

# Mamiya M645

## Mamiya-Sekor C Interchangeable Lenses Instructions

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**Mamiya**  
CAMERA CO., LTD.

### • Features:

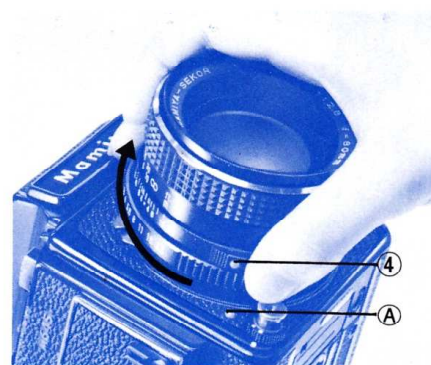
Mamiya M645 bayonet mount,  
Multi-coated, Automatic diaphragm,  
with Exposure meter coupler,  
AM lever provision for depth-of-field  
preview

### • Names of Parts

1. Focusing ring
2. Distance scale
3. Depth-of-field scale
4. Alignment dot
5. Aperture ring
6. Exposure meter coupler
7. AM lever



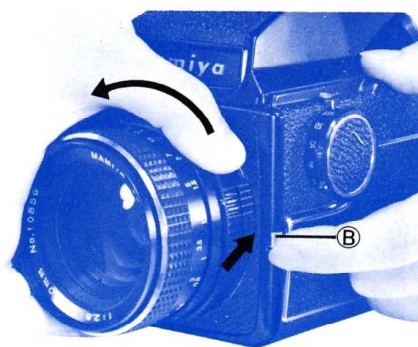
### • Attaching Lenses



While aligning the two alignment dots  
(A & 4), insert lens into camera body.  
Then twist lens clockwise until it clicks  
and locks into place.

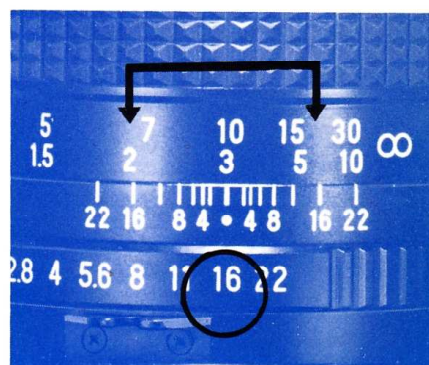


## ● Removing Lenses



While depressing the lens release button (B), grasp the part of the lens barrel that has the depth-of-field scale and alignment dot (4), and twist the lens counterclockwise until it stops. Then lift out.

## ● Depth-of-Field



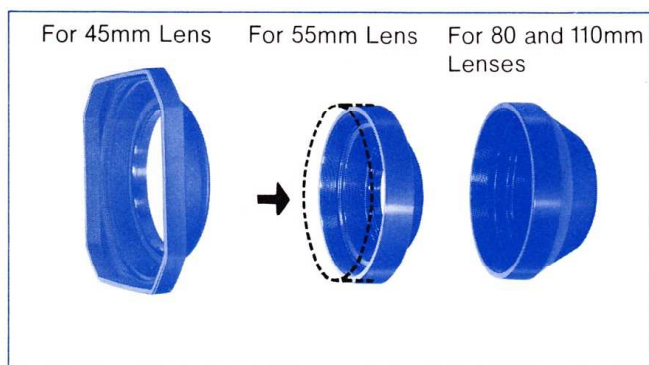
Depth-of-field refers to the total area which will appear in focus. The area of sharpness (depth-of-field) depends upon the distance the lens is focused at, the f/stop being used, and the focal length of the lens. The area that will appear sharp can be determined in two ways:

1. Firstly, by setting the AM lever to the M (Manual) position, the depth-of-field for the aperture set on the lens can be previewed by looking through the finder.
2. The depth-of-field can also be determined by referring to the depth-of-field scale engraved on the lens. The f/stop numbers are engraved on both the right and left-hand sides of the cen-

ter reference mark. Simply locate the f/stop (aperture) you are using and read the figures which appear above the f/stop number on the distance scale of the lens.

For example, with the 80mm f/2.8 lens focused at 10ft. (3m) and the aperture ring set to f/16, the depth-of-field scale reveals that everything from about 7ft. (2m) to about 20ft. (6m) will appear sharp.

## ● Lens Hoods



An important accessory to eliminate the detrimental effects of stray light entering the lens.

The lens hood for the 45mm wide-angle lens is square in shape and the same as the Mamiya RB 67 65mm wide-angle lens hood. The same rubber lens hood is used for 55—110mm lenses. When the rubber lens hood is used on the 55mm wide-angle lens, it is folded back to prevent vignetting.

