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Minolta 16EE

INSTRUCTION

You are now the owner of world first completely automatic subminiature camera, Minolta 16 EE.

* Minolta 16 E E is a convenient pocket sized precision camera which may be easily carried in your pocket or a hand-bag.
* The Rokkor lens (F2.8, 25 mm) having splendid picturing ability permits the camera to sufficiently display its capacity which is favorably comparable with that of a large-sized camera.
* The built-in electronic eye mechanism assures you the perfect exposed picture automatically, no calculation or guess work for exposure setting are neccesory. All you have to do is just press the shutter button.
* The Minolta 16 EE takes 20 pictures of black & white or color on the magazine loaded 16 mm film (double flame 8 mm.).

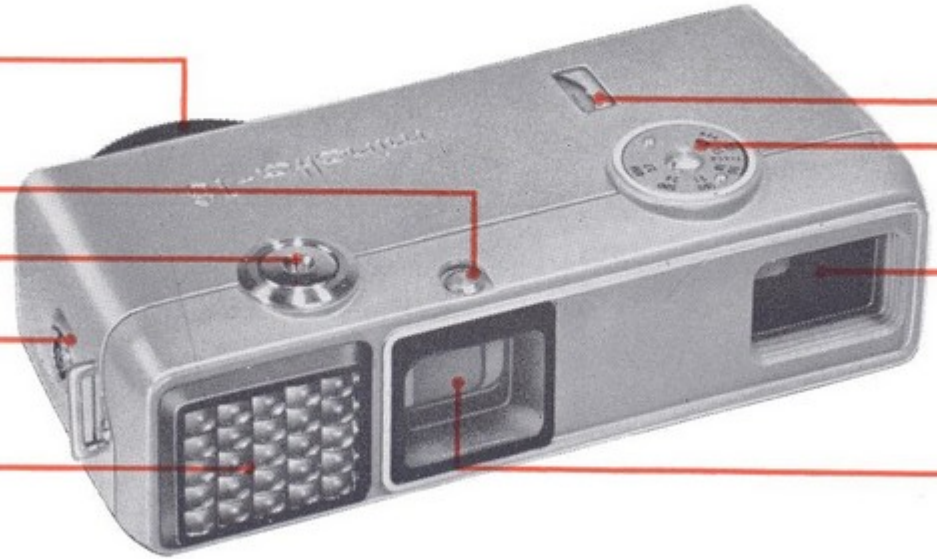
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Before you start taking pictures, please read this book. It will take only a short time, but it will give you a number of hints.

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Major Parts of Minolta 16 EE with Name



Enjoy color slides.

Take color pictures by the use of your Minolta 16 EE.
The Minolta Mini 16 projector, a slide projector exclusively used for Minolta 16 EE, beautifully projects color slides on a screen.
Enjoy color slides together with your family and intimate friends.

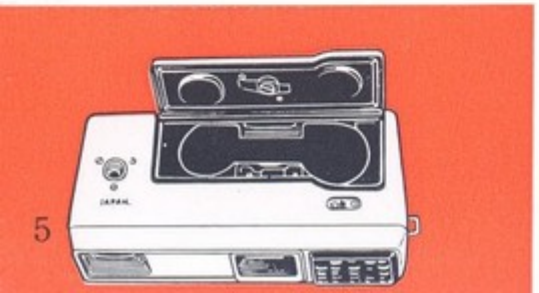
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Step before Shooting

1. Insert the Film Cassette

Films for the Minolta 16 EE are cased in its own film cassette.

Set the arrow on the back cover by turning it to OPEN so that back cover can be opened all the way. Drop film casette into film chamber. This must be done in the shade. Close the back cover and then set the arrow to CLOSE.

Please note that :
When the cover of the film compartment does not fit in right, it is a sign that the cassette is not in flat. Turn the film winder while pressing the film casette slightly, then the casette will fall into proper place.

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2. Advance Film until You see "20"

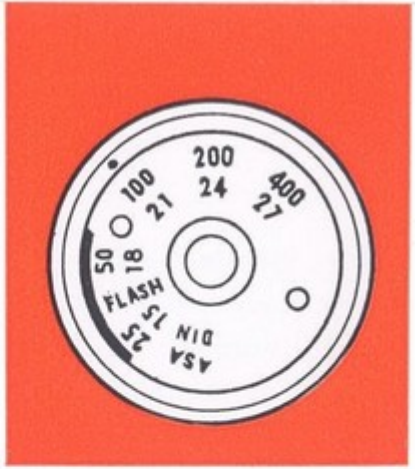
After loading the camera and closing the back cover, you will note a S mark in the film counter-window. Turn film winder untill it stops and press on shutter button. Repeat same and the figure "20" will apear in the window. This means that you can take "20" shots. The number appearing in the window such as "20-19" etc. shows the number of unexposed film left.

