Rolleiflex 6008

professional SRC 1000

Rollfilm reflex technology of the future

Rollei fototechnic

Made in Germany

A new era in rollfilm reflex photography

Rollei's history is rooted both in tradition and in progress. Tradition alone may lead to stagnation; new approaches give it the force of advanced ideas. Rollei's development ran from the legendary twin-lens reflex via the Rolleiflex SL 66 with its built-in tilting bellows, and the Rolleiflex SLX, a sensation at that time, to the Rolleiflex 6006. Since its appearance in 1983, this camera has been the most sophisticated 6 x 6 cm SLR camera on the market. It ideally combines the advantages of the rollfilm format with fully professional features and unique handling convenience. Having presented this concept, Rollei then listened to feedback from professional users to develop the Rolleiflex 6008 professional. It retains all the features that brought the 6006 universal acclamation but adds new ideas and new technology to meet more advanced needs of today's photographers. The result is the last word in rollfilm reflex camera versatility and convenience. All functions are designed to help the photographer in coping with difficult subjects and with new applications extending to electronic image processing in digital photography and repro work.

And because function and handling convenience are concurrent at Rollei, it was only logical that in 1992 these latest system advances be optimally incorporated into the Rolleiflex 6008 professional SRC 1000. For this camera is the new top model of the Rolleiflex 6000 system and the most universal rollfilm SLR in the market.

● TTL exposure metering in the camera body – the only way of maintaining the same exposure readings with all alternative finders and lens attachments.

● A choice of aperture-priority, shutter speed-priority and programmed AE, plus manual meter-assisted settings.

● Three metering modes. Centre-weighted multi-zone measurement, spot readings and multi-spot computation.

● AE lock, exposure correction and automatic bracketing sequences for tricky subjects.

● Built-in provision for multiple exposures.

● Switchable finder display of main exposure data.

● Flash-synchronised shutter speeds from ⅟₁₀₀₀ to 30 sec via leaf shutter lenses incorporating direct-drive technology.

● Professional TTL flash exposure control, exclusive studio flash metering (average and spot readings) with the FM 1.

● Interchangeable finder systems and focusing screens.

● Motorised film transport, and sequences at 2 frames per second.

● Handy action grip for a best camera hold in any situation (in 2 versions).

● Professional interchangeable film magazines with film speed input, built-in laminar drawslide, preloadable film inserts and time-saving, automatic film loading and windup.

● Top-class Carl Zeiss lenses with "classic" fixed focal lengths from 30 to 1000 mm.

● Exclusive range of Schneider Kreuznach lenses, with state-of-the-art, super high-aperture lenses, high-performance zoom and shift/wide-angle systems, plus special apochromatic lenses.

● Extensive accessories range for all pictorial applications.

● Equipped to serve as the camera component for Rollei photogrammetric systems and digital image processing (ScanPack).

The Rolleiflex 6008 professional is today the most comprehensive rollfilm SLR camera system on the market. You don't have to buy and assemble separate components. The motorised film transport is as much part of the camera as TTL exposure metering. The rechargeable NC battery comes with the 6008, as does the rapid charger and the action grip. It is Rollei's pride to supply its cameras complete, ready to run and of superb value. You cannot fail to notice that, as soon as you compare Rollei features with those of other cameras. And many of the latter may lack important facilities.

Every development involves changes in the camera and equipment – an inevitable aspect of progress. But

despite the substantial improvements in the Rolleiflex 6008 all accessories remain compatible. They either work as they are or they are convertible or usable with minor operating restrictions.

On the other hand all current Rolleiflex 6008 accessories (with the exception of the PQS lenses) are usable on the 6006 and 6002. For from the outset this camera system was planned for the future!

Rolleiflex 6008 priorities are quality and reliability

A professional camera has to stand up to daily heavy-duty use. That is why quality and reliability are top priorities in the Rolleiflex 6008 professional. It uses mechanical and electronic features according to whichever does a particular job better: mechanical precision engineering where items have to move and latest electronic systems for exact control and minimum wear.

Thus the camera body is an exceptionally tough special aluminium alloy casting. Mechanical drives involve carefully matched gears of bronze/beryllium and carbon fibre reinforced plastic. However, in the shutter and iris diaphragm, direct-drive linear motors replace sluggish springs, gears and levers subject to wear. The direct drives provide precise and inertia-free control of aperture and exposure time. Modern integrated circuits and microprocessors – essential for many faster and easier handling functions – coordinate all camera operations.

Workmanship standards are equally high. Top quality permits no compromise, so Rollei production methods combine latest computerised fabrication with ultra-skilled manual operations. Then every camera undergoes extensive electronically monitored quality and performance checks. These include extreme temperature cycling, shock and vibration tests to simulate heavy use conditions.

The Rolleiflex 6008 professional is thus a camera of unique features and versatility, easy operation and exceptional quality. This universal rollfilm SLR offers faster, wider-ranging and more reliable shooting.

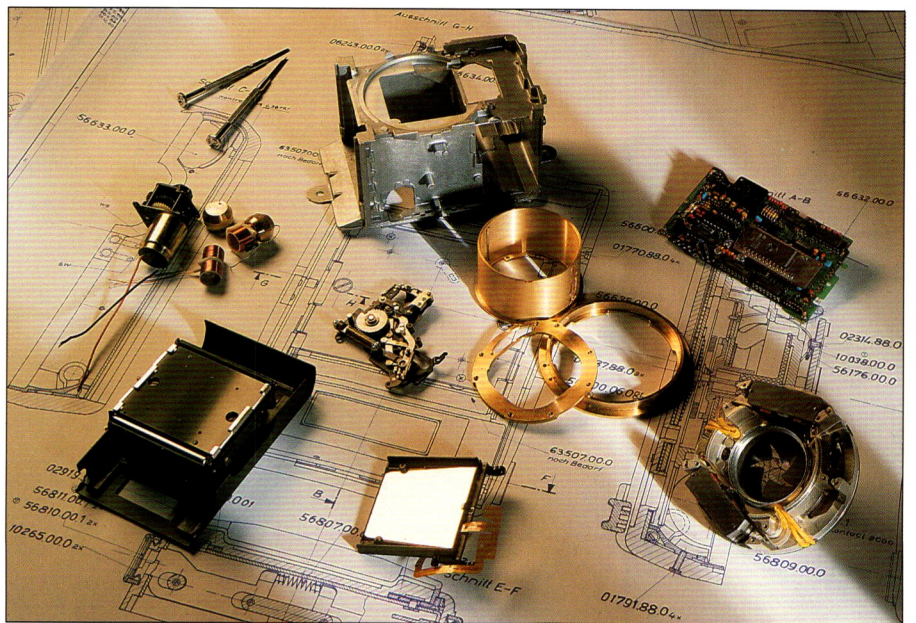## Prestigious awards confirm the pace-setting camera concept

Major design centres attested this camera's innovative design and high value-in-use. Rating criteria were creative quality and value-in-use, as well as safety and environmental aspects.

design center stuttgart 89

HiF
haus industrieform essen 89

Readers of "Color Foto", the well-known German photographic magazine, chose the Rolleiflex 6008 professional as the best rollfilm SLR camera of 1989, 1990 and 1991.

Color FoTo LESERWAHL
1991
DIE BESTE MITTELFORMAT-SLR KAMERA
FoTo WAHL 90 BESTE MITTELFORMAT-SLR KAMERA
FoTo WAHL 89 BESTE MITTELFORMAT-SLR KAMERA

Perfect for professional pictorialism

① Interchangeable magazine, taking pre-loadable film inserts; with film speed input into camera, frame counter and built-in laminar drawslide

② Film speed setting (ISO 25/15° to 6400/39°)

③ Magazine release buttons

④ Carrying strap fixture

⑤ Stopdown key for depth-of-field preview

⑥ Main switch (OFF, single, continuous, auto-bracketing)

⑦ Folding finder hood with large interchangeable magnifier

⑧ Metering and AE lock key (with spring action and lock); switches on viewfinder display for 20 sec

⑨ Shutter speed dial, also sets aperture-priority AE and unlocks action grip

⑩ Release for shooting with action grip

⑪ PQ (professional quality) or PQS-type lens with built-in leaf shutter for full-aperture metering in all modes. Two direct-drive linear motors with microprocessor control drive the iris setting and shutter

12 Second release with lock on camera front

13 Removable ergonomic action grip with adjustable strap, engages in four positions (for shooting with the folding hood or with the 45° or 90° prism finders)

14 On/off switch for LED display in finder

15 Behind action grip when mounted: 14-pole universal outlet with securing thread, for remote releases and external control units

16 Magazine back opening button

17 Operating bar for laminar drawslide when changing magazines

18 Hot shoe with main synch contact and dedicated contacts for TTL flash control with appropriate flash units (SCA 300 system)

19 Cable release socket

20 Mirror prerelease for special subject setups

21 Metering mode selector (centre-weighted multi-zone, spot and multi-spot readings)

22 Finder hood release

23 Multiple-exposure switch (disengages film transport)

24 Exposure correction setting (– 4 ⅔ to + 2 EV in ⅓ EV steps)

25 X synch socket for coaxial synch cord

26 Rechargeable NC battery with safety interlock and overload protection

27 Quick-release catch for lens

28 Control ring for automatic aperture and manual aperture setting

5

The finder: For composition and exposure monitoring

The large bright screen image shows you beforehand what the picture will look like. So you can concentrate on the composition. Alternative finder systems and interchangeable focusing screens provide best viewing for any subject.

The finder also signals main camera settings: Aperture and shutter speed, correct exposure in manual mode, exposure correction, metering mode and – when appropriate – flash ready and auto check signals plus low-battery warning.

You have everything in view and everything under control. The displays surround the finder frame but don't intrude into the view on the screen. If at any time you don't want the display (e.g. if light conditions are constant during a shooting sequence) you can switch it off.

Clear digital LEDs show the aperture and shutter speed – whether set by the user or the camera's AE system. Additional dots indicate ⅓ steps between the digital values.

In manual mode a row of nine LEDs tells you whether your selected aperture/speed combination yields a correct exposure (central green LED), or whether the exposure is under or over, and by how much (± ⅓, ± ⅔, ± 1 or more than ± 2 EV). In modes that involve any manual presetting, you can adjust both the aperture and the shutter speed in ⅓ steps.

The right-hand end of the LED line signals the use of exposure corrections, memory lock and spot readings.

R. Lohmann

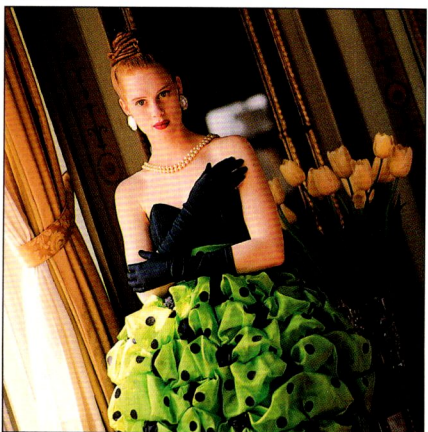# Flexible, high-performance metering for perfect exposure control
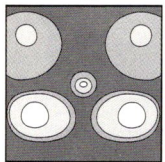

A. Henkel

A. Henkel

P. Kaus

It goes without saying that the Rolleiflex 6008 features TTL exposure metering where light is measured directly through the lens. Although TTL metering is now considered to be state-of-the-art, it's here that the Rolleiflex 6008 takes the decisive lead in rollfilm camera technology. Firstly, the measuring elements and microprocessors are built into the camera body. This ensures that automatic exposure control is fully retained with all finder attachments and in any combination. Secondly, there's the unusually high number of 7 silicon cells for recording the measured light. Another cell compensates for stray light and ensures a reliable reading even in extremely light surroundings.

