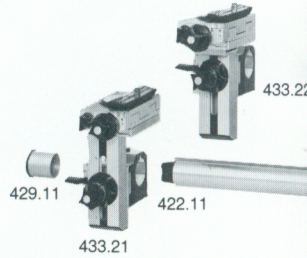




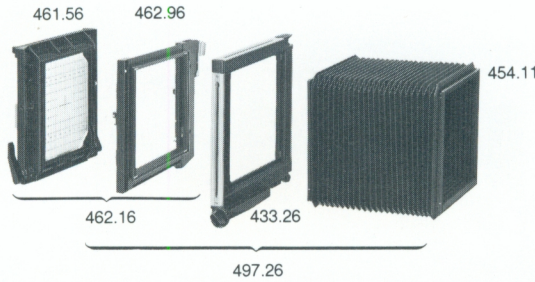
Code

Components
independent
of the format



+
Format-
specific
com-
ponents

4 × 5"
9 × 12 cm

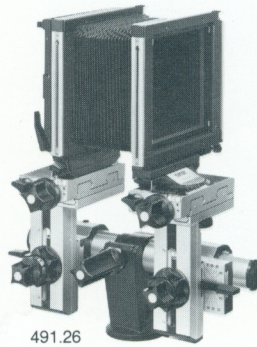


5 × 7"
13 × 18 cm



=
Basic
outfit

sinar p
STANDARD
4 × 5"
9 × 12 cm

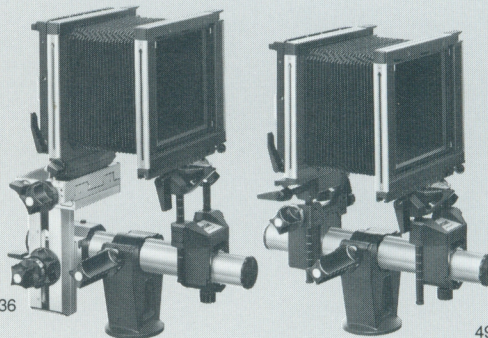


491.26

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.

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

491.46

Larger
formats

To 5 × 7"/13 × 18 cm
with format changing set 497.27
To 8 × 10"/18 × 24 cm
with format changing set 497.58
Rear standard bearer 433.21 or 433.22
required in addition for SINAR f

Smaller
formats

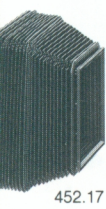
To 4,5 × 6, 6 × 6, 6 × 7, 6 × 9 and 6 × 12 cm
with roll film holders
To 8,5 × 10,5 cm (3 1/4 × 4 1/4")
with Polaroid 766.99 (P. 405) film pack holder

To 8 × 10"/18 × 24 cm
with format changing set 497.58

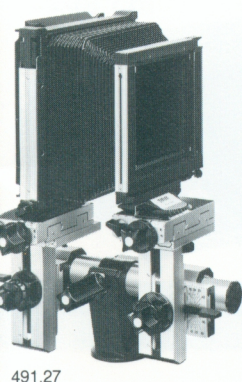
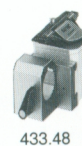
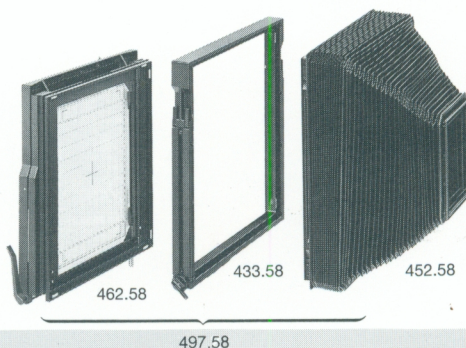
To 4 × 5"/9 × 12 cm
with format changing set 497.26
with format reducing adapter 553.27
The **format changing sets** are preferable
as they reduce not only the picture size but also
the camera weight and bulk.

