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Rolleimat F

in der Praxis
in practical use
dans la pratique
nell'uso pratico
en la práctica
in de praktijk



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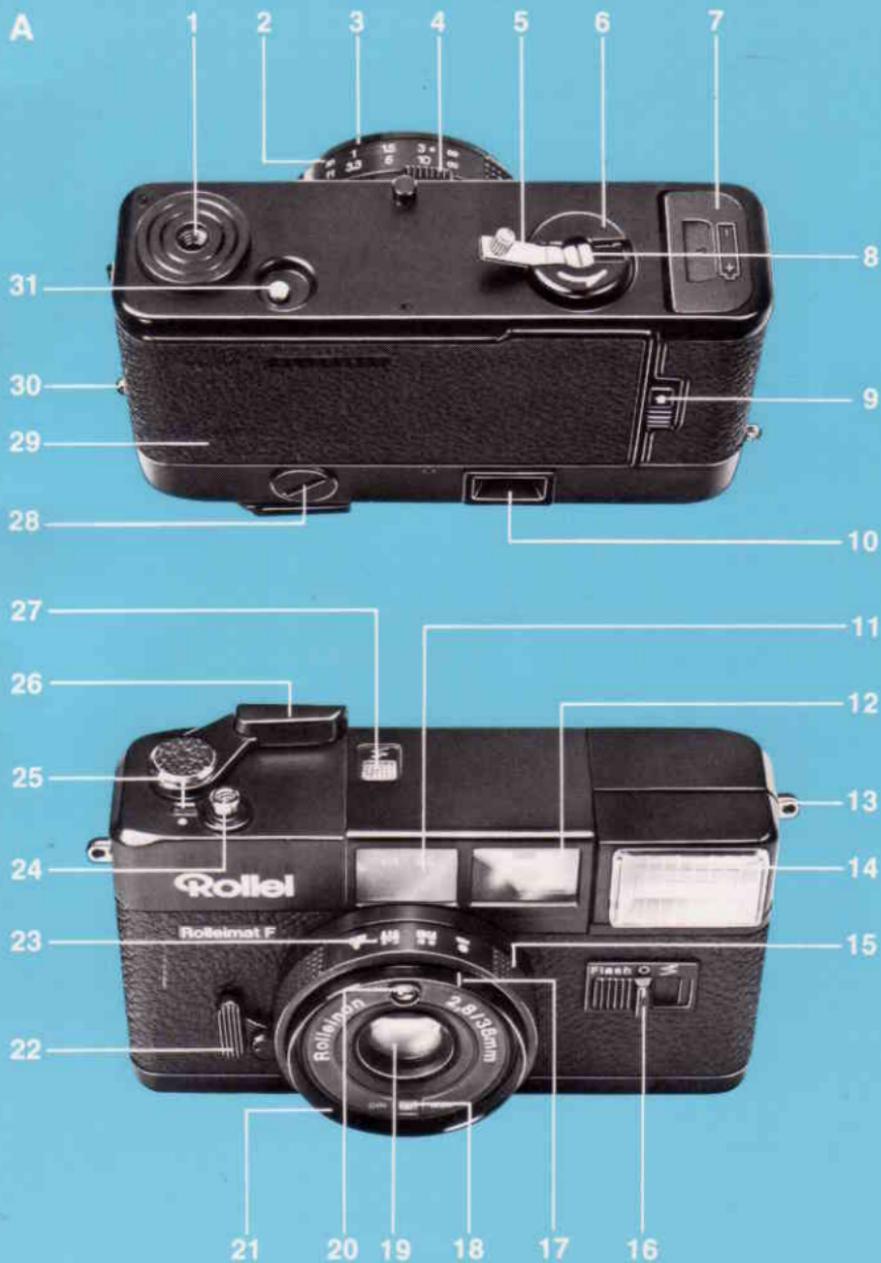
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Bij het lezen de eerste en de laatste zijden van het omslag uitvouwen.