Finally, the way a reading is displayed and converted into exposure functions is vital to user convenience. And it's typical of the practical 6008 concept that the values in the information display are shown as settings, just as they have been computed by the automatic exposure control mode you are using. However, it's also important that the metering system is flexible enough to cope with extreme contrast or individual requirements. That's why the Rolleiflex 6008 gives you a choice of three metering modes.
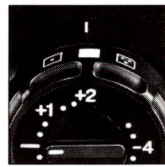
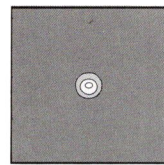## Fast and universal: Centre-weighted multi-zone readings

Due to an ingenious weighting of the metering zones, a correct reading is always ensured even in critical lighting conditions. So, it would be completely justified to call this the standard mode. Since the top third of an image is usually brighter than the rest, but should not be decisive for the image centre, its readings are weighted lower than those for the other zones. Above all, though, centre-weighted multi-zone metering offers the speed that one would expect from automatic exposure (AE) control.

Deliberate accentuation: Spot readings exactly where you want them

In trickier lighting setups, for instance with strong backlight or subjects against a bright or dark background, a spot reading measures the subject on its own. With the standard lens, this covers an angle of just 3° (1% of the image area). That means metering precision for really individual pictorial control. The split wedge circle in the screen centre clearly defines the spot area. If you want to read a subject outside the image centre, the AE lock holds the reading and automatically applies it to the exposure.

Multi-spot: For convenient control of contrasting areas

The Rolleiflex 6008 is the only rollfilm SLR to achieve an optimum combination of meticulous metering precision and user convenience. Whereas the measuring points are defined in the centre-weighted multi-zone mode, and the spot mode is restricted to one reading, the multi-spot mode allows perfect automatic control of contrasting areas. It's fast, logical, easy to use, universal, and without complicated zone definitions. The exposure is matched precisely to the subject contrast on the basis of 5 selected image point readings, from which a mean exposure value is computed and shown in the display. Using this method, it is easy to precisely control the zone which can still be coped with by the film's scope of contrast. Of course, special effects are also possible. Finally, the mean exposure value can be stored by pressing the AE lock key. All in all, it represents a step further in creative photography, enabling special applications, such as zone measurements, to be handled with versatility and convenience.

Different photographic situations require different exposure control modes

P. Kaus
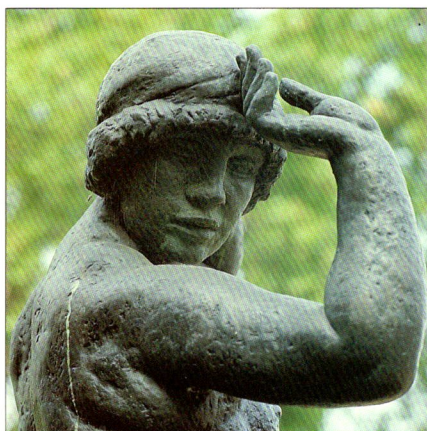
H. Hacker

The "right" automatic exposure mode depends on the subject in question, and so the Rolleiflex 6008 offers the best solution of all. It's the world's first 6x6 cm SLR to give you a choice of all three control modes: Aperture priority, shutter speed priority, and programmed AE. Due to the perfect integration of setting and function elements, there's no need to operate any switches to select the program you want (and you won't find any on the Rolleiflex 6008 either). This is the logical development of the advanced shooting convenience already initiated in the Rolleiflex 6008, and is indispensable in an all-round camera expected to handle every assignment with professional expertise.

Aperture priority AE when you need depth of field

Pictorial impact often depends on judicious depth of field – not just a small stop for overall sharpness from near to far but also selective sharpness at full aperture. So in aperture-priority AE mode you select the aperture you want (in ⅓ steps), turn the shutter speed dial to "A" (automatic) and let the camera's microcomputer set the correct exposure time. This is also the ideal mode for closeups and macro shots.

Shutter speed priority to control movement

When you are shooting action or have to guard against camera shake with longer focal lengths, you need a fast shutter speed. Or you may want a slow speed for deliberate movement blur. The Rolleiflex 6008 professional's extended shutter speed range from ⅟₅₀₀ with PQ lenses and ⅟₁₀₀₀ with PQS lenses to 30 sec is ideal for this. Preselect the speed you want and turn the aperture ring to "A": The camera now controls correct exposure by its automatic aperture setting.
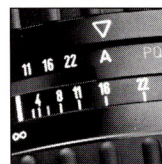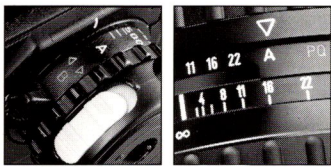

Programmed AE for point-and-shoot ease

If you set both the aperture ring and shutter speed dial to "A", you are in programmed AE mode: The camera automatically sets both the aperture and the shutter speed. The program


J. Kollmorgen

NASA

is biased to keep the shutter speed at 1/125 sec or faster at all apertures other than the largest. That aids shakefree hand-held exposures. A digital display in the finder also shows you the actual aperture and shutter speed. (The display is there in all other modes, too – unless you choose to switch it off.)

Manual settings for individual control

You can take over and set both the aperture and the shutter speed on the Rolleiflex 6008 exactly as you want it – either for special effects or to cope with special lighting situations. A row of LEDs tells you whether
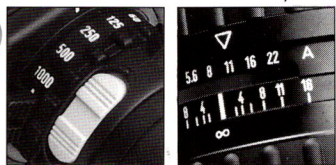
that exposure matches a meter reading. But you can deliberately under- or overexpose. The LED signals then indicate how much you are deviating from the "correct" setting.

Automatic bracketing

You can rarely compensate for exposure errors afterwards – least of all in colour transparencies. To be on the safe side, professionals often bracket exposures with additional shots. With a special S ± setting on the Rolleiflex 6008 professional you do that automatically, too. The camera on its own then runs a sequence of three exposures: a correct shot and two further ones at + ⅔ EV over and – ⅔ EV under respectively. In conjunction with the exposure correction (see right) you can even shift the range to run, say, upwards only from the correct exposure.
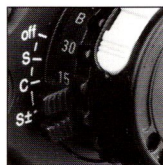
AE lock

We already mentioned this function, important for spot and multi-spot readings. Rollei's way is particularly practical: The lock stores an exposure level but you can still change the aperture or the shutter speed at will while keeping the stored EV constant.

Exposure correction

Finally, you can modify the exposure level by overriding the film speed input. This is a fast way of carrying out a precisely defined under- or overexposure. Settings range from + 2 EV to – 4⅔ EV, engaging in ⅓ EV intervals. A remarkable feature is the possibility of extending the setting range down to ISO 6/9° and up to ISO 160,000/53° film. This correction is also valuable when using earlier film magazines of the Rolleiflex 6006 (see page 13). A finder signal lights up when the exposure correction is in use.

P. Kaus
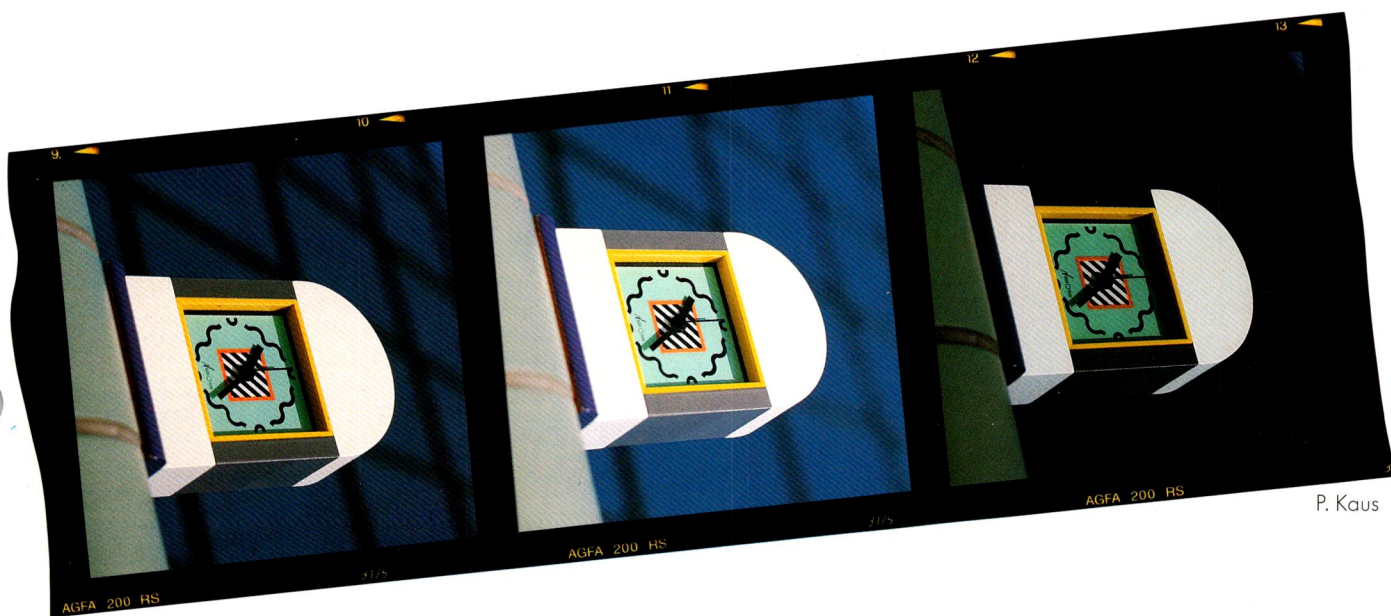
Motorised film transport for faster shooting

Important functions should be built into a camera. The Rolleiflex 6008 therefore has a built-in film transport motor. In sequence mode it can run up to two frames in one second. Between each shot the camera automatically checks – and if necessary adjusts – the exposure. So if the light changes during a sequence, every single exposure is still on the dot. No maker of professional rollfilm SLRs offers more.

But the motorised film transport is equally useful with single shots. There is nothing to distract you from the subject: The camera in your hand is always ready to shoot – and ready again as soon as you have pressed the button. You gain time and efficiency.

It goes without saying that transport automation also assists in loading: Once you have dropped in the film insert, pressing the release automatically advances the film to frame No. 1 for the first exposure. At the end the transport automatically winds off the backing paper, too, leaving the film insert ready for the next roll.

F. Peinemann

A power supply for professional needs

The power supply for the Rolleiflex 6008 is truly tailored to user requirements. A rechargeable NiCd sinter battery unit feeds the electronic system and all motors. It assures large shooting capacity, easy handling and is highly reliable.

At normal room temperature a battery charge lasts for about 500 exposures. When you are down to about 20 shots, an LED lights up in the finder. If the battery voltage drops below a certain safety level, all camera operations cut out. On jobs requiring prolonged shooting, spare interchangeable battery units provide the extra reserve power needed.

The Rolleiflex 6008 keeps running in the coldest weather: Just carry the battery in a warm pocket and feed the power to the camera via a special extension lead.

Included with the camera is a rapid charger with charge limiter circuit and two check signals. It fully recharges the camera battery in an hour, then switches from rapid charging (shown by a red LED) to trickle charging (green). If you are really in a hurry, a short 15-minute charge provides enough power for about 50 exposures.

On location, and out of reach of an AC mains supply point, you can run the charger from a car battery, too – by plugging a special lead into the car's cigarette lighter socket.

Up-to-date TTL flash automation

User convenience in the Rolleiflex 6008 extends to flash exposures, too. Automatic flash metering operates with all dedicated flash units compatible with the European SCA 300 system, linked to the camera via the Rollei SCA 356 module. During a flash shot a sensor inside the camera reads the light coming through the lens and reflected off the film. Electronic circuits in the SCA module then terminate the flash when the film has received enough light for a correct exposure. This automatically allows for filter and closeup exposure factors. The finder shows flash-ready and auto check signals.

Dedicated or ordinary flash units, also the Rollei Macroflash, are synchronised at all shutter speeds from $1/500$ ($1/1000$ using the ultra-fast Schneider and Zeiss lenses) to 30 sec. That permits flexible flash lighting – main or fill-in – for any subject.

