

how to use your

*Ansc***o** *SPEEDEX*

SPECIAL "R"



*your AnSCO Speedex takes 12
pictures this size (2¼x2¼")
on a roll of 120 film*

your ansco

SPEEDEX

SPECIAL "R"

Your Ansco Speedex Special "R" combines all the fine features of our other well-known Speedex cameras with the added advantage of a combined rangefinder-viewfinder.

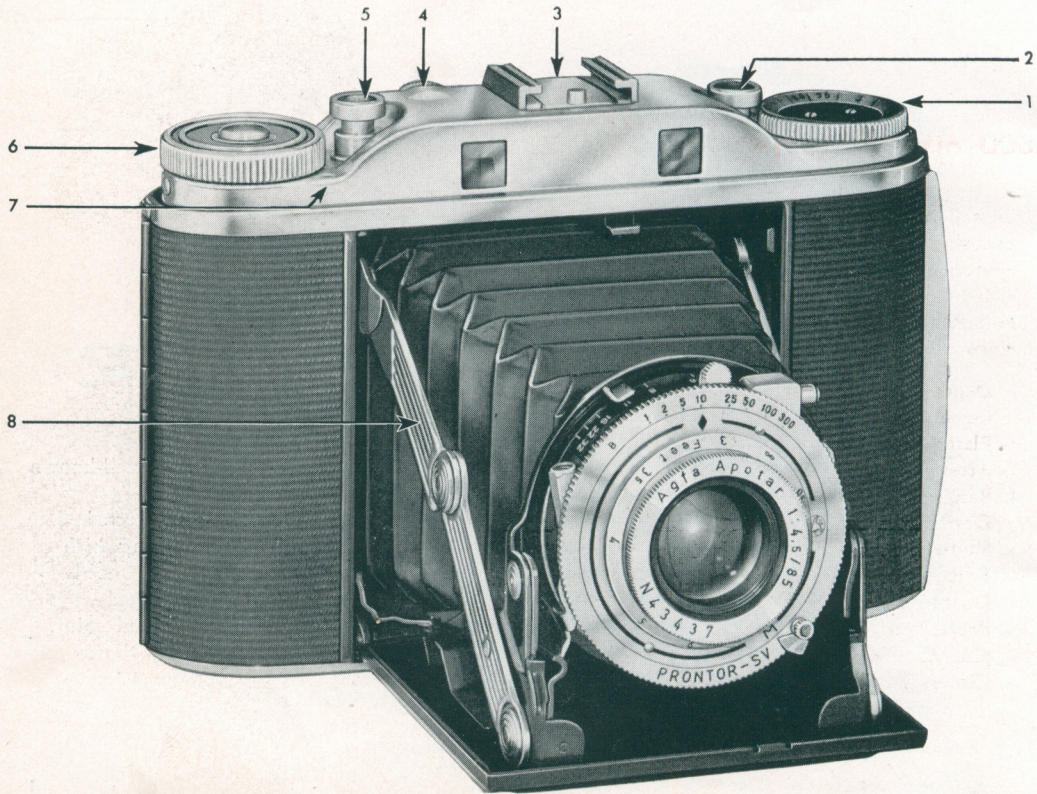
It has an f4.5 Agfa* Apotar anastigmat lens which is hard coated and color corrected for higher light transmission. The Prontor-SV shutter has full range synchronization which permits the use of all types of flash lamps and high speed electronic flash units at all speeds.

This high quality lens and shutter unit, with the added advantage of the combined rangefinder-viewfinder, helps you get sharp, clear pictures in both black-and-white and color.

As you read over these instructions, try all the working parts of the camera and thoroughly familiarize yourself with its operation. Then you will be ready to load your camera and start taking pictures.

*Agfa and  are registered trademarks of Ansco Division

of General Aniline and Film Corp. of Binghamton, N. Y.



