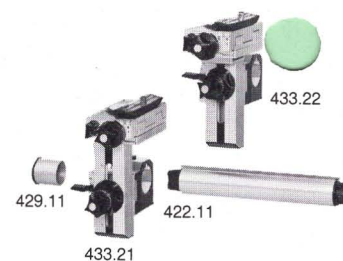




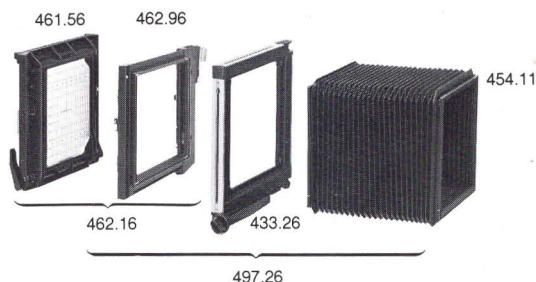
Code

**Components
independent
of the format**



**+
Format-
specific
com-
ponents**

**4×5"
9×12 cm**

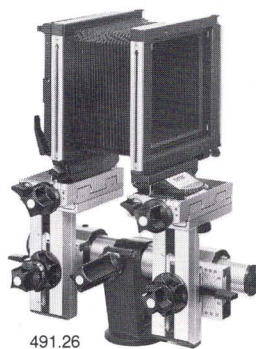


**5×7"
13×18 cm**



**=
Basic
outfit**

sinar p
STANDARD
4×5"
9×12 cm



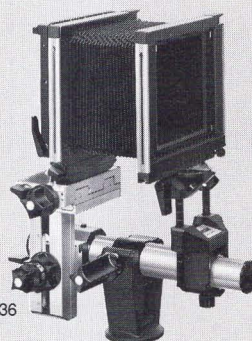
491.26

sinar p
STANDARD
5×7"
13×18 cm

**Alternative versions
all fully integrated
in system**

sinar c

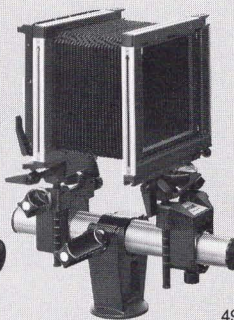
As SINAR p,
but front
standard 437.31
in place
of 431.21



491.36

sinar f

As SINAR c,
but multipurpose
standard 433.31
in place
of 433.21
and 433.26.



491.46

sinar c

As SINAR p,
but front
standard 437.31
in place
of 431.21

**Larger
formats**

To 5×7"/13×18 cm
with format changing set 497.27
To 8×10"/18×24 cm
with format changing set 497.28
Rear standard bearer 433.21 or 433.22
required in addition for SINAR f
To SINAR s 8×10"/18×24 cm
with format changing set 497.28 + 433.48

**Smaller
formats**

To 6×6, 6×7 and 6×9 cm
with roll film holders
To 8.5×10.5 cm (3 1/4×4 1/4")
with Polaroid P405 film pack holder

To 8×10"/18×24 cm
with format changing set 497.28

To 4×5"/9×12 cm
with format changing set 497.26
with format reducing adapter 553.27

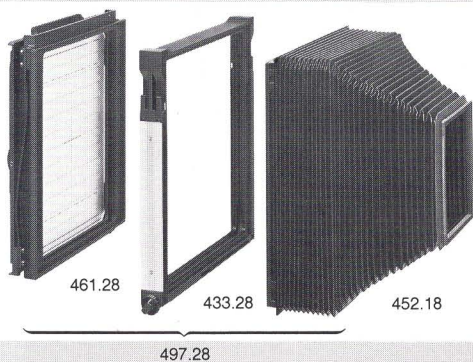
The **format changing sets** are preferable
as they reduce not only the picture size but also
the camera weight and bulk.

R System

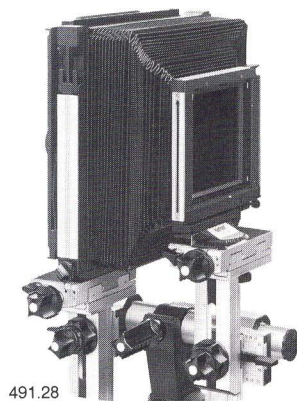
standard outfits



8×10"
18×24 cm

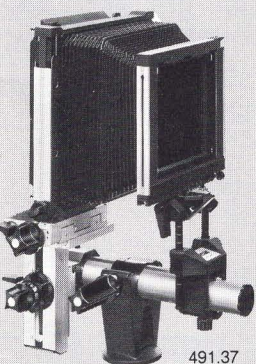


sinar p
STANDARD
8×10"
18×24 cm



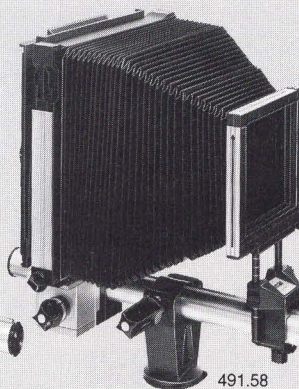
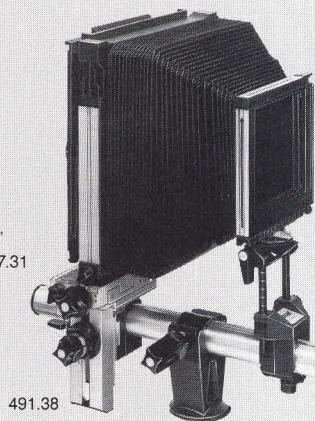
sinar s1

491.58
As SINAR p,
but front
standard 437.41
in place
of 431.21;
rear standard
bearer 433.48
in place
of 433.22;
rail extension
424.11 with
rail cap 428.31
in place of
422.11/429.11



sinar c

491.38
As SINAR p,
but front
standard 437.31
in place
of 431.21



sinar s2

491.68
As SINAR s1,
but front
standard 437.31
in place
of 437.41

To 5×7"/13×18 cm
with format changing set 497.27
To 4×5"/9×12 cm
with format changing set 497.26
with format reducing adapter 553.28

Further, the film plane is unchanged for
all formats, providing optimum wide-angle scope

Basic outfit

sinar p

STANDARD
4 × 5"
9 × 12 cm



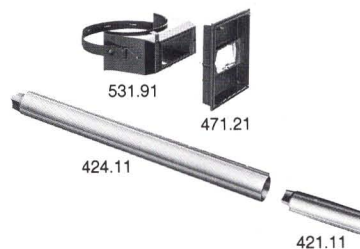
491.26

sinar p

STANDARD
5 × 7"
13 × 18 cm



+ Accessory items independent of the format



531.91

471.21

424.11

421.11

472.81

472.71

472.61

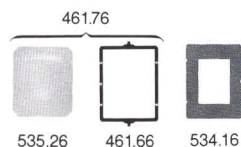
473.31

+ Format- specific com- ponents

4 × 5"/9 × 12 cm



455.36



461.76

535.26

461.66

534.16



475.32

5 × 7"

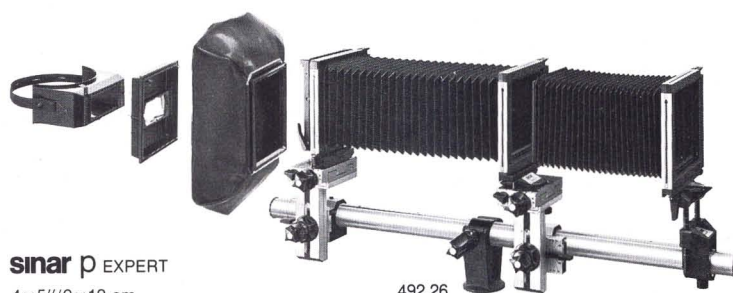


455.27



535.17

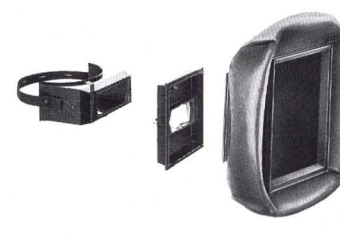
= Expert outfit



sinar p EXPERT

4 × 5"/9 × 12 cm

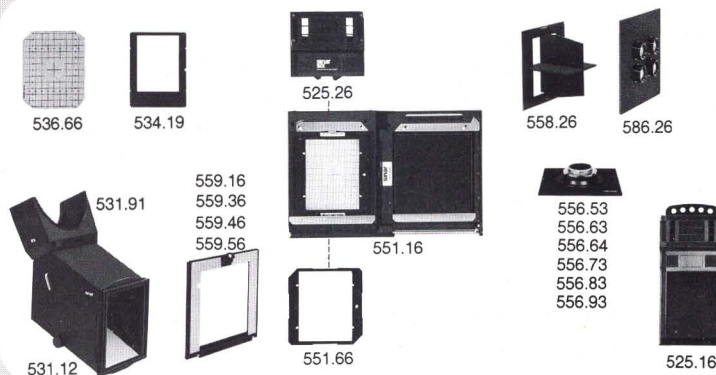
492.26



sinar p EXPERT

5 × 7"/13 × 18 cm

Further accessory items (subject to the format)



536.66

534.19

525.26

558.26

586.26

531.91

559.16

559.36

559.46

559.56

551.16

551.66

556.53

556.63

556.64

556.73

556.83

556.93

525.16



536.37

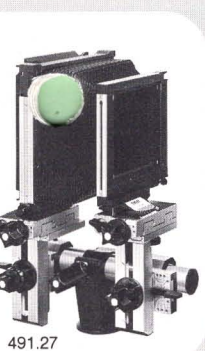
553.27

525.17

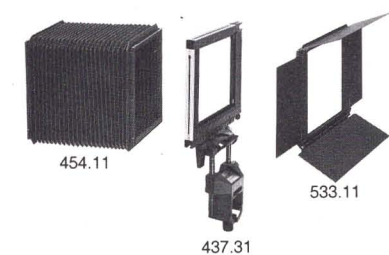
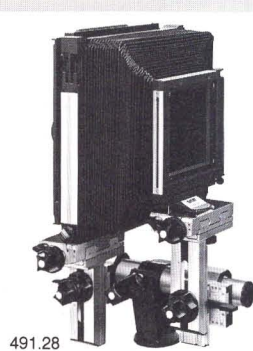
571.11

R system

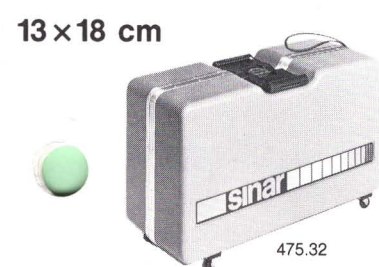
basic outfit



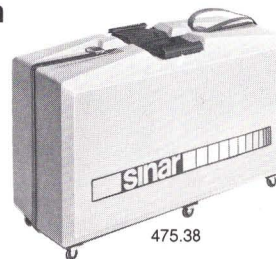
sinar p
STANDARD
8×10"
18×24 cm



+



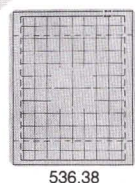
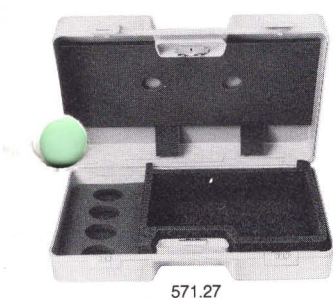
8×10"/18×24 cm



+



=



The SINAR Code is a compact listing of the entire modular system of the SINAR cameras and accessories.

