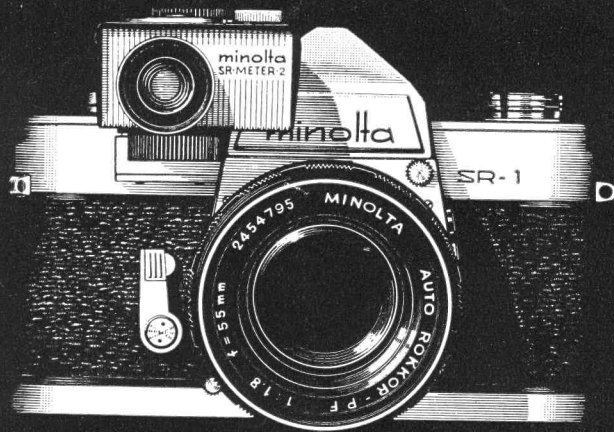




OWNER'S MANUAL

Minolta SR-1



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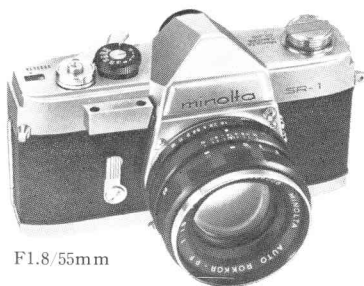
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Congratulations! You now own an exceptionally precise camera that far exceeds the demands of the average photographer. The elements contained within it will meet any photographic situation on a professional level.

All about your Minolta SR-1

Your Minolta SR-1 features the world-famous Rokkor F1.8/55mm, F2.0/55mm or F2.0/53mm lens treated with an exclusive Achromatic coating to give you high fidelity sharpness particularly in color photography. The camera contains an extremely bright penta prism viewing system and a completely automatic pre-set diaphragm. Please read this manual carefully so that you may effectively utilize the full potential of your new Minolta SR-1. (All illustrations used in this booklet are with the F1.8 lens. There is no fundamental difference in usage between the F1.8 and F2.0 lenses.)



