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YASHICA

PLEASE

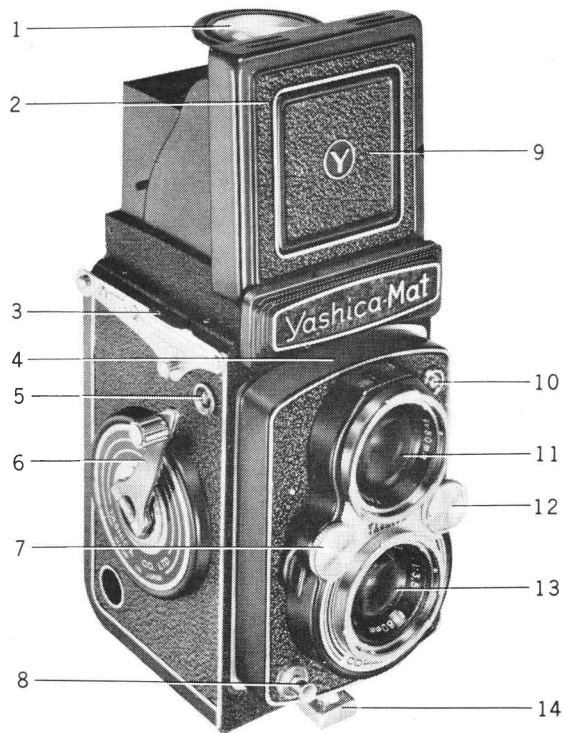
RETURN

YASHICA MAT

INSTRUCTION BOOKLET

66

DESCRIPTION



1. Magnifying Glass
2. Sportsfinder Frame
3. Strap Holder
4. Lens Opening & Shutter Speed Window
5. Film Counter Window
6. Crank
7. Shutter Speed Control Wheel
8. Shutter Release Button
9. Focusing Hood Cover
10. Flash Synchronization Terminal
11. Viewfinder Lens
12. Lens Opening Control Wheel
13. Picture Taking Lens
14. Back Cover Locking Lever

BESCHREIBUNG

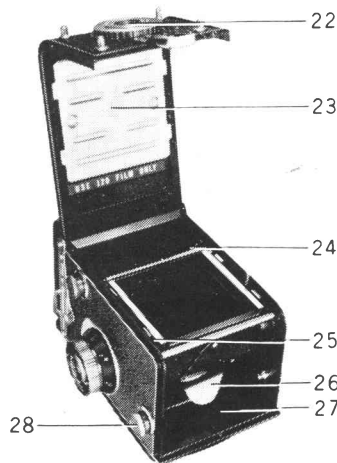
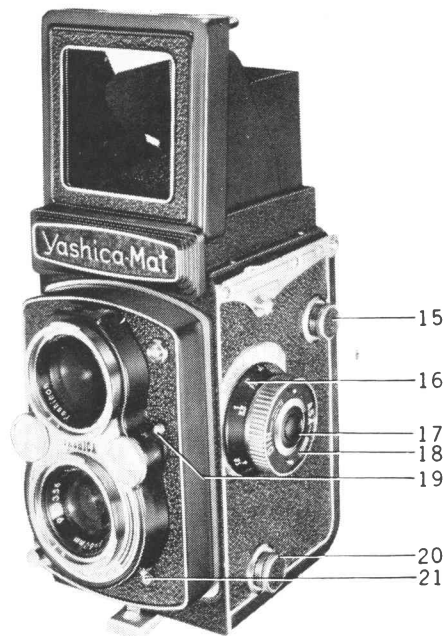
1. Vergrößerungslupe
2. Sportrahmensucher
3. Öse für Tragriemen
4. Sichtfenster für Blenden- und Verschlusseinstellung
5. Filmzählwerkfenster
6. Filmtransportkurbel
7. Stellrad für Verschlusszeit
8. Auslöseknopf
9. Sucherschacht
10. Blitzlichtsockel
11. Sucherobjektiv
12. Blendeneinstellrad
13. Aufnahmeobjektiv
14. Rückendeckelverriegelung

DESCRIPTION

1. Loupe de réglage
2. Cadre du viseur sportif
3. Oeilleton de courroie
4. Indicateur d'ouverture
5. Compteur de vues
6. Manette de réembobinage du film
7. Molette de réglage de vitesse d'obturateur
8. Déclencheur d'obturateur
9. Boîtier de visée
10. Prise de synchronisme du flash
11. Objectif de visée
12. Molette de réglage d'ouverture de diaphragme
13. Lentille de prise de vue
14. Patte de fermeture du fond de boîtier