Individual parts and function (→ Fig. A)

- | | |
|--|---|
| 1 Tripod socket 1/4" | 22 Self-timer lever |
| 2 Focusing scale in m (green) and ft (white) | 23 Zone scale |
| 3 Focusing index in m and ft | 24 Shutter release, with thread for cable release |
| 4 Adjustment lever for film speed | 25 Frame counter |
| 5 Rewind crank | 26 Rapid wind lever |
| 6 Rewind knob | 27 Ready signal for flash unit, external |
| 7 Cover for flash unit battery chamber | 28 Cover for light meter battery chamber |
| 8 Rewind spindle | 29 Camera back |
| 9 Locking catch for camera back | 30 Eyelet for wrist strap, right-hand |
| 10 Viewfinder eyepiece | 31 Rewind lock |
| 11 Bright frame window | 32 Take-up spool |
| 12 Viewfinder window | 33 Take-up slot |
| 13 Eyelet for wrist strap, left-hand | 34 Sprocket for film advance |
| 14 Flash reflector | 35 Parallax mark for framing subject in close-ups |
| 15 Focusing ring with zone and distance scale | 36 Meter indicator needle |
| 16 Slide switch for flash unit | 37 Aperture scale for exposure reading |
| 17 Index for zone scale | 38 Underexposure warning area |
| 18 Window for DIN/ASA reading | 39 Ready signal for flash unit, in viewfinder |
| 19 Lens | |
| 20 CdS cell for light metering | |
| 21 Thread for lens hood, filter or close-up lens | |

Parts 32–39 → figs. B–S, Page 68–69

Crash course for the first film

Insert the batteries

For light meter: Using a coin, turn cover 28 anti-clockwise to remove and insert battery supplied with camera with + pole upwards → fig. B. Screw cover tight.

For flash unit: Slide cover 7 in direction of arrow and lift up. Insert batteries supplied with camera into battery chamber according to pole diagram → fig. C. Close cover and press down.

Insert the film

Slide catch 9 in direction of arrow and open camera back 29. Insert film cartridge and push film leader into take-up slot 33 → fig. D. Close camera back until it clicks into place. Cock and release alternately → fig. N, until frame counter 25 reaches ·1· → fig. E.

Set the film speed

Remove protective lens cap. Turn adjustment lever 4 until DIN/ASA speed appears in window 18 → fig. F.

Focus the camera

Using either zone scale 23 → fig. G or focusing scale 2, zone set is visible in viewfinder. When shooting with flash see focusing table on page 19.

Line up the subject

Keep subject within bright frame, meter needle 36 (for shots without flash) outside red warning area 38 → fig. H.

If needle is in red warning area,

as in fig. K, available light is too weak: slide switch 16 to ⚡. Flash unit springs into shooting position → fig. P. Red signals 27 and 39 indicate that flash is ready for shooting → fig. Q.

Take the picture!

Hold camera steady and without tilting → fig. L and M. Press shutter release 24. Wind film on → fig. N. Turn off flash unit by pushing it down.

Before taking the first picture

Insert the batteries

as described on page 17 (if the photographic dealer has not already done so).

Remove the protective lens cap

and keep in a safe place; when the camera is not in use, the cap must always be replaced to conserve the light meter battery and protect the lens and measuring cell from dust.

Insert the film

The camera takes 35 mm films (Type 135) in cartridges for 12, 20, 24 or 36 exposures. The film must be inserted at least in the shadow of your body, not in direct sunlight.

Release camera back with slide catch 9 and lift up. Push out rewind knob 6 and insert film cartridge. Turn rewind knob with crank 5 until it engages with film cartridge and then push in fully.

Turn take-up spool 32 until one of the take-up slots 33 is facing upwards. Push film leader into this slot → fig. D. Alternately press shutter release 24 and advance film with rapid wind lever 26 → fig. N, until perforations on both sides (!) of film are running on sprocket 34. Close camera back until it clicks. Again alternately press shutter release and wind until frame counter 25 reaches ·1· → fig. E.

Set the film speed

Using adjustment lever 4, adjust camera to film speed until DIN/ASA value clicks in window 18 – DIN speed in red, ASA speed in white → fig. F. For 25 DIN/250 ASA the setting should be 24 DIN/200 ASA.

Attach the wrist strap

It ensures that the camera is always ready to hand and hangs comfortably from your wrist. The strap can be attached to eyelet 13 or 30 as required.

Before each exposure

Frame your subject

Hold camera as in figs. L or M and slip carrying strap over your wrist to steady the camera. Hold your eye close to viewfinder eyepiece 10, taking care not to cover viewfinder windows 11 and 12 and measuring cell 20.

