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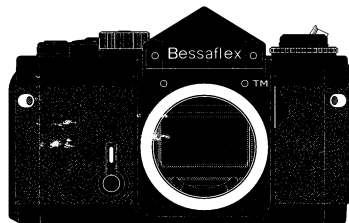
PayPal Name Lynn@butkus.org

INSTRUCTION MANUAL

Voigtländer

Seit 1756

BESSA-Flex



Congratulations on selecting a Bessaflex camera.

This is a compact and lightweight SLR camera with a TTL stop-down metering system and M42 lens mount.

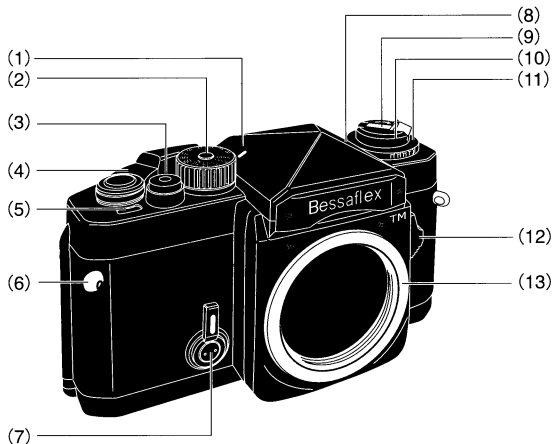
Enjoying good photography becomes far easier with this camera.

All you must do is focus, set your exposure with the LED meter and take a photo by pressing the shutter release.

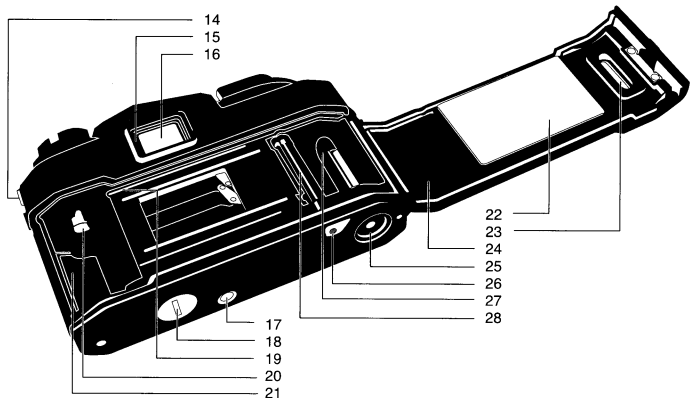
By carefully reading this booklet, you can enjoy an easy to use camera and take many quality photographs.

Description of Parts

- (1) Shutter Speed Index
- (2) Shutter Speed Dial
- (3) Shutter Release Button
- (4) Film Advance Lever
- (5) Frame Counter
- (6) Neck Strap Eyelet
- (7) Selftimer Lever
- (8) Film Speed Index
- (9) Film Rewind Crank
- (10) Film Rewind Knob
- (11) Film Speed Selector Dial
- (12) Metering Switch
- (13) Thread Mount

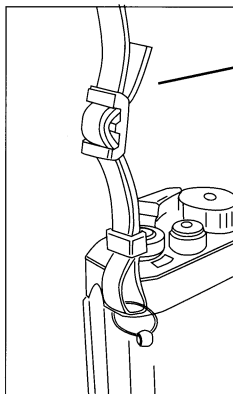
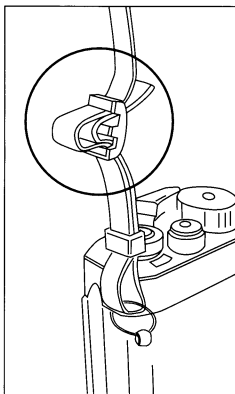


- (14) Synchro Contact
- (15) Finder Frame
- (16) Finder Eyepiece
- (17) Tripod Socket
- (18) Battery Chamber Lid
- (19) Film Guide Rails
- (20) Film Rewind Fork
- (21) Film Cartridge Chamber
- (22) Film Pressure Plate
- (23) Film Cartridge
- Confirmation Window
- (24) Camera Back
- (25) Winder Coupler
- (26) Film Rewind Button
- (27) Film Take-up Spool
- (28) Film Sprockets



Attaching Neck-strap

Attach the neck-strap to the camera as illustrated below:



Mounting/Removing Lens

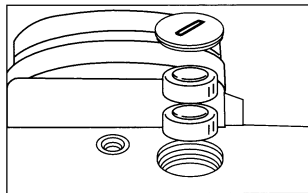
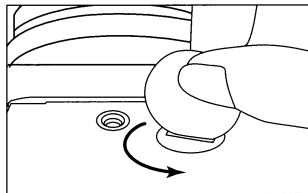
- * To attach or detach the lens, avoid placing the camera in direct sunlight.
- * Make sure to set the Metering Switch (12) to the OFF position.

