

## Each Item fits another



Sinar professional cameras of the latest generation are fully compatible with most of their older predecessor models. Our objective is to remain true to the policy of system conformity that we have already been practicing for more than 50 years. The investment made by a photographer is to retain its value. This consistency is unique to Sinar cameras. The multiple applications of individual system components significantly increase their utility to the user. Another characteristic Sinar feature! Two examples: the Multipurpose Bellows is useful not only as a camera bellows but also as a lens hood. The Wide Angle Bellows fits the binocular magnifier exactly to serve as a light hood, and so forth. The system components can always be used in new combinations. That is what makes a Sinar camera highly adaptable to a very large variety of photographic tasks.

### Quick and easy format change

The Format Changing Set, which consists of a metering back, a carrier frame and a bellows, a Sinar p2 camera can be converted to various different film formats. Fast and with equal precision all the way to the "king size" 8 x 10"/20 x 25 cm or for attach-

ing a digital back, such as the Sinarback, Leaf Volare, etc. That makes a single Sinar camera suitable for use with all film sizes from 4.5 x 6 cm (Rollfilm Holder Zoom 2) all the way to 8 x 10"/20 x 25 cm without any restrictions. Whether rollfilm or sheet film, a choice the photographer must make based on the nature of the assignment and the application of the photographs, maximum advantage can be taken of a technical large format camera: manipulating perspective, either to correct it or to make it more dynamic; sharpness compensation, selective focus, etc.

### Practical accessories for long bellows extensions

Very often long focal lengths or close-up photographs require long extensions. Such extensions cannot be achieved without accessories. But with a Sinar camera, this is easy. Many parts, such as the Rail Clamp, can be used universally. Thus the extension is quick and easy to set up in conjunction with a Multipurpose Standard. A practical accessory is the additional base plate.

The existing Basic Rail, however, can also be lengthened at will: extensions are available in lengths of 15, 30 and 45 cm (6", 12"

and 18"), which can be attached to either end of the Basic Rail in any combination. A Sinar camera grows with every assignment, no part becomes superfluous. And there is another important feature: unlike other base rails that extend telescopically, the Sinar Basic Rails preserves the stability of the camera.

### Focusing Aids to suit the task

Depending entirely on personal preferences and on the nature of the assignments, a variety of focusing aids is available for evaluating the image on the focusing screen. Sinar offers several practical solutions. The basic binocular magnifier and the binocular reflex magnifier show the image magnified by a factor of 2. The binocular reflex magnifier produces a right-side-up image. Either the Multipurpose Bellows or the Wide Angle Bellows can be used as a light hood bellows with the simple binocular magnifier. Therefore the acquisition of a new bellows is not necessarily essential. The Sinar 4x Magnifier is very suitable for judging sharpness on the focusing screen, and it can also be used to evaluate original artwork or reflection copy.

# Rail Units

## **BASIC RAIL 12"/30 cm**

422.21

As many extensions as desired can be attached to either side (black end) of a basic rail, but it cannot be used as a rail extension itself. The 12"/30 cm Basic rail is supplied with every Sinar camera.



## **RAIL EXTENSION 6"/15 cm**

421.21

## **RAIL EXTENSION 12"/30 cm**

423.21

## **RAIL EXTENSION 18"/45 cm**

424.21

For lengthening the optical bench by 6"/15 cm, 12"/30 cm or 18"/45 cm, respectively. As many extensions as desired can be attached to the red end.

● With the Special Rail Cap 428.31, these rail extensions can also be used as basic rails.



## **RAIL CAP**

429.21

End caps for Basic Rail 30 cm (12") 422.21 and for the long Basic Rail 90 cm (36") 425.21, as well as for the red ends of rail extensions. Prevents unblocked standards from sliding off the rails.



## **SPECIAL RAIL CAP**

428.31

Prevents unblocked standards from sliding off the rail when rail extension 423.21 or 424.21 is being used as a basic rail.



