

BRONICA CO., LTD.

2-11, Shin-Ogawamachi
Shinjuku-ku, Tokyo 162, Japan
Tel: (03) 267-0211
Telex: 0232-2096 BRONC J
Cable: BRONICA TOKYO



FILM BACK SQ 135

INSTRUCTIONS
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The Film Back SQ 135 has been developed as an integral accessory for the Zenza Bronica SQ-A/SQ-Am single lens reflex system.

Because it is possible to interchange film backs, the accessory makes it possible to increase the scope of photography with the SQ-A/SQ-Am to cover the 35mm format, too, whereas medium format cameras were generally limited to the 120 and 220 roll films previously. The accessory is available in two frame sizes, or the SQ 135-N (normal) with a standard frame size of 24 x 36mm and the SQ 135-W (wide) with a wider frame measuring 24 x 54mm. Both types are used in the same manner but must be used with their exclusive film holders, which are not interchangeable.

The optional Focusing Screen S-135 is also recommended, in place of the standard focusing screen, since there are frame area indications for both frame sizes, in this case. Please read the instructions through completely before you use the accessory, as you will then be able to use the accessory with greater ease and more satisfaction.

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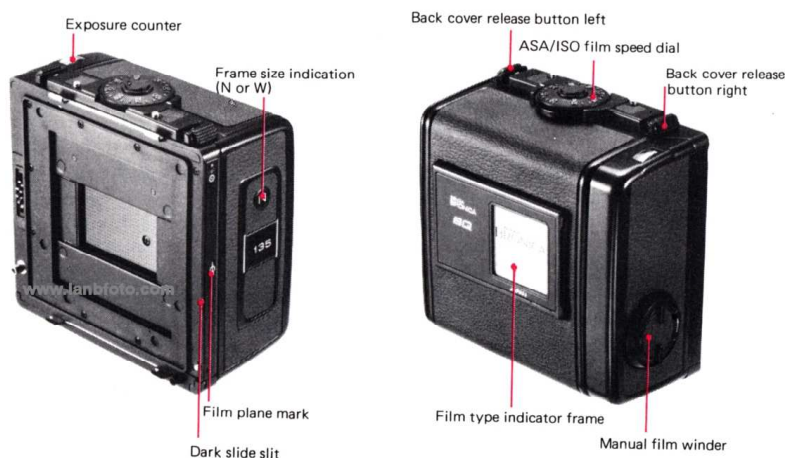
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Specifications of the Film Back SQ 135

Type	: Interchangeable type film back for 35mm film use. ASA/ISO film speed dial coupling to meter finder.
Models	: Film Back SQ 135-N (normal) for standard frame size and Film Back SQ 135-W (wide) for wide frame size photography.
Cameras	: For use with Zenza Bronica SQ, SQ-A and SQ-Am models.
Film	: Cartridge-loaded 135 film.
No. of Frames	: 36Ex./ 24Ex./ 20Ex./ 12Ex. : 36Ex./ 24Ex./ 20Ex./ 12Ex. (SQ 135-N) : 23Ex./ 15Ex./ 12Ex./ 7Ex. (SQ 135-W)
Negative Size	: 24 x 36mm (SQ 135-N) : 24 x 54mm (SQ 135-W)
Winding Action	: One full forward revolution of the film winding crank on the main camera body (irrespective of frame size). Ratcheted winding also possible. (SQ, SQ-A) Motorized automatic film winding. (SQ-Am) Manual film winder available on film back.

②

Nomenclature



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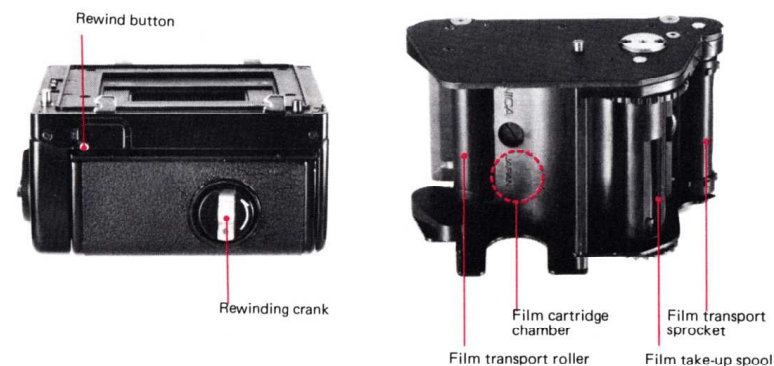
Rewinding Action	: Manual rewinding with rewinding crank on film back.
Exposure Counter	: Automatic re-setting additive type.
Dimensions	: 90mm wide x 47mm long x 91mm high
Weight	: 500 grams