Even more flexible is the Rollei FM1 flash exposure meter for professional studio flash setups. Using the 6008's TTL flash sensor, this meter measures flash exposures which you can then balance by adjusting the lens aperture or the flash power. To avoid wasting film, you fire test flashes for such readings with a metering back (simulating spot or average readings) on the camera.

R. Lohmann

Perfect film switching – in perfect safety

When the Rolleiflex 6006 first appeared, its novel interchangeable film magazines fascinated experts. With Rollei's special roller blind system of the built-in laminar drawslide you switch in seconds from colour to black-and-white film, from standard to high-speed emulsions, or from reversal to negative. This not only saves time but also the bother of pulling out and pushing in conventional drawslides.

Sensible safety interlocks prevent exposures with the drawslide closed – or removal of the magazine with the drawslide open.

With the current magazines for the Rolleiflex 6008 you set the film speed on the magazine. As you change magazines, the camera's AE system automatically senses the right speed. You can still use earlier 6006 magazines without this film speed input: the camera then operates at a default value of ISO 100 and you can use the exposure correction for faster or slower films. (With − 4⅔ EV you

are in effect shooting at ISO 2500, with + 2 EV at ISO 25.) Such magazines can also be converted.

All Rolleiflex 6008 magazines use the familiar film inserts: You prespool a supply of rollfilms on such inserts, then drop the insert into the magazine and press the release to run the film instantly to the first frame. The following magazine models are available:

● The 6 x 6/120 magazine takes 12 exposures 6 x 6 cm (2¼ x 2¼ in.) on No. 120 rollfilm. The 6 x 6/220 magazine similarly takes 24 exposures on No. 220 rollfilm.

● The 4.5 x 6/120 and 4.5 x 6/220 magazines take 16 or 32 exposures 4.5 x 6 cm (1¾ x 2¼ in.) on No. 120 or 220 film respectively. Masks supplied mask down the film gate and the finder screen.

● The 70 Data magazine for perforated 70 mm film yields 60 – 70 standard 6 x 6 cm (2¼ x 2¼ in.) frames.

● The Polaroid magazine, with input of Polaroid film speeds, yields 8 exposures with an image area of 2¼ x 2¼ in. on 3¼ x 4¼ in. peel-apart film packs.

Large pictures of tiny worlds
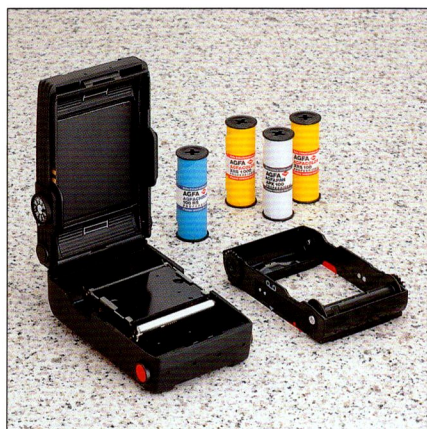
Working in the closeup and macro-photography ranges has always held a fascination for amateurs and professionals alike. Access to the world of tiny objects invisible to the human eye turns everyday situations into a breathtaking experience. The technical features of the Rolleiflex 6008 assure supremely composed and perfectly exposed closeups. For the built-in TTL exposure control remains fully effective with all finder and lens attachments, and multi-function metering allows you to perform selected image point readings in the spot and multi-spot modes. In addition there are special lenses and an extensive range of closeup accessories. They provide a perfect combination of user convenience and outstanding quality, and extend the universal applications of the Rolleiflex 6008.

● **Macro lenses,** the 90 mm Schneider Apo-Symmar f/4, 120 mm Carl Zeiss Makro-Planar f/4 and the 150 mm Schneider Apo-Symmar bellows-head lens f/4.6 are all specially computed for the macro range. Together with the bellows unit, continuous image scales up to 1:1 can be attained.

● **Automatic extension tubes** permit a wide range of image scales when used singly or in combination, also with the bellows unit and retro adapter.

● **Bellows unit with focusing rack** transmits all automatic functions between the lens and camera. Extension range from 67 mm to 204 mm.

● **The retro adapter** allows reverse mounting of 50 mm to 120 mm lenses and yields large magnifications up to about 3.5:1.

● **The M 39/M 40 shutter adapter,** together with 28 mm and 50 mm Schneider M-Componon f/4 lenses gives access to photomacrography and up to 9 times magnification with the bellows unit.

● **Slide copying stage** for direct copying of slide originals in conjunction with other system accessories.

● **Magnifying finder hood** and **bright matt screen** for precise focusing and image control at all apertures.

● **Macroflash** in conjunction with the SCA 356 flash adapter for TTL flash exposures in the closeup range.
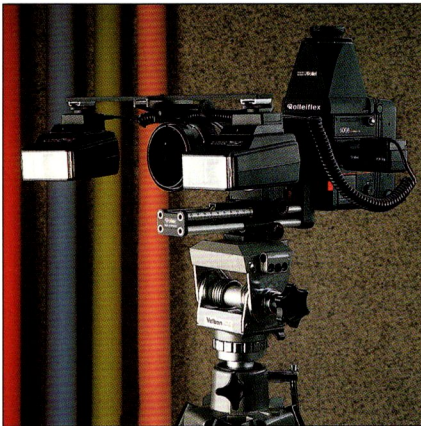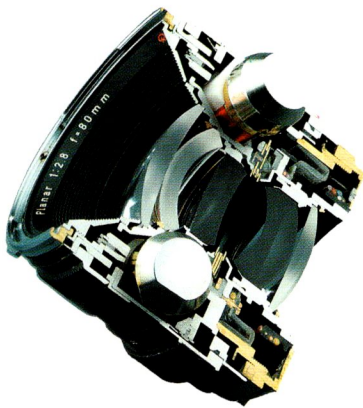

F. Rauschenbach

H. Hartje

P. Kaus

A top camera deserves top lenses

ZEISS

West Germany

Schneider
KREUZNACH

In view of Rollei's long-established collaboration with Carl Zeiss (the very first Rolleiflex launched in 1928 was fitted with a Zeiss Tessar lens), its membership of the Schneider Kreuznach group, and, last but not least, the high standards of Rollei's own lens production, the 6000 system was simply predestined to be equipped with the best there is. And being the best is due to the uncompromising commitment with which these renowned manufacturers devote their entire know-how to innovative lens design. All that's traditional about the 120 mm Zeiss Makro-Planar f/4 or the 40 mm Distagon f/4, for instance, are their names. The lenses themselves are the result of sophisticated computations and consistent optimisation. Exceptional lenses were also created by Schneider: The 40 mm Super-Angulon f/3.5, 80 mm Xenotar f/2, 180 mm Tele-Xenar f/2.8, and the 300 mm Apo-Tele-Xenar f/4 – all of them giving unique performance in the rollfilm format. Moreover, a special PQ (professional quality) lens mount was developed for the Rolleiflex 6008, which is tailored to the extended automatic functions of the camera, hence making full use of the system's performance capabilities. At the same time, these lenses are compatible with the 6006 and 6002 models. On the other hand, lenses for these two models can also be used with minor restrictions on the Rolleiflex 6008. All lenses of the new "PQ" and "PQS" range utilise Rollei's pace-setting direct-drive technology. The camera's microprocessor controls with maximum precision two linear motors that drive the iris and the shutter. Control pulses and power are transmitted via a 10-pole, gold-plated terminal strip, wear-free, hermetically protected, and with no moving coupling parts.

Uncompromising image quality from 180° to 4.5°

J. Kollmorgen

F. Peinemann

30 mm Zeiss F-Distagon PQ f/3.5 HFT
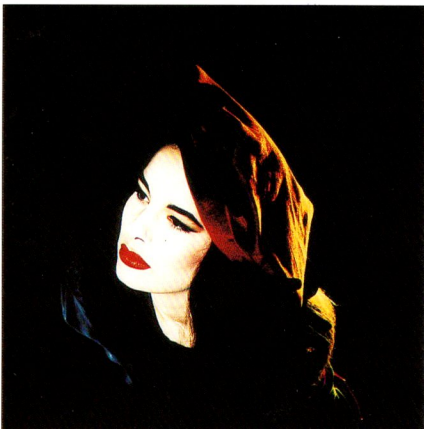
An extra-wide angle lens with fisheye characteristics, very large aperture and exceptional clarity of image. Full utilization of the 2¼" square format, good coverage of the image area, even at full aperture. The system produces distortion away from the centre of the image. For alienation effects, advertising photos, interior architecture, decoration, astronomical, geophysical and meteorological applications, etc. (Item No. 64 866)

120 mm Zeiss Makro-Planar PQ f/4 HFT

Special high-performance lens for closeups, copying and big enlargements. Optimised for a 1:8 scale but equally usable at scales from 1:∞ to about 2:1 (with the bellows unit). Ideal for product shots and fine detail rendering. Stops down to f/32.

(Item No. 86 884)

40 mm Zeiss Distagon PQ f/4 HFT

An advanced design of a superbly corrected retrofocus-type superwide-angle lens. **Floating elements** optimise the correction in the close-up range, too. Primarily intended for architectural photography, interiors and broad landscapes but also highly suitable for product shots and features.

(Item No. 86 814)

150 mm Zeiss Sonnar PQ f/4 HFT

Short tele lens for many pictorial applications, highly recommended for portraiture but also for frame-filling detail from greater distances. It is the standard tele lens for the fastidious photographer.

(Item No. 86 756)

1000 mm Zeiss Tele-Tessar PQ f/8

Incorporating the new shutter with direct-drive technology, this is the first 1000 mm super tele lens for 2¼" square rollfilm SLRs. Provides 12.5 times greater magnification than the standard focal length. Used to photograph very distant subjects and inaccessible places, or shy wildlife. Comes with a lens hood and bush allowing the tripod to be mounted directly on the lens barrel.

(Item No. 63 045)

50 mm Zeiss Distagon PQ f/4 HFT

A highly compact retrofocus-type wide-angle lens of excellent optical correction. Recommended for architectural shots, interiors, broad landscapes and feature photography. This is the most popular wide-angle lens and also usable reverse-mounted for closeups.

(Item No. 86704)

60 mm Zeiss Distagon PQ f/3.5 HFT

Versatile, compact medium wide-angle lens. It can at times replace the standard 80 mm focal length as it covers a wider view without too obvious a wide-angle rendering. The short focusing travel and extended depth of field permit rapid and reliable focusing for action shots.

(Item No. 86725)

80 mm Zeiss Planar PQ f/2.8 HFT

Universal standard lens of supreme correction and flat field, with extreme definition all the way to the corners. The large aperture allows precise visual focusing. Also yields excellent closeup results when reverse-mounted.

(Item No. 86673)

250 mm Zeiss Sonnar PQ f/5.6 HFT

Classic tele lens with over 3 times the image scale of the standard lens. Suitable for long-range shots, more distant portraits, also wildlife photography in good light, sports and flash shots of single performers on the stage and in circus photography.

(Item No. 86780)

350 mm Zeiss Tele-Tessar PQ f/5.6 HFT

Relatively fast and compact, this lens still permits hand-held shots and is a favourite among the long focal lengths. Yielding about 4.4 times magnification compared with the standard lens, it produces a strongly subdued perspective. Complete with a screw-on hood that can also be used as a lens cap.
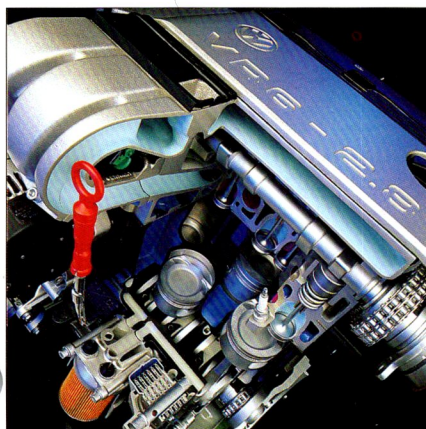
(Item No. 86838)

500 mm Zeiss Tele-Tessar PQ f/8 HFT

Top-quality long tele lens giving 6 times the image scale of the standard lens. Invaluable in wild-life, sports and scientific photography, on expeditions, and deliberate tele perspective in pictorial views. With internal focusing, extending lens hood and tripod bush.