Ansco speedex special "R"

Lens Openings—f4.5, 5.6, 8, 11, 16, 22, 32

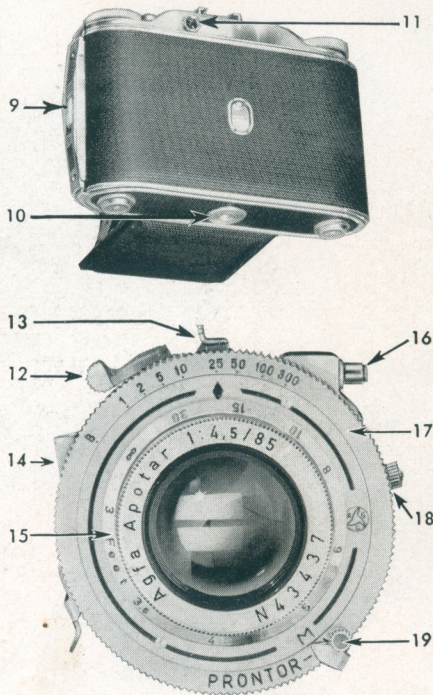
Focusing Distances—3' to ∞ (infinity)

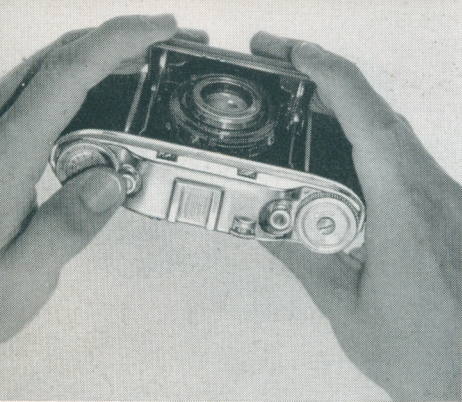
Shutter Speeds—B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/300

Full Range Flash Synchronization

Uncoupled Rangefinder

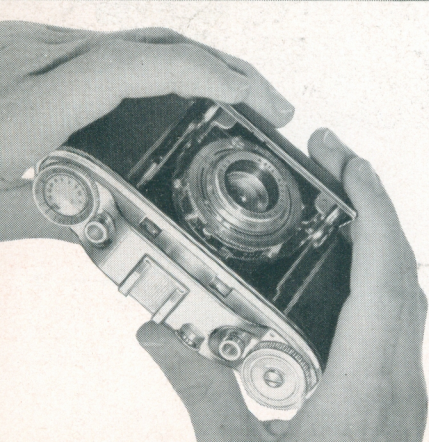
- | | |
|---|---------------------------------|
| 1. Depth of Field Calculator | 10. Tripod Screw Socket |
| 2. Platform Release Button | 11. Rangefinder-Viewfinder |
| 3. Accessory Clip | 12. Shutter Cocking Lever |
| 4. Rangefinder Focusing Device | 13. Diaphragm Setting Lever. |
| 5. Shutter Release Button | 14. Cable Release Socket |
| 6. Film Winding Knob | 15. Focusing Ring |
| 7. Double Exposure Prevention Indicator | 16. Flash Contact |
| 8. Side Arm Bracket | 17. Shutter Setting Ring |
| 9. Camera Back Latch | 18. Shutter Synchronizing Lever |
| | 19. Shutter Delay Lever |





to open the camera

Hold the camera firmly and press the platform release button as shown in upper left. The bellows and lens will spring forward and the platform will lock into position. Be sure the platform is secured by pressing downward on both sides of the platform.



to close the camera

Press down on the two side arm braces and press the platform up until it is completely closed and "clicks" into position.

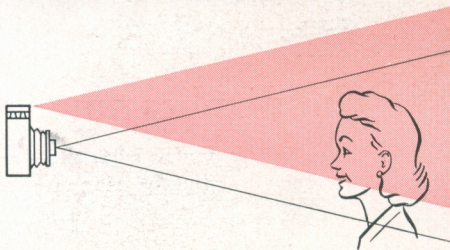
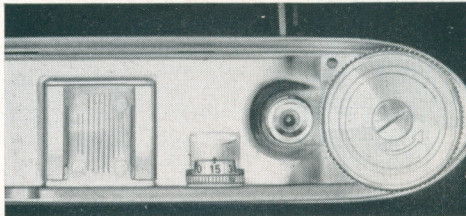
Never force the camera at any time.

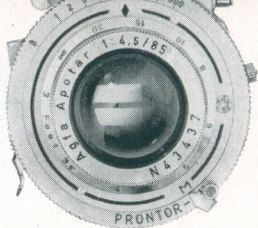
the rangefinder-viewfinder

The Speedex Special "R" camera is equipped with an uncoupled rangefinder-viewfinder. By holding the camera to the eye, the area that will appear in the picture can be seen. In the center of the field of view appears a bright circle of light. The object on which you are focusing should be centered in this bright circle. A double image will appear if the subject is out of focus. Focus on your subject by turning the milled indicator ring with your index finger until the two images coincide and just one image of the subject remains in the circle of light.