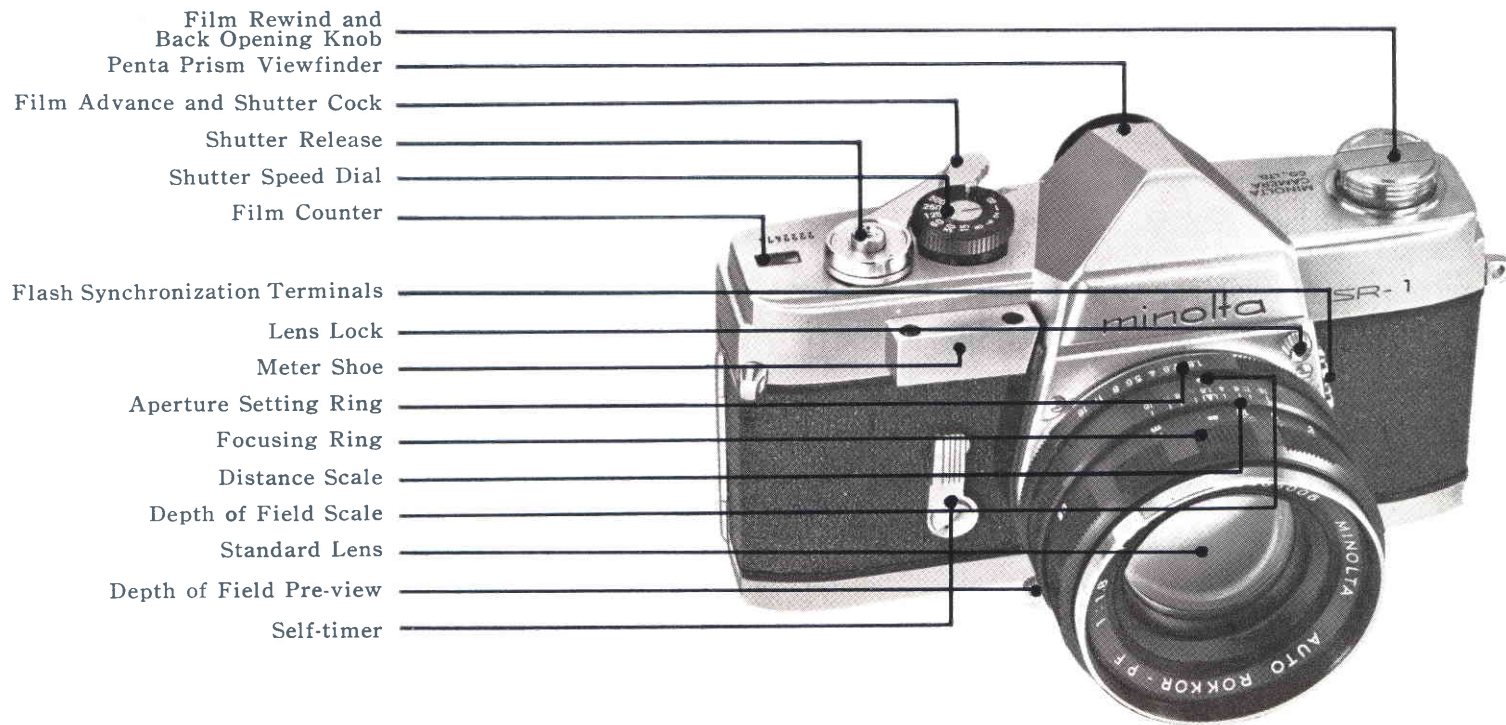
F1.8/55mm

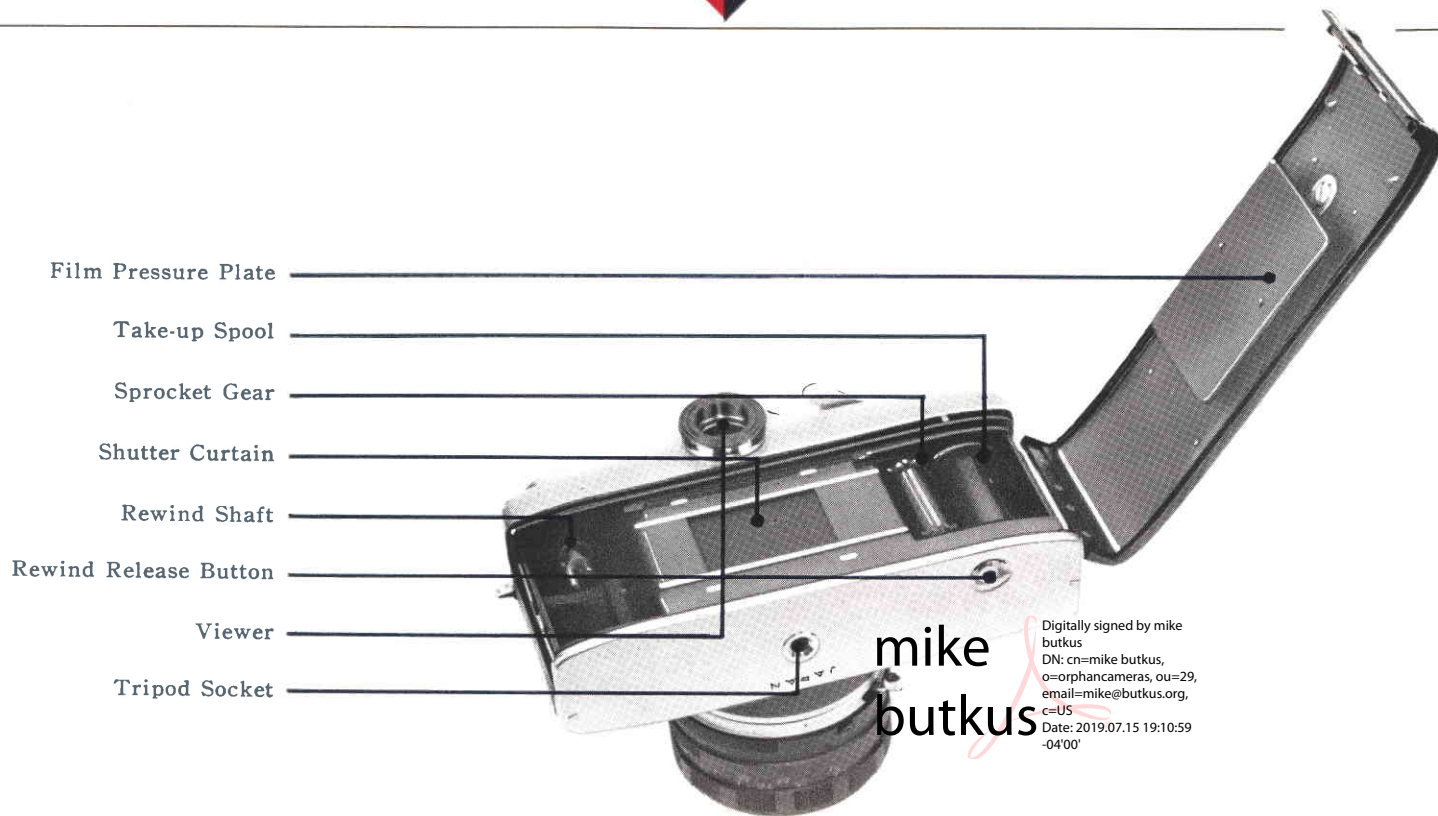


F2.0/53mm

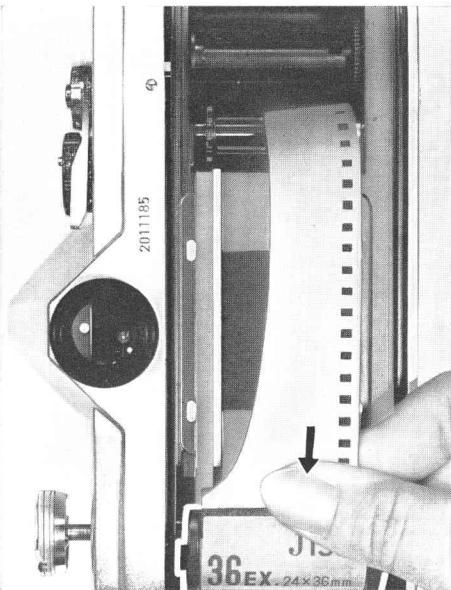
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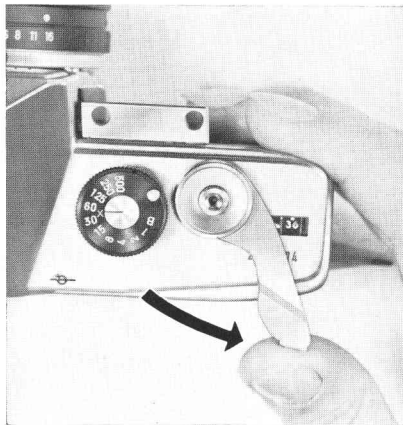




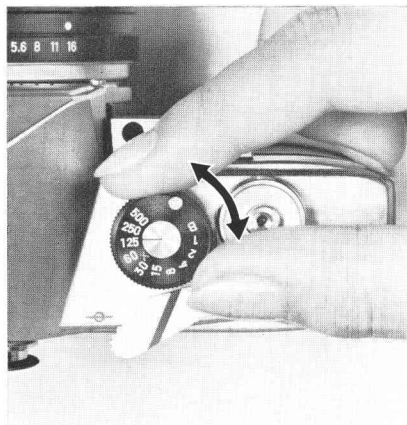
1. Load film



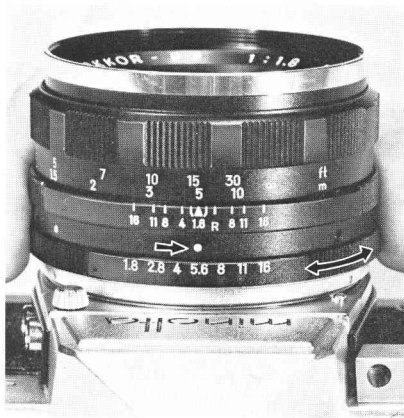
2. Advance lever



3. Set shutter speed



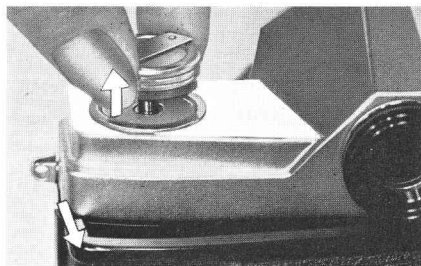
4. Set Aperture



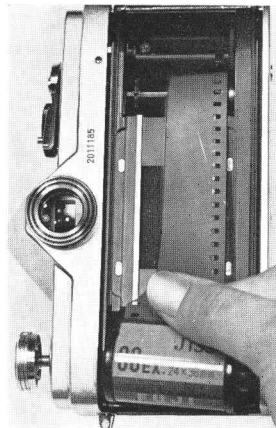
5. Focus and Frame 6. Press shutter



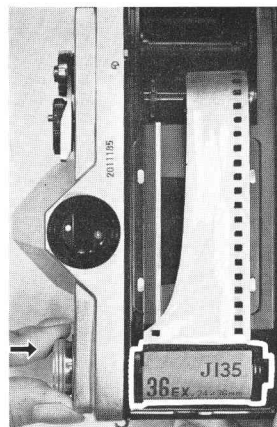
(Each step is explained in detail on the following pages.)



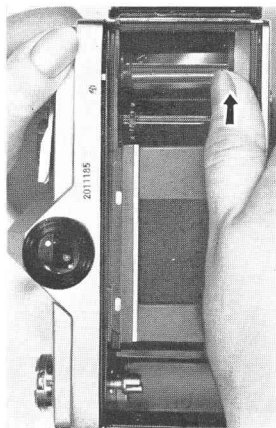
- 1 To open the camera back, pull out the rewind knob until it stops. Then with a slight extra pull, the back will snap open. Exposure counter will automatically return to start position.



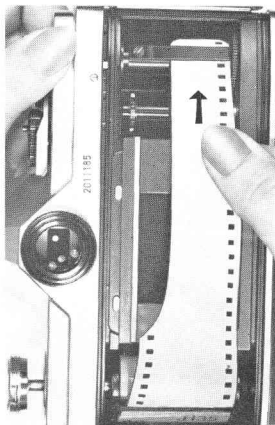
- 2 Insert film magazine into the chamber so that the axis of the magazine is on the bottom side of the chamber.



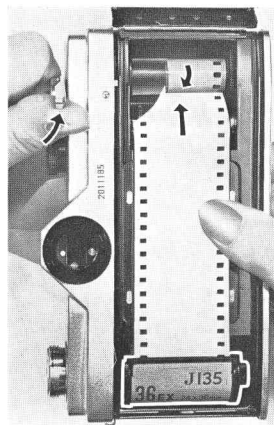
- 3 Push the rewind knob down. If you should have any difficulty, turn the knob slightly and push down again.



4 Turn the knurled base of the film take-up spool until the film catching clip faces upward.



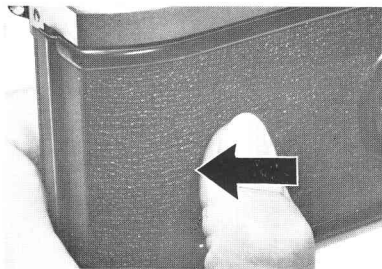
5 Insert the film leader into the take-up spool. Make sure the sprocket gear teeth are engaged with the film perforations.



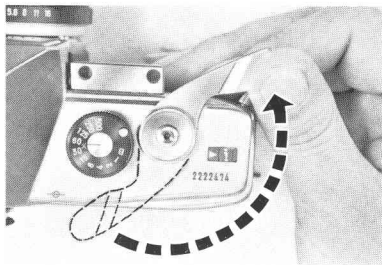
6 Advance the film lever until both sides of the film perforations are engaged properly with the sprocket gear. When the advance lever stops, release the shutter so you can advance further.

Film loading or unloading should be done in the shade.

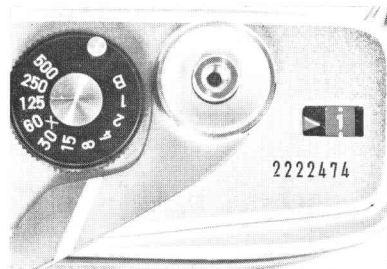
When loading the film, be sure not to touch the shutter curtain.



- 7 Please make sure the film is parallel to the camera body before closing the camera back.



- 8 Advance the lever until it stops and then release the shutter. Repeat this action twice and you are ready to shoot.



- 9 The film counter window indicates when the first film frame is in position ready to be exposed.

If the film is loose in the cartridge you can tighten it very slowly by turning the rewind knob clockwise.

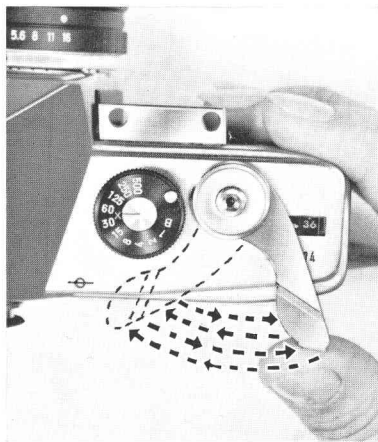
As a convenient reminder, set the indicator located on the back of the camera to the emulsion speed number (ASA or DIN) of the film you have just loaded. Simply turn the dial to the corresponding

number of your film speed. For color film use the red figures.