DESCRIPCION

1. Lente de aumento
2. Cuadro del visor deportivo
3. Enganche para correa
4. Ventanilla de abertura/ velocidad del obturador
5. Ventanilla del contador de tomas
6. Palanquita enrolladora de película
7. Control de velocidad del obturador
8. Disparador
9. Caperuza de enfoque
10. Terminal sincronizador del flash
11. Objetivo de visor
12. Control de abertura
13. Objetivo de toma
14. Palanquita del cierre de la tapa trasera



15. Upper Film Spool Locking Spring
16. Depth of Field Scale
17. Film Speed Dial Window
18. Lens Focusing Knob
19. Synchro Selectro M-X
20. Lower Film Spool Locking Spring
21. Self-timer Lever
22. Back Cover Lock Lever
23. Film Pressure Plate
24. Upper Film Chamber
25. Triangle for Setting Film
26. Film Tension Spring
27. Lower Film Chamber

15. Tiefenschärfenskala
16. Entfernungseinstellknopf
17. Filmempfindlichkeit-Skalen-fenster
18. MX-Synchron-Wähler
19. Selbstauslöser
20. Rückwand Verschlussring mit Stativansatz
21. Filmandruckplatte
22. Obere Filmkammer
23. Marke für Filmanfang
24. Filmspannfeder
25. Untere Filmkammer
26. Untere Filmspulenarretierung

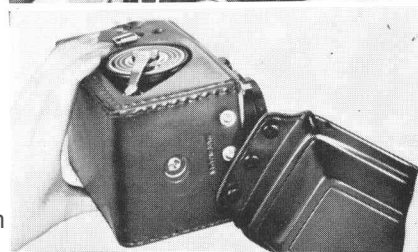
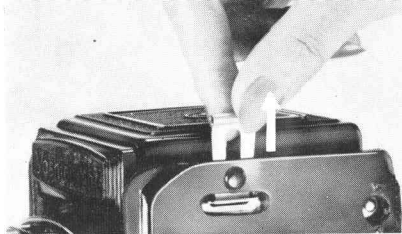
15. Escala de profundidad del campo
16. Perilla de enfoque
17. Ventanilla del disco de sensibilidad de la película
18. Selector del sincronizador M-X
19. Autodisparador
20. Cierre de la tapa trasera con enchufe de trípode
21. Placa de presión
22. Alojamiento de película superior
23. Marca de iniciación
24. Resorte tensor de película
25. Alojamiento de película inferior
26. Perilla sujetadora del carrete inferior

15. Echelle de profondeur de champ
16. Molette de réglage de distance focale
17. Fenêtre de contrôle de vitesse d'obturateur
18. Sélecteur de synchronisme M-X
19. Déclencheur automatique
20. Écrou de pied
21. Plaque presse-film
22. Chambre supérieure de film
23. Entrainement du film
24. Ressort de tension de film
25. Chambre inférieure de film
26. Molette de blocage inférieure du rouleau de film

REMOVING THE CAMERA FROM CASE

1. To remove the camera for film loading raise the two metal Lock Slides.
2. Spread the sides of the case apart and lift the camera free.
3. Just snap off the bottom when removing the entire front element of the carrying case.

Your Yashica camera comes complete with a deluxe, leather eveready case. While the camera is in the case, all working parts are visible and ready to use. All you need to do is open the back-snap and lift the top at the case forward.



ENTFERNEN DER KAMERA AUS DER BEREITSCHAFTSTASCHE

1. Zum Film einlegen, die beiden Metall-Seitenriegel hochziehen und die Kamera herausheben.
2. Die Seiten der Tasche auseinanderspreizen und die Kamera herausheben.
3. Die ganze Vorderseite der Bereitschaftstasche durch Lösen der Druckknöpfe an der Unterseite entfernen.

Ihre Yashica wird komplett mit einer Luxus Leder-Bereitschaftstasche geliefert. Wenn die Kamera in der Tasche ist, sind alle Betriebselemente sichtbar und können betätigt werden. Sie brauchen nur den hinteren Druckknopf zu lösen und den Oberteil der Tasche gegen vorn abzuheben und schon ist die Kamera zur Aufnahme bereit.

POUR ENLEVER L'APPAREIL DE L'ETUI

1. Pour enlever l'appareil de l'étui afin de charger le film, tirer les deux languettes métalliques de fermeture.
2. Ecarter les deux côtés de l'étui et dégager l'appareil.
3. Il suffit de dégrafer le bas pour enlever complètement la partie avant de l'étui.