Frame subject so that it lies completely within bright frame of viewfinder → fig. H. Area surrounding bright frame makes it easier to follow fast-moving objects.

At close range from 1 to 3 m (3.3 to 10 ft): frame subject only up to parallax mark 35 → fig. K.

Exposure reading

Sufficiently bright exposure light is indicated by meter indicator needle 36 on scale 37 → fig. H: needle between 2.8 and 22. If exposure light is insufficient, indicator needle remains in red warning area 38 → fig. K: use built-in flash unit → Tip ⑥.

Focusing

Using zone scale 23 → fig. G, on „Portrait – Group of 2 – Group of 3 – Landscape’’: set chosen symbol on index 17 for external setting – for internal setting through viewfinder turn this symbol with ring 15 close to red warning area.

Using focusing scale: measure or estimate distance between camera and subject and set this value with scale 2 to index 3 → fig. A.

Clearly audible clicks with symbols for groups of 2 and 3 persons as well as for 1.5 and 3 m (5 and 10 ft) ensure rapid and exact setting.

Take the picture!

Hold camera steady without tilting. Press shutter release 24 fully down → figs. L and M.

With self-timer

Screw camera onto tripod using socket 1 or use a firm base. Move lever 22 down to stop to tension → fig. O. Press shutter release as above, delay time approx. 10 sec.

With cable release

Use a tripod or a firm base here, too; screw cable release into shutter release 24.

After each exposure

Pull rapid wind lever 26 through to stop and allow to spring back. Frame counter 25 indicates number of exposures taken.

After the last exposure

Fold out rewind crank 5 and engage with square end of rewind crank spindle 8 → fig. R. Press rewind lock 31 briefly and turn crank in direction of arrow until no more tension can be felt (rewind lock 31 springs out again on next film advance).

Release camera back with slide catch 9 and lift up → fig. S. Pull rewind crank 5 to stop and remove film cartridge. Film should be removed at least in shadow of your body, avoiding bright sunlight and entry of dust.

Exposed films (specially colour films) should be developed as soon as possible, since they can only be stored for a limited time.

Tips for using your camera

① Batteries

For the light meter:

One 1.35 V mercury battery is required such as Mallory PX 675, Eveready 675, National H-C or a battery of similar quality made by another manufacturer.

Remove cover 28 with a coin → fig. B. Clean new battery with a cloth to remove any oxide coating. Insert battery (with positive pole to positive symbol on cover); hold battery only on the rim, do not touch back or front. Replace cover and screw down tight.

Battery check: turn camera towards a bright light source – meter needle 36 must be clearly seen to swing upwards → fig. H. Battery life is 1–2 years, although it is advisable to change it every year. Replacing the lens cap when the camera is not in use saves battery power, as the light meter then ceases to function.

For the flash unit:

Two 1.5 V alkali-manganese batteries type AA are required such as Varta 4006, Mallory MN 1500, National AM 3 or others of similar quality. Slide cover 7 in direction of arrow and open → fig. C. Insert batteries according to pole diagram in battery chamber. Close cover and press

tight in opposite direction to arrow.

Battery check: Slide switch 16 from \circ to \nearrow . After a few seconds red signal 27 lights up to show sufficient battery power. If batteries do not have sufficient power there is a delay before red signal lights up or it fails to light → also Tip ⑥. Discharged batteries must always be replaced as a pair, never singly.

② For carrying the camera

a wrist strap and carrying case are provided. After the strap has been attached → page 14, the end of the strap is drawn outwards through the opening of the case. When the case is pushed back, the camera is ready for use.

③ Filters

change the image reproduction by emphasising the colour of the filter and subduing the complementary colour. Further details are given in the information sheet supplied with every filter.

The filter should be screwed not too tightly into thread 21. Measuring cell 20 receives only filtered light so that exposure adjustments are unnecessary.

④ Lens hood

It is always advisable to use a lens hood:

Lens 19 and measuring cell 20 are protected not only from direct light sources and flare but also from fingermarks, rain or snow; the brilliance and sharpness of the pictures are improved.

Screw lens hood into thread 21 – it is available from specialist dealers (M46 × 1).

⑤ Close-ups

at a distance of less than 1 m (3.3 ft) require a close-up lens screwed into thread 21. These are available from specialist dealers (thread M46 × 1; used according to manufacturer's instructions).

