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**2 1/4" × 2 1/4" (6cm × 6cm) Single-lens reflex Camera**

**FEATURES of the**

*lenza*  
**BRONICA-Σ2**

**& INSTRUCTIONS**



## SPECIAL FEATURES OF THE ZENZA BRONICA MODEL—S2 CAMERA

The Zenza Bronica S-2 is the ultimate single lens 6×6 reflex camera, designed to add improvements to the S type and C type. This new camera accepts both standard 120 size film and the new 220 size film. The noted Nikkor lenses are equipped with instant return automatic diaphragms. A full line of accessories is available for this camera. The Zenza Bronica S2 is a supreme camera both in name and reality.

### ■ Instant Return Automatic Mirror:

The reflex mirror of Bronica Model S2 is an exclusive and original mechanism. It is very different from that of other single lens reflex cameras. Usually mirrors move upward, but the Bronica instant return automatic mirror moves forward and down. After the exposure, it instantly and automatically returns to viewing position. Thus, it is possible to use wide-angle and large caliber lenses, and a bright image remains on the ground glass except while the shutter is in motion.

### ■ INTERCHANGEABLE 'FILMINDER' BACK

This convenient feature offers many advantages. It is possible to change film in the middle of a roll (black-and-white to color, color to black-and-white, indoor to daylight, etc.) without the loss of a single exposure. It permits you to preload several backs and shoot continuously without stopping for reloads. The filminder back is fully automatic and foolproof. It is equipped with a metal dark slide to prevent the film from being exposed while the back is off the camera. The back cannot be removed until the dark slide is inserted and while the back is off the camera, the dark slide cannot be withdrawn. When a filminder back is attached to the camera, no attention need be paid as to whether the film or the shutter has been previously wound. The film advance crank, which normally winds the shutter and the film simultaneously, automatically performs only the required function. For example, if the shutter is wound and if the film in position has been exposed, turning the crank will only advance the film to a fresh unexposed section. Also, when the back is on the camera, the dark slide must be completely withdrawn before an exposure can be made.

### ■ Exclusive Nikkor Lenses and Automatic Diaphragm:

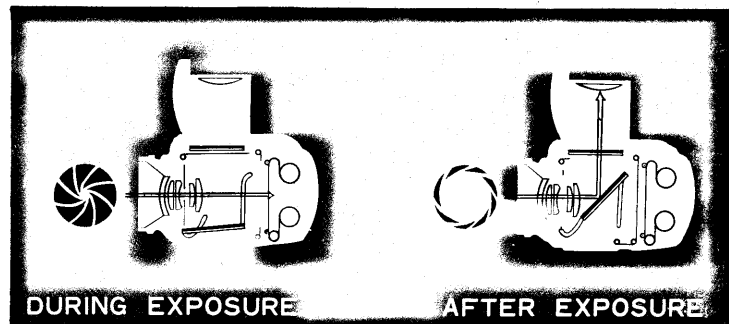
Nikkor lenses are especially designed for Bronica Cameras and can be used with C type, and S type. You can speedily adjust the focus of the bright image; These lenses (50mm, 75mm, 135mm, 200mm and 400mm) have instant reopening automatic diaphragms.

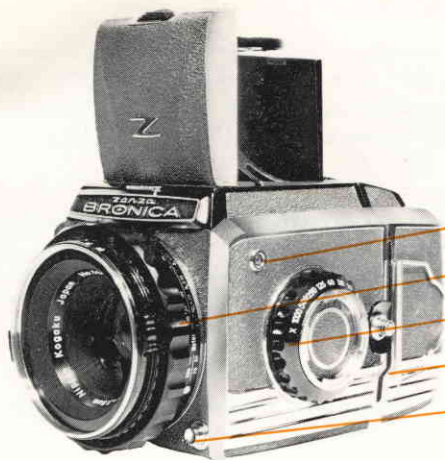
### ■ Depth-of-Field Preview Button:

By pressing this depth-of-field preview button, you can check the depth-of-field before exposing.

### ■ Switch Lever for 24 Exposures:

Ordinary 120 film gives 12 exposures. 24 exposures are possible on the new 220 size film. The Bronica Model—S2 has an entirely new system permitting either length to be used.





Focusing hood

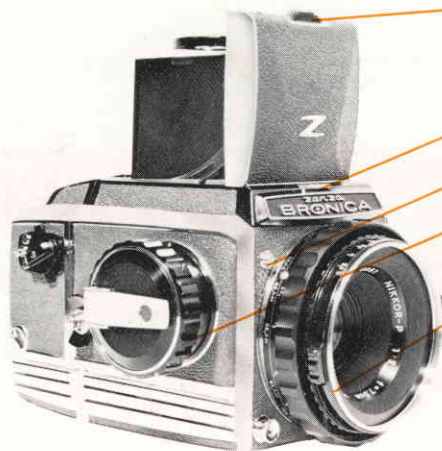
Synchro terminal

Helicoid (Focusing adjusting ring)

Shutter dial

Film back retaining lock gate

Depth-of-field preview button



Focusing hood lock

Focusing hood retaining lock

Helicoid retaining lock

Film winding knob

Shutter release  
with cable release socket

Aperture ring

Magnifier

Camera strap stud

Film type indicator mask

Switch lever for 24 exposures

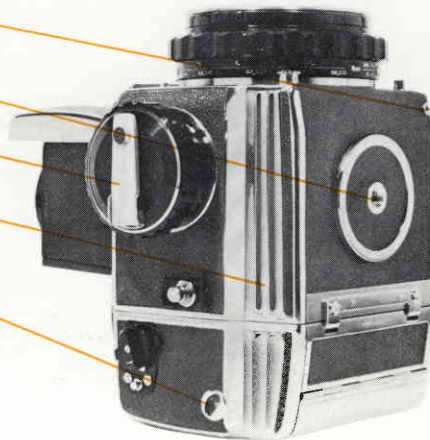
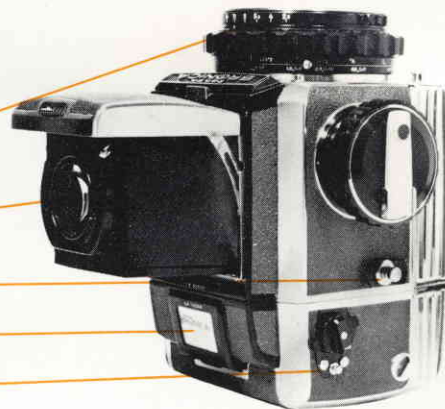
Cable release socket

