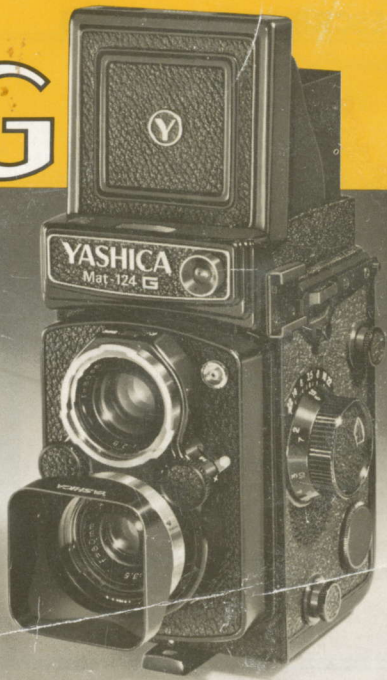
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YASHICA

MAT-124G



INSTRUCTION BOOKLET
GEBRAUCHSANWEISUNG
MODE D'EMPLOI
FOLLETO DE INSTRUCCIONES

BESCHREIBUNG

[1] ASA-Sichtfenster f. Filmempfindlichkeit
[2] ASA-Einstellrad
[3] Ose für Tragriemen
[4] Filmzählwerk
[5] Sichtfenster f. verwendete Filmtype
[6] Sichtfenster f. Blende u. Verschlusszeit
[7] Stellrad f. Verschulsszeiten
[8] Filmtransportkurbel
[9] Auslösersperrhebel
[10] Auslöserknopf
[11] Sportrahmensucher
[12] Belichtungsmesserfenster
[13] Lichteintritt f. Belichtungsmesser
[14] Blitzlichtkontaktnippel
[15] Sucherobjektiv
[16] Stellrad f. Blendenwert
[17] Aufnahmeobjektiv
[18] Rückwandverriegelung

DESCRIPTION

[1] Fenêtre indicatrice de la sensibilité ASA
[2] Anneau de règlage des sensibilités ASA
[3] Attache pour la courroie
[4] Compteur d'images
[5] Fenêtre de rappel du film employé
[6] Fenêtre (indicatrice) des ouvertures/vitesse d'obturation.
[7] Cadran de contôle de la vitesse d'obturation
[8] Poignée de la manivelle du rebobinage
[9] Levier de blocage de l'obturateur
[10] Bouton du déclencheur
[11] Cadre du viseur sport
[12] Fenêtre indicatrice du posemètre
[13] Oeil de la collule CdS
[14] Prise du flash
[15] Objectif de visée
[16] Cadran de contrôle de l'ouverture
[17] Objectif
[18] Verrou de fermeture du couvercle du dos

DESCRIPCION

[1] Indicador de la sensibilidad de la película
[2] Ajustador de la sensibilidad ASA
[3] Enganche de la correa
[4] Contador de tomas
[5] Indicador del tipo de la película cargada
[6] Ventánilla indicadora de la Abertura y la velocidad de obturación
[7] Mando de la velocidad de obturación
[8] Manivela de avance
[9] Inmovilizador del disparador
[10] Disparador
[11] Tapa del visor deportivo
[12] Ventanilla del exposímetro
[13] Ventanilla fotocaptadora
[14] Enchufe para flash
[15] Objetivo visor
[16] Mando de la abertura del objetivo
[17] Objetivo de toma
[18] Sujetador de la tapa trasera

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DESCRIPTION OF PARTS



1 ASA Film Speed Indicator Window
2 ASA Film Speed Setting Wheel
3 Neckstrap Eyelet
4 Exposure Counter
5 Exposure Load Reminder Window
6 Aperture/Shutter Speed Indicator Window
7 Shutter Speed Control Dial
8 Film Wind Crank-Handle
9 Shutter Locking Lever
10 Shutter Release Button
11 Sportsfinder Frame
12 Exposure Indicator Window
13 CdS Light Acceptor
14 Flash Contact
15 Viewing Lens
16 Aperture Control Dial
17 Taking Lens
18 Back Cover Latch

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click on the secure site on my main page.

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19 Accessory Shoe

20 Spool Holder Knob

21 Focusing Knob

22 MX Flash Synchronizer Selector

23 Battery Compartment Cover

24 Spool Holder Knob

25 Self-Timer Lever

Mike Butkus
Digitally signed by Mike Butkus
DN: cn=Mike Butkus, o=Butkus camera manuals, ou=Technical, email=mike@butkus.org, c=US
Date: 2020.11.24 22:22:47 -05'00'



26 Film Pressure Plate (for both 12 and 24 exposures)

27 "Start" Mark for 24 exposure load

28 Spool Push Spring

29 "Start" Mark for 12 exposure load

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[19] Zubehöraufsteckschuh
[20] Obere Filmspulenarretierung
[21] Entfernungseinstellknopf
[22] MX-Synchron-Wähler
[23] Batteriekammerdeckel
[24] Untere Filmspulenarretierung
[25] Selbstauslöserspannhebel
[26] Filmandruckplatte f. 12 u. alle 24 Aufnahmen
[27] Marke f. 24er Filmanfang
[28] Filmspannfeder
[29] Marke f. 12er Filmanfang