It will help you to assemble your ideal SINAR outfit for your specific requirements.

The key

The first part is the key to the whole SINAR system. It shows how the basic camera outfits are made up and how they can be extended by further system components. Thus a SINAR f may be converted to a SINAR c or p when the need arises.

The camera standards releases by this conversion then serve as multipurpose standards or as components of a second camera. Equally, when required, the basic SINAR p outfit may be extended to a SINAR p EXPERT system. Or you can step up to a larger format or down to a smaller format whenever you want.

The components of the SINAR system

The second part assembles the whole SINAR system in logical groups and briefly describes each component.

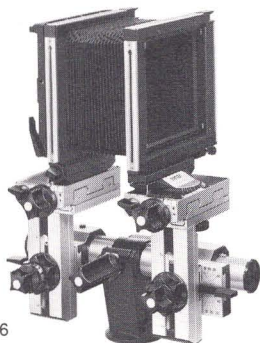
The numerical code

The third part finally lists the whole system once more in the sequence of the order codes. This numerical code is laid out in such a way that you can order any item by simply checking off the appropriate box.

Detailed leaflets and a price list are available from the agency in your country or, if necessary, directly from SINAR.

The illustrations are shown reduced at approximately 1:10 to 1:15.

The cameras



491.26

SINAR p STANDARD
4×5 1/2"×12 cm
5300 g

Comprises:

Rail clamp 411.21
Basic rail unit 12 1/2"/30 cm 422.11
2 rail caps 429.11
Front main standard SINAR p 431.21
Rear standard bearer SINAR p. c 433.21
Rear format frame 4×5 1/2"×12 cm 433.26
Metering back 4×5 1/2"×12 cm 462.16
Universal bellows 454.11

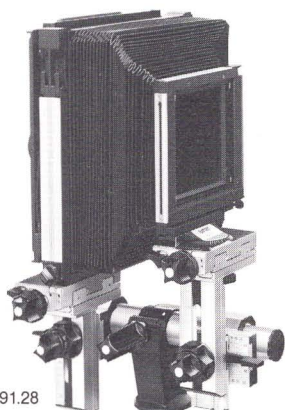


491.27

SINAR p STANDARD
5×7 1/2"×13×18 cm
6000 g

Comprises:

Rail clamp 411.21
Basic rail unit 12 1/2"/30 cm 422.11
2 rail caps 429.11
Front main standard SINAR p 431.21
Rear standard bearer SINAR p. c 433.21
Rear format frame 5×7 1/2"×13×18 cm 433.27
Film holder/screen back 5×7 1/2"×13×18 cm 461.27
Tapered bellows 5×7 1/2"×13×18 cm 452.17

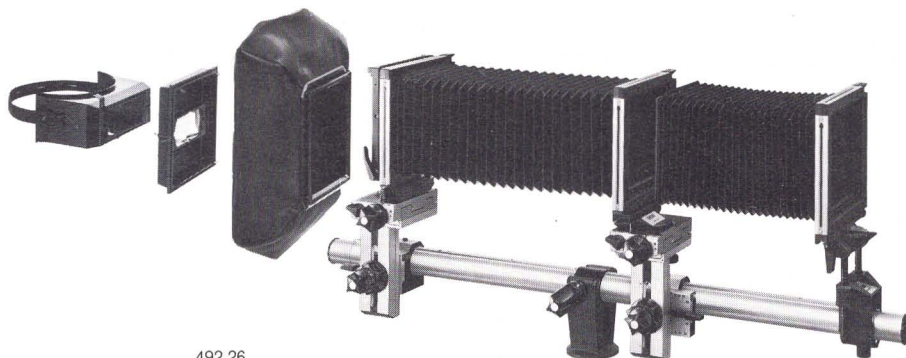


491.28

SINAR p STANDARD
8×10 1/2"×18×24 cm
7100 g

Comprises:

Rail clamp 411.21
Basic rail unit 12 1/2"/30 cm 422.11
2 rail caps 429.11
Front main standard SINAR p 431.21
Rear special bearer SINAR p 433.22
Rear format frame 8×10 1/2"×18×24 cm 433.28
Film holder/screen back 8×10 1/2"×18×24 cm 461.28
Tapered bellows 8×10 1/2"×18×24 cm 452.18

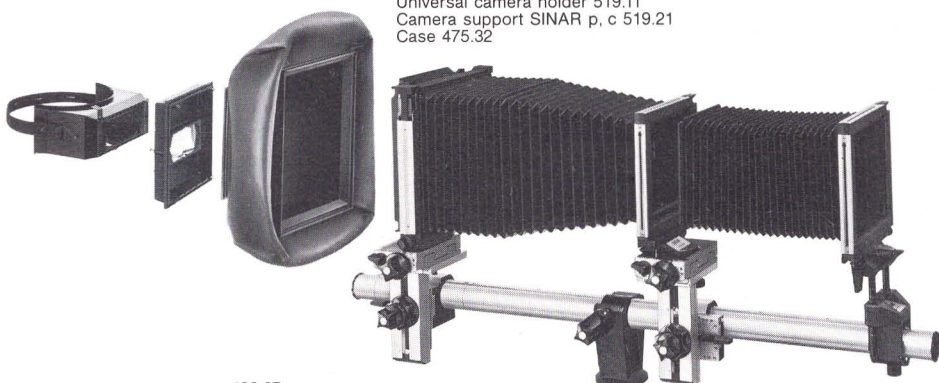


492.26

SINAR p EXPERT
4×5 1/2"×9×12 cm
14 100 g

Comprises:

SINAR p STANDARD 4×5 1/2"×9×12 cm plus the following items:
Multipurpose standard I 437.31
Universal bellows 454.11
Wide-angle bellows 455.36
Rods 11, 16 and 25 cm for bellows hood and filter holder 472.61/71/81
2 bellows holders 473.31
Rail extension 18 1/2"/45 cm 424.11
Rail extension 6 1/2"/15 cm 421.11
Mask and Fresnel holder incl. Fresnel screen 461.76
Mask set 534.16
Binocular magnifier 471.21
Binocular hood 531.91
Bellows hood mask 533.11
Universal camera holder 519.11
Camera support SINAR p. c 519.21
Case 475.32



492.27

SINAR p EXPERT
5×7 1/2"×13×18 cm
14 900 g

Comprises:

SINAR p STANDARD 5×7 1/2"×13×18 cm plus the following items:
Multipurpose standard I 437.31
Universal bellows 454.11
Wide-angle bellows 455.27
Rods 11, 16 and 25 cm for bellows hood and filter holder 472.61/71/81
2 bellows holders 473.31
Rail extension 18 1/2"/45 cm 424.11
Rail extension 6 1/2"/15 cm 421.11
Fresnel screen 5×7 1/2"×13×18 cm 535.17
Binocular magnifier 471.21
Binocular hood 531.91
Bellows hood mask 533.11
Universal camera holder 519.11
Camera support 519.21
Case 475.32

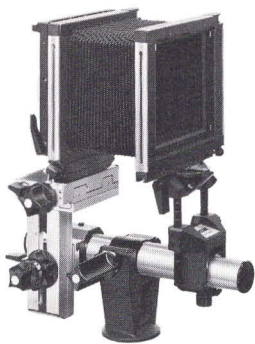


492.28

SINAR p EXPERT
8×10 1/2"×18×24 cm
20 400 g

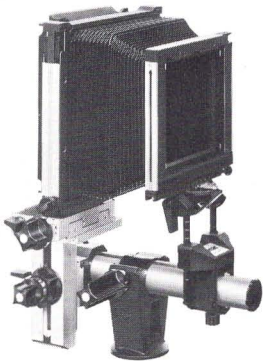
Comprises:

SINAR p STANDARD 8×10 1/2"×18×24 cm plus the following items:
Multipurpose standard I 437.31
Universal bellows 454.11
Wide-angle bellows 455.28
Rods 11, 16 and 25 cm for bellows hood and filter holder 472.61/71/81
2 bellows holders 473.31
Rail extension 18 1/2"/45 cm 424.11
Rail extension 6 1/2"/15 cm 421.11
Fresnel screen 8×10 1/2"×18×24 cm 535.18
Binocular magnifier 471.21
Binocular hood 531.91
Bellows hood mask 533.11
Universal camera holder 519.11
Camera support 519.21
Case 475.38



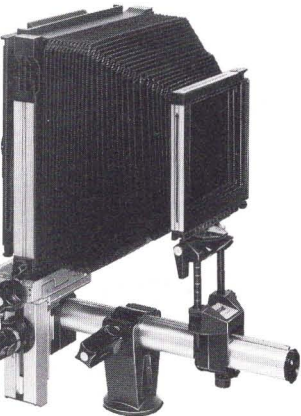
491.36

SINAR c
4×5 1/2"×12 cm
4200 g
Comprises:
Rail clamp 411.21
Basic rail unit 12"/30 cm 422.11
2 rail caps 429.11
Multipurpose standard I 437.31
Rear standard bearer SINAR p, c 433.21
Rear format frame 4×5 1/2"×12 cm 433.26
Metering back 4×5 1/2"×12 cm
Universal bellows 454.11



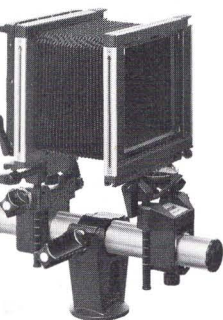
491.37

SINAR c
5×7"×13×18 cm
4900 g
Comprises:
Rail clamp 411.21
Basic rail unit 12"/30 cm 422.11
2 rail caps 429.11
Multipurpose standard I 437.31
Rear standard bearer SINAR p, c 433.21
Rear format frame 5×7"/13×18 cm 433.27
Film holder/screen back 5×7"/13×18 cm 461.27
Tapered bellows 5×7"/13×18 cm 452.17