Tripod screw hole

Film winding crank ( folding)

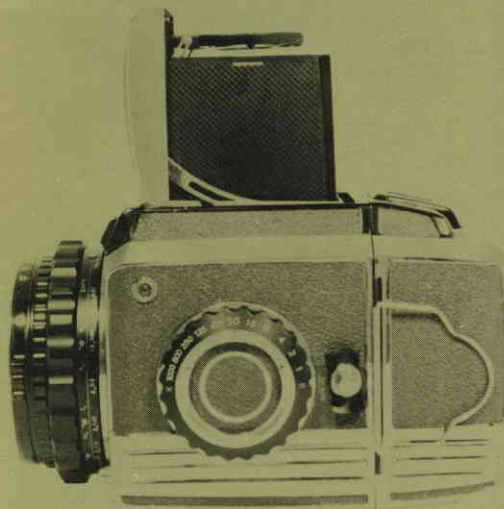
Stainless steel plate

Film counter





# INTERCHANGEABLE FILMINDER BACK



Color film ↔ Monochrome film  
Low speed film ↔ High speed film  
Daylight film ↔ Tungsten film  
Positive color ↔ Negative color  
(Transparency)

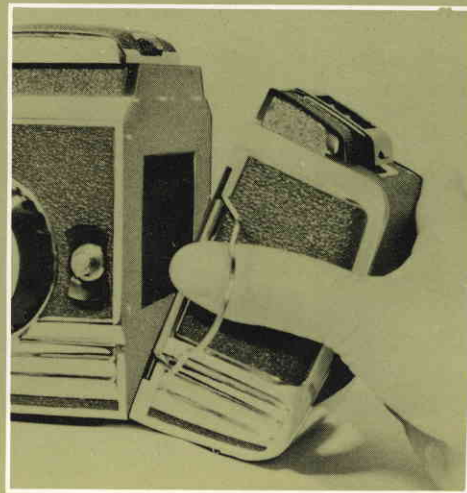
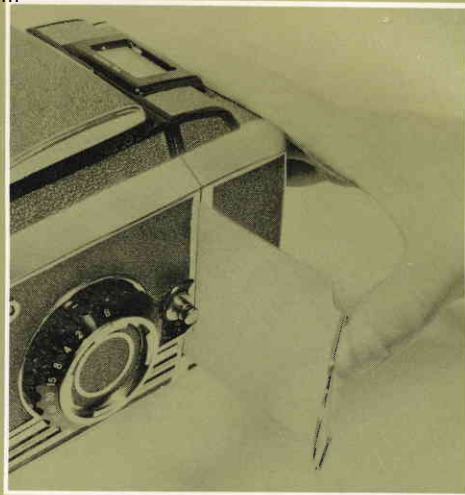


The standard Bronica S2 film back magazine is specially designed to accept either the 12 exposure 120 or the 24 exposure 220 roll film. With the Model-E film back magazine, you can get 166 x 4.5 exposures on the 120 film and 326 x 4.5 exposures on the 220 film.

### REMOVING THE FILMINDER BACK

Insert the dark slide into the filminder back. Hold the camera in the left hand. With the right hand, hold the filminder back with thumb on the protruding edge of the dark slide. Press the dark slide inward with the thumb. This will release the filminder back from the camera. Remove the back by tilting and lifting it off the open hinge at the bottom.

Note: The dark slide is only necessary for removing the filminder back from the camera and should be withdrawn after back is attached to the camera.



## FILM LOADING :

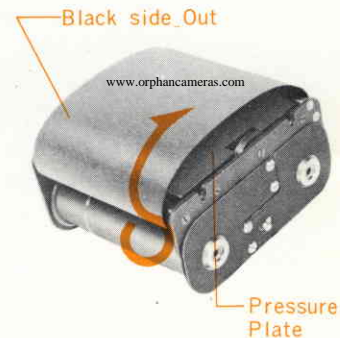
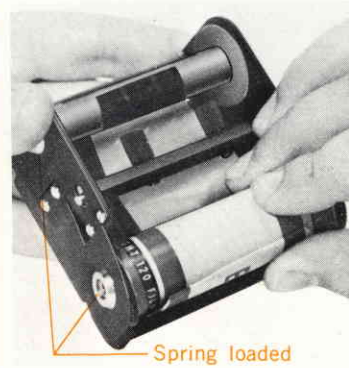
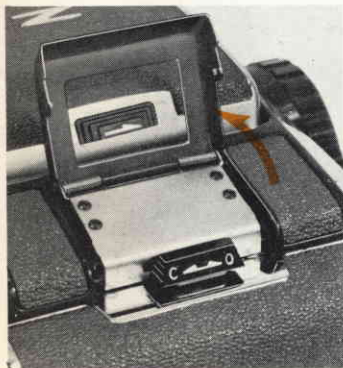
*The ZENZA BRONICA S2 and model C use 120 and 220 (Brownie) size roll films*

1. Lift film indicator frame and press hood lock to right. Back will spring open.

2. Press two knobs together and lift film holder out.

3. Insert empty take-up spool in top and fresh film spool on bottom. Spools are inserted by pressing out against spring pressure plates on left side.

