The Minolta SR System

ROKKOR INTERCHANGEABLE LENSES

Rokkor Lenses Are Made in Minolta's Own Factories Minolta is one of only two camera companies in Japan, and one of the few in the world, to manufacture its own lenses. Only with such rigid quality control over every step in lens manufacture... from raw glass to finished mount ...can Minolta assure the proper mating of optics and mechanical design.

Exclusive "Achromatic" Coating As part of its continuing program of optical research, Minolta developed and patented a process called "Achromatic" coating. This consists of a double coating of fluorides, plus other special ingredients to provide vastly superior color rendition. As a result, colors are noticeably warmer and more vibrant.

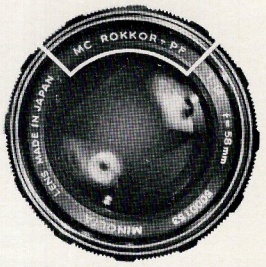
Unlimited Versatility Ranging from 18mm ultra-wide-angle to 1000mm super-telephoto, and including special optics for macro and zoom photography, Rokkor lenses comprise one of the largest optical systems available for any 35mm reflex camera. In combination with a Minolta SR camera and a wide range of special accessories, these superb lenses can master virtually any photographic problem.

The Rokkor Bayonet Mount Specially designed for rapid, foolproof interchangeability, the Rokkor bayonet mount is smooth, tight, wobble-free and extremely strong. There is no trace of backlash.

Three Types of Rokkor Lenses The Rokkor lens system is actually composed of three different "series" of lenses. These three lens "series" are designated:

1) MC Rokkor Lenses
2) Auto-Rokkor Lenses
3) Rokkor Lenses

Despite its particular "series" designation, each Rokkor lens is completely interchangeable with all other Rokkor lenses... and each may be used on any Minolta SR camera model. The "series" designations are intended only to show various degrees of automatic diaphragm control.

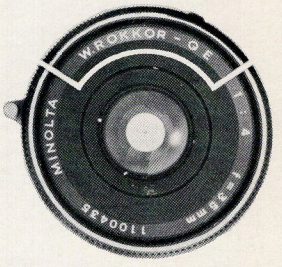


MC Rokkor Lenses Specially designed for use with the Minolta SR-T 101, MC Rokkor lenses are equipped with a "*M*eter *C*oupler" to permit exposure measurement and setting at maximum aperture. As the aperture ring on an MC Rokkor is turned, changes in lens opening are reflected on the "follow-needle" scale in the Minolta SR-T 101 viewfinder. When the shutter release button is pressed...and not until then...MC Rokkor lenses "close down" automatically to the aperture that has been pre-set for correct exposure. After the shutter is released, the MC Rokkor lens aperture returns automatically to its maximum opening. Thus, with MC Rokkor lenses, the viewfinder of the Minolta SR-T 101 is always at maximum brightness for composing, setting aperture and shutter speed and focusing.

When used on all other Minolta SR cameras*, MC Rokkor lenses operate as standard automatic diaphragm lenses—automatically remaining at maximum aperture at all times except during the moment of exposure.

Auto-Rokkor Lenses When used with Minolta SR cameras* other than the Minolta SR-T 101, Auto-Rokkor lenses function as fully automatic. The diaphragm remains at maximum aperture until the shutter release button is pressed...closes down automatically for exposure at the pre-set aperture... then re-opens automatically for the next exposure.

When used with the Minolta SR-T 101, Auto-Rokkor lenses operate semi-automatically. Simply press the "meter coupler" (see page 6). Then turn the diaphragm ring until the needles are aligned in the finder. Press the "meter coupler" again and the diaphragm will open to full aperture for focusing, closing down automatically to pre-test aperture only when the shutter is released and re-opening automatically to full aperture after exposure.

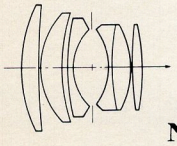


Rokkor Lenses These are manual pre-set lenses ...meaning that the aperture always remains as it is set manually... before, during and after exposure. Manual pre-set Rokkor lenses may be used with all Minolta SR cameras.

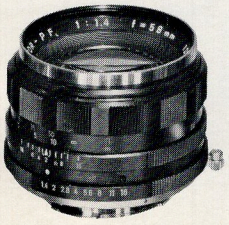
A through-the-lens exposure reading may easily be obtained when using manual pre-set Rokkor lenses on the Minolta SR-T 101. It is not necessary to use the "meter coupler". Simply set the desired shutter speed first. Then set the maximum aperture of the lens on the *black* diaphragm ring. Lastly, turn the *silver* diaphragm ring until the needles are aligned in the viewfinder. You have now set the aperture for correct exposure and may release the shutter.

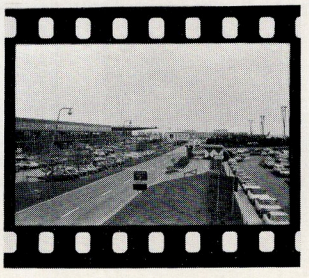
*Minolta SR-1, SR-3, SR-7, SR-1 (Model V), SR-7 (Model V)

Normal Lenses For the 35mm film format, a lens is considered "standard" or "normal" when its field of view is approximately 43° (equal to the 43.4mm diagonal of a 24 x 36mm frame). The Minolta SR-T 101 is equipped with an MC Rokkor 58mm f/1.4 normal lens. The Minolta SR-1 (Model V) and SR-7 (Model V) are each equipped with an Auto-Rokkor 55mm f/2 normal lens. Among professional photographers, these lenses are prized for their superior resolving power and color rendition.