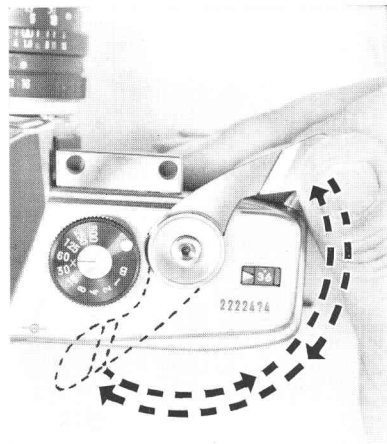


The shutter cannot be released until the film advancing lever is completely wound. If, after advancing the lever, the shutter release is still locked, advance the lever again until it stops. When winding the film advance lever, you will feel some resistance just before the end of the stroke. This is normal mechanical resistance. Keep winding until it stops completely.

Caution: At slow shutter speeds such as 1 second or 1/2 second, do not advance film while shutter is in motion.



The film advance lever performs the following five actions simultaneously:



1. Advances the film
2. Advances the film counter
3. Cocks the shutter
4. Sets the quick return mirror
5. Opens the diaphragm fully

You can turn the lever either with several short strokes or one 180 degree stroke.

The shutter speed dial is marked with figures 1 to 500 plus B and X.

The figures 1, 2, 4, 8, 15, etc., indicate shutter speeds of 1 second, 1/2 second, 1/4 second up to 1/500 second.

The B position, or bulb, enables you to keep the shutter open as long as the shutter button is pressed down. This position is used when more than one second exposure is required.

The X position corresponds to about 1/50 second speed. This speed is used with electronic flash equipment.



Setting the shutter

Turn the dial to the desired speed, lining it up with the center red line.

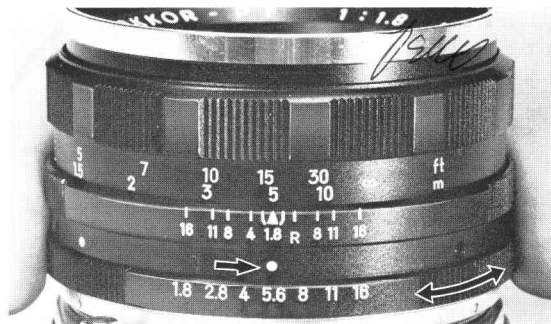
The diaphragm ring has aperture figures from 1.8 to 16. Turn the diaphragm ring so that the desired aperture figure coincides with the white dot.

The click stops enable you to use intermediate aperture openings between any two f/stops. The larger the aperture figure, the less light volume is permitted

through the lens. For example, at f16 the diaphragm is closed down to a pin-point opening; at f1.8 the lens is wide open. The relationship between aperture and light volume is shown on the scale below.

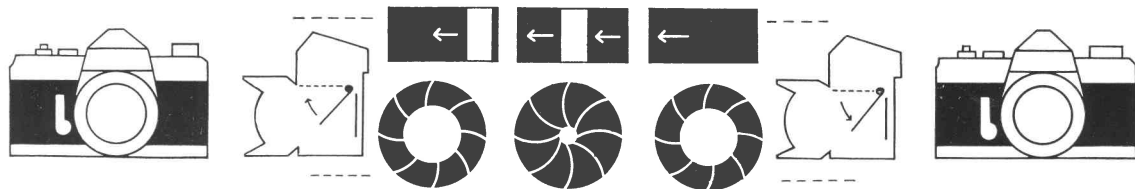
Diaphragm can be set either before or after advancing the film lever.

Aperture	1.8	2.8	4	5.6	8	11	16
							
Light volume	2.4	1	1/2	1/4	1/8	1/16	1/32



One of the superb features of the Minolta SR-1 is its completely automatic pre-set diaphragm. In a conventional single lens reflex camera, when the lens is stopped down the visual field of view becomes darker thus making it difficult to focus. In the Minolta SR-1, the lens is completely automatic and pre-set; aperture is always at maximum opening until

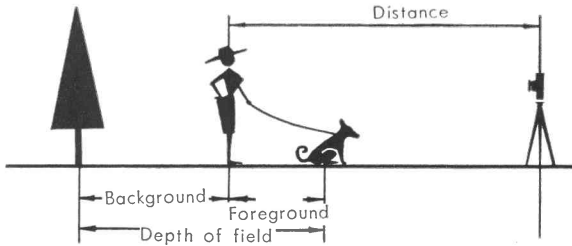
the shutter is released. Consequently, focusing can be quickly determined through the extra bright viewfinder no matter what aperture you have preselected. When the shutter is released, the diaphragm closes to pre-set aperture, the mirror clears, the picture is taken the mirror returns, the diaphragm re-opens to maximum aperture...all simultaneously, all automatically.





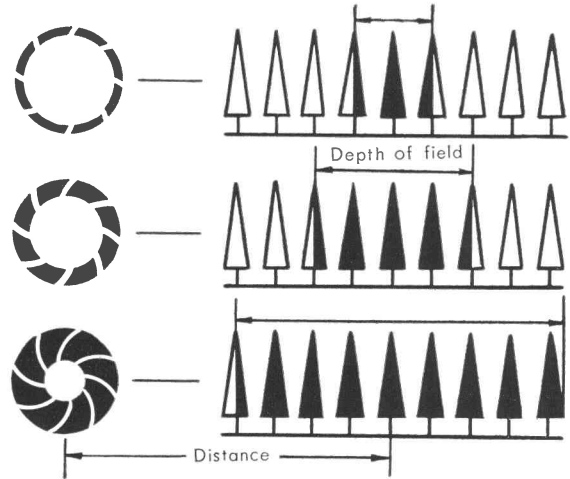
The depth of field of a lens is the range of distance within which all subjects are in relatively sharp focus. This range varies with the aperture opening. It is greatest when the lens is stopped down ($f16$) and least when it is fully open ($f1.8$). The photographs side illustrate relation-ship. The same subject was taken at different aperture settings.

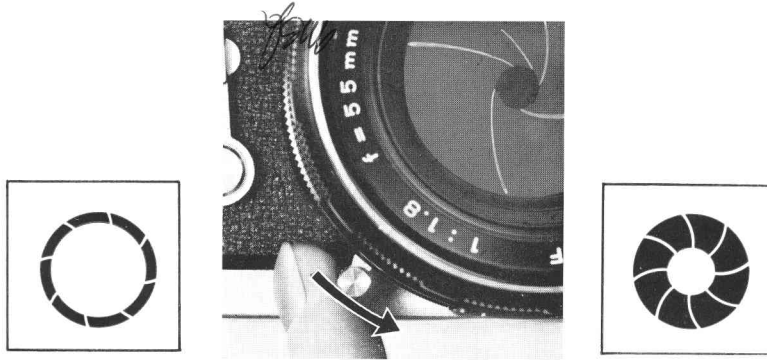




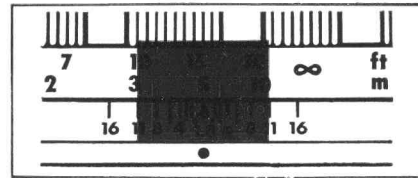
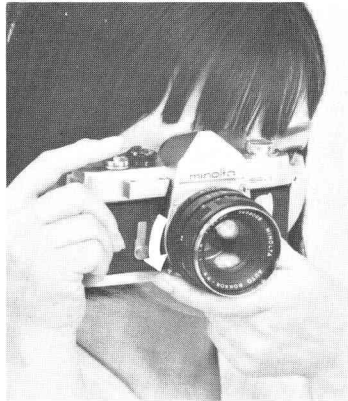
1. The depth of field is greater as the distance is increased or the aperture is stopped down.
2. The depth of field grows less as the distance is decreased or the aperture is enlarged.
3. The depth extends greater into the background than into the foreground.
4. The depth of field is greater with a shorter focal length lens and shallower with a longer focal length lens.

Because the depth of field can be controlled by the aperture stops, you can either bring to sharpness both background and foreground or emphasize the subject sharpness only by purposely making the background out of focus.





You may pre-view depth of field, if you wish by pressing the pre-view button which manually closes the diaphragm to its pre-set aperture. When you do this you can inspect through the viewer the precise effect of depth of field.



The arrow mark ▲ on the scale indicates the distance between camera and focused subject.

The two sets of figures on both sides of the arrow mark are aperture stops and the distance framed by the two same figures shows the depth of field. For example, if you focus on a subject 15 feet away and use an full aperture, read the distance opposite the two figures 11. In this case the depth of field is approximately 10 feet to 37 feet. Within that distance range all subjects are in relatively sharp focus.

You can also check depth of field by referring to the depth of field scale marked on the lens barrel. This indicates in feet and meters the range within which everything will be in focus.

