Rolleiflex SL 66 SE
Rolleiflex SL 66 X

The Camera Range for Greater Creativity in Medium Format

Rollei
fototechnic

Rollei: Pioneers of Perfection and Progress in Medium-Format Photography

Rollei has written more than half a century of photographic history. Many Rolleiflex cameras have made a significant contribution to the progress of photography. One of the best-known models, the twin-lens Rolleiflex 2.8 F, is still much sought after by connoisseurs.

Leaders by Tradition

The introduction of the revolutionary Rolleiflex 6 x 6 by Reinhold Heidecke in 1929 marked the birth of a new camera concept, one which was to shape the course of professional photography for decades. Before long, the Rolleiflex 6 x 6 had become the obvious choice of camera for the professional photographer.
Just eight years later, another Rollei model, the Rolleiflex Automat 6 x 6, was singled out for the "Grand Prix" at the 1937 World Exhibition in Paris. This event triggered off the manufacture of a whole series of successful cameras, culminating in the highly innovative Rolleimagic 6 x 6. When this model came onto the market in 1960, its automatic exposure control made it the most advanced camera of its time.
In 1966, another new development from Rollei set the photographic world abuzz. This was the single-lens Rolleiflex SL 66 which had an interchangeable magazine and tilting bellows – features previously found only in large-format cameras. When Rollei moved into the electronics field in 1976, they again came out with a revolutionary camera design: the Rolleiflex SLX, the first medium-format camera with electronic control. They went on to develop the Rolleiflex 6006 in 1983, followed by its sister model, the Rolleiflex 6002 in 1985. These are the first medium-format professional cameras with automatic flash and exposure control, built-in motor and the new-style rapid film-change system.
In 1982, Rollei Fototechnic GmbH had successfully launched the Rolleiflex SL 66 E – their mechanical medium-format camera with built-in exposure metering and TTL automatic flash. The improved versions of this model, the Rolleiflex SL 66 SE and the Rolleiflex SL 66 X, represent peaks in Rollei's development of mechanical medium-format cameras. These new models ingeniously combine state-of-the-art precision engineering and rapid electronic exposure control.

The 6 x 6 (2¼ x 2¼) Format – The Ideal Compromise

Most photographers are continually striving to achieve better picture quality. For this, they need creativity and a steadily improving picture-taking technique. And a professional camera system with the right picture format. The 6 x 6 medium format represents the ideal compromise between unwieldy view cameras and the restricted quality achievable with 35 mm models.
Medium format offers four times the area of 35 mm, with correspondingly superior enlargements and reproductions. The medium-format camera also has all the advantages of a handy portable camera. The large, bright image in the ground-glass focusing screen is an aid to good photographic composition. Using the 6 x 6 format, the photographer is always ready to take whatever type of shot he feels like, i.e. his choice of subject is generally not restricted by camera format. For this reason, almost all professionals and many serious amateurs nowadays prefer medium format.

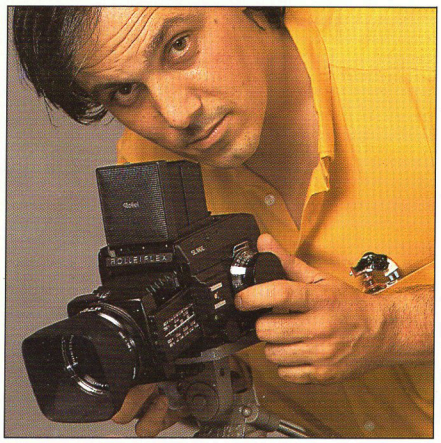
Rolleiflex SL 66 SE and Rolleiflex SL 66 X
The State of the Art in Medium Format

Outstanding results can be achieved more easily and reliably with the advanced technology of a professional camera system.
These cameras incorporate the very latest developments in photographic technology but are easy and straightforward to operate. Now that the Rolleiflex SL 66 SE and the Rolleiflex SL 66 X are on the market, very few technical obstacles stand between the photographer and the realization of his creative ideas.
The main features of these systems are:

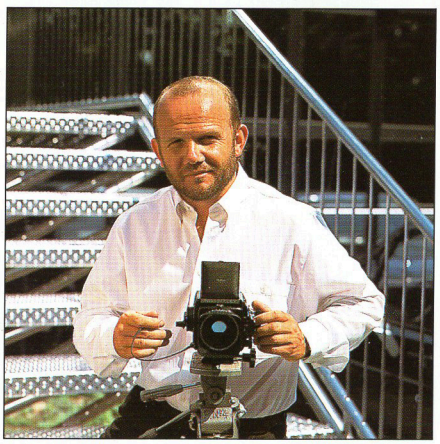
- Mechanical SLR cameras for 6 x 6 (2¼ x 2¼) and 4.5 x 6 (1⅝ x 2¼) format
- Built-in bellows for close-up photography without accessories
- Lens mounting with ± 8° tilt for application of the Scheimpflug principle (extended depth of field)
- TTL exposure metering. Can be switched from spot to integral metering (on the Rolleiflex SL 66 SE)
- TTL automatic flash control with flash metering at the film surface

- Focal plane shutter, 1 to 1/1000 sec and B
- Professional film magazine for 6 x 6 (2¼ x 2¼) or 4.5 x 6 (1⅝ x 2¼) format or Polaroid stock
- Top-performance Zeiss lenses from 30 to 1000 mm.

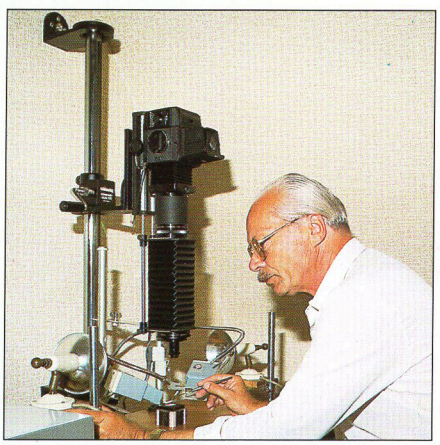
Both these cameras are distinguished by their great versatility, which is why they are so popular with serious photographers in many different fields of photography.



P. Bouvier, portrait photographer
"I often use the Rolleiflex SL 66 E for portrait photography, both in the studio and outdoors for subjects with interesting and sometimes difficult backgrounds. And as the SL 66 model has additional advantages for still life photography, it's unbeatable as an all-round camera as far as I'm concerned."



M. Zimmermann, industrial photographer
"With the built-in bellows on the SL 66, I can switch from the overall picture to the close-up region at any time, i.e. from the facade of a skyscraper to the most finely structured surface of a new material. The whole spectrum of professional photography can be mastered with these cameras."



A. Jung, scientific photographer
"With its built-in TTL exposure metering and the possibility of extended depth of field using the Scheimpflug principle, the SL 66 system represents a breakthrough in macro and magnification photography. In all the years I've worked as a professional photographer I've never used a camera I've liked as much as this."

ROLLEIFLEX SL 66 SE
ROLLEIFLEX SL 66 X

The Basis of a Perfect System

The photographer can now rely on professional-quality mechanics without giving up the precision and speed offered by modern methods of exposure metering. The Rolleiflex SL 66 SE has built-in exposure metering which can be switched from integral to spot readings. In this sense, it is a "universal" camera, i.e. it can be used in the studio or outdoors, in constant or changing light conditions. Even when the battery is low, all the camera features apart from exposure metering remain fully operational.

The Rolleiflex SL 66 X is the ideal camera for assignments carried out mainly in constant light conditions, e.g. studio photography. Aperture and shutter speed are balanced using external metering. With this camera, even difficult shots, i.e. in the close-up or macro range, can be taken without major problems. This model also incorporates the modern TTL automatic flash system, which monitors and controls the flash light at the film.

