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Film holders



# Why medium format

A valuable point of the view camera is its universal range – including its range of image sizes. Obviously you can use a view camera with the usual sheet film formats. But suitable film holders also allow the use of rollfilm – again with a selection of image sizes.

In numerous practical assignments the view camera is used less for its large image size than for its versatile movements and the scope of the modular system.

So often a smaller image size is adequate, using less expensive rollfilm.

But till now there was really no rollfilm holder specially tailored to view camera requirements. What systems there are on the market, are rarely practical. For you invariably have to remove the camera's ground glass screen before every exposure, replace it by the rollfilm holder, and then switch back again to the ground glass screen for viewing the image once more.

This is not only cumbersome but also interferes with the SINAR's proved automatic film holder, shutter and aperture coupling. And what counts with picture sequences is simplified operation – for faster and more reliable shooting.

## The rollfilm holders by SINAR

SINAR meets this need with a rollfilm holder system specially designed for the professional. It uses flat push-in holders that fit the camera back much like sheet film holders. The SINAR rollfilm holders fit most view cameras with standard international 4 × 5" / 9 × 12 cm back, without the complication of removing the ground glass screen. For special cases these holders can also be mounted directly on the camera back – after removing the ground glass frame – with the usual Graflock device.

Moreover, on SINAR cameras these rollfilm holders maintain the automatic film holder, shutter and aperture coupling.



## Rollfilm cartridges with film marking

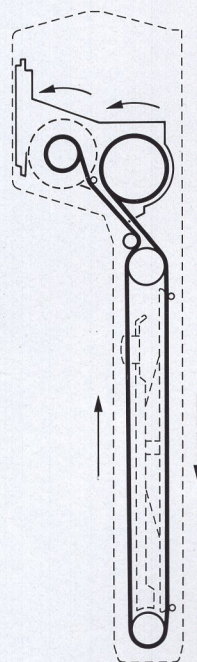
The SINAR rollfilm holder takes no. 120 or 220 rollfilm. It comes complete with a cartridge for light-tight preloading of the film. Additional film cartridges are available separately. You can thus preload a number of films before starting work.

The type and speed of film loaded may be marked on a code bar readable from outside. Four such interchangeable code bars are provided with each film cartridge and may be lettered by the user. Further bars are available separately in sets of four.

Further notes to each individual exposure may be marked on the cartridge window. The rear of the film cartridge may also be lettered, for instance with film number and name and address for identification.

The preloaded film cartridge simply slides into the open rollfilm holder.

When no film cartridge is loaded in the rollfilm holder, the latter clearly shows an EMPTY sign.





# with the view camera

## The rollfilm holder

Unlike conventional rollfilm holders, the design of this holder and the film cartridge provides an almost straight film path without tight bends of the film ahead of the gate. With the precise film guide and ideal pressure plate this ensures perfect flatness of the rollfilm.

This is obviously vital to make full use of the optical performance of professional lenses and of the SINAR's high focusing precision. The film gate itself has two longitudinal cut-outs for inserting a copyright notice and author's name. These data, reproduced on lith film, are exposed onto the edge of the film for each shot.

For the film advance the SINAR rollfilm holder has a handy transport lever with automatic end stop and release button for the next film transport. The SINAR rollfilm holders are available in three versions – and all take the same rollfilm cartridge.

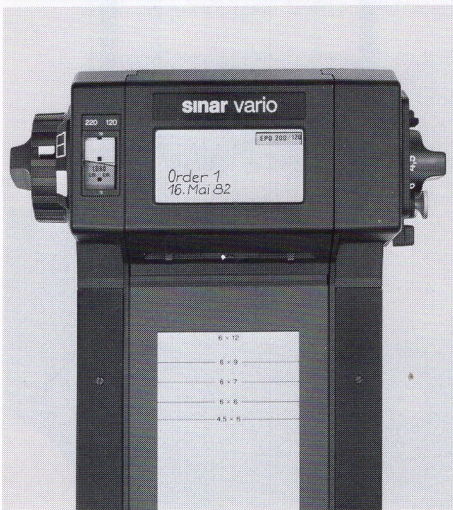
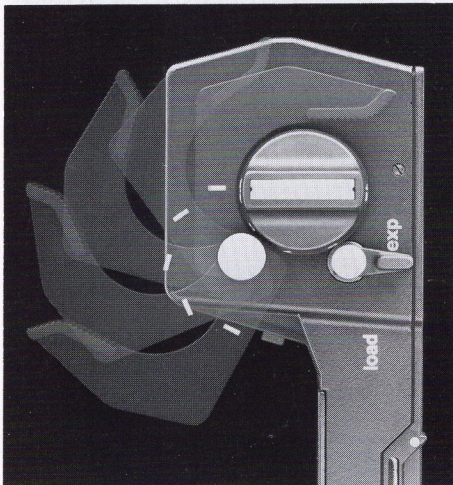
## The SINAR-vario rollfilm holder