L'appareil de photo Yashica est livré complet avec un étui en cuir toujours prêt. L'appareil étant contenu dans son étui, tous les réglages sont visibles et prêts à servir. Tout ce qu'il convient de faire est de dégrafer puis soulever vers l'avant le couvercle de l'étui.

MODO DE SACAR LA CAMARRA DE SU ESTUCHE

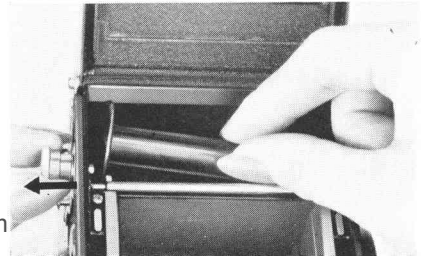
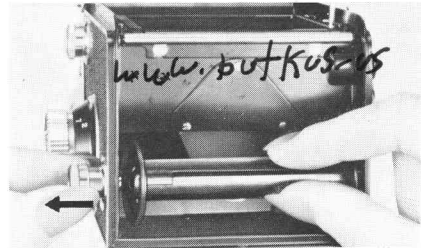
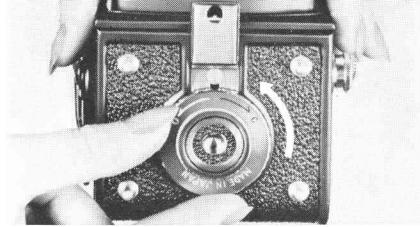
1. Levante los dos cursores metálicos para sacar la cámara desde su estuche.
2. Separe los costados del estuche para dejar la cámara libre.
3. Abra de golpe el fondo para sacar el elemento delantero del estuche de transporte.

Su cámara Yashica viene con un lujoso estuche de cuero. Todas las piezas de funcionamiento son visibles y están listas para funcionar incluso estando la cámara en su estuche. Todo lo que Ud. tiene que hacer es abrir el gancho de resorte y levantar la parte superior en la delantera del estuche.

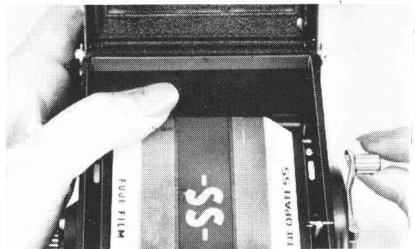
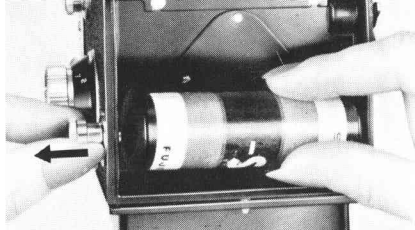
LOADING FILM

120 size film 12 pictures per roll in the popular 2-1/4 x 2-1/4 size Black-and-White or Color.

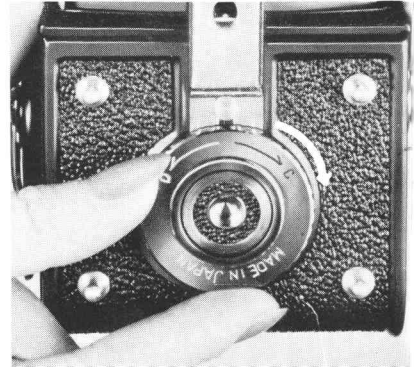
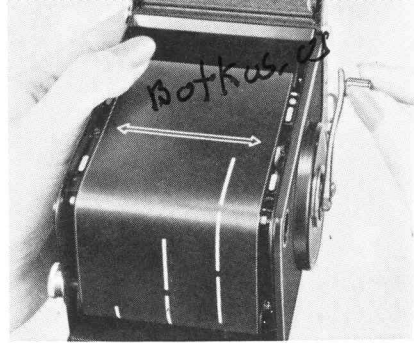
1. To unlock back cover, turn the tripod socket in the direction marked "O". Then open the Back Cover by swinging it out.
2. Remove the Take-Up Spool in the Lower Film Chamber by pulling out the Lower Film Spool Locking Spring.
3. Place the Take-Up Spool in the Upper Film Chamber by pulling out the Upper Film Spool Locking Spring.



4. Place a new roll of 120 size film in the Lower Film Chamber.
5. Flip up the Film Transport Crank and slowly wind it clockwise so that the wider slot of the Take-up Spool in the Upper Film Chamber faces upward. Then gently draw out the film leader and thread it firmly and evenly into the slot.
6. Gently wind the Crank clockwise.