Distance (F) F no	∞	30	15	10	7	5	4	3.5 (3'6")	3	2.75 (2'9")	2.5 (2'6")	2.25 (2'3")	2	1.75 (1'9")
1.8	91 ∞	25' 6" 36' 5"	13' 10" 16' 5"	9' 6" 10' 7"	6' 9" 7' 3"	4' 10" 5' 2"	3' 11" 4' 1"	3' 5 1/4" 3' 6 3/4"	2' 11 1/2" 3' 1 1/2"	2' 8 1/2" 2' 9 1/2"	2' 5 3/4" 2' 6 1/4"	2' 2 3/4" 2' 3 1/4"	1' 11 3/4" 2' 1 1/4"	1' 8 3/4" 1' 9 1/4"
2	86 ∞	25' 1" 37' 4"	13' 8" 16' 7"	9' 5" 10' 8"	6' 9" 7' 4"	4' 10" 5' 2"	3' 11" 4' 1"	3' 5 1/4" 3' 6 3/4"	2' 11 1/2" 3' 1 1/2"	2' 8 1/2" 2' 9 1/2"	2' 5 1/2" 2' 6 1/2"	2' 2 3/4" 2' 3 1/4"	1' 11 3/4" 2' 1 1/4"	1' 8 3/4" 1' 9 1/4"
2.8	70 ∞	23' 6" 41' 7"	13' 2" 17' 5"	9' 2" 11'	6' 7" 7' 5"	4' 10" 5' 3"	3' 10" 4' 2"	3' 4 3/4" 3' 7 1/4"	2' 11 1/4" 3' 3/4"	2' 8 1/4" 2' 9 3/4"	2' 5 1/2" 2' 6 1/2"	2' 2 1/2" 2' 3 1/2"	1' 11 3/4" 2' 1 1/4"	1' 8 3/4" 1' 9 1/4"
4	55 ∞	21' 7" 49' 6"	12' 7" 18' 7"	8' 11" 11' 5"	6' 5" 7' 8"	4' 9" 5' 4"	3' 10" 4' 2"	3' 4 1/2" 3' 7 3/4"	2' 10 3/4" 3' 1 1/4"	2' 8" 2' 10"	2' 5 1/2" 2' 6 3/4"	2' 2 1/2" 2' 3 3/4"	1' 11 1/2" 2' 1 1/2"	1' 8 3/4" 1' 9 1/4"
5.6	42 ∞	19' 4" 67' 9"	11' 9" 20' 8"	8' 6" 12' 2"	6' 3" 8'	4' 7" 5' 6"	3' 9" 4' 3"	3' 3 3/4" 3' 8 1/2"	2' 10 1/2" 3' 1 3/4"	2' 7 3/4" 2' 10 1/2"	2' 5" 2' 7 1/4"	2' 2 1/4" 2' 4"	1' 11 1/4" 2' 3/4"	1' 8 1/2" 1' 9 1/2"
8	32 ∞	16' 10" ∞	10' 10" 24' 6"	8' 13' 5"	6' 8' 6"	4' 6" 5' 8"	3' 8" 4' 5"	3' 3" 3' 9 3/4"	2' 9 3/4" 3' 2 1/2"	2' 7 1/4" 2' 11"	2' 4 1/2" 2' 7 3/4"	2' 1 3/4" 2' 4 1/2"	1' 11" 2' 1"	1' 8 1/4" 1' 9 3/4"
11	24 ∞	14' 3" ∞	9' 9" 33' 4"	7' 4" 15' 8"	5' 8" 9' 3"	4' 3" 6'	3' 6" 4' 7"	3' 1 3/4" 3' 11 1/2"	2' 9" 3' 3 3/4"	2' 6 1/2" 3'	2' 4" 2' 8 1/2"	2' 1 1/4" 2' 5"	1' 10 3/4" 2' 1 1/2"	1' 8" 1' 10"
16	17 ∞	11' 9" ∞	8' 6" 68'	6' 8" 20' 5"	5' 3" 10' 9"	4' 6' 7"	3' 5" 4' 11"	3' 1/4" 4' 2"	2' 7 3/4" 3' 5 1/2"	2' 5 1/2" 3' 1 1/2"	2' 3 1/4" 2' 9 1/2"	2' 3/4" 2' 5 3/4"	1' 10 1/4" 2' 2"	1' 7 3/4" 1' 10 1/2"

Auto Rokkor and Auto Rokkor
55mm/f1.8 and 55mm/f2.0

NOTE: If your lens is 53mm/f2.0, see page 56.

Your Minolta SR-1 should be used with the highly accurate detachable CdS light meter. It's powered by a mercury battery and extremely sensitive, covers an extensive range from candlelight to bright outdoors ($0.56\text{--}37,000\text{cd/m}^2$). The light

receiving angle is only 30° . Hence, you measure the light reflected by the subject only. Extraneous light does not upset exposure readings. The meter is coupled to the shutter and, as you will read on the following pages, very easy to use.



Table shows relationship between aperture and shutter speeds.

Aperture (F;)	1.8	2.8	4	5.6	8	11	16					
Shutter Speed (sec.)	$\frac{1}{500}$	$\frac{1}{250}$	$\frac{1}{125}$	$\frac{1}{60}$	$\frac{1}{30}$	$\frac{1}{15}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	1	B	

Used correctly, this CdS light meter will give you correct exposure every time. It measures outdoor light and indoor light as well. It's extremely versatile, every bit as reliable as the hand-held types the professionals use. It will measure the reflected light of anything that can be photographed.

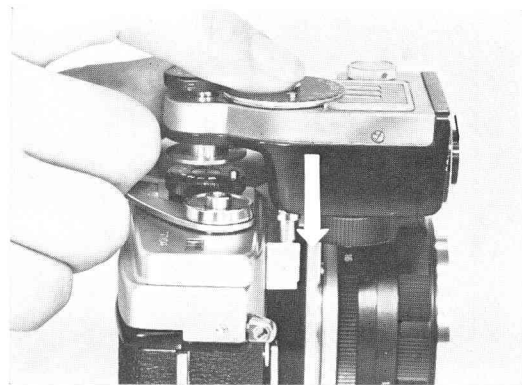
There are two light-measuring scales on the top of the meter. One is for general outdoor photography, the other is for dimly lit situations. In such situations switch to low sensitivity light and read the corresponding aperture figures on the meter scale.



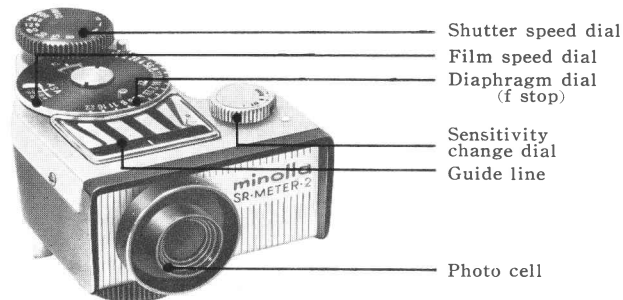
On the bottom side of the meter, you'll see a fitting pin. Insert the pin into the meter shoe located on the camera.

Before attaching the meter to the camera, however, you should set the two shutter dials (one on the

camera, one on the meter) to the same speeds. Then, press the meter down into the shoe and it will couple correctly to the camera's shutter. If it does not, rotate the meter's shutter dial slightly until you feel it engage with the camera's shutter dial.

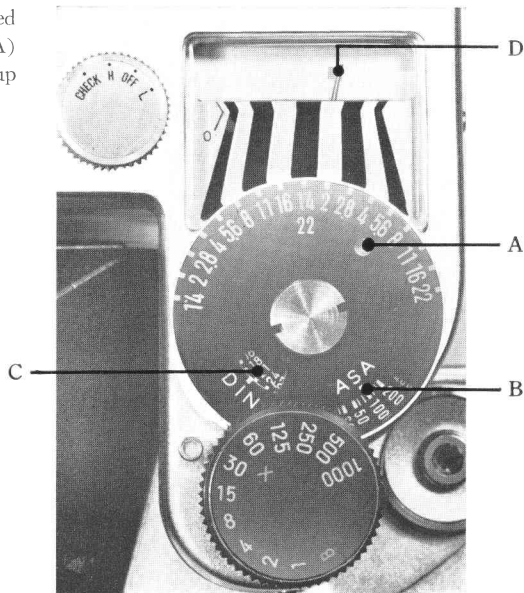


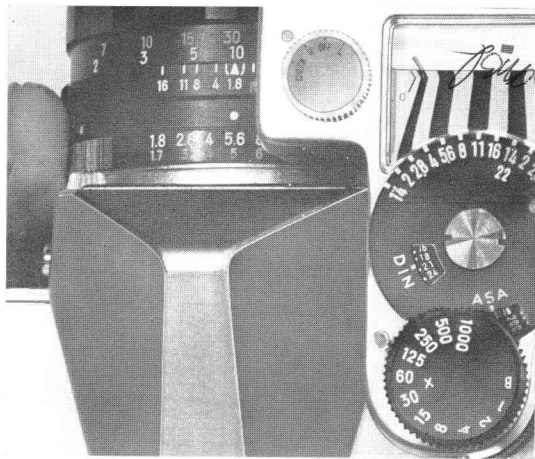
Elements of the Minolta SR meter.



Immediately after loading film, set the ASA film speed rating on the top of the meter. Rotate the aperture dial (A) until the speed rating of the film you are using lines up with the ASA mark (B).