4. Draw leader paper down and across film pressure plate making sure that the leader paper is black side out.





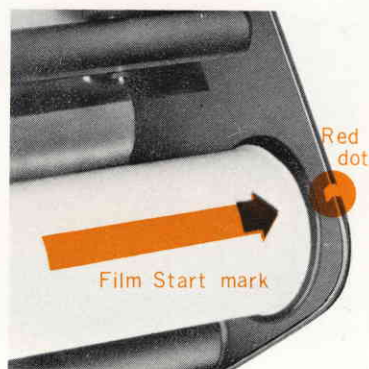
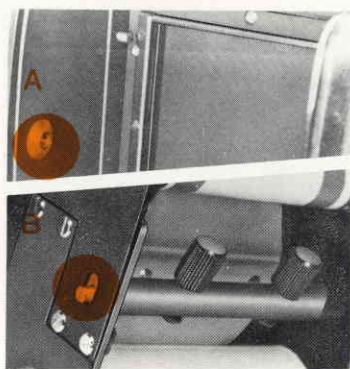
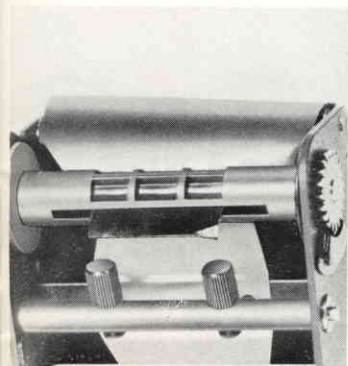
*Avoid direct light on film while loading*

5. Insert paper end in take-up spool and wind one turn.

6. Press two knobs together and insert film holder into film back making sure that the film holder studs snap firmly into place. If film holder is not yet in position, turn film winder slightly and push film holder again until it snaps into place. (Be sure to turn manual film winder in direction of arrow.)

7. Advance film with manual film wind on film back until film start mark matches red dot on holder.

8. Close back making sure hood lock covers the red mark.



## REMOVING EXPOSED FILM

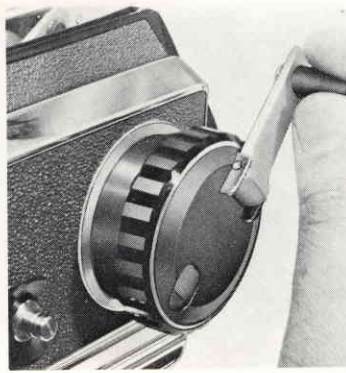
9. The film indicator frame is designed to accept the end flap of the empty film box to indicate the type of film loaded in the film back.



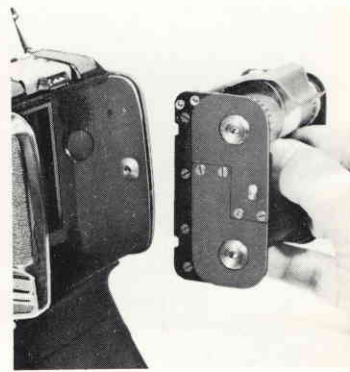
10. Only even numbers will show in the exposure counter window after the number "8" appears. Odd numbers are indicated by a line. (On the Model E, only even numbers appear after the number "4". Odd numbers are indicated by a dot.)



1. After taking last (12th or 24th) exposure, wind forward until indicator in film counter window does not move. (On the Model-E after the last (16th) exposure on the 120 film is shot set pointer to "F" by pushing the free lever to right. Film winder will become free and the film can be quickly wound up on take-up spool.)



2. Open back cover and take out film holder gently by pressing two knobs together.



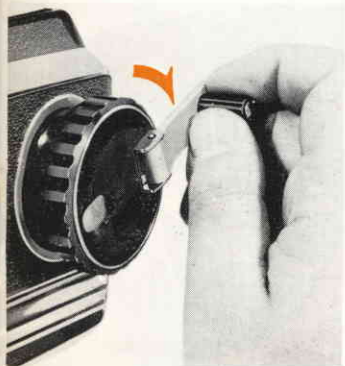
## ■ TAKING PHOTOGRAPHS

1. To cock shutter and advance film, turn crank clockwise until it stops.

2. Turn to desired aperture ("f-stop"); align to white dot. Intermediate apertures may be used between the "click" stops.

3. To open focusing hood, slide hood lock to right. To close, press down sides, then back, then the cover.

4. Magnifier rises when cover is pressed toward back. Press magnifier down into place before closing hood.



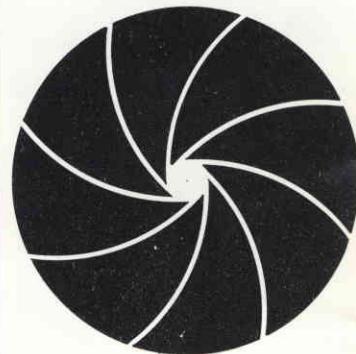
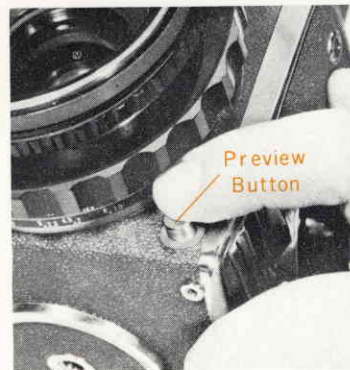
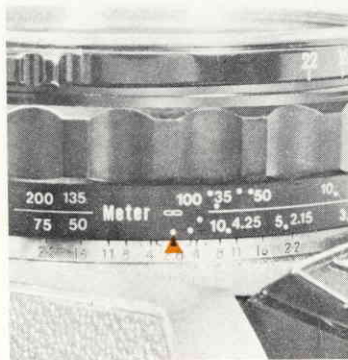
When winding the shutter, please be sure to keep turning the crank until it stops, even if you hear a sound half way. The sound means the shutter is wound, but the film is not advanced yet. Pressing the shutter button will result in a double exposure.

5. Focus by rotating helicoid while observing image on ground glass.

6. Focusing scales for standard 75mm lens and 200mm telephoto lens are shown in white and scales for 135mm telephoto and 50mm wide-angle are in red. The four red dots to right of infinity mark ( $\infty$ ) show the infinity points when using infra-red film.