7. Advance the film by slowly winding the Crank until the arrow on the film points to the triangles on either side of the camera body.
8. Close the camera back cover and lock it by turning the Tripod Socket in the direction marked "C". The letter "S" will appear in the Film Counter Window.



CRANK OPERATION

Note :

The Yashica-MAT employs a fine, precision mechanism, constructed to provide years of trouble-free performance. Like any fine instrument it should be treated with care and respect. The following procedures are recommended :

1. Operate the film transport crank gently. It is important that the clockwise, film-advancing stroke of the crank be first completed before it is brought back.
2. In loading the film, be sure that the paper leader is inserted in the take-up spool so that the film will draw evenly.

The shutter should not be kept cocked when the camera is not in use because it weakens the shutter spring, and there is the possibility you may unknowingly press the shutter button and waste a film.

Kurbelswirkung

Anmerkung :

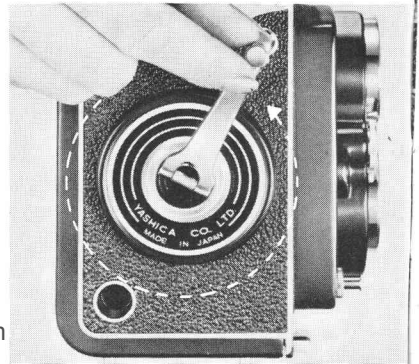
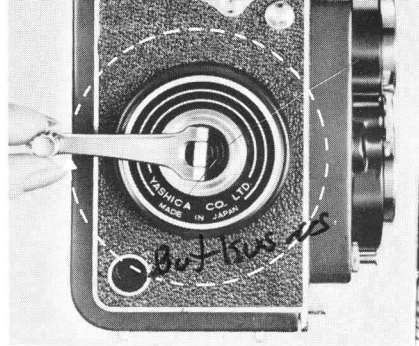
Für die Yashica-Mat ist feinste Präzisionsmechanik verwendet worden, um jahrelange störungsfreie Funktion zu garantieren. Wie jedes andere Präzisionsinstrument sollte die Kamera deshalb mit Vorsicht und Respekt behandelt werden.

Die Folgenden Empfehlungen sollten befolgt werden :

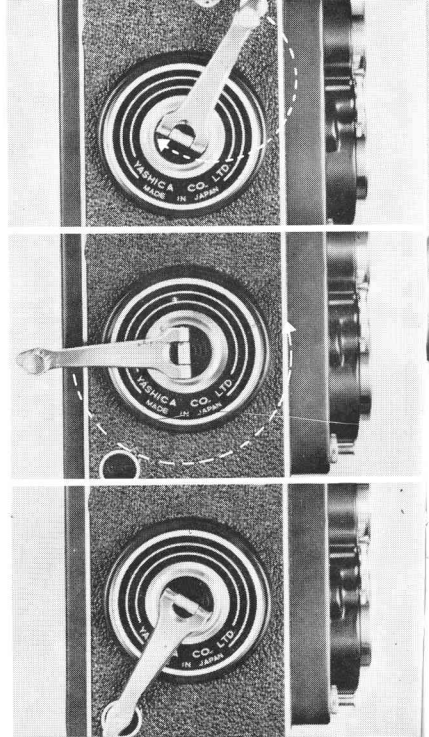
1. Die Filmtransportkurbel vorsichtig betätigen.
Es ist wichtig dass die Filmtransportfunktion in Rechtsrichtung komplett ausgeführt wird, bevor die Kurbel wieder zurückgebracht wird.
2. Beim Filmeinlegen, sicher sehen dass der Filmanfang richtig in der Leerspule eingelegt, ist, damit der Film gerade gezogen wird.

Der Verschluss sollte nicht gespannt bleiben wenn die Kamera nicht benutzt wird, ansonst die Verschlussfeder geschwächt wird und auch die Möglichkeit besteht dass Sie unbeabsichtigt den Verschluss auslösen und so eine Belichtung unbrauchbar wird.

1. Wind the crank clockwise until it comes to a stop. The letter "S" will have disappeared and No. 1 will appear in the Film Counter Window.
2. Then wind the Crank counter-clockwise until it stops. You are ready to snap your first picture. For subsequent exposures, a smooth pendulum swing, first downward to stop and then upward to stop, advances the film and cocks the shutter simultaneously.