The film winder contains a double exposure prevention mechanism and therefore the film can be advanced only after you release the shutter. Unless the winder is advanced completely, the shutter can not be released.





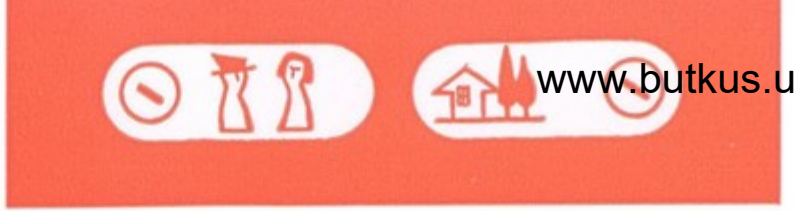
3. How to set the Film Speed, ASA or DIN



ASA or DIN setting should be set according to the film used. As the film speed dial is fully interlocked with the selfcontained speed photometer, it is necessary to precisely set the ASA (DIN) for photographing pictures of correct exposure.

Note :-

* In case films of ASA 80 and 320 are used, it is advised to set the film speed dial at 100 and 400, respectively.
* In case films of ASA 32 are used, set the film speed dial at 50.
* Refer to page 16 for flash photographing.



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How to shoot

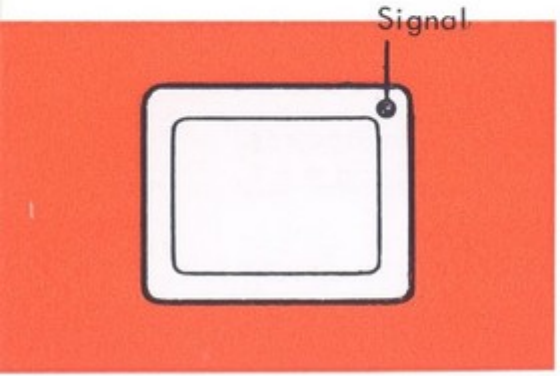
The extra sharp Rokkor lens (F 2.8, 25 mm) of the Minolta 16 EE has an extremely deep depth of field and vividly pictures the subject aimed at without focussing the lens every time.
However, it is recommended for the person who desires to take a more distinct pictures to photograph the picture as in the following manner.

1. How to set the zone focussing mark

Subjects photographed are roughly divided into persons and landscapes.

* When photographing a portrait (focus distance is set about 2.5 m), the zone focussing mark is set at "⊙"
* When your subject is a landscape or distant scene picture (focus distance is set about 5 m), the zone focussing mark is set at "⊙"
* For close up pictures, refer to page 14.





2. How to set Exposure.

Auto~Flash switch dial should be set at "Auto". In the Minolta 16 EE, a precision electronic eye is employed. When the Auto~Flash switch dial is set at "Auto", this electronic eye responds to the brightness of a subject at all times and thus automatically determines correct exposure. Accordingly, a photographer may take a picture of correct exposure merely by pushing the shutter button, with the camera directed to the subject.

When exposure is correct, a yellow-colored bright signal appears on the upper right corner of the finder and thus informs the photographer that exposure is correct.
Before pushing the shutter button, pay attention to the signal.

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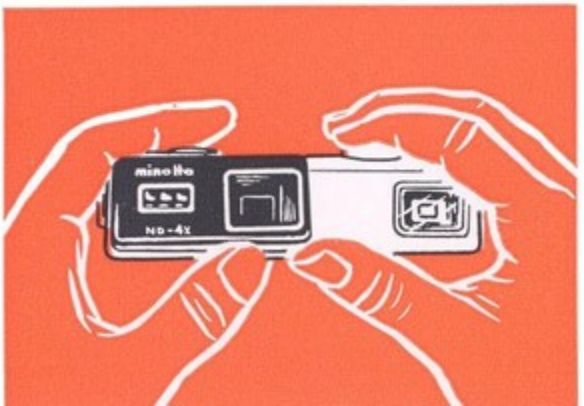
3. In case the signal disappears.

(1) In case a subject is excessively bright,for instance on the beach, the signal will disappear. In such case, apply the use ND filter on the lens and photo cell, then you will see the signal in the finder.

(2) In case the signal disappears at a dark place such as the interior of a house, a flash lamp or a speed light shoulld be used, because the amount of light is insufficient in comparison with the speed of film. (Refer to page 16.)