DIN speed ratings are also marked on the dial. (C)
(D)...Battery checking mark. See page 24.





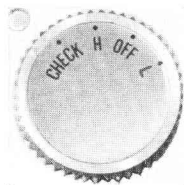
When determining aperture setting, read along the guide line of the light meter scale. The meter needle will indicate the correct diaphragm opening. It will not, however, always point directly to a f/stop number. It may fall between or off to the side of guide lines in which case an intermediate f/stop should be set on the aperture ring of the lens barrel.



1/30 sec. or slower in dark places.



1/125 sec. for slow moving objects.

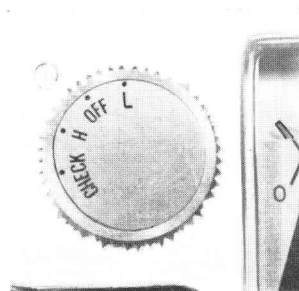
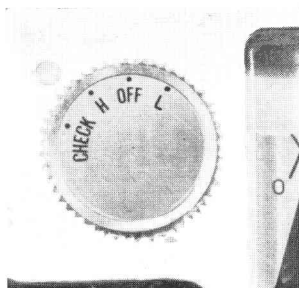


There are four positions on the light meter dial---Check, H, OFF and L.

The average life of the mercury battery is two years. During use, however, you may test battery power by turning the meter dial to "Check" position. If the needle points to the check mark as illustrated on page 21 then battery power is ample. If the needle falls outside the check mark, battery power is not adequate and it is time to replace the battery. Unlike conventional batteries, the mercury battery does not lose power gradually. When it dies, it dies abruptly. Hence, your light meter is always working at maximum accuracy.

When the meter needle does not register due to inadequate light, use the low sensitivity shift dial. Rotate the dial to the "L" position. This shifts the meter to low sensitivity light and gives a correct exposure reading even under adverse lighting conditions. In some cases the low sensitivity reading may be one f/stop lower than the high sensitivity reading. Use the lower light value.

(In the low position, read the orange colored f numbers.)



OFF

When the camera is not in use, switch the meter dial to the " OFF" position. This will insure longer battery life.

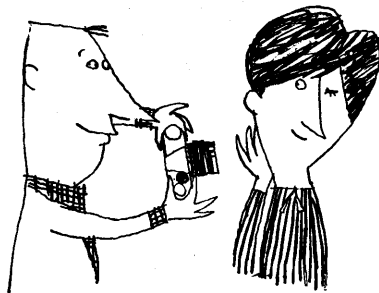
Backlighting

In the case of backlighting, move close to the subject and measure the light reflected from it. Be particularly careful that the back-light does not strike the light-receiving surface of the exposure meter. Otherwise the result will be a silhouette.



Photographing People

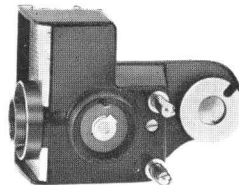
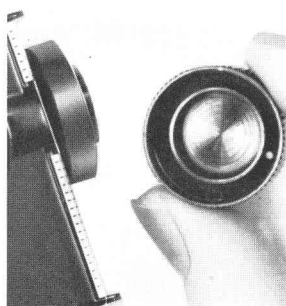
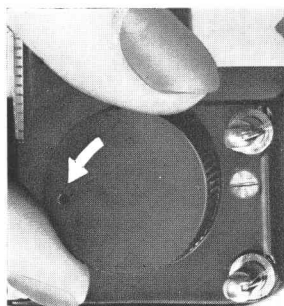
When photographing a person, the light reflected by the subject and the light reflected by the background may be at wide variance, particularly in snow, at the beach or in other bright backgrounds. In such cases move the camera close to the subject and measure the reflected light. If you cannot approach the subject, light can be measured by extending the palm of your hand in front of the meter.



Landscape Photographing

For landscape photographing, the subject, of course cannot be approached and exposure must be measured at the camera position. Special care should be taken so that direct light from the sky is not measured. Measure the general lighting conditions of the area and take the average reading.





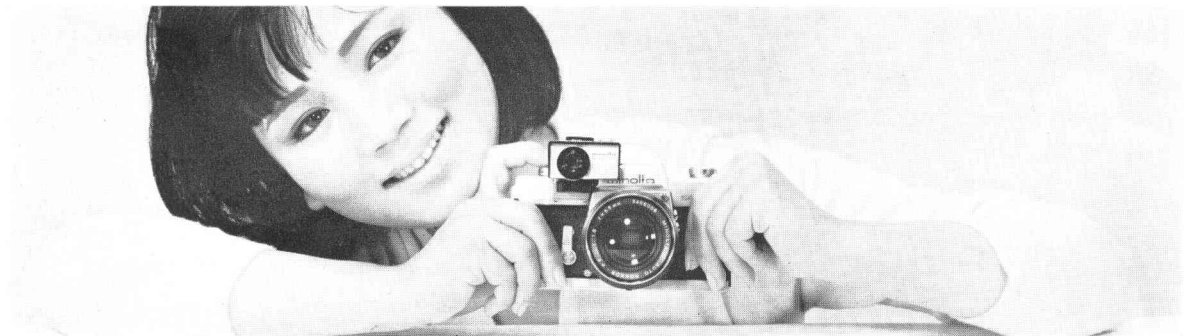
The average life of the mercury battery is two years. When the meter does not respond to light, the battery is dead and must be replaced. This is a conventional mercury battery available throughout the world.

Remove the battery cover on the bottom of the meter by turning the cover counter-clockwise. Take out the old battery. When replacing the new battery, be sure the plus (+) side is facing up towards you.

Note: When the battery has deteriorated any of the following are suitable as replacement:

National M-D Type/Malory RM-625R

Eveready E 625/G. E. No. 625

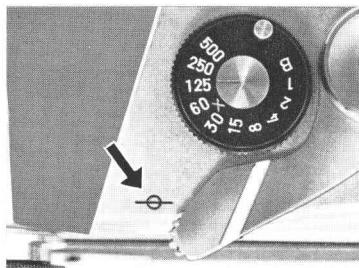
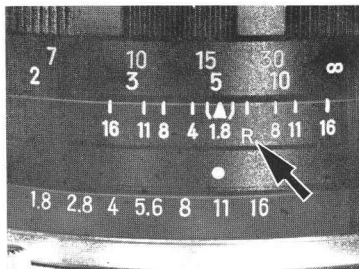


Look through the viewfinder and rotate the focusing ring on the lens barrel. Your subject will become sharp and clear. At the sharpest point you are in focus and ready to shoot. You see exactly the same image that will appear on the film negative. This is one of the advantages of the single lens reflex system. More important, because you focus through the lens there is never a parallax problem no matter how close you get to the subject. This system also permits you to see the real relationship

between subject, background and foreground and the actual color condition when using filters.

Infrared film indicator

If you use infrared film, focus as you would ordinarily. Then move the distance scale to correspond with the red letter R which appears on the depth of field scale. For example, if your focus scale tells you the subject is 15 feet from the camera, move the focusing ring so that the number 15 lines up with the red letter R.



Film position indicator

On the top of the camera there is a red circle with a line through it. This mark indicates the exact position of the film in the camera. Precise distance then is the distance from the subject to this line. With the aid of a tape measure, this line can be used for extremely critical focusing. For general photography such focusing is not necessary.



The camera may be held horizontally or vertically. It is best to press the camera firmly against your face and release the shutter with a slow pressure in order to avoid all movements and insure sharp negatives. You may focus with whichever eye is convenient for you, although for sequence shots it is advisable to use the right eye to permit free use of the rapid wind lever.

The lever contains a double exposure prevention device; the shutter automatically locks after each picture.



- When using shutter speeds of $1/15$ second or slower it is advisable to use a tripod and cable release to avoid all camera movement.

If a tripod is not available, set the camera on or against something stationary.

The cable release is screwed into the shutter

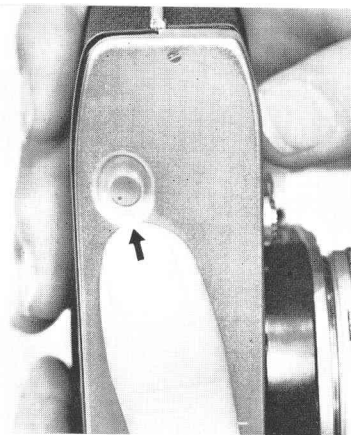
release button. It is best to use a cable release whenever you use a tripod.

- Note: At slow shutter speeds please be careful not to advance the film while the shutter mechanism is still in motion.



When you have finished the film roll, you will not be able to advance the lever any further. Do not force the advance lever or the film will tear out of the magazine and be impossible to rewind.

You must rewind the film back into the film magazine in order to unload the camera.