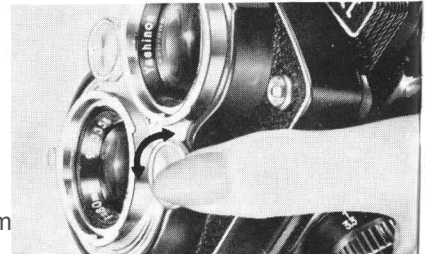
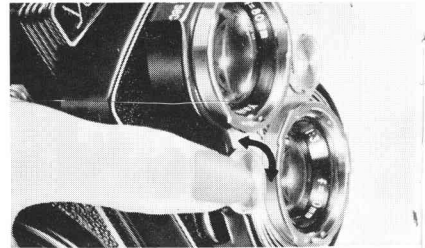
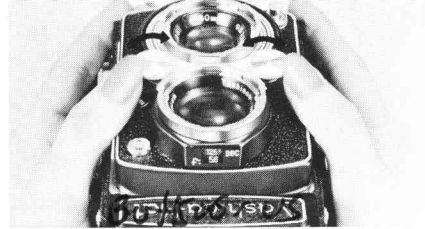


1. The downward wind advances the film and moves up the number of the next film in the Film Counter Window.
2. The upward wind cocks the shutter.
3. This is the position of the Crank when it is flipped back into its rest after your pictures have been taken.



LENS OPENING AND SHUTTER SPEED

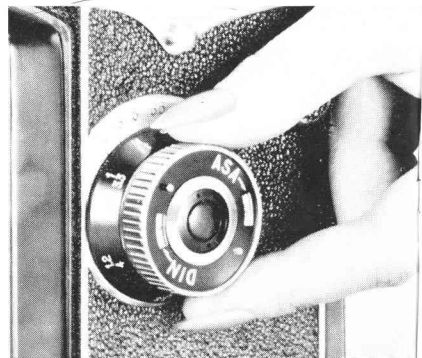
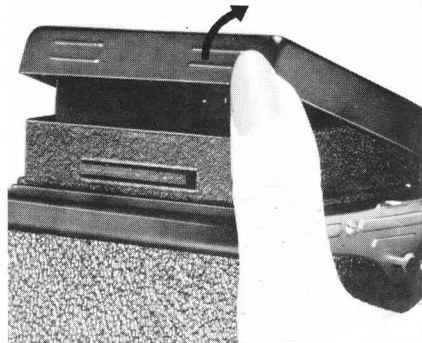
1. The arrow points to the Lens Opening and Shutter Speed Scale Window. The letter "f" on the left of the window indicates lens opening and "sec" indicates shutter speed.
2. The shutter speed is set by turning the Control Wheel with your right-hand thumb either up or down as indicated by the arrow. The red shutter speed figures should be set so that the red line in the window runs exactly through the center of the figures.
3. The lens opening is set by turning the Control Wheel with your left-hand thumb either up or down as indicated by the arrow. The black lens opening figures should be set so that the red line in the window runs exactly through the center of the figures.



SIGHTING THE SUBJECT AND FOCUSING

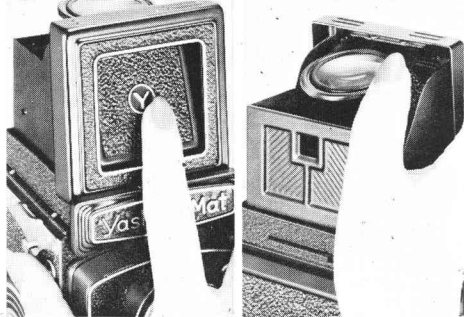
Your Yashica-MAT is a twin-lens reflex camera. The lower lens takes the picture. The upper lens is for focusing and composing on the ground glass viewing screen.

1. Open the focusing hood by lifting it at the back.
2. Rotate the Focusing Knob until your subject on the ground glass screen is sharp. The bright round lens in the center of the ground glass viewing screen enables you to obtain a sharp focus and should be the center of the picture you are composing on the screen. The red lines on the screen help you to judge proportion and proper composition. Compose your subject on the ground glass viewing screen as you would like to see it in the final picture.