R System

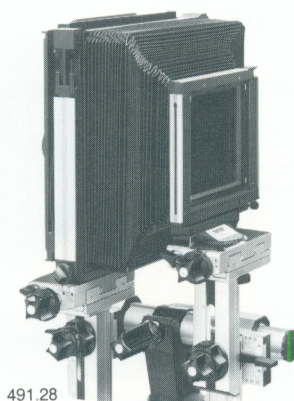
standard outfits



8×10"
18×24 cm

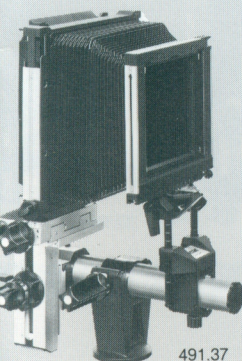


sinar p
STANDARD
8×10"
18×24 cm



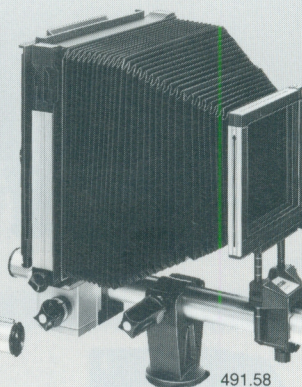
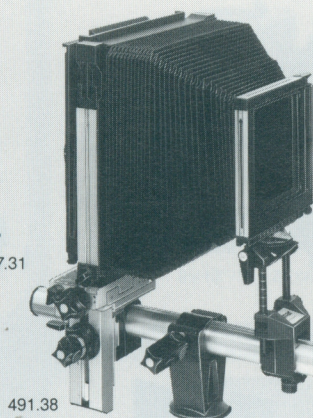
sinar S1

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

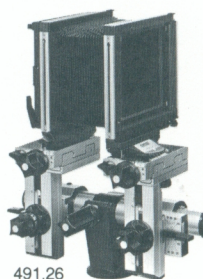
491.68
As SINAR s1,
but front
standard 437.31
in place
of 437.41

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 553.58 for
SINAR p, c

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

Basic outfit

sinar p
STANDARD
4 × 5"
9 × 12 cm

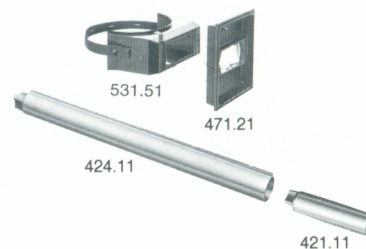


491.26

sinar p
STANDARD
5 × 7"
13 × 18 cm

+

Accessory items
independent
of the format



531.51

471.21

424.11

421.11

472.81

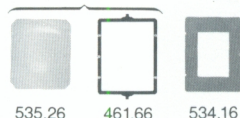
472.71

472.61

473.31

4 × 5"/9 × 12 cm

461.76



535.26

461.66

534.16

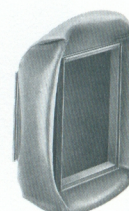


455.36



475.42

5 × 7"