How to fit ther ND filter

Remove the UV filter and frame by pushing up the filter frame, then attach the ND filter over the lens and photo cell by inserting the top part first and then press lower part into position.



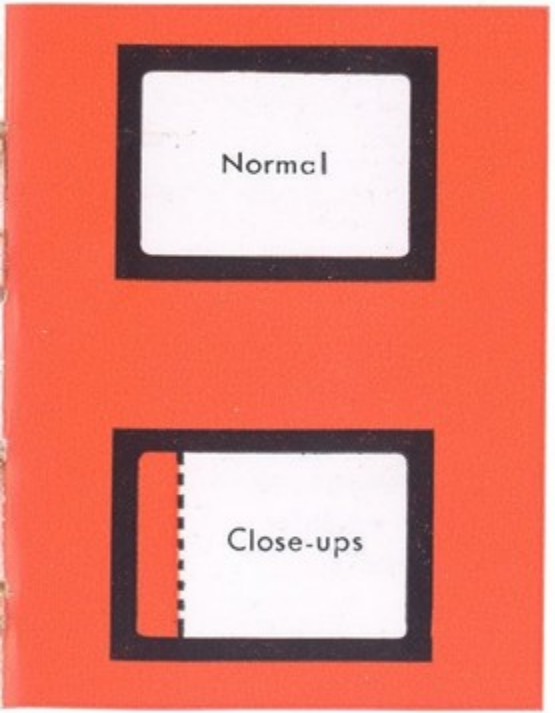




How to hold Minolta 16 EE.

There are basically two ways to hold your camera while taking pictures: vertical and horizontal. In any case, for taking sharp pictures with a sub-miniature camera such as Minolta 16 EE, it is most important to hold the comera firmly, and to release the shutter button slowly to avoid all movement. When you release the shutter, please make sure that you are not covering the lens and photo cell with the camera strap or your finger.

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How to compose

As you look through the viewfinder, you will see a white bright-frame near the outer edge. When composing the picture, please make sure that your subject is within the bright frame line.

The inner line at the left side of the bright frame is a mark for parallax correction. When you take close-up picture within 3 feet close up lenses to be used (1 meter) your subject must be composed inside of inner line.



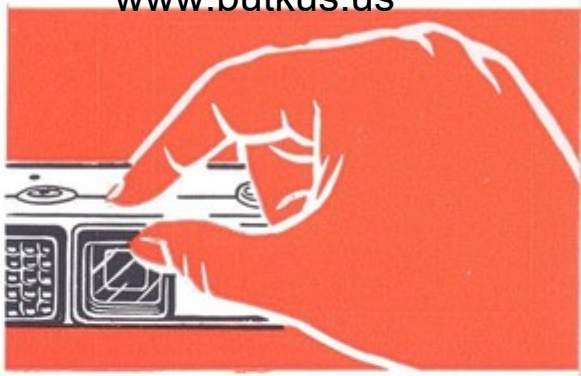
How to remove the film.

When 20 exposures are completed, "0" appears in the window of film counter. This number "0" indicates that the frame is the last one of the film.
After taking the last picture, take two more "blind" exposures to ensure that the exposed film is safely wound into the film cassette. Then the mark "E" appears and the film counter does not advance any more.
The back cover automatically opens when the back cover lock dial is turned to "Open". It is advised to remove the cassette .

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Using Close-up Lens

Use a close-up lens in case of close-up photography.
When using a close-up lens, the subject mark is set at "⊙.ᵻᵻ", similars to case of portrait photography.
The close-up lens No. 1 is designed to have a focus distance of 4 ft. and the close-up lens No. 2 a focus distance of 2.3 ft.



How to fit the close-up lens or filter.

The close-up lens, filter and the frame are of a detachable construction. When the part whereat the clamp of frame is attached is pressed as shown in the right picture, the frame comes off. Inserting the filter in the front of the lens, the frame is put over the close up lens or the filter.





With Yellow Fiter



Without Filter

Using Filter

The filters bring out truer tone and give you better looking picture.

(1) UV filter (Ultra-violet) for daylight photographs, to improve distant scenes by eliminating haze effects. (Exposure × 1)

(2) Yellow filter (Y 48) for deeper sky tones, bring out cloud effects, and for better tonal rendition of bright outdoor scenes particularly on sea, snow or sand. (Exposure × 2)

When you take the pictures with a filter over the lens, you can adjust the ASA speed to compensate for the filter factor ahead of time. ASA speed of the emulsion is graduated equally, and ASA 100 is twice as fast as ASA 50. When the filter used having a factor number × 2, divide the emulsion speed by 2. For example ASA 100 will be reduced to ASA 50 for this instance.

