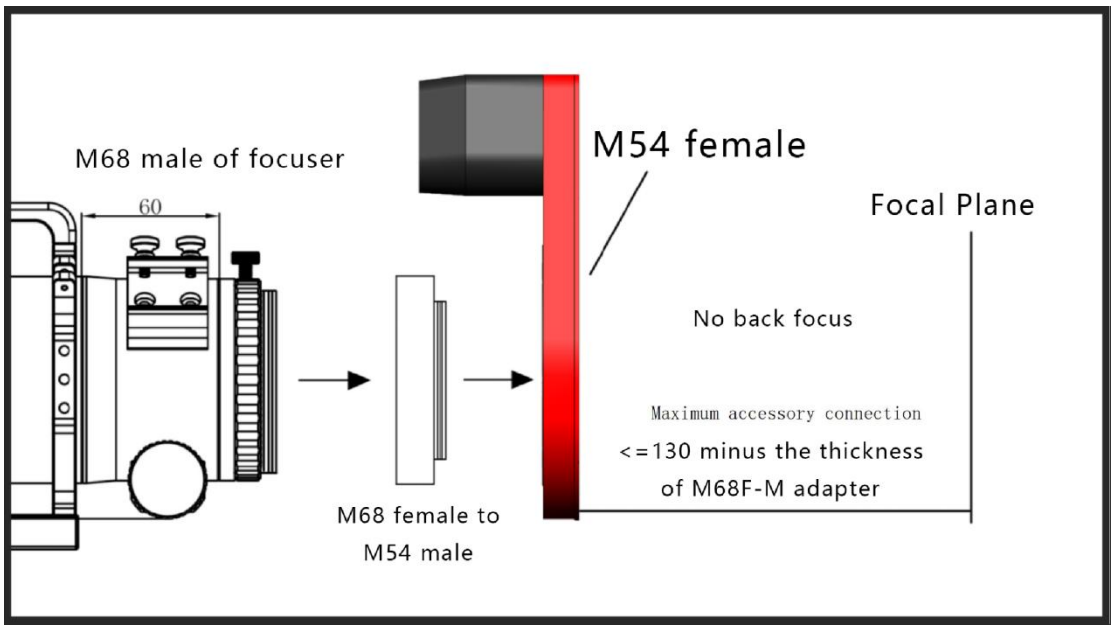
## 1.4 Sharpstar FRA400

### *1.4.1 No reducer*

Solution 1：Using WandererRotator Lite (M68)

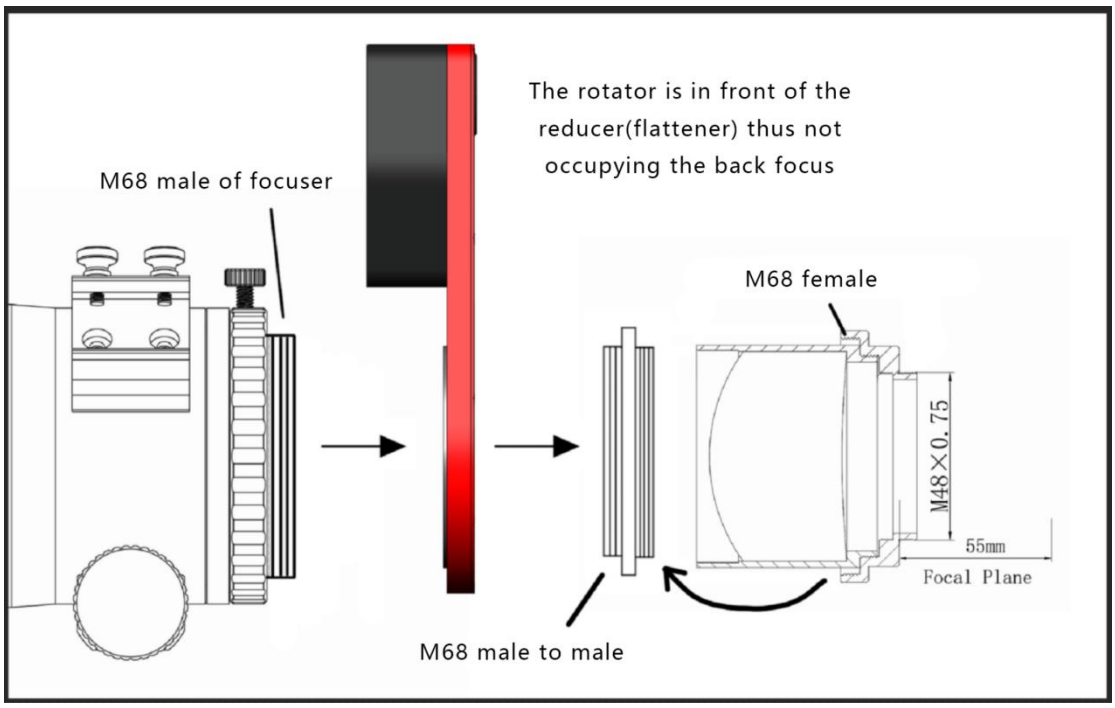



Solution 2：Using WandererRotator Mini(M54)

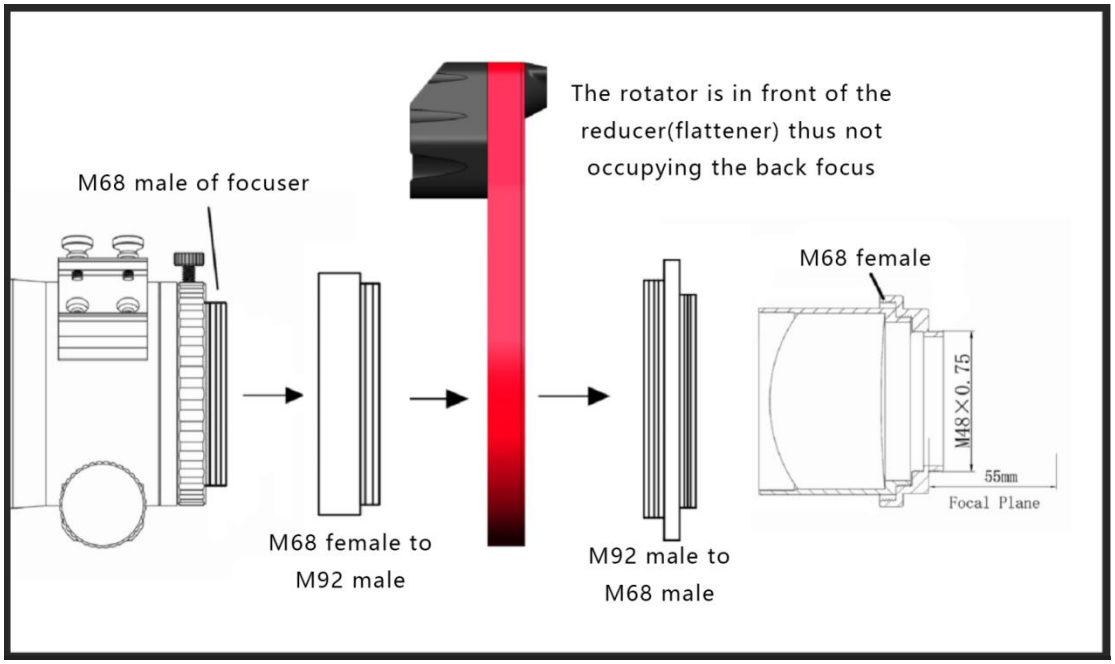


### *1.4.2 Using F3.9 Reducer*

Solution 1：Using WandererRotator Lite (M68)



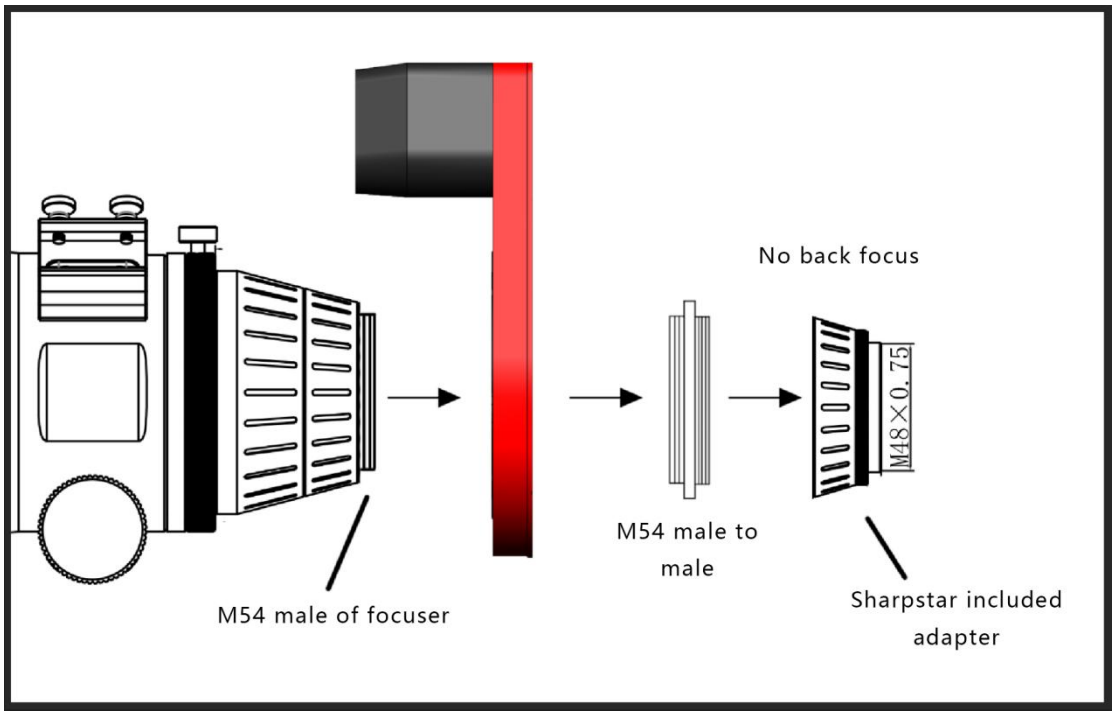

Solution 2：Using WandererRotator Pro(M92)



