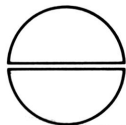


# KIRON

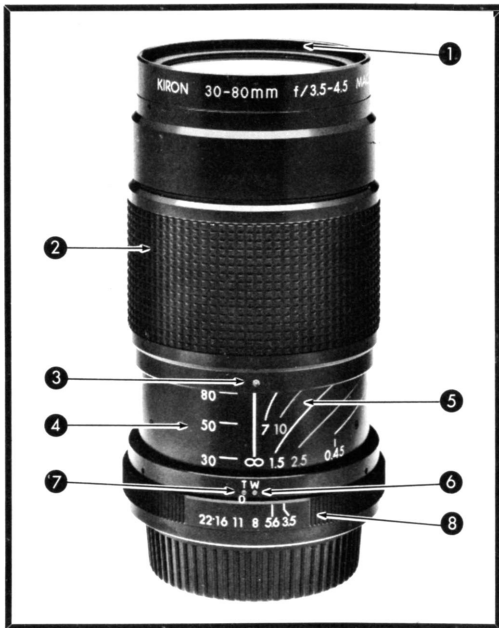


**Varifocal Macro-Focusing Zoom**

**30-80mm**

**f3.5/4.5**

Instructions



A



B



Your new Kiron 30-80mm f3.5-4.5 Varifocal Macro-Focusing Zoom lens is the product of advanced optical design and precision mechanical engineering. We suggest you take a moment or two to familiarize yourself with its features and operation. With proper care, it will provide you with a lifetime of outstanding service.

## Features

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- 1) 55mm Accessory Thread
- 2) Zoom/Focus Ring
- 3) Distance Index
- 4) Focal Length Settings
- 5) Distance Scales
- 6) Wide Angle (30mm) Aperture Index
- 7) Telephoto (80mm) Aperture Index
- 8) Aperture Ring

# Mounting

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Your Kiron lens is designed to be totally compatible with all mounting and exposure mechanisms on your camera. You may therefore follow the standard procedures outlined in your camera's instruction manual.

# Focusing

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Focus carefully. Your Kiron 30-80mm lens has a varifocal design, meaning you must refocus as you change focal lengths. This lens will focus as close as  $9\frac{3}{4}$  inches (.25 m) in the 30mm position, allowing a maximum reproduction ratio of 1:4 ( $\frac{1}{4}$  life-size).

# Exposure Settings

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The effective aperture of this lens changes according to focal length, transmitting approximately one stop more light at 30mm than at 80mm. How you compensate for

this will depend on your method of setting exposure.

With **automatic exposure cameras** the exposure system will compensate by automatically changing either the aperture or the shutter speed.

With **match needle (or match diode) cameras** you must manually readjust either the aperture or shutter speed as you zoom, according to the meter's recommendations.

If you're using a **hand-held exposure meter** or **electronic flash**, you must manually set the lens to the proper aperture index. For example, if your exposure meter or electronic flash unit recommends an exposure setting of f5.6 and the lens is at 30mm, you would set the Aperture Ring **8** to the Wide Angle Aperture Index **6**. (See photo A). If you then zoomed to 80mm, you would move the Aperture Ring to the Telephoto Aperture Index **7**. (See photo B). When the lens is at the 50mm setting, or as a convenience during rapid shooting, you should set the required aperture between the two aperture indices.

## **Special Notice for Canon A-1 and AE-1 owners**

The maximum aperture of your Kiron 30-80mm lens is f3.5 when the lens is used at 30mm, and shifts to f4.5 when the lens is used at 80mm. As far as the meter readout in your camera is concerned, however, the lens can only have a single maximum aperture. We have therefore adjusted this lens to indicate a maximum aperture halfway between f3.5 and f4.5; i.e., f4.0. **This adjustment has no effect on exposure accuracy, nor does it reduce your lens' true maximum aperture.**

## **WARNING!**

Kiron Match Mate<sup>™</sup> teleconverters are designed to be used with certain Kiron zoom lenses only. They may not be optically or mechanically compatible with other lenses, particularly lenses with a focal length of 50mm or less. You should not attempt to mount such lenses onto your Kiron Match Mate. You may damage both your lens and the Match Mate.



# Lens Care

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When using your lens, take normal care to protect the front element from fingerprints, dirt, sand, and water. Many photographers use a Skylight 1A or UV filter for this purpose.

Remove dust with a soft lens brush or a gentle puff of compressed air. Remove fingerprints or other marks with **photographic** lens tissue moistened with **photographic** lens cleaner. Never rub the lens with dry tissue or any other material, since this can scratch the multicoating.

When your lens isn't being used, store it in a cool, dry place with both front and rear caps in place. If you live in a humid climate, store the lens with the supplied package of silica gel.

## Specifications

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Aperture Range:

@ 30mm: f3.5—f16

@ 80mm: f4.5—f22

Optical Construction: 14 elements, 11 groups

Lens Coating: Multicoated

Angles of Acceptance: 70°—31°

Zoom Ratio: 2.7:1

Minimum Focusing Distance from Film Plane: 0.25m  
(9¾ in.) at 30mm

Maximum Reproduction Ratio:

lens alone at 30mm: 1:4

lens with Reverse Mate™\* at 30mm: 2.6:1

lens with Reverse Mate™\* at 80mm: 0.9:1

Accessory Thread Size: 55 mm

Length at Infinity Focus:

@ 30mm: 93mm (3¾ in.)

@ 80mm: 108mm (4¼ in.)

Maximum Barrel Diameter: 64mm (2½ in.)

Weight: 520g (18 oz.)

\*Optional Accessory

Specifications subject to change without notice.

Weights and measures vary slightly according to lens mount.

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