(Item No. 86854)

J. Kollmorgen

P. Kaus

Superb achievements in lens construction: High-speed Schneider PQ lenses

Lens speed is particularly valuable in SLR technology. Apart from the optical benefits, it also give greater focusing precision thanks to the more brilliant screen image and smaller zone of sharpness. From a creative aspect, experimenting with the low depth of field and fast shutter speeds is of course particularly fascinating. Indeed, these high-speed lenses are an outstanding achievement in lens design and performance. They represent an engineering breakthrough by maintaining a top 1/500 sec speed in a large-size leaf shutter. Thanks to a new approach, it proved possible to save 60% of the shutter blade mass by using, instead of steel, a carbon-fibre reinforced plastic laminate. A further advantage of this material, pressed into ultra-thin compound multi-layers, is its very low sliding friction. Finally, neodymium magnets further boosted acceleration and made the shutter drive steadier.

J. Kollmorgen
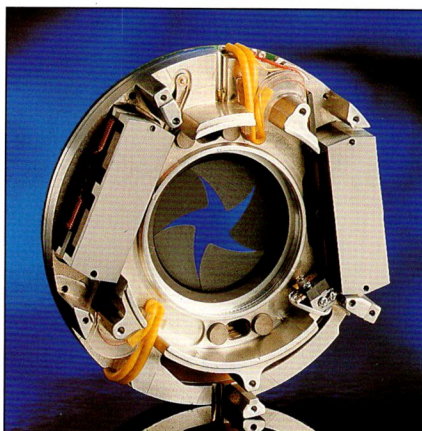
40 mm Schneider Super-Angulon PQ f/3.5 HFT

Ultra-wide-angle with a speed and compactness so far unmatched by this type of lens. Outstanding sharpness over the whole focusing range down to close-up shots at 0.4 m thanks to **floating elements** that need no separate adjustment. All in all, an interesting alternative to the classic 40 mm Distagon.

(Item No. 59439)

80 mm Schneider Xenotar PQ f/2 HFT

In a class of its own for lens speed and image performance. The f/2 maximum aperture is exceptional for a rollfilm SLR and not only offers superior versatility in poor light but also provides a more brilliant screen image for precise focusing. Although extremely fast, this lens retains the direct-drive control of the iris and shutter – the latter still at all speeds from 1/500 to 30 sec with flash synch throughout the range. Superb optical and mechanical achievement in high-performance lens construction.

(Item No. 87612)

180 mm Schneider Tele-Xenar PQ f/2.8 HFT

An f/2.8 maximum aperture in this focal length is fast even by 35 mm SLR standards, it becomes outstanding in a rollfilm camera lens. That, and the light image performance, make this lens perfect for portraits, sports and fashion photography. The larger aperture can serve to limit depth of field for differential focus effects, make more use of available light, or permit faster shutter speeds for action shots. An absolutely superb lens which can be converted into a 250 mm f/4 tele lens using the specially computed Longar 1.4 x tele-converter.
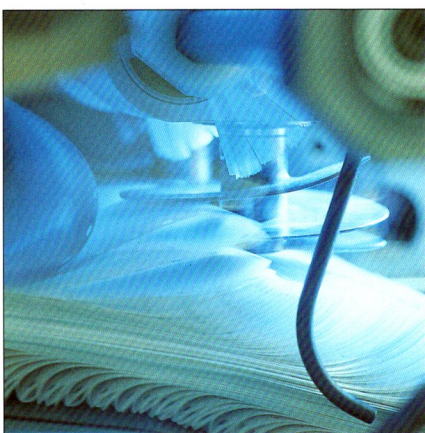
(Item No. 87606)

300 mm Schneider Apo-Tele-Xenar PQ f/4 HFT

Fast tele with apochromatic correction, setting new standards in this class of lens. The Longar 1.4 x tele-converter turns it into a super tele system with a focal length of 420 mm and an ample f/5.6 maximum aperture.

(Item No. 59426)

Exclusive to Rollei:
PQS lenses with ultra-fast leaf shutter

If the new, improved shutter technology has made it possible to run extra-large shutters at ⅟₅₀₀ sec, a normal-size shutter should be capable of faster speeds still. And indeed, Rollei has managed to overcome the limits of conventional engineering where ⅟₅₀₀ sec was the fastest. Meanwhile, five focal lengths have been fitted with the new direct-drive shutter that is capable of performing at ⅟₁₀₀₀ sec. These special versions are marked "PQS Lens", and were designed exclusively for the Rolleiflex 6008 because the higher speeds can be set on the camera, are allowed for in meter readings, and appear in the display.

50 mm Schneider Super-Angulon PQS f/2.8 HFT
With a fast f/2.8 aperture for this type of lens which also guarantees accurate focusing over the exceptionally bright image. Specially suited for interior shots. **Floating elements** ensure very good performance in the closeup range.

(Item No. 63 346)

80 mm Zeiss Planar f/2.8 HFT
Universal standard lens of supreme correction and flat field, with extreme definition all the way to the corners. The large aperture allows precise visual focusing. Also yields excellent closeup results when reverse-mounted.

(Item No. 64 002)

90 mm Schneider Apo-Symmar PQS f/4 HFT
Universal macro lens with apochromatic correction. Optimised for the closeup range. Long helical mount provides a continuous focusing range from infinity to a 1:2 scale without extra accessories. Short focusing travel makes it ideal for repro work.

(Item No. 63 348)

150 mm Zeiss Sonnar PQS f/4 HFT
Short tele lens for many pictorial applications in creative photography. Primarily intended for portraiture but also highly suitable for frame-filling detail from greater distances. The standard tele lens which, due to its ⅟₁₀₀₀ sec capability, is also recommended for fast action shots using flash.

(Item No. 59 602)

250 mm Zeiss Sonnar PQS f/5.6 HFT
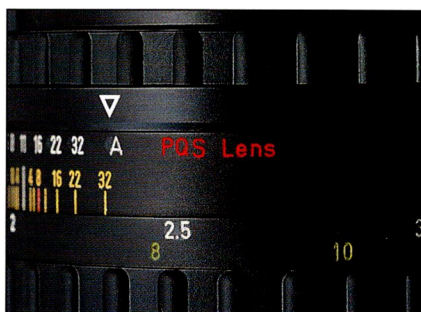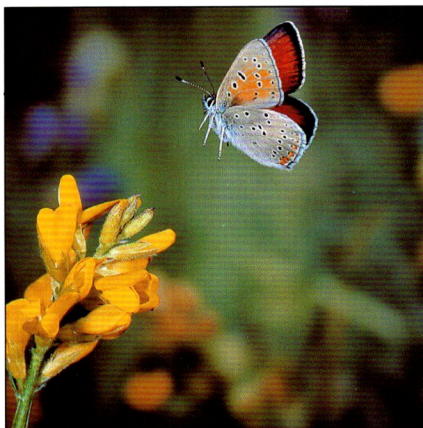A compact classic tele lens for long range shots, more distant portraits, sports and hand-held shots.

(Item No. 62 624)

19

Special Schneider Kreuznach PQ lenses for unusual applications

P. Kaus

F. Rauschenbach

55 mm PCS Schneider Super-Angulon PQ f/4.5 HFT
Special wide-angle lens with an extra-large image circle of 104 mm and sophisticated lens mount, incorporating vertical/horizontal shift for control of image perspective as well as up and down tilt

of optical axis (Scheimpflug principle). **Floating elements** automatically provide consistently high image quality over the whole focusing range down to 0.5 m. Electronically transmitted, all automatic functions of the iris and shutter are retained. Ideal for all kinds of still life photography involving view camera-type perspective and sharpness distribution control. The PCS Super-Angulon can also serve as a normal wide-angle system, albeit somewhat weighted with a 70° angle of view, but still offering outstanding brilliance and minimum distortion for a wide-angle lens.

(Item No. 86 900)

150 mm Apo-Symmar PQ f/4.6 Makro HFT
Special macro lens with apochromatic correction. Built for use on a macro bellows, it needs a basic extension of 67 mm to set at infinity. With the 67 mm extension tube or the bellows unit it provides a continuous focusing range to same-size reproduction. The built-in helical mount of 9 mm focusing travel is primarily for precise distance adjustment, but also enables use with extension tubes to a certain extent. Outstanding

focusing precision is enhanced even more by only using the centre of the extremely large image circle. These qualities, plus virtually total freedom from distortion make the Apo-Symmar the ideal lens for still life and reproduction photography. With the corresponding extensions, the lens can also be successfully used beyond a 1:1 scale.

(Item No. 98 531)

75 – 150 mm Schneider Variogon PQ f/4.5 HFT
Top-class zoom lens of outstanding image quality comparable with an excellent lens of fixed focal length. Dual-touch zoom (rotating zooming ring), constant focus at all focal length settings. Macro range from 1.8 to 0.25 m (6 ft to 10 in.) from front of lens, or down to a 1:4.4 scale. The zooming range from the standard focal length to a medium tele provides universal applications for variable image scales from a given viewpoint.

(Item No. 86 926)

140 – 280 mm Schneider Variogon PQ f/5.6 HFT
Dual-touch zoom lens with constant focus at all focal lengths. Near limit 2.5 m (8¼ ft.), extended in a special macro range down to 75 cm (30 in.) from the front lens. Image quality matches fixed focal lengths. An almost universal tele system, replacing several tele lenses. Often provides the only way of filling the frame from a given viewpoint.

(Item No. 86 913)