* Focusing Screen S-135 (Optional)

Exclusive focusing screen with standard (N) and wide (W) frame areas indicated (available in microprism/split-image type or matte type); shows 95.8% of the actual frame area; exchangeable with standard focusing screen.

* Film Back SQ 135-N and Film Back SQ 135-W must be used with their exclusive film holders only.

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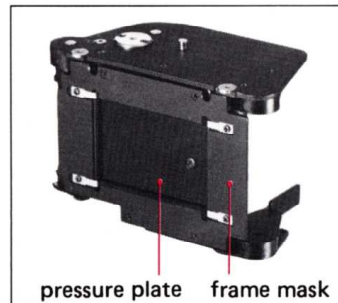
⑤

1 Film Back Construction



A. The Film Back SQ 135 consists of a film back and film holder insert. The film back has the film winding and rewinding mechanisms, ASA/ISO film speed dial, a dark slide slit and the coupling mechanism to the main camera body.

⑥



B. The film holder is the insert for loading film in the film back and has film cartridge chamber, film transport sprocket, take-up spool, frame mask, pressure plate, etc.



B. Pull the rewinding crank, on the base of the film back, down. Then, pull out the film holder from the film back, from the side with the film cartridge chamber.

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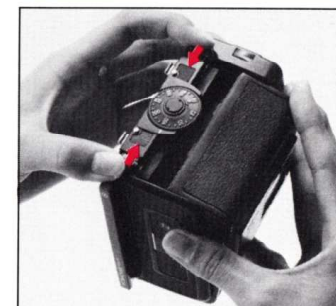


C. Insert the film cartridge into the film cartridge chamber, as indicated (with the film feed opening located deep inside the guide). Pull the film leader out slightly, wrap it around the outside of the roller and insert it into the slit made by the frame mask and the pressure plate on the front side.

2 Film Back Attachment/Removal

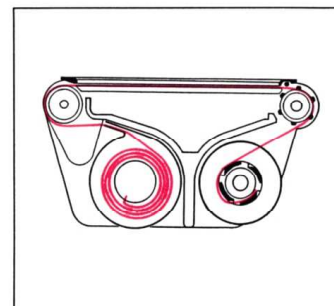
See "Attachment and Removal of Film Backs" in the instructions for the main camera body, since operations are the same.

3 Film Loading

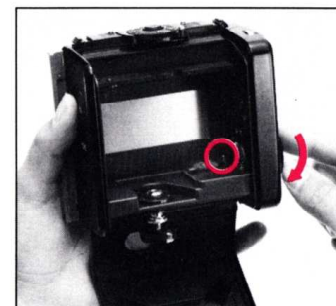


A. To open the back cover, squeeze the left and right back cover release buttons, in the arrow-indicated directions, at the same time and the back cover will open.

⑦



D. Pull the film out from the slit between the frame mask and pressure plate and insert it into the take-up spool slit, with perforations engaging the film transport sprocket teeth, as illustrated. Rotate the take-up spool about one-half turn, in the arrow-indicated direction, and engage the film.



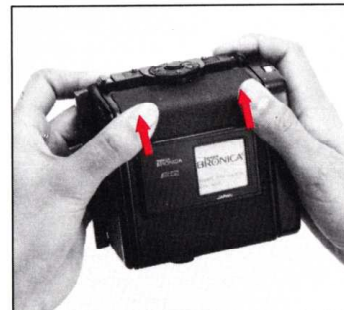
E. Next, rotate the manual film winder one-half turn, in the arrow-indicated direction, which will reverse the rewind button. The rewind button will automatically move down, with an audible click. About 2mm of the rewind button top will still be seen, inside the film back, when it is fully reversed.⑨



F. Insert the loaded film holder into the film back. (The rewinding crank should, of course, still be pulled out, at this time.) The film holder should be inserted diagonally, with the sprocket teeth side going in first, after which the cartridge chamber side should be pushed ⑩ in fully.