① Interchangeable magzine for 6x6/120, 6x6/220, 4.5x6/120 or 4.5x6/220 film
② Frame counter
③ Lock for magazine back
④ Shutter speed dial
⑤ Viewfinder release catch
⑥ Interchangeable hood viewfinder
⑦ Exposure correction switch (SL 66 SE)

1 2 3 4 5 6 7 8

16 15 14 13 12 11 10 9

⑧ Interchangeable lenses from 30 to 1000 mm

⑨ Double-bayonet lens mounting for lens accessories or reverse mounting

⑩ Quick-release tripod coupling with 3/8" bush

⑪ Built-in bellows for close-up and macro range, with ± 8° tilt for extended depth of field

⑫ Shutter release with locking device and cable release socket

⑬ Fast-action crank for cocking the shutter and winding on the film (film transport can be disengaged for multiple exposures)

⑭ Magazine release catch

⑮ Film speed adjustment from 15 to 39 DIN/ 25 to 6400 ASA

⑯ Crank for leading in and winding up the film

⑰ TTL exposure metering with switch for integral or spot metering (SL 66 SE)

⑱ Magazine darkslide grip

⑲ Distance scale

⑳ Depth of field scale

㉑ Focal length indicator

㉒ Film label holder on magazine back

㉓ Rotary knob for distance adjustment and depth of field. Can be set for focal lengths of 50, 80, 150 and 250 mm

㉔ X-contact for connection of flash synchronizing lead

㉕ Clamp knob for tilting bellows ± 8°

㉖ Hot shoe with centre contact and contacts for electronic flash units using the TTL automatic flash control

㉗ Battery monitor

㉘ Slide rail with scales for extension, magnification factor, lens tilt and exposure correction (for use with external light meter)

㉙ Lockable stop-down button for checking depth of field before taking the picture

ROLLEIFLEX SL 66 SE
ROLLEIFLEX SL 66 X

The Whole Spectrum of Professional Photography

The wide range of applications of the Rolleiflex SL 66 SE and the Rolleiflex SL 66 X is more than ample proof that these models represent the most advanced examples of pioneering photographic technology. This camera system successfully combines robust, reliable mechanics with fast-acting electronics that virtually make wear and tear a thing of the past. The system incorporates built-in bellows with a tilting lens holder, automatic flash with TTL flash exposure metering off the film, a range of lenses that leaves nothing to be desired – and much more. Every part of these cameras is built to the highest standards of precision. The truth is that these models are the envy of camera manufacturers all over the world! In terms of improved picture quality, they open up almost unlimited possibilities in every branch of classical photography.

P. Bouvier

M. Zimmermann

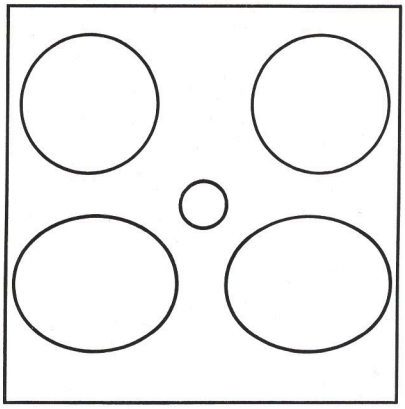
Grauel + Uphoff

A. Jung

M. Zimmermann

J. Distler

Built-in TTL Exposure Metering – Spot or Integral Metering at the Flick of a Switch – For the Last Word in Picture Quality



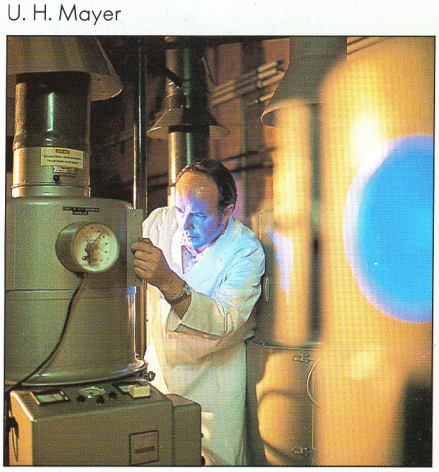
The Rolleiflex SL 66 SE has the most reliable exposure metering system available on the market today: through-the-lens metering built into the camera body. LED indicators in the viewfinder show red for over- or under-exposure, yellow when the exposure deviates by half a stop, or green for the correct exposure. Exposure can be balanced with aperture or shutter priority. This method of exposure control simplifies and speeds up the photographer's work and ensures reliable measurements. The built-in exposure electronics provide problem-free camera operation, even with difficult shots or subjects. Angle of view and extension factors are automatically taken into account by the meter and remain fully operational with all the finder systems.

But the Rolleiflex SL 66 SE offers even more than this! The measurement characteristics can be set to either spot or weighted integral metering (simultaneous-multi-spot-measurement). With integral metering, the centre-weighted silicon cell is connected up with four other photocells aimed at various points in the image field. This extensive metering not only provides a higher weighting in the lower half of the image, but also substantially compensates for any stray light entering through the viewfinder. This dual metering system makes the camera ideal for any photographic situation. It offers integral metering for relatively evenly lit large-area subjects and spot metering for back-lit shots and subjects with high contrast.

J. Distler

M. Zimmermann

U. H. Mayer



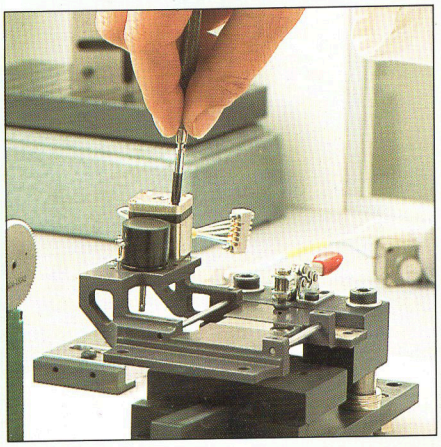
ROLLEIFLEX SL 66 SE
ROLLEIFLEX SL 66 X

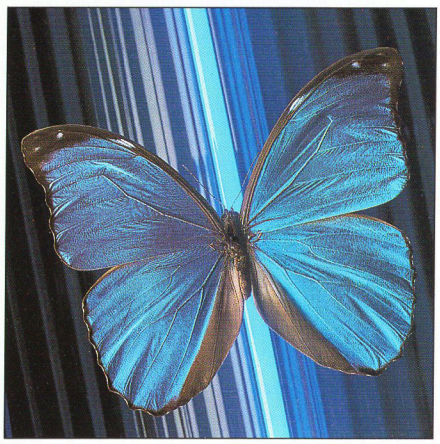
Through-the-Lens Flash Metering: for Reliable Results in the Studio or Outdoors

The flash metering system in the Rolleiflex SL 66 SE and SL 66 X incorporates the very latest photographic technology. When used in conjunction with automatic flash units and a special adapter on the SCA 300 system (e.g. Rollei SCA 356), a sensor monitors the light falling on the film through the lens during the exposure. It then meters out the flash energy required for the particular subject. This process automatically takes account of extension factors for filters, extension tubes or bellows – an invaluable asset, particularly in the close-up and macro range. And experienced photographers know that this is where exposure control is the most difficult, so the Rollei SL 66 accessory range includes a special macro flash.

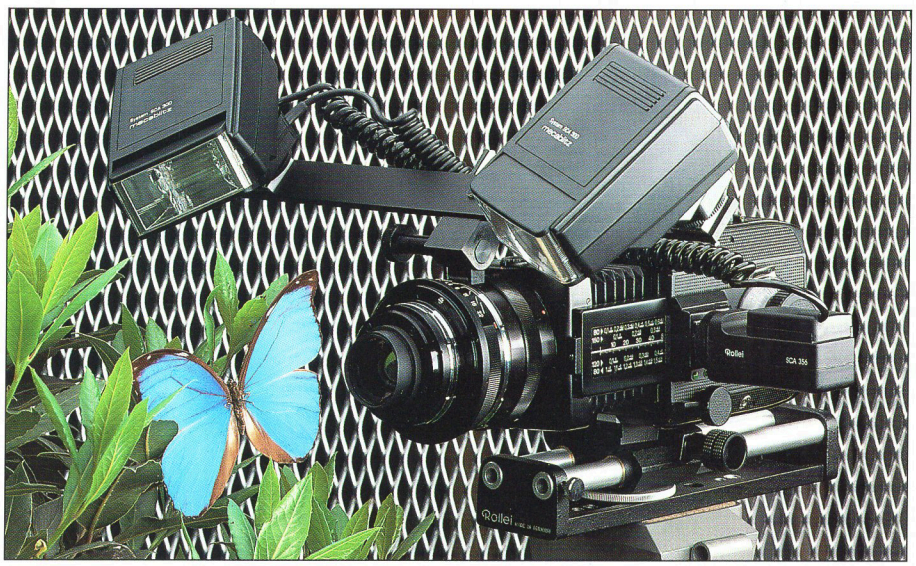
Automatic flash can also be used with professional studio flash equipment, in conjunction with the FMI TTL flash exposure meter. The quantity of light can be regulated by adjusting the camera aperture or the light output of the flash equipment. For the trial flash required to balance the exposure, metering camera backs are available with spot or integral readings.