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Flash-photographing.

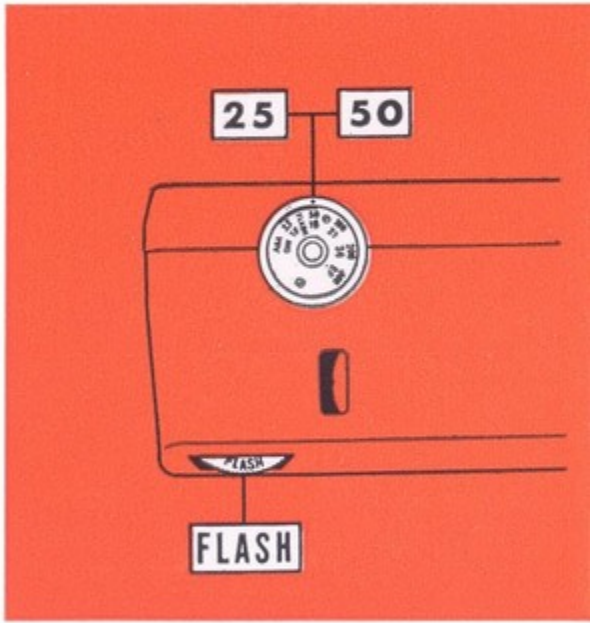
The flash terminal of Minolta 16 EE is an X contact point. Because of the peculiar design, this synchronizing contact point may act in concert with the flash lamp of any type and the speed light of every kind.

The exposure switch dial is changed over to "Flash". The Film Speed, ASA or DIN dial is set at "Flash" (Red line). The Film Speed, ASA or DIN is set at ASA 25 in case of using a flash lamp and at ASA 50 in case of using a speed light. By the changeover of the exposure switch dial to "Flash", the diaphragm is set at the stop "f 11".

In order to determine the correct distance of subject from lamp, you should devide the guide number (at 1/25 or 1/30 second.) by F stop 11.

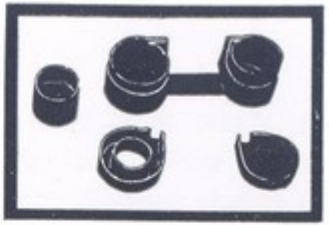
NOTE :

When taking flash picture, please refer to page 22.



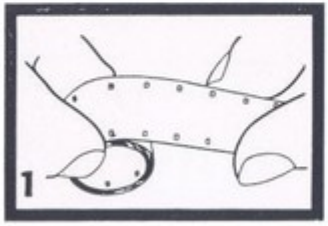
Howto load your own bulkfilm into the Minolta "16" cassette

(if you so desire)

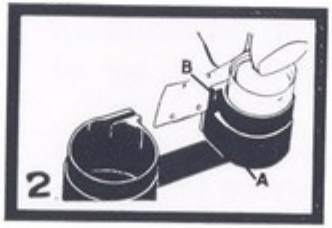


Before starting, arrange all parts of the cassette so that you can locate them in the dark. Also practice loading, with your eyes closed, until you know it to the last detail.

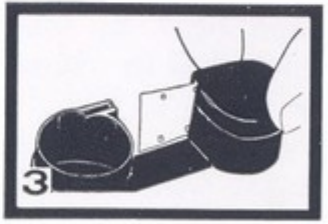
▶ IN TOTAL DARKNESS



1. Cut an 18" strip of film. Wind it into a small roll with the emulsion side in. Don't touch either side with your fingers.

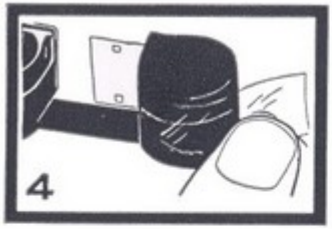


2. Place 18" film roll in smaller chamber of cassette (A), threading about an inch through slit (B) so that the end of the film protrudes.

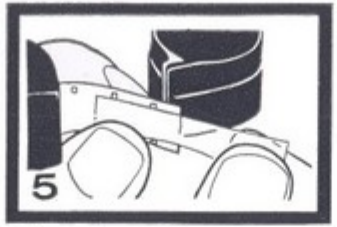


3. Put cover tightly over smaller chamber. At this point, it should look like this drawing.

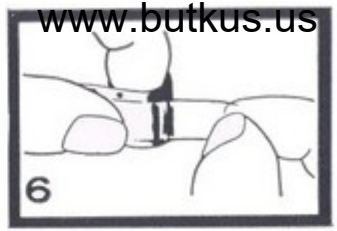
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4. Secure cover to cassette with a piece of pressure sensitive tape.