[19] Sabot pour accessoires
[20] Bouton de fixation de la bobine
[21] Bouton de mise au point
[22] Sélecteur synchro MX pour le flash
[23] Couvercle du compartiment de batterrie
[24] Bouton de fixation de la bobine
[25] Retardement.
[26] Plaque du presse-film pour chargement à 12 ou 24 images
[27] "Start" point de départ pour film à 24 images
[28] Ressort de tension du film
[29] "Start" point de départ pour film à 12 images

[19] Portaaccesorios
[20] Sujetador del Carrete Superior
[21] Mando de Enfoque
[22] Selector de Sincronizaciones MX.
[23] Tapa del Alojamiento de la Pila
[24] Sujetador del Carrete Inferior
[25] Autodisparador
[26] Placa de Presión para rollos de 12 y 24 fotos
[27] Marca de Iniciación para rollo de 24 fotos
[28] Muelle para tensar la película
[29] Marca de Iniciación para rollo de 12 fotos

FEATURES

Type: Twin-lens reflex camera accepting either 120 (12 exposures) or 220 (24 exposures) Film.

Lens: YASHINON 80 mm F3.5 lens composed of 4 elements in 3 groups.

Shutter: COPAL-SV shutter with speeds from 1 to 1/500 sec. and B; built-in self-timer; MX flash synchronizer selector; shutter locking device.

Finder: YASHINON 80 mm F2.8 viewing lens; Fresnel field lens for corner-to-corner brightness; 3X magnifying lens for critical focusing; eye-level sports-finder frame incorporated in the viewfinder hood.

Exposure meter: Built-in match-needle type CdS meter based on preselection of shutter speed; film speed range from ASA 25 to 400; meter switch coupled to viewfinder hood; operates on 1.3 V mercury battery.

Film advance: Crank-handle film advance with automatic film stop; simultaneously charges the shutter for the next exposure; automatic resetting exposure counter registers the number of exposed frames.

Focusing: Extra-large knob extends or retracts the front panel to secure focus on the subject; distance scale calibrated in both feet and meters (3.3 ft to infinity; 1 m to infinity).

Other features: Aperture scale from F3.5 to F32; adjustable film pressure plate usable with both 12 and 24 exposure load film; exposure load reminder window; threaded cable release socket; hinged back cover; bayonet-type filter mount accepting 30 mm filters.

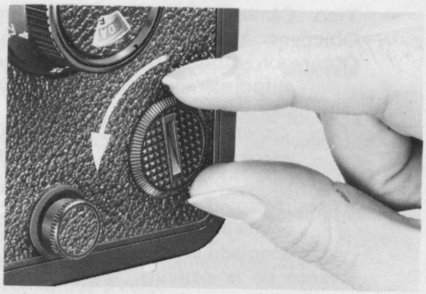
Dimensions: 77 x 148 x 101 mm

Weight: 1,100 grams

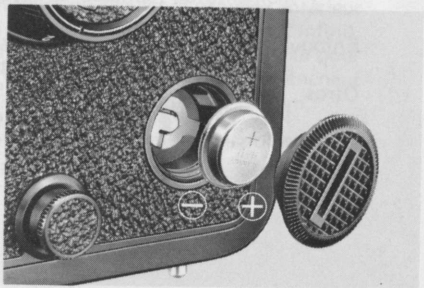
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BATTERY LOADING

[1] Open the Battery Compartment Cover holding with finger and by turning it counter-clockwise. This camera uses a 1.3 V mercury battery to power its exposure meter. Use either Mallory PX-13B, Eveready EPX-13 or equivalent.



[2] Install a 1.3 V mercury battery to power the exposure meter, as illustrated.



CORRECT EXPOSURE SETTING (1)

1 Turn the ASA Film Speed Setting Wheel until the figure denoting the ASA rating of the film in use aligns with the red indicator in the ASA Film Speed Indicator Window.



2 Center the desired shutter speed in the Shutter Speed Indicator Window by turning the Shutter Speed Control Dial. The exposure meter pointer in the Exposure Indicator Window is coupled to the shutter mechanism and will shift in either direction when the shutter speed is adjusted.

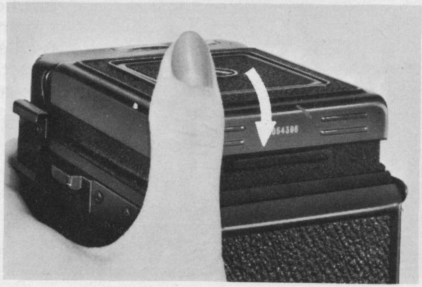


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3 The exposure meter begins to function when the focusing hood is set upright by lifting it up gently with your fingertip.



- When the camera is to be left unused, fold the focusing hood. This will switch off the meter and prevent draining of battery power.