MAGNIFYING GLASS

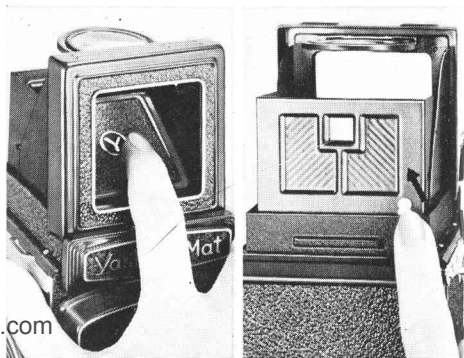
1. Raise the Magnifying Glass by pressing the front of the Focusing Hood Cover inward, holding the Focusing Hood so that it does not close. When using the Magnifying Glass, place your eye as close to the Magnifying Glass as possible.
2. Always make sure that you have first lowered the Magnifying Glass before closing the Focusing Hood.



SPORTSFINDER

Sight your subject through the Sportsfinder Window.

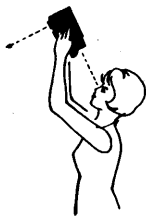
1. Depress the Focusing Hood Cover until it clicks into place. Lift the camera to your eye level.
2. Push the Release Button to close the Hood Cover.



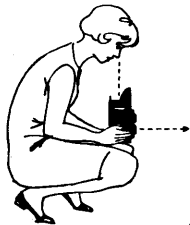
HOLDING THE CAMERA



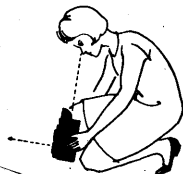
1. Hold the camera, steady, then gently, push the Shutter Release Button.



2. When fences or other obstructions are in your way you can hold your camera over head, focusing and viewing from below.



4. Place the camera steadily on your knee when taking pictures from a lower level.



3. For low objects rest the camera on the ground.



5. Use the Sportsfinder for taking pictures on the eye level.

TAKING FLASH PICTURES

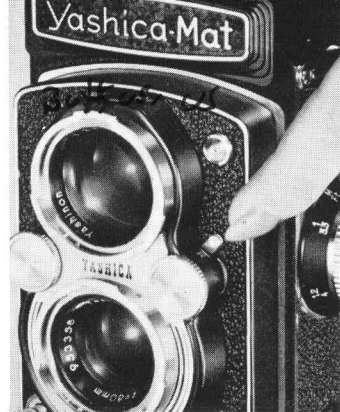
Your Yashica-MAT offers M-X synchronization. Your camera dealer will be glad to supply the proper flash attachment for your camera. As you become proficient at taking pictures, you will want to acquire accessories that increase the versatility of your Yashica-MAT. One of the first accessories you will want will be a flash unit. Your camera is ready and waiting. Synchronization for flash is built-in. A standard PC connector plugs into the flash terminal. The battery case is attached to the camera via an arm that screws into the tripod socket.

Do not use Short Peak Bulb with "M" Synchronization.

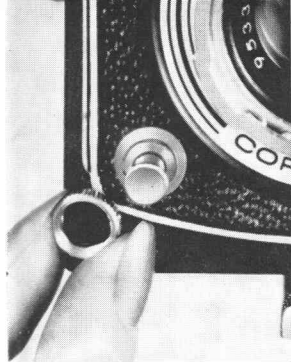
Move the selector to X position when using the electronic flash.

FLASH PICTURES

Correct exposures for flash pictures will be obtained easily and correctly by consulting the guide numbers printed on the package of the flash bulbs. When taking color flash pictures, you may need filters or have to use proper bulbs according to the type of films (Day-light or Tungsten) you are using.



Selector Position	M	X	X
Bulb used	Medium Peak	Short Peak	Medium Peak
Shutter Speed	Any Speed	1/60 or slower	1/30 or slower (When using self-timer)



CABLE RELEASE

A standard, overlap-type Cable Release can be fitted to your camera. Simply unscrew the Shutter Release Ring and screw in the Cable Release. Your camera dealer will supply the proper Cable Release for your camera.

KABELAUSLÖSER

Ein Standard Überlapp-Typ Kabelauslöser kann mit dieser Kamera verwendet werden. Ganz einfach den Verschluss Auslösering herausdrehen und den Kabelauslöser einschrauben. Der passende Kabelauslöser ist im Fachgeschäft erhältlich.

CABLE DE DECLENCHEMENT

Un câble de déclenchement standard à retardement souple peut être monté sur votre appareil. Dévisser simplement la bague du déclencheur d'obturateur et visser à la place le câble de déclenchement. Votre vendeur d'appareils photos pourra vous en fournir un convenable.

DISPARADOR DE CABLE

Se puede acoplar a su cámara un disparador de cable del tipo superposición. Destornille el anillo del disparador y atornille el disparador de cable. Su distribuidor le suministrará el disparador de cable apropiado para su cámara.

