

how to use your

AnSCO **SPEEDEX 4.5**

Special



your Anscoc Speedex takes 12 pictures this size (2 1/4 x 2 1/4) on a roll of 120 film

your ansco

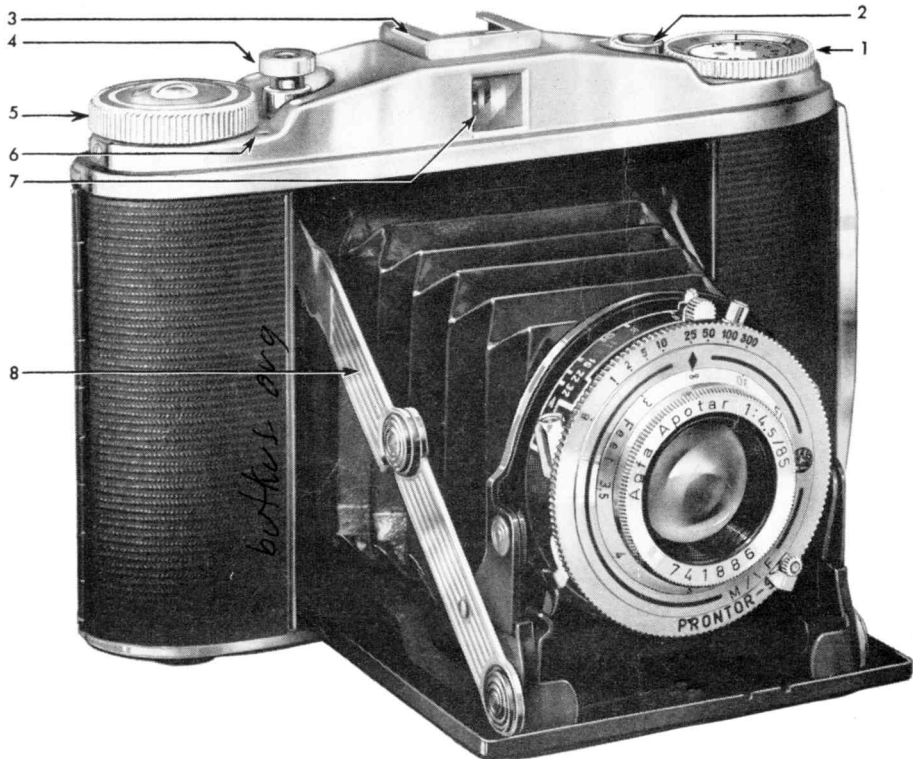
SPEEDEX 4.5

Special

Your Ansco Speedex is a scientifically designed and finely built camera that will give years of satisfactory service with a minimum of effort.

The Ansco Speedex f/4.5 Special has an Agfa Apotar Anastigmatic lens in a Prontor-S shutter equipped with full range flash synchronization and many other features. The lens is hard coated for higher light transmission and color corrected. This high quality lens and shutter unit insures accurate exposures and crisp, sharp pictures in both black-and-white and color photography.

Before loading your Ansco Speedex, read over these instructions and try working the operating parts of the camera until you have become thoroughly familiar with them.



ansco

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speedex f4.5 special • Prontor-S

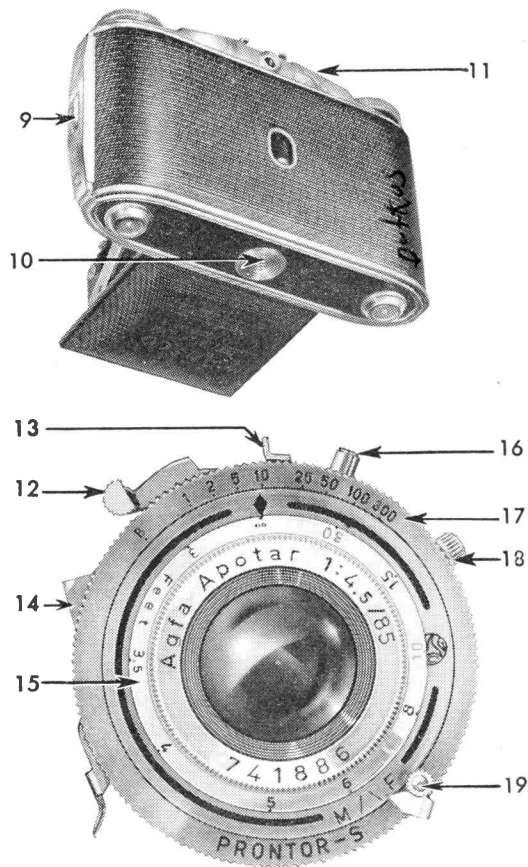
Lens Openings—4.5, 5.6, 8, 11, 16, 22, 32