On all Sinar cameras and components (except for film holders), the format designation 4 x 5"/10 x 12.5 cm includes the 9 x 12cm (3 1/2 x 4 3/4") film size, and the 8 x 10"/20 x 25 cm designation includes the 18 x 24 cm (7 x 9 1/2") film size.

## Standards

### FRONT STANDARD p2

431.51

Lens standard for the Sinar p2 with shift mechanisms and asymmetrical swing and tilt capabilities. Equipped with self-locking fine adjustment drives and designed for ergonomic operation.

- Special Front Standard p2 431.52 is recommended when the 8x10"/20x25 cm format is used frequently.

### SPECIAL FRONT STANDARD p2

431.52M

Lens standard for the Sinar p2 8x10"/20x25 cm with shift mechanisms and asymmetrical swing and tilt capabilities. Equipped with self-locking fine adjustment drives and designed for ergonomic operation. Zero settings tailored specifically to the 8x10"/20x25 cm format.

- This lens standard also permits greater vertical shifts than Lens Standard p2 431.51. Special Bearer p2 433.52 is recommended for use in conjunction with this format.

### BEARER p2

433.51

Lower portion of the rear standard of the Sinar p2, with shift mechanisms, asymmetrical swing and tilt capabilities and a depth of field scale. Equipped with self-locking fine adjustment drives and designed for ergonomic operation. Depending on the format being used, Carrier Frames 4x5"/10x12.5 cm, 5x7"/13x18 cm or 8x10"/20x25 cm (433.26/.27/.58), or correspondent digital adapters (see separate print "Digital Performance") can be mounted on this bearer.

- The use of this bearer (in conjunction with the appropriate carrier frame) in place of a regular Sinar f2 Rear Standard, can significantly increase the ease of operating a Sinar f2 Camera because of the asymmetrical swing and tilt capabilities.
- Special Bearer p2 433.52 is recommended when the 8x10"/20x25 cm format is used frequently.

### SPECIAL BEARER p2

433.52

Reinforced lower portion of the rear standard of the Sinar p2 with shift mechanisms, asymmetrical swing and tilt capabilities, greater shifting displacements and a depth of field scale for the 8x10"/20x25 cm format.

- Can also be used with 4x5"/10x12.5 cm and 5x7"/13x18 cm formats.

### CARRIER FRAME 4x5"/10x12.5 cm

433.26

Upper portion of the rear standard of the Sinar p2 and the Sinar e 4x5"/10x12.5 cm. Fits on Bearer p2 433.51, Special Bearer p2 433.52, Bearer e 433.11 and Special Bearer e 433.12.

- Also available for the larger formats of Sinar p2 and Sinar e Cameras:  
for 5x7"/13x18 cm 433.27,  
for 8x10"/20x25 cm 433.58



# sinar System Components

## FRONT STANDARD x

431.71

Lens standard of the Sinar x with shift mechanisms and asymmetrical swing and tilt capabilities. Equipped with self-locking fine adjustment drives and designed for ergonomic operation.



## REAR STANDARD x 4x5"/10x12.5 cm

433.76

Rear standard of the Sinar x with shift mechanisms, asymmetrical swing and tilt capabilities and a depth of field scale. Equipped with self-locking fine adjustment drives and designed for ergonomic operation.

- The use of this rear standard in place of the regular Sinar f2 Rear Standard can significantly increase the ease of operating a Sinar f2 Camera because of the asymmetrical swing and tilt capabilities. The original Sinar f2 Rear Standard can continue to be used as an auxiliary standard.
- This rear standard accepts Holder/ Focusing Back 4x5"/10x12.5 cm 461.36.