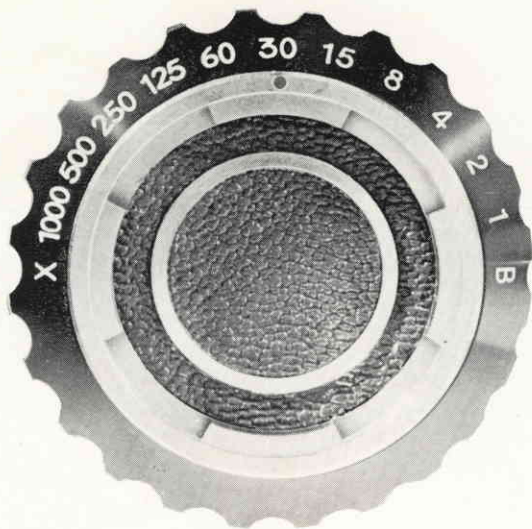
7. Depth-of-field scale for all lenses are also shown. Line between f8 and f4 represents f5.6.

8. When the preview button is depressed, the diaphragm is closed down to the preselected aperture. The depth-of-field can be visually checked. (Critical focusing and viewing are done with full aperture.)





## ■ SHUTTER

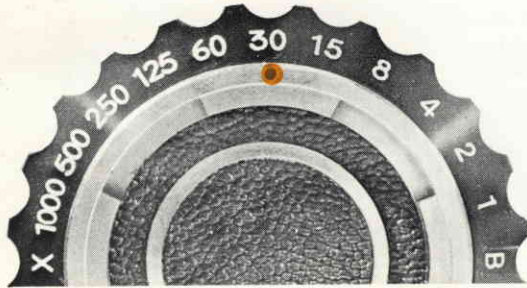


The vertical focal plane shutter has rubber-coated curtains. Speeds are set on a single non-rotating dial. Through a special stabilizing device, there is uniformly balanced exposure across the large film area even at high shutter speeds.

High quality miniature ball bearings are used. The shutter curtain travels across the 55m film gate in 15–16 milliseconds. The X setting for electronic flash (strobe) represents 1/40 second. Intermediate shutter speeds can be selected between the following speeds:

1-1/4    1/8–1/30    1/60–1/1000





### (1) SHUTTER SPEED DIAL :

"B" stands for "Bulb": press to open, release to close shutter. "1" is one second; "2" is  $\frac{1}{2}$  second; "1000" is  $\frac{1}{1000}$  second, etc.

"X" represents  $\frac{1}{40}$  second and is the fastest shutter speed with which electronic flash can be used. Any faster settings will result in partial non-exposure. (See "Flash," page 16)

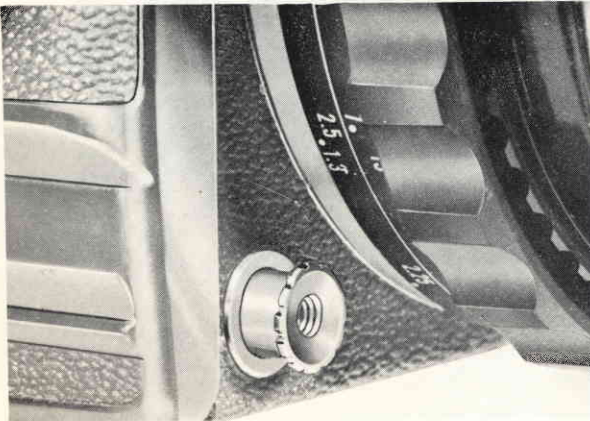
### (2) SELECTING THE SHUTTER SPEED :

The shutter dial turns either right or left.

The dial may be set for intermediate shutter speeds. Settings may be selected either before or after the shutter is wound.

### (3) COLOR CODES OF SHUTTER DIAL :

The red, white, green and yellow colors of shutter dial numbers are color codes for flash synchro photography. (See "Flash," page 16)



(4) When the dark slide is in the camera, the shutter will not work even if the shutter button is pressed. In this case, withdraw the dark slide. If the shutter does not now work, wind up the shutter once more and an exposure can be made without any loss of film.

## CABLE RELEASE :



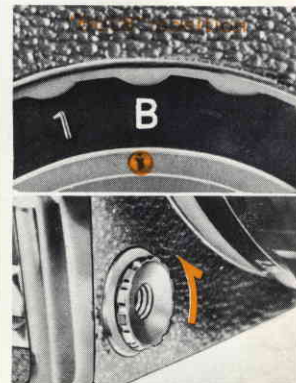
Having selected the shutter speed and diaphragm aperture, advance the film by turning the film winding knob clockwise to a firm stop. Focus the lens and you are now ready to make an exposure.

To avoid camera movement, it is desirable to use a cable release when a slow shutter speed is used. Cable release sockets are provided both on the body release button and below the depth-of-field preview button.

## TIME EXPOSURE DEVICE

When "T"(Time) exposure is desired, set the shutter speed dial at "B", depress the body release button and turn the tip of the button counter-clockwise to lock it in place. This will hold the shutter open.

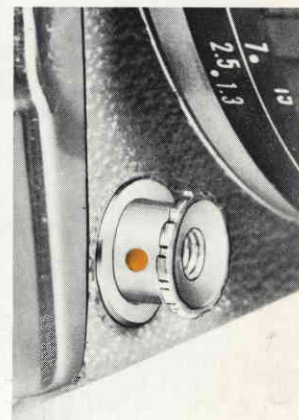
To close the shutter, turn the tip of the button clockwise.



## SAFETY LOCK :

The body release button has a safety lock. When the camera is carried with the shutter cocked, it is best to set the safety lock.

To set the safety lock, rotate the tip of the release button clockwise. When the red dot is in outside position, shutter is locked.