The universal SINAR-vario rollfilm holder can be set – before loading the film – to any one of several image sizes: (Nominal sizes)  $1\frac{3}{4} \times 2\frac{1}{4}$ ,  $2\frac{1}{4} \times 2\frac{1}{4}$ ,  $2\frac{1}{4} \times 2\frac{3}{4}$ ,  $2\frac{1}{4} \times 3\frac{1}{4}$  or  $2\frac{1}{4} \times 4\frac{1}{2}$  inches ( $4.5 \times 6$ ,  $6 \times 6$ ,  $6 \times 7$ ,  $6 \times 9$  or  $6 \times 12$  cm).

Instead of a frame number, the frame counter shows the remaining film length in centimetres. As with a movie camera you can then determine the remaining number of exposures according to the format selected.

The two-part drawslide is permanently built in and cannot be lost. A handy knob opens the two halves of the drawslide only as far as necessary for the selected image size. The drawslide halves thus define the image size of the gate opening.

Additional safety devices prevent accidental opening of the drawslide when the film holder is not located in the camera back. Once the film holder is inserted in the SINAR, a further safety lock prevents removal of the film holder from the camera back unless the drawslide is closed. (This device can be fitted by the user on certain other camera backs.)



Together with the automatic film holder, shutter and aperture coupling of the SINAR these features thus provide ideal protection against wrong handling.

## The SINAR 67 rollfilm holder

This rollfilm holder has a film gate for the standard  $56 \times 72$  mm format, yielding 10 exposures on no. 120 or 20 exposures on no. 220 rollfilm.

A revolving counter below a viewing window indicates the frame numbers. The frame counter counts upwards from no. 1. The film holder has a pull-out drawslide of the usual sheet film type, however because of a built in catch it is not removed completely.

## SINAR-panorama rollfilm holder

The SINAR-panorama rollfilm holder has the same design as the SINAR 67 except that the image size has a wide-screen 1:2 aspect ratio. The  $6 \times 12$  cm panorama gate therefore yields 6 exposures on no. 120 and 12 exposures on no. 220 rollfilm.

## Why rollfilm in the view camera?

The resolving power of rollfilm has improved considerably in recent years. This fact, together with excellent film flatness in the ideally designed film path in the SINAR rollfilm holders today often favours the use of economical rollfilm with its high exposure capacity, low weight and easy storage, not to mention the fact that it can be loaded in the film holder without a darkroom. Rollfilm is justified whenever the quality level of the lower final enlargement permits the use of a smaller image size. Rollfilm is also the ideal film to fall back on for all location work.



## Variable formats and focal lengths

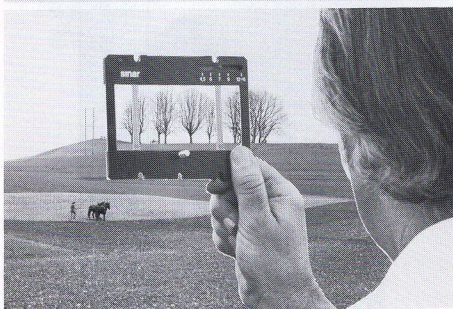
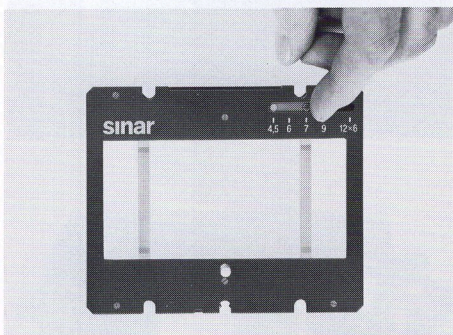
With the SINAR rollfilm holders, especially the SINAR-vario, you can use all existing view camera lenses. So what in effect becomes a medium-format camera needs no costly investment in additional lenses for a further camera system.

