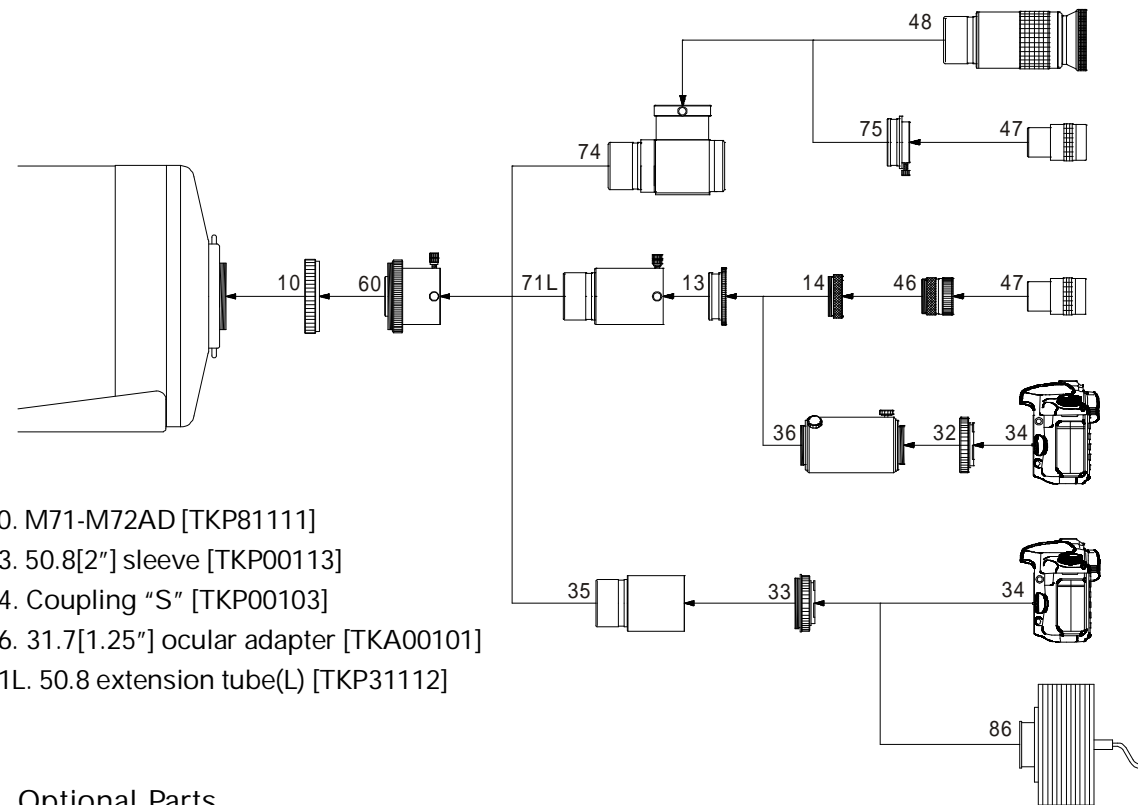


Extender CR 1.5x System Chart



- 10. M71-M72AD [TKP81111]
- 13. 50.8[2"] sleeve [TKP00113]
- 14. Coupling "S" [TKP00103]
- 46. 31.7[1.25"] ocular adapter [TKA00101]
- 71L. 50.8 extension tube(L) [TKP31112]

Optional Parts

- 32. T-Mount DX-S(EOS) [TKA01250]
T-Mount DX-S(Nikon) [TKA01254]
- 33. Wide T-Mount DX-WR(EOS) [TKA01251]
Wide T-Mount DX-WR(Nikon) [TKA01255]
- 34. Digital/film SLR
- 35. CA-35(50.8) [TKA31201]
- 36. TCA-4 [TKA00210]
- 46. 31.7[1.25"] ocular adapter [TKA00101]
- 47. 31.7[1.25"] Ocular [TKA00520 ~ 00527]
- 48. 50.8[2"] Ocular [LE50:TKA00530]
- 60. Extender CR 1.5x [TKA82595]
- 74. 50.8[2"] Diagonal Mirror [TKA00543]
- 75. Adapter(DM)(31.7[1.25"]) [TKA00111]

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Mewlon-CR

μ -250 Corrector
 Instruction Manual

TAKAHASHI

Thank you for your purchase of the Takahashi Mewlon CR corrector. This newly designed unit corrects for coma and flattens the field of the Mewlon-250 to cover a 35mm frame with 15 micron stars. The Mewlon CR Corrector is designed to be a visual as well as imaging device.

In order to install and use the Mewlon CR corrector to the maximum of its capabilities, please read this manual carefully to be informed on how to install the unit and what are its capabilities before installing it.