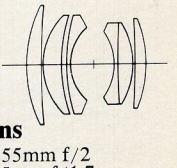


Normal Lens
MC Rokkor
58mm f/1.4
6 elements, 5 groups
Diaphragm: Auto pre-set
Angle of view: 41°
Minimum focus: to 1.97 feet
Filter mount diameter: 55mm
Marked for infrared
MC Rokkor: #1211/1212
Auto Rokkor: #1215/1216





normal lens coverage



Normal Lens
Auto-Rokkor 55mm f/2
MC Rokkor 55mm f/1.7
6 elements, 5 groups
Diaphragm: Auto pre-set
Angle of view: 43°
Minimum focus: to 1.75 feet
Filter mount diameter: 52mm
Marked for infrared
Auto-Rokkor: #1205/1206
MC Rokkor: #1221/1222

Printed in U.S.A.

The Minolta SR System

ROKKOR WIDE ANGLE LENSES

(18mm to 45mm)

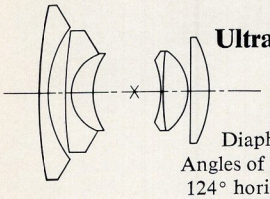
Any lens giving an angle of view greater than 45° with a 35mm camera can be considered a wide angle, able to "take in" a much greater part of the scene than would a normal lens from the same vantage point. There are six wide angle lenses in the Minolta/Rokkor system, ranging in angle of view from 52° to a phenomenal 180° (far wider than the eye can see). The letter "W" precedes the name "Rokkor" on each of these wide angle lenses (except the semi-wide angle 45mm f/2.8).

18mm ultra wide angle lens Provides angles of view of 180° diagonally, 124° horizontally and 76° vertically . . . filling the entire 24 x 36mm frame without the "cut-off corners" generally associated with extreme wide angle lenses and providing unusual corner-to-corner sharpness rarely found in a lens of this type. Designed to attach flush with the lens mount, the W-Rokkor 18mm does not interfere with mirror movement and is used with the camera's reflex viewing system. Y48 and UV filters are provided with the W-Rokkor 18mm and screw into the back of the lens. Aperture from f/9.5 to f/22 may be set at or between click-stop positions.

21mm super wide angle lens A 92° angle of view provides over twice the coverage of a normal lens. The image is uniformly bright over the entire film plane with no image distortion. Since the mirror must be locked out of the light path when this lens is used, a special viewfinder is provided which clips on to the top of the camera. While the W-Rokkor 21mm may be used with the Minolta SR-T 101, the locked up mirror prevents through-the-lens exposure measurement.

28mm wide angle lens With a 75° angle of view, the 28mm focal length is well able to handle the majority of wide angle subjects. An automatic diaphragm closes down to a pre-set f/stop for shooting, re-opens fully between pictures. The lens has a unique 7-element construction, designed to reduce distortion and aberration to a minimum. Two concave lens elements in the front group reduce chromatic aberrations to a minimum and prevent image blurring.

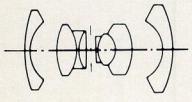
35mm wide angle lenses The 35mm f/2.8 and the 35mm f/4 lenses are retrofocus in design and are optically corrected for minimum error. Correction for spherical aberration yields images that are sharp from corner to corner, permitting full frame enlargements. Many photographers have made the 35mm focal length their standard lens for candids, news photography and photo journalism because of its great depth-of-field.



Ultra Wide Angle Lens

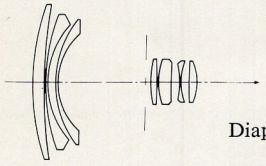
W-Rokkor
18mm f/9.5
6 elements, 4 groups
Diaphragm: Manual pre-set
Angles of view: 180° diagonally; 124° horizontally; 76° vertically
Minimum focus: Fixed from 18″
Filters: Y48, UV provided
#1403/1404

special viewfinder
for W-Rokkor 21mm lens



Super Wide Angle Lens

W-Rokkor
21mm f/4
8 elements, 4 groups
Diaphragm: Manual pre-set
Angle of view: 92°
Minimum focus: to 3 feet
Filter mount diameter: 55mm
Marked for infrared
#1401/1402

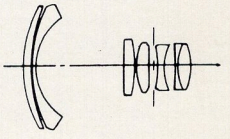


Wide Angle Lens

MC W-Rokkor
Auto W-Rokkor
28mm f/3.5
7 elements, 7 groups
Diaphragm: Auto pre-set
Angle of view: 76°
Minimum focus: to 2 feet
Filter mount diameter: 67mm
Marked for infrared
MC W-Rokkor: #1303/1304
Auto W-Rokkor: #1301/1302

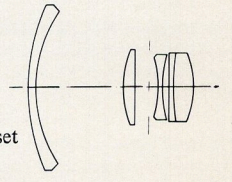
Wide Angle Lens

MC W-Rokkor
Auto W-Rokkor
35mm f/2.8
7 elements, 6 groups
Diaphragm: Auto pre-set
Angle of view: 64°
Minimum focus: 1.3 feet
Filter mount diameter: 52mm (MC Rokkor)
55mm (Auto-Rokkor)
Marked for infrared
MC W-Rokkor: #1313/1314
Auto W-Rokkor: #1311/1312