1. Align the lens mount threads with that of the camera, then turn the lens clockwise.
 - * Pay attention to not over-tightening the screw-on lens.
2. To detach the lens from the camera, turn the lens counter-clockwise.



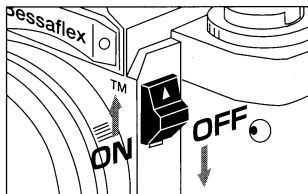
Inserting Batteries

1. Turn the battery chamber lid (18) counter-clockwise by using a coin or something similar.
2. Insert two LR44 alkaline or two SR44 silver batteries into the battery chamber.
3. Take care to place the batteries so that both positive (+) sides face the bottom of the chamber.
4. Turn the battery chamber lid clockwise until it closes firmly.



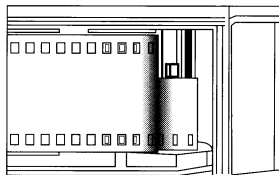
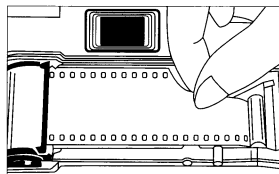
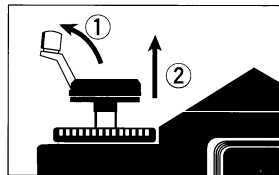
Battery Check

1. Push up the Metering switch (12) until it is locked in the ON position
- * When one of the three LED indicators (+ o -) light in the finder, then battery condition is satisfactory. If no indicator lights, the batteries need replacing or have been loaded incorrectly.
2. Change both batteries as necessary.
 3. Push down the metering switch to the OFF position.



Loading Film

1. To open the camera back (24), pull Film rewind knob (10) out.
When the back cover opens, the Frame counter (5) automatically resets to "S".
 2. Insert the film cartridge into the film chamber so that the projecting end of the film cartridge is downward.
 3. Fold out and lift up the Film rewind knob (10). Then rotate the crank carefully while push in it down lightly until the film locks on the Film rewind fork (20).
 4. Return the film rewind knob to its original position.
 5. Insert the film leader into the groove of the Film Take-up spool (27) and place it so that the film perforations engage with the spool teeth.
 6. Check that the film perforations engage properly with the teeth of Film sprockets (28) and the film slides smoothly along the Film guide rails (19) by operating lightly the Film advance lever (4) to advance the film.
 7. Turn the film rewind crank gently in the direction of the arrow to properly tension the loaded film. Stop turning the crank when it becomes stiff, and return the crank to its original position.
 8. Gently close the back cover and push it until it clicks.
 9. Advance the film a couple of frames, pressing the shutter release button each time, until frame counter indicates "1" between 0 and 2. The film rewind knob rotates each time the film is advanced showing that the film is advancing properly.
- * When advancing the film, wind the film advance lever slowly and securely until the film is fully transported to the next frame.

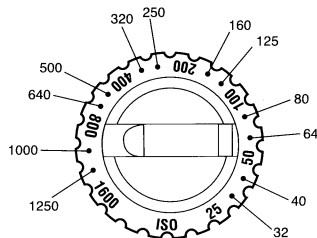
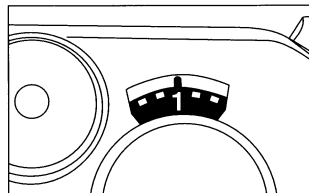
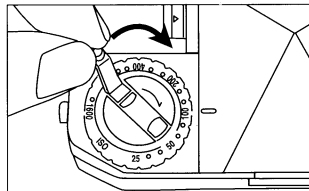


Film Speed Setting

1. Film speed is indicated on the outside of the film package, in the film instructions or on the film cartridge.
2. Set the Film speed Selector Dial (11) so that Film speed index (8) indicates the value on film speed selector dial corresponding to the film used.