WARNING

NEVER ATTEMPT TO OBSERVE THE SUN THROUGH THIS TELESCOPE WITHOUT A PROPER DEDICATED GLASS SOLAR FILTER. DIRECT VIEWING WILL CAUSE INSTANT BLINDNESS. KEEP CHILDREN AWAY FROM THE INSTRUMENT DURING THE DAY.

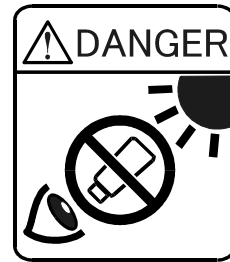


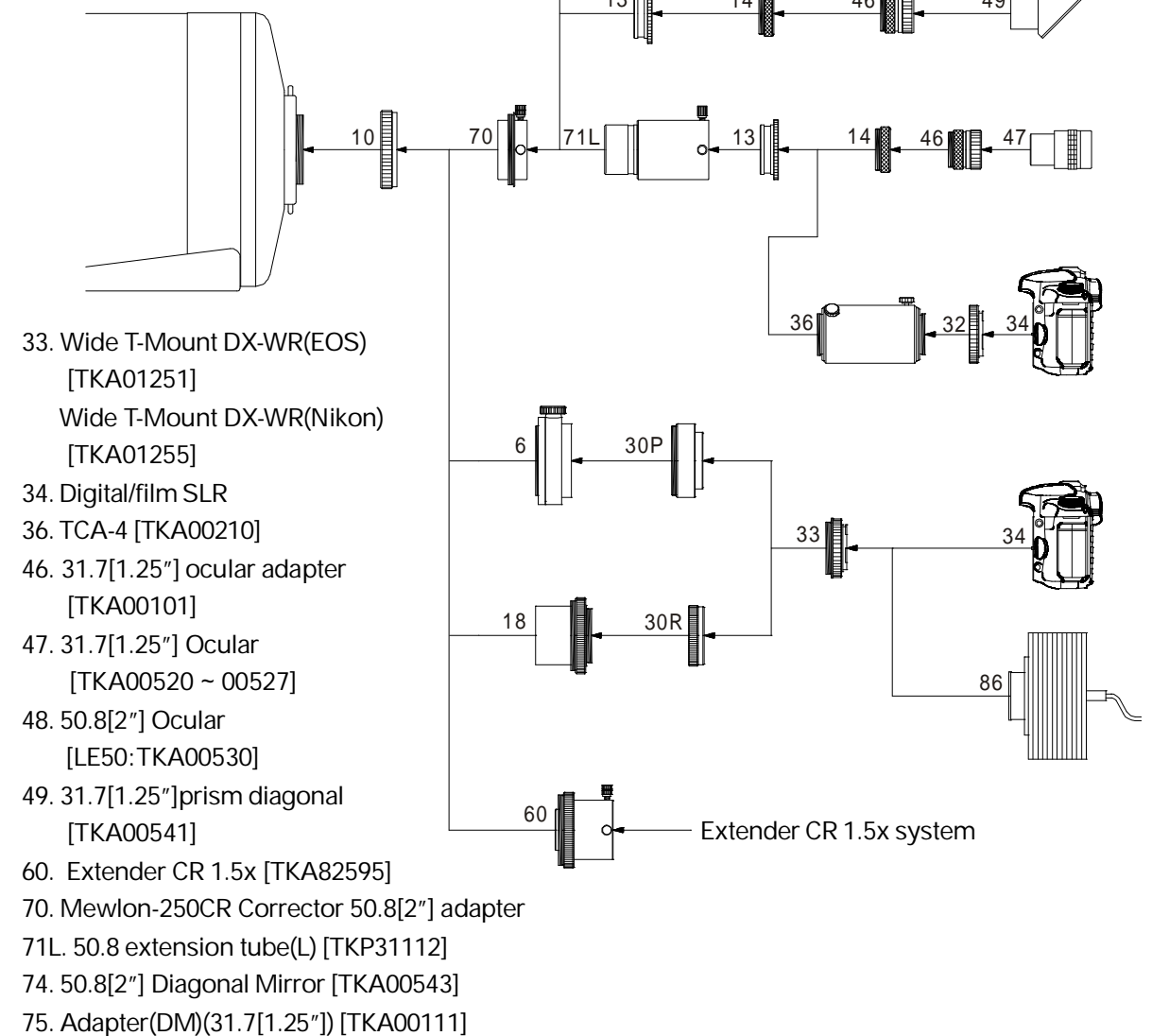
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System Chart