Focusing Distance—3' to ∞ (infinity)

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

Full Range Flash Synchronization

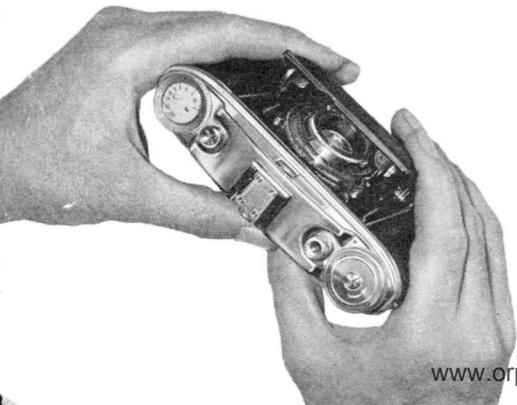
- | | |
|---|---------------------------------|
| 1. Depth of Field Calculator | 9. Camera Back Latch |
| 2. Platform Release Button | 10. Tripod Screw Socket |
| 3. Accessory Clip | 11. Time Setting Lever |
| 4. Shutter Release Button | 12. Shutter Cocking Lever |
| 5. Film Winding Knob | 13. Diaphragm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





to open the camera


To open the camera, hold firmly as shown in upper left. Press the platform release button. The bellows and lens will spring forward and the platform lock into position. Should the platform fail to lock, push downward on both sides of the platform until it locks in place.



to close the camera

Press down on the two side arm braces and press the platform up until it is completely closed and the “click” of the platform latch is heard. Repeat opening and closing camera until these operations can be performed deftly and easily.

Never force the camera at any time.



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I have no connection with any camera company

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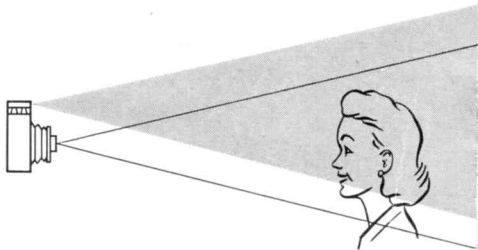
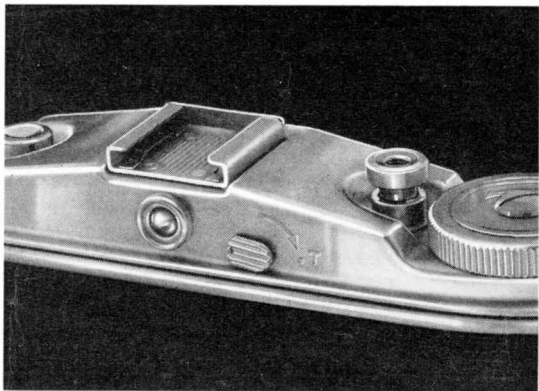
This will allow me to continue to buy new manuals and pay their shipping costs.

It'll make you feel better, won't it?

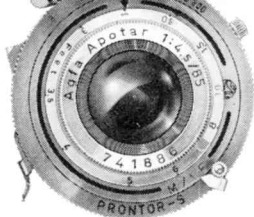
**If you use Pay Pal or wish to use your credit card,
click on the secure site on my main page.**

the optical view finder

The Speedex f/4.5 Special camera is equipped with an optical type view finder. By holding the camera to the eye the area that will appear in the picture can be seen. The eye level view finder is advantageous since it gives an image in the same perspective as when the subject is normally viewed. When taking pictures closer than 8' one should aim the camera slightly higher to include a little more area above the subject than is desired in the picture. This is done to overcome a slight difference in view caused by the difference in location of the view finder and the lens.

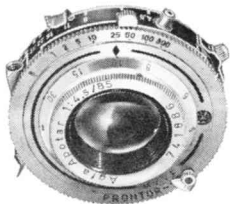


focusing



The focusing scale will be found on the focusing ring of the lens barrel and can be identified by a series of figures running from 3' to ∞ (infinity). The numbers in this series refer to the distance in feet from camera to the subject at which the lens is focused. For example: If the object to be photographed is 15' away, revolve the focusing ring until the number 15 is opposite the index mark. Distances from the lens to all objects from 3' to 10' should be estimated as closely as possible owing to the limited depth of field. For distant subjects, the ring should be set at ∞ (infinity) meaning as far as the eye can see.