CORRECT EXPOSURE SETTING (2)

4 Turn the Aperture Control Dial and coincide the yellow follower needle (coupled to the aperture mechanism) with the red meter pointer (coupled to the shutter mechanism), both visible in the Exposure Indicator Window.

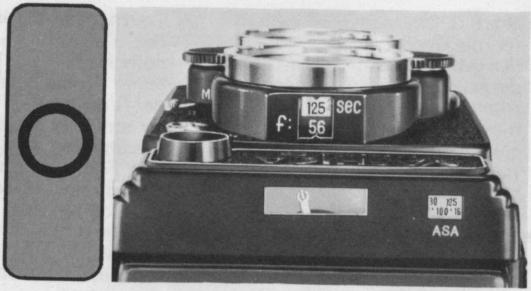
- The correct combination of the shutter speed and lens aperture can be seen in the Shutter Speed and Aperture Indicator Windows.

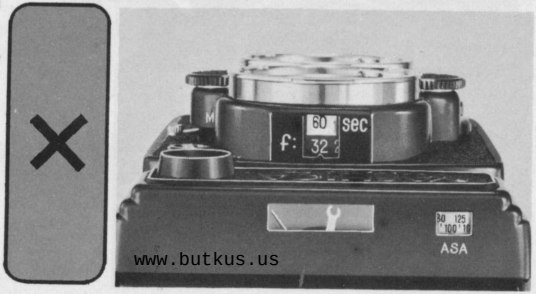


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- When the yellow follower needle (Y) perfectly coincides with the meter pointer (I), it signifies that THE CAMERA is set for correct exposure. The proper combination of the shutter speed and aperture is shown in the Shutter Speed and Aperture Indicator Windows.

- If the yellow follower needle fails to align with the meter pointer, alter the shutter speed setting by turning the Shutter Speed Control Dial in either direction. If the two needles fail to match even when both the shutter speed and aperture settings are changed, it means that correct exposure cannot be obtained under the prevailing light condition.





ASA FILM SPEED RATING

ASA rating indicates the sensitivity of the emulsion of the film and is clearly imprinted on the box or instructions which come with the film.

ASA FILM SPEED SCALE

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ASA	25	32	40	50	64	80	100	125	160	200	250	320	400
DIN	15	16	17	18	19	20	21	22	23	24	25	26	27

SHUTTER SPEED

Light Condition	Average Subject
Bright sun	1/500 • 1/250 sec.
Cloudy bright	1/250 • 1/125 sec.
Heavy overcast or rain	1/60 • 1/30 sec.
Indoor	1/30 sec. or slower
Special conditions	1 sec. or B

Set desired shutter speed by turning shutter speed control dial. To determine Aperture control dial and align yellow follower needle with red meter pointer.

ASA-EMPFINDLICHKEITSWERTE

Die ASA-Zahl gibt die Empfindlichkeit der verwendeten Filmemulsion an. Sie ist auf den Filmpackungen angegeben. – Die nicht bezifferten Zwischenpunkte entsprechen den folgenden ASA-Werten : (Tabelle : ASA FILM SPEED SCALE)

MAT124G

ASA	25	32	40	50	64	80	100	125	160	200	250	320	400
DIN	15	16	17	18	19	20	21	22	23	24	25	26	27

Verschlußzeiten

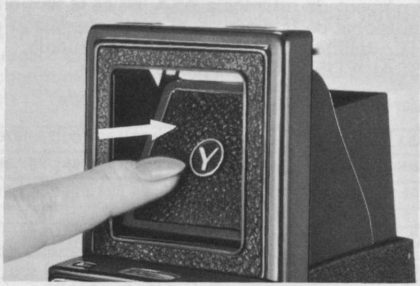
Lichtverhältnisse	für normale Objekte
Heller Sonnenschein	1/500 • 1/250 Sekunde
Leicht bewölkt, aber hell	1/250 • 1/125 Sekunde
Dunkle Wolken/Regen	1/60 • 1/30 Sekunde
Innenaufnahmen	1/30 Sek. und länger
Besondere Aufnahmen	1 Sek. oder B-Einstellung

Man stelle zuerst die Verschlußzeit ein und justiere danach durch Blendenverstellung den gelben Nachführzeiger.

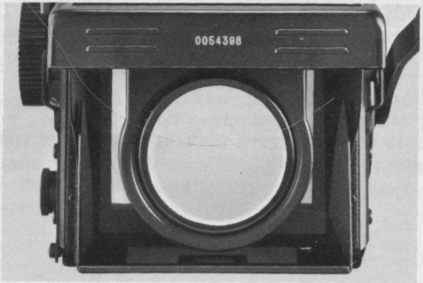
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FOCUSING

The camera features a magnifying lens for critical focusing which springs up into position when the sportsfinder frame section of the Focusing Hood is pushed in slightly.



To focus, turn the Focusing Knob while observing the image of your subject produced on the Focusing Screen. After focusing, compose your picture.



In focus

THE CAMERA is in focus when the image on the Focusing Screen appears clear and crisp.