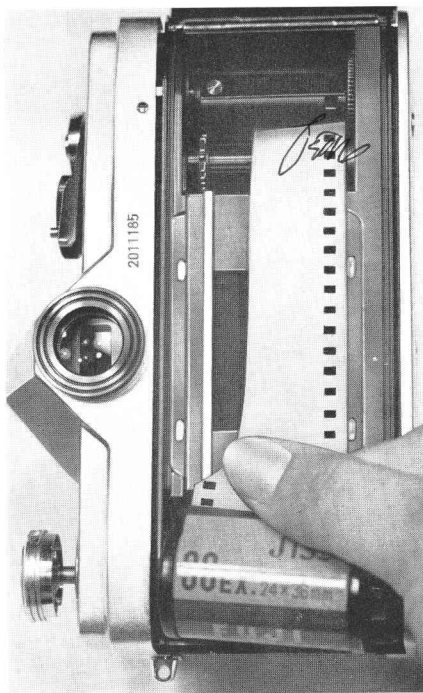
1. When you have finished taking pictures, push in the rewind release button and it will click into place. If the button should pop up, advance the lever slightly and push the button down again.



2. Raise up the crank and rewind in a clockwise direction as the arrow on the knob indicates until you feel the film slip out from the clip of the take-up spool and a sudden release of tension.

Whenever rewinding film, please do not pull up the rewind knob. This action snaps open the camera back and your film would be exposed.

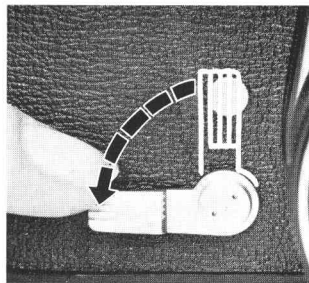
3. Open the camera back by pulling out the rewind knob as far as it goes. Remove the film magazine.



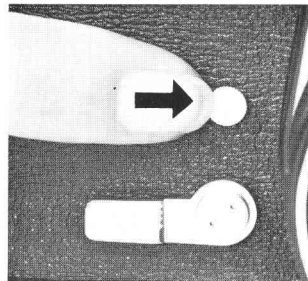
Note: Loading or unloading film should be done in the shade.

When opening the back cover, be sure not to touch the shutter curtain.

The self-timer allows you to get yourself into the picture. (It can also be used to minimize blur at slow shutter speeds.) The self-timer has a built-in automatic bypass. If, after setting the timer, you don't want to use it, simply press the shutter release button and the timer will not operate.



1. To set the timer, push down the lever. When it is all the way down as shown in the picture, you will get a time lapse of 10 seconds.



2. To start the timer, push the button towards the lens barrel. The shutter will release automatically in 10 seconds.

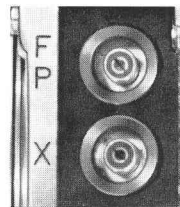
Flash is recommended for night shots, indoors or outdoors, and for filling in shaded areas. Your Minolta SR-1 is geared for both electronic flash and ordinary flash bulbs. Be sure to insert the

flash cable into the correct terminal of the camera. The "X" terminal is for electronic flash, "EP" is for focal plane flash bulbs.



Electronic flash

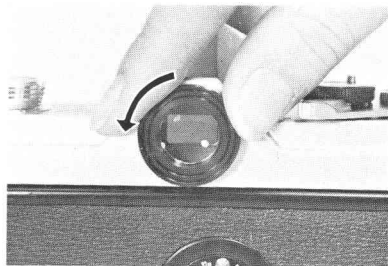
Set the shutter speed dial to the red "X". Slower speeds may also be used. The camera is synchronized from 1 second to 1/50 of a second for electronic flash.



Flash bulbs

Use FP class bulbs (Focal Plane bulbs). The camera is synchronized at all shutter speed from 1 second to 1/500 second when using FP class bulbs.

To attach flash equipment to your camera, an accessory shoe is provided (available at your local camera store) which fits over the penta prism viewfinder. Here is how it is installed.



A) Turn the eyepiece on the viewfinder counterclockwise and remove it.



B) Insert the accessory shoe unto the eyepiece.



C) To lock the shoe on, replace the eyepiece to its original position.



Insert the flash gun into the accessory shoe from the rear.
Then tighten the flash gun screw.

Shutter speeds for flash photography

(The speed shown by oblique lines are the speeds you can use.)

Shutter Speeds (sec.)		B	1 sec.	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	X	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$
Flash Bulbs	FP class												
	bulbs												
X Contact	F. class												
	bulbs												
	M class												
Speed light	bulbs												

How to determine exposure

The important factor in flash photography is the aperture setting. This is determined by the brightness of the flash and the distance from the light to the subject. As these factors vary greatly, precise instructions are attached with flash bulbs and electronic flash.

Exposure guide numbers

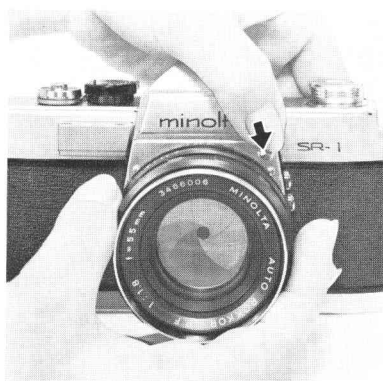
The instructions accompanying flashbulbs or electronic flash will include guide numbers for the most popular films. Under the guide number system, you divide the guide number by the distance of the subject from the lamp in order to obtain the correct f/stop.

The guide number formula is:

$$f/\text{stop} = \frac{\text{Guide number}}{\text{distance}}$$



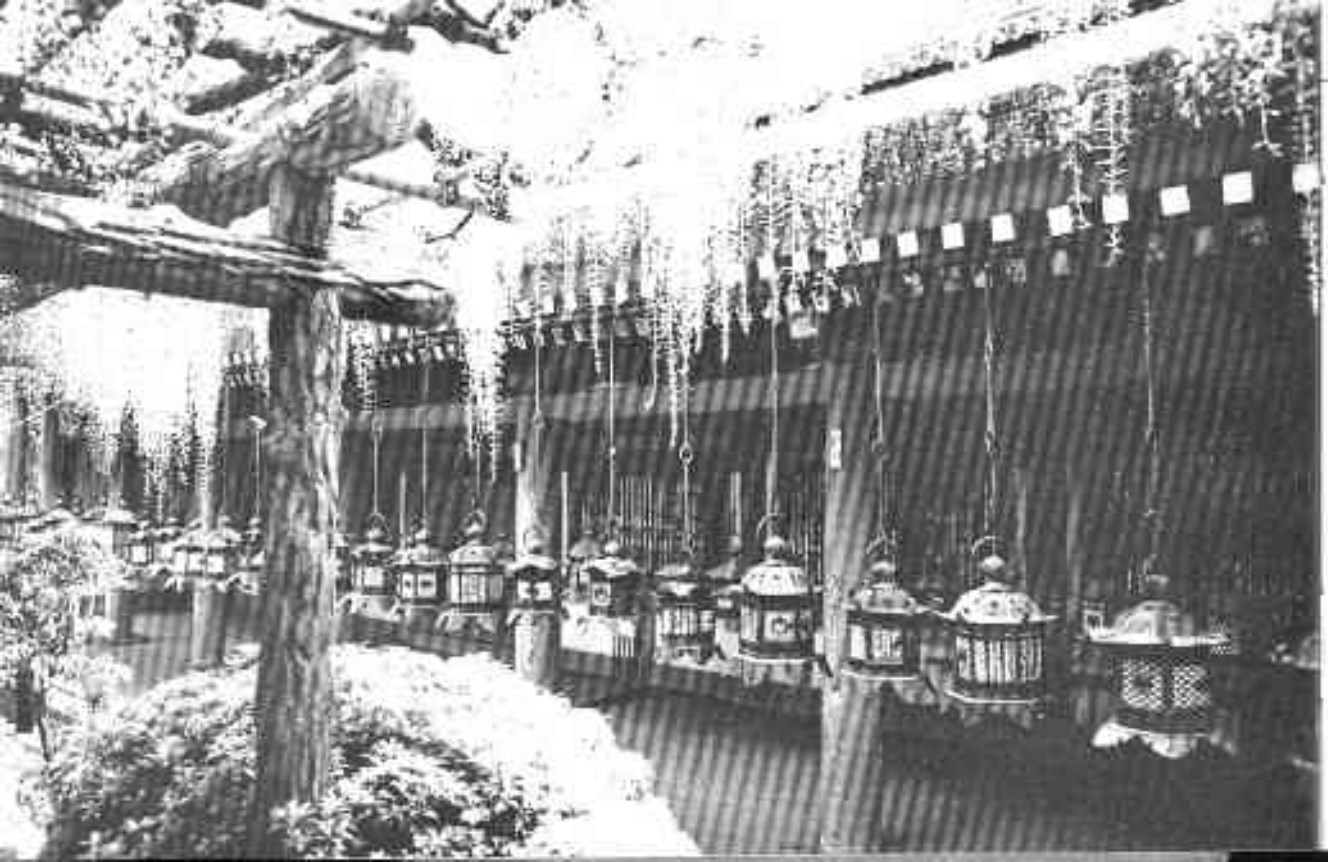
Minolta automatic preset lenses can be changed even after advancing the lever and still maintain the fullest aperture opening.