For example, if filmspeed shown on the film is ISO 100/21, set the filmspeed selector dial to the 100 on the dial matches with the index.

3. Detents are provided at each step of film speed on the films peed selector dial. When setting the film speed, make sure that it clicks into place.



Exposure Setting (Shutter speed priority)

1. Turn the shutter speed dial (2) so that the white indicator line aligns with the desired shutter speed value. If the dial is accidentally set at the intermediate positions of the index, the shutter speed will be incorrect. Be sure that the dial clicks into the position where the white line aligns with the desired value.

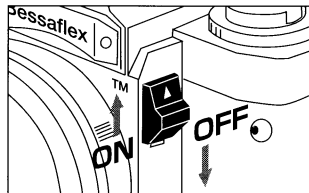
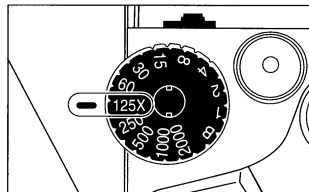
Subject

Stationary subject in subdued Light
Indoors in normal conditions
Outdoors on a fine day
Seaside in midsummer
Mountain area with snow
Fast moving subjects

Shutter speed

1~1/15
1/30~1/60
1/125~1/250
1/500~1/2000
1/500~1/2000
1/500~1/2000

Note: Outside the exposure metering range of your camera (EV1 to EV19), the exposure meter will not function properly and the green LED indicator may light in error despite incorrect exposure.

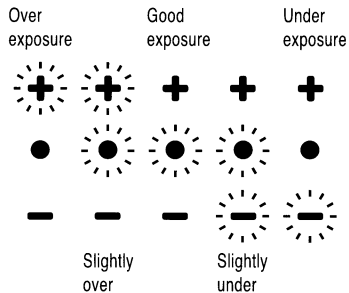


2. Push the Metering switch (12) up until it locks in the ON position. Then turn the aperture ring on the lens until the green O indicator lights in the view finder. If the red + indicator lights, it means over exposure.

In that case, turn the aperture ring in the direction of a greater f/value. If the red-indicator lights, it means under exposure, so turn the aperture ring to a smaller f/value.

3. Push the Metering switch (12) down to its original OFF position.
 - * If the Shutter release button (3) is pressed while the Metering switch (12) is at ON position, metering switch will return automatically to its original OFF position.
 - * The meter is equipped with power hold function. When the Metering switch is set at ON position once, the LED in view finder is on for about 30 sec.

If the LED goes off too soon, then push the metering switch to OFF position once and then put it to ON position again.
 - * To avoid excessive battery consumption, keep Metering switch at OFF position while not in use.



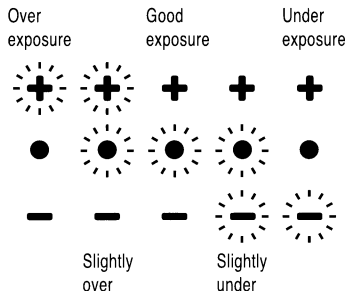
With brighter subjects, fast moving subjects or with the higher value film speed of the film used, it is recommended to use higher shutter speeds. Recommended shutter speed with ISO 100/21 film under typical situation is as below.

Exposure Setting (Aperture priority)

1. Turn the aperture ring on the lens until the index on the lens barrel indicates the desired f/value.
Click detents are provided each step of shutter speed on the Film speed dial (2).
When setting the shutter speed, make sure that it clicks into place properly.
2. Push the Metering switch (12) up until it locks at ON position.
Then turn the Shutter speed dial (2) until the green O indicator lights. If the red + mark lights, turn the shutter speed dial toward the higher shutter speed setting and if the red - indicator lights, then turn the shutter speed dial toward the lower shutter speed setting.
3. When done, push the Metering switch (12) down to its original OFF position.

The suitable aperture value change according to the brightness of the object, the depth-of-field desired or film speed in use. Typical settings of the aperture with ISO 100/21 film are as below.

Subject	F/value
Indoors in normal conditions	F/2~F/4
Outdoors on a cloudy day	F/4~F/8
Outdoors on a fine day	F/8~F/11
Seaside in midsummer	F/11~up
Mountain areas with snow	F/11~up



Focusing

1. Focusing is done by watching the circled area in the center of the viewfinder screen. Within the circle is the splitimage prism and around the circle there is the microprism collar.

