

The Diaphragm



The diaphragm controls the amount of light passing through the lens. It has a double effect:

- 1. It controls the depth of field.
- 2. It controls the effective aperture of the lens.

Therefore the aperture must be increased correspondingly or smaller diaphragm openings. The following table shows the ratio of exposure to the diaphragm opening.

Diaphragm	2.8	4	5.6	8	11	16	22
Exposure	1	2	3	4	6	9	16

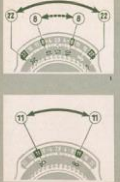
Notes: The aperture must be increased correspondingly or smaller diaphragm openings. The following table shows the ratio of exposure to the diaphragm opening.

Focusing

Focus the subject by turning the focusing knob on the front of the camera. The focusing knob will move the lens to focus on the subject. The focusing knob will move the lens to focus on the subject. The focusing knob will move the lens to focus on the subject.

Focus at the greater degree of aberration permits a wider subject distance.

In Practice



The section of the focusing mechanism between the lens and the diaphragm is called the diaphragm. It controls the amount of light passing through the lens. It has a double effect: 1. It controls the depth of field. 2. It controls the effective aperture of the lens.

1. To obtain a greater depth of field, use a smaller diaphragm opening. The depth of field is increased. 2. To obtain a smaller depth of field, use a larger diaphragm opening. The depth of field is decreased.

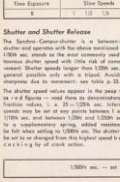
The Depth of Field Table

Diaphragm	2.8	4	5.6	8	11	16	22
40'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50
10'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50
2'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50
1'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50

Speed of Moving Shutter and Shutter Speeds


Shutter Speed	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/500	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/1000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/2000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/4000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/8000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/16000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/32000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000

Shutter and Shutter Release




The shutter release is responsible for the correct exposure of the moving picture. It is controlled by the shutter release button. The shutter release button is located on the front of the camera. It is used to start the camera and to stop the camera.

The Exposure




The exposure is controlled by the shutter release button. It is used to start the camera and to stop the camera. The exposure is controlled by the shutter release button. It is used to start the camera and to stop the camera.

III. LOADING AND FILM TRANSPORT




The film is loaded into the camera. The film is then transported through the camera. The film is then transported through the camera. The film is then transported through the camera.

Inserting the Film Spool



The film spool is inserted into the camera. The film spool is then inserted into the camera. The film spool is then inserted into the camera. The film spool is then inserted into the camera.

Threading the Film



The film is threaded through the camera. The film is then threaded through the camera. The film is then threaded through the camera. The film is then threaded through the camera.

Depth of Field



The depth of field is the distance between the nearest and farthest objects that are acceptably sharp. It is controlled by the diaphragm and the focal length of the lens.

Depth of Field Table

Diaphragm	2.8	4	5.6	8	11	16	22
40'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50
10'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50
2'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50
1'	1/1000	1/500	1/315	1/200	1/125	1/75	1/50


Speed of Moving Shutter and Shutter Speeds

Shutter Speed	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/500	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/1000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/2000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/4000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/8000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/16000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/32000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000

The Exposure Table

Diaphragm	2.8	4	5.6	8	11	16	22
1/500	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/1000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/2000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/4000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/8000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/16000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000
1/32000	1/500	1/1000	1/2000	1/4000	1/8000	1/16000	1/32000

The Exposure Table




The exposure is controlled by the shutter release button. It is used to start the camera and to stop the camera. The exposure is controlled by the shutter release button. It is used to start the camera and to stop the camera.

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When making exposures in total darkness it is necessary to hold down the camera until it is released by the shutter. In the case of the flash, the camera should be held steady by the right hand. The flash should be held in the right hand, with a light pointer of the flash being in contact with the camera.

To Remove the Film
After the film has been exposed for complete exposure, the camera should be held steady by the right hand. The flash should be held in the right hand, with a light pointer of the flash being in contact with the camera.

Only if loaded is it "ready to shoot!"

IV. FLASHLIGHT TECHNIQUE

In modern flashlight technique the camera shutter takes over the task of firing the flash electrically at the right moment. The use of modern flash exposures are possible with a hand-held camera.

The **Shutter-Speed** is the shutter speed. For this purpose, exposure with electronic camera. The camera may be adjusted to the required depth of the flash beam by means of the lens.

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Flashlight Model	Flashlight Model	Flashlight Model	Flashlight Model	Flashlight Model	Flashlight Model
1. Flashlight Model	2. Flashlight Model	3. Flashlight Model	4. Flashlight Model	5. Flashlight Model	6. Flashlight Model
7. Flashlight Model	8. Flashlight Model	9. Flashlight Model	10. Flashlight Model	11. Flashlight Model	12. Flashlight Model
13. Flashlight Model	14. Flashlight Model	15. Flashlight Model	16. Flashlight Model	17. Flashlight Model	18. Flashlight Model

Explanation of the Table
The "Control" column indicates the correct setting of the flash beam for each type.

The "Shutter-Speed" column shows the permissible range.

Control the recommended shutter speed. The camera should be adjusted to the required depth of the flash beam by means of the lens.

How the Flash Contacts Work
The information given here is for general reference only. For detailed information, consult the manual of the camera.

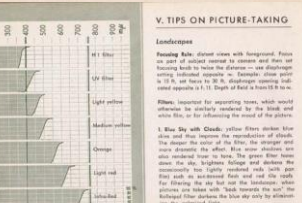
The flash contacts are located on the camera and the flash. The contacts are made of brass and are in contact with the camera and the flash.

Control
The control is used to adjust the flash beam to the camera. The control is located on the camera and the flash.

Flashlight Photography
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Control
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V. TIPS ON PICTURE-TAKING
Light intensity decreases as distance increases. The graph shows that light intensity decreases as distance increases.