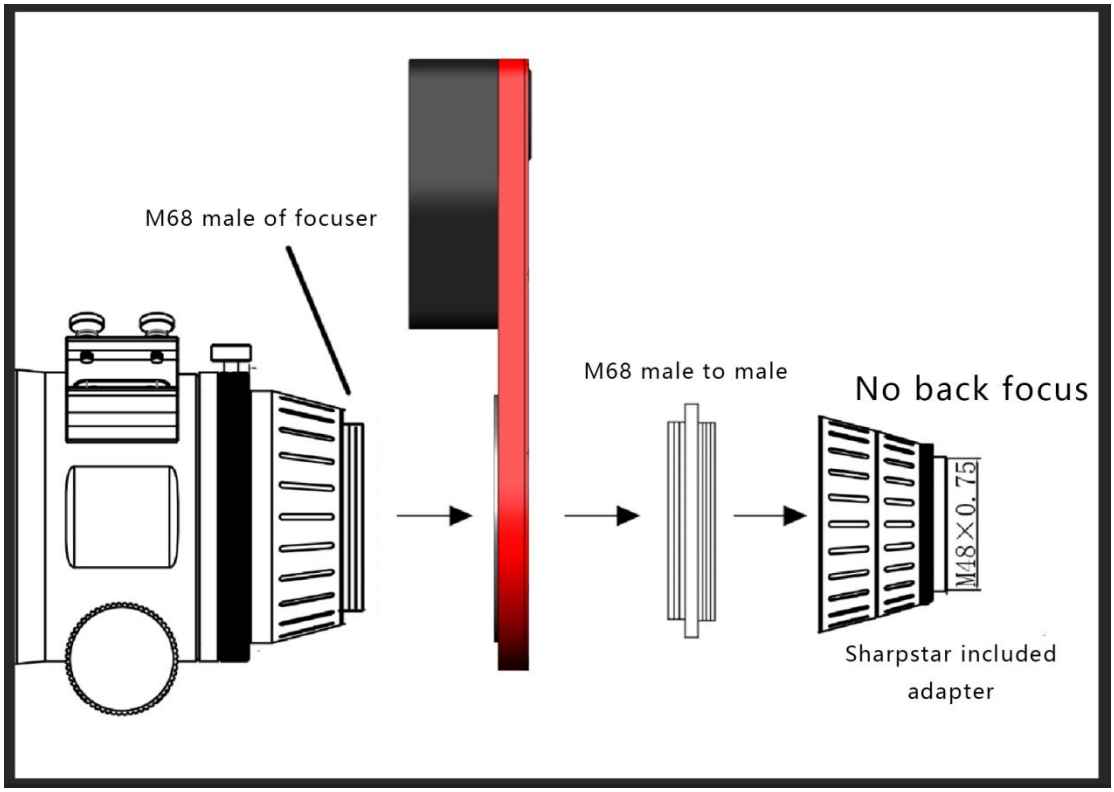
## 1.5 Sharpstar FRA500

### *1.5.1 No reducer*

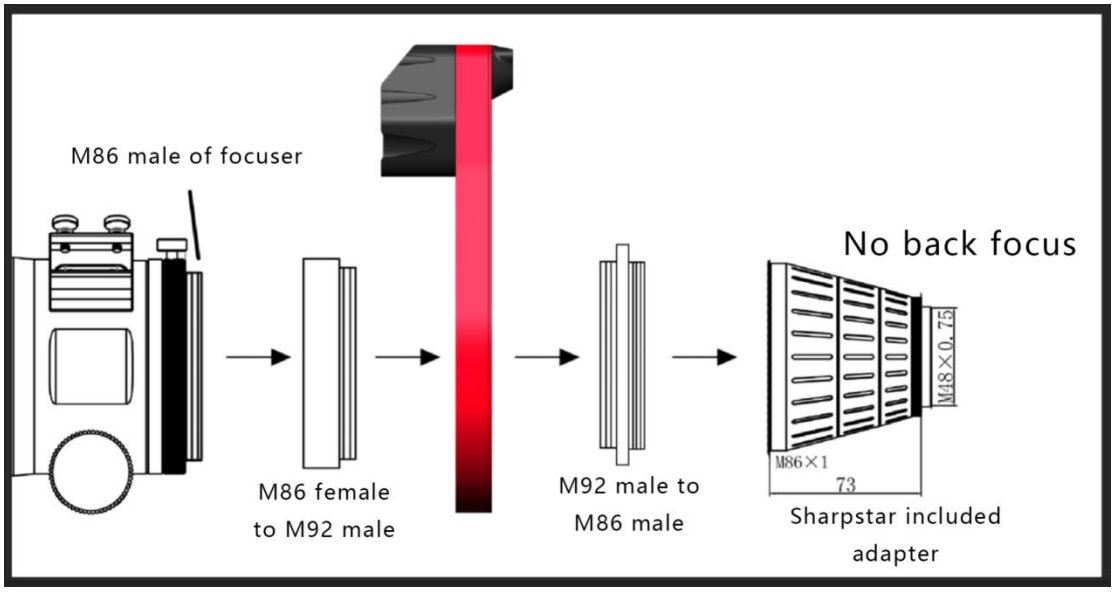
Solution 1：Using WandererRotator Mini (M54)




Solution 2：Using WandererRotator Lite (M68)