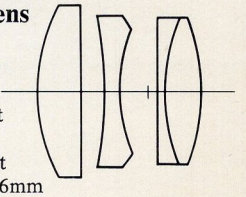
Wide Angle Lens

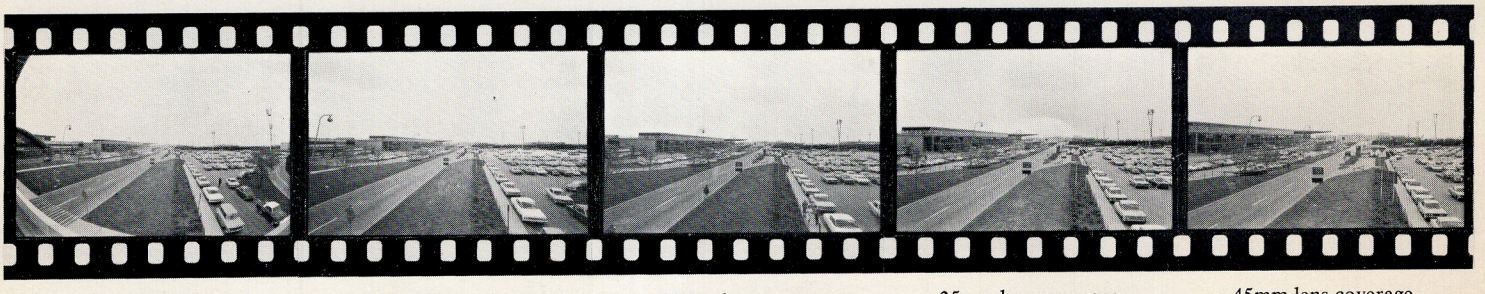
W-Rokkor
35mm f/4
5 elements, 4 groups
Diaphragm: Manual pre-set
Angle of view: 64°
Minimum focus: 1.3 feet
Filter mount diameter: 55mm or 52mm
Marked for infrared
#1411/1412



Semi Wide Angle Lens

Auto Rokkor
45mm f/2.8
4 elements, 3 groups
Diaphragm: Auto pre-set
Angle of view: 52°
Minimum focus: to 3 feet
Filter mount diameter: 46mm
Marked for infrared
#1415/1416





18mm lens coverage | 21mm lens coverage | 28mm lens coverage | 35mm lens coverage | 45mm lens coverage

The Minolta SR System

ROKKOR TELEPHOTO LENSES

(100mm to 135mm)

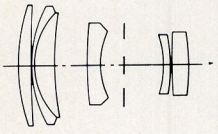
Telephoto lenses are characterized by an angle of view of less than 40° and magnification power greater than the 1:1 (life-size) obtainable with normal lenses. Thus, they are able to "reach out," optically speaking, and bring the subject closer than would a normal lens from the same vantage point. For quick identification, the word "tele" precedes the name "Rokkor" on each of these telephoto lenses.

Classified as medium telephotos, these Rokkor lenses offer a choice of automatic diaphragms (in MC Rokkor or Auto-Rokkor series) or manual pre-set diaphragms.

Rokkor 100mm lenses offer a choice of f/2, f/3.5 or f/4 maximum apertures and feature unusually lightweight, compact design for hand-held shooting under most circumstances. With magnification almost 2X that of a normal lens, the 100mm Rokkors are ideal for candid and portrait photography, providing a longer working distance from the subject to compensate for features which are closest to the lens (nose, ears and chin). The Rokkor 100mm f/2 lens provides an ideal combination of automatic diaphragm control, compactness and high speed for dim-light, hand-held shooting.

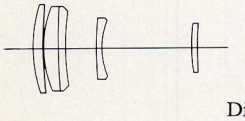
The 135mm telephoto lens has long been a popular focal length among working photographers. Its 2.7X magnification is great enough to bring moderately distant subjects into frame-filling proportions. Both the 135mm f/2.8 and the 135mm f/4 lenses deliver critically sharp pictures even at the minimum focusing distance.

Medium Telephoto Lens



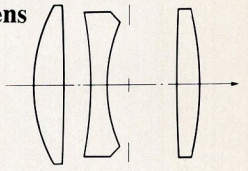
MC Tele Rokkor
Auto Tele Rokkor
100mm f/2
6 elements, 5 groups
Diaphragm: Auto pre-set
Angle of view: 24°
Minimum focus: to 4 feet
Filter mount diameter: 62mm
Marked for infrared
MC Tele Rokkor: #1327/1328
Auto Tele Rokkor: #1325/1326

Medium Telephoto Lens



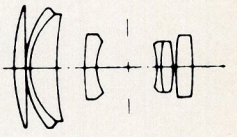
MC Tele Rokkor
Auto Tele Rokkor
100mm f/3.5
5 elements, 4 groups
Diaphragm: Auto pre-set
Angle of view: 24°
Minimum focus: to 4 feet
Filter mount diameter: 52mm (MC Rokkor)
55mm (Auto-Rokkor)
Marked for infrared
MC Tele Rokkor: #1318/1319
Auto Tele Rokkor: #1321/1322

Medium Telephoto Lens

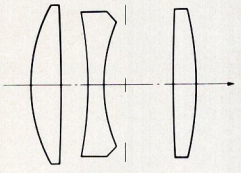


Tele Rokkor
100mm f/4
3 elements, 3 groups
Diaphragm: Manual pre-set
Angle of view: 24°
Minimum focus: to 4 feet
Filter mount diameter: 46mm
Marked for infrared
#1421/1422