J. Distler P. Kaus





P. Kaus



F. Thewalt

Unique Feature: the Built-in Tilting Bellows with Three Different Applications

The Rolleiflex SL 66 SE and SL 66 X have a built-in bellows for distance adjustment, which can also be tilted up to ± 8° in the vertical plane. This device offers the photographer additional advantages and creative opportunities:

1. Extended depth of field by tilting the bellows (the so-called Scheimpflug* effect)
2. Access to close-up and macro photography without accessories, especially when using a reverse-mounted lens
3. Shorter distance from the subject, even with long-focus lenses (e. g. 60 cm with 150 mm focal length)

Photos Sharp Right to the Edge: No Other Camera Can Offer This Kind of Quality!

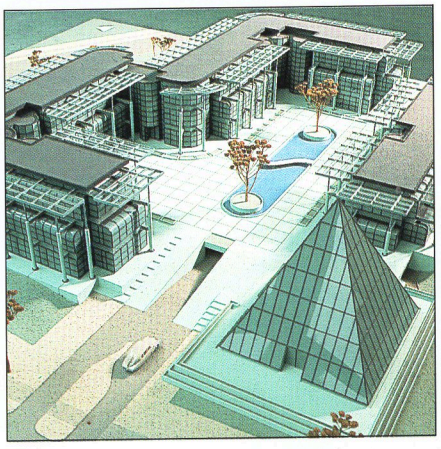
By tilting the bellows ± 8° relative to the film plane, the depth of field can be significantly increased without altering the aperture. This is an advantage when poor light conditions require a wide aperture.
Or when the edges of the subject extend further than the depth of field available with the smallest aperture.
The Scheimpflug* principle provides the answer to the problems of photographing subjects with vertical surfaces, e. g. in architectural photography (fronts of buildings, facades, walls, frescos, painted ceilings, etc).
And it has its advantages in table-top photography too. Less flat subjects can be brought into sharp focus by stopping down. This procedure is particularly useful when employed in conjunction with the PCS-Rolleigon shift lens (see page 18).

* Named after the man who discovered it, the geodetic surveyor Theodore Scheimpflug. This principle states that if the planes of the film, lens and subject can be made to converge, the resulting image will be sharp overall.

M. Zimmermann

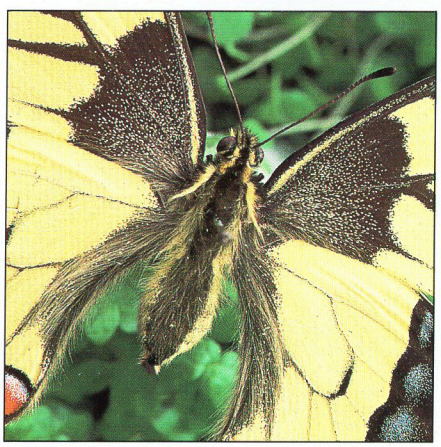
Grauel + Uphoff

P. Kaus

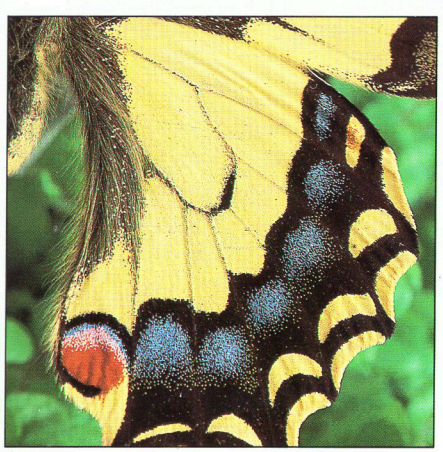


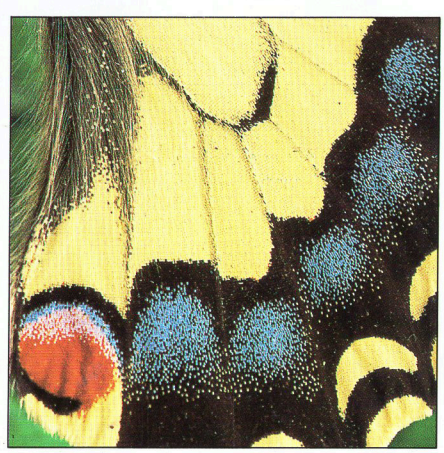
Close-up and Macro Photography with Reverse-mounted Lenses
With the bellows, close-up and macro photography are possible without any other accessories. In particular, the image scale can be significantly increased without any need for extra equipment by simply mounting the lens back to front. For example, over 3:1 can be achieved with a 50 mm wide-angle lens. The lenses that can be reverse-mounted on the SL 66 SE and SL 66 X are the f4/50 mm, f3.5/60 mm, f2.8/80 mm and f5.6/120 lenses. With the aid of the scales on the bellows extension, the camera can be set directly to the required magnification for each focal length. For superior reproduction, the image scale should be greater than 1:1.

Shorter Subject Distance – even with Longer Focal Lengths
The full extension of the bellows is 50 mm. With the standard f2.8/80 mm lens, a bellows movement of 7.5 mm covers the range 1 m to ∞. The remaining 42.5 mm extension is available for close-up photography. The scales on the slide rail also show, next to the magnification factors, the exposure value corrections for three lenses (80, 120, 150 mm). (This is only significant for the Rolleiflex SL 66 X, since the SL 66 SE has automatic exposure metering). A millimetre scale is a further aid to precision.



P. Kaus





The Rolleiflex Interchangeable Magazine System: the Right Film for Every Situation

Photographers know the situation only too well: a new subject or a fundamentally different interpretation calls for a change of film stock. Or you want to slip in a Polaroid shot to check the lighting. With this in mind, the Rolleiflex SL 66 SE and SL 66 X incorporate a professional interchangeable magazine system. Magazines for 6 x 6/120, 6 x 6/220, 4.5 x 6/120 and 4.5 x 6/220 films were designed in close cooperation with well-known photographers. These magazines can be changed in an instant without losing a single frame. The small, handy crank for leading in and winding up the film, the film speed input facility (for exposure metering), the interchangeable film inserts and the slot for storing the darkslide are just a few of the useful features on these magazines.
In addition, the accessory range includes a cassette adapter for use with sheet film cassettes and a Polaroid magazine for 8.3 x 10.8 cm (3¼ x 4¼ in) Polaroid pack film – types 107, 108, 667, 668, 669 and 665. The Polaroid magazine gives you the choice, for each frame, of exposing two photographs in the 4.5 x 6 format or a single shot in the 6 x 6 format. The use of a single frame for two 4.5 x 6 exposures has obvious advantages for the cost-conscious professional: two lighting or exposure alternatives can be compared on a single Polaroid print.

Peak Lens Performance

The key advantages of a professional camera design are quality and versatility. Here, the lenses available for the camera system are vital. Even the best camera is only as efficient and versatile as its interchangeable lenses. A complete range of lenses was designed for the Rolleiflex SL 66 SE and Rolleiflex SL 66 X in close collaboration with Carl Zeiss.
The outstanding performance of these lenses has earned them a world-wide reputation for being "Made in Germany."

ZEISS
West Germany

Zeiss Lenses: World-Beaters for the World-Class Photographer
Rollei are proud to use the excellent Zeiss lenses, which ensure that their cameras can meet the highest professional demands. Almost a hundred years of experience, combined with the most modern computer-aided design methods, makes every Zeiss lens a world-beater in its field. World-famous lens designs like Tessar, Planar, Sonnar, Distagon and Mirotar provide the highest standards of optical precision and image quality.
Since the highly successful introduction of anti-flare coating by Zeiss in 1935, the close collaboration between Carl Zeiss and Rollei has led to a series of developments that represent milestones in the history of photography. There is the Rollei HFT coating, which guarantees effective suppression of reflections and high colour brilliance. Or MTF measurement, which ensures that each individual Zeiss lens made for Rollei cameras provides both superb correction of residual errors and excellent illumination of the image area.

The range of Zeiss lenses available for the SL 66 SE and SL 66 X represents the state of the art in lens manufacturing technology. These top-quality lenses open up all the possibilities of creative photography.