Lens data* at a glance

| Lens		Aperture range	Verschluß-bereich	Angle of view diag./hor.	Design	Focusing range	Maximum diameter	Maximum length	Weight	Filter fitting
	30 mm F-Distagon f/3.5 HFT PQ	3.5–22	1/500	180/112°	8 elements 7 groups	∞–0.3 m (12 in)	108 mm 4.25 in.	122 mm 4.81 in.	1550 g 54.6 oz.	built-in M 24x0.5
	40 mm Super-Angulon PQ f/3.5 HFT (with floating elements)	f/3.5–22	1/500	88/68°	8 elements 8 groups	∞–0.4 m (19 in.)	83.2 mm 3.28 in.	72 mm 2.83 in.	750 g 26.4 oz.	M 77x0.75
	40 mm Distagon f/4 HFT PQ (with floating elements)	f/4–32	1/500	88/69°	11 elements 10 groups	∞–0.5 m (20 in.)	83 mm 3.27 in	90 mm 3.45 in	1040 g 36.7 oz.	M 95x1 via lens hood No. 60471
	50 mm Distagon f/4 HFT PQ	f/4–32	1/500	75/57°	7 elements 7 groups	∞–0.5 m (20 in.)	81.5 mm 3.2 in.	96 mm 3.78 in.	840 g 29.6 oz.	Rollei bayonet size VI
	50 mm Super-Angulon f/2.8 PQS HFT	f/2.8–22	1/1000	74/56°	9 elements 8 groups	∞–0.6 m (2 ft)	104 mm 4.1 in.	115 mm 4.55 in.	1600 g 56.4 oz.	M 95x1
	60 mm Distagon f/3.5 HFT PQ	f/3.5–22	1/500	67/49°	7 elements 7 groups	∞–0.6 m (2 ft)	81 mm 3.19 in.	83 mm 3.27 in.	770 g 27.2 oz	Rollei bayonet size VI
	80 mm Planar f/2.8 HFT PQS	f/2.8–22	1/1000	52/38°	7 elements 5 groups	∞–0.9 m (3 ft)	81.5 mm 3.2 in.	63 mm 2.48 in.	590 g 20.8 oz	Rollei bayonet size VI
	80 mm Xenotar f/2 HFT PQ	f/2–16	1/500	52/38°	7 elements 5 groups	∞–0.8 m (2.6 ft)	97.3 mm 3.83 in.	99,7 mm 3.93 in.	960 g 58.2 oz	Rollei bayonet size VI
	90 mm Apo-Symmar f/4 HFT Macro PQS	f/4–32	1/1000	47/34°	6 elements 4 groups	∞–0.4 m (19 in.)	104 mm 4.1 in.	110 mm 4.34 in.	860 g 30.30 oz.	M 95x1
	120 mm Makro-Planar f/4 HFT PQ	f/4–32	1/500	36/26°	6 elements 4 groups	∞–0.8 m (2.6 ft)	81.5 mm 3.2 in.	102 mm 4.02 in.	960 g 33.9 oz	Rollei bayonet size VI
	150 mm Apo-Symmar f/4.6 HFT Makro PQ	f/4.6–32	1/500	29/21°	6 elements 4 groups	∞–1:1.1**	81.5 mm 3.2 in.	81.5 mm 3.2 in.	706 g 24.0 oz	Rollei bayonet size VI
	150 mm Sonnar f/4 HFT PQ	f/4–32	1/500	29/21°	5 elements 3 groups	∞–1.4 m (4.6 ft)	81.5 mm 3.2 in.	102 mm 4.02 in.	890 g 31.4 oz	Rollei bayonet size VI
	150 mm Sonnar f/4 HFT PQS	f/4–32	1/1000	29/21°	5 elements 3 groups	∞–1.4 m (4.6 ft)	81.5 mm 3.2 in.	102 mm 4.02 in.	890 g 31.4 oz	Rollei bayonet size VI
	180 mm Tele-Xenar f/2.8 HFT PQ	f/2.8–22	1/500	25/18°	6 elements 6 groups	∞–1.8 m (6 ft)	100 mm 3.94 in.	150 mm 5.9 in.	1525 g 53.7 oz	M 95x1 (filters) Bay.Ø104(Sun.)
	250 mm Sonnar f/5.6 HFT PQ	f/5.6–45	1/500	18/13°	4 elements 3 groups	∞–2.5 m (8.2 ft)	81.5 mm 3.2 in.	170 mm 6.7 in.	1150 g 40.6 oz	Rollei bayonet size VI
	250 mm Sonnar f/5.6 HFT PQS	f/5.6–45	1/1000	18/13°	4 elements 3 groups	∞–2.5 m (8.2 ft)	82.5 mm 3.25 in.	170 mm 6.7 in.	1150 g 40.6 oz	Rollei bayonet size VI
	300 mm Apo-Tele-Xenar f/4 HFT PQ	f/4–32	1/500	15/11°	6 elements 6 groups	∞–3.2 m (10.5 ft)	101 mm 3.95 in.	262 mm 10.31 in.	2000 g 70.5 oz	M 95 x 1
	350 mm Tele-Tessar f/5.6 HFT PQ	f/5.6–45	1/500	13/9°	4 elements 4 groups	∞–5 m (16.4 ft)	90 mm 3.54 in.	227 mm 8.94 in.	1650 g 58.2 oz	M 86 x 1 screw-in
	500 mm Tele-Tessar f/8 HFT PQ	f/8–64	1/500	9/6°	5 elements 3 groups	∞–8.5 m (28 ft)	100 mm 3.94 in.	316 mm 12.4 in.	1995 g 70.4 oz	M 86 x 1 screw-in
	1000 mm Tele-Tessar f/8 HFT PQ	8–64	1/500	4.5/3°	4 elements 4 groups	∞–21 m (68.9 ft)	215 mm 8.47 in.	790 mm 31.14 in.	8740 g 19.3 lbs	–
	55 mm PCS-Super-Angulon f/4.5 HFT shift & tilt lens PQ	f/4.5–32	1/500	70/85°	10 elements 8 groups	∞–0.5 m (20 in.)	104 mm 4.1 in.	155 mm 6.1 in.	1650 g 58.2 oz	Rollei bayonet Ø 104
	75–150 mm Variogon f/4.5 HFT zoom lens PQ	f/4.5–32	1/500	55/40° 29/21°	15 elements 13 groups	∞–1.8 m (6 ft) & macro	100 mm 3.94 in.	180 mm 7.09 in.	1800 g 63.5 oz	M 95 x 1 screw-in
	140–280 mm Variogon f/5.6 HFT zoom lens PQ	f/5.6–45	1/500	32/23° 16/11°	17 elements 14 groups	∞–2.5 m (8.2 ft) & macro	94 mm 3.7 in.	238 mm 9.37 in.	1750 g 61.7 oz	M 95 x 1 screw-in or 93 mm Series 9a drop-in filter
	The 2 x Tele-converter doubles the focal lengths, extending the lens range to a 2000 mm super tele or to a 280–560 mm super zoom system. The converter is particularly recommended for focal lengths between 80 and 150 mm.									
	Longar 1.4 x tele-converter. Specially computed for the new fast tele lenses, this converter gives a 1.4 times extension of the focal length while, at the same time, reducing the f-number by one stop.									

* also usable on Rolleiflex models 6006, 6002 and SLX
** with extension bellows

The new dimension in digital photography and photoreproduction

The progressiveness and superiority of the Rolleiflex 6008 professional is due in no small measure to its outstanding technical features and perfection, and especially to its ease of operation. In fact, it's a camera that was planned for the future. And now, with the Rollei Digital ScanPack, the link has even been forged between traditional silver photography and electronic image processing (EIP) in a practical and convincing way. Rollei's Digital ScanPack was developed in collaboration with Opto-Tech, Hannover, Germany, a company specialising in the engineering of opto-electronic sensors. Attached in place of the interchangeable film magazine, it makes a professional-quality scanning camera out of the Rolleiflex 6008 (or any other Rolleiflex 6000 system camera) which is capable of electronic photography and photoreproduction, through to printer's copy production.

Using Rollei's Digital ScanPack, the images recorded by the camera's optics for a scanned area of 41.2 x 35 mm are converted into 5850 x 5000 pixels by a high-resolution linear sensor array. Conversion into the primary colours of red, blue and green is ensured by special colour filters. With colour imaging, the Rollei ScanPack can distinguish between 16.8 million colours. Black-and-white scans comprise the 256 grey gradations needed for true-to-tone scaling. By contrast with (still video) CCD chips, recording density, at about 30 million pixels, outperforms that of a 35 mm slide. To enable the scanned images/artwork to be stored and processed to meet requirements, the camera with the ScanPack is connected on-line via the Rollei SCSI interface box to an EIP-compatible PC (preferably Apple Macintosh II or PC/386 with a minimum of 8 MB RAM and 100 MB hard disk).
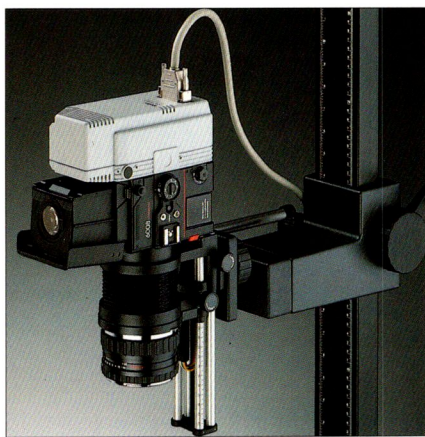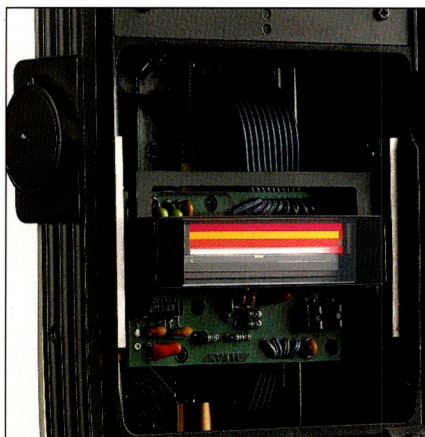
Studio photography without film

With Rollei's Digital ScanPack, the Rolleiflex 6008 can be used in the studio as a scanning camera for all types of still life photography. As the scanning gate is advanced in micro steps via a stepping motor for each digital photograph, requiring a few seconds for a complete scan or 3 passes for colour imaging, only subjects that are not moved can be scanned. All interchangeable lenses and accessories can be used without modification for this electronic still life photography. In addition, image processing is menu-driven using for example the "Adobe Photoshop" software. Changes in gradation, multi-image mixing, colour corrections, enlargements, reductions, etc. can then all be carried out at the press of a button. The results can be viewed immediately on the screen and electronically reworked to meet your requirements. Depending on the capabilities of the digital printer, output can be in the form of a proof copy or a high-quality print as required.

Full photoreproduction facility

The Rolleiflex 6008 and Rollei Scan-Pack can be installed on any repro tripod and used as a high-perform-ance optical scanner without the need for technical modifications. In conjunction with lenses of various focal lengths, the bellows extension and/or extension tubes, image data can be scanned from 3D subjects or subjects illuminated in reflected/transmitted light, stored, modified and output as prints or ready-to-print films. Copy framing is performed via the finder on the focusing screen, with precise focusing by means of the magnifier. The actual scanning operation is controlled by commands entered from on-screen menus.

Rollei's Digital ScanPack provides the link to electronic image processing, thereby opening up a whole new range of applications with the Rolleiflex 6000 system.
Detailed information is given in a special product leaflet.
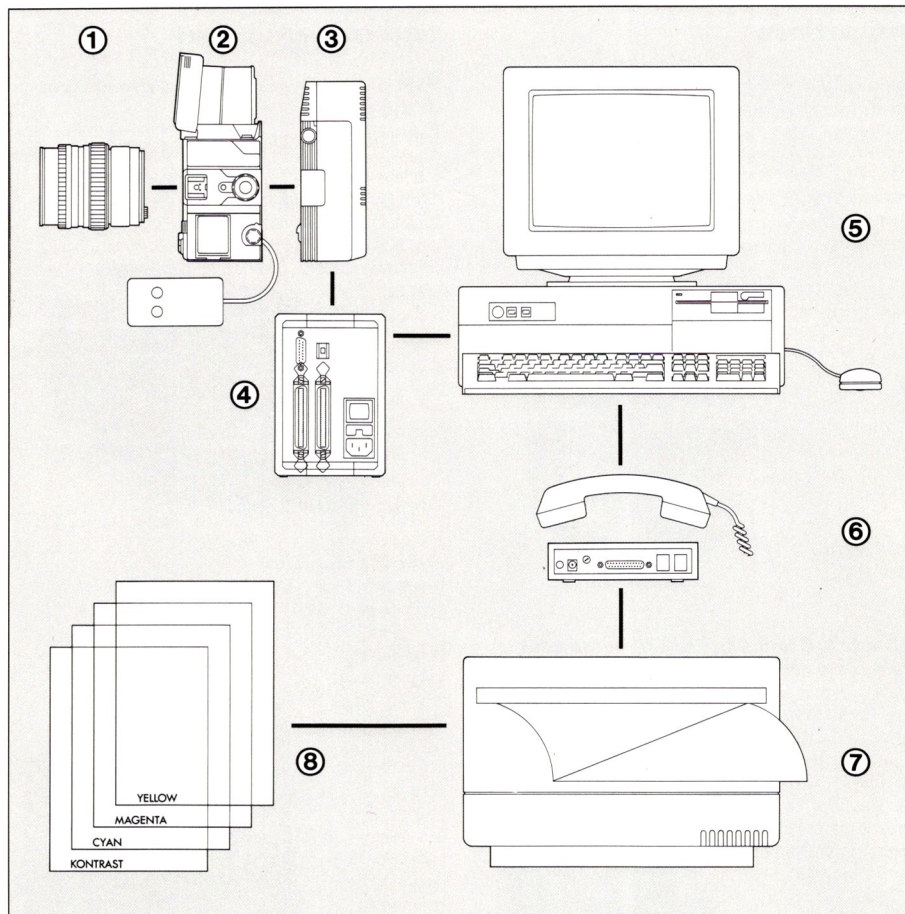
① Interchangeable lens for the 6000 system. ② Rolleiflex 6008 camera body, with SRC remote control. ③ Digital ScanPack. ④ Rollei SCSI scan interface box (Opto Tech system). ⑤ PC with 24-bit colour monitor, keyboard and mouse. ⑥ Modem.