When the focus has been achieved, set the focusing scale on the front of the camera at the distance shown on the indicator. Your pictures will be in sharp focus.

When taking pictures closer than eight feet, the camera should be aimed slightly above the subject to compensate for the slight difference in view between the lens and the viewfinder.





focusing

The focusing scale will be found on the focusing ring of the lens barrel and can be identified by a series of figures ranging from 3' to ∞ (infinity). These figures refer to the distance in feet from the camera to the subject at which the lens is focused. For example, if the range-finder indicator shows the object to be 8' from the camera, turn the focusing ring until the figure 8 is opposite the index mark.

zone focusing

To use as a fixed-focus non-adjustable camera, set the focusing scale at 10' or 30' (numbers in red), the lens diaphragm at the orange dot on the scale and the shutter at 1/50 of a second. With the camera set at 10', everything from 8' to 15' will be in focus. At 30' everything from 16' to ∞ (infinity) will be in focus. Sharper pictures will result, of course, if the lens is focused at the exact distance from the camera to the subject.

the diaphragm

The diaphragm is an adjustable opening between the components of the lens which controls the amount of light passing through the lens. The diaphragm is operated by a lever on the top

of the lens mount. To observe the action of the diaphragm, turn the shutter setting ring to B, cock the shutter, hold down the shutter release button and move the diaphragm lever back and forth. You will notice that the smaller the number, the larger the lens opening (i.e., f4.5 is the largest lens opening, f32 the smallest).

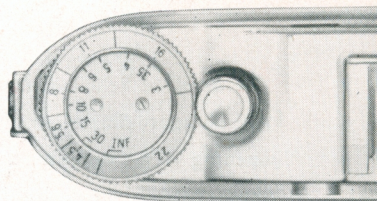
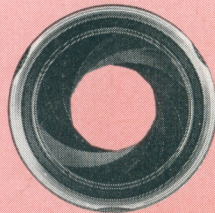
depth of field

Depth of field is the range of distance in front of the camera that is in sharp focus. Greater depth of field will result when smaller diaphragm openings are used. For example, with the camera focused at infinity (∞) and the diaphragm set at f4.5, everything from 65 feet to infinity will be sharp and in focus. When the camera is focused at infinity and the diaphragm set at f16, everything from 21 feet to infinity will be in focus.

Smaller lens
opening—
larger
number



Larger lens
opening—
smaller
number





The depth of field indicator on the top of the camera can also be used to find an approximate indication of the depth of field. The selected lens opening is set opposite the subject distance and the zone of acceptably sharp focus is shown by lines on either side of the f number.

*Focus
Setting*

Inf.

30

15

10

8

6

5

4

3.5

3

DEPTH OF FIELD TABLE - ANSCO SPEEDEX SPECIAL "R"

4.5	5.6	8	11	16	22	32
65'-Inf.	52'-Inf.	37'-Inf.	27'-Inf.	21'-Inf.	13'4"-Inf.	9'2"-Inf.
20'4"-56'	19'2"-70'	16'10"-150'	14'2"-Inf.	12'4"-Inf.	9'4"-Inf.	7'-Inf.
12'3"-19'5"	11'8"-21'	10'9"-26'	9'7"-33'	8'9"-53'	7'1"-Inf.	5'10"-Inf.
8'8"-11'10"	8'5"-12'5"	7'11"-13'10"	7'3"-16'3"	6'9"-19'5"	5'9"-40'	4'9"-Inf.
7'2"-9'1"	6'11"-9'5"	6'7"-10'3"	6'2"-11'4"	5'9"-13'	5'-20'	4'4"-66'
5'6"-6'8"	5'5"-6'9"	5'2"-7'3"	4'11"-7'9"	4'8"-8'6"	4'2"-11'2"	3'8"-17'4"
4'8"-5'5"	4'7"-5'6"	4'5"-5'10"	4'3"-6'2"	4'1"-6'8"	3'8"-8'	3'4"-11'3"
3'9"-4'3"	3'8"-4'4"	3'7"-4'6"	3'6"-4'9"	3'4"-5'	3'1"-5'8"	2'9"-7'4"
3'4"-3'8"	3'3"-3'9"	3'3"-3'10"	3'1"-4'	3'-4'2"	2'10"-4'9"	2'6"-5'6"
2'10"-3'2"	2'10"-3'2"	2'9"-3'3"	2'8"-3'5"	2'8"-3'6"	2'6"-3'10"	2'3"-4'6"