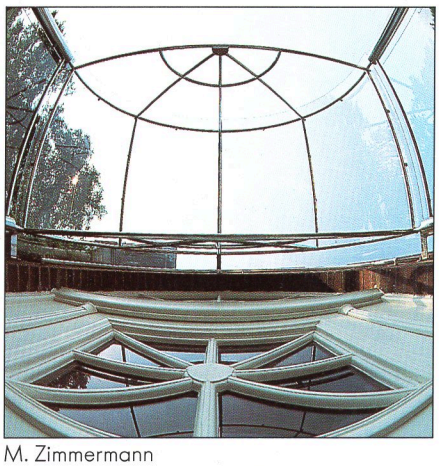
Distagon: the byword for wide-angle lenses embodying the very latest optical designs. Partial use of floating elements to improve image quality, particularly in close-up.
Planar: the development of a design concept (P. Rudolf, 1896) based on reducing the curvature of the image field. Planar designs are ideal for very fast lenses which are often used at full aperture (available light photography).
Sonnar: introduced about 50 years ago and now acknowledged as a pioneering long-focus design (the Sonnar f2.8/180 mm was designed for Leni Riefenstahl to use at the 1936 Olympics). The "Sonnar" designation is now used for Zeiss's computer-aided lens designs in the medium tele range.
Tele-Tessar: the name Tessar was coined in 1902 by P. Rudolf for the triplet lens, which was characterized by its superb image quality. The name of this lens was later changed to Tele-Tessar.
Characteristics: compact shape, resulting from the use of the latest types of glass and new calculation techniques. Excellent results, even at full aperture. Especially suitable for wild life and sports photography.
Mirotar: these are very fast reflex lenses. They are completely free from chromatic aberration and meet the highest demands.

ROLLEIFLEX SL 66 SE
ROLLEIFLEX SL 66 X

Special Tasks Need Special Solutions: Rollei Has Them

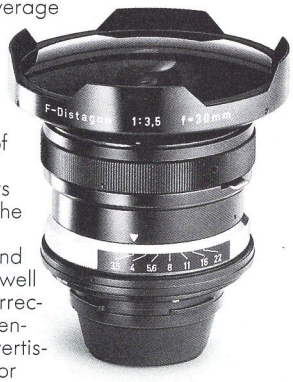
Photography is a fascinating pursuit for people from all walks of life. The tasks and requirements of photographers are just as varied. Rollei offer top-performance professional equipment for unusual and "way-out" applications as well as standard photographic assignments. This is evident from their elaborately developed technology and their range of lenses for special applications.
For instance, the PCS-Rolleigon shift lens with a ball/tilt adapter is an ideal addition to the SL 66 SE and SL 66 X. It opens up the wide field of still life photography and for many jobs makes these models real alternatives to the view camera.
The Luminar magnifying lenses serve a completely different purpose. They give access to subjects that are invisible to the human eye and show fascinating and even disturbing aspects of the microscopic world. Thus, whether it's for architectural photography or macro work, the preparation of photographic records or creative portrait photography, Rollei's advanced camera technology and lens designs have the answer.

The Classic Lenses from Zeiss. From Fisheye to the Standard Focal Length



M. Zimmermann

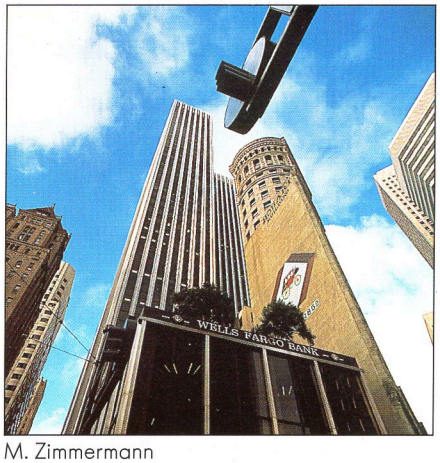
Zeiss F-Distagon f3.5/30 mm HFT
An extra-wide angle lens with fisheye characteristics, very large aperture and exceptional clarity of image. Full utilization of the 6x6 format, good coverage of the image area, even at full aperture. The system produces distortion away from the centre of the image. Interchangeable filters for fitting within the lens: colour conversion, yellow and orange filters as well as a flat glass correction plate. For alienation effects, advertising photos, interior architecture, decoration, astronomical, geophysical and meteorological applications, town planning and photojournalism.



(Art. No. 969500)

Zeiss Distagon f4/40 mm HFT
The extra-wide angle lens with superb correction, broad field of view and high quality optics. Floating elements ensure improved image quality in close-up. For architecture, wide-open landscapes, interiors, still life photography and reportage.

(Art. No. 969525)



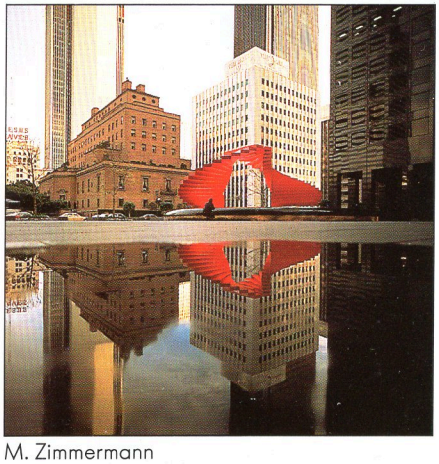
M. Zimmermann

Zeiss Distagon f4/50 mm HFT
A very compact wide-angle lens, but with a wide field of view and particularly good correction. Recommended for landscape views, architecture, interiors and reportage work. In the close-up range it has to be stopped down sharply.

(Art. No. 969530)

Zeiss Distagon f3.5/60 mm HFT
Compact versatile lens in the moderately wide-angle range. These features make it a genuine alternative to the standard 80 mm focal length, since the moderately wide angle allows a broad field of view, without the picture showing any of the typical wide-angle characteristics. The short focusing adjustment together with the large depth of field ensure rapid and reliable focusing.

(Art. No. 969535)



M. Zimmermann

Zeiss Planar f2.8/80 mm HFT
The universally applicable lens of standard focal length. Exceptionally good correction and evenness of field. Maximum sharpness right into the corners of the picture. The relatively large aperture allows exact focusing on the most important part of the image. This lens has an equally outstanding performance when reverse-mounted.

(Art. No. 969540)

Zeiss Distagon f4/80 mm
The standard focal length with a leaf shutter for universal use and for flash photography down to 1/500 sec (thought not, of course, with TTL metering). X and M contact. Can also be used without camera shutter.

(Art. No. 979435)

Top-Quality Zeiss Lenses in the Medium Telephoto Range

Zeiss Makro-Planar f5.6/120 mm HFT
The special lens with high image clarity for reproduction, close-ups (in the reverse-mounted position) and excellent enlargements – e. g. for surveying and exhibitions or advertising work. Adjustable through the whole range from 1 = ∞ to approximately 2:1, the optimum correction being obtained at 1:8. Especially suitable for still life and industrial photography. Can be stopped down to f/45.

(Art. No. 969 550)

Zeiss Sonnar f4/150 mm HFT
A short tele lens with many applications in pictorial and industrial photography. Highly recommended for the portrait studio, but also for subjects filling the whole frame or details shot from a distance.

(Art. No. 969 560)

Zeiss Sonnar f4/150 mm
Special flash lens with leaf shutter, X and M synchronization down to 1/500 sec (not with TTL metering). Can also be used without camera shutter.

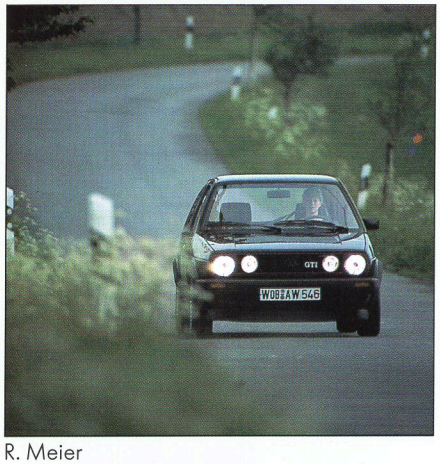
(Art. No. 969 445)

F. Thewalt

Zeiss Sonnar f5.6/250 mm HFT
Classic telephoto lens with over three times the magnification of a standard lens. Clearly well-suited to long-distance photography, but also an ideal lens for group portraits, wild life photography in good light and sports photography – and for taking photographs of individual performers on stage.