Out of focus

Your subject will appear blurred on the Focusing Scrren when it is out of focus.

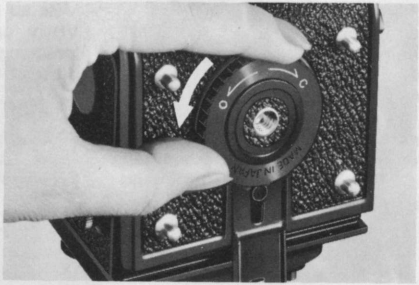


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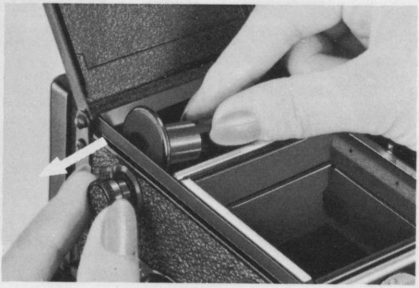
FILM LOADING

1 The Back Cover will spring open when the Back Cover Locking Ring is turned in the direction of "O" (Open).

Note : The exposure counter resets automatically to "S" (Start) when the Back Cover is opened.



2 Pull out the Upper Spool Holder Knob and place the empty spool in the Take-Up Spool Chamber. After the Take-up Spool is set properly in the camera, return the Spool Holder Knob to its original position.

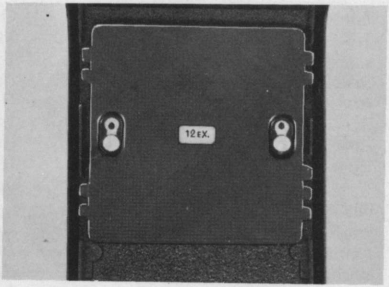


When loading a 120 film (12 exposures), hold the back cover with both hands and slide the Film Pressure Plate with your thumbs until it clicks into position and the sign 12 EX. (in green) appears in the window in the middle of the plate.
When loading a 220 film (24 exposures), hold the back cover with both hands and slide the Film Pressure Plate with your thumbs until it clicks into position and the sign 24 EX. (in red) appears in the window in the middle of the plate.

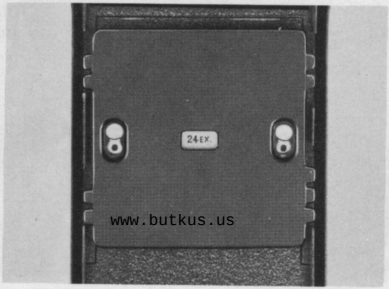
Cautions:

When sliding the Film Pressure Plate from 12 EX. to 24 EX., or vice versa, use both hands and then check if the plate spring is working properly by depressing the plate once or twice.
Uneven film feeding and poor focusing may result if the Film Pressure Plate is not properly positioned.







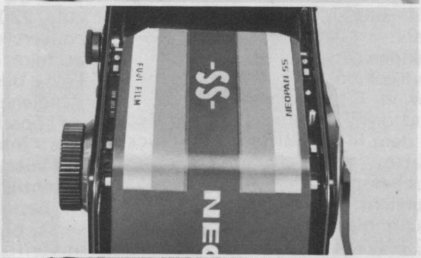


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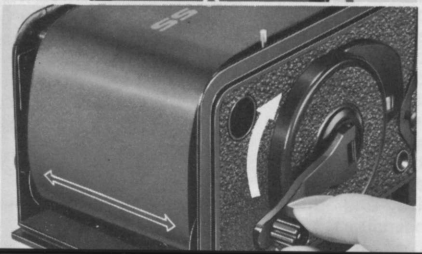
4 Place the new roll of film in the lower film chamber while pulling out the Lower Spool Holder Knob. Also make sure that the Lower Spool Holder is returned to its original position after loading the film.



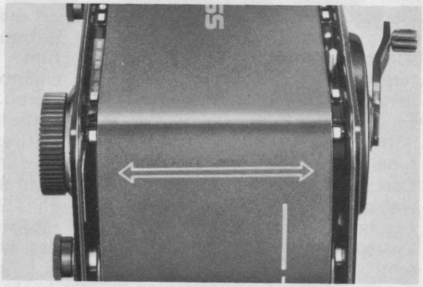
5 Draw out the film leader gently and introduce its tip straight and amply into the slot on the spindle of the Take-up Spool. The film may fail to advance if the film leader is not inserted properly into the slot.



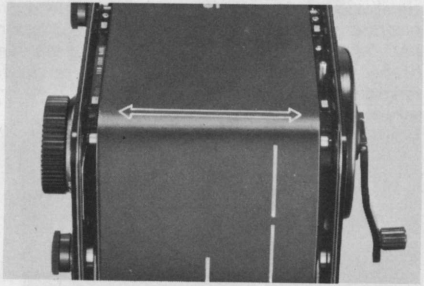
6 After ascertaining that the trimmed edge of the film leader rests flush against the edge of the slot, turn the Film Wind Crank-handle gently in the direction of the arrow and check whether the film is advancing properly.



