



# MAXXUM

35-80MM F4-5.6  
70-210MM F3.5-4.5  
100-300MM F4.5-5.6

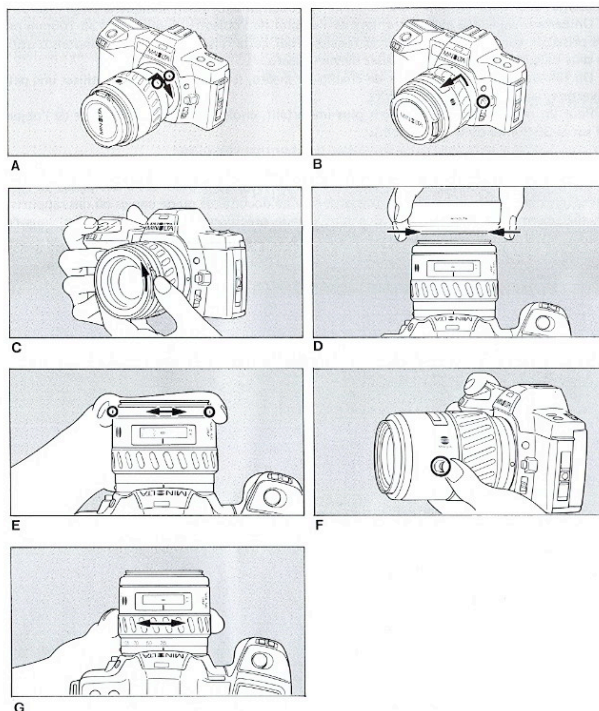
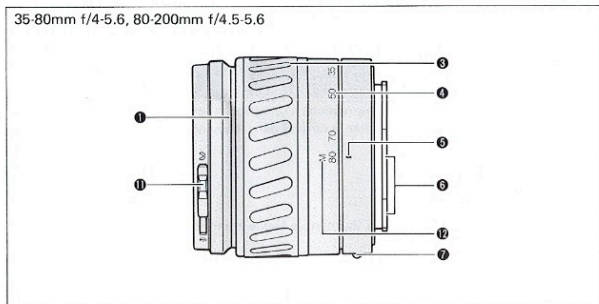
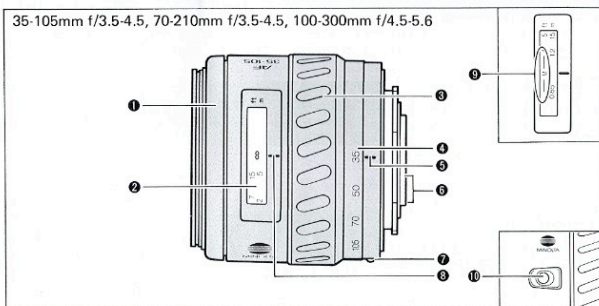
35-105MM F3.5-4.5  
80-200MM F4.5-5.6



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## SPECIFICATION

LENS	ELEMENTS GROUPS	ANGLE OF VIEW	MINIMUM FOCUS	MAXIMUM MAGNIFICATION	MINIMUM F-STOP	FILTER DIAMETER	DIMENSIONS (max. x L)	WEIGHT
AF35-80mm f/4-5.6	8	63°-30°	1.6 ft. (0.5m)	0.18X	f/22-32	46mm	2-9/16x2-5/16 in. (65x58mm)	7-3/4 oz. (220g)
AF35-105mm f/3.5-4.5	12	63°-23°	2.8 ft. (0.85m)	0.15X	f/22-27	55mm	2-11/16x2-5/16 in. (68.5x59.5mm)	10-1/4 oz. (290g)
AF70-210mm f/3.5-4.5	12	34°-12°	3.8 ft. (1.1m)	0.26X	f/22-27	55mm	2-7/8x3-15/16 in. (72.5x100mm)	14-13/16 oz. (420g)
AF80-200mm f/4.5-5.6	9	30°-12°30'	4.9 ft. (1.5m)	0.16X	f/22-27	46mm	2-5/8x3-1/16 in. (67x78mm)	10-9/16 oz. (290g)
AF100-300mm f/4.5-5.6	11	24°-8°10'	4.9 ft. (1.5m)	0.24X	f/32-38	55mm	2-7/8x3-15/16 in. (72.5x100mm)	14-7/16 oz. (410g)

Specifications subject to change without notice.