the shutter

The shutter of a camera is the device that determines the length of the exposure when a picture is taken. Simply expressed, the shutter opens briefly allowing the light from the object to be photographed to pass through the lens and project an image on the film.

The shutter can be set at mechanically regulated speeds from 1 second to 1/300th of a second. Longer exposures can be made through the use of time exposures. When making an exposure of longer than 1/25th of a second duration, a tripod or other firm support must be used.

The shutter of the Speedex is regulated by setting the shutter setting ring at the desired speed.

The shutter *must be cocked* before each exposure is made. To cock, move the cocking lever counterclockwise until it locks. **DO NOT TOUCH THE COCKING LEVER ONCE THE SHUTTER IS SET.** The shutter can *only* be tripped by pressing the shutter release button or using a cable release.

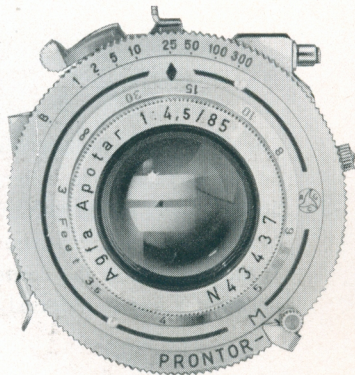
In order to avoid moving the camera when taking a picture, hold the camera firmly and depress the shutter release button with a steady, slow motion.

time exposures

Time exposures are made by turning the exposure setting ring to B. The shutter is then cocked and released. The shutter will remain open for the exposure as long as the shutter release is depressed.

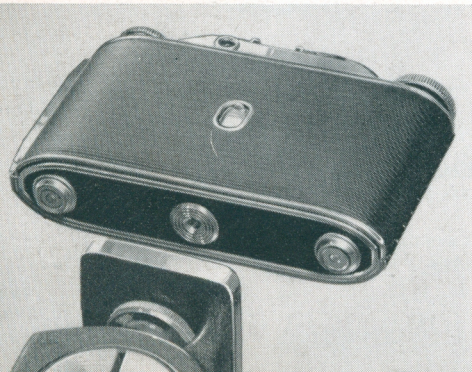
self-timing device

The self-timing device has a delay of about seven seconds to allow you to get into the picture. To operate this feature, set the shutter synchronization adjustment at the "X" setting (orange dot) then move the shutter delay lever to the gold dot position. The shutter is then cocked and released in the usual manner. The self-timing mechanism will work on all exposures of 1 second to 1/300th but will not operate on time exposures.



double exposure prevention mechanism

The double exposure prevention mechanism eliminates the chance of making two exposures on one picture frame. After making the exposure, the shutter cannot be released until the film is wound to the next number. A red dot appears in the window of the prevention indicator after the exposure has been made. As the film is wound, a click may be heard as the device frees the shutter and removes the red dot. If a double exposure is desired, the shutter may be released by pressing the shutter arm on the lens mount.



the tripod socket

The tripod socket is used for attaching the camera to a tripod, the Ansco Flash Unit to the camera, or securing the camera case to the camera.

there is an
AnSCO Film
for every picture



Plenachrome—the All-Weather Film.

A fast, orthochromatic film for brilliant outdoor pictures in any weather. Available in single rolls and 3-Roll Economy Pak.

Supreme—A fast, fine-grain panchromatic film for indoor or outdoor photography under natural or artificial light.

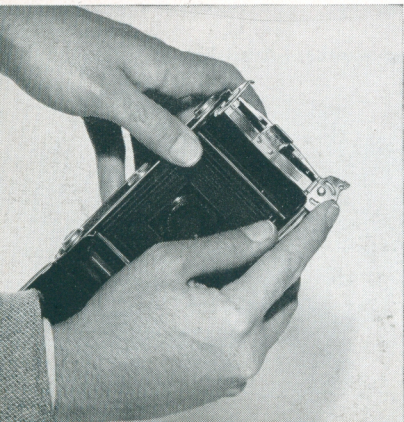
Superpan Press—A high-speed panchromatic film excellent for all types of black-and-white photography, but especially designed for use under adverse light conditions.



to load the camera

Always load and unload in subdued light.