## ■ FLASH :

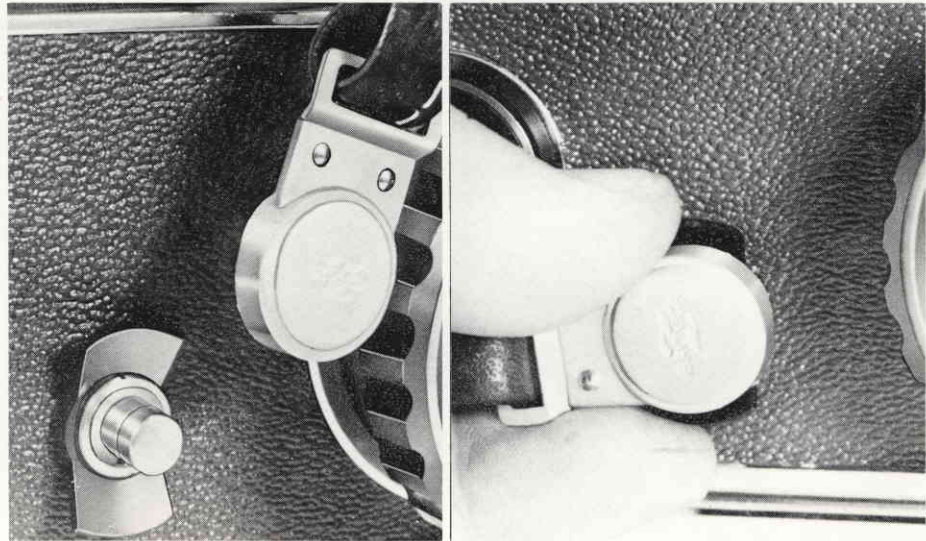
The Bronica flash terminal accepts a standard connecting cord. (German Type P.C.)

Shutter Speed	B.	1	2	4	8	15	30	60	125	250	500	1000	X
Flash Bulb													
F Bulb	[Orange bar]												
M Bulb	[Orange bar]												
X (Strobe)	[Orange bar]												(1/40) [Orange bar]
FP Bulb	[Orange bar]												
Shutter dial													
Color indication	red	green					white					yellow	

## ■ USING NECK STRAP :

The shoulder strap has coupling connectors at each end. Place these coupling connectors over the camera strap studs on each side of the camera and press in, then adjust strap length.

To remove, lift or raise the metal wings on camera strap stud and simultaneously lift off the coupling connector.





## EXPOSURE SETTING DEVICE:

The 120 roll film allows twelve  $6 \times 6$  ( $2\frac{1}{4} \times 2\frac{1}{4}$ ) exposures. Twentyfour exposures can be obtained on the 220 roll film.

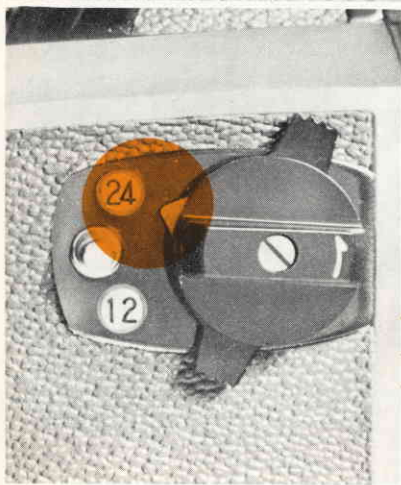
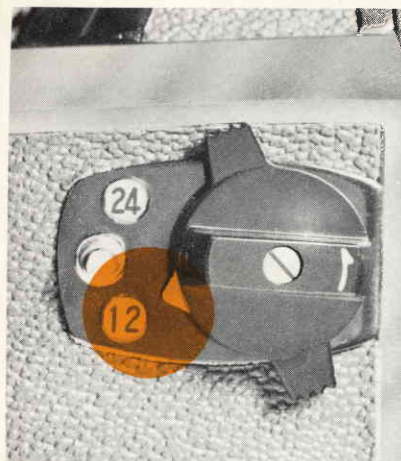
The upper left picture shows lever position when using 120 roll film. Keep pressing switch lever lock button and move lever until indicator arrow points to "12" mark. After the 12th exposure the film advance crank will wind remaining film continuously onto take-up-spool with no resistance.

The lower left picture shows lever position when using 220 roll film. Switch lever lock button should be also pressed to move lever until arrow points to "24" mark. In this way the film winding crank will stop at every number in exposure counter until 24 before becoming "free", allowing the remaining film to be wound up on roll.

(When Model-E is used on your Bronica S2, set the film setting device on "S". The film winding crank will stop at every number in the exposure counter until "32". When the pointer is set on "F" the film winding crank becomes free, allowing the remaining film to be wound continuously onto the take-up spool.)

**Model-S2** Switch lever may be moved to the 24 exposure position at any time if you have forgotten to do so before loading.

**Model-E** If at any time during a roll the pointer has accidentally been set on "F"; push the Free Wind Release button up and the pointer will return to "S".



## MAKING DOUBLE OR MULTIPLE EXPOSURES

Your **BRONICA** has a built-in protection against inadvertent double exposures. However there are times when deliberate double exposures may be desired.

- a. After making one exposure, insert the dark slide and remove the filminder back.
- b. Turn the winding crank until the shutter is wound. Replace the filminder back on the camera body and withdraw the dark slide. You can now make a second exposure. Turn the winding crank

## ■ INTERCHANGING LENSES



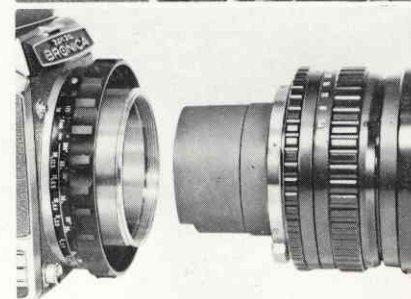
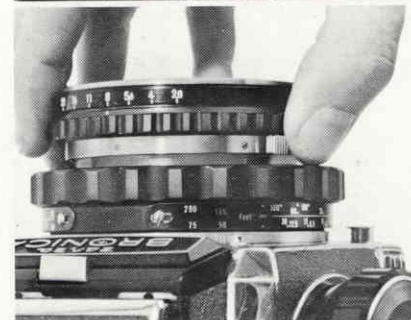
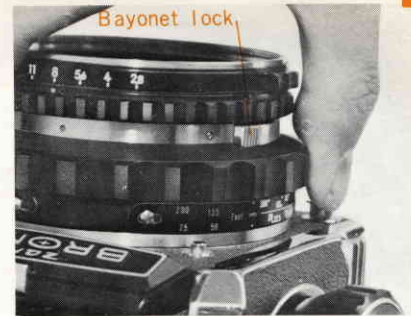
### To Remove Lens :

1. Extend lens by turning helicoid to closest focus position.
2. Press bayonet lock with thumb, and twist to left. (counterclockwise), Remove lens by pulling straight out.