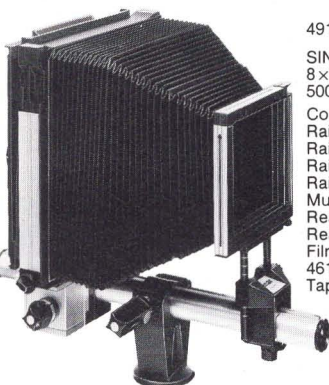
491.38

SINAR c
8×10"/18×24 cm
5800 g
Comprises:
Rail clamp 411.21
Basic rail unit 12"/30 cm 422.11
2 rail caps 429.11
Multipurpose standard I 437.31
Rear standard bearer SINAR p, c 433.21
Rear format frame 8×10"/18×24 cm 433.28
Film holder/screen back 8×10"/18×24 cm 461.28
Tapered bellows 8×10"/18×24 cm 452.18



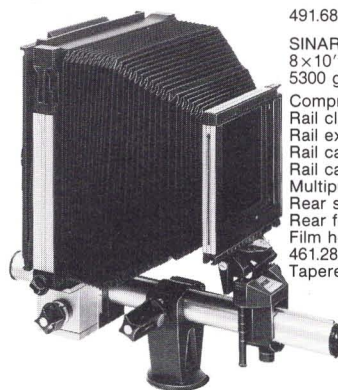
491.46

SINAR f
4×5 1/2"×12 cm
3200 g
Comprises:
Rail clamp 411.21
Basic rail unit 12"/30 cm 422.11
2 rail caps 429.11
Multipurpose standard I 437.31
Multipurpose standard II 433.31
Film holder/screen back 4×5 1/2"×12 cm 461.36
Multipurpose bellows 454.11



491.58

SINAR s1
8×10"/18×24 cm
5000 g
Comprises:
Rail clamp 411.21
Rail extension 18"/45 cm 424.11
Rail cap 429.11
Rail cap, special 428.31
Multipurpose standard III 437.41
Rear standard bearer SINAR s 433.48
Rear format frame 8×10"/18×24 cm 433.28
Film holder/screen back 8×10"/18×24 cm 461.28
Tapered bellows 8×10"/18×24 cm 452.18



491.68

SINAR s2
8×10"/18×24 cm
5300 g
Comprises:
Rail clamp 411.21
Rail extension 18"/45 cm 424.11
Rail cap 429.11
Rail cap, special 428.31
Multipurpose standard I 437.31
Rear standard bearer SINAR s 433.48
Rear format frame 8×10"/18×24 cm 433.28
Film holder/screen back 8×10"/18×24 cm 461.28
Tapered bellows 8×10"/18×24 cm 452.18



493.16

SINAR handy
1300 g
Comprises:
Rear format frame 4×5 1/2"×12 cm 433.26
Film holder/screen back 4×5 1/2"×12 cm 461.36
Handgrip 513.21
Coupling piece 513.61
Accessory shoe 531.61
Two-way spirit level 531.71

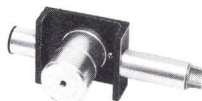
Camera supports



411.21

Rail clamp

To mount the SINAR camera on the pan/tilt head 516.41 or directly on a tripod. Fitted with 3/8" tripod bush. Convertible to 1/4" bush with reducing bush 519.61. Can also be used for all smaller cameras via the universal camera holder 519.11.



411.91

MP-4 camera clamp

Coupling piece for using SINAR cameras up to 8×10"/18×24 cm with the Polaroid MP-4 copying system. Includes special 9 cm rail unit and rail cap 429.11 (single-sided).



418.11

Baseplate with screws

As extra camera support with 8×10"/18×24 cm models with long extension or when using the Rapid Adapter. The camera is mounted on the 490 mm baseplate (in turn fixed to the tripod or the pan/tilt head) with two rail clamps 411.21.



514.21

Clamping stand

The clamping stand can mount cameras with 3/8" tripod bush virtually anywhere (for instance on window frames, ladders, railings, etc.). For cameras of different tripod bush size use with universal screw adapter set 515.11. Comprises: Camera holder 514.71
Clamp unit 514.81
Screw adapter 514.91



514.71
Camera holder
Part of clamping stand.



514.81
Clamp unit
Part of clamping stand.



514.91
Screw adapter
With $\frac{3}{8}$ " screw for directly mounting camera on clamp unit.
Mount cameras of different bush size with universal screw adapter set 515.11.



515.11
Universal screw adapter set
Cage with six different screw and bushes – $\frac{1}{4}$ ", $\frac{3}{8}$ " and M6. A valuable aid for mounting any camera on camera stands with different screw fittings.



516.41
Pan/tilt head
With $\frac{1}{4}$ "/ $\frac{3}{8}$ " camera screw 519.71.



519.61
Reducing bush, Continental/English
Reduces a $\frac{3}{8}$ " bush to $\frac{1}{4}$ ". For use with the pan/tilt head 516.41 and rail clamp 411.21.



519.71
Camera screw, Continental/English
 $\frac{3}{8}$ " and $\frac{1}{4}$ " screws for pan/tilt head 516.41 and universal camera holder 519.11.

The SINAR rail



421.11
Rail extension
 $6\frac{1}{2}$ "/15 cm
Extends the SINAR rail by $6\frac{1}{2}$ "/15 cm



422.11
Basic rail unit
 $12\frac{1}{2}$ "/30 cm
Basic rail of all SINAR cameras. Any number of extension rails can be screwed on at either end.



423.11
Rail extension
 $12\frac{1}{2}$ "/30 cm
Extends the SINAR rail by $12\frac{1}{2}$ "/30 cm



424.11
Rail extension
 $18\frac{1}{2}$ "/45 cm
Extends the SINAR rail by $18\frac{1}{2}$ "/45 cm

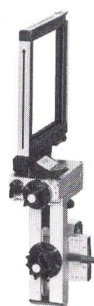


428.31
Rail cap, special
Prevents unlocked standards from sliding off when a rail extension is used as the basic rail unit.



429.11
Standard rail cap
Prevents unlocked standards from sliding off the rail.

Standards



431.21
Front main standard
SINAR p
Lens standard of the SINAR p, with full parallel displacements, swings and tilts.



433.21
Rear standard bearer
SINAR p, c
Lower section of the SINAR p and c rear standard, with the full parallel displacements, swings and tilts plus depth of field scale. The standard bearer takes the rear format frame. Where the camera is constantly used as an $8\times 10\frac{1}{2}$ "/ 18×24 cm camera, the SINAR p rear special standard bearer 433.22 is recommended.



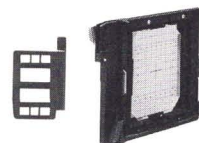
433.22
Rear special standard bearer
SINAR p
Heavy duty standard bearer for the $8\times 10\frac{1}{2}$ "/ 18×24 cm format frame. Also recommended when using the $4\times 5\frac{1}{2}$ "/ 9×12 cm Rapid Adapter. Can also be used on a $4\times 5\frac{1}{2}$ "/ 9×12 cm and $5\times 7\frac{1}{2}$ "/ 13×18 cm camera assembly.



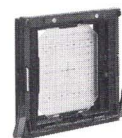
433.48
Rear standard bearer
SINAR s
Lower section of the SINAR s $8\times 10\frac{1}{2}$ "/ 18×24 cm rear standard, with fine focusing drive, depth of field indicator and tilt angle scale. Without tilt or parallel displacement mechanism.



433.26
Rear format frame
 $4\times 5\frac{1}{2}$ "/ 9×12 cm
Upper section of the $4\times 5\frac{1}{2}$ "/ 9×12 cm SINAR p and c rear standard.
Fits SINAR p rear standard bearer 433.21 or SINAR p special bearer 433.22. To take the film holder and ground glass screen, the metering back 462.16 or $4\times 5\frac{1}{2}$ "/ 9×12 cm F/S back 461.36 is required.



462.16
Metering back
 $4\times 5\frac{1}{2}$ "/ 9×12 cm
Takes film holder and ground glass screen on $4\times 5\frac{1}{2}$ "/ 9×12 cm rear format frame or on all multipurpose standards.
The probe housing holds the metering probe of the exposure meter (BRONCOLOR, GOSSEN, PRONTOR, SINAR). The probes are thus instantly ready to operate without needing a light-meter cassette.
Consists of $4\times 5\frac{1}{2}$ "/ 9×12 cm film holder and meter probe carrier 462.96, $4\times 5\frac{1}{2}$ "/ 9×12 cm screen carrier 461.56 and exposure meter holder on the film holder carrier. Including $4\times 5\frac{1}{2}$ "/ 9×12 cm ground glass screen 536.66.
Mask and Fresnel holder 461.76 including Fresnel screen, and mask set 534.16 are recommended.



461.36
Film holder/screen back
 $4\times 5\frac{1}{2}$ "/ 9×12 cm
Takes film holder and ground glass screen on $4\times 5\frac{1}{2}$ "/ 9×12 cm rear format frame or on all multipurpose standards.
Consists of $4\times 5\frac{1}{2}$ "/ 9×12 cm film holder carrier 461.46 and $4\times 5\frac{1}{2}$ "/ 9×12 cm screen carrier 461.56.
Includes $4\times 5\frac{1}{2}$ "/ 9×12 cm ground glass screen 536.66. Mask and Fresnel holder 461.76 including Fresnel screen, and mask set 534.16 are recommended.



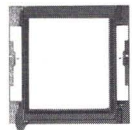
462.96

Film holder and meter probe carrier
4×5''/9×12 cm
Required to convert F/S back 461.36 to the metering back 462.16.



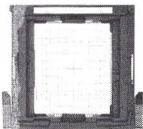
462.96.001

Lightmeter holder
Included in metering back 462.16 and in 4×5''/9×12 cm film holder and meter probe carrier 462.96.



461.46

Film holder without meter probe carrier
4×5''/9×12 cm
Fits screen carrier 4×5''/9×12 cm 461.56.



461.56

Screen carrier
4×5''/9×12 cm
Including 4×5''/9×12 cm ground glass screen 536.66.
Fits film holder carrier 4×5''/9×12 cm 462.96 and 461.46.



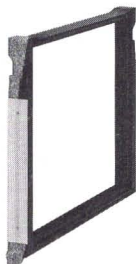
433.27

Rear format frame
5×7''/13×18 cm
Upper section of 5×7''/13×18 cm SINAR p and SINAR c rear standard.
Fits SINAR p rear standard bearer 433.21 or SINAR p special rear bearer 433.22. To take film holder and ground glass screen, 5×7''/13×18 cm F/S back 461.27 is required.