Put Metering switch (12) down to OFF position and set the aperture ring of the lens used at widest aperture, then turn the focusing ring on the lens to focus.

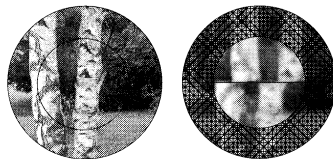
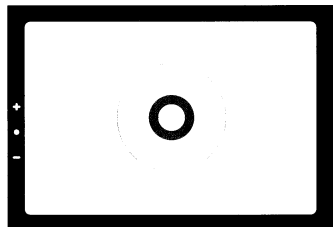
2. In order to focus with the split image prism, match the top half of the center circle in line with the bottom half. When they are aligned, focus is correct.

When the upper-and lower-half images in the center circle are not aligned, it is out-of-focus.

3. To focus with the microprism collar outside center spot, a broken shimmering image is on the screen when it is out-of-focus. When the image in the outer circle becomes clear and smooth, it is in focus.

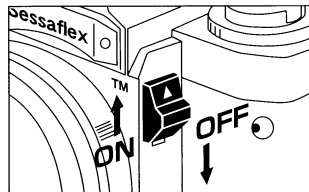
4. Focusing with the entire matte surface of the viewfinder is also possible. In this case, when the sharpest image is obtained on the screen, precise focusing is accomplished.

5. Choose the most effective focusing method from the above list according to the shooting situation. (Such as the lens used, the subject, etc.)



Confirming Depth-of-Field

1. Push the Metering switch (12) into the ON position after setting aperture ring on the lens.
2. Confirm the Depth-of-field in the view finder.
3. Push the Metering switch down the to OFF position.

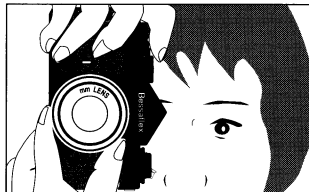
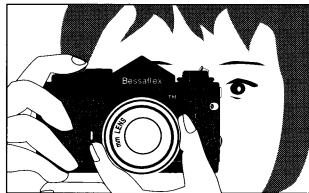


Holding Camera

1. Hold the camera in the palm of the left hand so as to turn the lens focusing ring easily with fingers.
2. Hold the camera body lightly and place your right index finger lightly on the shutter release button.
3. Press your left elbow lightly against your body and look through the view finder to steady the camera against your face. Then relax your right arm holding the grip.
4. With lower shutter speeds, it is recommended to use a tripod and/or cable release.

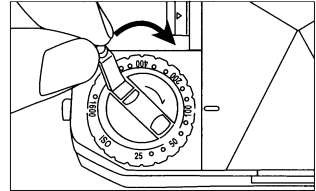
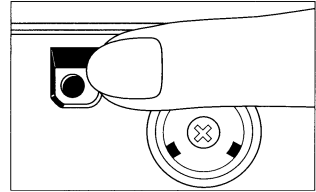
Winding the Film

You can wind the film on to the next free frame either by a full single stroke or ratchet lever action.



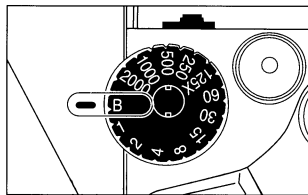
Rewinding the Film

1. When the film advance lever no longer operates smoothly, check the frame counter (5) display. If the frame counter shows that the all frames of the loaded film have been exposed, then it is time to replace the film.
2. Press the film rewind button (26) on the camera base.
3. Fold out the film rewind crank (9) and turn it in the direction of the arrow.
4. Once the pressure eases, the film is completely wound into the cassette.
5. Lift up the film rewind knob (10) and pull it up to open the camera back (24). Now the film cassette can be taken out.
6. Do this in a place away from direct sunlight.



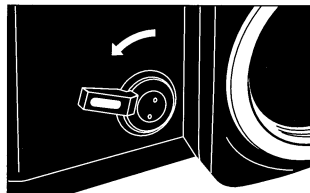
” B “ (bulb) setting

1. With the shutter speed dial (2) set at ” B “ position, the shutter will remain open for as long as the shutter release button (3) is pressed.
2. This setting is useful when an exposure longer than one second is required, such as in landscape photography or at night. Or it may be used for special effect photography by employing the flash test button in subdued lighting conditions.
3. Be sure to use a tripod and/or remote shutter release when using this shutter speed setting.