7 Continue winding the film until the "start" mark on the film leader paper lines up with the GREEN triangular (◀) "start" mark for 120 film.

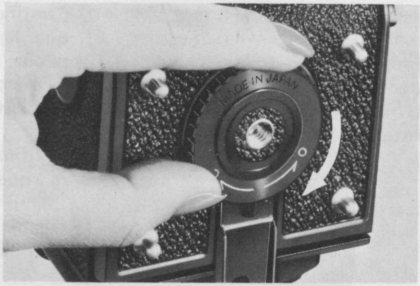


7 Continue winding the film until the "start" mark on the film leader paper lines up with the RED triangular (▶) "start" mark for 220 film.

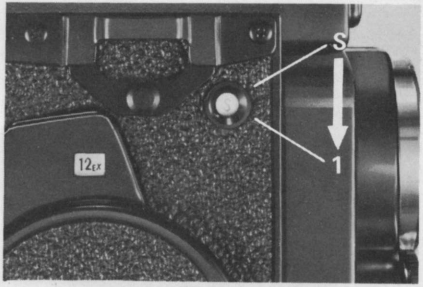


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8 Then, close the Back Cover and turn the Back Cover Locking Ring toward "C" (Close) while pressing the cover. (When closing the Back Cover, see that the lug on the body rests properly in the slot on the Back Cover Latch.)



9 The letter "S" appears in the Exposure Counter during the film loading operation. After closing the Back Cover, wind the crand-handle until the figure "1" appears in the Exposure Counter Window.

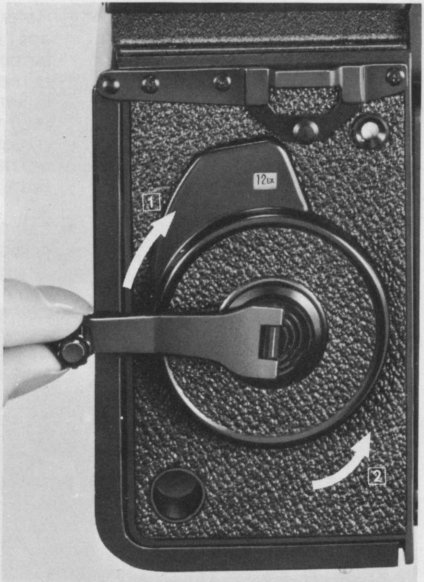


FILM WIND CRANK–HANDLE

[1] First, turn the Crank-handle all the way in a clockwise motion (toward [1]).

[2] Then, wind it all the way in a counter-clockwise motion (toward [2]) to charge the shutter.

CAUTION : In case of slow shutter speeds (1 sec. to 1/50 sec.), make sure the shutter mechanism completes its function before winding the film.



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EXPOSURE LOAD REMINDER WINDOW

When the back cover is closed, the exposure load reminder window will show "12 EX" (green) in case of 120 film, and "24 EX" (red) in case of 220 film, to check the exposure load of the film in use.





FILM TYPE INDICATOR WINDOW

After loaded the film, turn the Film Type Indicator as illustrated, so that the letters equivalent to the film type in use are indicated in the window.



. . . Reversal type color film for daylight



. . . Negative type color film for daylight



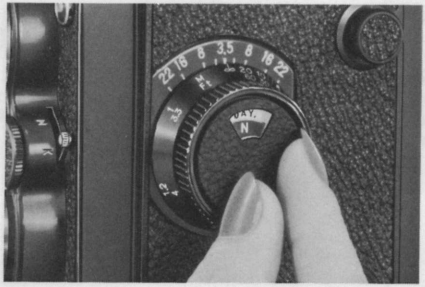
. . . Reversal type color film for tungsten lamp



. . . Black & White film



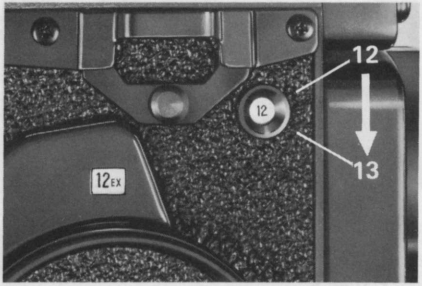
. . . When the film is not loaded in the camera, set the Indicator to "EMPTY."



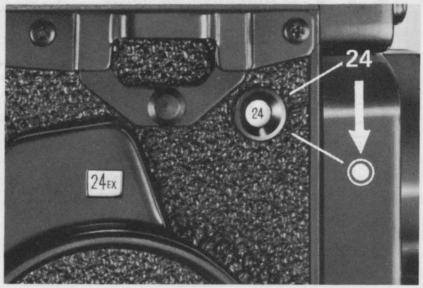
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FILM UNLOADING

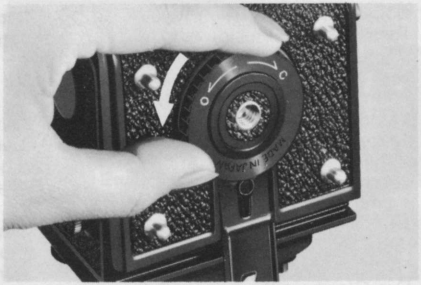
[1] When the figure "12" appears in the exposure counter window, it signifies that the full length of the film has been exposed. Another wind of the crankhandle will set the exposure counter between "12" and "13", but continue winding until the crank-handle turns freely without tension.