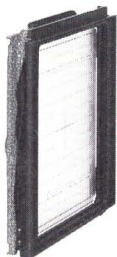
461.27

Film holder/screen back
5×7''/13×18 cm
Takes film holder and ground glass screen on 5×7''/13×18 cm rear format frame 433.27. Includes 5×7''/13×18 cm ground glass screen 536.37.
Fresnel screen 535.17 is recommended.



433.28

Rear format frame
8×10''/18×24 cm
Upper section of 8×10''/18×24 cm SINAR p, c, s rear standard.
The special SINAR p standard bearer 433.22 is recommended.
Also fits the SINAR p rear standard bearer 433.21.
To take film holder and ground glass screen, 8×10''/18×24 cm F/S back 461.28 is required.



461.28

Film holder/screen back
8×10''/18×24 cm
Takes film holders and ground glass screen on 8×10''/18×24 cm rear format frame 433.28. Includes ground glass screen 536.38.
The Fresnel screen 535.18 is recommended.



437.31

Multipurpose standard I
Multipurpose standard for the bellows lens hood, serves as intermediate bellows support with long extensions, as object stage, holder for the SINAR mirrors, etc. Equipped with parallel displacement and swing and tilt movements. Also serves as lens standard of the SINAR f, c, s2.



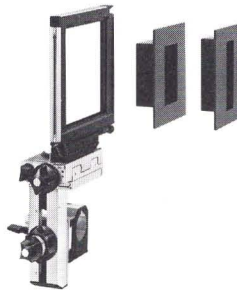
433.31

Multipurpose standard II with micrometer focusing
Multipurpose standard with swings, tilts and parallel displacements, depth of field scale and tilt indicator. Forms rear standard of SINAR f. Also an ideal object stage for macrophotography.



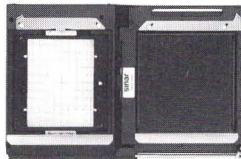
437.41

Multipurpose standard III
Lens standard of SINAR s1 with rising front movement, without swings and tilts. Can also be used as multipurpose standard where no camera movements are required.



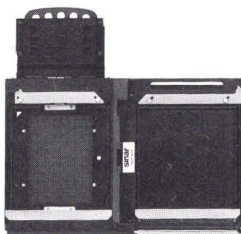
433.91

Police standard with masks
Permits precise location of three exposures on a 4×5'' film.



551.16

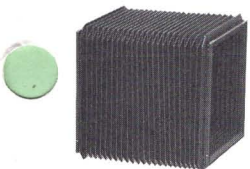
Rapid Adapter without SINARSIX attachment
The Rapid Adapter consists of a ground glass screen section and a film holder section taking standard 4×5''/9×12 cm film holders, various roll film magazines and Polaroid film pack or sheet film holders.
After focusing on the ground glass screen, the sliding carriage of the Rapid Adapter is pushed to the left to bring the film into position for the exposure. Upright or horizontal shots are possible.
The Adapter does not interfere with automatic operation of the SINAR shutters.
With the SINARSIX attachment 525.26 the lightmeter probes can be used on the ground glass screen section without a lightmeter cassette. Includes mask and Fresnel holder 551.66.
Accessories: Fresnel screen 535.26, mask set 534.16, spare ground glass screen 536.46.
Recommended for more rigid set-up: Special standard bearer 433.22 and base plate 418.11 with two rail clamps 411.21.



551.26

Rapid Adapter with SINARSIX attachment
The Rapid Adapter consists of a ground glass screen section and a film holder section taking standard 4×5''/9×12 cm film holders, various roll film magazines and Polaroid film pack or sheet film holders.
After focusing on the ground glass screen, the sliding carriage of the Rapid Adapter is pushed to the left to bring the film into position for the exposure. Upright or horizontal shots are possible.
The Adapter does not interfere with automatic operation of the SINAR shutters.
With the SINARSIX attachment 525.26 the lightmeter probes can be used on the ground glass screen section without a lightmeter cassette. Includes mask and Fresnel holder 551.66.
Accessories: Fresnel screen 535.26, mask set 534.16, spare ground glass screen 536.46.
Recommended for more rigid set-up: Special standard bearer 433.22 and base plate 418.11 with two rail clamps 411.21.

Bellows



454.11

Universal (multipurpose) bellows
4×5 1/2" / 9×12 cm

Standard bellows of 4×5 1/2" / 9×12 cm SINAR p, c, f. Used with the multipurpose standards to increase the camera extension for all film sizes and as bellows hood and ground glass screen viewing hood. Extends to 45 cm (18").



455.36

Wide-angle bellows
4×5 1/2" / 9×12 cm

For very short extensions with 4×5 1/2" / 9×12 cm format and focal lengths from 65 to 135 mm. Permits maximum camera movement range despite short extension. Also used as ground glass screen viewing hood, for instance with binocular magnifier 471.21 and hood 531.91.



452.17

Tapered bellows
5×7 1/2" / 13×18 cm

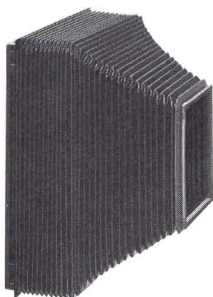
For extensions up to 50 cm (19 1/2") with 5×7 1/2" / 13×18 cm format. Longer extensions require a multipurpose standard and additional universal bellows.



455.27

Wide-angle bellows
5×7 1/2" / 13×18 cm

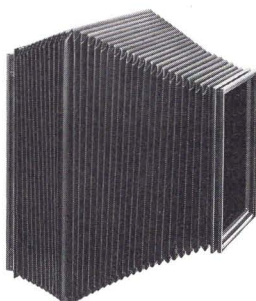
For very short extensions with 5×7 1/2" / 13×18 cm format and focal lengths from 90 to 165 mm. Permits maximum camera movement range despite short extension. Also used as a ground glass screen viewing hood, for instance with binocular magnifier 471.21 and hood 531.91.



452.18

Tapered bellows
8×10 1/2" / 18×24 cm

For extensions up to 65 cm (25") with 8×10 1/2" / 18×24 cm format. Extensions from 65 to 90 cm require multipurpose standard 437.31 and additional universal bellows 454.11.



453.18

Special bellows
8×10 1/2" / 18×24 cm to 5×7 1/2" / 13×18 cm

For extensions exceeding 90 cm (35") with 8×10 1/2" / 18×24 cm format. A 5×7 1/2" / 13×18 cm rear standard is required as intermediate standard and 5×7 1/2" / 13×18 cm tapering bellows. Further extensions possible with multipurpose standard and universal bellows.



455.28

Wide-angle bellows
8×10 1/2" / 18×24 cm

For very short extensions with 8×10 1/2" / 18×24 cm format, and focal lengths from 120 to 240 mm. Permits maximum camera movement range despite short extension. Also used as ground glass screen viewing hood, for instance with binocular magnifier 471.21 and hood 531.91.



473.31

Bellows holder

To mount the bellows hood or bellows hood mask 533.11 on camera. A rod for the bellows hood and filter holder 472.61/71/81 is required. Not usable on old SINAR.



472.61

Rod, 11 cm (4 1/4")
for bellows hood
and filter holder

Permits use of bellows holder 473.31 and filter holder 541.21 on camera.



472.71

Rod, 16 cm (6 1/4")
for bellows hood
and filter holder

Permits use of bellows holder 473.31 and filter holder 541.21 on camera.



472.81

Rod, 25 cm (10")
for bellows hood
and filter holder

Permits use of bellows holder 473.31 and filter holder 541.21 on camera.

Viewing aids



536.66

Ground glass screen
4×5"/9×12 cm

Fits 4×5"/9×12 cm metering back 462.16,
4×5"/9×12 cm F/S back 461.36 and all old
4×5"/9×12 cm SINAR F/S backs.



536.46

Ground glass screen
5×5"/12×12 cm

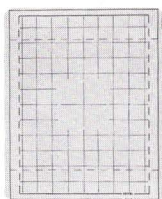
Fits Rapid Adapter 551.16 and 551.26.



536.37

Ground glass screen
5×7"/13×18 cm

Fits 5×7"/13×18 cm F/S back 461.27 and all
old 5×7"/13×18 cm SINAR F/S backs.



536.38

Ground glass screen
8×10"/18×24 cm

Fits 8×10"/18×24 cm F/S back 461.28 and all
old 8×10"/18×24 cm SINAR F/S backs.



535.26

Fresnel screen
4×5"/9×12 cm
unmounted

The Fresnel screen is easy to fit in the mask
and Fresnel holder 461.66 or 551.66.



461.66

Mask and Fresnel holder,
empty

Fits 4×5"/9×12 cm metering back 462.16 and
4×5"/9×12 cm F/S back 461.36.

Matching accessories: Fresnel screen 535.26,
masks 534.16 and 534.19.



461.76

Mask and Fresnel holder,
including Fresnel screen

Fits 4×5"/9×12 cm metering back 462.16 and
4×5"/9×12 cm F/S holder 461.36.

Matching accessories: Masks 534.16 and
534.19.



551.66

Mask and Fresnel holder,
empty

Fits Rapid Adapters 551.16 and 551.26.

Matching accessories: Fresnel screen 535.26,
mask set 534.16.



551.76

Mask and Fresnel screen holder
with Fresnel screen

Fits Rapid Adapter 551.16 and 551.26.

Matching accessories: Masks 534.16 and
534.19.



534.16

Mask set
6×6, 6×7, 6×9 and 9×12 cm

Transparent yellow masks to outline the nega-
tive area on the ground glass screen when us-
ing rollfilm magazines.

Fit mask and Fresnel screen holders 461.66 and
551.66.



534.19

Mask for Polaroid film pack
8.5×10.5 cm/3 1/4×4 1/4"

Mask to outline the Polaroid format on the
ground glass screen.

Fits mask and Fresnel holders 461.66 and
551.66



535.17

Fresnel screen
5×7"/13×18 cm
ready for fitting

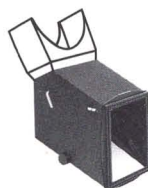
Fits 5×7"/13×18 cm F/S back 461.27.



535.18

Fresnel screen
8×10"/18×24 cm
ready for fitting

Fits 8×10"/18×24 cm F/S back 461.28.



531.12

Binocular reflex magnifier
4×5"/9×12 cm

For viewing upright screen image either in natu-
ral size or with 2 1/2× magnification.

Requires in addition the hood 531.91. A pair of
4.25 diopter magnifiers 531.12.001 is available
for longsighted users.

Adapters for other view cameras: 559.16 to 56.