Self-Timer

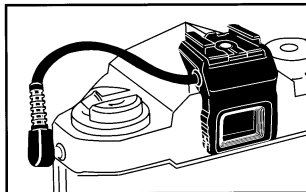
1. Wind the film advance lever (4) and fully turn the self-timer lever (7) counterclockwise. Now the self-timer is ready to release.
2. Press the shutter release button (3) and the self-timer operates to release the shutter approximately 10 seconds later.
3. Once the self-timer becomes ready it is impossible to return it manually. So set it when you are ready to use it.
4. The self-timer is very useful when you wish to include yourself in a picture, or you can use it in order to prevent camera movement during extended exposures, instead of using the remote shutter release.



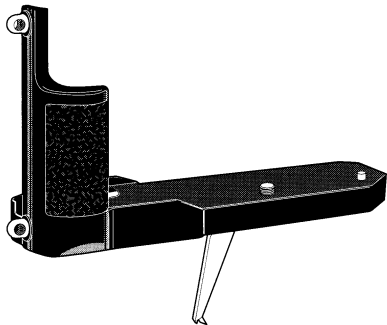
Flash Photography

1. Insert the optionally-available double shoe adapter for simultaneous use of flash and external finders (15).
2. Connect synchronized cord of shoe adapter to synchro contact (14) on the camera.
3. Slide the flash unit into the hot-shoe on the shoe adapter.
4. Set the shutter speed dial (2) to 1/125 sec or lower.
5. Set the corresponding aperture value with the Guide Number of your flash unit by operating the aperture ring of the lens used.

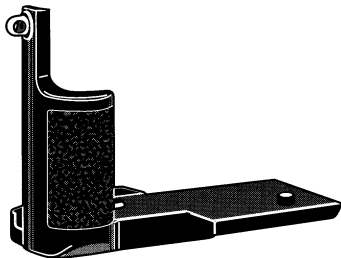
For details on how to determine the correct aperture value to use, follow the instructions given in the manual of your flash unit.



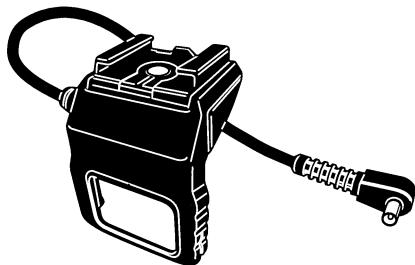
Optional Accessories



* Manual operation fast Trigger Winder



* Side Grip



* Shoe Adapter

Specifications

Type:	35mm SLR camera with focal plane shutter and TTL stop-down metering with 3 LED display. Exposure setting obtained by matching O mark.
Film Format:	24mm X 36mm
Shutter:	Metal focal plane shutter operating vertically B, 1-1/2000s
Flash Synchronization:	X contact, synchronized at 1/125 or lower shutter speed.
Viewfinder:	Eye-level finder with use of pentaprism image.
Field-of View	95%
Focusing method:	Matching the divided image through horizontal split image prism center sopt.
Displays in view finder:	Red + mark LED Overexposure warning Green O mark LED Proper exposure indication Red - mark LED Underexposure warning
Exposure metering:	TTL stop-down metering system. Center weighted area measurement.
Measurement range:	ISO 100/21 EV1 (F1.4, 1s)-EV19(F16, 1/2000s)
Filmspeed setting:	ISO25/15-3200/36, by 1/3 steps
Film advance:	By single and/or ratchet lever action. Double exposure lock system. Trigger winder available as optional accessory.
Film rewinding:	By operating the film rewind knob and film rewind crank, the button resets automatically to the original position at the completion of film winding.
Frame counter:	Progressive type with auto reset by opening the back cover.
Self-timer:	Mechanical self-timer, approx. 10sec. Duration
Power source:	Two 1.5V alkaline batteries (LR44) or silver batteries (SR44)
Size and weight:	135.5 X 89 X 52.5mm, 485g (body only)

* These specifications and external appearance are subjected to change for improvement without prior notice.