Medium Telephoto Lens

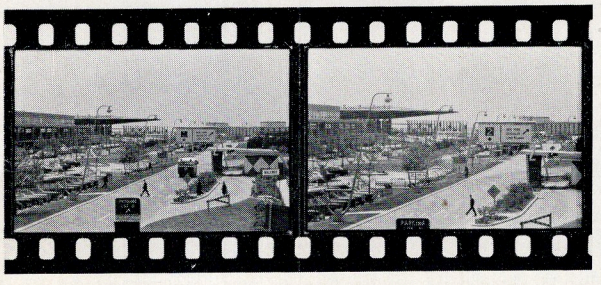


MC Tele Rokkor
Auto Tele Rokkor
135mm f/2.8
6 elements, 5 groups
Diaphragm: Auto pre-set
Angle of view: 18°
Minimum focus: to 5 feet
Filter mount diameter: 55mm
Marked for infrared
MC Tele Rokkor: #1333/1334
Auto Tele Rokkor: #1331/1332



Medium Telephoto Lens

Tele Rokkor
135mm f/4
3 elements, 3 groups
Diaphragm: Manual pre-set
Angle of view: 18°
Minimum focus: to 5 feet
Filter mount diameter: 46mm
Marked for infrared
#1431/1432



100mm lens coverage

135mm lens coverage

The Minolta SR System

ROKKOR TELEPHOTO LENSES

(200mm to 1000mm)

These lenses provide the photographer with magnifications from 4X to 20X that of a normal lens and range in angles of view from 12° to 2.5°.

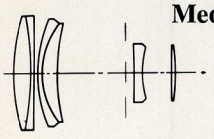
Classified as medium telephotos, the 200mm Rokkors offer a choice of automatic (MC Rokkor and Auto-Rokkor) or manual pre-set diaphragms. They are specially designed to offer the photographer greater optical "reach" without the addition of substantially more weight or bulk. Ideal for sports coverage.

Rokkor long telephoto lenses range from 300mm to 1000mm. Because it is advisable to use a tripod with any lens above 300mm, each Rokkor long telephoto is equipped with a tripod socket which supports it at mid-section for perfect camera balance.

The Rokkor 300mm f/4.5 is fast enough to capture action even under relatively poor light conditions. Its fully corrected optics provide excellent resolution across the entire negative. The medium speed Rokkor 300mm f/5.6 provides superb optical performance at an economical price and is ideal where use is to be generally limited to normal light situations.

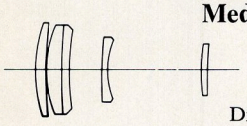
Four elements in three groups, combined with precision mounting, make the Rokkor 600mm f/5.6 lens ideal for nature and long distance photography. Many industrial and scientific photographic problems can also be solved with this needle-sharp lens. Resolution is fine enough to reproduce distant detail invisible to the naked eye.

The Rokkor 1000mm f/6.3 lens is of the catadioptric (mirror) type. This unique construction, consisting basically of several mirrors which bounce light back and forth between each other, permits 20X magnification within a relatively short overall length. Aperture settings of f/6.3, f/11, f/16 and f/22 are controlled by three built-in neutral density filters set into a revolving turret. A second revolving turret contains built-in Y48 (Yellow), O (Orange), R60 (Red) and UV filters which may be removed and replaced by other filters.



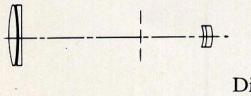
Medium Telephoto Lens

MC Tele Rokkor
Auto Tele Rokkor
200mm f/3.5
6 elements, 4 groups
Diaphragm: Auto pre-set
Angle of view: 12°
Minimum focus: to 7 feet
Filter mount diameter: 67mm
Marked for infrared
MC Tele Rokkor: #1343/1344
Auto Tele Rokkor: #1341/1342



Medium Telephoto Lens

Tele Rokkor
200mm f/5
5 elements, 4 groups
Diaphragm: Manual pre-set
Angle of view: 12°
Minimum focus: to 8 feet
Filter mount diameter: 52mm
Marked for infrared
#1435/1436

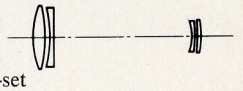


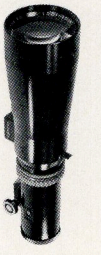
Long Telephoto Lens

Tele Rokkor
300mm f/4.5
4 elements, 4 groups
Diaphragm: Manual pre-set
Angle of view: 8°
Minimum focus: to 15 feet
Filter mount diameter: 77mm
Marked for infrared
Built-in tripod socket
#1441/1442

Long Telephoto Lens

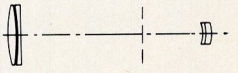
Tele Rokkor
300mm f/5.6
4 elements, 4 groups
Diaphragm: Manual pre-set
Angle of view: 8°
Minimum focus: to 15 feet
Filter mount diameter: 62mm
Marked for infrared
Built-in tripod socket
#1445/1446