[1] When the figure "24" appears in the exposure counter window, it signifies that the full length of the film has been exposed. Another wind of the crank-handle will bring out the ◉ mark in the window, but continue winding until the crankhandle turns freely without tension.



[2] Open the Back Cover by turning the Back Cover Locking Ring in the direction of "O" (Open).

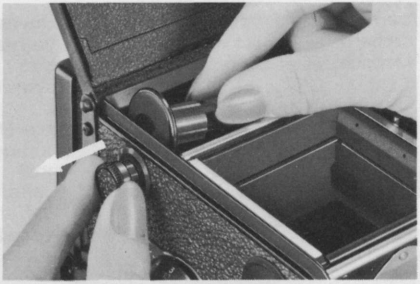


[3] Pull out the Upper Spool Holder Knob and take out the exposed film from the film chamber. Paste the seal to prevent recoiling and wrap the film in light-proof paper.



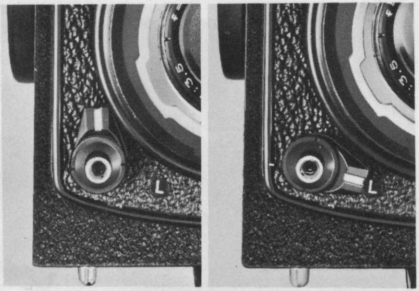
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- To minimize the trouble in loading your next film, it is advisable to take out the empty spool from the lower film chamber and to set it in the upper chamber immediately after unloading the exposed film.



SHUTTER LOCKING LEVER

The Shutter Locking Lever located on the base of the Shutter Release Button offers an effective provision against accidental tripping of the shutter. To lock the shutter, shift the Shutter Locking Lever and align it with "L" (Lock).



TIPS ON BETTER PICTURE-TAKING

Color Photography:
For best results in color photography, see that your subject receives the light directly from the front. The even distribution of light over the entire subject area will assure better color balance.



Shooting Open Scenes:
When shooting landscapes or other open scenes, the use of a lens hood is recommended to ward off extraneous reflected light.

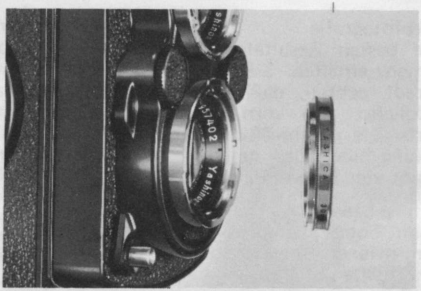
Shooting Backlighted Subjects:
The CdS exposure meter built into the camera is designed to make automatic compensation for exposure when shooting against light, therefore, take the exposure reading in the normal way.
In case you wish to bring out your main subject brighter, approach your subject and set the exposure accordingly.

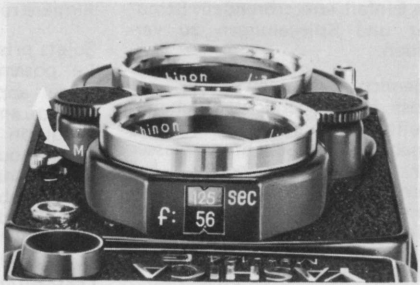
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USE OF FILTER

When shooting under blazing sunlight or photographing snow or beach scenes, the use of a filter is recommended to assure better overall effect.
When using filter, make compensation for exposure according to the filter factor. (For instance, double the exposure when a Y2 filter is mounted over the taking lens.)

In case the correct combination of shutter speed and aperture is 1/250 sec. and F8, turn the Aperture Control Dial and set the lens aperture to F5.6 when using a Y2 filter.





FLASH EXPOSURE

When using a conventional flash gun or electronic flash, mount it directly on the accessory shoe or with a bracket attached to the Tripod Socket of the camera.

Plug the PC cord of the flash unit into the Flash Contact of the camera.

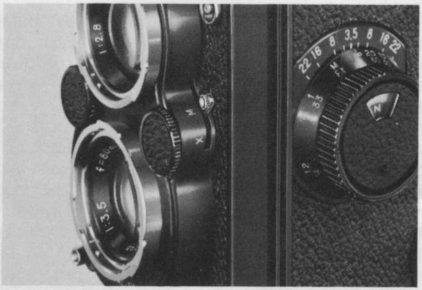
Correct exposure in flash photography is determined by referring to the guide number of the flash bulb or electronic flash in use. The correct aperture is obtained by dividing the guide number for a specific ASA film speed rating by the camera-to-subject distance.



