

# WILSONWERKS ARCHIVES

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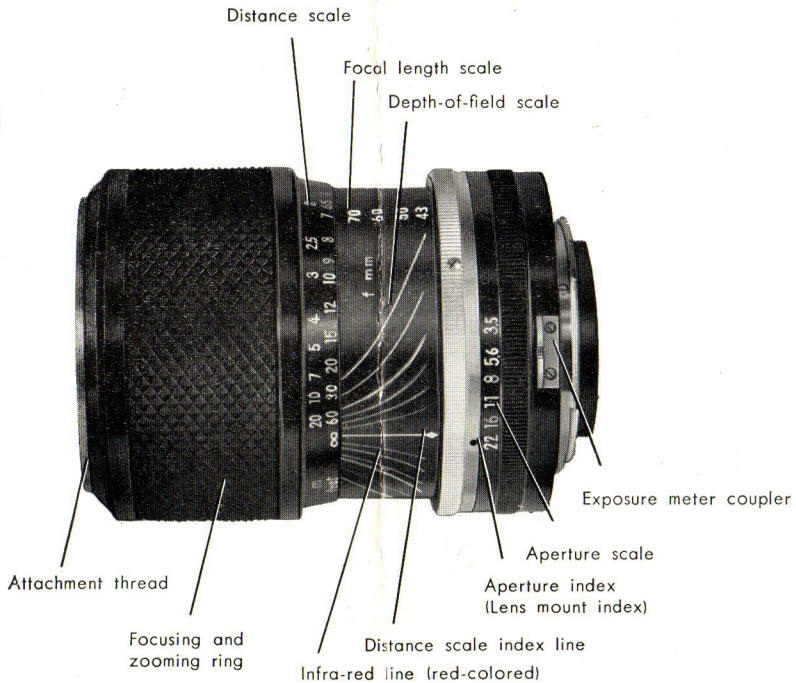
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**ZOOM-NIKKOR AUTO**

**f=43-86 mm f/3.5**



**INSTRUCTIONS**



## ZOOM-NIKKOR AUTO 43-86 mm f/3.5

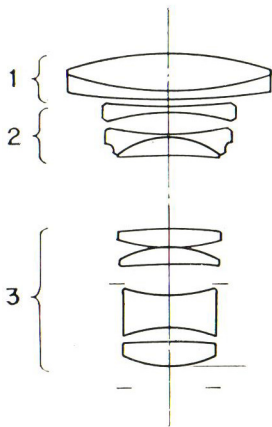
The Zoom-NIKKOR Auto  $f=43-86\text{mm } f/3.5$ , a variable focal length lens, has been designed to be used interchangeably with other NIKKOR lenses, on the Nikon F, Nikon F Photomic-T, TN, FTN or Nikkormat FT, FTN, FS camera.

It permits you to pick out wide-angle, medium and telephoto shots of your subject in quick succession and all with one lens, and to select any image size and picture angle you want, without any distraction or dim-out on the finder screen of the camera.

### Specifications

Focal length and max. aperture :	43 mm - 86 mm, $f/3.5$
Focusing range :	Infinity - 4 ft (1.2 m)
with close-up attachment lens :	5 ft - 2.5 ft (1.5m - 0.75 m)
Focal length graduation :	43, 50, 60, 70, 86 mm
Aperture (f-number) graduation :	3.5, 5.6, 8, 11, 16, 22
Aperture diaphragm :	Fully automatic
Exposure meter coupling :	With Nikon F Photomic-T, TN or FTN Finder and Nikkormat FT, FTN
One-ring control:	Twist to focus, push-pull to zoom.
Depth-of-field scale :	Indicated by color-coded radiating curves
Dimensions :	$2\frac{9}{16}$ " dia. $\times$ $2\frac{3}{4}$ " (65mm dia. $\times$ 70.6mm)
(at $f=43$ mm and infinity focusing)	
Weight of lens :	14 oz (410g)

## Characteristics



The lens system consists of the first and third moving groups and the second fixed group. The first and the third groups move to change the focal length of the whole lens system. In addition, the first group is moved individually for focusing.

The aperture maintains a definite pre-selected ratio at whatever focal length the lens is used. Once the lens is focused for the subject distance, it remains in sharp focus at every focal length. Neither readjustment nor resetting is required.

Zooming (focal length variation) is obtained simply by moving the zooming ring along the optical axis.

Focusing is performed by turning the same ring simultaneously.

The lens has a slotted prong to be coupled to the Photomic-T, TN, FTN or Nikkormat FT. The finder image is seen always bright and clear due to the automatically operating diaphragm of the lens.

## How to use

- Attaching and detaching of the lens varies depending on the camera. For particulars, refer to the instruction manuals on each camera.
- Zooming is performed by moving the zooming ring on the lens barrel back and forth, and focusing is done by revolving the same ring. Consequently you can select your focal length at the same time with focusing.
- Though the focal length scale is graduated in 5 steps, 43, 50, 60, 70, and 86 mm on the right of the distance scale index line, you can pick out any intermediate focal length desired.
- The depth of field for a particular focused distance and aperture ratio is read on the radiating curves which extend on both sides of the distance scale index line, each differently colored to match the colored f-number figure on the aperture scale.  

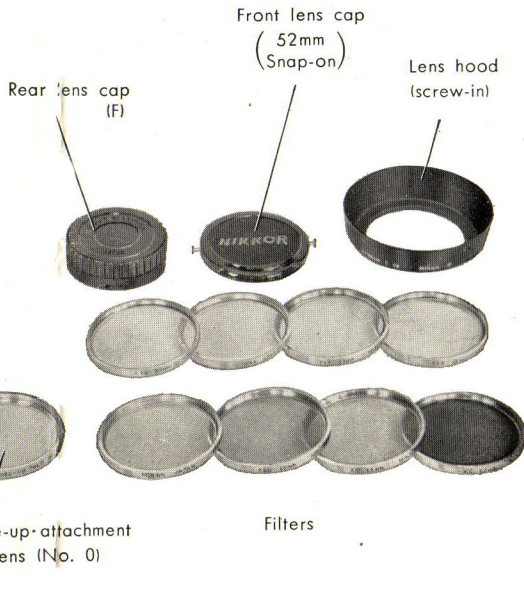
The distance scales are graduated in both "meter" and "foot", the former in white, the latter in yellow.
- Close-up attachment lens No. 0, when attached on the front of the master lens, permits photographing subjects at a distance from 5 ft to 2.5 ft (1.5 m - 0.75 m).

- When you take infra-red pictures, correct focusing by rotating the focusing and zooming ring so that the distance which you have read at the distance scale is brought in line with the red-colored curve found in the depth-of-field scale.

## Accessories

Front lens cap:	52mm, snap-on type
Case:	Clear plastic
• Rear lens cap:	"F" cap for NIKKOR Auto lens
• Close-up attachment lens:	No. 0
• Filter:	52mm, screw-in type
• Lens hood:	Screw-in type lens hood for NIKKOR Auto 35mm is used
• Extension rings:	Type E <sub>2</sub> and K
• Leather case	
• Flexible pouch	
( • Available on order)	

Nikon F Photomic-T camera  
with Zoom-Nikkor Auto







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