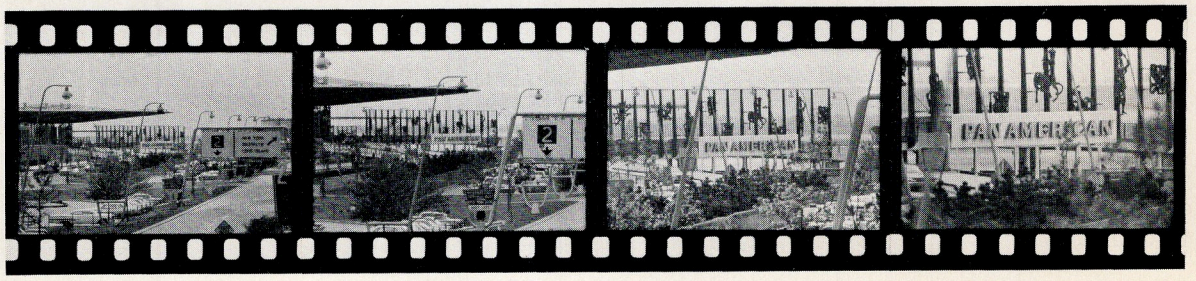
Long Telephoto Lens

Tele Rokkor
600mm f/5.6
4 elements, 3 groups
Diaphragm: Manual pre-set
Angle of view: 4°
Minimum focus: to 33 feet
Filter mount diameter: 126mm
Marked for infrared
Built-in tripod socket
#1451/1452



Long Telephoto Lens

Tele Rokkor
1000mm f/6.3
Diaphragm: fixed apertures of f/6.3, f/11, f/16, f/22 controlled by neutral density filters in turret
Angle of view: 2.5°
Minimum focus: to 100 feet
Filters: Built-in turret holds four filters (Y48, O, R60, UV)
Built-in tripod socket and handle
#1455/1456



200mm lens coverage | 300mm lens coverage | 600mm lens coverage | 1000mm lens coverage

Printed in U.S.A.

The Minolta SR System

ROKKOR ZOOM LENSES

A zoom lens is a lens which offers continuously variable focal lengths and, as a result, a range of magnifications and angles of view. Because they are inherently complex, zoom lenses require even more rigid quality control and precise design than do fixed focal length lenses. For this reason, and in order to obtain resolving power equal to that of Rokkor fixed focal length lenses, Rokkor zoom lenses are computer designed and incorporate rare glasses unknown until very recently.

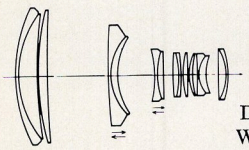
Rokkor zoom lenses offer unparalleled versatility to users of Minolta SR cameras. From just four Rokkor zoom lenses, the photographer can choose any of an infinite number of focal lengths from 50mm to 500mm. By simply turning the barrel of these lenses, the user can precisely frame even fast moving subjects. Because of a unique system of "optical compensation," each Rokkor zoom lens is as bright and sharp at each of its infinite number of focal lengths as it is at any one of them. The same depth-of-field scale can be maintained at any focal length. Each Rokkor zoom lens has a depth-of-field preview control.

Patented "Achromatic" double coating is provided on all Rokkor zoom lenses, resulting in superior color rendition and an unusually high rate of light transmission.

Rokkor 50-100mm, 80-160mm and 160-500mm zoom lenses are equipped with automatic diaphragms which remain at maximum aperture for viewing and focusing, close down automatically to preset aperture during the moment of exposure, then re-open automatically to full aperture. When used with the Minolta SR-T 101, these zoom lenses provide semi-automatic diaphragm operation. (For details, see page 11.)

In a test report on the Rokkor 50-100mm zoom lens, Modern Photography stated: "In terms of picture taking, there are few lenses of single focal length which can equal the performance of the Minolta zoom at any focal length."

The Rokkor 100-200mm zoom lens is equipped with a manual pre-set diaphragm. According to a Modern Photography test report: "In field tests no pre-set zoom lens ever proved easier to operate than this Rokkor. It was possible to focus and zoom, using left thumb and forefinger, yet easily flip the pre-set diaphragm open and shut with a middle finger."

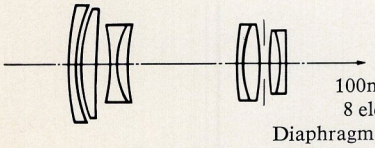


Zoom Lens

Auto Zoom Rokkor
50mm-100mm f/3.5
15 elements, 9 groups
Diaphragm: Auto pre-set
Widest angle of view: 46°
Narrowest angle of view: 24°
Minimum focus: to 6 feet
Filter mount diameter: 77mm
Method of zoom control: ring
Marked for infrared
Built-in tripod socket
#1371/1372

Zoom Lens

Auto Zoom Rokkor
80mm-160mm f/3.5
15 elements, 10 groups
Diaphragm: Auto pre-set
Widest angle of view: 30°
Narrowest angle of view: 15°
Minimum focus: to 8 feet (to 4.6 feet with attachment)
Filter mount diameter: 77mm
Method of zoom control: ring
Marked for infrared
Built-in tripod socket
#1361/1362