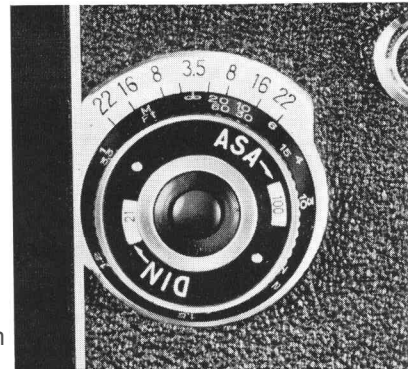
SELF-TIMER

For taking self-portraits or group pictures, you have about 8 seconds to get into the picture. Therefore your camera must be mounted on a tripod or brace to prevent a blurred picture.

Caution! Be sure to move the synchro selector to the X position when using Self-Timer.

ASA SPEED INDICATOR

The ASA speed dial on the focusing knob is to keep record of your film speed. Turn the dial to your film speed number.



In addition to focusing, there are two other basic adjustments: The LENS OPENING and the SHUTTER SPEED.

THE LENS OPENING

The lens opening controls the amount of light that will pass through the lens into the light-sensitive film. Your Yashica-MAT, with its Yashinon lens, offers openings at f/3.5 4 5.6 8 11 16 22.

Notice that the lower the number, the larger the opening. F/3.5 is the largest opening, f/22 the smallest.

To set the lens opening, move the Aperture Control Wheel to the desired number on the Aperture Scale.



f/3.5



f/4



f/5.6



f/8



f/11



f/16



f/22

SHUTTER SPEED

The Shutter Speed controls the duration of the exposure. Shutter speeds on this camera are 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500 of a second and B. The "B" setting is for taking pictures with an exposure longer than 1 second. Use a tripod or brace when using "B" setting. When you press the Shutter Release Button on the "B" setting, the shutter stays open until you release pressure on the button. It is advisable to set the shutter speed before you cock the shutter at all times.

Camera may be Hand Held

Average Pictures
1/30 1/60 1/25

Action Pictures
1/250 1/500

Use a Tripod or Brace

Time Exposure
"B"

Slow Speeds
1 sec. 1/2 1/4 1/8 1/15

VERSCHLUSSZEIT

Die Verschlusszeit kontrolliert die Dauer der Belichtung. Die Verschlusszeiten dieser Kamera sind 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500 einer Sekunde, sowie "B". Die "B" Einstellung ist für Aufnahmen mit einer längeren Belichtungszeit als 1 Sekunde. Bei "B" Einstellung ein Stativ verwenden. Wenn Sie bei "B" Einstellung den Verschlussauslöser drücken, bleibt der Verschluss solange offen bis Sie den Auslöser wieder loslassen. Es ist empfehlenswert die Verschlusszeit vor dem Spannen des Verschlusses einzustellen.

Kamera kann in der Hand gehalten werden

Durchschnitts-
Aufnahmen
1/30 1/60 1/125

Aktions-
Aufnahmen
1/125 1/500

Ein stativ oder eine feste Unterlage verwenden

Zeit Aufnahmen
"B"

Lange Verschlusszeiten
1 Sek. 1/2 1/4 1/8 1/15

EXPOSURE



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Exposure means finding the right combination of lens-opening (aperture) and shutter speed in relation to the sensitivity (ASA) of your film. (ASA indicates American Standard Association). For example, if you are using a film of ASA 200 sensitivity your correct exposure will be according to the following table :

DAYLIGHT EXPOSURE TABLE

Your shutter speed will be 1/125 with aperture numbers shown below.

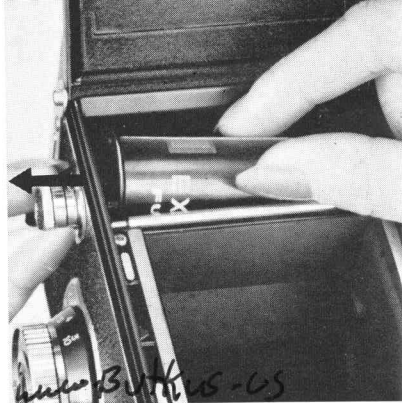
	Bright Sun	Hazy Sun	Cloudy-Bright	Cloudy-Dull or Open Shade (4)
Light Subjects (1)	f/32	f/22	f/16	f/11
Average Subjects (2)	f/22	f/16	f/11	f/8
Dark Subjects (3)	f/16	f/11	f/8	f/5.6

- (1) Light Subjects : Distant landscapes, near-by people with sea, beach and snow scenes in the background.
- (2) Average Subjects : Near-by people, houses, gardens, buildings and places not in the shade. Advisable to use this class when light and dark objects are in about equal proportions.
- (3) Dark Subjects : People in dark clothing ; trees, flowers, animals and large buildings.
- (4) Open Shade : Subjects shaded from the sun but lighted by a wide area of open sky. The less the open sky the larger the lens opening.