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 F stop 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 of any particular subject will result, of course, if the lens is focused at the exact distance from the camera to the subject.

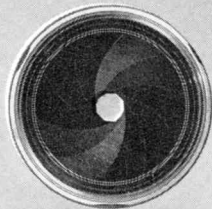
the diaphragm

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 top of the lens mount which moves the iris leaves. The movement of these leaves can be observed by setting the camera at Bulb (B), holding the shutter open, and moving the lever back and forth; when doing this note that the smaller numbers indicate the larger lens openings, (i.e., $f/4.5$ is the largest opening, $f/32$ the smallest).

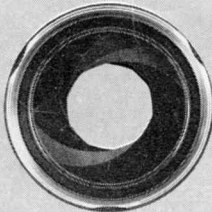
the shutter

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

Smaller lens
opening—
larger
number



Larger lens
opening—
smaller
number



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 (T) or Bulb (B) exposures. When making an exposure of longer than 1/25th of a second duration, a tripod or other firm support must be used.

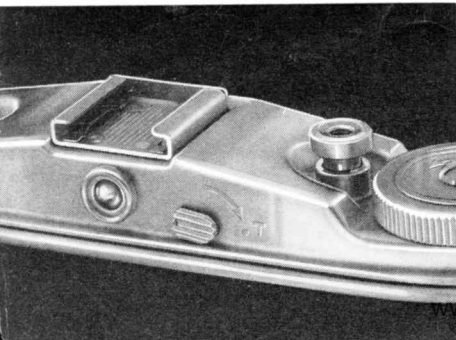
The shutter of the Speedex is regulated by setting the shutter setting ring at the desired speed.

To cock the shutter, move the cocking lever counterclockwise until it locks just before each exposure is to be made. The shutter is released by pressing the shutter release button.

bulb and time exposures

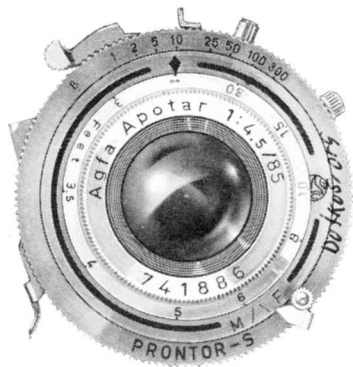
Bulb (B) exposures are made by setting the exposure setting ring on B, the shutter is then cocked and the shutter released. The shutter will remain open as long as the shutter release is depressed.

To make Time (T) exposure, used for very long exposures, set the exposure setting ring on B and cock the shutter. Move the Time (T) lever in the direction of the arrow and press the shutter release. The shutter will remain open until the Time lever is returned to its original position.



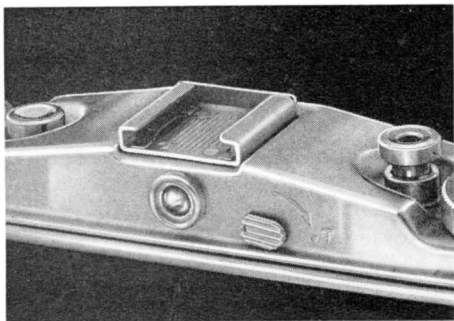
self-timing device

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 synchronizing adjustment to the "X" setting (orange dot) then move the shutter delay lever to the "M" 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 bulb exposures as the speed is not mechanically determined in this case.



double exposure prevention mechanism

The double exposure prevention mechanism eliminates the chance of a double exposure. After making the exposure, the shutter cannot be released until the film is wound. 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.



accessory clip

This handy clip may be used for attaching a wide selection of standard camera accessories such as flash guns and range finders.



the tripod socket

Primarily used for attaching the camera to a tripod but in addition, some accessories (such as many types of flash units) are attached to the camera by this socket.

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 Pack.

Supreme—A high speed panchromatic film for indoor or outdoor photography under natural or artificial light.

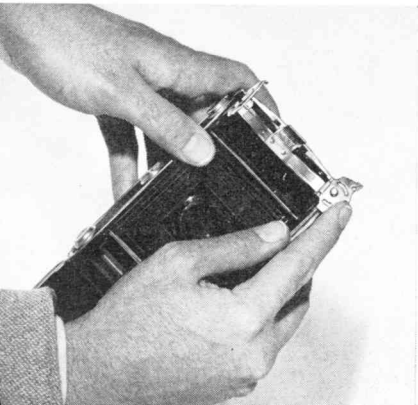
Superpan Press—An extremely high speed panchromatic film especially designed for use under adverse light conditions as well as all normal light photography.



loading the camera

Always load in subdued light.