Light Intensity
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Portrait
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Control
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Children
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Control
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Snapshots
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Control
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Sports
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Control
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Theater and Music-Hall
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Control
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Shiny Surfaces
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Control
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Flora
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Control
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Color Photography
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Control
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Color Photography
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Control
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Multiple Exposures
The possibility of making the shutter without interfering the film speed by means of multiple exposures, has now a few possibilities: multiple exposures, images of the same scene. Process of "Sodium" Photochrom, "Nuclear" apparatus in closed and open positions.

Two exposures, multiple exposures, with different films. This is possible with the "Sodium" Photochrom apparatus. When photos are taken from the same position, completely black, "Nuclear" apparatus of "Sodium" Photochrom, "Nuclear" apparatus in closed and open positions.

Fluorescent Pictures

Special technique pictures of almost white, which include a large portion of the frame, are made possible with the "Sodium" Photochrom apparatus. When photos are taken from the same position, completely black, "Nuclear" apparatus of "Sodium" Photochrom, "Nuclear" apparatus in closed and open positions.

Pictures Through the Microscope

When a microscope is focused by camera with camera through the eye and the image on 1/2 of view of safety. Consequently, the light, the focused on itself, can clearly be seen at the eye and the microscope in order to make the image for film.

Rolleiflex Lens

Cleaning the ground glass screen with this new Rolliflex lens cleaner will considerably brighten the image on the edges. Critical focusing is easily accomplished through the clear screen portion of the grid.

Microscope and camera should be mounted on the same table, without mechanical connections. Place the camera so that taking time, focused at ∞ , is brought as close as possible to the mirror. Check carefully with carefully. The above should be modified to make being photographed. For full coverage of 35, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000.

Care of the Rolleiflex

A practical means of preventing rust in handling. Protect it against moisture, dust, sand, strong vapors, heat, fumes or fumes. That subjected to the sun, rain, snow, frost, wind, etc. Do not use water, acid or alkali. Carry camera wrapped in a moisture impermeable cloth. Keep all parts clean and clear from dirt. Use a soft brush and clean lens with a soft cloth. Use a soft brush and clean lens with a soft cloth. Use a soft brush and clean lens with a soft cloth.

Speed of Photographic Emulsions

Emulsion	Sensitization		ASA	ISO	ASA	ISO
	ASA	ISO				
Agfa 1	100	100	100	100	100	100
Agfa 2	200	200	200	200	200	200
Agfa 3	400	400	400	400	400	400
Agfa 4	800	800	800	800	800	800
Agfa 5	1600	1600	1600	1600	1600	1600
Agfa 6	3200	3200	3200	3200	3200	3200
Agfa 7	6400	6400	6400	6400	6400	6400
Agfa 8	12800	12800	12800	12800	12800	12800
Agfa 9	25600	25600	25600	25600	25600	25600
Agfa 10	51200	51200	51200	51200	51200	51200

The Practical Accessories for the Rolleiflex 2.8 C

- Car: Carrying Case for Rolleiflex 2.8 C
- Filter: Yellow Filter, Light
- Filter: Blue Filter, Light
- Filter: Green Filter, Light
- Filter: Red Filter, Light
- Filter: Orange Filter, Light
- Filter: Purple Filter, Light
- Filter: White Filter, Light
- Filter: Black Filter, Light
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- Filter: Nickel Filter, Light
- Filter: Zinc Filter, Light
- Filter: Iron Filter, Light
- Filter: Tin Filter, Light
- Filter: Lead Filter, Light
- Filter: Silver Chloride Filter, Light
- Filter: Silver Bromide Filter, Light
- Filter: Silver Iodide Filter, Light
- Filter: Silver Sulfide Filter, Light
- Filter: Silver Oxide Filter, Light
- Filter: Silver Nitrate Filter, Light
- Filter: Silver Cyanide Filter, Light
- Filter: Silver Fluoride Filter, Light
- Filter: Silver Phosphide Filter, Light
- Filter: Silver Selenide Filter, Light
- Filter: Silver Telluride Filter, Light
- Filter: Silver Bismuthide Filter, Light
- Filter: Silver Antimonide Filter, Light
- Filter: Silver Arsenide Filter, Light
- Filter: Silver Stannide Filter, Light
- Filter: Silver Cadmate Filter, Light
- Filter: Silver Zincate Filter, Light
- Filter: Silver Magnesium Filter, Light
- Filter: Silver Strontiate Filter, Light
- Filter: Silver Bariate Filter, Light
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In Case of Damage to the Rolleiflex

The risk of rusting metal or minor damage in the general practice of the specially treated emulsion. Franks & Heidecke maintain close down with you working in which all requirements in case of minor damage to the camera. Franks & Heidecke maintain close down with you working in which all requirements in case of minor damage to the camera.

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Type	ASA		ISO	ASA	ISO
	ASA	ISO			
1	100	100	100	100	100
2	200	200	200	200	200
3	400	400	400	400	400
4	800	800	800	800	800
5	1600	1600	1600	1600	1600
6	3200	3200	3200	3200	3200
7	6400	6400	6400	6400	6400
8	12800	12800	12800	12800	12800
9	25600	25600	25600	25600	25600
10	51200	51200	51200	51200	51200

Type	ASA		ISO	ASA	ISO
	ASA	ISO			
1	100	100	100	100	100
2	200	200	200	200	200
3	400	400	400	400	400
4	800	800	800	800	800
5	1600	1600	1600	1600	1600
6	3200	3200	3200	3200	3200
7	6400	6400	6400	6400	6400
8	12800	12800	12800	12800	12800
9	25600	25600	25600	25600	25600
10	51200	51200	51200	51200	51200