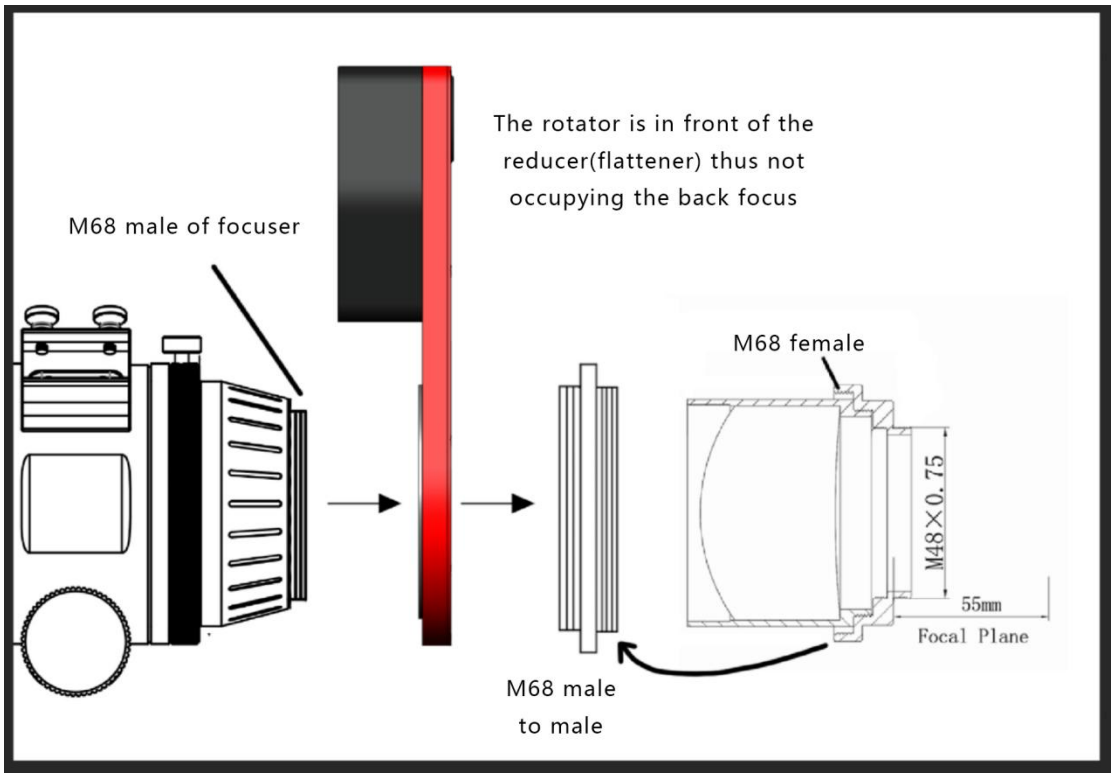


## Solution 3：Using WandererRotator Pro(M92)

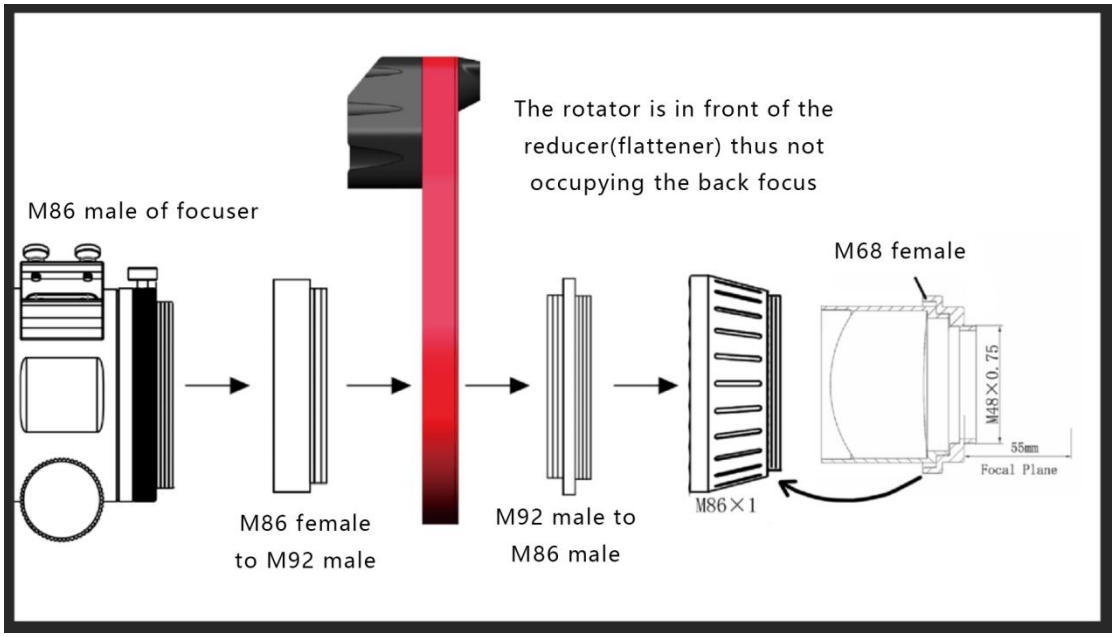



### *1.5.2 Using F3.9 Reducer*

## Solution 1：Using WandererRotator Lite (M68)



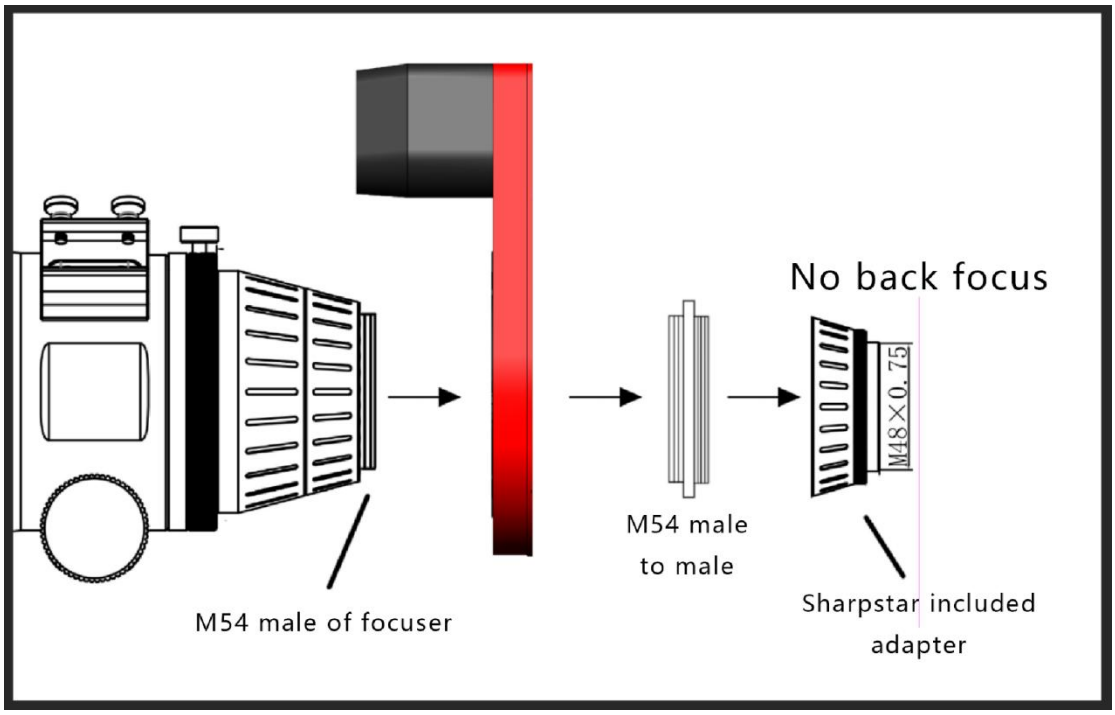
## Solution 2：Using WandererRotator Pro(M92)



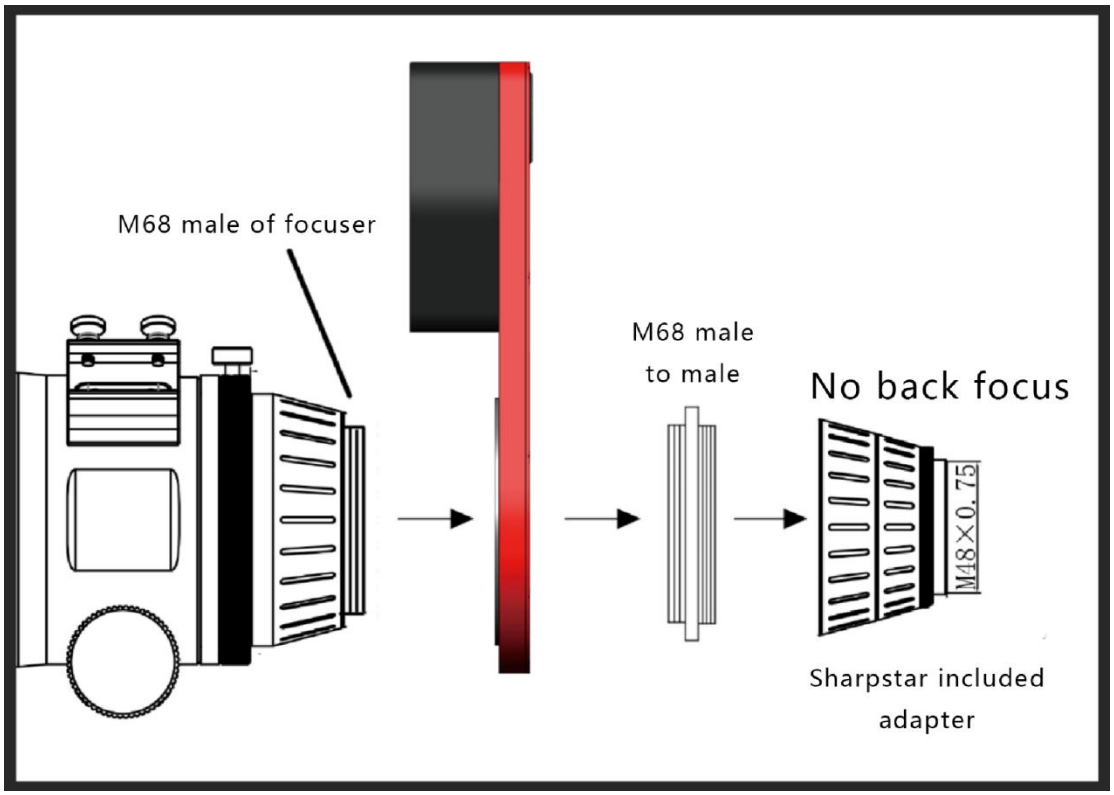
## 1.6 Sharpstar FRA600

### *1.6.1 No reducer*

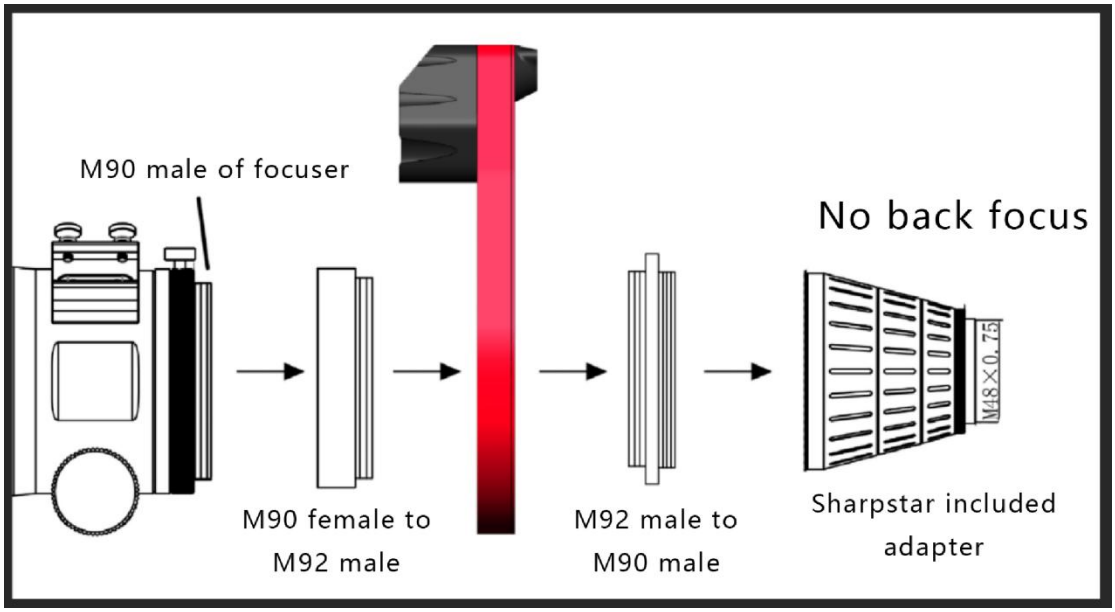
Solution 1：Using WandererRotator Mini (M54)




Solution 2：Using WandererRotator Lite (M68)