## MULTIPURPOSE STANDARD 4x5"/10x12.5 cm

437.61

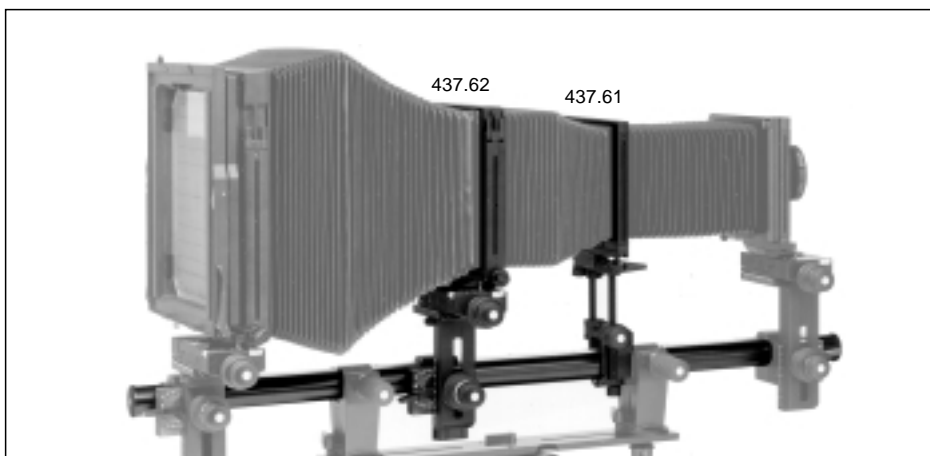
This is the most frequently used standard for supporting a professional bellows lens hood. It also serves as an intermediate support for long bellows extensions, or as an object stage and a holder for the Sinar Color Control Filter System and for Sinar mirrors, etc. Has shift, swing and tilt capabilities.



## MULTIPURPOSE STANDARD 5x7"/13x18 cm

437.62

Intermediate standard for long bellows extensions with the 8x10"/20x25 cm format. Multipurpose standard for a professional bellows lens hood for formats larger than 4x5"/10x12.5 cm. Equipped with shift, swing and tilt mechanisms.



# sinar System Components

## METERING BACK 4x5"/10x12.5 cm

462.16

This metering back is used with Carrier Frame 4x5"/10x12.5 cm 433.26 of the Sinar p2 and with the rear standards of the Sinar x 433.76, the Sinar f2 and f1 (433.66 and 433.66.001, respectively). It consists of Metering Holder Frame 4x5"/10x12.5 cm 462.96, Focusing Frame 2 461.56 and Focusing Screen 536.66.

- Fresnel Lens 461.76 is recommended for focusing, especially with smaller formats of the Set of Formats 534.16.

- The probe housing of the metering holder frame accommodates any of the metering probes (Sinar Expolux Booster, Sinar Booster 1, Sinar FCM-Booster, Sinarsix-Digital, Profi-select TTL).

This metering back permits accurate metering of subject points without causing the image to become unsharp, as it would when a light meter cassette is inserted.



## METERING BACK 5x7"/13x18 cm

462.17

This metering back is used with Carrier Frame 5x7"/13x18 cm 433.27 of the Sinar p2 and with Rear Standard 433.67 of the Sinar f2.

It is supplied with Focusing Screen 536.37.

- Fresnel Lens 535.17 is recommended.
- Equipped with a hydraulic damping mechanism that prevents the movable rear cover from closing abruptly when a film holder is removed, thus avoiding potential damage to the focusing screen.

Its other properties are equal to those of Metering Back 4x5"/10x12.5 cm 462.16 described above.



## METERING BACK 8x10"/20x25 cm

462.58

This metering back is used with Carrier Frame 8x10"/20x25 cm 433.58 of the Sinar p2 and with Rear Standard 433.68 of the Sinar f2.

It is supplied with Focusing Screen 536.58.

- Fresnel Lens 535.58 is recommended.

Its other properties are equal to those of Metering Back 5x7"/13x18 cm 462.17 described earlier.



## HOLDER/FOCUSING BACK 4x5"/10x12.5 cm

461.36

Holder and focusing screen without probe housing. Fits Carrier Frame 4x5"/10x12.5 cm 433.26 of the Sinar p2 and Rear Standard 433.76 of the Sinar x and 433.66 of the Sinar f2.