⑦ Hardcopy output device (laser printer for proof copies, laser graphics recorder for ready-to-print lithos, colour film recorder for exposing transparencies). ⑧ Up to 96 MB of data in the form of four-colour separations, colour transparencies or proof copies.
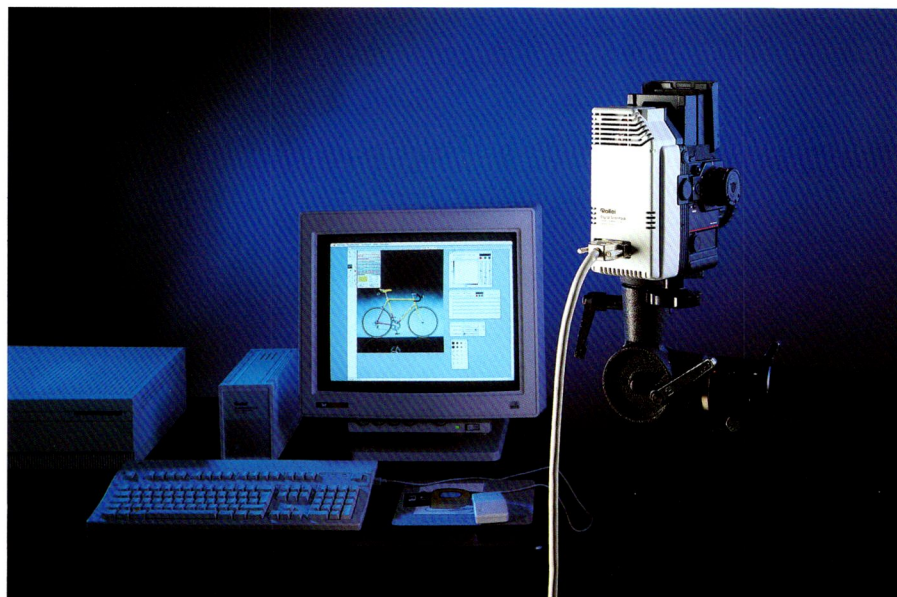
Accessories for greater scope and convenience

Quick-change film magazines

6 x 6/120 and 6 x 6/220 magazines for 6 x 6 cm (2¼ x 2¼ in.)

With film speed input in ⅓ steps from ISO 25 to 6400, automatic frame counter. Preloadable film inserts for rapid and specially convenient operation. Built-in laminar drawslide assures fast yet safe magazine/film changing without loss of frames.

(Item Nos. 88 798, 88 799)

4.5 x 6/120 and 4.5 x 6/220 magazines for 4.5 x 6 cm (1¾ x 2¼ in.)

Yields 16 or 32 images in the smaller 4.5 x 6 cm size. With film speed input, laminar drawslide and preloadable film inserts as for the 6 x 6 magazines. Supplied complete with 4.5 x 6 cm masks for the focusing screen and film gate.

(Item Nos. 88 800, 88 801)

Film insert

Preloadable beforehand for rapid film changing; complete with plastic case. Case also available separately.

(Item No. 98 004)

Special magazines and camera backs

Polaroid magazine with film speed input and drawslide

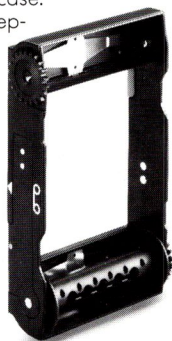Exposes eight 6 x 6 cm (2¼ x 2¼ in.) prints on 8.5 x 10.8 cm (3¼ x 4¼ in.) Polaroid film packs. Usable films are Type 084, 107, 611, 667, 665, 668, 669 and 108, covering black-and-white prints, prints with recoverable negative, and colour prints.

(Item No. 97 979)

Data 70 magazine

Magazine for perforated 70 mm film, bought in bulk and loaded into cartridges in lengths of up to 5 m (16½ ft). Between 60 and 70 exposures, depending on film type. The magazine has its own film transport motor, powered and controlled via the camera's remote outlet. Suction drawdown on pressure plate for optimum film flatness.

Also imprints year/month/day, day/hour/minute, or special sequential numbers on each film frame.

(Item No. 89 445)

Rollei Digital ScanPack

Fitted to the Rolleiflex 6008 professional instead of the interchangeable film magazine, transforming the classical medium-format camera into an ultra-modern scanning camera for electronic photography and photoreproduction through to printer's copy production.

Further details are given on pages 22 and 23.

Finders and focusing screens

Magnifying finder hood

Consists of the Rollei 6 x 6 magnifier and a base attachment for the Rolleiflex 6008/6006. Available separately, the Rollei magnifier enables full-size viewing of 6 x 6 slides, negatives or proofs, and naturally of 35 mm slides with or without frames. Superbly corrected, this 3 x linear magnifier provides colour fidelity and high definition over the whole subject area. Downward or eye-level viewing possible using interchangeable hoods. Both items together make up a rigid magnifying finder hood for the camera.

(Item No. for magnifier 59 551)

(Item No. for base attachment 63 048)
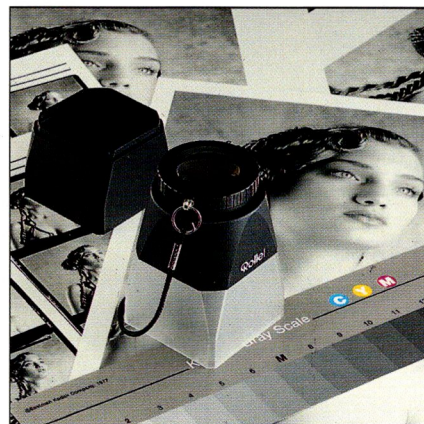
Prism finders with 45° and with 90° eyepiece

Interchangeable with the standard folding hood. The prism finders show an upright and right-reading screen image; they actuate a camera switch to keep the digital aperture/speed indication right-reading, too. The finders rotate and engage in four positions at 90° intervals for convenient viewing from awkward viewpoints.

(Item No. 97 814)

(Item No. 98 181)

V-finder for video viewing

Attached to the camera in place of the finder hood and connected to a conventional video-head camera. Deflection of the path of rays via a tilted mirror for downward viewing or transmission of the video image to the screen. The video finder rotates and engages at four 90° intervals. Allows several persons to jointly review picture composition and framing. Ideal for image control when releasing the camera via the IR remote release.

(Item No. 63 984)

LSC bright matt screen

Special focusing screen (with 41.2 x 35 mm scan frame) for working with the Digital ScanPack.

(Item No. 61 396)

Bright matt screen with central split-image wedge and microprism ring

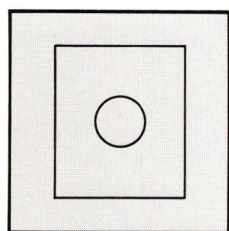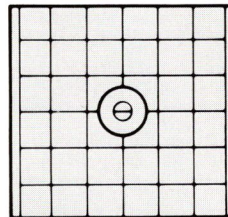Universal matt focusing screen with split-image wedge and microprism ring. Wedge provides most precise focusing on vertical lines, microprism by disappearance of shimmering over image detail. Matt screen with Fresnel pattern permits sharp focusing over the whole image area.

(Item No. 97 069)
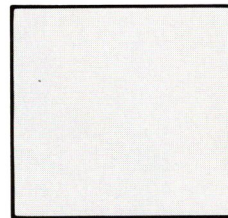
Fine matt screen

Fine matt ground glass screen for precise focusing at all apertures and with more powerful focusing magnifiers. Specially suitable for macrophotography and for picture composition where focusing aids are liable to interfere.

(Item No. 97 054)
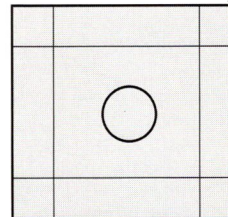
Bright matt screen

Microfine screen for full-area focusing and unobstructed composition. Also suitable for small-aperture lenses and for depth-of-field previewing. Lines mark the boundaries of the 4.5 x 6 cm (1¾ x 2¼ in.) upright or horizontal image formats.

(Item No. 64 911)
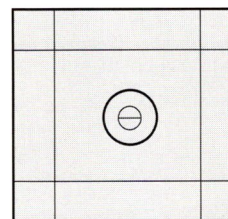
Bright matt screen with split-image wedge

Microfine screen with central split-image wedge for maximum focusing precision. Lines mark the boundaries of the 4.5 x 6 cm (1¾ x 2¼ in.) upright or horizontal image formats. Ideal for photographers who have to judge later image boundaries in a 4.5 x 6 cm framing.

(Item No. 64 913)
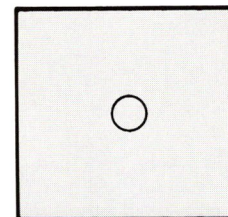
Bright matt screen with microprism spot

Universal screen for rapid focusing with microprism spot and matt screen area. Permits accurate focusing even in poor light by disappearance of shimmering over image detail.

(Item No. 97 074)
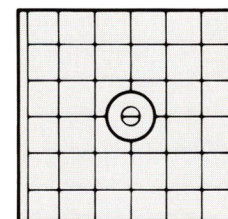
Superbright screen with central split-image wedge and microprism ring

Special screen for very poor light, for instance at dusk. Central focusing aids permit precise focusing while very bright outside area clearly shows image boundaries. Less suitable with long focal lengths and for macro shots.

(Item No. 97 070)

Closeup accessories

Extension tubes
9, 17, 34, 67 and 68 mm long, transmit all automatic functions. May be used singly or in combination, also with bellows unit and retro adapter. Rollei bayonet fittings at both ends.
(Item Nos.
97 844/9 mm
97 868/17
97 888/34
62 069/67
97 916/68)

Retro adapter
The retro or reverse mounting adapter extends the Rolleiflex 6008's closeup range. It allows reverse mounting – for better closeup performance – of 50 mm to 120 mm lenses, and links up all automatic functions. When used with the bellows unit, the reverse-mounted 80 mm Planar f/2.8 will for instance yield macro magnifications from 1.8 to 3.5 x.

(Item No. 98 410)

Bellows unit with focusing rack
With rack-and-pinion drive and clamping screw, extension scale, ¼ in. tripod bush. Links up all automatic lens functions. Rollei bayonet fittings at both ends. Extension range from 67 to 204 mm.

(Item No. 98 065)

Focusing rack
The focusing rack makes it easier to work from a tripod. The subject distance can be smoothly and conveniently altered, thus allowing forward and backward movement in still life, reproduction, macro- and micro-photography. The rack is of robust double-tube construction and has 16 cm of free movement.

(Item No. 97 104)

M 39/M 40 shutter adapter
For Schneider 28 mm and 50 mm M-Componon f/4 lenses. The shutter adapter has its own 11 mm screw extension, and opens up applications in photomacrography for the Rolleiflex 6000 system.

150 mm and 120 mm Imagon lenses (standard mount) can be used with the aid of a small M 39 to M 40 adapter ring (also supplied). The 9 mm and 34 mm extensions tubes are also needed for the 150 mm Imagon to achieve infinity. The 9 mm extension tube is required for the 120 mm Imagon.

(Item No. 59 926)

6 x 6/24 x 36 slide copying stage
Permits direct copying of slide originals. Comprises a lens coupling ring, a 6 x 6 cm (2¼ x 2¼ in.) and 24 x 36 mm slide holder, fine focusing drive and SL 66 extension bellows. Used with the Rolleiflex 6008 bellows unit.

(Item Nos. 97 112, 97 122, 97 116, 97 107)
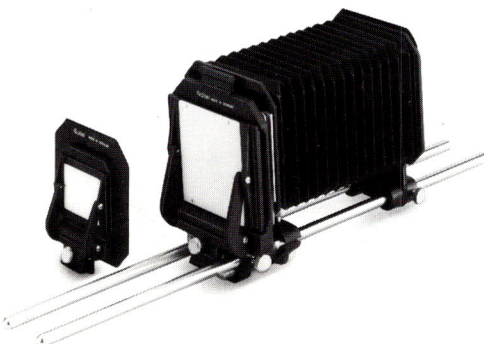
Power supplies

Spare NiCd power pack
Interchangeable pack for extra power during long shooting sequences.