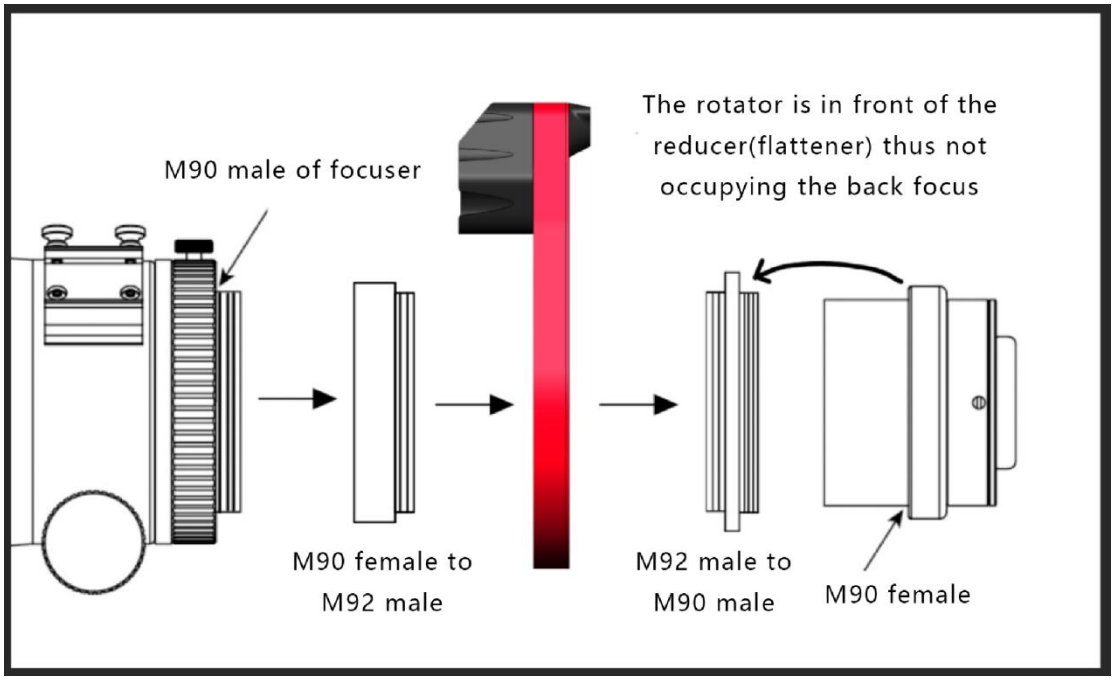


Solution 3：Using WandererRotator Pro(M92)



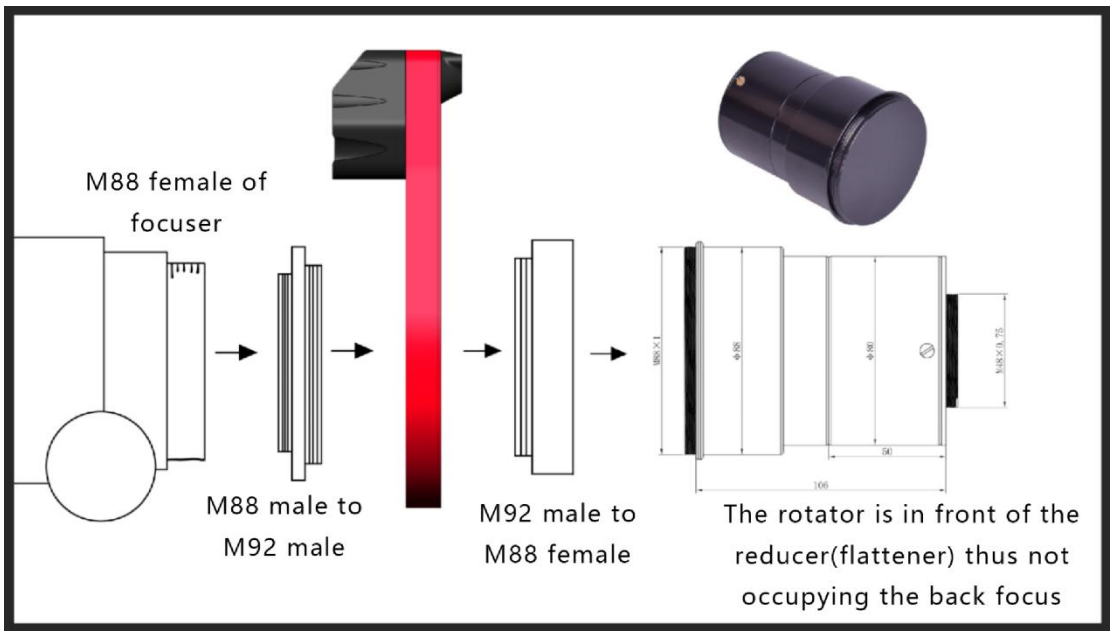

### *1.6.2 Using F3.9 Reducer*

Solution 1：Using WandererRotator Pro(M92)