531.12.001

Pair of 4.25 diopter magnifiers
for binocular reflex magnifier

For longsighted users. Includes special tool
and fitting instructions for changing.



531.18

Copying reflex viewer
8×10"/18×24 cm

Special viewing hood for copying with the
8×10"/18×24 cm SINAR p, c, s when pointing
vertically downwards.

Restricted usability also in normal camera set-
ups.

Includes hood 531.91.



471.21

Binocular magnifier

Fits every SINAR bellows for ground glass
screen viewing without stray light (except
453.18). With the magnifier swung in, the
screen image is magnified 2 1/2×. The hood
531.91 is needed in addition.

Adapters for other view camera makes: 551.16
to 56.



531.91

Binocular hood

Screens off stray light when viewing the ground
glass screen with the binocular magnifier
471.21, the binocular reflex magnifier 531.12 or
the copying reflex viewer 531.18.

Format changing



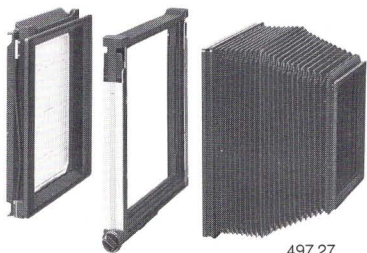
497.26

Format changing set
4×5"/9×12 cm

Converts 5×7"/13×18 cm or 8×10"/18×24 cm
SINAR p or c to 4×5"/9×12 cm.

Comprises:

Rear 4×5"/9×12 cm format frame 433.26.
4×5"/9×12 cm metering back 462.16 Universal
bellows 454.11.



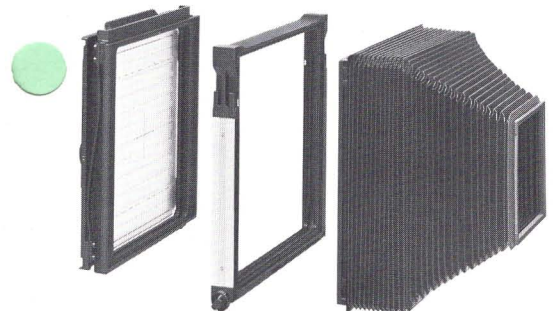
497.27

Format changing set
5×7"/13×18 cm

Converts 4×5"/9×12 cm or 8×10"/18×24 cm
SINAR p or c to 5×7"/13×18 cm.

Comprises:

Rear 5×7"/13×18 cm format frame 433.27.
5×7"/13×18 cm F/S back 461.27.
5×7"/13×18 cm tapering bellows 452.17.



497.28

Format changing set
8×10"/18×24 cm

Converts 4×5"/9×12 cm or 5×7"/13×18 cm
SINAR p or c to 8×10"/18×24 cm.

Comprises:

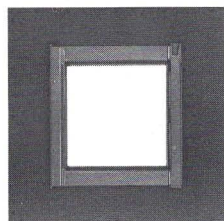
Rear 8×10"/18×24 cm format frame 433.28.
8×10"/18×24 cm F/S back 461.28.
8×10"/18×24 cm tapered bellows 452.18.



553.27

Format reducing adapter
5×7"/13×18 cm to 4×5"/9×12 cm

Reduces picture format from 5×7"/13×18 cm to
4×5"/9×12 cm without change of format
frame. The swing and tilt axes are not in the film
plane and wide-angle performance is restricted.
A 4×5"/9×12 cm metering back 462.16 or F/S
back 461.36 are required in addition.



553.28

Format reducing adapter
8×10"/18×24 cm to 4×5"/9×12 cm

To reduce the picture format from
8×10"/18×24 cm to 4×5"/9×12 cm without
change of format frame. The swing and tilt axes
are not in the film plane and wide-angle per-
formance is restricted.

A 4×5"/9×12 cm metering back 462.16 or F/S
back 461.36 is required in addition.

Lenses and lens boards



441.11

Lens board, plain

For user fitting of lenses. To ensure correct fit-
ting of new lenses they should be fitted at the
factory (marked by SINAR designation en-
graved on lens).

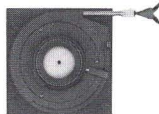


441.11

Lens board,
to take lens

With suitable opening and barrel to take various
lenses.

When ordering, **exact** indication is essential of
type, focal length and mount of lens to be fitted.



442.21

Lens board
with aperture control

To fit or convert various lenses to manual
SINAR aperture control.

The lens listing on page 22 indicates which
lenses may be fitted. The lens must be mounted
by SINAR or authorised customer servicing sta-
tions. When ordering, **exact** indication is essen-
tial of type, focal length and mount of lens to be
fitted.



446.11

Lens in auto-aperture
control mount (DB) on board

Lenses with DB mount for automatic aperture
control with the SINAR/COPAL shutter 521.31
and the SINAR DIGITAL shutter 522.11.



446.21

DB conversion kit
with board

For user conversion of existing lenses to auto-
aperture control. Kit includes fitting instruc-
tions. When ordering, **exact** indication is essen-
tial of type, focal length and mount of lens to be
fitted.

For manual control see 446.91.



446.81

Lens in DB control
with manual aperture setting,
on board

Like lenses in DB mount 446.11, but with addi-
tional manual settings for apertures smaller
than f/45, depending on lens type.



446.91

Auto-aperture conversion kit (DB)
with manual aperture settings
and board

For user-fitting of existing lenses for auto-aper-
ture control with additional manual settings at
apertures smaller than f/45, depending on lens
type. The conversion kit includes fitting instruc-
tions.

When ordering, **exact** indication is essential of
type, focal length and mount of lens to be fitted.



441.71

Macro tube on lens board

For using traditional macro lenses on the
SINAR.

Shutters and modules



521.31

SINAR/COPAL shutter

Mechanical behind-lens shutter with auto-aperture control.

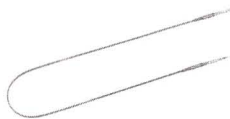
Includes:

Automatic cable 521.51.

Cable release 521.61.

Bayonet connector 521.91.

Synchro lead adapter with standard plug 522.11.005.



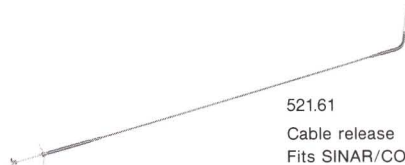
521.51

Automatic cable

Closes shutter automatically when film holder is pushed in and opens shutter on withdrawing the film holder.

For 75 cm maximum camera extension.

Includes bayonet connector 521.91.



521.61

Cable release

Fits SINAR/COPAL shutter 521.31, 70 cm long.



521.91

Bayonet connector for automatic cable

Connects automatic cable 521.51 to film holder carrier.

522.11

DIGITAL shutter

Electronically controlled behind-lens shutter with auto-aperture control link. Basic element of electronic modular system.

Includes:

Release and automatic cable, 0.3 m/1.2 m

522.11.002.

Synchro lead adapter 522.11.005.

Provision for plugging in modules 522.41, 522.51 and SINARSIX-digital 524.31.

Matching accessories: Case 573.91, shutter accumulator 523.91, battery charger 523.11.001/002.



522.11.002

Release and automatic cable
0.3 m/1.2 m

Coiled cable for automatic shutter and aperture control with DIGITAL shutter 522.11.
For camera extensions up to 1.2 m, release cable 0.3 m long.



522.11.003

Release and automatic cable
5 m/1.2 m

For camera extensions up to 1.2 m, release cable 5 m long.



522.11.004

Release and automatic cable
5 m/2 m

For camera extensions up to 2 m, release cable 5 m long.



522.11.005

Synchro lead adapter
with standard plug,
7 cm long

Connects commercially available flash synchronising leads or remote releases to DIGITAL shutter 522.11 or SINAR/COPAL shutter 521.31.



522.11.006

Flash synchro lead

Synchro lead, 5 m long, with reinforced heavy-duty plug to fit shutter. A plug to fit the flash unit in use may be attached to the free end of the lead.

Fits SINAR DIGITAL shutter 522.11 and later versions (from 1980) of SINAR/COPAL shutter 521.31 with new flash socket.



522.41

Module 1

Module 1, connected to DIGITAL shutter 522.11, processes measured intensity values for continuous or flash lighting with manual input or directly entered from film plane with SINARSIX-digital meter 524.31.

Module 1 calculates and controls correct exposure for single-point, multi-point and contrast measurements; allows automatically for reciprocity failure with long exposure times.

Recommended accessory: Module accumulator 522.91.



522.51

Module 2

Module 2 has same specifications as module 1 but also establishes correct exposure with complex mixed light setups.

Recommended accessory: Module accumulator 522.91.



523.81

Module carrier

Allows module 1 or 2 to be mounted behind camera on rail as a control unit.

Requires module cable 523.71 to connect to DIGITAL shutter 522.11.



523.71

Module cable

Connects DIGITAL shutter 522.11 with module 1 or module 2 when the module is not attached directly to the DIGITAL shutter.

Length 120 cm.



523.91

Shutter accumulator

Power supply for SINAR DIGITAL shutter and modules, with mounting to attach to SINAR rail unit, and with connecting cable to DIGITAL shutter.

Module accumulator 522.91 may not be connected at same time.



522.91

Module accumulator

Attaches directly to module 1 and module 2. Shutter accumulator 523.91 may not be connected at same time.



523.11.001

SINAR-rapid battery charger,
110 volts

Rapid charger to recharge the accumulators of DIGITAL shutter and modules. Also mains adapter for direct mains operation. Can only operate via shutter accumulator 523.91 or module accumulator 522.91.

523.11.002

SINAR-rapid battery charger,
220 volts

Specification as for charger 523.11.001

Exposure meters

524.31

SINARSIX-digital

Exposure meter for spot readings in image plane, with silicon cell for every type of lighting. Readings automatically fed into module 1 or 2 where they are processed for automatic setting of DIGITAL shutter 522.11. Can be used directly in the 4×5"/9×12 cm metering back 462.16 or with lightmeter cassette 525.16/17 (525.17 combined with 525.18 for 8×10"/18×24 cm).

Including release cable 524.31.001.

524.31.001

Release cable with short connection to SINARSIX-digital.

524.41

PROFI-select TTL

Attachment for GOSSEN PROFISIX for exposure measurement of flash and continuous light in film plane, using a silicon cell. May be used directly in 4×5"/9×12 cm metering back 462.16 or with the lightmeter cassette 525.16/17.

524.21

SINARSIX exposure meter with probe

Exposure meter for spot readings in film plane, using a CdS cell for continuous light. Includes three scale dials 524.61/71/81. May be used directly in 4×5"/9×12 cm metering back 462.16 or with the lightmeter cassette 525.16/17.