455.27



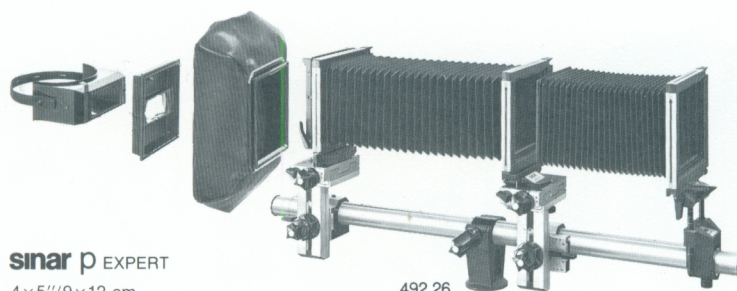
535.17

+

Format-specific
com-
ponents

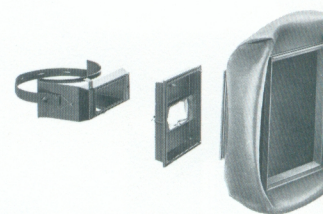
=

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



525.26



558.26

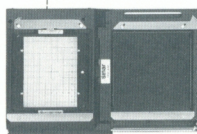


586.26



531.51

531.12



551.16



551.66



525.16



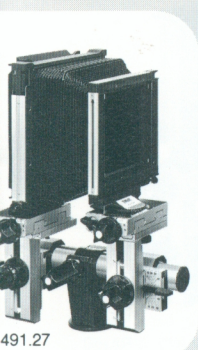
536.37



553.27

R system

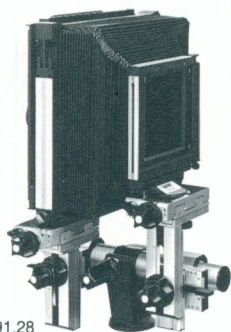
basic outfit



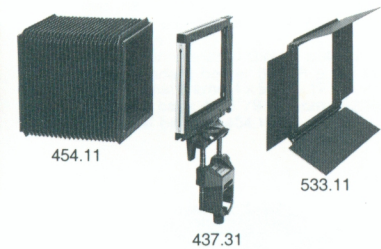
491.27

sinar p

STANDARD
8×10"
18×24 cm



491.28



454.11

533.11

437.31



519.11

519.21

13×18 cm



475.42

8×10"/18×24 cm



455.58 or 455.28*



535.58 or
535.18*



475.42



492.27



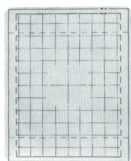
sinar p EXPERT

8×10"/18×24 cm

492.28



525.17



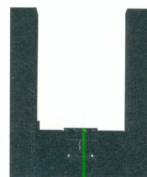
536.58 or 536.38*



553.58 or 553.28*



531.18*



525.18

*old model

+

+

=

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.

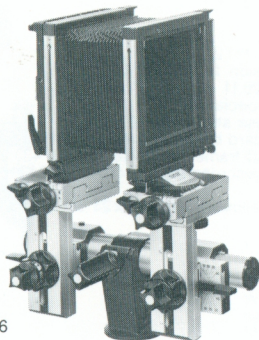
The illustrations are shown reduced at approximately 1:10 to 1:15.

Remarks

From 1985 all standards are delivered with black rails.

For detailed information on our new camera model SINAR p2 we refer to the enclosed Code SINAR p2.

The cameras



491.26

SINAR p STANDARD
4x5 1/2"/9x12 cm
5300 g

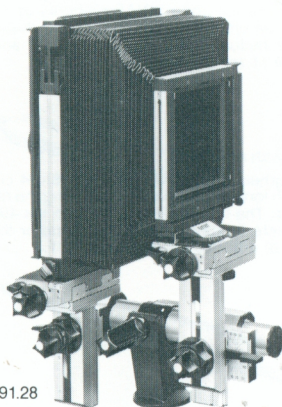
Comprises:
Rail clamp 411.21
Basic rail unit 12 1/2"/30 cm 422.11
2 rail caps 429.11
Front main standard SINAR p 431.21
Rear standard bearer SINAR p, c 433.21
Rear format frame 4x5 1/2"/9x12 cm 433.26
Metering back 4x5 1/2"/9x12 cm 462.16
Universal bellows 454.11



491.27

SINAR p STANDARD
5x7"/13x18 cm
6000 g

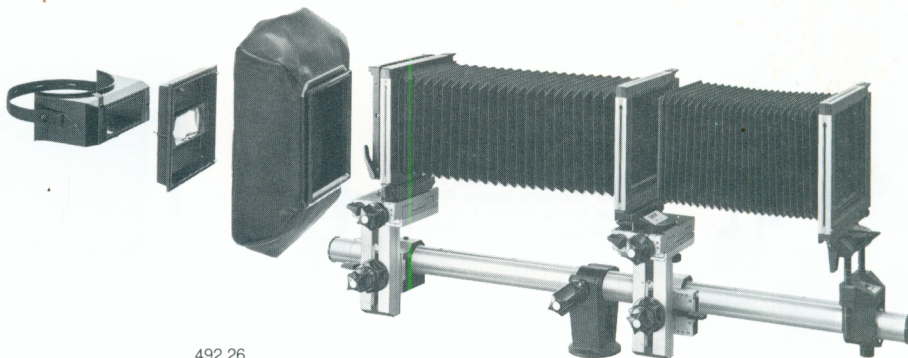
Comprises:
Rail clamp 411.21
Basic rail unit 12 1/2"/30 cm 422.11
2 rail caps 429.11
Front main standard SINAR p 431.21
Rear standard bearer SINAR p, c 433.21
Rear format frame 5x7"/13x18 cm 433.27
Metering back 5x7"/13x18 cm 462.17
Tapered bellows 5x7"/13x18 cm 452.17