G. Push the rewinding crank back in, which will fix the film cartridge. Then, while holding the film holder, rotate the rewinding crank in the rewinding direction (as indicated by the arrow) or turn the manual film winder in the winding direction (as arrow-indicated) and take up any slack in the film.



H. Close the back cover, by pressing it firmly against the base of the film back, as illustrated. The back cover will automatically lock and close.



I. Attach the film back to the main camera body. Then, rotate the film winding crank and take blank shots until the first dot (●) appears in the exposure counter. The film is advancing properly if the rewinding crank rotates in the clockwise direction (as indicated by the red arrow), at this time. ⑪

When used with the SQ-Am, take blank shots by pressing the shutter release button until the first dot (●) appears in the exposure counter.

4 ASA/ISO Film Speed Dial



To set the film sensitivity of the film loaded in the film back, revolve the ASA/ISO film speed dial with a slight lifting action, as illustrated, and set the film speed scale to the index. There are click-stops at 1/3rd increments, in this case. (The dial can be revolved in either direction)

* The ASA/ISO film speed dial is automatically coupled to the finder with built-in exposure meter, when attached.

5 Film Type Indicator Frame



Upon loading the film, tear off the end flap from the film package and insert it into the film type indicator frame. This will help you keep track of the film loaded in the film back, even when two or more film backs are used with different films.

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6 Film Advance/Shutter Cocking



Rotating the film winding crank once, in the forward direction, until it stops, will advance film and cock shutter, at the same time. Or, short, rapid strokes will also do the same job. (SQ, SQ-A)

In the case of the SQ-Am, the film will be advanced and the

shutter will be cocked automatically after the shutter release button is depressed and the picture taken.

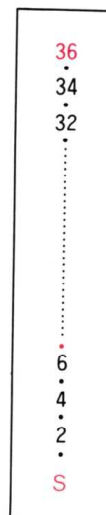
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7 Exposure Counter



The exposure counter is additive and shows the number of frames exposed. Starting from "S", even numbers are shown as actual numbers and odd numbers as dots. "S", 12, 20, 24 and 36, as well as dots for 7, 15 and 23, are in orange but the rest are white-colored.

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8 Film Rewinding



Upon exposing all frames, push the rewind button in and rotate the rewinding crank in the direction of the arrow-indication, until tension decreases and the film is rewound.

Should the rewind button pop up again, when pressed, turn the winding crank of main body or

* Use the multiple exposure lever on the main body for taking multiple-exposed pictures. Multiple exposures are not possible by pressing the rewind button on the film back, since the film will be advanced, in this case.

manual film winder of film back slightly to forward direction while pressing the rewind button in for a short time.

And, confirm the rewind button being pressed in.

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9 Film Unloading

Warning

Commercial photofinishing machines will automatically cut 35mm film in strips, thereby destroying several frames of your wide format (24x54mm) pictures. It is important to advise your photofinisher NOT to cut your negatives if they were produced with wide size (24x54mm) 35mm film back.

Upon rewinding the film, open the back cover and unload the film in the reverse order of the loading operation.

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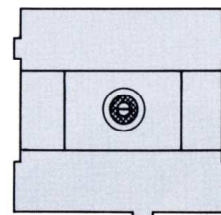
Film Back SQ 135-N
(24 x 36mm)



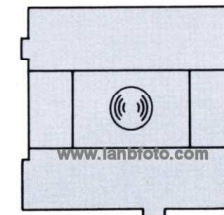
Film Back SQ 135-W
(24 x 54mm)

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10 Focusing Screen



Focusing screen S-135
(Microprism/Split-image)



Focusing screen S-135
(Matte)

The focusing screen of the main camera body does not show the fields of view of the Film Back SQ 135 and should be exchanged for an exclusive Focusing Screen S-135 (microprism/split-image or matte type) which shows 95.8% of the actual frame.

See instructions for the main body on exchanging the focusing screens.

When using finders with a built-in exposure meter, proper exposure will not be possible when extreme high-lights or shadow areas are found outside the normal (N) or wide (W) frame areas. Therefore, do not cover the area outside the frames with a black mask, as it should be possible to check the outside area, too.

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