(Item No. 97 995)

External battery connector
Keeps the power pack outside the camera, for a reliable power supply in very cold weather: you carry the battery in a warm pocket. Comprises extension lead and connectors to plug into the power pack and into the camera's battery compartment.   (Item No. 98 200)
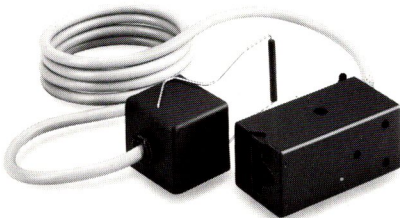
Rapid charger (supplied with camera)
100 – 240 volts, 50/60 Hz, with automatic rapid-charge limiter. Signals rapid and normal charge operation. Rapid charge takes about 1 hour, normal charging 14 hours. 12 volt input from car battery, plug-in AC supply lead.

(Item No. 97 765)

Car battery lead
To run the charger off a 12 volt car battery; plugs into the car's cigarette lighter. Charging time 12 hours.

(Item No. 91 187)

Special release systems

MRC 120 electric multi-exposure remote release
Plugs into the camera's universal remote outlet; can trigger single or multiple exposures and prerelease the mirror.

(Item No. 98 875)

RC 120 electric remote release
Control unit with 40 cm (16 in.) cable for remote releasing and mirror prerelease. Also available with 5 m and 10 m (16½ and 33 ft) cable.

(Item Nos. 98 874, 97 983, 97 984)

FRC 1 remote footswitch
Electric remote release for exposing when both hands are occupied, e. g. with the camera mounted on a microscope or copying stand. Large footswitch is connected by a 2.5 m (8¼ ft) lead.

(Item No. 98 389)

Timer
For specially long sequences. Can trigger 1 to 999 exposures at intervals of up to 59 hours and 59 minutes. Quartz control maintains the intervals with extreme precision (within $\frac{1}{200000}$ sec) to meet most exacting scientific requirements.

(Item No. 98 130)

RC 03 IR remote control set
Can release single exposures or sequences, also multiple exposures and long time exposures. It has a range of 60 m or 200 ft. Also possible to remote release a second and third Rolleiflex camera, either synchronised or independently. Both the transmitter and receiver are compact light-weight units and very easy to operate. Visible check signals indicate transmission and reception, the battery condition and the duration of sequences and long time exposures. Cable-less remote releasing makes many interesting and otherwise inaccessible exposures possible – from unobserved candid shots by a hidden camera to recording camera-shy wildlife from safe distances.

(Item No. 98 852)

ME 1 multi-exposure control unit
Permits remote-controlled multiple shots on the same film frame for stroboscopic effects; up to ten successive exposures at intervals between 0.1 and 1.5 sec. Offers fascinating new applications and unusual results: phase records of engineering events; movement analysis of children, sports and animals; alternative operating positions of machinery etc and other multi-exposure effects.

(Item No. 98 104)
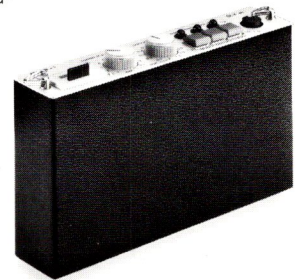
Simple and reliable flash

Rollei SCA 356 dedicated flash adapter
This adapter is the interface module for dedicated auto flash operation, including TTL flash duration control. Works with all flash units of leading European brands compatible with the SCA 300 system. The SCA 356 fits in the 6008's hot shoe and takes the flash unit either directly or via a cable link. The adapter also provides the feedback of flash signals (flash ready and auto check) to the camera.

(Item No. 97 661)

Rollei FM 1 flash meter
The FM 1 is a sophisticated precision meter for exact TTL flash exposure readings with studio or other flash units. The FM 1 fits in the camera's hot shoe. The internal camera sensor measures the flash light reflected from the film surface (or from a special metering back) and feeds the result to the FM 1. A highly sensitive meter display then shows whether the exposure was correct, or indicates in EV steps the required aperture or flash power adjustment.

(Item No. 97 680)

Rollei MF 2 Macroflash
In conjunction with the Rollei SCA 356 adapter, the Macroflash kit permits accurate close-up flash exposures with TTL flash metering. This simultaneously controls two Metz flash units of metric guide No. 32 (with ISO 100 film), with swing and tilt reflectors. For more varied lighting control (e.g. main and fill-in light) you can also operate the flashes manually.

(Item No. 97 714)

A firm grip for every occasion

Action grip
Supplied with the Rolleiflex 6008, this ergonomically shaped grip permits convenient one-handed shooting. Locks into four positions for waist-level or eye-level viewing with the hood and prism finders. Adjustable and removable leather hand strap as an accessory. Grip also available in a heavy-duty version.

(Item Nos. 89 722, 59 901)

Quick focusing lever
For more convenient lens focusing; clamps to the focusing ring of non-zoom 40 mm to 250 mm lenses.

(Item No. 98 029)

Quick tripod coupling
For rapid mounting of the camera on the tripod. The coupling shoe can remain permanently on the tripod.

(Item No. 96 725)

Tele-converters

2 x HFT tele-converter
Designed for standard, tele and zoom lenses, it doubles the focal length (and changes the f-number by 2 stops) of the prime lens used. The elaborate optical system maintains virtually the full definition of the prime lens.

(Item No. 98 253)

Schneider Longar 1.4 x HFT tele-converter
High-grade tele-converter giving a 1.4 times extension of the focal length. Specially computed for the high-aperture f2/80, f2.8/180 and f4/300 mm lenses. Ideal for various applications, also in conjunction with all other tele focal lengths. The aperture values change by one stop only, thereby allowing favourable maximum apertures even for focal lengths extended 1.4 times. For example, the 180 mm Tele-Xenar f/2.8 becomes a super 250 mm f/4 tele lens.
The Longar 1.4 converter **must not** be combined with the 80 mm Planar f/2.8 as the exit pupil of the Planar will damage the entrance pupil of the converter.

(Item No. 59 670)

Filters and soft-focus attachments

Size VI filters for black-and-white film
Four filters are available: Medium yellow (–1.5 EV), green (–1.5 EV), orange (–1.5 to –3 EV), and light red (–2 to –3 EV) as correction, contrast and effect filters with black-and-white films. The medium yellow filter is also available in a 104 mm bayonet fitting for the PCS-Super-Angulon lens and as a 95 x 1 mm screw-in filter for the Variogon lenses.

(Item Nos. 96796, 96808, 96800, 96812)

Size VI filters for colour films
The R 1.5 conversion filter corrects blue casts, cuts out UV rays and increases image contrast. The UV-absorbing filter improves colour rendering and eliminates definition losses due to UV radiation. Used primarily for seaside and high mountain views.

(Item Nos. 96803, 96820)

Size VI polarising filter
The circularly polarising filter effectively reduces or cuts out reflections from non-metallic surfaces such as water, glass or plastics. The polarising filter also boosts contrast, cuts haze and absorbs UV.
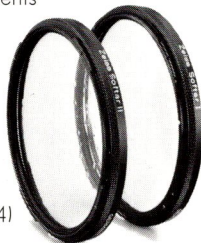
(Item No. 96841)

Size VI Zeiss Softar I and II soft-focus attachments
These soft-focus attachments create dreamy romantic effects, ideal for landscapes and still life subjects. They also suppress skin blemishes in portraits. The Softar II is stronger in action.

(Item Nos. 96900, 96904)

There is also a size VI filter holder for 75 x 75 mm filter films, and a 104 mm bayonet holder for 100 x 100 mm filters. Further filters are available from B + W Filterfabrik, Bad Kreuznach, Germany.

Lens hoods

Size VI lens hoods
Two hoods with external bayonet for 80–250 mm and for 50 and 60 mm lenses.

(Item Nos. 96752, 96741)

Special lens hoods
For 40 mm Zeiss Distagon f/4 or 40 mm Schneider f/3.5, and for 180 mm Tele-Xenar f/2.5 lenses. The 40 mm hood is pushed onto the lens from the outside and clamped into place by an adjustable ring. Inside the hood for the 40 mm f/4 lens there is an M95 x 1 screw-in thread for filters. The hood for the 180 mm f/2.8 lens has a 104 mm outside bayonet fitting. Filters remain on the lens.

(Item Nos. 60471, (4/40), 60472 (3.5/40), 98839 (2.8/180))

Size VI bellows lens hood
The extending bellows hood screens off unwanted back and side light. Extension scale marked for focal lengths of 80 and 120–250 mm. Complete with screening masks for 120 and 250 mm lenses. A rear slot takes 75 x 75 mm sheet filters.

(Item No. 98080)

Outfit cases and housing

Aluminium case
Sturdy, PVC coated wooden/aluminium construction in cabin baggage size. Impact and scratch resistant. Approximate inside dimensions are 370 x 315 x 140 mm (14.5 x 12.4 x 5.5 in.), with a 20 mm (0.8 in.) high lid. Fitted with carrying grip, shoulder strap and two safety locks. Interior compartments can be varied and offer plenty of room for lenses, film magazines, accessories and films.

(Item No. 98519)

Leather holdall
High-quality, practical holdall made from padded black nappa leather with two front outside pockets. Interior compartments can be varied. Adjustable shoulder strap made from extra-strong nylon fabric, with shoulder pad for extra comfort. Approximate inside dimensions (width x height x depth) 320 x 200 x 165 mm (12.6 x 7.9 x 6.5 in.).

(Item No. 98269)

Type

Single-lens rollfilm reflex camera system with electronic microcomputer control, multi-mode exposure control, multi-function TTL metering, automatic TTL flash control, motorised film transport and action grip.

Picture sizes

6 x 6 and 4.5 x 6 cm (2¼ x 2¼ and 1¾ x 2¼ in.)

Film types

No. 120 and 220 rollfilm for 12/24 exposures 6 x 6 cm or 16/32 exposures 4.5 x 6 cm, 70 mm film, Polaroid peel-apart filmpacks for 8 exposures 6 x 6 cm.

Film speeds

Set on magazine in ⅓ steps from ISO 25/15° to 6400/39°.

Shutter

Electronically controlled leaf shutter, 1/1000 to 30 sec and B with direct-drive control by two linear motors built into each lens.

Exposure metering

1. Centre-weighted multi-zone readings with seven silicon photocells set in five groups behind the instant-return mirror;
2. spot readings by a central photocell with approx. 3° acceptance angle;
3. multi-spot readings as a mean of up to five stored spot readings. Automatic stray light compensation during reading and exposure.

Exposure control modes

1. Shutter speed-priority AE – sets aperture;
2. aperture-priority AE – sets speeds;
3. programmed AE – sets apertures and speeds, fast-speed bias;
4. manual with LED balance to nearest ⅓ step.

Measuring range

EV 3 to EV 19 with f/2.8 lens and ISO 100 film (1 to 66 000 cd/m²).

Reading memory

Operative in all automatic modes, stores aperture/speed as EV.

Exposure correction

1. Manually set in ⅓ EV steps from – 4⅔ to + 2 EV;
2. automatic bracketing sequences (S ± setting) with ± ⅔ EV.

TTL auto flash

Further silicon photodiode measures flash in film plane. Ready flash and auto check signals in finder.

Flash synch

All shutter speeds from 1/500, or 1/800, to 30 sec. Hot shoe with central synch and dedicated contacts for flashes compatible with SCA 300 system via Rollei SCA 356 adapter, also for Rollei FM 1 flash exposure meter.

Release

Solenoid controlled, on camera front at right and on shutter speed dial. Cable release and remote control outlets.

Depth of field preview

By stopdown key.

Lens mount

Rollei bayonet fitting with 10-pole terminal strip to transmit iris and shutter drive pulses. Maintains full exposure control even with bellows, extension tubes and retro adapter.