491.28

SINAR p STANDARD
8x10"/18x24 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 8x10"/18x24 cm 433.58
Metering back 8x10"/18x24 cm 462.58
Tapered bellows 8x10"/18x24 cm 452.58



492.26

SINAR p EXPERT
4x5 1/2"/9x12 cm
14100 g

Comprises:
SINAR p STANDARD 4x5 1/2"/9x12 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 531.51
Bellows hood mask 533.11
Universal camera holder 519.11
Camera support SINAR p, c 519.21
Case 475.42



492.27

SINAR p EXPERT
5x7"/13x18 cm
14900 g

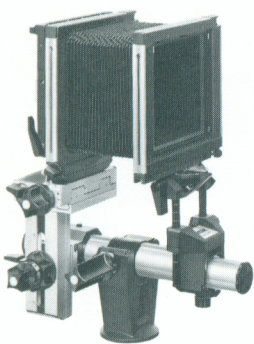
Comprises:
SINAR p STANDARD 5x7"/13x18 cm plus the following items:
Multipurpose standard I 437.31
Universal bellows 454.11
Wide-angle bellows 455.27
Rods 11, 16 and 25 cm for bellows hood and filter holder 472.61/71/81
2 bellows holders 473.31
Rail extension 18 1/2"/45 cm 424.11
Rail extension 6 1/2"/15 cm 421.11
Fresnel screen 5x7"/13x18 cm 535.17
Binocular magnifier 471.21
Binocular hood 531.51
Bellows hood mask 533.11
Universal camera holder 519.11
Camera support 519.21
Case 475.42



492.28

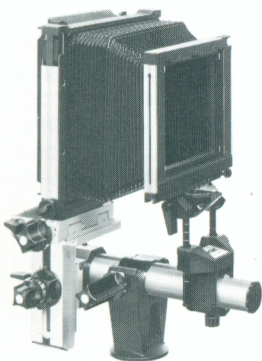
SINAR p EXPERT
8x10"/18x24 cm
20400 g

Comprises:
SINAR p STANDARD 8x10"/18x24 cm plus the following items:
Multipurpose standard I 437.31
Universal bellows 454.11
Wide-angle bellows 455.58
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 8x10"/18x24 cm 535.58
Binocular magnifier 471.21
Binocular hood 531.51
Bellows hood mask 533.11
Universal camera holder 519.11
Camera support 519.21
Case 475.42



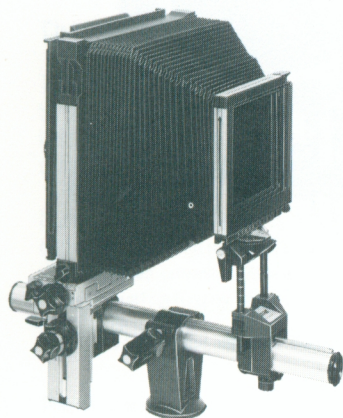
491.36

SINAR c
4×5 1/2" / 9×12 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" / 9×12 cm 433.26
Metering back 4×5 1/2" / 9×12 cm 461.28
Universal bellows 454.11



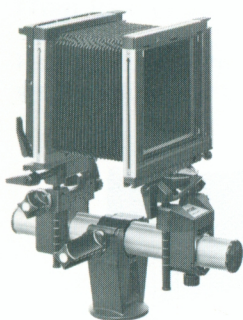
491.37

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
Metering back 5×7" / 13×18 cm 462.17
Tapered bellows 5×7" / 13×18 cm 452.17



491.38

SINAR c
8×10 1/2" / 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 1/2" / 18×24 cm 433.58
Metering back 8×10 1/2" / 18×24 cm 462.58
Tapered bellows 8×10 1/2" / 18×24 cm 452.58



491.46

SINAR f
4×5 1/2" / 9×12 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" / 9×12 cm 461.36
Multipurpose bellows 454.11



491.58

SINAR s1
8×10 1/2" / 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 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



491.68

SINAR s2
8×10 1/2" / 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 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