To remove the lens, push down the lens lock button and turn the lens barrel counterclockwise until it stops. Lift out carefully.

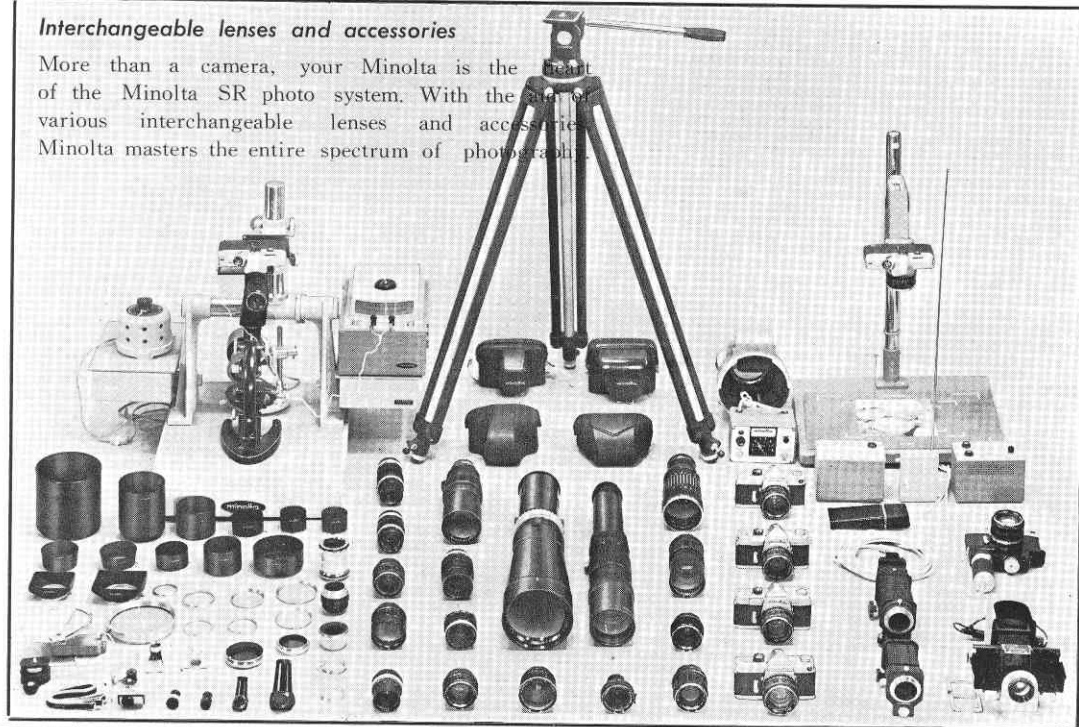


To attach the lens, insert it into the bayonet mount by lining up the red dot on the lens barrel with the red dot on the camera. Turn the lens clockwise until it stops.



Interchangeable lenses and accessories

More than a camera, your Minolta is the heart of the Minolta SR photo system. With the aid of various interchangeable lenses and accessories, Minolta masters the entire spectrum of photography.





28 $\frac{m}{m}$



35 $\frac{m}{m}$



55 $\frac{m}{m}$



100 $\frac{m}{m}$





135 $\frac{m}{m}$



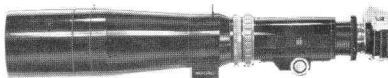
200 $\frac{m}{m}$



300 $\frac{m}{m}$

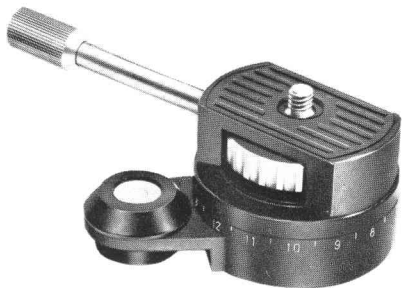


600 $\frac{m}{m}$



Interchangeable lenses for SR.

Name	Focal length (mm)	Maximum Aperture	Angle of view	Diameter of filter screw (mm)	Minimum Distance Focusing
AUTO W·ROKKOR SG	28	3.5	76°	67	60cm (2.0 feet)
W·ROKKOR QE	35	4	64°	55	40cm (1.25 feet)
AUTO W·ROKKOR HG	35	2.8	64°	55	40cm (1.25 feet)
MACRO ROKKOR QF	50	3.5	45°	55	23cm (0.76 feet)
AUTO · ROKKOR PF	55	1.8	43°	55	50cm (1.75 feet)
" "	58	1.4	41°	55	60cm (2.0 feet)
ROKKOR TC	100	4	24°	46	120cm (4.0 feet)
AUTO TELE ROKKOR QE	100	3.5	24°	55	120cm (4.0 feet)
AUTO TELE ROKKOR PF	100	2	24°	62	120cm (4.0 feet)
ROKKOR TC	135	4	18°	46	
ROKKOR TC	135	4	18°	46	150cm (5.0 feet)
AUTO TELE ROKKOR PF	135	2.8	18°	55	150cm (5.0 feet)
TELE ROKKOR QF	200	3.5	12°	67	200cm (6.6 feet)
TELE ROKKOR TD	300	4.5	8°	77	450cm (14.85 feet)
TELE ROKKOR TD	600	5.6	4°	126	1200cm (37.5 feet)
AUTO ZOOM ROKKOR	80~160	3.5	30°~15°	77	250cm (8.0 feet)
AUTO ZOOM ROKKOR	160~500	8	15°~5°	77	450cm (14.85 feet)



Panorama head

With the Minolta panorama head, an extensive range can be photographed in segments and printed as a single picture. The panorama head permits shifting the camera angle after each picture, shooting as much as 360° if you wish.

Each film can be subsequently joined into one dramatic panoramic view. Especially effective for perspective photography with the extended horizon distinctly shown.



Ultra-wide Angle W Rokkor SG-F 3.5/28mm.

For panoramic views or photography with an exaggerated perspective.

Specifications:

Picture angle: 76°

Filter screw mount: 67mm

Diaphragm: Auto pre-set



Macro Rokkor QF,

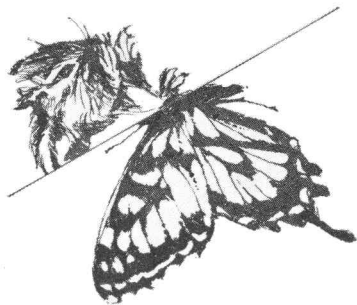
F3.5 50mm,

5° Angle

Filter Screw Mount 55mm

Not only for general photography, but also especially good for copying and macrophotography. Macro Rokkor QF consists of reverse ring, intermediate ring and Leica mount adapter ring. The lens is designed for use from infinity to 9 inches without adapter ring; from infinity to 8 inches when reversing ring is used. The enlarged size will be 1:1.





New type interchangeable lenses Rokkor TC, F4, 135mm

A versatile lens for nature photography, animals and plants. With the Minolta Extension Bellows II, Rokkor TC can be used from infinity to close up-1:1.1 ratio. The lens is also valuable in portraiture, copying and commercial photography.





Rokkor Zoom Lens

F3.5, 80-160mm

15 Element

Angle 30°~15°

Filter Screw Mount-77mm

Minimum distance-250cm (8ft.)

With attachment-140cm (4¾ft.)

Fully automatic diaphragm

This is the new Minolta Rokkor Zoom lens that functions as several lenses. It zooms from 80 to 160mm with no shift in focus while zooming. Also, you get a clear, distinctive picture all the time with no change of brightness even at maximum telephoto setting. It's ideal as an all-purpose telephoto lens. Weight: 1350 gr



Auto Zoom Rokkor

F8, 160-500mm

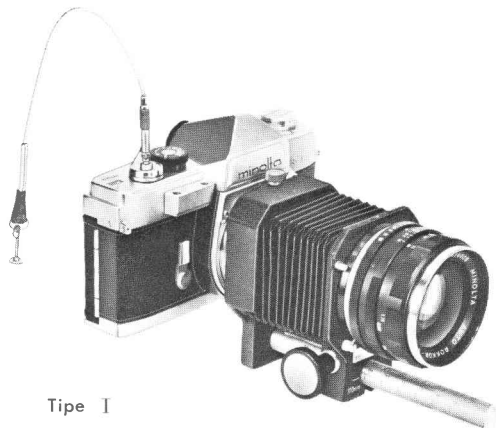
Angle 15°~5

Minimum distance: 4.5m

Filter screw mount: 77mm

Diaphragm: Automatic pre-set

This is a high-performance zoom lens designed for telephotography. Smaller and lighter in weight than any other zoom lens of comparative power: the Auto Zoom Rokkor is also highly maneuverable. It introduces new horizons for photographing sports events, landscapes and subject of ecological interest.