524.51

Densitometer aperture with instructions

Adapts SINARSIX for use as densitometer.

524.61

SINARSIX scale dial N (normal)

Linear shutter speed scale.

524.71

SINARSIX scale dial S (Reciprocity corrected)

Allows for average long-time reciprocity failure.

524.81

SINARSIX scale dial X (user's reciprocity correction)

User may mark shutter speed scale for specific reciprocity failure correction.

524.91

SINARSIX scale dial P (modelling light)

User may mark shutter speed scale for modelling lamp indexes of electronic flash units.

525.16

SINARSIX lightmeter cassette 4×5"/9×12 cm

Takes measuring probes of all probe exposure meters. Usable in all view cameras with international 4×5"/9×12 cm back.

525.17

SINARSIX lightmeter cassette 5×7"/13×18 cm

Takes metering probes of all probe exposure meters. Usable in all view cameras with international 5×7"/13×18 cm back.

525.18

SINARSIX adapter frame 8×10"/18×24 cm

Adapts 5×7"/13×18 cm SINARSIX lightmeter cassette to view cameras with international 8×10"/18×24 cm back.

525.26

SINARSIX attachment for Rapid Adapter

Permits the use of all probe exposure meters without lightmeter cassette in Rapid Adapter 551.16.

Filters and filter holders

546.01
to 546.21

Glass filters

Round, 103 mm diameter, dyed in the mass and coated, clear diameter 96 mm, to fit universal filter holder 541.21 and any SINAR shutter (not polarising filter). Table with detailed data on page 21.

541.21

Universal filter holder with screw-in ring 541.91

The universal filter holder takes glass filters 546.01-21 of 103 mm diameter, the SINAR polarising filter 546.21 or the gelatine filter holder 542.21.

541.91

Screw-in ring

For universal filter holder 541.21.

Gelatine filters

Available from various manufacturers. 10×10 cm filters fit gelatine filter holder 542.21 and any SINAR shutter.

542.21

Gelatine filter holder

For 10×10 cm gelatine filters. Fits universal filter holder 541.21 or directly (with the 541.91 screw-in ring) in the 300 mm Sironar, 300 mm Symmar-S and 165 mm Super-Angulon lenses.

533.11

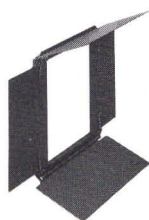
Bellows hood mask

The bellows hood mask can serve as a hood with wide-angle lenses, as a mask holder for special effects or as the holder for the SINAR shading filters.
Fits all 4×5''/9×12 cm cm standards and bellows holder 473.31.

542.91
to 542.91.211

Shading filters

Available in sets of 10 filters each, with instructions, mounted in frames; clear opening 113×118 mm, fit bellows hood mask 533.11. Table with details on page 21.



Other accessories

538.11

Front-surfaced mirror in protective case

With the SINAR front-surfaced mirror the view camera can "look round the corner" or reflect a subject into an image for special effects.
12×15 cm mirror, fits all 4×5''/9×12 cm standards.

539.11

Semi-reflecting 40/60 % mirror in case

The SINAR semi-reflecting mirror solves lighting problems in close-ups, projects images onto a background screen with front projection setups and can also be used for numerous special effects.
12×12 cm mirror, fits all 4×5''/9×12 cm SINAR standards.



539.91

Semi-reflecting 40/60 % mirror in frame

Mirror without protective case, 18×18 cm large to fit all SINAR 5×7''/13×18 cm standards; otherwise as 539.11.

513.21

Handgrip for handy

Handgrip for SINAR handy 493.16 with 570 mm cable release for lenses with between-lens shutter.

513.61

Coupling piece for handy

To attach handgrip 513.21 to 4×5''/9×12 cm format frame of SINAR p. c 433.26.

531.61

Accessory shoe

To mount various finders on the SINAR handy 493.16 or accessories on any SINAR standard.

M 50

Mamiya finder

For SINAR handy 493.16.

531.71

Two-way spirit level

May be mounted on all SINAR standards. Serves as a supplementary spirit level on the lens standard or for use with the SINAR handy 493.16.

586.26

Quadruple lens on board

For quadruple exposures. Three slide-in stops for f/11, f/16 and f/22 are supplied for each lens. Focal length 125 mm. Format divider 558.26 is required in addition for identity pictures.

558.26

Format divider for four exposures

on 4×5''/9×12 cm or 3 1/4×4 1/4'' films

Required when using the quadruple lens 586.26 for identity shots. Yields four separate images approx. 37×48 mm each.

Film holders



For cameras 4×5''/9×12 cm

566.46

9×12 cm
Double sheet film holder.



566.56

4×5''
Double sheet film holder.



767.45

2 1/4×3 1/4''/6×9 cm
Roll film holder. For No. 120 film, 8 exposures.



767.64

2 1/4×2 3/4''/6×7 cm
Roll film holder. For No. 120 film, 10 exposures.



767.84

2 1/4×2 3/4''/6×7 cm
Roll film holder.
Inserted like sheet film holder, for No. 120 and 220 roll film. 10 or 20 exposures respectively.



P 405

3 1/4×4 1/4''/8,5×10,5 cm
Polaroid film pack holder, including mask 534.19.



P 545

4×5''
Polaroid single sheet film holder.



P 550

4×5''
Polaroid film pack holder.



For cameras 5×7''/13×18 cm

566.47

13×18 cm
Double sheet film holder.



566.57

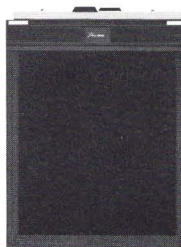
5×7''
Double sheet film holder.



For cameras 8×10''/18×24 cm

566.48

18×24 cm
Double sheet film holder.



566.58

8×10''
Double sheet film holder.



567.12*

SINAR-vario
Format adjustable by choice
for 4,5×6, 6×6, 6×7, 6×9, 6×12 cm
Roll film holder for n° 120 and 220 roll film, number of exposures depends on chosen format.

567.35*

SINAR-panorama
Format 6×12 cm
Roll film holder for n° 120 and 220 roll film, 6 or 12 exposures respectively.
Inserted like sheet film holder.

567.54*

SINAR 67
Format 6×7 cm
Roll film holder for n° 120 and 220 roll film, 10 or 20 exposures respectively.
Inserted like sheet film holder.



567.92*

Spool insert
For roll film holders. Separate spool for preloading. Allows a very fast exchange of the film.



534.12*

Vario mask

* Available summer 1982

For use with other camera systems



519.11

Universal camera holder

With pan/tilt head 516.41 and rail clamp 411.21 forms a solid double pan/tilt head for miniature, medium format or movie cameras. With 1/4" and 3/8" tripod bush.



519.21

Camera support
SINAR p, c

To mount still and movie cameras on the rear standard bearer 433.22/21. Permits precise camera levelling. Tilts and displacements as for SINAR p. Restricted usability also with standard bearer 433.48.



556.53

Adapter board
for Minolta cameras



556.63

Adapter board
for Alpa cameras



556.64

Adapter board
for Hasselblad cameras



556.73

Adapter board
for Exakta cameras



556.83

Adapter board
with 42 mm screw mount



556.93

Adapter board
for Nikon cameras

These adapter boards mount camera bodies in 4×5"/9×12 cm image standard in place of F/S back 461.36 or metering back 462.16. That turns the SINAR into a bellows unit with full SINAR camera movements.



559.16

Toyo adapter
for binocular reflex magnifier



559.36

Cambo adapter
for binocular reflex magnifier



559.46

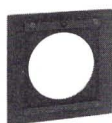
Calumet adapter
for binocular reflex magnifier



559.56

Plaubel adapter
for binocular reflex magnifier

Adapt SINAR binocular reflex magnifier 531.12 or SINAR binocular magnifier 471.21 for use on other 4×5"/9×12 cm view cameras.



441.81

Calumet lens board adapter

Permits the use in SINAR of lenses on Calumet lens board. Cannot be combined with SINAR shutters.

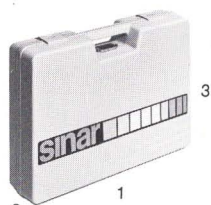


441.91

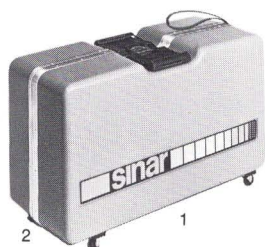
Linhof lens board adapter;
Linhof Technika IV/V,
Linhof Master Technika

Permits use in SINAR of lenses on Linhof lens boards. Cannot be combined with SINAR shutters.

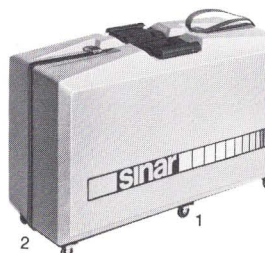
Cases



475.16
Case for SINAR f
520×125×370 mm (20½×5×14½")
Holds SINAR f 491.46 and various accessories.
1600 g



475.32
Case for 4×5"/9×12 cm
or 5×7"/13×18 cm SINAR p
400×300×690 mm (15¾×11¾×27¼")
Holds 4×5"/9×12 cm EXPERT outfit 492.26 or
5×7"/13×18 cm outfit 492.27 and numerous
accessories.
6000 g



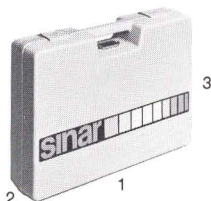
475.38
Case for 8×10"/18×24 cm SINAR p
440×335×760 mm (17¼×13¼×30")
Holds 8×10"/18×24 cm EXPERT outfit 492.28
with 6 film holders, 4–5 lenses, 4×5"/9×12 cm
format changing set 497.26 and numerous small
accessories.
10 100 g



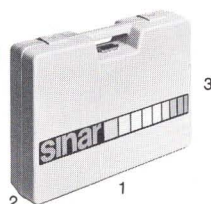
571.11
Universal hold-all case
and four separators
400×170×260 mm (15¾×6¾×10¼")
With adjustable separators. For SINAR handy
493.16, format changing set 497.26 or other ac-
cessories.
2200 g



571.11.005
Lens compartment for 571.11
Fits in universal hold-all case 571.11.
550 g



571.21
Universal case
520×125×370 mm (20½×5×14½")
With foam plastic panels, includes knife for pre-
paring own cutouts.
1850 g



571.22
Accessory case
520×125×370 mm (20½×5×14½")
Holds 8 film holders, 2 lenses, multipurpose
standard or SINARSIX 524.21, 15 cm rail exten-
sion 421.11.
1650 g