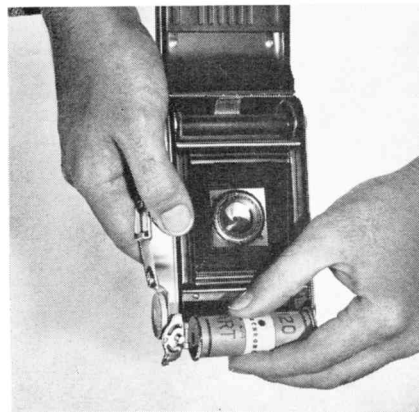
To load the camera, first open the camera by moving the camera back latch in the direction of the arrow. The back will then open with ease.



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 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 tables below:



EXPOSURE TABLE • PLENACHROME OR SUPREME FILM

<i>Light Conditions</i>	<i>f/4.5</i>	<i>f/5.6</i>	<i>f/8</i>	<i>f/11</i>	<i>f/16</i>
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 lens opening (next larger number)

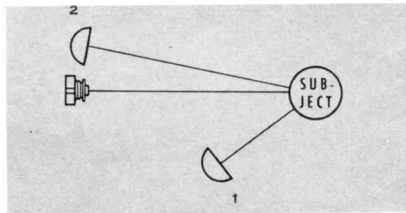
For brilliantly lighted subjects use next smaller lens opening than indicated; for close ups and pictures in the shade open lens one or two lens openings.

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

	<i>Distance from Lamp to Subject in Feet with Two No. 2 Lamps</i>		
Lamp No. 1	3	5	6
Lamp No. 2	5	7	9
<i>Shutter Speed</i>			
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 4.5 Special has full range flash synchronization, allowing the use of high speed electronic flash and most types of flash bulbs at all shutter speeds. Any flash unit with a 3mm continental type contact will give excellent results. To use high speed electronic flash set the synchronizing lever at the "X" (orange dot) setting.

To use with flashlamps the shutter synchronizing adjustment should be set at the yellow dot. The shutter delay lever should be set as indicated in the table. These settings allow for the "M" (20 msec. delay) bulbs or "F" (5 msec. delay) bulbs. The shutter delay lever must be set before each "M" delay exposure.

using the guide numbers

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

<i>Lamp</i>
5, 25 (M Setting)
11, 40 (M Setting)
2, 22 (M Setting)
SM, SF (F Setting)

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.	f4.5	—	—	—	—
1/50 sec.	f/6.3	f/4.5	—	f/4.5	—
1/25 sec.	f/9	f/6.3	f/4.5	f/6.3	f/4.5

FLOOD EXPOSURE TABLE • TUNGSTEN TYPE FILM

TWO 500 WATT 3200K 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 arrangement as for black and white photography.

FLASH EXPOSURE TABLE

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

*Use with a UV17 Filter

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



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

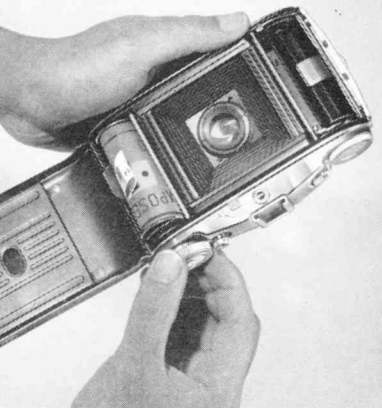
used. For example, with the camera focused at infinity (∞) and the diaphragm set at f4.5, everything from 53 feet to infinity will be sharp and in focus. When the camera is focused at infinity and the diaphragm set at f16, everything from 15 feet to infinity will be in focus.

The depth of field indicator 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 depth of field is indicated in the zones on each side of the lens opening reading.