If you are using an ASA 100 film, you will make a larger lens-opening or lower your shutter speed (1/60) sec. But if you never want to make a mistake, use an exposure meter. Be sure to consult your local camera dealer.

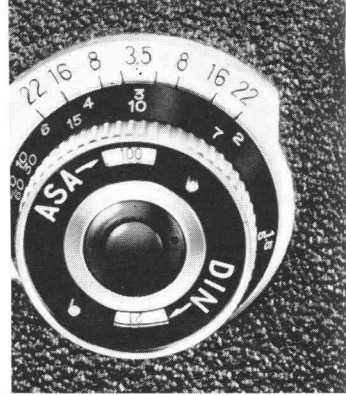
UNLOADING FILM

After all 12 pictures have been taken, wind the Film Transport Crank about 6 times to take up the remaining film. Sometimes the crank may catch when the film comes to the end of the spool. In that case, don't forcefully turn the crank ; just open the camera and remove the film. The tail end of film has stuck to the slot of the spool.



DEPTH-OF-FIELD

When you focus the camera on a subject there is a certain distance in front of and back of the subject within which other objects will also appear sharp. This is known as the "Depth-of-Field," and it varies with the lens aperture. The smaller the aperture, the greater the Depth-of-Field. If the camera is focused at 10 meters and the lens aperture is $f/16$, the Depth-of-Field (area in which all objects are sharp) is from about 5 meters to infinity.



FILTERS

Your Yashica-MAT accepts slip-on type lens shades and bayonet type filters. A complete range of filters and supplementary lenses are available in the popular bayonet 30 ϕ in size.

Initially, you will find a yellow filter ideal for bringing out clouds in landscape pictures and for general uses. As you become more advanced, you may want to use various filters, such as orange, green, etc. for different effects. Your camera dealer will give you complete information.

FILTRES

Vous pouvez monter sur votre Yashica Mat un pare soleil à emboîtement et des filtres à bayonnette. Une gamme complète de filtres et de lentilles complémentaires sont disponibles suivant le type à bayonnette de 30 ϕ .

En premier lieu, il sera utile de vous munir d'un filtre jaune idéal pour faire ressortir les nuages dans les photos de paysage et d'utilité générale. A mesure que vous progresserez dans l'art, vous trouverez avantage à utiliser différentes sortes de filtres tels que, orange, vert, etc. pour des effets spéciaux. Votre vendeur habituel pourra vous fournir des renseignements supplémentaires.

FILTER

Aufschiebbare Gegenlichtblenden und Bajonett-Typ Filter können mit Ihrer Yashica-Mat verwendet werden. Eine komplette Auswahl von Bajonett-Typ Filtern und Zusatzobjektiven in der beliebten 30 ϕ Grösse sind lieferbar.

Zu Beginn ist ein Gelbfilter ideal zum Verstärken von Wolken in Landschaftsaufnahmen und für verschiedene andere Zwecke. Wenn Sie mit der Zeit bessere Aufnahmen machen, werden Sie bestimmt verschiedene Filter wie grün, orange usw. Für verschiedene Effekte verwenden wollen. Ihr Kamera Fachgeschäft kann Ihnen darüber detaillierte Auskunft geben.

FILTROS

La Yashica-Mat acepta sombreador de objetivo tipo deslizable y filtros del tipo bayoneta. Un juego completo de filtros y objetivos suplementarios de bayoneta popular de 30 ϕ está a su disposición.

Al principio, Ud. encontrará un filtro amarillo que es ideal para fotografías de paisaje y para usos generales. A medida que vaya adquiriendo conocimiento fotográfico, deseará poseer varios filtros; anaranjado, verde, etc., para lograr efectos diferentes. Su distribuidor de cámaras de

Bobs-Voigtlander Bessamatic
mine-Minolta 550

Anthony J. Todd
12/16/71

JULIAN Cohan

Y YASHICA CO., LTD. TOKYO, JAPAN

■ YASHICA INC., 50-17 Queens Blvd., Woodside, N.Y., 11377 U.S.A.

■ YASHICA EUROPE G.m.b.H., 2 Hamburg 28, Billstrasse 28, West Germany

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