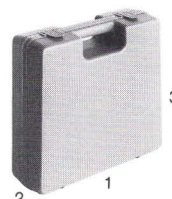
571.27
Adapter case
5×7"/13×18 cm;
520×125×370 mm (20½×5×14½")
Holds 5×7"/13×18 cm format changing set
497.27, seven film holders, 30 cm rail extension
423.11, 45 cm rail extension 424.11.
1550 g



571.28
Adapter case
8×10"/18×24 cm;
520×125×370 mm (20½×5×14½")
Holds 8×10"/18×24 cm format changing set
497.28, 8×10"/18×24 cm wide-angle bellows
455.28, special SINAR p rear standard bearer
433.22, film holders, SINARSIX.
1600 g



573.11
SINARSIX case
330×110×295 mm (13×4¼×11½")
Holds SINARSIX 524.21 with lightmeter cas-
sette and accessories.
800 g



573.91
DIGITAL shutter case
330×110×295 mm (13×4¼×11½")
Holds SINAR DIGITAL shutter 522.11 with shut-
ter accumulator 523.91, battery charger
523.11.001/2 and one module 522.41/51.
800 g



571.99
Double handle
Joins up two cases 475.16, 571.21, 571.22,
571.27, 571.28.
300 g

1 inch = 25,4 mm

100 mm = 4 inches

Numerical code

The camera outfits

491.26	SINAR p STANDARD 4×5''/9×12 cm	5300 g
491.27	SINAR p STANDARD 5×7''/13×18 cm	6000 g
491.28	SINAR p STANDARD 8×10''/18×24 cm	7100 g
491.36	SINAR c 4×5''/9×12 cm	4200 g
491.37	SINAR c 5×7''/13×18 cm	4900 g
491.38	SINAR c 8×10''/18×24 cm	5800 g
491.46	SINAR f 4×5''/9×12 cm	3200 g
491.58	SINAR s1 8×10''/18×24 cm	5000 g
491.68	SINAR s2 8×10''/18×24 cm	5300 g
492.26	SINAR p EXPERT 4×5''/9×12 cm	14100 g
492.27	SINAR p EXPERT 5×7''/13×18 cm	14900 g
492.28	SINAR p EXPERT 8×10''/18×24 cm	20400 g
493.16	SINAR handy 4×5''/9×12 cm	1300 g

Components of the SINAR system

411.21	Rail clamp	480 g
411.91	MP-4 clamp	1300 g
418.11	Baseplate with screws	930 g

421.11	Rail extension 6''/15 cm	200 g
422.11	Basic rail unit 12''/30 cm	320 g
423.11	Rail extension 12''/30 cm	300 g
424.11	Rail extension 18''/45 cm	460 g
428.31	Rail cap, special	20 g
429.11	Rail cap	30 g

431.21	Front main standard SINAR p	1820 g
433.21	Rear standard bearer SINAR p, c	1400 g
433.22	Rear special bearer SINAR p	1600 g
433.26	Rear format frame 4×5''/9×12 cm	420 g
433.27	Rear format frame 5×7''/13×18 cm	700 g
433.28	Rear format frame 8×10''/18×24 cm	1000 g
433.31	Multipurpose standard II with micrometer focusing	900 g
433.48	Rear standard bearer SINAR s	700 g
433.91	Police standard with masks	1970 g
437.31	Multipurpose standard I	900 g
437.41	Multipurpose standard III	550 g

441.11	Lens board, plain	140 g
441.11	Lens board to take lens	140 g
441.71	Macro tube on lens board	150 g
441.81	Calumet lens board adapter	100 g
441.91	Linhof lens board adapter	130 g
442.21	Lens board with aperture control	—
446.11	Lens in auto-aperture control mount (DB) with board	—
446.21	Conversion kit for 446.11 (DB) with board	—
446.81	Lens in auto-aperture control (DB) with manual aperture, on board	—
446.91	Conversion set for 446.81 with manual apertures, on board	—

452.17	Tapered bellows 5×7''/13×18 cm	310 g
452.18	Tapered bellows 8×10''/18×24 cm	630 g
453.18	Special bellows 8×10'' to 5×7''	760 g
454.11	Universal bellows 4×5''/9×12 cm	200 g
455.27	Wide-angle bellows 5×7''/13×18 cm	320 g
455.28	Wide-angle bellows 8×10''/18×24 cm	600 g
455.36	Wide-angle bellows 4×5''/9×12 cm	270 g

461.27	Film holder/screen back (F/S) 5×7''/13×18 cm with ground glass	940 g
461.28	Film holder/screen back (F/S) 8×10''/18×24 cm with ground glass	1210 g
461.36	Film holder/screen back (F/S) 4×5''/9×12 cm with ground glass	510 g
461.46	Film holder carrier (F) 4×5''/9×12 cm	210 g
461.56	Screen carrier (S) 4×5''/9×12 cm	300 g
461.66	Mask and Fresnel holder empty, 4×5''/9×12 cm	10 g
461.76	Mask and Fresnel holder with Fresnel screen 4×5''/9×12 cm	25 g
462.16	Metering back 4×5''/9×12 cm	605 g
462.96	Film holder and meter probe 4×5''/9×12 cm	265 g
492.96.001	Light Meter holder	30 g

471.21	Binocular magnifier	120 g
472.61	Rod 11 cm/4 1/2''	—
472.71	for bellows hood and filter holder	15 g
472.81	Rod 16 cm/6 1/2''	—
472.81	for bellows hood and filter holder	20 g
473.31	Rod 25 cm/10''	—
473.31	for bellows hood and filter holder	30 g
475.16	Bellows holder	20 g
475.32	Case SINAR f	1600 g
475.32	Case SINAR p	—
475.38	4×5''/9×12 cm or 5×7''/13×18 cm	6000 g
475.38	Case SINAR p 8×10''/18×24 cm	10100 g

497.26	Format changing set 4×5''/9×12 cm	1200 g
497.27	Format changing set 5×7''/13×18 cm	2000 g
497.28	Format changing set 8×10''/18×24 cm	2800 g

513.21	Handgrip for handy	220 g
513.61	Coupling piece for handy	140 g
514.21	Clamping stand	1100 g
514.71	Camera holder	460 g
514.81	Clamp unit	600 g
514.91	Screw adapter	40 g
515.11	Universal screw adapter set	170 g
516.41	Pan tilt head	870 g
519.11	Universal camera holder	260 g
519.21	Camera support SINAR p, c	200 g
519.61	Reducing bush Continental /English	10 g
519.71	Camera screw Continental/English	25 g

521.31	SINAR/COPAL shutter	650 g
521.51	Automatic cable	80 g
521.61	Cable release	80 g
521.91	Bayonet connector for 521.51	10 g
522.11	DIGITAL shutter	1040 g
522.11.002	Release and autom. cable 0.3 m/1.2 m (1 ft/4 ft)	70 g
522.11.003	Release and autom. cable 5 m/1.2 m (16 1/2 ft/4 ft)	120 g
522.11.004	Release and autom. cable 5 m/2 m (16 1/2 ft/6 1/2 ft)	180 g
522.11.005	Synchro lead adapter with standard plug	5 g
522.11.006	Flash synchro lead	110 g
522.41	Module 1	580 g
522.51	Module 2	580 g
522.91	Module accumulator	620 g
523.11.001	SINAR-rapid battery charger 110 V	350 g
523.11.002	SINAR-rapid battery charger 220 V	350 g
523.71	Module cable	170 g
523.81	Module carrier	280 g
523.91	Shutter accumulator	670 g
524.21	SINARSIX exposure meter with probe	360 g
524.31	SINARSIX-digital	300 g
524.31.001	Release cable to SINARSIX-digital	35 g
524.41	PROFI-select TTL	240 g
524.51	Densitometer aperture	10 g
524.61	SINARSIX scale dial N (normal)	20 g
524.71	SINARSIX scale dial S (reciprocity corrected)	20 g
524.81	SINARSIX scale dial X (user's recipr. corr)	20 g
524.91	SINARSIX scale dial P (for modelling light)	20 g
525.16	SINARSIX lightmeter cassette 4×5''/9×12 cm	210 g
525.17	SINARSIX lightmeter cassette 5×7''/13×18 cm	300 g
525.18	SINARSIX adapter frame 8×10''/18×24 cm	380 g
525.26	SINARSIX attachment for 551.16	200 g

531.12	Binocular reflex magnifier 4×5''/9×12 cm	450 g
531.12.001	4.25 diopter magnifier lenses	30 g
531.18	Copying reflex viewer 8×10''/18×24 cm	900 g
531.61	Accessory shoe	5 g
531.71	Two-way spirit level	10 g
531.91	Binocular hood	100 g
533.11	Bellows hood mask	100 g
534.12*	Vario mask	50 g
534.16	Mask set for 6×6, 6×7, 6×9, 9×12 cm	20 g
534.19	Mask for Polaroid filmpack 8.5×10.5 cm/3 1/4×4 1/4''	5 g
535.17	Fresnel screen 5×7''/13×18 cm ready for fitting	45 g
535.18	Fresnel screen 8×10''/18×24 cm ready for fitting	120 g
535.26	Fresnel screen 4×5''/9×12 cm, unmounted	25 g
536.37	Ground glass screen 5×7''/13×18 cm	105 g
536.38	Ground glass screen 8×10''/18×24 cm	370 g
536.46	Ground glass screen 5×5''/12×12 cm	70 g
536.66	Ground glass screen 4×5''/9×12 cm	60 g
538.11	Front-surfaced mirror in protective case	480 g
539.11	Semi-reflecting 40/60 % mirror in case 5×5''/12×12 cm	400 g
539.91	Semi-reflecting 40/60 % mirror 7×7''/18×18 cm	350 g

541.21	Filter holder with screw-in ring 541.91	95 g
541.91	Screw-in ring	20 g
542.21	Gelatine filter holder	20 g

Shading filters

Available in sets of 10 each, with instructions / filters mounted in frames; clear opening 113×118 mm / to fit bellows hood mask 533.11.