### To Mount Lens :

1. Line up red dots on lens and mount. Insert gently to full stop. Twist to right (clockwise) until bayonet lock snaps closed.

The interchangeable lens system of the Zenza Bronica Model S2 can be used with earlier model bayonet type Bronica cameras, The screw thread (diameter 57 mm, pitch 1 mm) shown at lower right is new with Model S2 and permits extension tube sets and certain very long telephoto lenses to be mounted



Thread for Telenses and Extension tube set.



## ■ NIKKOR INTERCHANGEABLE LENSES

### ■ Nikkor 50mm F: 3.5

Lens construction:

6 groups; 6 elements

Minimum aperture: F: 22

Angle of view: 77°

Auto Diaphragm

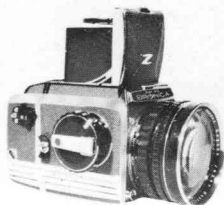
Closest Distance:

1.0 ft (33cm)

Filter size:

82mm screw type

Weight: 16.1oz. (460g)



### ■ Nikkor 75mm F: 2.8

Lens construction:

4 groups; 5 elements

Minimum aperture: F: 22

Angle of view: 55°

Auto Diaphragm

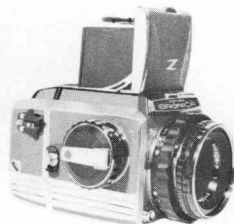
Closest Distance:

1.9 ft (60cm)

Filter size:

67mm screw type

Weight: 8.0oz (230g.)



### ■ Nikkor 135mm F: 3.5

Lens construction:

3 groups; 4 elements

Minimum aperture: F: 22

Angle of view: 33°

Auto Diaphragm

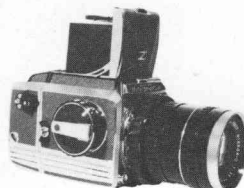
Closest Distance:

3.3 ft (1.6m)

Filter size:

67mm screw type

Weight: 14.3oz. (410g.)



### ■ Nikkor 200mm F: 4

(with hood and close-up lens)

Lens construction:

5 groups; 5 elements.

Minimum Aperture: F: 22

Angle of view: 21°

Auto Diaphragm

Closest Distance:

10.2 ft (2.8m)

Focussing range

with close-up lens:

5.4 ft ~ 9.6 ft (1.7m ~ 3m)

Filter size:

67mm screw type

Weight: 26.2oz. (750g.)



### ■ Nikkor 400mm F: 4.5

(with Hood and strp)

Lens construction:

4 groups; 4 elements.

Minimum Aperture: F: 22

Angle of view: 11°

Auto Diaphragm

Closest Distance: 5m

Filter size: 122mm screw type

Weight: 93.55oz. (3.3kg)

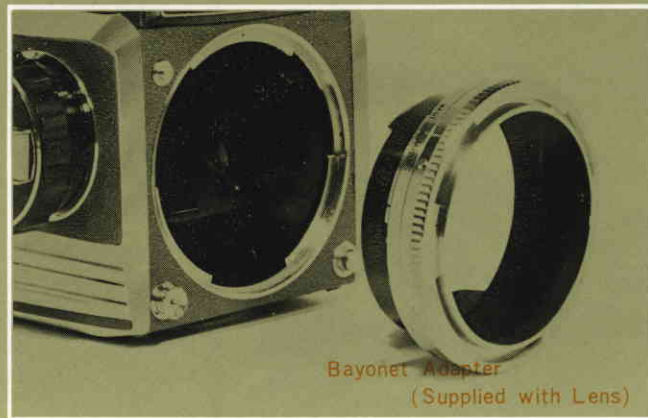
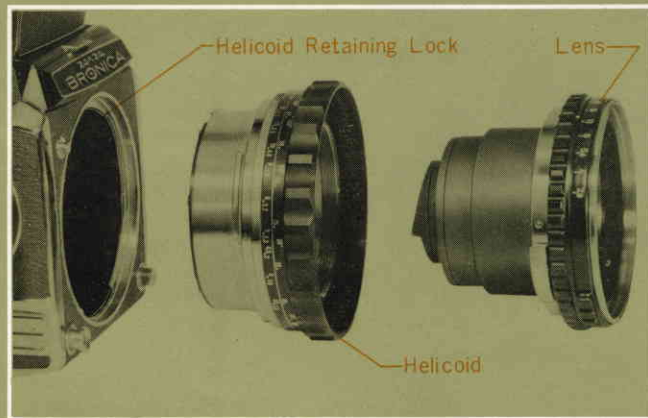


## ■ HELICOID LENS MOUNT

When using the bellows attachment for close-up photographs or Long focal length interchangeable lenses (400mm and over) fitted with helicoid focussing, remove the camera's helicoid mount and attach the bayonet adapter to the front of body mount as shown in lower right picture.

(1) Press the Helicoid retaining lock button and twist the helicoid lens mount to the left (counter-clockwise). Remove the Helicoid.

(2) To return the Helicoid, insert into body mount, lining up the red dots on Helicoid mount and body mount. Twist the Helicoid mount to right (clockwise) until Helicoid retaining lock snaps closed.



## ■ USING FOCUSING HOOD :

The focusing hood of the Zenza Bronica Model S2 can easily be removed and inserted. It is possible to use the prism finder for eye-level focusing or the outdoors magnifying hood which is adjustable for individual eyes.

(1) Press upward the focusing hood retaining lock on the front of camera body name plate and remove.

(2) When inserting the focusing hood, match the two tips on the back side of the focusing hood frame and the two holes on the back side of the focusing hood. Press down and lock the front side of the focusing hood.