493.16

SINAR handy
1300 g
Comprises:
Rear format frame 4×5 1/2" / 9×12 cm 433.26
Film holder/screen back 4×5 1/2" / 9×12 cm 461.36
Handgrip 513.21
Coupling piece 513.61
Accessory shoe 531.61
Two-way spirit level 531.71
Vario finder 531.22
Shift lens board handy 441.31

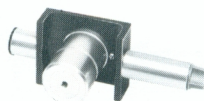
Camera supports



411.21

Rail clamp

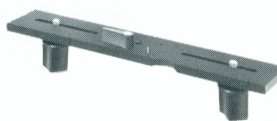
To mount the SINAR camera on the pan/tilt head 516.41 or directly on a tripod. Fitted with 3/8" tripod bush. Convertible to 1/4" bush with reducing bush 519.61. Can also be used for all smaller cameras via the universal camera holder 519.11.



411.91

MP-4 camera clamp

Coupling piece for using SINAR cameras up to 8×10 1/2" / 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 1/2" / 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



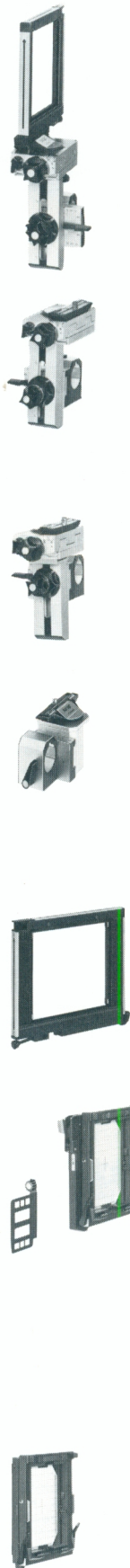
- 514.71
Camera holder
Part of clamping stand.
- 514.81
Clamp unit
Part of clamping stand.
- 514.91
Screw adapter
With 3/8" screw for directly mounting camera on clamp unit.
Mount cameras of different bush size with universal screw adapter set 515.11.
- 515.11
Universal screw adapter set
Cage with six different screw and bushes – 1/4", 3/8" and M6. A valuable aid for mounting any camera on camera stands with different screw fittings.
- 516.41
Pan/tilt head
With 1/4"/3/8" camera screw 519.71.
- 519.61
Reducing bush, Continental/English
Reduces a 3/8" bush to 1/4". For use with the pan/tilt head 516.41 and rail clamp 411.21.
- 519.71
Camera screw, Continental/English
3/8" and 1/4" screws for pan/tilt head 516.41 and universal camera holder 519.11.

The SINAR rail



- 421.11
Rail extension
6"/15 cm
Extends the SINAR rail by 6"/15 cm
- 422.11
Basic rail unit
12"/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"/30 cm
Extends the SINAR rail by 12"/30 cm
- 424.11
Rail extension
18"/45 cm
Extends the SINAR rail by 18"/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 8x10"/18x24 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 8x10"/18x24 cm format frame. Also recommended when using the 4x5"/9x12 cm rapid adapter. Can also be used on a 4x5"/9x12 cm and 5x7"/13x18 cm camera assembly.
- 433.48
Rear standard bearer
SINAR s
Lower section of the SINAR s 8x10"/18x24 cm rear standard, with fine focusing drive, depth of field indicator and tilt angle scale. Without tilt or parallel displacement mechanism.
To be used with film holder/screen back 8x10"/18x24 cm 461.28.
- 433.26
Rear format frame
4x5"/9x12 cm
Upper section of the 4x5"/9x12 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 4x5"/9x12 cm F/S back 461.36 is required.
- 462.16
Metering back
4x5"/9x12 cm
Takes film holder and ground glass screen on 4x5"/9x12 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 4x5"/9x12 cm film holder and meter probe carrier 462.96, 4x5"/9x12 cm screen carrier 461.56 and exposure meter holder on the film holder carrier. Including 4x5"/9x12 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
4x5"/9x12 cm
Takes film holder and ground glass screen on 4x5"/9x12 cm rear format frame or on all multipurpose standards.
Consists of 4x5"/9x12 cm film holder carrier 461.46 and 4x5"/9x12 cm screen carrier 461.56.
Includes 4x5"/9x12 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

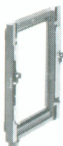
Required to convert F/S back 461.36 to the me-
tering back 462.16.