Order No.	No.	Item/filter type	Notes
_____ 542.91	10	Set of shading filters	7 filters 542.91.105–211 and 3 frames 542.91.001 Self-adhesive for mounting filters
_____ 542.91.001	10	Empty filter frame	
_____ 542.91.105	10	Orange	
_____ 542.91.106	10	Primary red	Can be shaded with graphite
_____ 542.91.129	10	Diffusion screen (heavy frost)	
_____ 542.91.132	10	Medium blue	
_____ 542.91.139	10	Primary green	Exposure factor 4× (= 2 lens stops) Exposure factor 8× (= 3 lens stops)
_____ 542.91.210	10	Neutral density 0.6	
_____ 542.91.211	10	Neutral density 0.9	

Glass filters

Coated glass dyed in the mass, round, 103 mm outside diameter, 96 mm clear diameter, fit universal filter holder 541.21 and every SINAR shutter (except for polarising filter)

Order No.	Filter type	Filter factors Pan	Ortho	Colour	Applications
Black-and-white					
_____ 546.01	Medium yellow	1.5	3		Landscapes, water, snow, distant views
_____ 546.02	Bright orange	2.5	6		Distant views, enhanced contrast, effect filter
_____ 546.03	Yellow green	3	4		Tone value correction, renders greens and reds lighter
_____ 546.04	Bright red	4			Distant views, special effects
_____ 546.05	Deep red	20			Distant views, special effects
_____ 546.06	Infrared				Transmits from 7500 to 30,000 Å (focus adjustment needed)
Colour and black-and-white					
_____ 546.11	Ultraviolet (haze)	1	1	1	Distant views, water, mountains. In predominantly blue light use with skylight I or II
_____ 546.12	Skylight I			1.2	Midday sun, blue sky, light haze
_____ 546.13	Skylight II			1.4	Brilliant sun, intense blue skylight, heavy cast shadows
_____ 546.14	2× neutral density	2	2	2	} To increase exposure time
_____ 546.15	4× neutral density	4	4	4	
_____ 546.16	Soft focus attachment				
_____ 546.21	Polarising filter, mounted	3	3	3	Moderate soft focus effects Increases contrast, eliminates reflections

_____ 551.16	Rapid adapter with 551.66	1040 g
_____ 551.26	Rapid adapter with 525.26 and 551.66	1200 g
_____ 551.66	Mask and Fresnel holder, empty, 5×5"/12×12 cm for 551.16/26	25 g
_____ 551.76	Mask and Fresnel holder with Fresnel screen 5×5"/12×12 cm for 551.16/26	25 g
_____ 553.27	Format reducing adapter 5×7"/13×18 cm to 4×5"/9×12 cm	480 g
_____ 553.28	Format reducing adapter 8×10"/18×24 cm to 4×5"/9×12 cm	800 g
_____ 556.53	Adapter board to take Minolta cameras	170 g
_____ 556.63	Adapter board to take Alpa cameras	120 g
_____ 556.64	Adapter board to take Hasselblad cameras	180 g
_____ 556.73	Adapter board to take Exakta cameras	120 g
_____ 556.83	Adapter board with 42 mm screw mount	200 g
_____ 556.93	Adapter board to take Nikon cameras	160 g
_____ 558.26	Format-divider (adapts to P 405)	100 g
_____ 559.16	Toyo Adapter for 531.12	150 g
_____ 559.36	Cambo Adapter for 531.12	150 g
_____ 559.46	Calumet Adapter for 531.12	150 g
_____ 559.56	Plaibel Adapter for 531.12	150 g

_____ 571.11	Universal hold-all case with 4 separations	2200 g
_____ 571.11.005	Lens compartment for 571.11	550 g
_____ 571.21	Universal case	1850 g
_____ 571.22	Accessory case	1600 g
_____ 571.27	Adapter case 5×7"/13×18 cm for 497.27	1550 g
_____ 571.28	Adapter case 8×10"/18×24 cm for 497.28	1600 g
_____ 571.99	Double handle	300 g
_____ 573.11	SINARSIX case	800 g
_____ 573.91	DIGITAL shutter case	800 g








_____ 586.26	Quadruple lens	260 g
_____ 767.45	Roll film holder 6×9 cm	460 g
_____ 767.64	Roll film holder 6×7 cm	470 g
_____ 767.84	Roll film holder 6×7 cm	750 g
_____ P 405	Polaroid film pack holder 8.5×10.5 cm/3¼×4¼"	300 g
_____ P 545	Polaroid single sheet film holder 4×5"	800 g
_____ P 550	Polaroid film pack holder 4×5"	660 g
_____ M 50	Mamiya view finder 50 mm	140 g

Film holders

_____ 566.46	Double sheet film holder 9×12 cm	190 g
_____ 566.47	Double sheet film holder 13×18 cm	290 g
_____ 566.48	Double sheet film holder 18×24 cm	650 g
_____ 566.56	Double sheet film holder 4×5"	180 g
_____ 566.57	Double sheet film holder 5×7"	290 g
_____ 566.58	Double sheet film holder 8×10"	620 g
_____ 567.12*	SINAR-vario, roll film holder 4.5×6, 6×6, 6×7, 6×9, 6×12 cm	900 g
_____ 567.35*	SINAR-panorama, roll film holder 6×12 cm	750 g
_____ 567.54*	SINAR 67, roll film holder 6×7 cm	750 g
_____ 567.92*	Spool insert	70 g

* Available summer 1982

Lenses

Lenses type	focal length in mm	with auto-aperture control DB DB M 	with between lens shutter						Prontor-Press for SINAR handy 
			Compur mechanical		Copal mechanical		Cpr I, III, V 2) electronic		
			plain board 	aperture control B 	plain board 	aperture control B 	plain board 		
NIKON	Nikkor-SW 105° 1:4.5	75	■ 4)			DB	DB		
		90	■ 4)			DB	DB		
	Nikkor-W 70° 1:5.6	100	■			DB	DB		
		135	■			DB	DB		
		150	■			DB	DB		
		180	■			DB	DB		
		210	■			DB	DB		
		240	■			DB	DB		
	1:6,3	300	■ M)			DB M)	DB M)		
Nikkor-M 1:9 55° 1:10 50°	300	■ M)			DB M)	DB M)			
	450	■ M)			DB M)	DB M)			
RODENSTOCK	Grandagon 105° 1:4,5	65		△	△	△	△		
		75	■ 4)	●	●	●	●	● I	
		90	■ 4)	●	●	●	●	● I	
	Grandagon MC 100° 1:6,8	75	■	●	●	●	●	● I	
		90	■	●	●	●	●	● I	
		115	■	●	●	●	●	● I	
		155		△	△	△	△	△ I	
	Sironar-N MC 73° 1:5,6	100	■	● DB	● DB	● DB	● DB		
		135	■	● DB	● DB	● DB	● DB		
		150	■	● DB	● DB	● DB	● DB	● I DB	
		180	■	● DB	● DB	● DB	● DB	● I DB	
		210	■	● DB	● DB	● DB	● DB	● I DB	
		240	■	● DB	● DB	● DB	● DB	● III DB	
	1:6,8	300	■ M)	● (DB) M)	● (DB) M)	● (DB) M)	● (DB) M)	● III DB M)	
		360	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	● III DB M)	
	Apo Ronar 50° 1:9	150	■	●	●	●	●		
		240	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	● I DB M)	
		300	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	● I DB M)	
		360	■ M)	● (DB) M)	● (DB) M)	● DB M)	● DB M)	● III DB M)	
		420	■ M)			● DB M)	● DB M)		
		480	■ M) 3)			● DB M) 3)	● DB M) 3)	● V	
		600	▲ NF					△ V	
		800	▲ NF						
	1:16	1000	▲ NF					△ V	
	Imagon 1:5,8	200	● NF	●		●		● III	
		250	● NF	●		●		● III	
		300	● NF			●		△ V	
SCHNEIDER	Super Angulon 1) MC 105° 1:5,6	47							△
		65		△	△	△	△		△
		75	■	● DB	● DB	● DB	● DB	● I DB	△
		90	■	● DB	● DB	● DB	● DB	● I DB	
	Super Angulon 1) 100° 1:8	65	■	△	△	△	△		△
		75	■	● (DB)	● (DB)	● DB	● DB	● I DB	△
		90	■	● (DB)	● (DB)	● DB	● DB	● I DB	△
		120	■ M)	● (DB) M)	● (DB) M)	● DB M)	● DB M)	● I DB M)	
		165		△	△	△	△	△ III	
		210		△	△	△	△	△ III	
	Symmar-S MC 70° 1:5,6	100	■	● DB	● DB	● DB	● DB		
		120	■	● DB	● DB	● DB	● DB		
		135	■	● DB	● DB	● DB	● DB		
		150	■	● DB	● DB	● DB	● DB	● I DB	
		180	■	● DB	● DB	● DB	● DB	● I DB	
		210	■	● DB	● DB	● DB	● DB	● I DB	
		240	■	● DB	● DB	● DB	● DB	● III DB	
		300	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	● III DB M)	
	1:6,8	360	■ M)	● (DB) M)	● (DB) M)	● (DB) M)	● (DB) M)	● III (DB) M)	
	1:9,4	480	■ M)	●	●	● DB	● DB		

Notes and symbols

- Type DB auto-aperture iris is automatically controlled down to f/45 by the DIGITAL shutter or the SINAR/COPAL shutter.
 - M) Type M lenses also have manual control for smaller apertures. Other type DB lenses with manual settings on application.
 - DB A conversion set allows conversion of many existing lenses from the original mount to DB mounting.
 - (DB) Conversion possible depending on year of manufacture.
 - Usable with all SINAR shutters.
 - ▲ Restricted use with SINAR shutters.
 - △ Not compatible with SINAR shutters.
 - NF With manual iris diaphragm or perforated stop in place of spring-loaded auto-aperture.
- 1) To compensate optical vignetting (light loss) at the image edges the use of annular graduated filters is recommended.
No. For Super Angulon
 - 1 65 mm f/8
 - 2 47 mm f/5.6, 75 mm f/8
 - 3 65 mm f/5.6, 75 mm f/5.6
 - 3a 90 mm f/8
 - 4 90 mm f/5.6, 120 mm f/8
 Exposure factor for all sizes: 3 x

- 2) Accessories for Compur Electronic shutters not included with lens or in price:
 - el. I: Battery test unit
 - el. III: Aperture setting unit
 - el. V: A remote control unit and cable are required for operation
 - Remote control unit
 - Lead 1.5 m (5')
 - Lead 4 m (13')
 - Lead 10 m (33')
 - Mains adapter 9 volts
 - Remote control lead 4 m (13')
 - Remote control lead 10 m (33')
- 3) Maximum aperture f/11 for lens in springloaded auto-aperture control.
- 4) Max. aperture = f/5.6 when used with SINAR/COPAL shutter 521.31.
- 6) The image circle and maximum displacements all apply to lenses at f/22, focused at infinity. At a close-up scale of for instance 1:5 the values are increased by 20%.
- 7) For upright pictures the vertical and horizontal displacements are interchanged. The values apply only when the lens is displaced from its centre position **either** horizontally **or** vertically.
 - Does not cover format.

Lenses fitted by SINAR can be used with the SINAR shutters as indicated in the table.

sinar[®]

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