The telephoto lenses have built-on lens hoods. The built-on lens hood can be used by simply pulling it out. However, if you rotate and pull it out, it comes out even more smoothly.

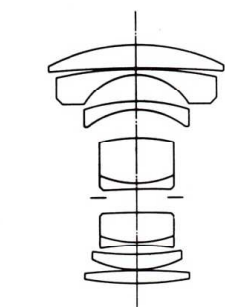
## ● Care and Cleaning

When the lens is not used for a long period of time, do not store the lens in a damp or salty atmosphere.

Never touch the lens surface. If a lens needs cleaning, blow away the dust particles with a blower, and clean surface with lens cleaning tissue and lens cleaner.

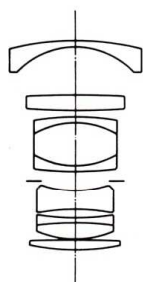
After removing the lens from the camera body, protect the lens by using front and rear lens caps.

**Mamiya-Sekor C  
45mm f/2.8**



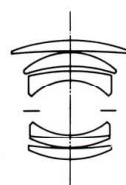
Construction: 9 elements, 7 groups  
Floating system  
Angle of view: 76°  
Aperture range: f/2.8 to 22  
Minimum focusing distance:  
1.75ft. or 0.5m  
Filter size: 77mm  
Lens hood: Slip-on  
Length: 3-1/16" (78mm)  
Maximum diameter: 3-5/32" (80mm)

**Mamiya-Sekor C  
55mm f/2.8**



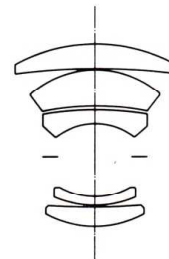
Construction: 9 elements, 6 groups  
Angle of view: 65°  
Aperture range: f/2.8 to 22  
Minimum focusing distance:  
1.75ft. or 0.55m  
Filter size: 58mm  
Lens hood: Screw-in  
Length: 2-25/32" (71mm)  
Maximum diameter: 2-3/4" (70mm)

**Mamiya-Sekor C  
80mm f/2.8**



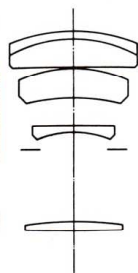
Construction: 6 elements, 5 groups  
Angle of view: 47°  
Aperture range: f/2.8 to 22  
Minimum focusing distance:  
2.25ft. or 0.7m  
Filter size: 58mm  
Lens hood: Screw-in  
Length: 1-27/32" (47mm)  
Maximum diameter: 2-3/4" (70mm)

**Mamiya-Sekor C  
110mm f/2.8**



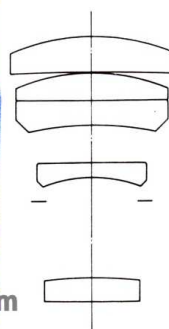
Construction: 5 elements, 5 groups  
Angle of view: 35°  
Aperture range: f/2.8 to 22  
Minimum focusing distance:  
4ft. or 1.2m  
Filter size: 58mm  
Lens hood: Screw-in  
Length: 2-3/8" (60mm)  
Maximum diameter: 2-3/4" (70mm)

**Mamiya-Sekor C  
150mm f/4**



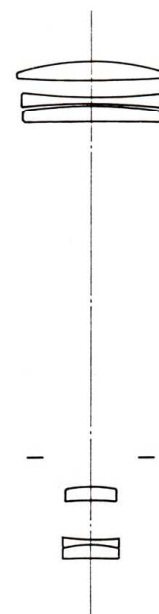
Construction: 5 elements, 4 groups  
Angle of view: 26°  
Aperture range: f/4 to 32  
Minimum focusing distance:  
5ft. or 1.5m  
Filter size: 58mm  
Lens hood: Built-on  
Length: 3-9/16" (90.5mm)  
Maximum diameter: 2-3/4" (70mm)

**Mamiya-Sekor C  
210mm f/4**



Construction: 5 elements, 4 groups  
Angle of view: 19°  
Aperture range: f/4 to 32  
Minimum focusing distance:  
8ft. or 2.5m  
Filter size: 58mm  
Lens hood: Built-on  
Length: 5-13/32" (137mm)  
Maximum diameter: 2-3/4" (70mm)

**Mamiya-Sekor C 500mm f/5.6**



Construction: 6 elements, 5 groups  
Angle of view: 8°  
Aperture range: f/5.6 to 45  
Minimum focusing distance:  
30ft. or 9m  
Filter size: 105mm  
Lens hood: Built-on  
Length: 14-3/32" (358mm)  
Maximum diameter: 4-7/16" (113mm)