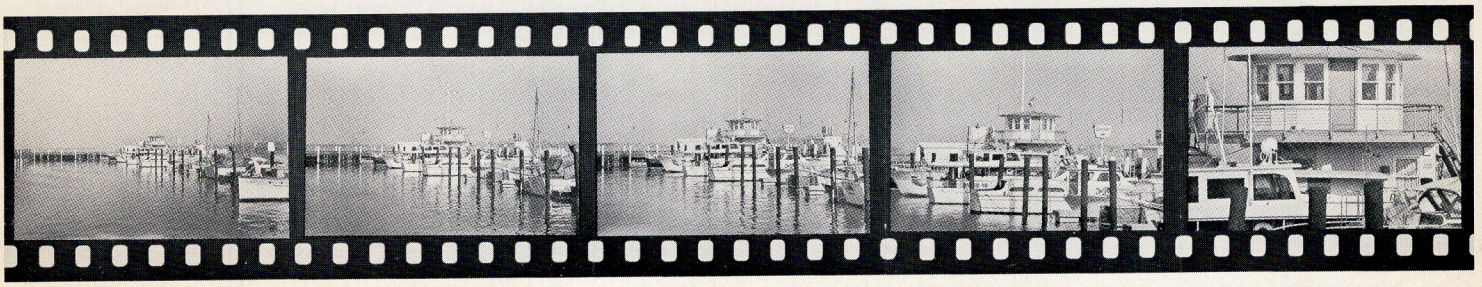
Zoom Lens

Zoom Rokkor
100mm-200mm f/5.6
8 elements, 5 groups
Diaphragm: Manual pre-set
Widest angle of view: 24°
Narrowest angle of view: 12°
Minimum focus: to 7 feet
Filter mount diameter: 52mm
Method of zoom control: slide
Marked for infrared
Built-in tripod socket
#1425/1426

Zoom Lens

Auto Zoom Rokkor
160mm-500mm f/8
16 elements, 11 groups
Diaphragm: Auto pre-set
Widest angle of view: 15°
Narrowest angle of view: 5°
Minimum focus: to 15 feet
Filter mount diameter: 77mm
Method of zoom control: ring
Marked for infrared
Built-in tripod socket
#1351/1352

An infinite number of focal lengths from 50 to 500mm



50mm 80mm 100mm 160mm 500mm

The Minolta SR System

ROKKOR MACRO AND CLOSE-UP LENSES

With these two specially designed Rokkor lenses, Minolta has made macrophotography easier and more practical than ever before.

Macro Rokkor 50mm f/3.5 This lens is specifically designed for extreme close-up photography. The fourth and fifth elements in its six element construction are made of a new type of optical glass, resulting in an absolute minimum of spherical and chromatic aberration. It is one of the sharpest lenses ever made and will resolve 100 lines per mm.

In macrophotography, the lens is extended much further than usual to get closer to the subject. As a result, the distance between lens and film plane increases and, when magnification ratios are larger than 1:8, an adjustment must be made in exposure. (The term "magnification ratio" simply indicates the direct relationship between image size and subject size. A 1:1 magnification ratio indicates that the dimension of the image on the film is identical to that of the actual subject. A 2:1 ratio would indicate that image size is twice that of the subject.)

Exposure for macrophotography must be increased depending on the magnification ratio. For instance, when an object is to be photographed life-size or at a 1:1 magnification ratio, the aperture becomes effectively ½ its indicated value. Exposure should then be increased by one stop. A formula or table may be used to give you the proper exposure factor after measurements are made to determine magnification ratios.

These complex and time-consuming calculations are completely eliminated with the Macro Rokkor lens. Engraved on the lens barrel is all the information needed to properly adjust exposure for macrophotography.

When used with the Minolta SR-T 101, the Macro Rokkor need only be focused on the subject through the reflex viewing system, with the resulting magnification ratio appearing as an engraved number on the lens barrel. Or you may set the desired magnification ratio first and move the camera accordingly to obtain proper focus. Once focused, the Macro Rokkor functions as a manual pre-set lens in conjunction with the through-the-lens exposure system of the Minolta SR-T 101 (for details, see page 11). All adjustment for exposure, regardless of magnification ratio, is completely automatic, since exposure readings are taken through the lens.

When used with all other Minolta SR cameras (Minolta SR-7, Model V; Minolta SR-1, Model V; Minolta SR-7; Minolta SR-3; Minolta SR-2; Minolta SR-1), the Macro Rokkor automatically compensates for the proper exposure factor at any given magnification. Special markings are progressively exposed as the lens is focused closer. These serve as a reference point to which the diaphragm ring is turned for proper exposure. If the light meter reading calls for an aperture setting of f/11 and the last visible magnification ratio on the barrel is 1:1, turn the diaphragm ring so that f/11 aligns with the furthest visible marker . . . you have actually changed the diaphragm to f/8, a one-stop increase.

When bayonetted into the camera along with its SR mount adaptor, the Macro Rokkor will allow you to come close enough to take pictures ½ life-size. Greater magnification can be obtained, up to 1:1, by fitting the intermediate ring between the lens and the camera.

When used with the 1:1 intermediate ring, the lens automatically locks in an upside-down position, exposing a second scale for this magnification range. The effective aperture of the lens changes from f/3.5 to f/4.8.

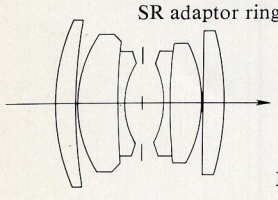
When extreme magnifications must be made, the lens is reversed and attached by a special threaded ring to the Minolta Extension Bellows. When used this way, the Macro Rokkor permits enlargements up to five times the normal subject size. An exposure conversion table is supplied for this particular application since the lens is focused by using the bellows.

The operating ease and versatility of the Macro Rokkor, combined with its superior optical performance, makes this lens an extremely valuable tool for the serious photographer. In addition, because of its extreme sharpness and unusually flat field, the Macro Rokkor has gained wide acceptance as an enlarging lens.

Rokkor 135mm f/4 for use with Minolta Bellows A specially constructed 135mm lens designed for use with the Minolta Extension Bellows. Its ability to focus from infinity down to close-up distances makes this lens ideal for nature photography, portraiture and copying. Magnification ratios as low as 1:1.1 can be achieved with the Rokkor 135mm f/4 and extension bellows. A threaded adaptor is included with the lens.