Photo/Visual System Chart

- 6. CAA(TSA-102) [TKA23200]
- 10. M71-M72AD [TKP81111]
- 13. 50.8[2"] sleeve [TKP00113]
- 14. Coupling "S" [TKP00103]
- 18. ReducerCR 0.73x [TKA82580]
- 30P.CA-35(TSA-102) [TKA23201]
- 30R. CA-35(SKY90) [TKA35201]
- 32. T-Mount DX-S(EOS) [TKA01250]
T-Mount DX-S(Nikon) [TKA01254]



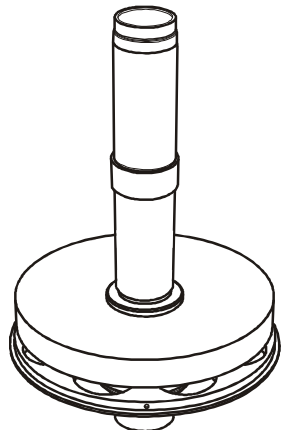
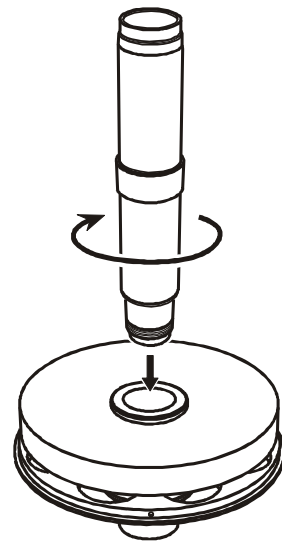
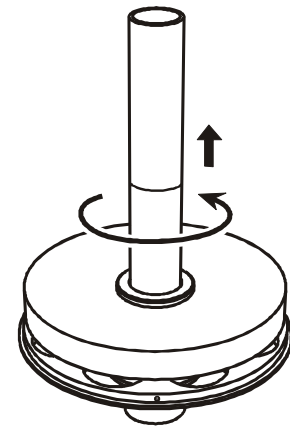
6. Carefully lay the mirror cell down on a level surface and move the tube off of the prepared surface.

7. Firmly grasp and hold the base of the mirror cell and then grab the baffle tube and turn it counter clockwise and unscrew it and remove the old baffle tube. Here again it would be good to have a helper to also hold on to the mirror cell while the original baffle is removed. Should there be a problem, call the distributor for technical assistance.

8. Insert the corrector into the baffle receptacle and carefully screw it into place. It would be best to use cotton or thin rubber gloves when the corrector is grasped to keep fingerprints off the baffle tube for the corrector.

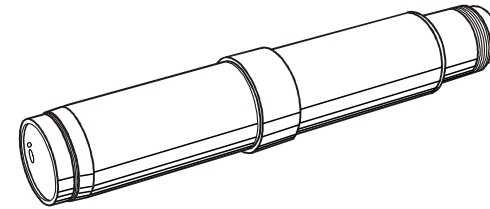
9. After the corrector unit has been installed, place the tube on its nose and re-insert the mirror cell in the predetermined position and re-insert the four screws and tighten them.

When the process has been completed, re-check the collimation and make any necessary collimation adjustments.

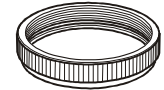


Carton contents

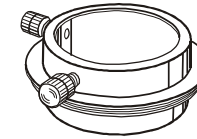
1. Mewlon CR correcting unit



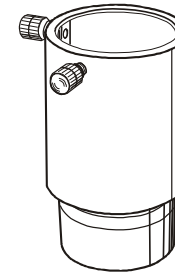
2. M71-M72 Adapter



3. Mewlon-250CR Corrector 2" adapter



4. 2" Extension tube



5. Instruction manual



SPECIFICATIONS

Mewlon-250CR corrector

Effective aperture	250mm
Effective focal length	2500mm
Effective focal ratio	f/10

Reducer-CR 0.73x

Effective focal length	1825mm
Effective focal ratio	f/7.3

Extender-CR 1.5x

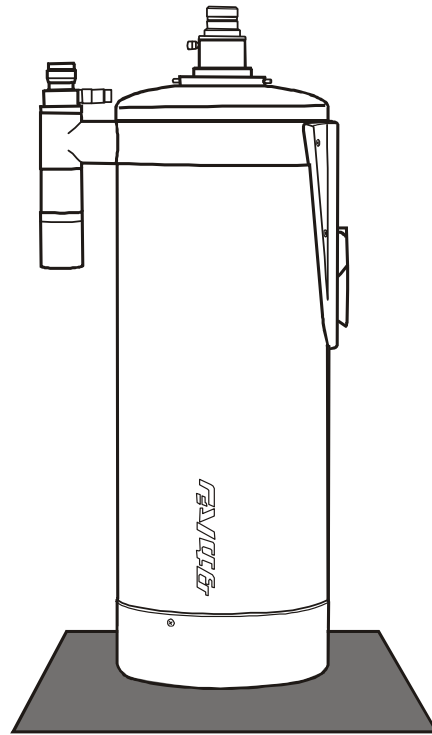
Effective focal length	3780mm
Effective focal ratio	f/15