## NAMES OF PARTS

- ① Focusing ring
- ② Distance scale
- ③ Zooming grip
- ④ Focal-length scale
- ⑤ Focal-length index
- ⑥ Lens contacts
- ⑦ Mounting index
- ⑧ Distance index
- ⑨ Macro range indicator
- ⑩ Focus-hold button (on 70-210mm and 100-300mm zooms only)
- ⑪ Lens-cover slide
- ⑫ Macro index

## ATTACHING AND REMOVING LENS

To attach lens, remove rear lens cap and align mounting index on lens barrel with red index on lens mount. Then insert lens into mount and turn clockwise until it locks in place with a click (A).

To remove lens, hold down lens release on camera and turn lens counterclockwise as far as it will go. Then lift it out of mount (B).

## LENS COVER (for 35-85mm and 80-200mm zooms only)

The 35-80mm and 80-200mm zooms are equipped with built-in lens covers for protection from dust and scratches.

To open lens cover, move lens-cover slide up (C). Be sure lens cover is fully open before taking pictures.

To close lens cover, move lens-cover slide down.

## LENS HOOD (35-105mm, 70-210mm, and 100-300 zooms only)

A clip-on lens hood is supplied with the 35-105mm, 70-210mm, and 100-300mm zooms and can be reversed for compact storage.

To attach lens hood, first remove lens cap. Then squeeze tabs on either side of hood and place it on the lens so it seats securely in the groove (D).

To store lens hood, press side tabs and remove it from lens. Slide hood onto lens in reversed position, press and release tabs to attach. Lens cap may then be replaced.

## FOCUSING

In autofocus mode, camera focuses lens automatically. Avoid touching the focusing ring, as this will obstruct its movement.

To focus lens manually, set focus-mode switch to M. Turn focusing ring until subject appears sharpest (E).

The focus-hold button on the 70-210mm and 100-300mm zooms can be used to lock focus for compositing the photo with the subject off center. When using these lenses with the Maxxum 7000i camera, the function of this button can be changed by using the Customized Function card. For details, refer to the instruction manual for that card.

## NOTE: (35-80mm zoom only)

Changes in temperature cause the lens barrel to expand and contract slightly. At higher temperatures, the focusing mechanism will turn past its nominal infinity point. With auto-focusing, no correction is needed. When focusing manually, always check sharpness in the viewfinder, especially when the focus point is set near infinity.

## ZOOMING

To zoom lens, turn zooming grip to the desired focal length (G).

## MACRO

These lenses focus continually from their minimum focus distance to infinity. There is no need for a separate macro setting. The blue line on the distance scale (35-105mm, 70-210mm, and 100-300mm zooms only) indicates the macro range.

- When using the 35-80mm or 35-105mm lens at or near the minimum focusing distance, the edges of the picture may darken slightly at shorter focal lengths. For this reason, we recommend that close-up pictures be taken at longer focal lengths.

- Since the depth of field when taking macro pictures is small, it is recommended that small apertures, such as f/16 or f/22, be used.

- For the highest magnification, set the lens to its longest focal length (to M on the 35-80mm or 80-200mm zoom).

## NOTE

- The macro range of these lenses is intended for taking pictures of subjects such as flowers. When copying documents or artwork where higher magnification or greater accuracy is desired, use of the Minolta AF 50mm f/2.8 Macro or AF 100mm f/2.8 Macro lens is recommended.

## SETTING APERTURE

To set aperture, use the camera's up/down control or aperture keys in the appropriate exposure mode.

## CARE AND STORAGE

- Do not touch lens contacts.
- Never touch the lens surface with your fingers. If the lens becomes dirty, remove loose matter with a blower brush. If necessary, use photographic lens tissue, which may be moistened with one drop of lens-cleaning fluid. Never drop fluid directly on the lens surface.
- When not in use, always keep the lens capped (lens cover closed on 35-80mm and 80-200mm zooms) and in its case.
- Store away from heat, humidity, and harmful chemicals or vapors.
- For all service or repairs, contact an authorized Minolta service facility.