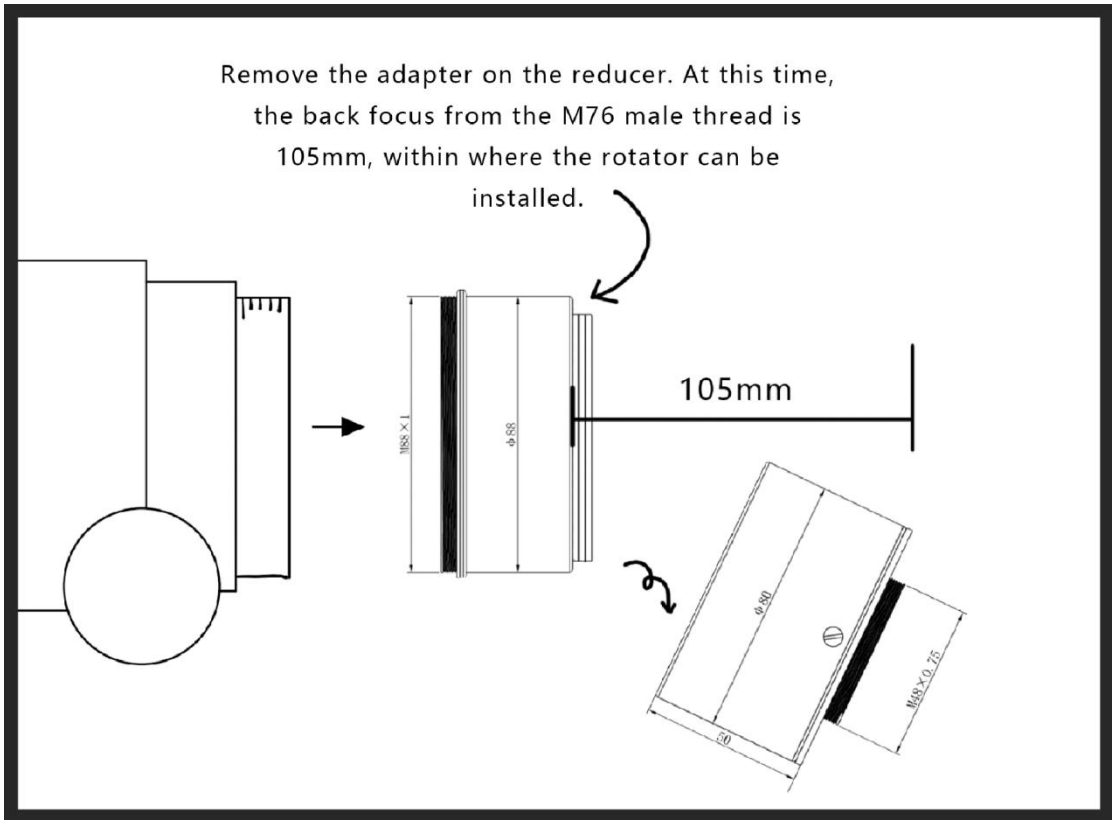


## 1.7 Sharpstar 140PH+ Reducer

### Solution 1：Using WandererRotator Pro(M92)

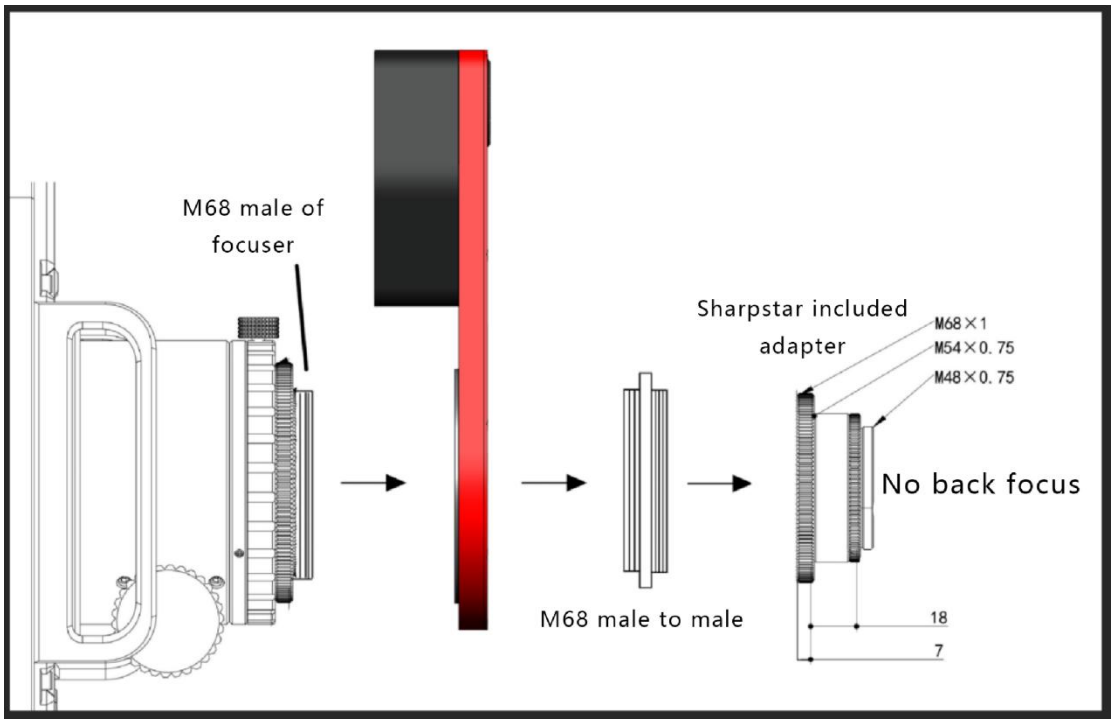



### Solution 2/3：Using WandererRotator Lite(M68) or Mini（M54）

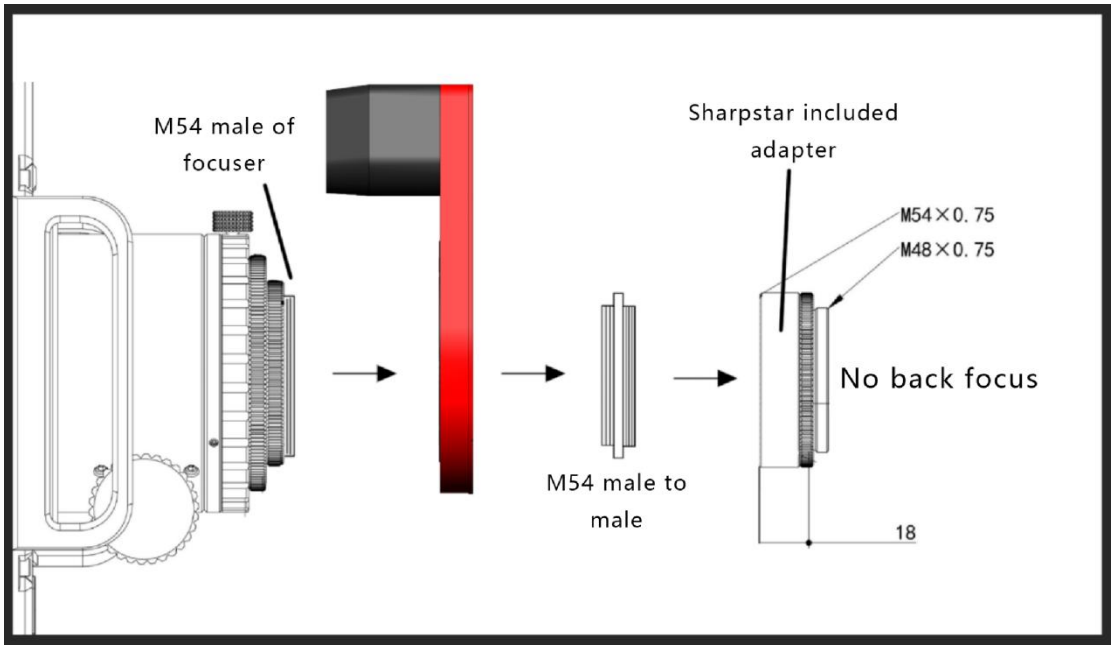


## 1.8 Sharpstar SCA260

Solution 1：Using WandererRotator Lite(M68)



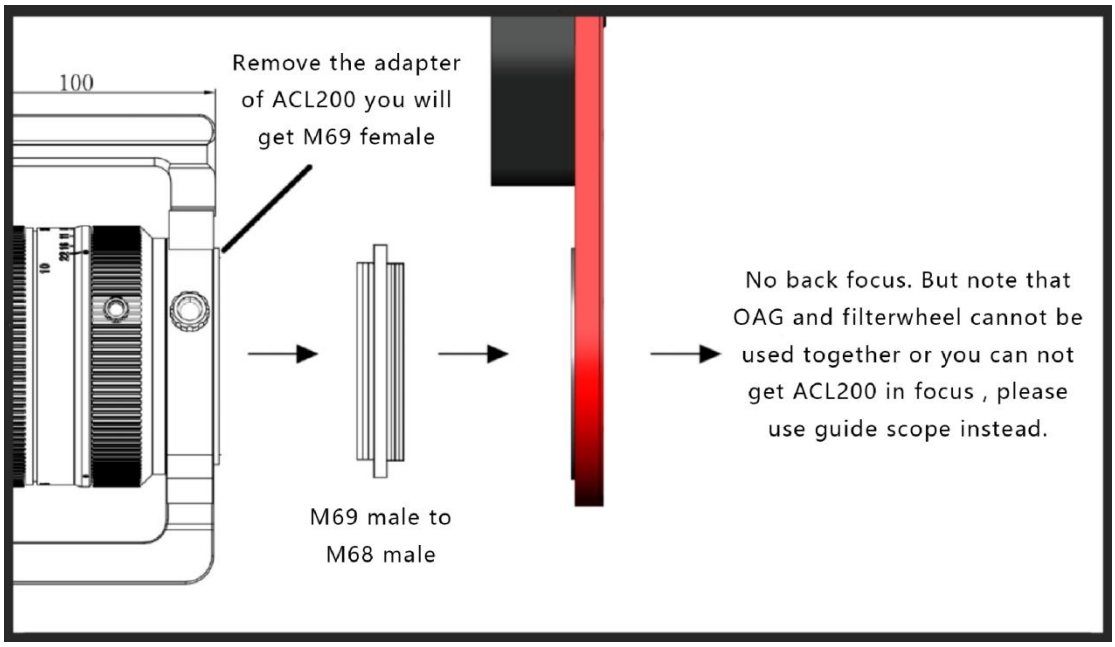

Solution 2：Using WandererRotator Mini(M54)




Solution 3：Using WandererRotator Pro(M92)

Need to customize the adapter ring (M90 male to M92 male), the installation method is the same, illustration omitted

## 1.9 Sharpstar ACL200

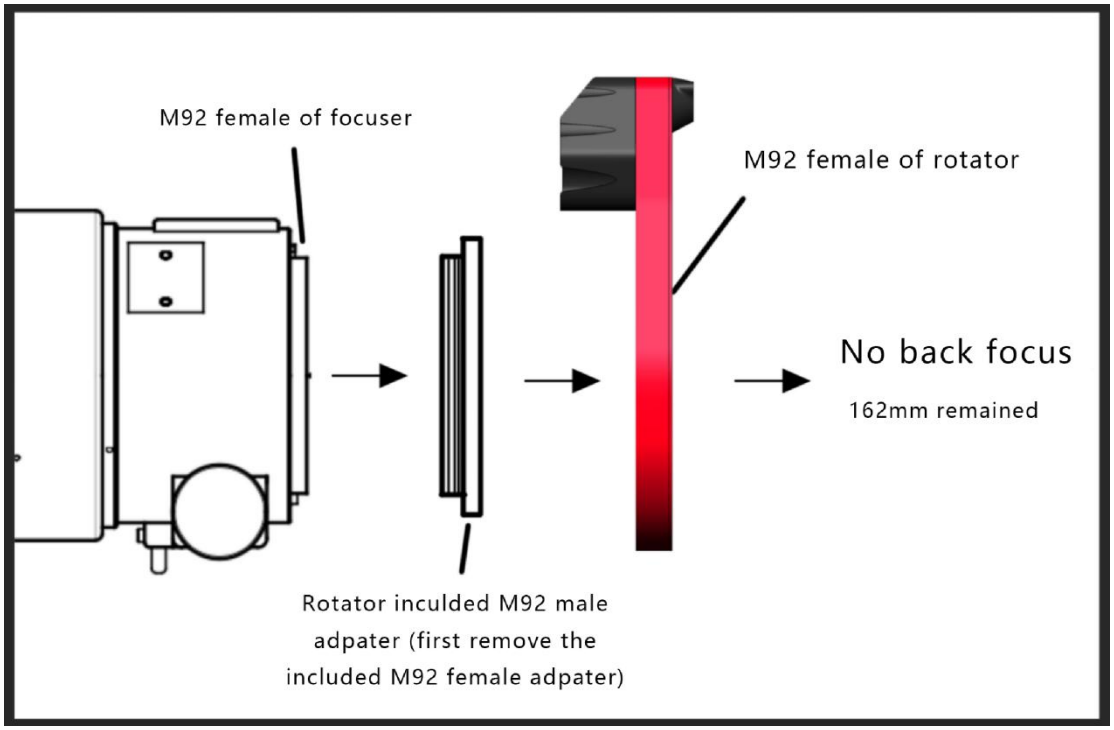


# 2.Takahashi

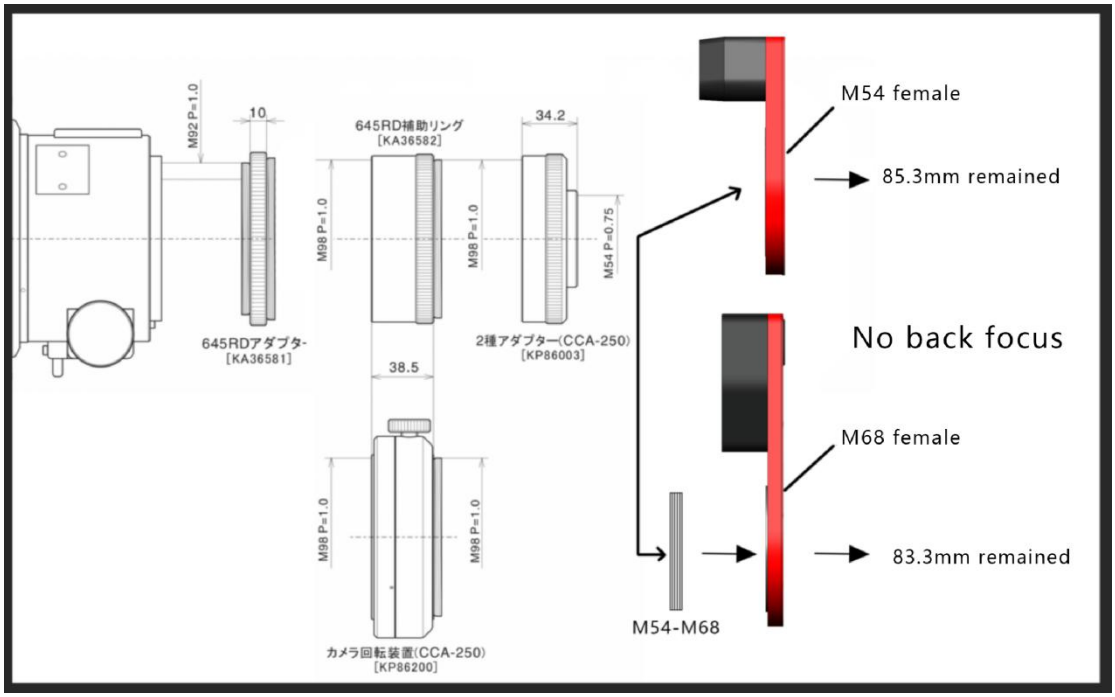
## 2.1 Takahashi FSQ106

### *2.1.1 No reducer*

Solution 1：Using WandererRotator Pro(M92)