<i>Focus Setting</i>
3
3.5
4
5
6
8
10
15
30
∞

DEPTH OF FIELD TABLE • ANSCO SPEEDEX 4.5 SPECIAL

4.5	5.6	8	11	16	22	32
2' 11"–3' 1"	2' 10"–3' 2"	2' 8"–3' 4"	2' 7"–3' 5"	2' 6"–3' 8"	2' 5"–4'	2' 1"–5' 6"
3' 4"–3' 8"	3' 3"–3' 10"	3' 1"–3' 11"	3'–4' 1"	2' 11"–4' 6"	2' 8"–5'	2' 7"–7' 10"
3' 10"–4' 4"	3' 8"–4' 5"	3' 7"–4' 7"	3' 5"–5' 1"	3' 2"–5' 6"	3'–6' 1"	2' 10"–9' 2"
4' 7"–5' 6"	4' 6"–5' 7"	4' 4"–5' 11"	4' 1"–6' 5"	3' 10"–7' 4"	3' 6"–8' 11"	3'–13' 2"
5' 5"–6' 8"	5' 4"–7.0	5'–7' 6"	4' 10"–8' 2"	4' 5"–9' 10"	3' 11"–13'	3' 6"–43'
7'–9' 5"	6' 10"–9' 10"	6' 5"–11'	5' 11"–12'	5' 4"–17'	4' 7"–28'	3' 11"–∞
8' 5"–12'	8' 2"–13'	7' 6"–15'	6' 11"–18'	6' 1"–29'	5' 4"–∞	4' 4"–∞
12–21	11–23	10–30	9–48	7' 6"–∞	6' 4"–∞	5' 2"–∞
19–69	18–∞	15–∞	13–∞	10–∞	8–∞	6'–∞
53–∞	42–∞	30–∞	22–∞	15–∞	11–∞	7' 5"–∞



unloading 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. The exposed roll may be removed by pulling out the film winding knob.

Fold the pointed end of the colored paper under and seal the spool with the "exposed" sticker. You are ready now to process your film at home or take it to your Anso dealer for processing.

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.

lens filters

Various Anso filters are available for your Speedex. These filters will enable you to get special effects. Ask your Anso dealer for Anso lens filters, series 5.



camera service

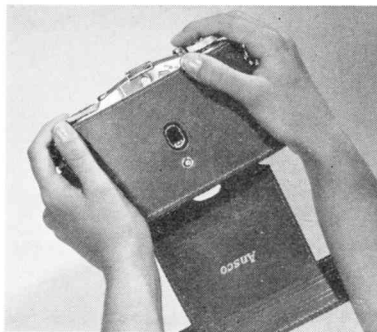
Your Speedex has been designed and made by skilled craftsmen. With the proper care this camera should give years of good service. Should anything go wrong, do not try to repair it yourself. Repair service is available from Ansco by shipping your camera to Camera Repair Service, Ansco, Emma Street, Binghamton, New York.

camera care

Your new Speedex, 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 from hard knocks, dust, rain and dampness. With the Speedex Eveready Case, your camera is ready for instant use; just unsnap the button and 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.

AnSCO booklets . . .

to help you improve your photography

These helpful booklets have been carefully written by experts to provide you with up-to-date, complete information about photography. See them at AnSCO dealers.

BETTER PHOTOGRAPHY MADE EASY

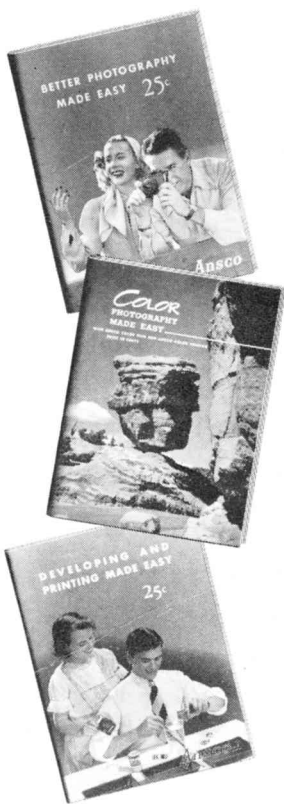
An easy-to-understand 60-page booklet which tells in simple, non-technical language just how to take better, more interesting pictures. Profusely illustrated, it contains sections on camera selection, composition, exposure, film filters, and a host of other subjects.

COLOR PHOTOGRAPHY MADE EASY

Here under one cover is all the information you need for making excellent AnSCO Color transparencies and color prints. It includes sections on taking color pictures, outdoors and in, processing your AnSCO Color Film, and direct color printing on AnSCO Color Printon. There is much helpful data on other subjects, such as high speed flash, filters for color photography, and specialized color techniques.

DEVELOPING AND PRINTING MADE EASY

This informative booklet tells photographers all they need to know about darkroom procedures. Its 60 well illustrated pages show the reader the equipment he needs and take him through each step in processing film and making prints. It is really a complete course in all elementary darkroom procedures.



how to use your ansco speedex

Ansco

BINGHAMTON, NEW YORK