(Art. No. 969 570)

Zeiss Super Telephoto Lenses for Every Area of Creative Photography



R. Meier

Zeiss Mirotar f5.6/1000 mm HFT
Mirror lens with the same range of applications as the Tele-Tessar f8/1000 mm, but twice as fast. Supreme optical correction and no change in focal length for infrared photography. The extremely sharp image allows maximum enlargement. Particularly suitable for geologists, biologists and other users who need to make an accurate analysis of their photographs.

(Art. No. 979460)

Zeiss Tele-Tessar f5.6/500 mm HFT
The long telephoto lens for long-distance photography and highly foreshortened perspective, with more than six times the magnification provided by the standard focal length. Ideal for wild life and scientific photography. Extendable lens hood. Use of tripod advisable in most photographic situations.

(Art. No. 969190)

R. Meier

W. Ostgathe

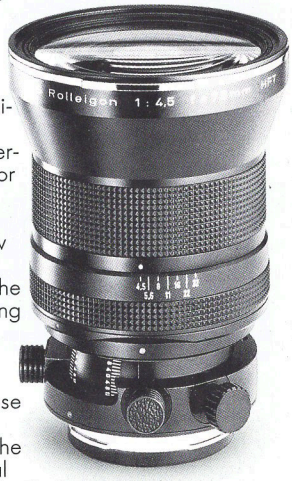
Zeiss Tele-Tessar f8/1000 mm
The telephoto lens with 12.5 times greater magnification than the standard lens. Used to photograph very distant subjects or inaccessible places. Also ideal for architectural studies of very tall buildings, photos of shy wild life, etc. This lens comes with a lens hood and a removable tube for insertion of filters within the lens. A bush allows the tripod to be mounted directly on the lens housing.

(Art. No. 979450)

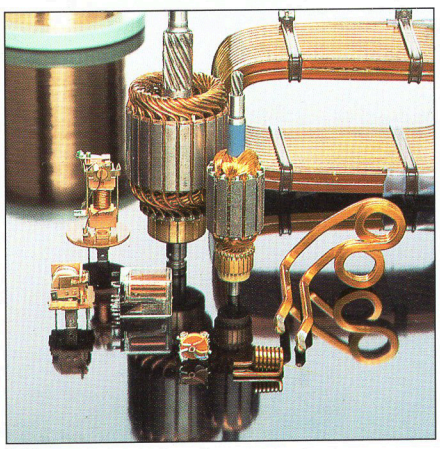
ROLLEIFLEX SL 66 SE
ROLLEIFLEX SL 66 X

Into New Areas of Photography with the Shift Adapter and PCS-Rolleigon

PCS-Rolleigon f4.5/75 mm HFT
A new type of top-performance shift lens: combined with the ball/tilt adapter it allows a tilt range of 13°. When this lens is used in conjunction with the tilting bellows, the Rolleiflex SL 66 SE and SL 66 X are the perfect instruments for areas of photography where large-format view cameras used to be essential. As the facilities for shifting the focal plane are exactly the same as on a view camera, these models can now handle many of the jobs in the normal working range of a 9x12 technical camera. A photographer using this camera can quickly, reliably and economically tackle assignments in industrial photography (special details and moderately-sized subjects), or in advertising and studio work. For many photographers, this lens is not only an essential part of a thoroughly professional system, but represents a genuine alternative to large and rather unwieldy view cameras.



(Art. No. 969537 + 208795)



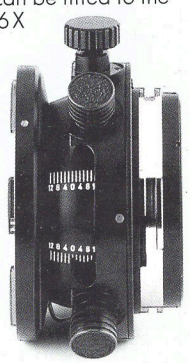
P. Vogt

P. Kaus

P. Vogt

P. Kaus

Shift Adapter for Specialist Lenses
Using the shift adapter (ball/tilt principle), even view camera lenses can be fitted to the Rolleiflex SL 66 SE and SL 66 X to cope with specialized detail and product shot applications in the telephoto range. The adapter can tilt up to 13° in any direction and can mount view camera lenses with shutter sizes 0 and 1, from 150 mm focal length, using the appropriate adapter ring. A successful synthesis of the medium-format and view camera.

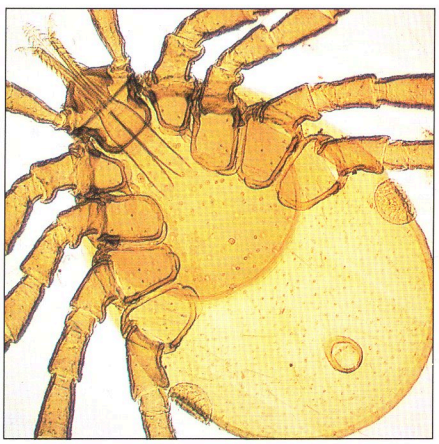


(Art. No. 208795)

ROLLEIFLEX SL66 SE
ROLLEIFLEX SL66 X

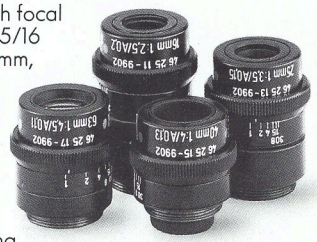
Large Pictures of Tiny Worlds

A. Jung



A. Jung

Zeiss Luminar Magnifying Lenses
Suitable for applications where the image distance is greater than the subject distance. The Luminars are available with focal lengths of f2.5/16 mm, f3.5/25 mm, f4/40 mm and f4.5/63 mm and are provided with an iris diaphragm. They are attached using the international standard microscope thread W 0.8"x1.36".



(Art. No. 969575, 969576, 969577, 969578)

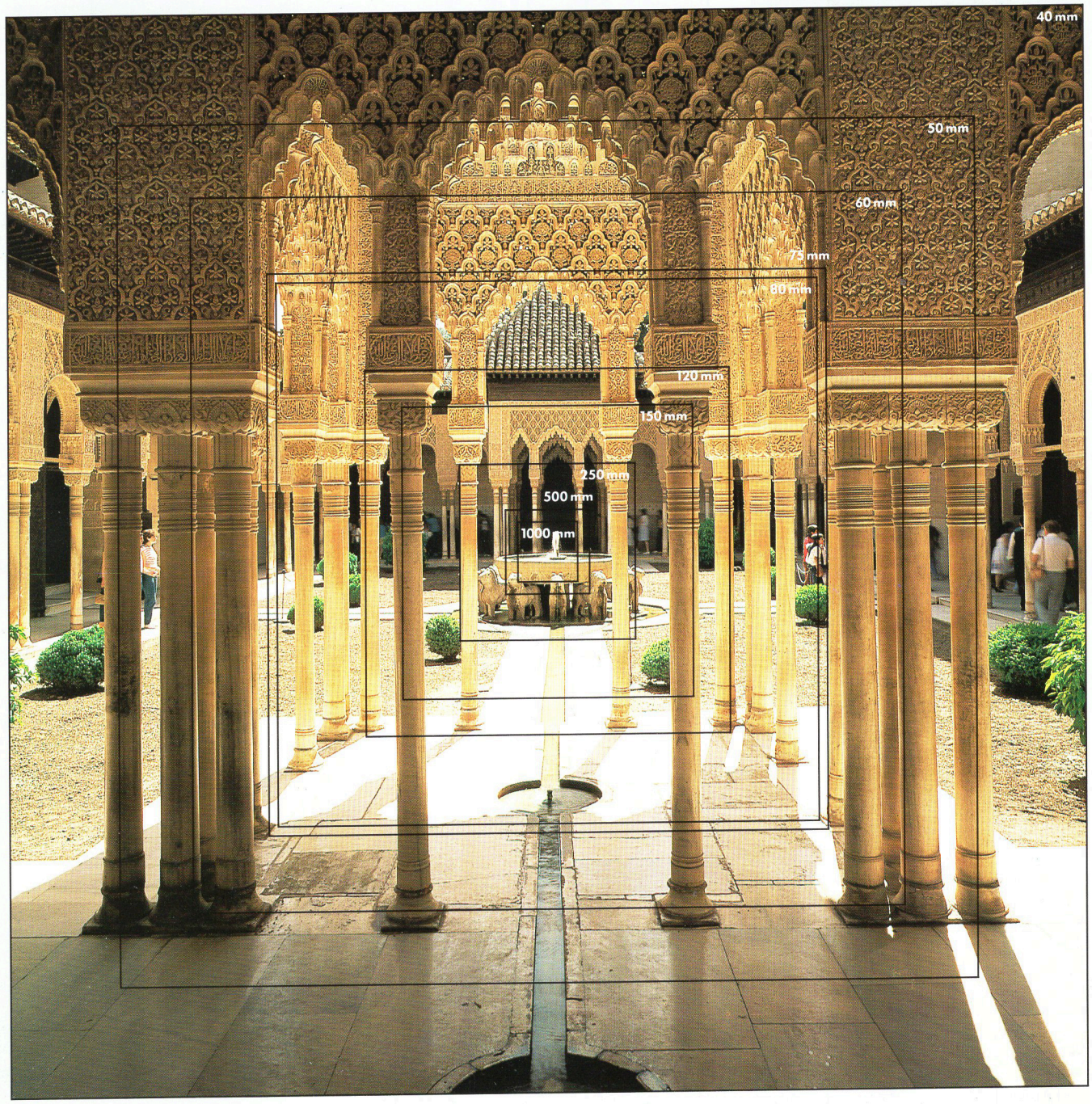
All Lenses* for the Rolleiflex SL66 SE and SL66 X at a Glance