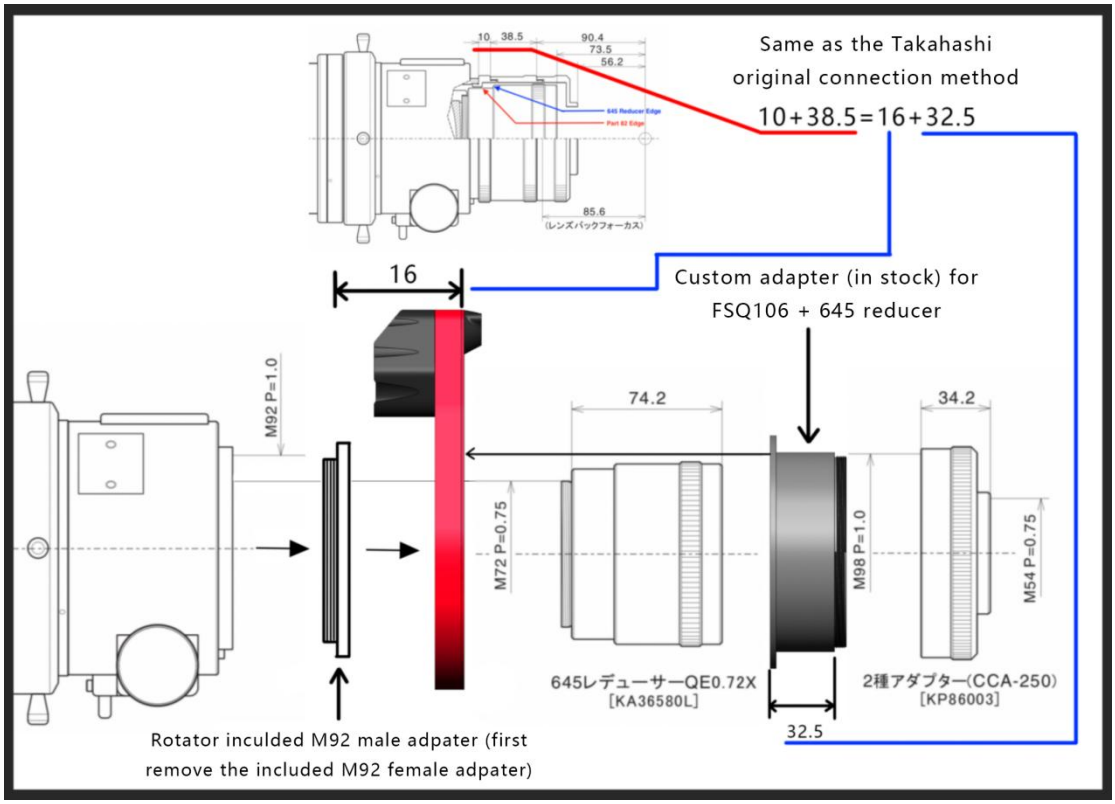



Solution 2/3：Using WandererRotator Lite (M68)　or　Mini (M54)



### *2.1.2 Using 645 0.72X Reducer*

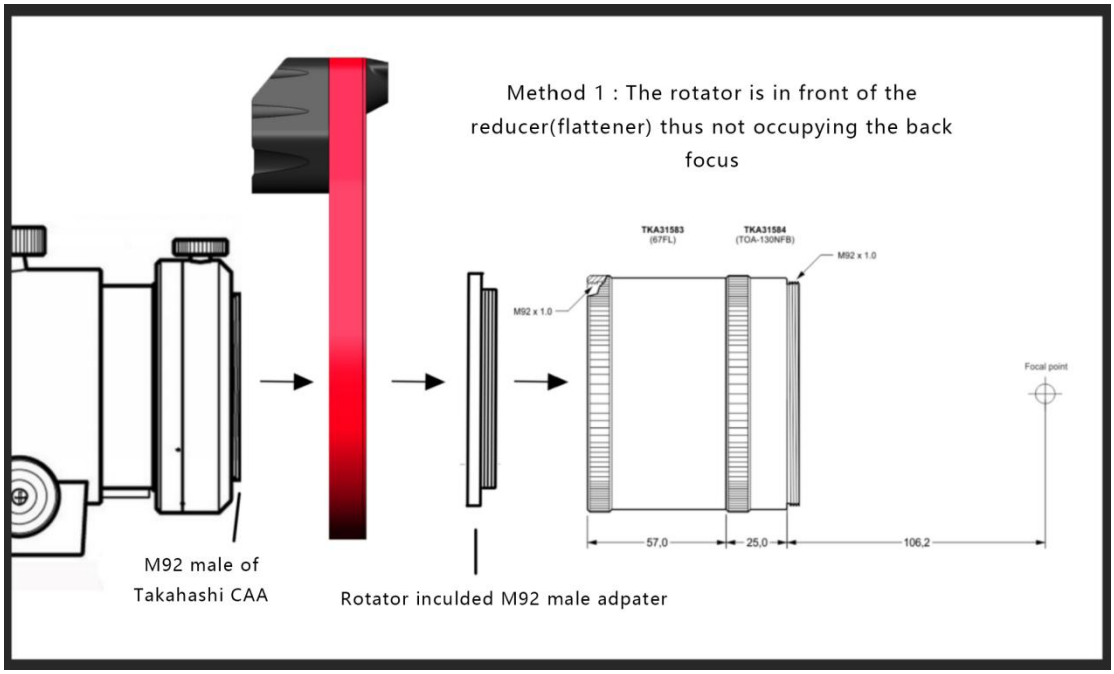
Solution 1：Using WandererRotator Pro(M92)