Installation procedure

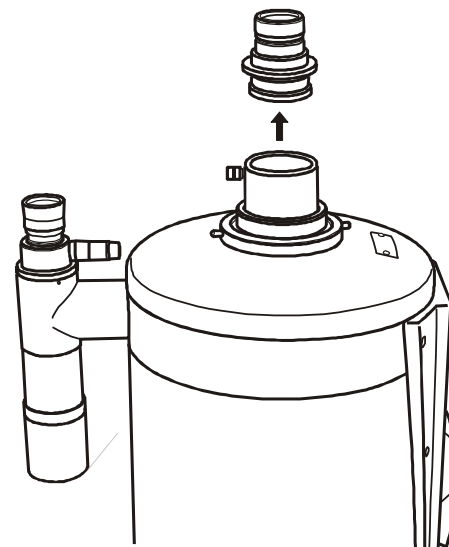
Before installing the Mewlon-250CR corrector, make certain that the telescope is collimated. Collimation is a requirement for installation of the corrector unit. The installation process is straight forward and simple, but great care must be taken with the surface of the main mirror as it is briefly exposed while the corrector is attached.

The only tool needed is a screw driver.

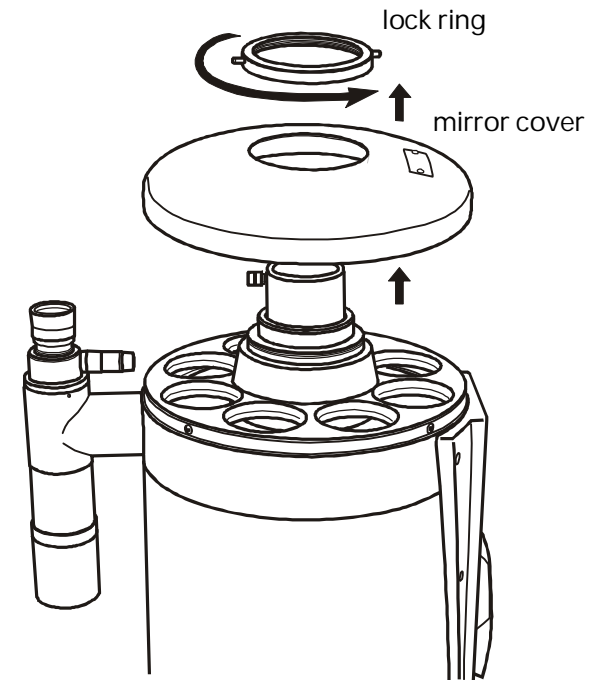
1. Use a sufficiently large and level table for the process. It is best to cover the table with a clean cloth. Stand the M-250 on its nose as shown in the illustration.



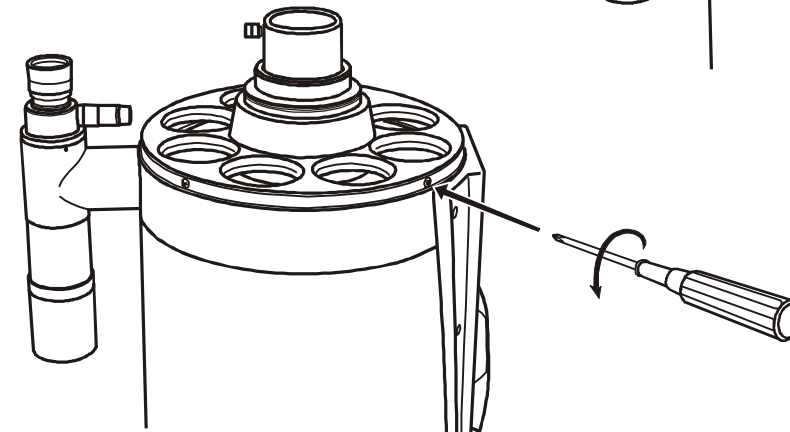
2. Remove the 2" adapter and the knurled lock ring that holds the 2" adapter.



3. Remove the large chromed lock ring that holds the rear mirror cover and remove the mirror cover.



4. Remove the four cross point screws that hold the mirror cell to the tube. Mark the correct orientation with a line on the cell and tube with a water soluble marker or piece of tape.



5. Carefully remove the mirror cell from the tube. It would be best to have a helper hold the tube firmly while the mirror cell is lifted out.[a]

* Caution the cell is heavy and should be lifted out with great care. This is a confined space and the lifting procedure should be slow. Make certain that the baffle tube clears the tube before turning to set the cell down.