⑥ Flash exposures

Slide switch 16 from \circ to ⚡ : flash unit is extended and switches on automatically \rightarrow fig. P. Red signals 27 and 39 show when flash is ready for use. When batteries are new and the flash is in continuous use, signals light up after approx. 7 sec, although this can take a few seconds longer on initial use of flash or at low temperatures. If batteries are low, red signals only light up after about 30 sec or not at all.

For upright photographs, flash reflector 14 must be held upwards to avoid undesirable shadows \rightarrow fig. M.

The built-in automatic flash control ensures correct exposure depending on film speed in following distance ranges:

DIN	15-17	18-19	20-21	22-25	26-28
ASA	25-40	50-64	80-100	125-250	320-500
Distance m	1-3	1-4	1-4.8	1-6.6	1.5-10.6
Distance ft	3.3-10	3.3-13.1	3.3-15.7	3.3-21.7	5-34.8

Focus the camera with ring 15 within these ranges only. 4.8 m for 20/21 DIN (15.7 ft for 80/100 ASA) film is marked by a green spot; for 6.6 m and 10.6 m (21.7 ft and 34.8 ft) the ring is set accordingly between \bullet and ∞ .

After the photograph has been taken, push the flash unit back into the camera (switch 16 changes in \circ position automatically) to conserve the batteries. Around 250 flashes can be obtained with 2 new alkaline-manganese batteries.

Fill-in flash in daylight

For against-the-light shots and/or when the foreground is too dark, a fill-in flash lightens shadows and improves the illumination of the foreground.

Focusing for these shots e.g. with 21 DIN (100 ASA) film: with illuminated background 1 to approx. 3 m (3.3 to approx. 10 ft), at twilight or with cloudy sky 3 to approx. 5 m (10 to approx. 16 ft) see \bullet mark on m scale.

⑦ Maintenance and care

Clean the camera and accessories at shorter or longer intervals depending on frequency of use: clean external parts with a soft cloth, glass parts with lens cleaning paper. Dust must be removed from all internal parts with a soft brush.

Batteries should be removed if the camera is not used for longer periods.

Protect camera from sand, water, bright sunlight and shocks; when the camera is not in use it should be kept in the carrying case with the lens cap on.

The international Rollei service organisation with many contractual and affiliated photographic repair workshops and the Rollei dealers throughout the world can offer the correct service for your Rollei and help you with all questions relating to photography.

* with new alkali-manganese batteries

Technical modifications and inclusion of accessories reserved.

Facts and figures

Type: 24 × 36 mm viewfinder camera with automatic CdS programmed exposure system and built-in electronic flash unit.

Features: Rapid film loading system, forward counting frame counter with automatic zeroing, rapid film advance with lock to prevent double exposures and overwinding; bright frame viewfinder 0.48 x with parallax mark, aperture scale, underexposure warning area and flash ready signal; central behind-the-lens shutter, cable release thread, self-timer, 1/4" tripod socket, carrying eyelets.

Exposure automation: Electronic exposure control from 1/350 sec/f 22 to 1/60 sec/f 2.8; adjustable film speeds 15–28 DIN/25–500 ASA; CdS cell near lens, effective even when filter is used; measuring range EV 9–17 (64–16300 cd/m²) at 100 ASA/21 DIN; power supply by one 1.35 V mercury battery.

Lens: 38 mm Rolleicon 1:2.8 with helical mount, 4 components/3 elements; focusing by click-in zone symbols or m/ft scale from 1 m/3.3 ft, selected zone symbol visible in viewfinder; filter thread M46 × 1.

Electronic flash unit: Guide number 12 (39) and operating range 1–4.8 m (3.3–15.7 ft) at 21 DIN (100 ASA), recycling time approx. 7 sec*, double ready indicator, number of flashes approx. 250*; "Flashmatic" system, in shooting position automatically switched on and connected to exposure programme; spring-loaded extendable reflector; power supply by two 1.5 V alkali-manganese batteries.

Dimensions: approx. 135 × 54.5 × 77 mm (5.31 × 2.15 × 3.03 in).

Weight: approx. 380 g (13.40 oz) without batteries.

Accessories: Protective lens cap, carrying case, wrist strap.