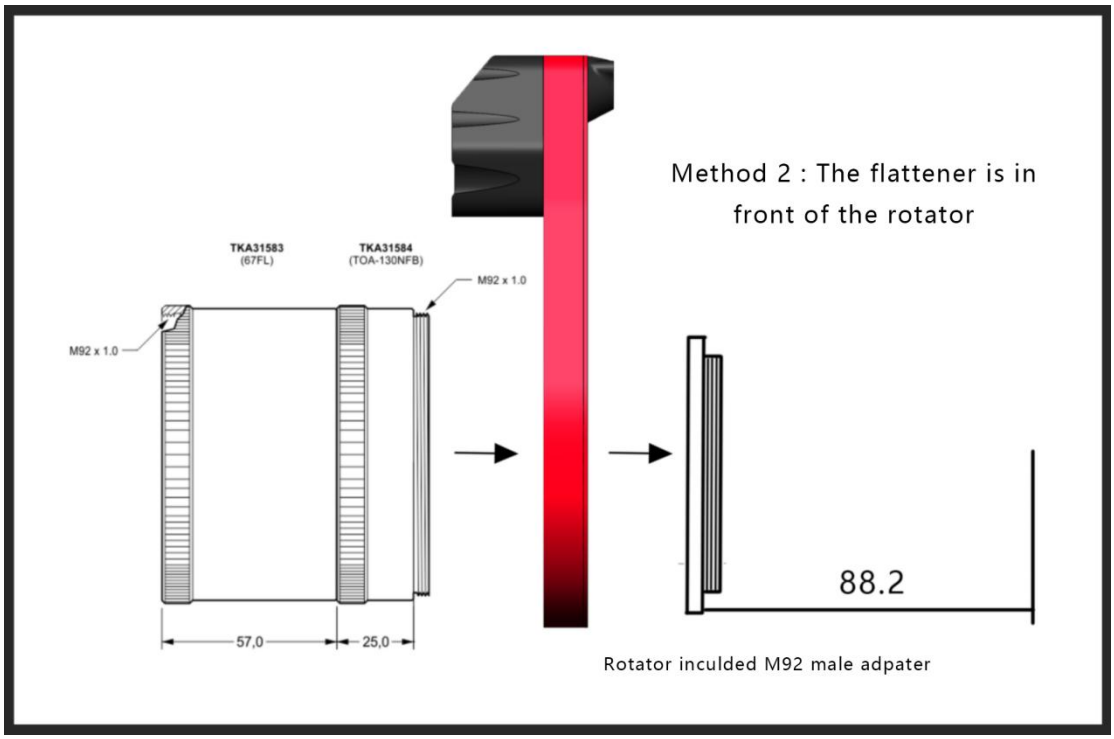


## 2.2 Takahashi TOA130

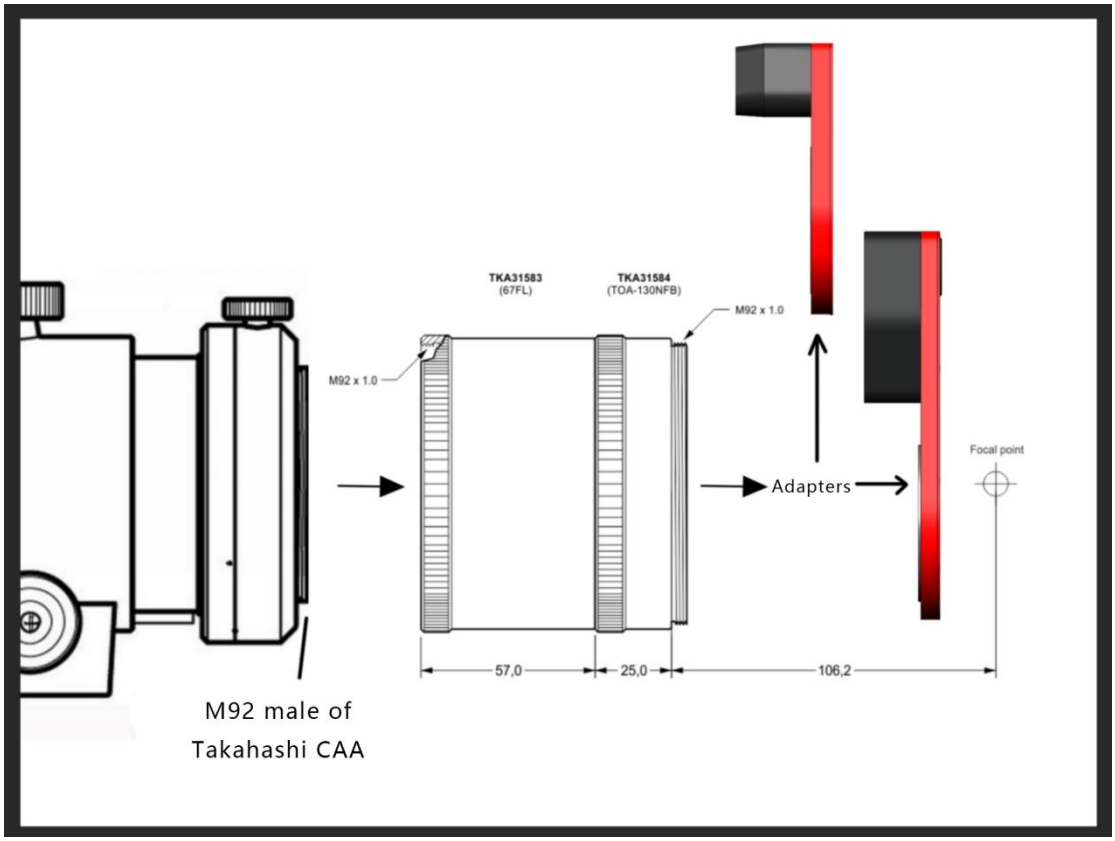
### *2.1.1 Using 67 Flattener*

Solution 1： Using WandererRotator Pro (M92)



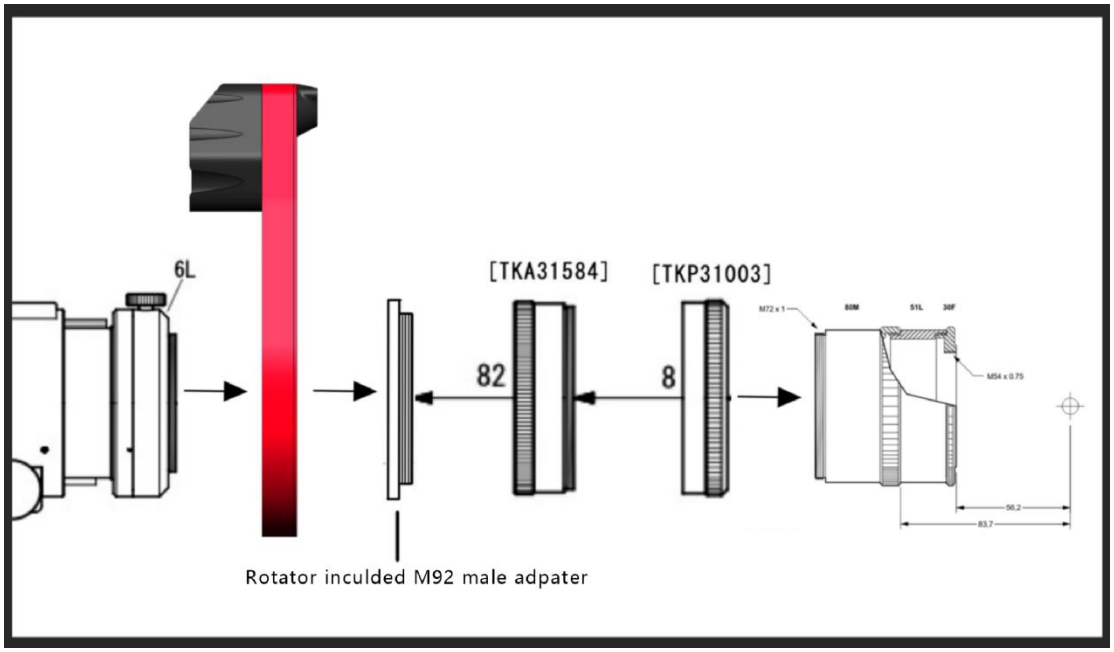



## Solution 2：Using WandererRotator Lite(M68)　or　Mini(M54)

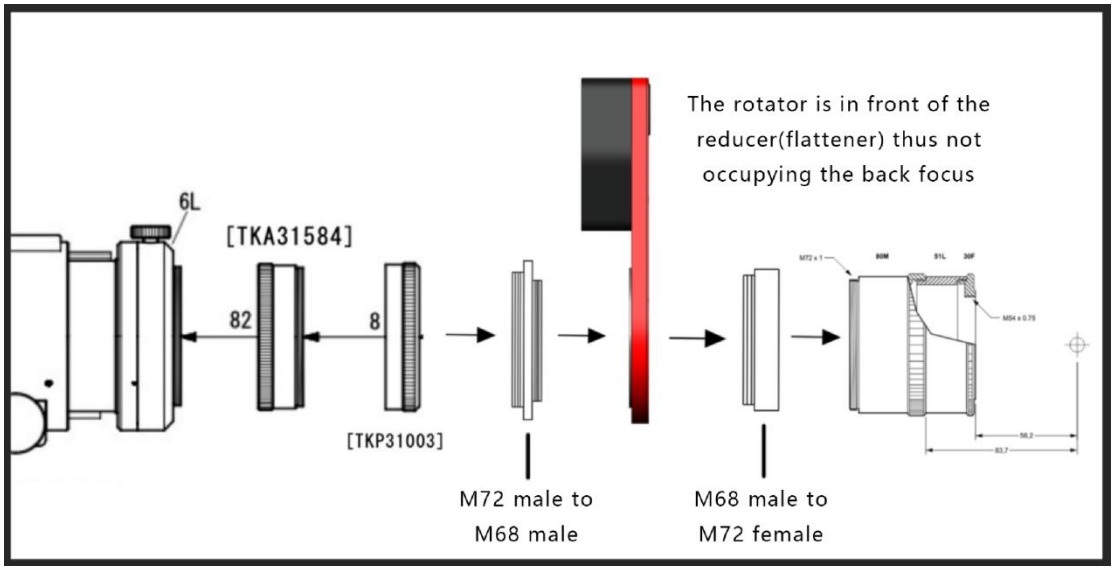


### *2.1.2 Using 645 Flattener*

Solution 1：Using WandererRotator Pro (M92)




Solution 2：Using WandererRotator Lite (M68)



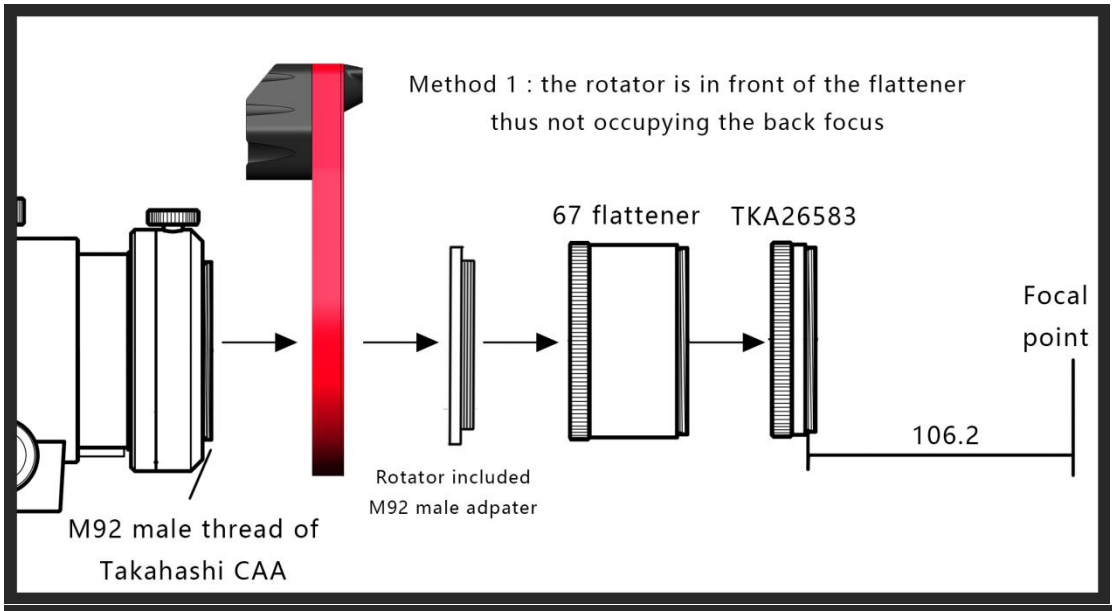

### *2.1.3 Using TOA-35 Reducer*

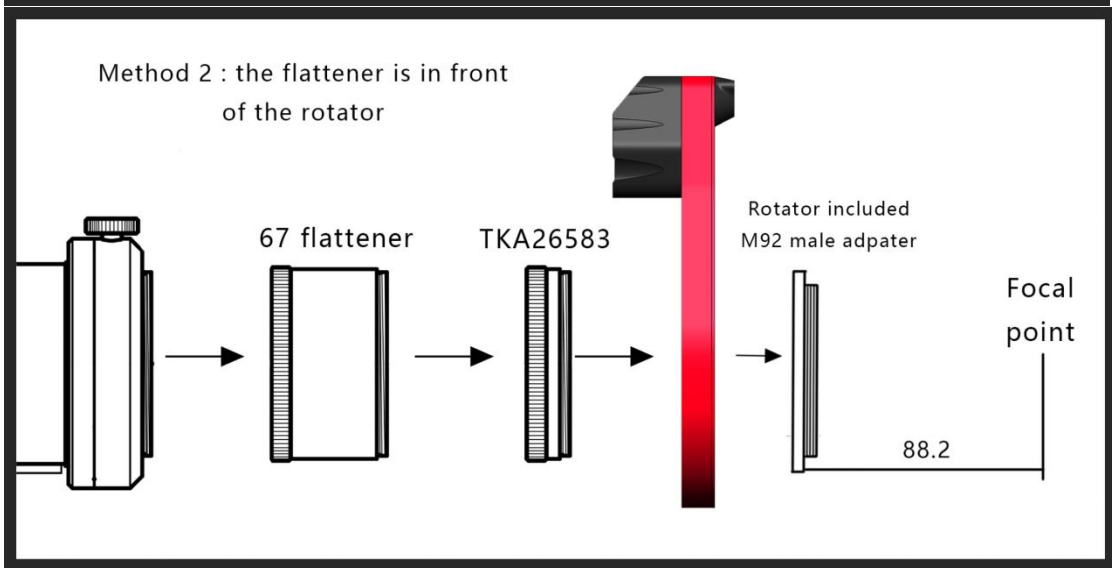
The thread interface of the reducer is the same as that of the 645 flattener, and the installation method is similar to that in 2.1.1.