Lenses

Interchangeable type PQ and PQS Zeiss and Schneider lenses permit full-aperture readings with all metering and exposure control modes, switching to working aperture for depth of field preview. Zeiss and Schneider lenses not marked "PQ Lens" can be used in all modes but only with working aperture readings.

Multiple exposures

Switch position ME on camera disengages film transport for multiple exposures with continued finder viewing. Takes ME 1 multi-exposure control unit (up to 10 exposures/sec).

Reflex mirror

Prereleasable instant-return mirror with partially (20%) transmitting multicoating and pneumatic mirror brake.

Finder system

Supplied with folding hood and interchangeable swing-up magnifier; alternative 45° and 90° prism finders and rigid magnifying hood. Five interchangeable screens.

Finder display

Digital LEDs for aperture and speed (with one-third step indications), balance LED signals for manual settings, exposure correction, spot/multi-spot mode, flash ready and auto check, battery state. Exposure signals can be switched off.

Film transport

Automatic with built-in high-performance motor. Single exposures and sequences of up to 2 frames in 1 sec. Automatic film advance to frame No. 1 on loading, automatically winds up backing paper at end.

Power supply

Rechargeable NiCd sinter battery, charge capacity up to 500 exposures (at normal room temperature). Rapid charger (110 – 240 V, 50/60 Hz), automatically switches to trickle charging. 12 V lead for car battery.

Action grip

Engages in four positions for use with waist-level hood or eye-level prism finders. Removable, with removable hand strap.

Interchangeable film magazines

For 6 x 6 cm pictures on No. 120 film, 6 x 6 on No. 220, 4.5x6 cm on No. 120, 4.5x6 on No. 220. Built-in frame counter, laminar drawslide, film speed settings (with electric input to camera), film type indicator and preloadable film inserts. 70 mm and 70 Data magazines for 60 – 70 exposures; Polaroid back for eight 6 x 6 cm exposures on Polaroid film packs.

Also takes Rollei 6006 film magazines; these simulate ISO 100 film speed input. Exposure correction range provides further effective film speeds. Rollei can convert earlier magazines. Rollei Digital ScanPack for electronic image processing in digital photography and photo-reproduction.

Outlets

Universal 14-pole outlet for multi-exposure control unit, timer, remote release switch, footswitch, infrared remote release and SRC handpiece for electronic image processing operations. Quick-release tripod coupling, ¼ and ⅜ in. tripod bush.
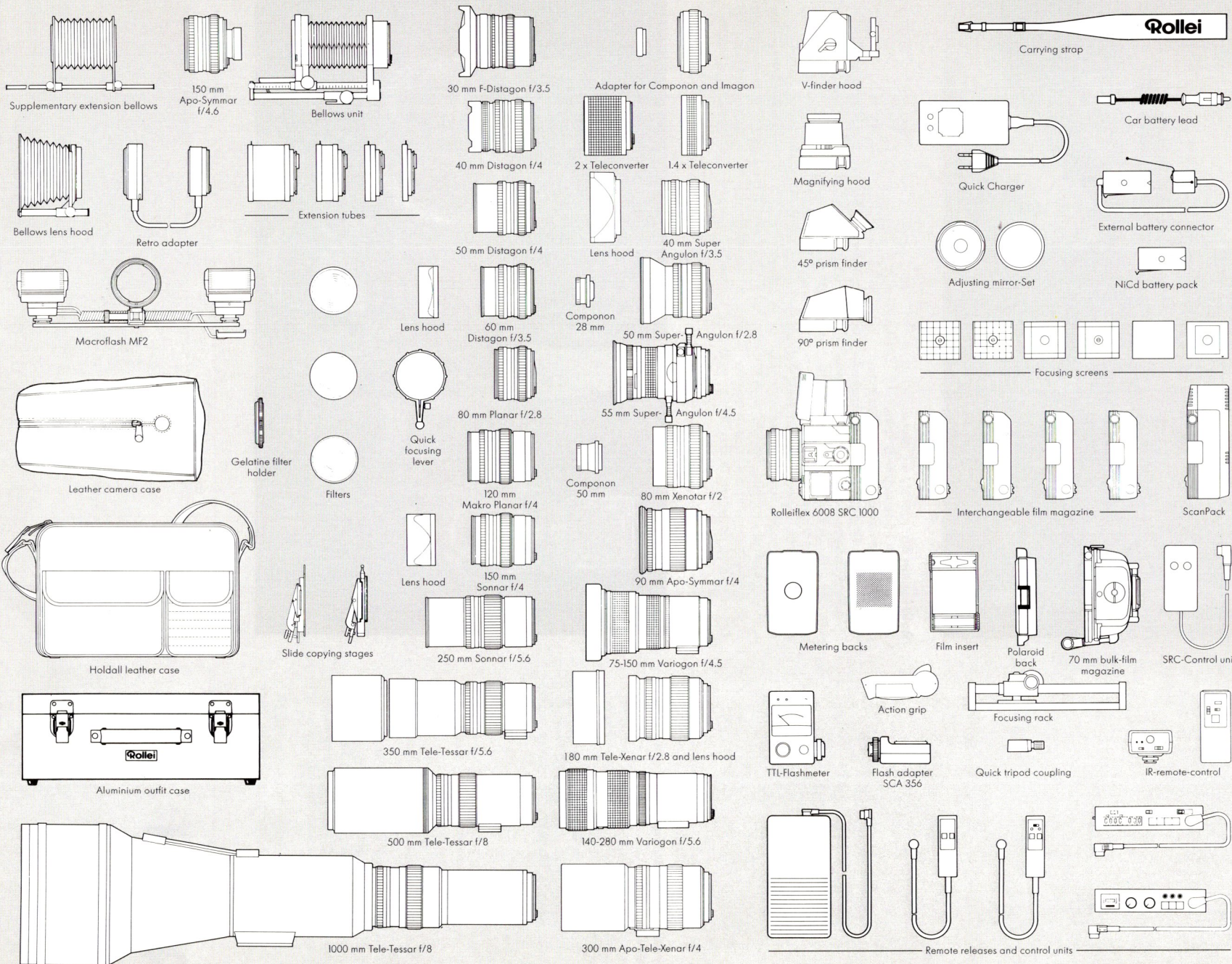
Size (width x height x depth, without action grip)

Without lens: 143 x 139 x 124 mm (5.6 x 5.5 x 4.9 in.) With 80 mm f/2.8 lens: 143 x 139 x 176 mm (5.6 x 5.5 x 6.9 in.)

Weight

Without lens: 1450 g (51 oz)
With standard 80 mm f/2.8 lens: 2060 g (72 oz).

Subject to modification.

Supplementary extension bellows

150 mm
Apo-Symmar
f/4.6

Bellows unit

30 mm F-Distagon f/3.5

Adapter for Componon and Imagon

V-finder hood

Carrying strap

Bellows lens hood

Retro adapter

Extension tubes

40 mm Distagon f/4

2 x Teleconverter   1.4 x Teleconverter

Magnifying hood

Quick Charger

Car battery lead

External battery connector

Macroflash MF2

Gelatine filter
holder

Lens hood

Quick
focusing
lever

Filters

50 mm Distagon f/4

60 mm
Distagon f/3.5

80 mm Planar f/2.8

120 mm
Makro Planar f/4

Lens hood

150 mm
Sonnar f/4

250 mm Sonnar f/5.6

Lens hood

Componon
28 mm

Componon
50 mm

40 mm Super
Angulon f/3.5

50 mm Super-Angulon f/2.8

55 mm Super-Angulon f/4.5

80 mm Xenotar f/2

90 mm Apo-Symmar f/4

75-150 mm Variogon f/4.5

45° prism finder

90° prism finder

Rolleiflex 6008 SRC 1000

Adjusting mirror-Set

Focusing screens

Interchangeable film magazine

NiCd battery pack

ScanPack

Leather camera case

Holdall leather case

Slide copying stages

350 mm Tele-Tessar f/5.6

500 mm Tele-Tessar f/8

1000 mm Tele-Tessar f/8

180 mm Tele-Xenar f/2.8 and lens hood

140-280 mm Variogon f/5.6

300 mm Apo-Tele-Xenar f/4

Aluminium outfit case
Rollei

Metering backs

Film insert

Polaroid
back

70 mm bulk-film
magazine

SRC-Control unit

Action grip

Focusing rack

TTL-Flashmeter

Flash adapter
SCA 356

Quick tripod coupling

IR-remote-control

Remote releases and control units

Professional slide projection: Rolleivision 66

As a company with a long and successful tradition of producing medium-format cameras incorporating advanced technology, Rollei are also in a position to offer top-performance 6 x 6 professional slide projectors.
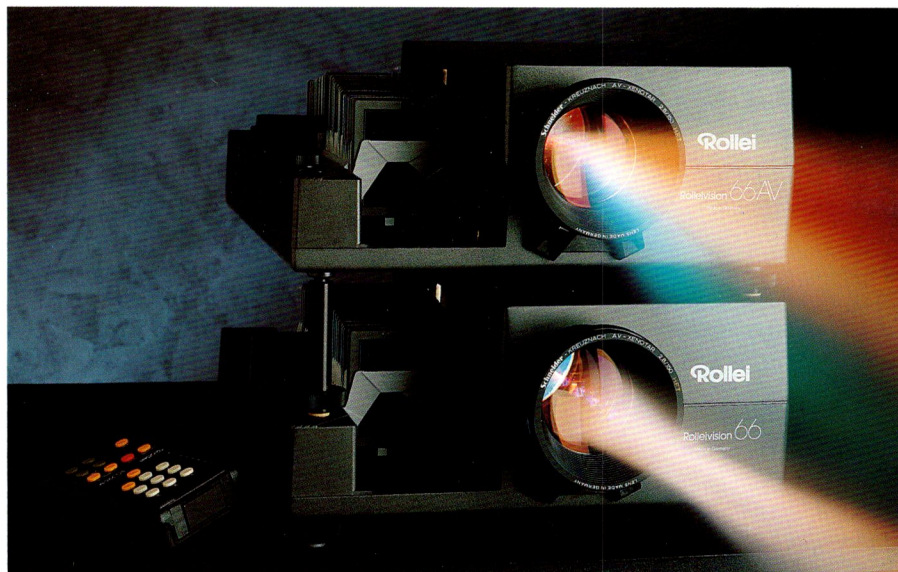
Rolleivision 66: robust twin belt drive for standard 77 or hook-together Rollei CM 77/30 magazines providing continuous projection from a series of magazines. Automatic multiple slide-change system, autofocus system with override, 24 V/250 W halogen lamp with aspheric condenser system, stepless brightness control by dimmer, heat filter, cable or IR remote control, interchangeable lenses with focal lengths ranging from 90 to 400 mm. Perfect projection with dissolves using two Rolleivision 66 projectors in conjunction with the Rollei MD 230 or other makes of control unit.

Rolleivision 66 AV: with the additional feature of automatic switching to replacement lamp (with LED indicator), increased light output with coated condensers, timer and auto-reverse facility for automatic step-through return to slide No. 1 or to slide compartment marked by reflecting spot, to restart with preset timer interval (continuous projection) in professional and semi-professional applications.

Discriminating photographers can never ignore Rollei

For amateur and professional photographers alike, the name "Rollei" is a byword for pioneering photographic technology. And Rollei have continually borne this claim out over the decades. Today Rollei are among the leading manufacturers in the field of top-quality equipment design.

- Rollei – Germany's No. 1 in 6 x 6 medium-format cameras.
- Rollei – leading suppliers of 6 x 6 slide projectors for private, semi-professional or professional use.
- Rollei – sole manufacturers of professional 35 mm SLR cameras with interchangeable magazines.
- Rollei – leaders in top-quality 35 mm slide projection, with their unique dissolve technology using **one** projector and **one** magazine, incorporating the latest microprocessor control and user-friendly memory systems.

People who choose Rollei choose an idea – the most advanced photographic technology available.

Rollei
fototechnic

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