462.96.001

Lightmeter holder

Included in metering back 462.16, 462.17, 462.58
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

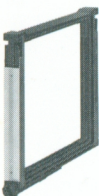
Fits screen carrier
4×5"/9×12 cm 461.56.



461.56

Screen carrier
4×5"/9×12 cm

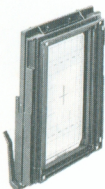
Including 4×5"/9×12 cm ground glass screen
536.66.
Fits film holder carrier 4×5"/9×12 cm
462.96 and 461.46.



433.27

Rear format frame
5×7"/13×18 cm

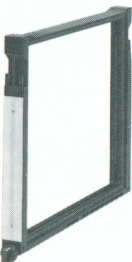
Upper section of 5×7"/13×18 cm SINAR p and
SINAR c rear standard.
Fits SINAR p rear standard bearer 433.21 or
SINAR p special rear bearer 433.22. To take film
holder and ground glass screen, 5×7"/13×18 cm
the metering back 462.17 is required.



462.17

Metering back
5×7"/13×18 cm

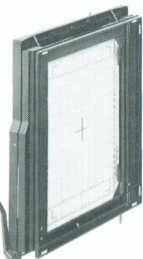
Takes film holder and ground glass screen on
5×7"/13×18 cm rear format frame 433.27.
The probe housing holds the metering probe of
the exposure meter (SINARSIX-digital, Profi-
select TTL). The probes are thus instantly ready to
operate without needing a lightmeter cassette.
Includes 5×7"/13×18 cm ground glass screen
536.37 and lightmeter holder 462.96.001.
Fresnel screen 535.17 is recommended.



433.58

Rear format frame
8×10"/18×24 cm

Upper section of 8×10"/18×24 cm SINAR p, c
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 the metering back 462.58 is re-
quired.



462.58

Metering back
8×10"/18×24 cm

Takes film holder and ground glass screen on
8×10"/18×24 cm rear format frame 433.58.
The probe housing holds the metering probe of
the exposure meter (SINARSIX-digital, Profi-
select TTL). The probes are thus instantly ready to
operate without needing a lightmeter cassette.
Includes ground glass screen 536.58 and light-
meter holder 462.96.001.
The Fresnel screen 535.58 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

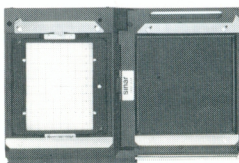
Multipurpose standard with swings, tilts and
parallel displacements, depth of field scale and
tilt indicator. Forms rear standard of SINAR f.
Also an ideal object stage for macrophotogra-
phy.



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.



551.16

Rapid adapter without
metering 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.

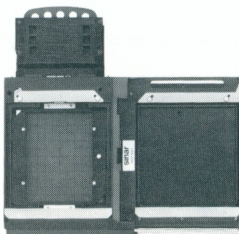
After focusing on the ground glass screen, the
sliding carriage of the rapid adapter is pushed to
the left to bring the film into position for the expo-
sure. Upright or horizontal shots are possible.

The adapter does not interfere with automatic
operation of the SINAR shutters.

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
metering 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 expo-
sure. Upright or horizontal shots are possible.

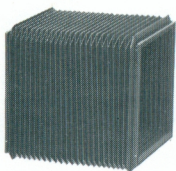
The adapter does not interfere with automatic
operation of the SINAR shutters.

With the metering attachment the lightmeter pro-
bes can be used on the ground glass screen sec-
tion 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"/9×12 cm

Standard bellows of 4×5"/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"/9×12 cm

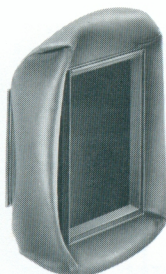
For very short extensions with 4×5"/9×12 cm format and focal lengths from 65 to 135 mm. Permits maximum camera movement range despite short extension. Also used as ground glass screen viewing hood, for instance with binocular magnifier 471.21 and hood 531.51.



452.17

Tapered bellows
5×7"/13×18 cm

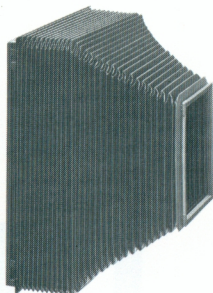
For extensions up to 50 cm (19½") with 5×7"/13×18 cm format. Longer extensions require a multipurpose standard and additional universal bellows.