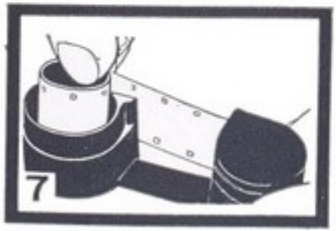


5. Stick a piece of pressure sensitive tape on film so that half of the adhesive part hangs off as above.

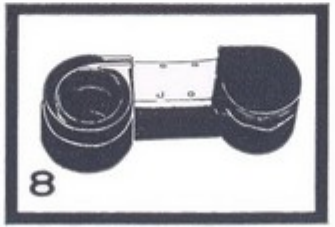


6. Hold film winding drum (C) on forefinger, like a thimble. Place it on a flat surface, line up with film and fix hanging end of tape.

Mike Butkus
Digitally signed by Mike Butkus
DN: cn=Mike Butkus, o=Butkus camera manuals, ou=butkus.org, email=mike@butkus.org, c=US
Date: 2021.10.21 12:16:03 -04'00'

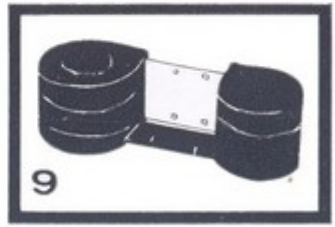


7. Wind 1½ times around drum making sure it rolls traight, and place in larger chamber, threading through slit.



8. It should now look like this :

9. Fit remaining cap over large chamber and secure with pressure sensitive tape. Label magazine as to film type. If you do not immediately load into your camera, wrap the cassette in light-proof paper for storage.



Enloy color slides.

Take color pictures by the use of your Minolta 16 E E. The Minolta Mini 16 projector, a slide projector exclusively used for Minolta 16 EE, beautifully projects color slides on a screen.

Enjoy color slides together with your family and intimate friends.





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Accessories

Minolta Baby Flashgun II
An extremely compact unit with modern B. C (long-life battery) design, as tiny as Minolta 16 EE





Minolta Viewer
Built in illuminator
magnification ×9



Minolta Color Filter Set
80 B. 81 B. 1 A.
Minolta Filter & Close-up Lens Set
Y 48. No. 1. No. 2.

Minolta Mini-Enlarger
For Minolta 16 film & 35mm





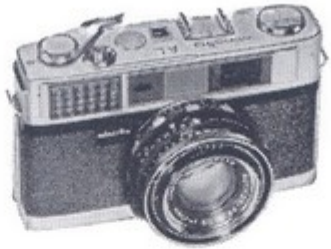
Minolta Developing Tank
Specially designed for 16 mm film

Other famous Minolta cameras



MINOLTA SR-1

With completely automatic 6-element, 55 mm f ; 1.8 lens, Supreme achievement in a top quality single lens refex camera. Completely automatic diaphragm and instant return mirror, plus every feature you could want in a fine camera.



MINOLTA AL

Built-in electric brain camera with fast super-high speed shutter. Coated Rokkor PF 45 mm f 2 lens. Accurate citizen shutter MLT B. 1sec to $\frac{1}{1600}$. Coupled exposure meter machanism assure you the best result at any time.



MINOLTA AUTOCORD

World standard of quality and performance in twin lens refex cameras. Automatic and unique one hand operation, lens 75 mm f : 3.5. Wide range of accessories.

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THE CORRECT DISTANCE OF SUBJECT FROM LAMP

Based on the Use of Polished Reflectors

Film	Flash bulb	Guide Number	distance (ft.)
KODAK Plus-X	AG — 1	110	10
	M — 2	120	10.5
	# 5	190	17
KODAK Tri-X	AG — 1	200	18
	M — 2	240	21
	# 5	380	34
Ansco-chrome Daylight ASA 32	AG — 1B (blue bulb)	60	5
	M 2B (blue bulb)	75	6.5
	# 5B (blue bulb)	110	10

MINOLTA CAMERA CO., LTD.

Leading camera manufacturer since 1928.

Guarantee Certificate of Minolta Camera

Minolta 16 EE is guaranteed for a period of one year from the date of purchase by Minolta Camera Co., Ltd. against defects of any kind due to workmanship or quality of materials used in its manufacture.



MINOLTA CAMERA CO., LTD.

OSAKA, JAPAN

ME-303 I

Printed in Japan