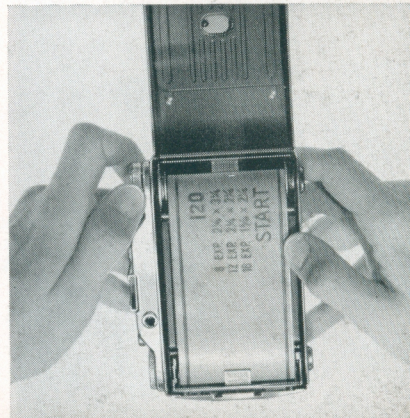
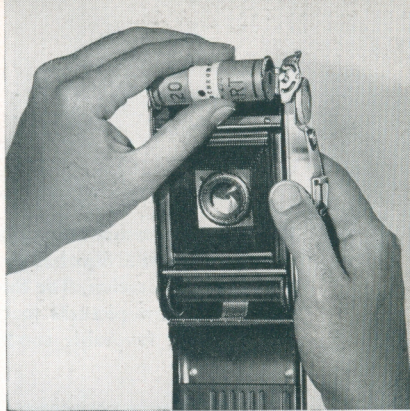
To load the camera, first open the back of the camera by moving the camera latch in the direction of the arrow. The hinged back will then open with ease.



To load the film into the camera, first pull out the spool carrier. Place the spool on the stationary pin of the spool carrier and then close the hinged side so that it engages the hole in the opposite end of the spool. Now return the spool carrier to its normal position.

Break the seal, remove the Ansco Guarantee bond and pull the colored paper backing across the back, being sure that the black side of the paper faces the lens. Draw the end of the paper over the top of the two metal rollers (never attempt to thread the film under these rollers). Thread the pointed end of the paper into the slot of the empty take-up spool.

Be sure to center the paper on the take-up spool so that it will wind evenly. Now give the winding knob one or two turns to bind the paper and give it a firm grip on the upper spool. Close the back of the camera by swinging it back into place until a "click" indicates that it is locked securely. Do not open back of camera again until film has been completely wound on take-up spool. Move the small slide cover on the camera back to uncover the film winding window. Turn the winding knob until the number 1 appears in the red window (you will see a pointing hand and four dots just before the number 1 appears).



outdoor exposures

The proper exposure for any given picture varies considerably according to the light conditions and speed of the film being used. Light conditions vary with seasons, time of day and even geographical location. The Speedex camera is equipped with a sufficiently versatile lens and shutter to allow pictures to be made under almost any type of lighting condition. Average exposures for favorable conditions outdoors are given in the table below:



EXPOSURE TABLE • PLENACHROME OR SUPREME FILM

Light Conditions	f/4.5	f/5.6	f/8	f/11	f/16
Bright Sunlight	—	—	300	100	50
Hazy Sunlight	—	300	100	50	25
Bright Overcast	1/300	100	50	25	—
Dull Overcast	1/100	50	25	—	—

For Superpan Press use the next smaller opening (next larger number)

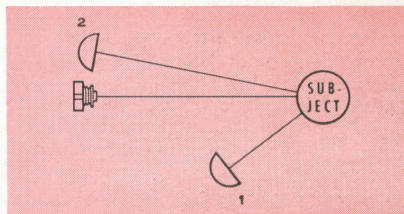
For brilliantly lighted subjects use next smaller lens opening than indicated; for close ups and pictures in the shade open lens one or two lens openings.

floodlamp exposures

For pictures at night or indoors, floodlamps are usually used to provide the necessary light. A tripod or similar firm support must be used for exposures of longer than 1/25 of a second to prevent movement of the camera. It is also desirable to use a cable release for these exposures since it helps to prevent camera movement as the shutter is tripped. The cable release screws into the socket at the right side of the lens mounting.