455.27

Wide-angle bellows
5×7"/13×18 cm

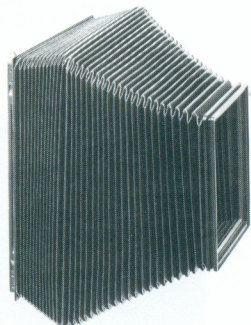
For very short extensions with 5×7"/13×18 cm format and focal lengths from 90 to 165 mm. Permits maximum camera movement range despite short extension. Also used as a ground glass screen viewing hood, for instance with binocular magnifier 471.21 and hood 531.51.



452.58 or 452.18*

Tapered bellows
8×10"/18×24 cm

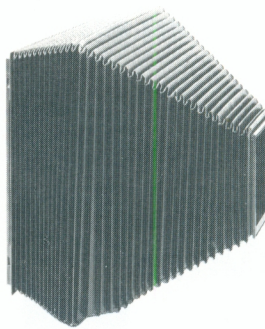
For extensions up to 65 cm (25") with 8×10"/18×24 cm format. Extensions from 65 to 90 cm require multipurpose standard and additional universal bellows 454.11.



453.58 or 453.18*

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

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



452.58.005

Special bellows
8×10"/18×24 cm to 4×5"/9×12 cm

To be used like special bellows 453.58 or 453.18*, connexion 8×10"/18×24 cm to 4×5"/9×12 cm.



455.58 or 455.28*

Wide-angle bellows
8×10"/18×24 cm

For very short extensions with 8×10"/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 531.51.



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 (4¼")
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 (6¼")
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.



472.51

Joint rod

Holds the universal bellows and the bellows hood mask.

It is also used to support a wide-angle or multipurpose bellows when those are employed as ground glass screen viewing hood. Adjustable by means of 2 ball joints, for extension up to approx. 12"/30 cm.

* old model

Viewing aids



536.66

Ground glass screen
4×5"/9×12 cm

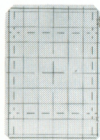
Fits 4×5"/9×12 cm metering back 462.16,
4×5"/9×12 cm F/S back 461.36 and all old
4×5"/9×12 cm SINAR F/S backs.



536.46

Ground glass screen
5×5"/12×12 cm

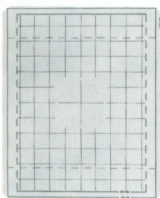
Fits rapid adapter 551.16 and 551.26.



536.37

Ground glass screen
5×7"/13×18 cm

Fits 5×7"/13×18 cm metering back 462.17 and all
old 5×7"/13×18 cm SINAR F/S backs.



536.58

Ground glass screen
8×10"/18×24 cm

Fits 8×10"/18×24 cm metering back 462.58.

or 536.38*

Ground glass screen
8×10"/18×24 cm

Fits 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.



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.



551.66

Mask and Fresnel holder,
empty

Fits rapid adapter 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.



534.16

Mask set

6×6, 6×7, 6×9, 9×12 and 8½×10½ cm

Transparent yellow masks to outline the negative
area on the ground glass screen when using roll-
film magazines.

Fit mask and Fresnel screen holders 461.66,
461.76, 551.66 and 551.76.



535.17

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

Fits 5×7"/13×18 cm metering back 462.17 and all
old 5×7"/13×18 cm SINAR F/S backs.



535.58

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

Fits 8×10"/18×24 cm metering back 462.58

or 535.18*

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

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



531.12

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

For viewing upright screen image either in natural
size or with 2× magnification.

Requires in addition the hood 531.51. A pair of
4.25 diopter magnifiers 531.12.001 is available
for longsighted users.



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. To be used with 8×10"/18×24 cm
F/S back 461.28.

Restricted usability also in normal camera set-
ups.

Includes hood 531.51.



471.21

Binocular magnifier

Fits every SINAR bellows for ground glass screen
viewing without stray light (except 453.18 and
453.58). With the magnifier swung in, the screen
image is magnified 2×. The hood 531.51 is
needed in addition.