Prism View finder Model A



Magnifying Hood

## CLOSE-UP PHOTOGRAPHS

With the Zenza Bronica Model-S2 75mm standard lens, you are able to approach up to 1.9ft (60cm) from the subject to the surface of the film with full extension of the Helicoid. The 50mm wide-angle lens goes to 1.0ft (33cm) the 135mm telephoto lens to 3.3ft (1.6m) and the 200mm telephoto lens to 10.2 ft (3.4m) (With the close-up lens on the 200mm, you can take photographs as close 5.4ft (1.7m)

If you wish to photograph the subject even closer, use the special Bronica extension ring set or bellows attachment.

## ■ SPECIAL EXTENSION RING SET FOR MODEL S2.

Insert the desired extension ring between the Helicoid and the lens.

(CA Ring)

The CA closeup ring has an aperture preview lever. Press this lever to open the aperture; when this lever is released, the aperture will close down.

(CB Ring)

For closer pictures, use an additional CB ring on top of the CA ring.

(CC & CD Rings)

The CD ring is twice as deep as the CC ring. See chart at right for various combinations.

## ■ BELLOWS ATTACHMENT MODEL S2.

If you wish to take a wide range of close-up photographs, rather than using the extension ring set, this attachment is most convenient. The Bronica bellows attachment model S2 is used with the bayonet adaptor on the camera body mount. When used at the shortest extension with the standard 75mm lens, the magnification of picture is 0.9 times. When used at the longest extension with 75mm standard lens, the magnification of picture is 2.9 times.

This attachment is equipped with the vertical and horizontal "Swing and Tilt" device.

■ CA Ring



Preview Lever

■ CB Ring



■ CC Ring



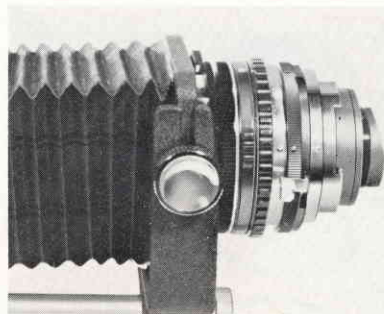
■ CD Ring

Lenses No. of Tube	Stroke inch (mm)	NIKKOR 50mm F 3.5		NIKKOR 75mm F 2.8		NIKKOR 135mm F 3.5		NIKKOR 200mm F 4	
		Magnification Rate	Exposure Multiple Rate	M. R.	E. M. R.	M. R.	E. M. R.	M. R.	E. M. R.
CA Ring	0.54~1.87 (14~48)	0.56	2.4	0.36	1.9	0.21	1.5	0.14	1.3
CA + CA	1.0~1.6 (28~42)	0.84	3.4	0.54	2.4	0.31	1.7	0.21	1.5
CA + CB + CC	1.6~2.1 (42~56)	1.12	4.5	0.72	3.0	0.41	2.0	0.28	1.6
CA + CB + CD	2.1~2.7 (56~70)	1.40	5.8	0.90	3.6	0.52	2.3	0.35	1.8
A + CB + CC + CD	2.7~3.7 (70~84)	1.68	7.2	1.08	4.3	0.62	2.6	0.42	2.1

★ Magnification Rate and Exposure Multiple Rate mentioned above shown in the Lenses closest position.



■ Lens Reversing Ring



For maximum closeups, it is preferable to reverse the lens, as above by means of lens reversing ring.

■ Shortest 60mm



■ Longest 214mm





## FILTERS:

Bronica filters are high grade filters having a special finish with superior surfaces.

The 50mm wide-angle lens requires 82mm screw-type filters. The other lenses (75mm ~ 200mm lenses) can be used with 67mm screw-type filters.

The 400mm lens requires 122mm screw-type filters.

FOR MONOCHROME	Color Number	Color	Exposure Magnification				Effect of Filters
			*B type panchromatic film		*C type panchromatic film		
			Daylight	Art. Light	Daylight	Art. Light	
SL-39	UV	Transparent	1	1	1	1	Absorbs ultra-violet rays which results in a clear image.
SY-44	Y1	Light Yellow	1.5	1.3	1.5	1.2	Gives a clear image of sky and background in natural contrast.
SY-48	Y2	Yellow	2.0	1.5	2.0	1.5	Shades down reds and yellows. Good contrast. For general use.
SO-56	YA3	Amber	4.0	3.0	4.0	2.0	Brings out cloud effect. Strong contrast.
SR-60	R1	Red	8.0	4.0	6.0	3.0	Gives greater contrast. For perfect infra-red photography with infra-red film.
G-55	PO0	Yellowish Green	2.5	2.0	4.0	3.0	Gives natural contrast with panchromatic film.

\*B type panchromatic films: Konipan S, SS, Neopan S, SS, Plus X, Double X and Veri-Chrome. \*C type panchromatic films: SSS class films and Tri-X.

FOR COLOR	Color	Conversion ratio for color temperature *Dekamired value	Exposure Magnification	Classification of color film	Effect of Filter
L-1A	Light Violet	0	1	Daylight type of Tungsten	Absorbs ultra-violet rays to prevent bluish appearance on background. Adjusts natural color balance. Used for lens protection.
O-85A	Orange	+1 2	2	Tungsten type	Conversion filter for tungsten type color film in daylight.
O-80A	Dark Blue	-1 2	2.5	Daylight type	Conversion filter for daylight type color film under artificial light.
B-82C	Blue	-4 0	1.5	Daylight type	Absorbs reddish color when photographs are taken before 9 A.M. or after 3 P.M. in daylight.
O-81B	Amber	+4 0	1.5	Daylight type	Absorbs bluish color when photographs are taken in cloudy or shadowy conditions.