FLOOD EXPOSURE TABLE • SUPERPAN PRESS

	Distance from Lamp to Subject in Feet with Two No. 2 Lamps		
Lamp No. 1	3	5	6
Lamp No. 2	5	7	9
Shutter Speed			
1/25	f16	f11	f8
1/50	f11	f8	f5.6
1/300	f5.6	f4.5	—



The recommended light sources are two No. 2 floodlamps in good quality reflectors or two No. 2 reflector floodlamps with built-in reflectors. Lights should be placed according to the diagram: Main light source (No. 1) should be directed downward at 45°. Fill-in lamp (No. 2) should be close to the camera. Values are based on light colored walls or surroundings. Darker colors require an increase of one or two lens stops.

flashlamp exposures

The Speedex Special "R" has full range flash synchronization, allowing the use of high speed electronic flash and all types of flashlamps at all shutter speeds. The Ansco Flash Unit is recommended for excellent results. To use high speed electronic flash, set the synchronizing lever at the "X" (orange dot) setting.

To use with all flashlamps, the shutter synchronizing adjustment on the upper left sector of the shutter housing should be set at M (yellow dot). When using "M" type lamps (G.E. 5, 11, 22, Sylvania 25, 40 and 2, etc.) move the shutter delay lever (on lower front edge of shutter) to the gold dot. When using "F" type lamps (G.E. SM and Sylvania SF) leave the shutter delay lever at M.

The self-timer can be used for flash pictures by using SM or SF lamps at the X setting and shutter speeds of 1/100th or lower. With a shutter speed of 1/25th, #5 lamps can be used.

using the guide numbers

To find the exposure, divide the guide number by the distance from the flashlamp to the subject; the resulting figure will represent the lens opening required. Example: The guide number for a number 5 lamp with Supreme Film at 1/50th is 120. The subject is 15 feet away, therefore, $120 \div 15 = 8$, use f8. More complete guide number information will be found on the instruction sheet packed with your Ansco Film.

<i>Lamp</i>
5, 25
11, 40
2, 22
SM, SF

FLASH EXPOSURE TABLE

<i>Shutter Speed</i>	<i>Supreme</i>	<i>Superpan Press</i>
B to 1/50	120	190
1/100	95	150
1/300	60	100
B to 1/50	170	270
1/100	130	210
1/300	85	140
B to 1/50	200	320
1/100	155	250
1/300	105	165
B to 1/100	63	100
1/300	45	70



color photography

Color photography with Ansco Color Film is as simple as black-and-white photography and the results are natural-color transparencies that capture true colors as you see them. Ansco Color Film is available in Daylight or Tungsten Type for daylight and artificial illumination. Ansco Color transparencies may be viewed by projection and full color contact prints or enlargements can be made on Ansco Color Printon.

DAYLIGHT EXPOSURE TABLE • (DAYLIGHT TYPE FILM)

	<i>Bright Sunlight, Front Lighted</i>	<i>Bright Sunlight, Side Lighted</i>	<i>Bright Sunlight, Back Lighted</i>	<i>Hazy Sunlight, Soft Shadows</i>	<i>Bright Overcast, No Shadows</i>
1/100 sec.	f/4.5	—	—	—	—
1/50 sec.	f/6.3	f/5.6	f/4.5	f/4.5	—
1/25 sec.	f/9	f/8	f/6.3	f/6.3	f/4.5

FLOOD EXPOSURE TABLE • TUNGSTEN TYPE FILM

TWO #2 PHOTOFLOOD (3400K) LAMPS (IN EFFICIENT REFLECTORS)
For Average Colored Subjects in Light-Colored Rooms

Main Light		4'	6'	8'	12'
Fill-in Light		6'	8½'	12'	18'
Shutter	1	16	12.5	9	6.3
Speed	1/5	8	5.6	4.5	—

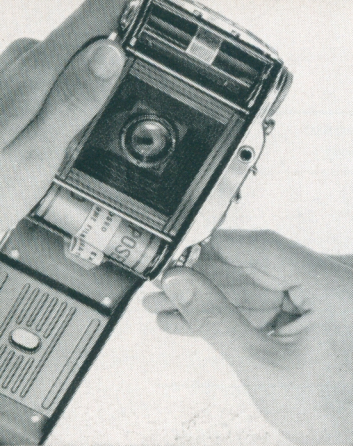
Use same lighting arrangements as for black and white photography.