Lens		Aperture range	Angle of view	Lens construc-tion	Maximum length	Distance adjustment	Maximum diameter	Weight	Filter size
	F-Distagon f3.5/30 mm	3.5–22	180°	8 elements 7 compon.	115.5 mm 4.55 in	∞– 0 cm ∞– 0 in	108 mm 4.25 in	1130 g 39.9 oz	Built-in filter M 24x0.5
	Distagon f4/40 mm	4–22	88°	11 elements 10 compon.	101.5 mm 4.00 in	∞– 0.6 cm ∞– 0,2 in	83 mm 3.27 in	732 g 25.8 oz	with adapter
	Distagon f4/50 mm	4–32	75°	7 elements 7 compon.	94 mm 3.70 in	∞– 5 cm ∞– 1.97 in	79 mm 3.11 in	555 g 19.6 oz	Rollei bayonet VI
	Distagon f3.5/60 mm	3.5–22	67°	7 elements 7 compon.	80.3 mm 3.16 in	∞– 8 cm ∞– 3.15 in	82,5 mm 3.25 in	532 g 18.8 oz	Rollei bayonet VI
	PCS-Rolleigon f4.5/75 mm, Shift	4.5–32	62°	11 elements 9 compon.	161 mm 6.34 in	∞–43 cm ∞–16.93 in	103 mm 4.06 in	1313 g 46,3 oz	Rollei bayonet VIII
	Planar f2.8/80 mm	2.8–22	52°	7 elements 5 compon.	63 mm 2.48 in	∞–16 cm ∞– 6.3 in	79 mm 3.11 in	300 g 10.6 oz	Rollei bayonet VI
	Distagon f4/80 mm with leaf shutter	4–32	52°	5 elements 5 compon.	86 mm 3.39 in	∞–16 cm ∞– 6.3 in	82 mm 3.23 in	638 g 22.5 oz	Rollei bayonet VI
	Makro-Planar f5.6/120 mm	5.6–45	36°	6 elements 4 compon.	91 mm 3.58 in	∞–35 cm ∞–13.8 in	79 mm 3.11 in	435 g 15.3 oz	Rollei bayonet VI
	Sonnar f4/150 mm	4–32	29°	5 elements 3 compon.	94,5 mm 3.72 in	∞–60 cm ∞–23.6 in	79 mm 3.11 in	545 g 19.2 oz	Rollei bayonet VI
	Sonnar f4/150 mm with leaf shutter	4–32	29°	5 elements 3 compon.	94 mm 3.70 in	∞–60 cm ∞–23.6 in	82 mm 3.23 in	705 g 24.9 oz	Rollei bayonet VI
	Sonnar f5.6/250 mm	5.6–45	18°	4 elements 3 compon.	143 mm 5.63 in	∞– 1.53 m ∞– 5 ft	79 mm 3.11 in	665 g 23.5 oz	Rollei bayonet VI
	Tele-Tessar f5.6/500 mm	5.6–45	9°	6 elements 5 compon.	308 mm 12.13 in	∞– 6 m ∞–19.7 ft	100 mm 3.94 in	1640 g 57.8 oz	M 95x1
	Tele-Tessar f8/1000 mm	8–64	4.5°	4 elements 4 compon.	766 mm 30.16 in	∞–21 m ∞–68.9 ft	218 mm 8.58 in	8740 g 19.3 lbs	Rollei bayonet VI
	Mirotar f5.6/1000 mm	5.6–8–11	4.5°	5 elements 5 compon.	407 mm 16.02 in	∞–22 m ∞–72.2 ft	250 mm 9.84 in	16500 g 36.4 lbs	Filters included
	The teleconverter doubles the focal length of the lenses. At the same time the aperture value is changed by two f-stops.								

*The lenses also fit the Rolleiflex SL66 and the Rolleiflex SL66 E

Perfectly Composed Shots with the Rollei Lens Range

The range of lenses available for the Rolleiflex SL 66 SE and SL 66 X opens up all the possibilities of creative composition. The illustrations below show the different image framings produced by these lenses from the same camera position.



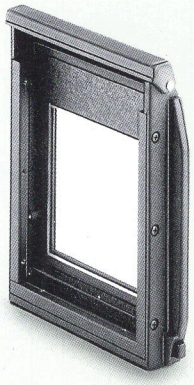
The Interchangeable Magazine System Designed with the Professional in Mind

6 x 6 (2¼ x 2¼)/120, 6 x 6 (2¼ x 2¼)/220 Magazines
Magazines for 12 or 24 frames, 6 x 6 cm size. With frame counter, magazine crank, film indicator holder and slot for darkslide storage. Film speed input facility on the magazine (for SL 66 SE).

(Art. No. 560 378, 560 379)

Cassette Adapter
This provides the facility to use sheet film or plates in the 6.5 x 9 cm format. It is loaded with easily interchangeable single cassettes.

(Art. No. 208 720)



Sheet Film Cassette
This cassette takes both sheet film and plates and gives a 6 x 6 cm image on 6.5 x 9 film stock.

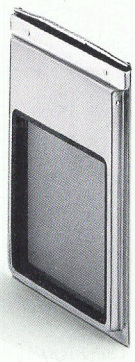
(Art. No. 209 010)

4.5 x 6 (1⅝ x 2¼)/120 and 4.5 x 6 (1⅝ x 2¼)/220 Magazines
Magazines for 16 or 32 frames in the 4.5 x 6 cm format. Other features as the 6 x 6 magazines.

(Art. No. 560 380, 560 381)

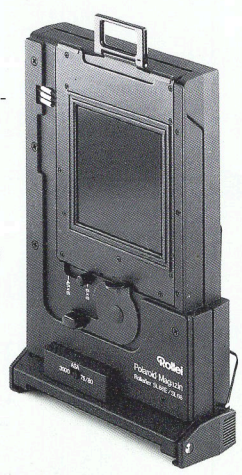
Ground-Glass Screen Cassette
Interchangeable with the sheet film cassette, to give direct focusing in the film plane.

(Art. No. 209 030)



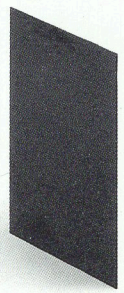
Polaroid Magazine
Gives the choice of two exposures (4.5 x 6 cm) or a single exposure (6 x 6 cm) on one frame. Selection of two 4.5 x 6 cm exposures allows a more cost-effective use of film. Two exposure or lighting alternatives can be provided on a single Polaroid print. The magazine has an ASA selector which can be set between 75/80 ASA and 3000 ASA as required, for input to the TTL exposure meter in the SL 66 SE.

(Art. No. 560 320)



Sheet Film Insert
Required for use of sheet film in the Rollei sheet film cassette.

(Art. No. 209 020)



Interchangeable Viewfinders and Focusing Screens

Magnifying Hood
Rigid design for waist-level viewing, with eyepiece with 2.5 times magnification and dioptre adjustment (from +0.6 to –2 dioptre), removable eyepiece cup. Heightens contrast in the finder image. Particularly suitable for close-up and macro photography.