\* (+) Reduction of color temperature; (-) Increase of color temperature



■ Nikkor 600mm F5.6  
 Lens construction  
 4 groups: 4 element  
 Minimum Aperture: 22  
 Angle of view: 7°  
 Auto Diaphragm  
 Closest Distance: 11m  
 Filter size: 122mm Screw  
 type  
 Weight: 3.8kg



▲ Prism View Finder Model A



▲ Magnifying Hood



▲ Copy stand



▲ Leathercase  
 for 200 mm lens  
 for 135 mm lens  
 for 50 mm lens



▲ Lens hood  
 for 50mm lens  
 for 75mm lens  
 for 135mm lens



▲ Hand Grip  
 Model T



▲ Hand Grip  
 Model L

## S2 SPECIFICATIONS

Type .....	2 $\frac{1}{4}$ " $\times$ 2 $\frac{1}{4}$ " ( 6cm $\times$ 6cm) Single lens reflex camera.
Film .....	120 roll film, 12 exposures and 220 roll film, 24 exposures.
Interchanging Films .....	Interchangeable film back fully coupled with camera body, dark slide with safety lock system, built-in leak prevention curtain.
Standard lens .....	Nikkor 75mm F2.8 fully automatic preset diaphragm, 4 group 5 element.
Lens mount .....	Bayonet type ( BRONICA mount), also equipped with screw mount ( 57mm $\times$ 1mm pitch), Large bayonet mount for long telephoto lenses.
Finder .....	Fresnel lens and large magnifier.
Viewfinder Hood .....	Interchangeable with pentaprism finder or magnifying hood.
Focusing .....	Helicoid type, stroke 14mm, rotating angle of focussing ring 250°
Distance Scale .....	For 75mm, 50mm, 135mm and 200mm lenses.
Mirror .....	Flip down, instant return, automatic mirror system.
Diaphragm .....	Fully automatic diaphragm - 75mm, 50mm, 135mm 200mm and 400mm lens.
Depth-of-Field .....	Depth-of-field can be checked by pressing preview button.
Shutter .....	Vertically operating focal plane shutter, non-rotating single shutter dial, B, 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/500, 1/1000, and "X" ( 1/40), "T" ( Time) shutter release lock device. Intermediate shutter speeds.
Synchro .....	Automatic switch-over synchronization system.
Film Loading .....	Separate film holder, automatic film winding system by matching with film start mark.
Film Winding .....	Winding crank or knob,.
Film Counter .....	Automatically returns to "O".
Camera Body .....	Made of 18-8 Stainless Steel, bright polished finish.
Demensions .....	100 mm $\times$ 100 mm $\times$ 140 mm.
Neight .....	1,780g

## S2 SPECIFICATIONS

Type	2 $\frac{1}{4}$ " $\times$ 2 $\frac{1}{4}$ " (6cm $\times$ 6cm) Single lens reflex camera.
Film	120 roll film, 12 exposures and 220 roll film, 24 exposures.
Interchanging Film	Interchangeable film back fully coupled with camera body, dark slide with safety lock system, built-in leak prevention curtain.
Shutter	Nikkor 75mm F2.8 fully automatic preset diaphragm, 4 group 5 element.
Lens mount	Bayonet type (BRONICA mount), also equipped with screw mount (57mm $\times$ 1mm pitch), Large bayonet mount for long telephoto lenses.
Finder	Fresnel lens and large magnifier.
Viewfinder Hood	Interchangeable with pentaprism finder or magnifying hood.
Focusing	Helicoid type, stroke 14mm, rotating angle of focussing ring 250°
Distance Scale	For 75mm, 50mm, 135mm and 200mm lenses.
Mirror	Flip down, instant return, automatic mirror system.
Diaphragm	Fully automatic diaphragm - 75mm, 50mm, 135mm 200mm and 400mm lens.
Depth-of-Field	Depth-of-field can be checked by pressing preview button.
Shutter	Vertically operating focal plane shutter, non-rotating single shutter dial, B, 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/500, 1/1000, and "X" (1/40), "T" (Time) shutter release lock device. Intermediate shutter speeds.
Synch	Automatic switch-over synchronization system.
Film Loading	Separate film holder, automatic film winding system by matching with film start mark.
Film Winding	Winding crank or knob,.
Film Counter	Automatically returns to "O".
Camera Body	Made of 18-8 Stainless Steel, bright polished finish.
Dimensions	100mm $\times$ 100mm $\times$ 140mm.
Weight	1,780g



**2¼ × 2¼ - Square Single-lens Reflex Camera**

# Zenza BRONICA

Model **C**

## SPECIAL FEATURES OF THE ZENZA BRONICA MODEL C CAMERA

The Zenza BRONICA Model C Camera is a sister to the S type, which is the supreme Single lens reflex Camera of 6×6 size.

This camera has the efficiency of the S type, and is mechanically improved. The shutter sound and mirror shock are reduced as the result of experience with the S type, and constant research over a long period.



## SPECIFICATIONS (MODEL C)

Type .....	2¼"×2¼" (6cm×6cm) Single lens reflex camera.
Film .....	120 roll film, 12 exposures; 220 roll film, 24 exposures.
Standard lens .....	Nikkor 75mm F2.8 fully automatic preset diaphragm; 4 groups, 5 elements.
Lens mount .....	Bayonet type (BRONICA mount), equipped with screw mount (57mm×1mm pitch), Large Bayonet mount for long telephoto lenses.
Finder .....	Fresnel lens and large magnifier
Viewfinder Hood .....	Interchangeable with prism view finder or magnifying Hood
Focusing .....	Helicoid type, stroke 14mm, rotating angle of focusing ring 250°
Distance Scale .....	For 75mm, 50mm, 135mm and 200mm lenses.
Mirror .....	Slip down, instant return, automatic mirror system.
Diaphragm .....	Fully automatic diaphragm 75mm, 50mm, 135mm, 200mm and 400mm lenses.
Depth-of-Field .....	Depth-of-field can be checked by pressing preview button.
Shutter .....	Vertically operating focal plane shutter, non-rotating single shutter dial, B, 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500 and "X" (1/40), Shutter release lock device intermediate shutter speeds.
Synchro .....	Automatic switch-over synchronization system
Film Loading .....	Separate film holder, automatic film winding system by matching with film start mark.
Film Winding .....	Winding crank or knob
Multiple Exposure .....	By turning Multiple Exposure Knob
Film Counter .....	Automatically returns to "0"
Camera Body .....	Made of 18-8 Stainless Steel, bright polished finish
Dimensions .....	100mm×100mm×140mm.

ZENZA BRONICA INDUSTRIES, INC.

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