Macro Lens System

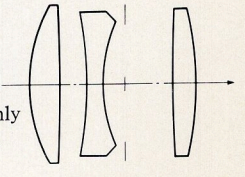
(consisting of macro lens, intermediate tube, SR adaptor ring, reverse ring, tightening key)



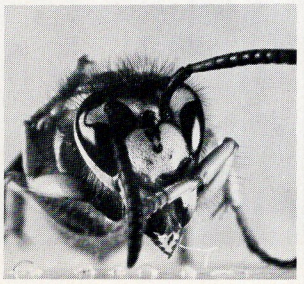
Macro Rokkor
50mm f/3.5
6 elements, 4 groups
Diaphragm: Manual pre-set
Angle of view: 45°
Minimum focus: to 9 inches
Filter mount diameter: 55mm
#1481/1482

Close-Up Lens

Rokkor TC
135mm f/4
3 elements, 3 groups
Diaphragm: Manual pre-set
Angle of view: 18°
Focus: for use with bellows only
Filter mount diameter: 46mm
#1491/1492



The world of close-up and macrophotography presents startling new views of common, everyday objects.



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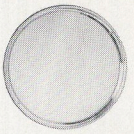
The Minolta SR System

FILTERS FOR ROKKOR LENSES



Precision optics, for best performance, require equally precise filters. For this reason, Minolta solid glass filters, like Rokkor lenses, are made in Minolta's own factories to the world's highest standards of optical quality. Surfaces are ground optically flat to avoid distortion and the discs are mounted in satin-finished metal rings, threaded to seat perfectly.

Filters are invaluable aids in heightening or diminishing specific kinds of photographic effects. Choosing the right filter is easy and can make a world of difference in the finished photo or transparency. Here, basically, are the effects you can expect from different types of filters:

Yellow: Suitable for general photography. Renders red and yellow objects lighter than the eye sees them. Also used to darken skies—emphasize clouds.

UV: Used to absorb excessive ultra-violet light when shooting mountain, snow, sea and other distant scenes. Tends to cut through haze.

Red: Used with panchromatic as well as infrared films. Darkens blue subjects and lightens red and green objects. Yields unusual moonlight effects for daylight landscapes.

Orange: Absorbs UV, blue and some green light. Lightens yellows and reds.

Green-Orange: Similar to orange but with a less exaggerated effect.

Polarizing: Helps to eliminate or control reflections. Can also be used to darken skies or produce dramatic cloud effects. Can be used as a neutral density filter to cut light in extreme brightness (snow, beach, etc.).

Filters Available for Rokkor Lenses

ROKKOR LENS	MOUNT DIAMETER	YELLOW	UV	RED	ORANGE	GREEN-ORANGE	POLARIZING
18mm f/9.5	*	YES*	YES*				
21mm f/4	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	
28mm f/3.5	67mm	YES #1751	YES #1752				
MC 35mm f/2.8	52mm	YES #1706	YES #1707	YES #1710	YES #1708	YES #1709	YES #1722
35mm f/2.8	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	YES #1721
35mm f/4	52mm	YES #1706	YES #1707	YES #1710	YES #1708	YES #1709	YES #1722
35mm f/4	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	YES #1721
45mm f/2.8	46mm	YES #1741	YES #1742				
55mm f/2—55mm f/1.7	52mm	YES #1706	YES #1707	YES #1710	YES #1708	YES #1709	YES #1722
58mm f/1.4	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	YES #1711
100mm f/2	62mm	YES #1731	YES #1732				
MC 100mm f/3.5	52mm	YES #1706	YES #1707	YES #1710	YES #1708	YES #1709	YES #1722
100mm f/3.5	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	YES #1711
100mm f/4	46mm	YES #1741	YES #1742				
135mm f/2.8	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	YES #1711
135mm f/4	46mm	YES #1741	YES #1742				
200mm f/3.5	67mm	YES #1751	YES #1752				
200mm f/5.0	52mm	YES #1706	YES #1707	YES #1710	YES #1708	YES #1709	YES #1722
300mm f/4.5	77mm	YES #1761	YES #1762				
300mm f/5.6	62mm	YES #1731	YES #1732				
600mm f/5.6	126mm						
1000mm f/6.3	**	YES**	YES**	YES**	YES**		
50-100mm f/3.5 ZOOM	77mm	YES #1761	YES #1762				
100-200mm f/5.6 ZOOM	52mm	YES #1706	YES #1707	YES #1710	YES #1708	YES #1709	YES #1722
80-160mm f/3.5 ZOOM	77mm	YES #1761	YES #1762				
160-500mm f/8 ZOOM	77mm	YES #1761	YES #1762				
50mm f/3.5 MACRO	55mm	YES #1701	YES #1702	YES #1705	YES #1703	YES #1704	YES #1711
135mm f/4 TC BELLOWS	46mm	YES #1741	YES #1742				

*Filters screw into back of Rokkor 18mm f/9.5 lens and are supplied with lens.