Consists of Holder Frame (without probe housing) 4x5"/10x12.5 cm 461.46 and Focusing Frame 2 461.56 with Focusing Screen 536.66.

- Fresnel Lens 461.76 is recommended for focusing, especially with smaller formats of Set of Masks 534.16.

- The use of an exposure metering probe (Sinar Booster 1 or Sinar Expolux Booster) requires Metering Back 4x5"/10x12.5 cm 462.16.



# Focusing Aids

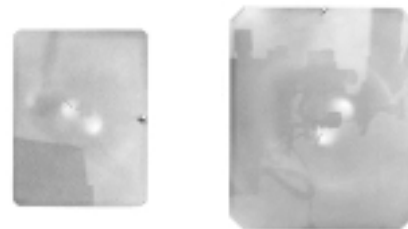
**FRESNEL LENS**  
**4x5"/10x12.5 cm**  
 461.76

Brightens the image on the focusing screen, making it considerably easier to view that image, especially with short focal length lenses. Format masks from Set of Masks 534.16 can be inserted in the fresnel lens holder without having to remove the fresnel lens.  
 Easy to snap into Metering Back 4x5"/10x12.5 cm 462.16 or into Holder/Focusing Back 4x5"/10x12.5 cm 461.36.



**FRESNEL LENS**  
**5x7"/13x18 cm**  
 535.17

Features similar to those of the of Fresnel Lens 4x5"/10x12.5 cm 461.76.  
 The 535.17 (dimensions: 128x170 mm) fits in Metering Back 5x7"/13x18 cm 462.17 and in any 5x7"/13x18 cm Sinar Holder/Focusing Back.  
 The 535.58 (dimensions: 216x265 mm) fits in Metering Back 8x10"/20x25 cm 462.58.



**FRESNEL LENS**  
**8x10"/20x25 cm**  
 535.58

**SET OF MASKS**  
 534.16

Transparent yellow masks for outlining the image format on a focusing screen when several formats are being used. Fits in Fresnel Lens Frame 461.76.  
 Includes masks for 6x6, 6x7, 6x9 and 10x12.5 cm formats.



**MAGNIFIER 4x**  
 531.11.001

Aspherical color-corrected focusing magnifier with 4x magnification.  
 Viewing area: 45 mm (1<sup>3</sup>/<sub>4</sub>" Ø).  
 Individual viewing sharpness can be adjusted with a focusing ring.  
 • Can be used for checking the image on a focusing screen and also for viewing color transparencies or reflection prints.



# sinar System Components

## **BINOCULAR MAGNIFIER**

471.21

Can be attached to any Sinar bellows with a 4x5"/10x12.5 cm frame for viewing the image on the focusing screen. With the magnifier swung in, the image on the screen is magnified 2x. In order to avoid false measurements, Binocular Light Hood 531.51 is required for shielding the focusing screen from extraneous light during TTL exposure metering.

- Joint Rod 472.51 is recommended for attaching the bellows.



## **BINOCULAR REFLEX MAGNIFIER 4x5"/10x12.5 cm**

531.12

Permits viewing of a right-side-up image on the focusing screen with a choice of normal size or 2x magnification. The mirror is adjustable for best possible viewing of the image on the focusing screen. This is particularly important when it is being used in conjunction with a fresnel lens. Requires the use of Binocular Light Hood 531.51.

For farsighted persons, a Pair of Loupes with 4.25 Diopters 531.12.001 is available.



## **BINOCULAR LIGHT HOOD**

531.51

For viewing the image on a focusing screen with Binocular Magnifier 471.21 or Binocular Reflex Magnifier 531.12 without the interference of extraneous light. Has a flap to prevent stray light from affecting the accuracy of TTL exposure measurements.



## **PAIR OF LOUPES 4.25 Diopters**

531.12.001

For insertion into Binocular Magnifier 471.21 or Binocular Reflex Magnifier 531.12 as eyesight correction for farsighted persons. Special tools and instructions for installation are included.