With this, the shorter focal lengths usual for view cameras – from about 75 mm up – cover a large enough angle for fully utilising the camera movements – rising, drop and cross front, swings and tilts. The long view camera focal lengths can further serve in place of special tele lenses.

Further, the larger rollfilm formats from  $2\frac{1}{4} \times 2\frac{3}{4}$  to  $2\frac{1}{4} \times 4\frac{1}{2}$ " ( $6 \times 7$  to  $6 \times 12$  cm) permit useful wide-angle shots of high information density.

## The panorama format

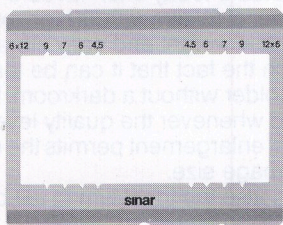
SINAR rollfilm holders can of course be used equally in the SINAR handy camera. Here for instance the  $2\frac{1}{4} \times 4\frac{1}{2}$ " ( $6 \times 12$  cm) panorama format provides not only excellent landscape shots of considerable detail but also architectural and industrial photographs etc. (A 47 mm focal length here yields a horizontal angle of view of  $100^\circ$ .) The  $6 \times 12$  cm size can also be used for vertical shots. With for instance the SINAR handy this permits upright views without converging verticals. Thanks to the wide vertical angle of view of the long image format, the camera can be held vertically even from a low or high viewpoint. Subsequent cropping the image gets you a picture of normal aspect ratio and parallel verticals despite being a hand camera shot.



## Format masks

A format mask is provided for using the SINAR rollfilm holders in camera backs. The mask is self-adhesive for direct attachment to the ground glass screen. This mask is included with all SINAR rollfilm holders. Specially intended for use with the SINAR-vario rollfilm holder on the SINAR is an adjustable SINAR vario mask. This is easily fitted in the cutouts for the SINAR  $4 \times 5$ " mask and Fresnel holder. Two mask slides permit the selection of any of the picture sizes provided. The mask is included with the SINAR-vario rollfilm holder.

The adjustable SINAR vario mask can also serve as a subject finder. To use it in this way, hold up the mask and view the subject with one eye through the mask set to the selected image size. Adjust the mask distance from the eye until the mask outlines the required field of view. This mask distance is then the approximate focal length required. This also simplifies assessment of whether the picture shape should be upright, square or horizontal.





# rollfilm use

## **1 3/4 × 2 1/4" (4,5 × 6 cm)**

For economic picture series etc. of 3:4 aspect ratio, for instance for catalogue shots. Can also serve for 4 × 4 cm superslides to provide extra large images in normal 35 mm sound slide shows.

16 or 32 exposures on no. 120 or 220 film respectively

## **2 1/4 × 2 1/4" (6 × 6 cm)**

For square picture series etc. and 6 × 6 cm slides.

12 or 24 exposures on no. 120 or 220 film respectively

## **2 1/4 × 2 3/4" (6 × 7 cm)**

For exposures of higher definition standard, in the popular 4:5 aspect ratio.

Useful for instance for wide-angle shots.

Permits full use of the camera movements and the view camera's bellows hood.

10 or 20 exposures on no. 120 or 220 film respectively

## **The application of the various rollfilm sizes**

Full utilization of the swings and tilts and the many focal-length possibilities of the professional large-format camera system.