FLASH EXPOSURE TABLE

<i>Bulb</i>	DAYLIGHT		<i>Bulb</i>	TUNGSTEN	
	<i>Shutter Speed</i>	<i>Guide No.</i>		<i>Shutter Speed</i>	<i>Guide No.</i>
5B, 25B	B-1/50	45	5, 25*	1/50	75
	1/100	35		1/100	60
	1/300	25		1/300	40
2B, 22B	B-1/50	75	2, 22*	B-1/50	125
	1/100	60		1/100	100
	1/300	40		1/300	65

**Use with a UV16 Filter*

See information on flash exposure and guide numbers under "Flashlamp Exposures."



to unload the film

When the last picture has been taken, wind the film until you can no longer see the paper through the red window. Then open the back of the camera. To remove the exposed roll, pull out the film winding knob and the film will be released.

Fold the pointed end of the colored paper under and seal the spool with the "exposed" sticker.

Be sure to remove the empty spool from the supply spool holder and place it in the take-up chamber so that it will be ready for the next roll of film.

filters

AnSCO has available several types of high quality optical glass filters mounted in spun aluminum. In addition to filters for black-and-white photography, there are the UV15, UV16

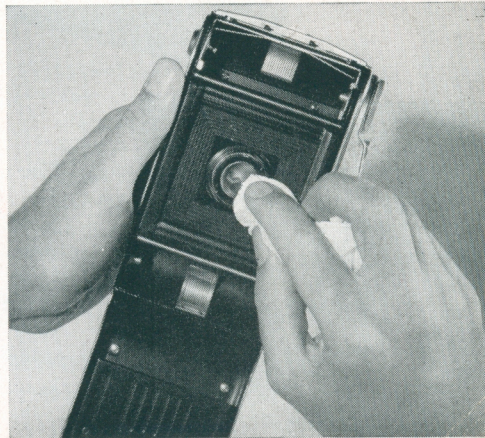
and UV17 Ultraviolet absorption filters and the #10 and #11 Conversion filters for color photography.

Ask your Ansco dealer for Series 5 Ansco filters.

camera care

Your new Speedex Special "R," like a fine watch, is a precision instrument and should be treated with care. Do not allow it to lie in the sun for extended periods of time. Do not leave it in the glove compartment of your car.

The front and rear elements of your Speedex lens can be carefully cleaned when necessary with a soft lens tissue or fine linen handkerchief. If small particles of dust or dirt accumulate inside your Speedex, blow them out carefully. Protect your camera from sand, snow and rain.

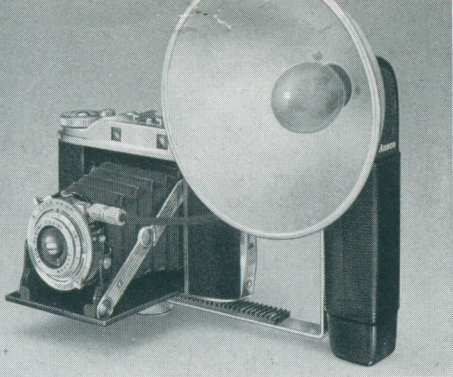




the speedex eveready carrying case

The use of a carrying case will help to protect your AnSCO Speedex Special "R" from hard knocks, dust, rain and dampness. With the Speedex Eveready Case, your camera is ready for instant use; just unsnap the button and the front cover falls away. Inside the cover of your camera case is a convenient compartment for carrying lens filters. Ask your AnSCO dealer for the AnSCO Speedex Eveready Case JN451—it is genuine top-grain cowhide.





the anso flash unit

Check these features:

- ✓ For use with flash cameras with either 3mm continental or ASA type connectors
- ✓ Takes two Size C batteries or battery capacitor cartridge
- ✓ Battery case outlet accepts standard household extension cords for multiple flash lighting
- ✓ Flashlamp ejector

Anso GUARANTEE

This camera is manufactured from the finest quality materials and has been produced by highly skilled craftsmen. It is guaranteed by Anso for a period of 12 months from date of purchase against defects due to workmanship or materials used in manufacture. Should anything go wrong, do not try to repair it yourself. Take it to your photographic dealer, or if not convenient, send it to Camera Repair Service, Anso, Emma Street, Binghamton, N. Y.

how to use your ansco speedex

Ansco

BINGHAMTON, NEW YORK