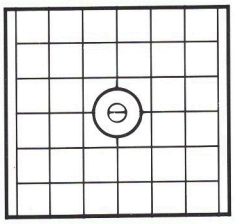
(Art. No. 208 710)

Prism Finder
With 45° eyepiece. Upright and right-reading finder image. Locates in four positions separated by 90° and thus offers convenient viewing, even in awkward camera positions. Eyepiece cup can be folded back or removed.

(Art. No. 208 810)

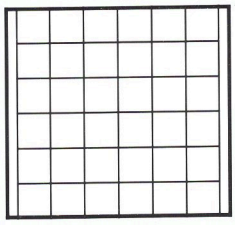
Sports Frame Finder
Fastening onto the prism finder, this viewfinder consists of a backsight and two frames on special lens hoods, for 80, 150 and 250 mm lenses.

(Art. No. 206 130)



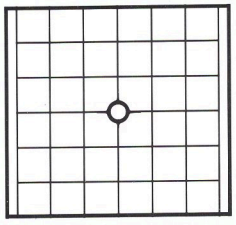
Bright Focusing Screen with Central Rangefinder Spot and Wedge
Universal screen with rangefinder wedge, microprism spot and ground-glass screen. Rangefinder wedge for precise-viewing with vertical lines. Microprism spot for focusing to a "shimmer-free" image. Ground-glass screen with microfine structure for full-area focusing.

(Art. No. 560 180)



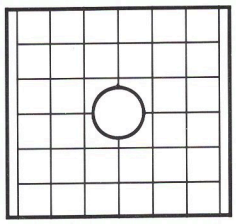
Bright Focusing Screen
Focusing screen with microfine structure for full-area focusing and unobstructed composition. Also suitable for small-aperture lenses and for depth-of-field monitoring.

(Art. No. 560 040)



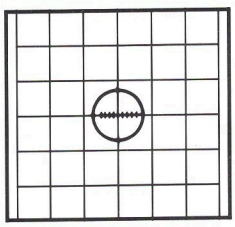
Bright Focusing Screen with Rangefinder Wedge
Universal screen for the most demanding focusing requirements, with rangefinder wedge and ground-glass screen. The wedge gives extremely precise focusing on vertical lines, e. g. for architectural photography.

(Art. No. 560 050)



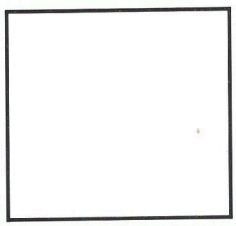
Bright Focusing Screen with Rangefinder Grid
Universal screen for rapid shooting, with microprism spot and ground-glass screen. Allows trouble-free focusing even in poor light. Sharpest focus is marked by a "shimmer-free" image.

(Art. No. 560 060)



Bright Focusing Screen with Clear-View Spot
Special focusing screen for macro photography and photomicrography, with clear-view spot, measuring scale and ground-glass screen. The clear-view spot allows parallax-free aerial image focusing at extremely small apertures, e. g. through a microscope. Reproduction ratio is set on a scale.

(Art. No. 560 100)



Finely Ground Glass Screen
Finely ground glass screen for ultra-precise focusing, especiallly in macro photography, at all apertures and with more powerful focusing magnifiers.

(Art. No. 560 030)

Accessories for the Close-up and Macro Range

Extension Tubes
Available in two lengths, 40 or 80 mm. Can be used together and also combined with bellows extension.

(Art. No. 208 750, 208 760)

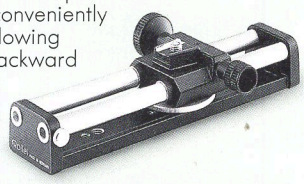
Universal Extension Tube Unit
This unit consists of two specially designed tubes, a lens mounting ring and an attachment ring for fitting filters and lens hoods with the lens reverse-mounted. Shutter control operation by double cable release. This unit can be fitted with lenses of 50 mm to 250 mm focal length. It particularly enhances image quality when using reproduction ratios greater than 1:1.

(Art. No. 208 740)

Bellows Unit
250 mm extension (attachment rings also required). Can be combined with focusing rack, macro stage, vibration damper and slide copying equipment for 6 x 6 or 24 x 36 formats.

Further accessories include fine focusing drive, bayonet ring for magnifying lens adapters and object slides.
(Art. No. 977 000)

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.

(Art. No. 979 200)

Slide Copying Equipment for 6 x 6 or 24 x 36 Formats
For direct copying of original slides. This equipment comprises a lens attachment ring, a copying stage (6 x 6 or 24 x 36) and a fine-focusing drive. It is used in conjunction with the bellows extension unit.

(Art. No. 977 040, 977 050)

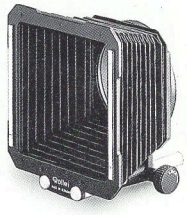
Macro Stage
Macro stage with interchangeable clear and diffusing screens, for photography by direct, transmitted or oblique light.

(Art. No. 977 010)

Vibration Dampers
A pair of dampers prevents vibrations during focusing and when taking photographs with long bellows extensions.

(Art. No. 977 030)

Professional Bellows Lens Hood
Screens off unwanted back and side light. Designed as an extending bellows. The extension scale is marked for focal lengths of 80 mm and 120-250 mm. Masks are supplied for the 120 and 250 mm lenses.



(Art. No. 974 550)

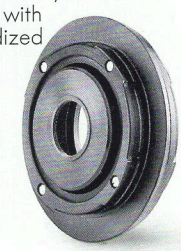
Accessories that Widen the Range of Applications

Lens Adapter
Without lens screw thread, transmission aperture 58 mm. For unusual lenses. Individual adjustment required.

(Art. No. 208 790)

Adapter for Magnifying Lenses
These lenses are available from specialist dealers under the Luminar, Photar, Summar and Microtar designations, with the internationally standardized W 0.8" x 1/36" microscope thread.

(Art. No. 208 770)

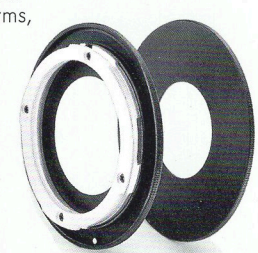


Shift Adapter for Technical Lenses
Large-format lenses can also be fitted to the Rolleiflex SL 66 SE and SL 66 X using the ball/tilt shift adapter. In this way, they can handle specialized tasks requiring long-focus for detail and still life shots (see p. 18).

(Art. No. 208 795)

Adapter Ring for Shift Adapter
For use of large-format lenses from 150 mm with the shift adapter. Available in two forms, for shutter sizes 0 and 1.

(Art. No. 208 797, 208 798)



Microscope Adapter
Provides light-proof and vibration-free connection between the camera and the microscope eyepiece.

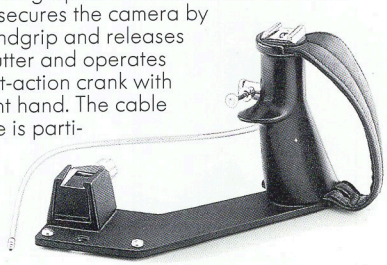
(Art. No. 206 140)

2 x Teleconverter
Doubles the focal length of a lens. Simultaneously doubles the aperture value and all the stop numbers. For example, it turns a standard f2.8/80 mm lens into a long-focus f5.6/160 mm. All the lens functions remain fully operational when the converter is in use. In the SL 66 SE, exposure metering and internal flash metering automatically take into account the reduced aperture.

(Art. No. 969 226)

Handgrip
The handgrip makes it easier and faster to work with the Rolleiflex SL 66 SE and SL 66 X. The photographer focuses with his left hand which secures the camera by the handgrip and releases the shutter and operates the fast-action crank with his right hand. The cable release is particularly useful when working with long focal lengths, since the right hand can then support the lens. It is easily fitted to the camera by means of a quick-release coupling.

(Art. No. 208 930)



Quick Tripod Coupling
For rapid mounting of the camera on the tripod. The coupling can remain on the tripod.

(Art. No. 208 700)

Rollei SCA 356 Flash Adapter
This adapter enables automatic flash units operating on the SCA 300 system to be used in conjunction with the camera's electronics. The connection is made simply by plugging the flash unit with the SCA adapter into the hot shoe of the camera. Thus, the necessary data for controlled electronic flash are combined, guaranteeing the best possible flash photographs.