**Filters are mounted in a revolving turret built into the Rokkor 1000mm lens, but may be interchanged at will.

ROKKOR INTERCHANGEABLE LENSES: SUMMARY OF SPECIFICATIONS

LENS	TYPE	FOCAL LENGTH	MAXIMUM APERTURE	# ELEMENTS	# GROUPS	DIAPHRAGM	ANGLE OF VIEW	MINIMUM FOCUS	FILTER MOUNT DIAMETER	LENS SHADE DIAMETER	OVERALL LENGTH WHEN MOUNTED	WEIGHT
W-Rokkor	ultra-wide angle	18mm	f/9.5	6	4	manual pre-set	180°	18 inches fixed			1.63 inches	8.3 ozs.
W-Rokkor	super-wide angle	21mm	f/4	8	4	manual pre-set	92°	3 feet	55mm		0.4 inches	5.8 ozs.
MC W-Rokkor Auto W-Rokkor	wide angle	28mm	f/3.5	7	7	auto pre-set	76°	2 feet	67mm	70mm (optional)	2 inches	12.1 ozs.
MC W-Rokkor Auto W-Rokkor	wide angle	35mm	f/2.8	7	6	auto pre-set	64°	1.3 feet	52mm 55mm	54mm (optional) 57mm (optional)	1.4 inches 1.52 inches	7.2 ozs. 10.5 ozs.
W-Rokkor	wide angle	35mm	f/4	5	4	manual pre-set	64°	1.3 feet	52mm 55mm	54mm (optional) 57mm (optional)	1.36 inches 1.44 inches	6.4 ozs. 7.4 ozs.
Auto-Rokkor	semi-wide angle	45mm	f/2.8	4	3	auto pre-set	52°	3 feet	46mm	48mm (optional)	0.64 inches	4.6 ozs.
MC Rokkor	normal	55mm	f/1.7	6	5	auto pre-set	43°	1.75 feet	52mm	54mm (optional)	1.4 inches	7.5 ozs.
Auto-Rokkor	normal	55mm	f/2	6	5	auto pre-set	43°	1.75 feet	52mm	54mm (optional)	1.4 inches	7.5 ozs.
MC Rokkor	normal	58mm	f/1.4	6	5	auto pre-set	41°	1.97 feet	55mm	57mm (optional)	1.64 inches	11.3 ozs.
MC Tele Rokkor Auto Tele Rokkor	medium telephoto	100mm	f/2	6	5	auto pre-set	24°	4 feet	62mm	62mm (supplied)	2.52 inches	15 ozs.
MC Tele Rokkor Auto Tele Rokkor	medium telephoto	100mm	f/3.5	5	4	auto pre-set	24°	4 feet	52mm 55mm	54mm (supplied) 57mm (supplied)	2.16 inches 2.36 inches	8.3 ozs. 10.9 ozs.
Tele Rokkor	medium telephoto	100mm	f/4	3	3	manual pre-set	24°	4 feet	46mm	48mm (supplied)	3.2 inches	8.5 ozs.
MC Tele Rokkor Auto Tele Rokkor	medium telephoto	135mm	f/2.8	6	5	auto pre-set	18°	5 feet	55mm 55mm	57mm (supplied) 57mm (supplied)	3.4 inches 4.6 inches	14.7 ozs. 18.6 ozs.
Tele Rokkor	medium telephoto	135mm	f/4	3	3	manual pre-set	18°	5 feet	46mm	48mm (supplied)	4.6 inches	13.7 ozs.
MC Tele Rokkor Auto Tele Rokkor	medium telephoto	200mm	f/3.5	6	4	auto pre-set	12°	7 feet	67mm	67mm (supplied)	5.52 inches	27.1 ozs.
Tele Rokkor	medium telephoto	200mm	f/5	5	4	manual pre-set	12°	8 feet	52mm	52mm (supplied)	5.96 inches	15.1 ozs.
Tele Rokkor	long telephoto	300mm	f/4.5	4	4	manual pre-set	8°	15 feet	77mm	77mm (supplied)	10 inches	36 ozs.
Tele Rokkor	long telephoto	300mm	f/5.6	4	4	manual pre-set	8°	15 feet	62mm	62mm (supplied)	7.88 inches	19.2 ozs.
Tele Rokkor	long telephoto	600mm	f/5.6	4	3	manual pre-set	4°	33 feet	126mm	126mm (supplied)	21.2 inches	165 ozs.
Tele Rokkor	long telephoto	1000mm	f/6.3			fixed at f/6.3, f/11, f/16, f/22	2.5°	100 feet	49mm built-in	200mm (supplied)	18 inches	23.2 lbs.
Auto Zoom Rokkor	zoom	50-100mm	f/3.5	15	9	auto pre-set	46°—24°	6 feet	77mm	77mm (supplied)	5 inches at 50mm	31 ozs.
Zoom Rokkor	zoom	100-200mm	f/5.6	8	5	manual pre-set	24°—12°	7 feet	52mm	52mm (supplied)	7 inches at 100mm	19.5 ozs.
Auto Zoom Rokkor	zoom	80-160mm	f/3.5	15	10	auto pre-set	30°—15°	8 feet	77mm	77mm (supplied)	8.24 inches at 80mm	47.8 ozs.
Auto Zoom Rokkor	zoom	160-500mm	f/8	16	11	auto pre-set	15°—5°	15 feet	77mm	77mm (supplied)	19.6 inches at 160mm	97.5 ozs.
Macro Rokkor	macro	50mm	f/3.5	6	4	manual pre-set	45°	9 inches	55mm		2.16 inches	9.1 ozs.
Rokkor TC (for bellows)	close-up	135mm	f/4	3	3	manual pre-set	18°	for bellows only	46mm	48mm (optional)	2.2 inches	7.1 ozs.

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