## **(2 1/4 × 3 1/4" (6 × 9 cm)**

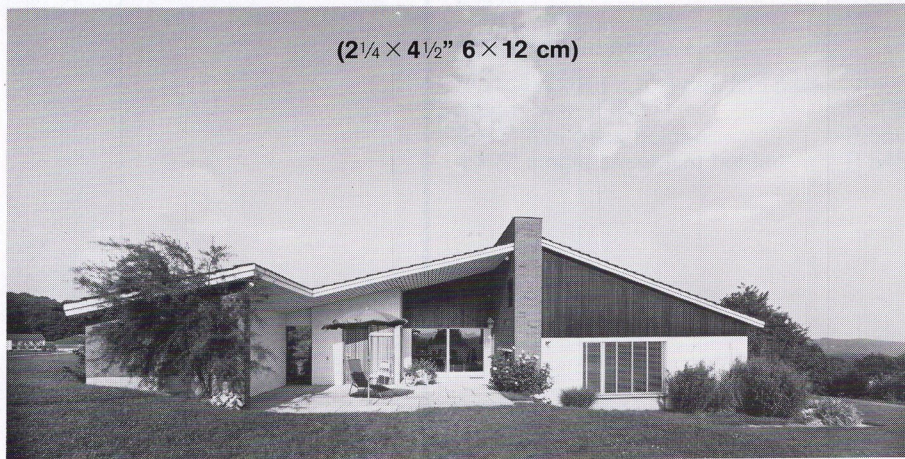
For higher definition requirements with double the image area of the 4,5 × 6 cm format.

Useful for instance for wide-screen shots of 2:3 aspect ratio.

For horizontal shots with a 1:2 panorama aspect ratio, but also suitable for upright shots, to secure rising front effects by subsequent cropping.

6 or 12 exposures on no. 120 or 220 film respectively

## **(2 1/4 × 4 1/2" 6 × 12 cm)**



8 or 16 exposures on no. 120 or 220 film respectively



# Film holders for sheet film and instant picture materials

## Double sheet film holders

Double sheet film holders take two single sheet films. These break-resistant precision holders ensure easy insertion and perfect flatness of the film. Removable drawslides protect the film against visible light and also against infrared and ultraviolet radiation.

The drawslide handle is marked white on one side and black on the other. Inserting it back-to-front after an exposure provides an automatic indication of whether the film has been exposed or not.

Each sheet film holder has white lettering areas for marking the film type loaded.

The sheet film holders fit all view cameras with international back.

On inserting the sheet film holder in the back of a SINAR, the automatic coupling closes the SINAR shutter and stops down the lens to the preselected aperture. On removing the holder the shutter and lens diaphragm open again.

Sheet film holders are available in the following sizes:

### For 4 × 5" / 9 × 12 cm cameras

in 4 × 5" and 9 × 12 cm sizes

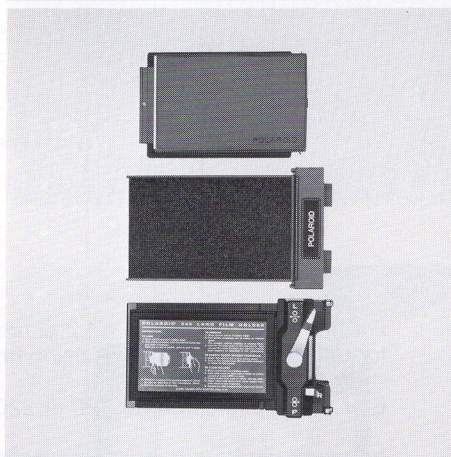
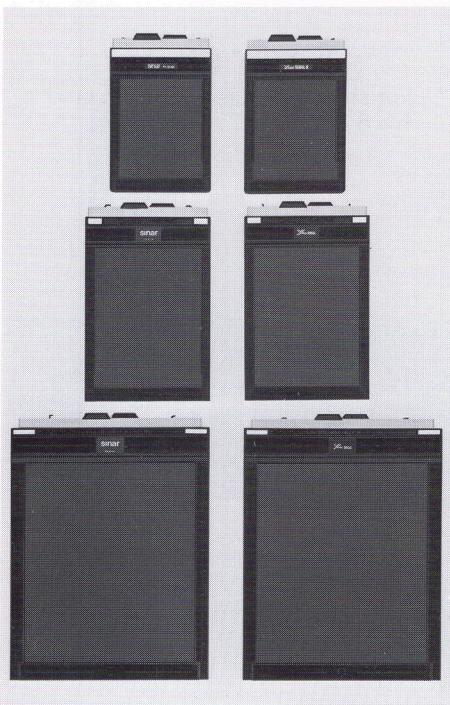
### For 5 × 7" / 13 × 18 cm cameras

in 5 × 7" and 13 × 18 cm sizes

### For 8 × 10" / 18 × 24 cm cameras

in 8 × 10" and 18 × 24 cm sizes

Reducing inserts for 6 × 9 cm and 10 × 15 cm are available for the 4 × 5" and 5 × 7" sheet film holders. Inch size sheet film holders are marked «Lisco».