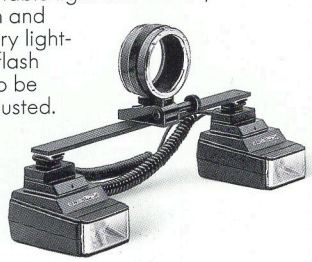
(Art. No. 207 065)

Rollei FM1 Flashmeter
The FM1 is a unique, highly developed precision instrument that provides accurate measurement of flash illumination within the camera, using either studio flash lighting or normal flash guns. The unit is connected to the camera via the hot shoe.

(Art. No. 207 066)

Rollei MF 2 Macroflash
Used in conjunction with the Rollei SCA 356 adapter, the Macroflash kit extends the advantages of the TTL flash system into the close-up range. It gives synchronous control ot the two Metz flash units with rotating and tilting reflectors (Guide No. 32 at 21 DIN/100 ASA). For variable light distribution, when used as main and supplementary lighting, the two flash units can also be manually adjusted.

(Art. No. 207 068)



Aquamarin WKD-SL 66
Professional underwater housing. The camera operations are accessible from outside. All Zeiss lenses up to 250 mm focal length can be used. Convenient film change with camera mounted inside. Machined light alloy casting.
Immersion depth 100 m.
Weight 6.9 kg.
Detailed information from Oceanoptics, Rheinstrasse 82-88, 6100 Darmstadt, West Germany.

The Rolleiflex range of accessories is completed by lens hoods, filters and various cases. They can nearly all be used with the Rolleiflex SL 66 E and Rolleiflex SL 66.

The System at a Glance

ROLLEIFLEX SL66 SE
ROLLEIFLEX SL66 X

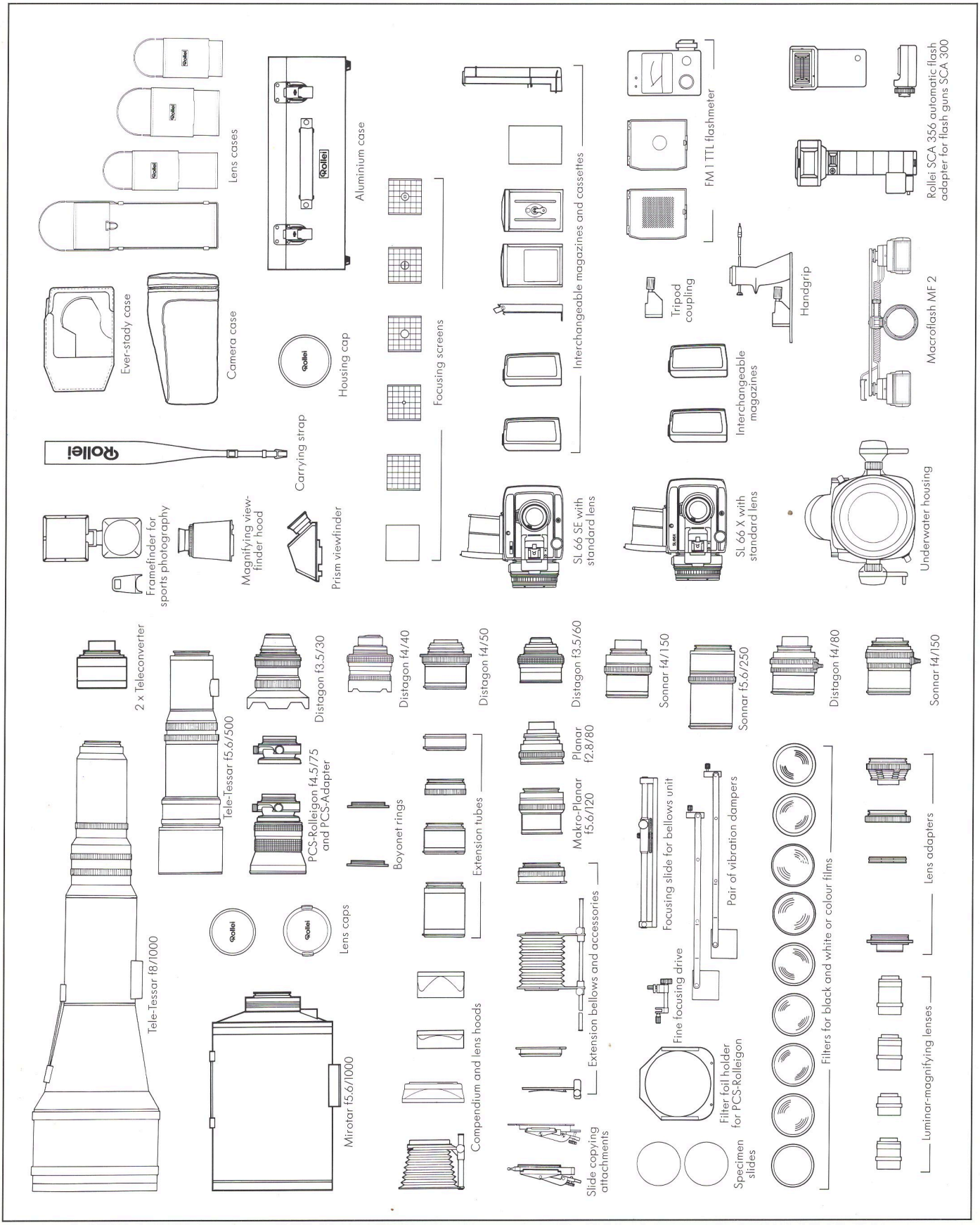
Technical Data

	Rolleiflex SL66SE	Rolleiflex SL66X
Mechanical SLR camera with built-in tilting bellows, TTL automatic flash and interchangeable magazine	●	●
Photographic format: 6x6 (2¼x2¼) or 4.5x6cm (1⅝x2¼)	●	●
Film types: 120 and 220 roll film for 12 or 24 exposures (6x6 cm) or 16 or 32 exposures (4.5x6 cm). Polaroid pack film for 8 exposures (6x6cm) or 8x2 exposures (4.5x6 cm). Sheet film and plates 6.5x9 cm	●	●
TTL exposure metering. Exposure balance with aperture or shutter priority. Exposure indication by five LEDs in the viewfinder. Optical exposure error warning by LED	●	
Exposure correction switch from –1.5 to +1.5 EV steps	●	
Exposure metering characteristic. Can be switched from spot to integral	●	
Metering range: light values 1–18/0.25–3.2768 cd/m² with 21 DIN/100 ASA film using f2.8/80 mm lens. Metering angle spot measurement < 3° with f:80mm	●	
Facility to set film speed on magazine between 15 and 39 DIN, i.e. 25 and 6400 ASA	●	[1]
Built-in bellows with ±8° tilt, 50 mm extension and scales for magnification factor and exposure correction	●	●
Standard folding hood viewfinder with magnifier (2.5x magnification), interchangeable with rigid magnifying hood or prism finder	●	●
Pneumatically damped swinging mirror with pre-release	●	●
Vertical-travel focal-plane shutter, 1/1000 to 1 second and B, X contact, X-synchronization 1/30 second	●	●
TTL flash metering off the film by silicon photodiodes	●	●
Hot shoe with synchronous centre contact for special Rollei SCA 356 adapter and flash units using the SCA 300 system	●	●
Multiple exposure	●	●
Interchangeable magazines for 6x6/120, 6x6/220, 4.5x6/120 and 4.5x6/220 films, with film speed setting, interchangeable magazine inserts, frame counter, magazine crank and film indicator holder. Cassette adapter and sheet film cassette for 6.5x9 cm stock. Polaroid magazine for 8 exposures (6x6 cm) or 8x2 exposures (4.5x6 cm)	●	●
Dimensions without lens (HxWxD) ca. mm Dimensions with Planar f2.8/80mm ca. mm	118x150x148 118x150x175	118x150x148 118x150x175
Weight without lens ca. Weight with Planar f2.8/80mm ca.	1590g 1915g	1585g 1910g

The right to make technical alterations is reserved.

[1] Serves as a DIN/ASA indicator dial on the SL66X.

The System and Accessories



Rolleivision 66.
The Professional for Professionals

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 6x6 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 lamps 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 216 or other makes of control unit.

Rolleivision 66 AV: with the additional feature of automatic switching to replacement lamp (with LED indicator), increased light outpout with coated condensors, timer and autoreverse 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.

Rollei Fototechnic GmbH have set out to produce first-class photographic equipment for professionals and demanding amateurs. We are meeting our own high standards with high-performance cameras from 35 mm to medium-format models, with a range of special-quality lenses and accessories and with technically superior slide projectors.

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