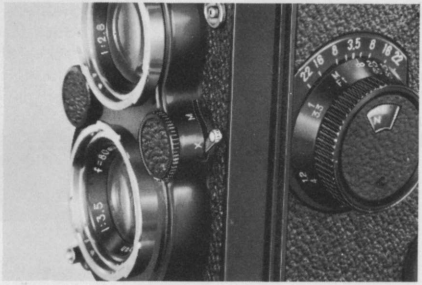
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Always set the Flash Synchronizer Selector to "M" with M-class bulbs.

Flash unit	Flash Contact	Shutter speeds
M-class bulbs	M	All speeds
F-class bulbs	X	1/30 sec. or slower
Electronic flash	X	All speeds



Switch the Flash Synchronizer Selector to "X" when using F-class flash bulbs or electronic flash.



The guide number is clearly indicated on the outer box or instructions which come with the flash bulbs or electronic flash.

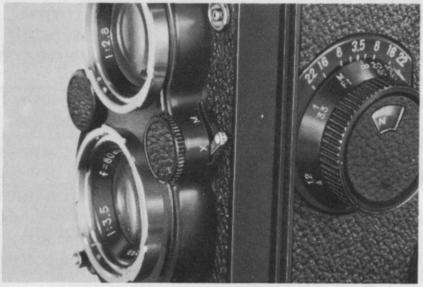
SELF-TIMER

When using the self-timer, always see to it that the Flash Synchronizer Selector is switched to "X" position.

[1] Charge the shutter by winding the Crank-handle and then set the Self-Timer by shifting the lever on the bottom of the lens barrel section in the direction of the arrow.

[2] The Self-Timer is activated through depression of the Shutter Release Button and trips the shutter after a delay of 6 to 15 seconds.
When shooting with the aid of the self-timer, it is advisable to mount the camera on a tripod or to set it on a firm surface.

Caution: Avoid manipulating the Self-Timer Lever while the Flash Synchronizer Selector is set at "M" position, since it may cause damage to the Self-Timer mechanism.





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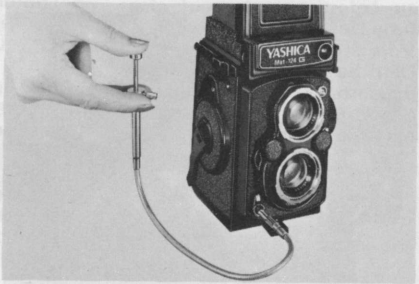
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B (BULB) EXPOSURE CABLE RELEASE

At "B" (Bulb) setting, the shutter remains open over the duration the Shutter Release Button is depressed. This setting is used for long exposures under subdued light conditions or in shooting fireworks, etc.



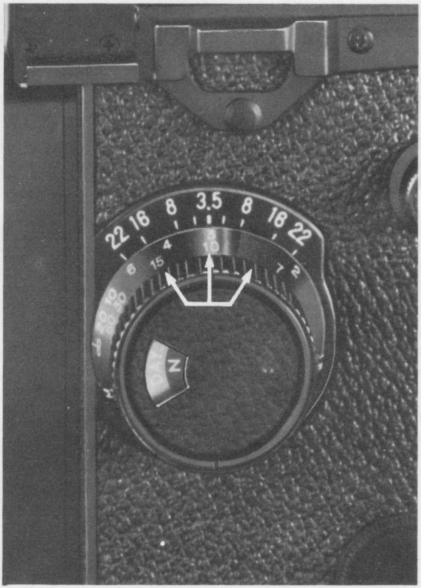
When shooting at 1/30 sec. or slower shutter speeds or making B (bulb) exposures, it is advisable to mount the camera on a tripod and to use a cable release to prevent erratic movement of the camera during exposure. To mount the cable release, screw it into the Cable Release Socket on the Shutter Release Button.



DEPTH OF FIELD

The depth of field for a given aperture and camera-to-subject distance can be read off the depth-of-field scale around the Focusing Knob. By checking this scale, you can easily determine before shooting the extent over which the objects will appear sharp and clear.

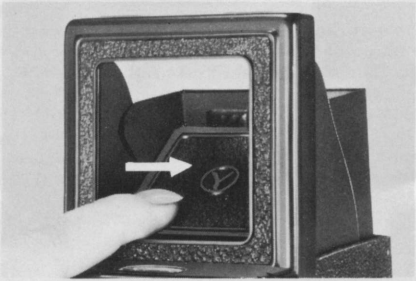
When your camera is focused on a subject at a distance of 10 feet, and the lens aperture is set at F16, the range indicated by figures "16" on both sides of the distance scale Index is the extent of the depth of field. In other words, all objects from a distance of about 7 feet to 15 feet will appear sharp and clear on the film.



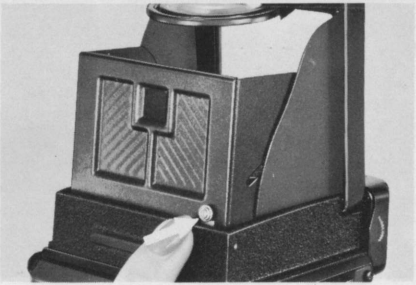
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SPORTSFINDER

The Sportsfinder incorporated in the Focusing Hood comes in handy for snapshots or when shooting fast-moving subjects at eye-level.
To set the Sportsfinder for action, press the Sportsfinder Frame Cover all the way in until it clicks in place.