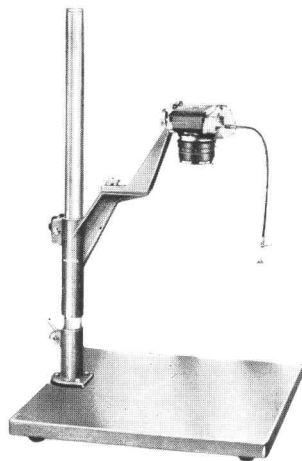
Type I



Type II

Extension bellows

A versatile device for extreme close-ups as in the phtography of animals and plants, for example. There are two Minolta sets-type I and type II (deluxe). Type I is a folding compact type. Type II has the slide copying attachment.



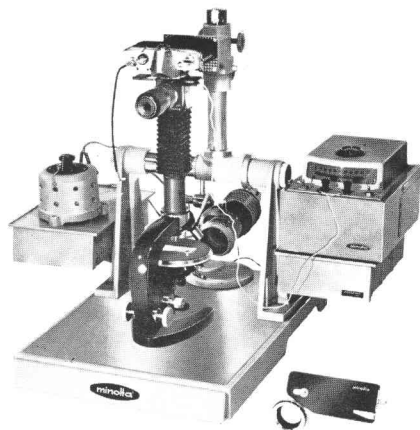
Copying stand

With the camera held rigidly on a suitable support, most close-up work, copying of printing matter, etc., are easily accomplished. Combined with extension devices, the copy stand will expand the versatility of your SR.



Microscope adapter

This adapter is used between the microscope and the camera body when taking microphotos. You can easily take micropictures of moving objects while watching them through the lens.



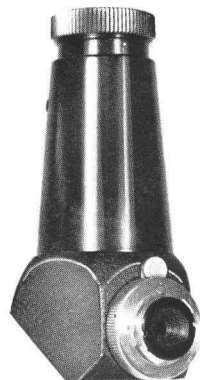
Universal microscope photo system

This equipment is designed to record faithfully and accurately results of microscopic research. It has two finders and a highly efficient exposure meter. The equipment can also be used for reproduction of literature and film title.



Angle finder

The angle finder attaches to the eyepiece mount and permits you to view the subject at right angles.





Magnifier

The magnifier is used for precise focusing in telephotography, copying, ultra close-ups and microphotography.



Eyepiece correction lenses

Five different lenses designed for individual diopter of far-sighted eyes are useful for easier focusing.



Accessory clip

With the SR accessory clip you can attach a flash gun to your camera.



Lens shade

A lens shade is recommended to prevent any stray light from entering the lens which will cause glare on the picture. Especially essential in synchroflash work.

35mm f 2.8		
" f 4	Mount	} 55mm
53mm f 2		
55mm f 2		
" f 1.8	Mount	
58mm f 1.4		

Telephoto lenses include a lens shade.



Filters

Filters are used to obtain truer or more dramatic results in the print or to secure other special effects.

35mm f 2.8, f4	} Filter screw mount 55mm
58mm f 1.4	
53mm f 2	
55mm f 1.8, f2	
100mm f 3.5	
135mm f 2.8	
100mm f 4	Filter screw mount 43mm
100mm f 2	Filter screw mount 62mm
135mm f 4	" 46mm
200mm f 3.5	" 67mm
300mm f 4.5	" 77mm
600mm f 5.6	" 126mm

Polarizing filter



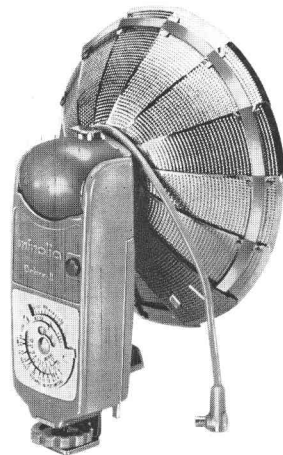
A polarizing filter controls or eliminates reflections on non-metallic surfaces i.e. glass or highly finished wood or plastic. It can also be used to darken the sky very dramatically.

Minolta polarizing filters are:

for 55mm f 1.8 or f 2	standard lens
100mm f 3.5	telephoto lens
135mm f 2.8	" "
35mm f 2.8	wide angle lens
35mm f 4	" "

Minolta deluxe flash gun

Excellent pictures can be taken even in dark places, indoors or at night by using flash with the SR camera. Accessory clip is easily used to fix the flash gun to the SR.



Leica mount type adapter

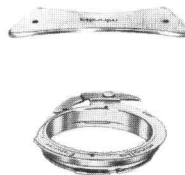
With the Leica mount type adapter, Leica mount type lenses are fitted to the SR.

These lenses, however, can be used only for close-ups and copying, since they are designed for a different back-focus.

Praktica mount type adapter

With this adapter, Praktica lenses can be used with the SR-7.

The lens can then be used from the nearest distance to infinity.

Exakta mount type adapter

With this adapter, any lens fitted with Exakta bayonet mount can be used with the SR from the nearest distance to infinity.



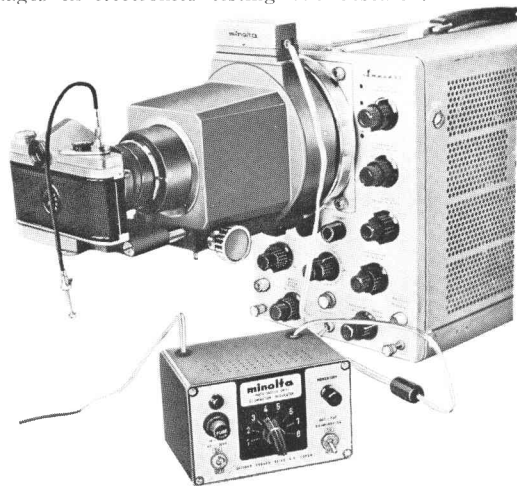
Extension tubeset

Five varieties of extension tubes can be used singly or in combination to get the lens closer to the object than 9 inches.

Photo oscilloscope unit

As a result of the remarkable developments in the electronics industry and research work, the use of cathode ray tube oscilloscopes has increased at a rapid pace.

This unit can be used for accurate photography of images in electronics testing and research.



Distance (F) F no	∞	30	15	10	7	5	4	3.5 (3'6")	3	2.75 (2'9")	2.5 (2'6")	2.25 (2'3")	2	1.75 (1'9")
2	84 ∞	24'10" 37'10"	13'7" 16'8"	9'5" 10'9"	6'8" 7'4"	4'10" 5'2"	3'11" 4'1"	3'5¼" 3'7"	2'11½" 3'¾"	2'8½" 2'9½"	2'5½" 2'6½"	2'2½" 2'3¼"	1'11¾" 2'¼"	1'8¾" 1'9¼"
2.8	67 ∞	23'3" 42'5"	13'1" 17'6"	9'2" 11'1"	6'7" 7'6"	4'9" 5'3"	3'10" 4'2"	3'4¾" 3'7¼"	2'11¼" 3'1"	2'8¼" 2'9¾"	2'5½" 2'6½"	2'2½" 2'3½"	1'11¾" 2'¼"	1'8¾" 1'9¼"
4	53 ∞	21'3" 51'3"	12'6" 18'10"	8'10" 11'6"	6'5" 7'8"	4'8" 5'4"	3'10" 4'2"	3'4½" 3'7¾"	2'10¾" 3'1¼"	2'8" 2'10"	2'5¼" 2'6¾"	2'2¼" 2'3¾"	1'11½" 2'½"	1'8¾" 1'9½"
5.6	41 ∞	18'11" 73'	11'8" 21'1"	8'5" 12'4"	6'2" 8'	4'7" 5'6"	3'9" 4'4"	3'3¾" 3'8¾"	2'10½" 3'2"	2'7½" 2'10½"	2'4¾" 2'7¼"	2'2" 2'4"	1'11¼" 2'¾"	1'8½" 1'9½"
8	31 ∞	16'5" ∞	10'8" 25'4"	7'11" 13'8"	5'11" 8'7"	4'5" 5'9"	3'8" 4'5"	3'2¾" 3'10"	2'9¾" 3'2¾"	2'7" 2'11¼"	2'4½" 2'7¾"	2'1¾" 2'4½"	1'11" 2'1"	1'8½" 1'9¾"
11	23 ∞	13'11" ∞	9'7" 35'7"	7'3" 16'1"	5'7" 9'5"	4'3" 6'1"	3'6" 4'8"	3'1½" 3'11¾"	2'8¾" 3'4"	2'6¼" 3'¼"	2'3¾" 2'8½"	2'1¼" 2'5"	1'10¾" 2'1½"	1'8" 1'10"
16	17 ∞	11'4" ∞	8'4" ∞	6'7" 21'8"	5'2" 11'1"	4' 6'9"	3'4" 5'	3' 4'2½"	2'7½" 3'6"	2'5¼" 3'1¾"	2'3" 2'9¾"	2'½" 2'6"	1'10¼" 2'2¼"	1'7¾" 1'10½"

Auto Rokkor 53mm/f2.0