## 3.3 Takahashi TOA150

### *3.3.1 Using 67 Flattener*

Solution 1：Using WandererRotator Pro (M92)




Solution 2：Using WandererRotator Lite(M68) or Mini(M54)

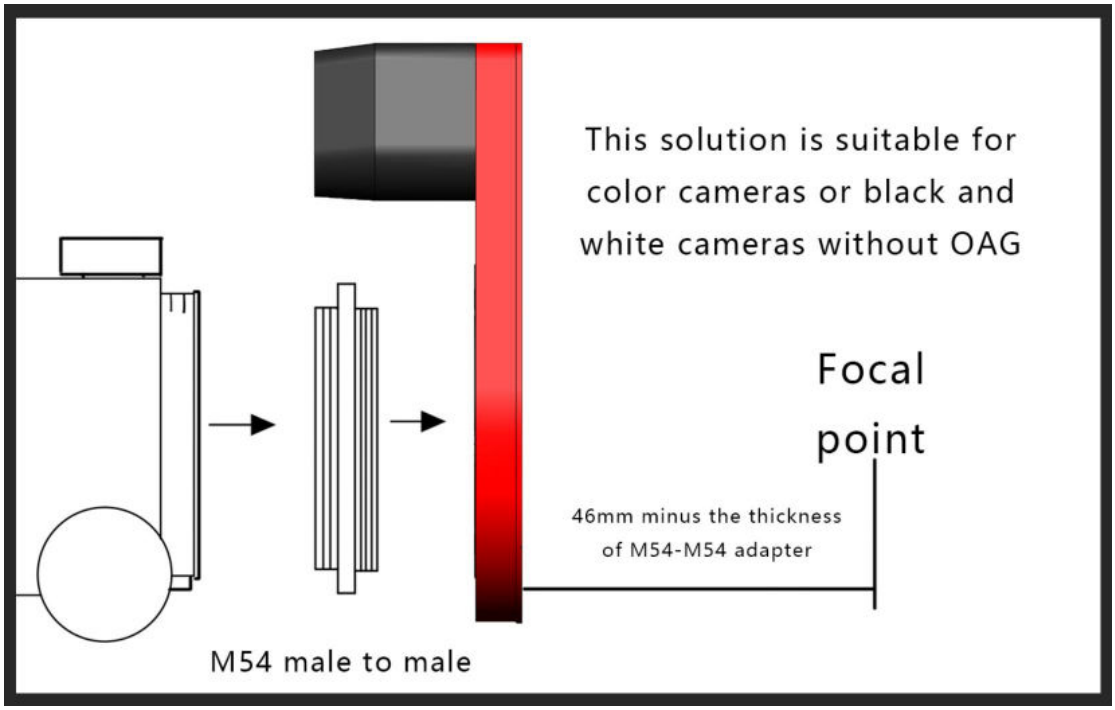
Same as Solution 2 in 2.2.1, illustration omitted.

### *3.3.2 Using 645 flattener*

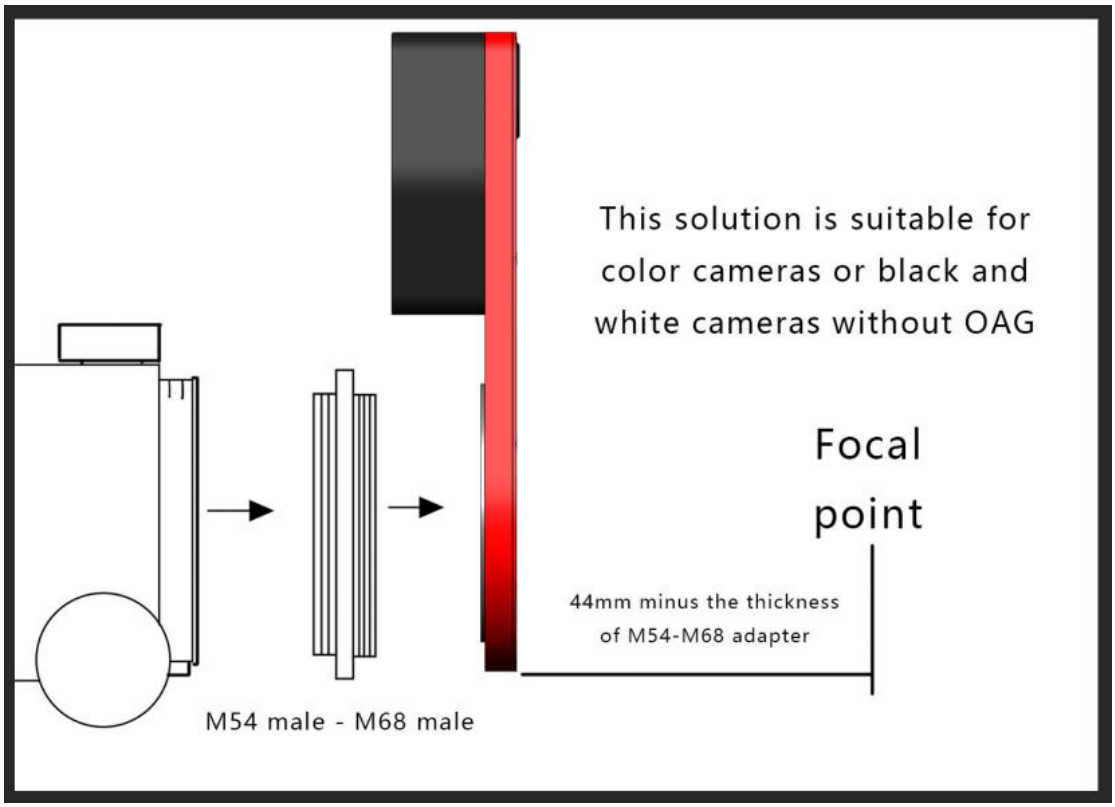
Same as 3.2.2 , illustration omitted.

### 3.3 Takahashi Epsilon 130/160

Solution 1：Using WandererRotator Mini (M54)

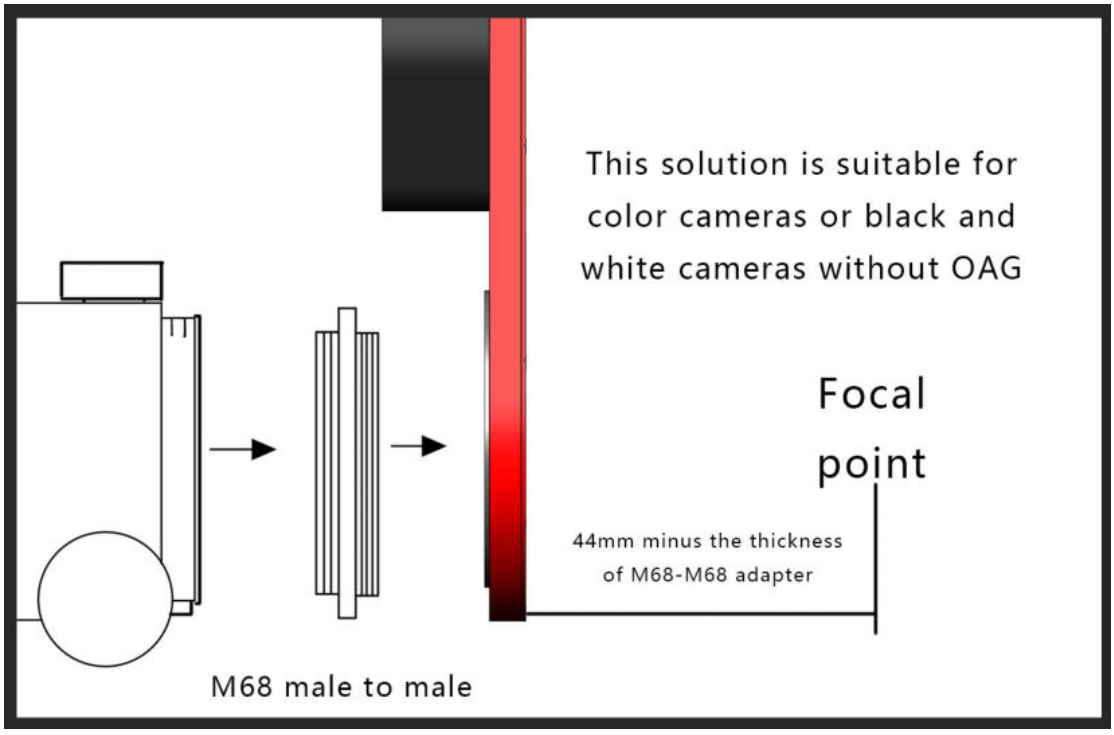



Solution 2：Using WandererRotator Lite (M68)



### 3.3 Takahashi Epsilon 180

Solution 1：Using WandererRotator Lite (M68)




Solution 2：Using WandererRotator Mini (M54)