To close the Cover, push the Release Button on the back of the Focusing Hood.



ACCESSORIES

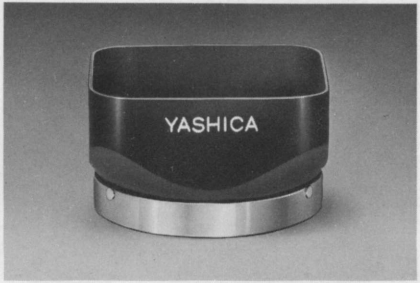
Filter

Available filters for black-and-white films are the UV, Y2 and O2. They are mounted in front of the taking lens of the camera. The exposure needs compensating when the Y2 or O2 filter is employed and so be sure to read through the instructions which come with the filter.



Lens hood

This is used to stop extraneous light from entering the lens when taking pictures outdoors. As with the filters, it is mounted in front of the taking lens of the camera. It is recommended that this lens hood be used at all times in order to protect the lens.



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DEPTH OF FIELD TABLE SCHÄRFENTIEFEN-TABELLEN (in Meter und Fuß)
TABLEAU DE LA PROFONDEUR DE CHAMP TABLA DE PROPUNDIDADES DEL CAMPO

(Meter)

meter \ F No		3.5	4	5.6	8	11	16	22	32
1m	N	0.97	0.97	0.96	0.94	0.91	0.88	0.84	0.79
	F	1.03	1.04	1.05	1.07	1.10	1.16	1.23	1.38
1.2	N	1.17	1.15	1.14	1.12	1.08	1.03	0.98	0.9
	F	1.25	1.26	1.27	1.31	1.35	1.44	1.48	1.79
1.5	N	1.44	1.43	1.40	1.36	1.32	1.25	1.17	1.06
	F	1.57	1.58	1.62	1.67	1.75	1.89	2.09	2.68
2	N	1.89	1.87	1.83	1.76	1.68	1.57	1.45	1.29
	F	2.13	2.15	2.21	2.32	2.46	2.75	3.2	4.41
3	N	2.75	2.71	2.62	2.49	2.34	2.13	1.92	1.65
	F	3.3	3.34	3.5	3.77	4.18	5.08	6.87	16.64
4	N	3.57	3.52	3.36	3.14	2.91	2.59	2.28	1.91
	F	4.54	4.69	4.95	5.51	6.41	8.82	16.08	∞
6	N	5.09	4.98	4.66	4.26	3.84	3.3	2.82	2.27
	F	7.32	7.55	8.42	10.17	13.77	∞ (33.27)	∞	∞
10	N	7.7	7.45	6.76	5.94	5.15	4.23	3.48	2.68
	F	14.27	15.19	19.19	∞ (31.62)	∞	∞	∞	∞
20	N	12.52	11.88	10.22	8.45	6.94	5.36	4.21	3.19
	F	29.77	∞	∞	∞	∞	∞	∞	∞
∞	N	∞ (33.44)	29.25	20.88	14.63	10.64	7.32	5.33	3.66
	F	∞	∞	∞	∞	∞	∞	∞	∞

(Feet)

feet \ F. No.		3.5	4	5.6	8	11	16	22	32
3.3	N	3.21	3.19	3.15	3.09	3.02	2.9	2.78	2.69
	F	3.4	3.42	3.47	3.54	3.64	3.53	4.07	4.28
4	N	3.86	3.84	3.78	3.69	3.59	3.43	3.26	3.13
	F	4.15	4.17	4.25	4.36	4.52	4.8	5.19	5.54
5	N	4.78	4.75	4.66	4.53	4.37	4.14	3.89	3.71
	F	5.24	5.28	5.39	5.58	5.84	6.32	7.01	7.66
7	N	6.58	6.52	6.35	6.11	5.83	5.42	5.00	4.71
	F	7.48	7.55	7.8	8.2	8.76	9.88	11.68	13.62
10	N	9.16	9.06	8.73	8.27	7.77	7.06	6.36	5.90
	F	11.0	11.16	11.71	12.63	14.02	17.14	23.39	32.7
15	N	14.19	13.97	12.3	11.43	10.49	9.23	8.07	7.35
	F	17.38	17.78	19.21	21.82	26.32	40.0	∞	∞
30	N	23.56	22.85	20.86	18.46	16.13	13.34	11.04	9.73
	F	43.92	43.65	53.39	80.08	∞	∞	∞	∞
60	N	38.78	36.91	31.98	26.66	22.06	17.15	13.53	11.61
	F	∞	∞	∞	∞	∞	∞	∞	∞
∞	N	∞ (109.67)	∞ (95.94)	68.49	47.97	34.88	24.01	17.47	14.40
	F	∞	∞	∞	∞	∞	∞	∞	∞