## Holders for Polaroid instant picture materials

Various holders for different film packings are available for Polaroid materials, including holders for single Polaroid sheet films and for film packs, all fitting international 4 × 5" / 9 × 12 cm camera backs. The holders contain processing rollers.

The Polaroid sheet film holder for 8 × 10" Polacolor material fits 8 × 10" / 18 × 24 cm camera backs. Processing of these large instant picture materials requires an additional electrically driven processor.

The SINAR shutter and aperture coupling remains operative even when using the Polaroid film holders.



# SINAR rollfilm holders extend the scope of any view camera

## The new and convenient SINAR rollfilm holders utilise inexpensive rollfilm with full use of

- camera movements
- existing lenses
- system versatility (The camera remains usable for all subjects ranging from macrophotography to extreme focal lengths together with the bellows hood, filters, surface-silvered mirrors etc.)

Light and compact rollfilm, reloadable in daylight and available virtually everywhere is also an ideal fallback film for any view camera and should be carried all the time.

## SINAR rollfilm holders permit faster shooting

- Inserted in the camera like a sheet film holder
- Simpler handling and better shooting readiness
- Maintain automatic film holder, shutter and aperture coupling

## Better information

- Copyright notice and photographer's name on every transparency or negative
- Films may be preloaded in the film cartridge and marked with a film type code always visible from outside
- Writing panel for notes for each individual exposure, even while shooting
- Obvious EMPTY sign when the film holder is not loaded

## Important anti-fogging protection

(In the SINAR-vario holder)

- Drawslide can only be opened when rollfilm holder is fitted on the camera
- Film holder remains locked to the camera light-tight as long as drawslide is open

## SINAR-vario multiformat rollfilm holder

- Is more compact, lighter and more universally applicable than a number of rollfilm backs for different picture sizes

## SINAR vario mask

- Universally adjustable size indication from  $1\frac{3}{4} \times 2\frac{1}{4}$  to  $2\frac{1}{4} \times 4\frac{1}{2}$  inches ( $4,5 \times 6$  cm to  $6 \times 12$  cm) fits the SINAR ground glass screen
- Ideal and simple subject finder

## The range of film holders

### SINAR rollfilm holders for no. 120 and 220 film

**SINAR-vario** Multiformat holder from  $1\frac{3}{4} \times 2\frac{1}{4}$  to  $2\frac{1}{4} \times 4\frac{1}{2}$ " ( $4,5 \times 6$  to  $6 \times 12$  cm) with film cartridge and 4 code bars, universal and SINAR vario masks, latter also usable as subject finder 567.12

**SINAR 67** Single-format  $2\frac{1}{4} \times 2\frac{3}{4}$ " ( $6 \times 7$  cm) holder with film cartridge and 4 code bars, mask for format  $6 \times 7$  cm 567.54

**SINAR-panorama** Single-format  $2\frac{1}{4} \times 4\frac{1}{2}$ " ( $6 \times 12$  cm) holder with film cartridge and 4 code bars, universal mask 567.35

Film cartridge, spare, with 4 code bars 567.92

4 film cartridges with case 567.82

Universal  $1\frac{3}{4} \times 2\frac{1}{4}$  to  $2\frac{1}{4} \times 4\frac{1}{2}$ " ( $4,5 \times 6$  to  $6 \times 12$  cm) mask, self-adhesive 534.22

Mask for format  $2\frac{1}{4} \times 2\frac{3}{4}$ " ( $6 \times 7$  cm), self-adhesive 534.29

SINAR vario mask and subject finder, adjustable,  $1\frac{3}{4} \times 2\frac{1}{4}$  to  $2\frac{1}{4} \times 4\frac{1}{2}$ " ( $4,5 \times 6$  to  $6 \times 12$  cm) 534.12

## Double sheet film holders

9 × 12 cm	566.46
4 × 5"	566.56
13 × 18 cm	566.47
5 × 7"	566.57
18 × 24 cm	566.48
8 × 10"	566.58

## Polaroid film holders

$3\frac{1}{4} \times 4\frac{1}{4}$ " ( $8,5 \times 10,5$ cm) film pack holder, with mask	P 405
4 × 5" film pack holder	P 550
4 × 5" single sheet film holder	P 545



# sinar<sup>®</sup>

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