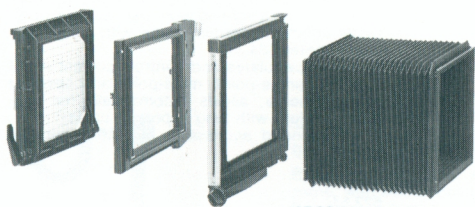
531.51

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.

* old model

Format changing



497.26

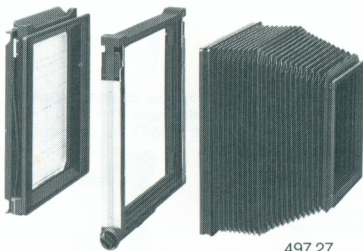
Format changing set
4×5"/9×12 cm

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

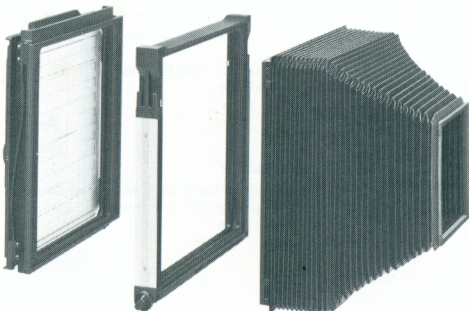
Converts 4×5"/9×12 cm or 8×10"/18×24 cm
SINAR p or c to 5×7"/13×18 cm.

Comprises:

Rear 5×7"/13×18 cm format frame 433.27.

5×7"/13×18 cm metering back 462.17

5×7"/13×18 cm tapering bellows 452.17.



497.58

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 433.58

8×10"/18×24 cm metering back 462.58

8×10"/18×24 cm tapered bellows 452.58.

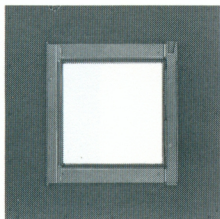


553.27

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.



553.58 or 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 performance 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 fitting of new lenses they should be fitted at the factory (marked by SINAR designation engraved on lens).

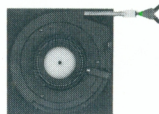


441.11

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.

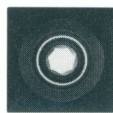
The lens listing on page 22 indicates which lenses may be fitted. The lens must be mounted by SINAR or authorised customer servicing stations. When ordering, **exact** indication is essential of type, focal length and mount of lens to be fitted.



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 instructions. When ordering, **exact** indication is essential 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 additional manual settings for apertures smaller than f/45, depending on lens type.

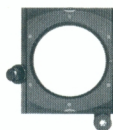


446.91

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

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

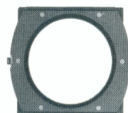
When ordering, **exact** indication is essential of type, focal length and mount of lens to be fitted.



441.31

Shift lens board handy

Component of the SINAR handy 493.16 with displacement parallel to the film plane. It fits to lenses in focusing mount 445.11 with focal length of 47 mm to 120 mm.



441.41

Lens board handy

To be used with the SINAR handy 493.16 like 441.31 but without parallel displacement.

* old model

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.



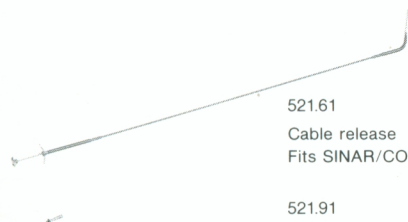
521.51

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: Shutter accumulator 523.91, battery charger 523.11.



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.



522.11.012

Release and automatic cable 1.20 m/0.30 m

For camera extensions up to 1.20 m, release cable 0.30 m long. With locking button for release knob.



522.11.005

Synchro lead adapter with standard plug, 30 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.

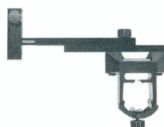


522.51

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.

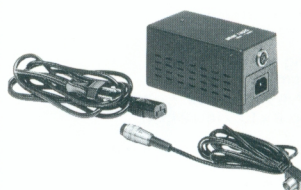
Module accumulator 522.91 may not be connected at same time.



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

SINAR rapid battery charger, 110–220 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.

Incl. charger cable 523.11.030 and power cable according to the standard of your country.



523.11.030

Charger cable

Charger cable, bipolar. Fits SINAR rapid battery charger 523.11.



523.11.011 – 523.11.019

Power cable

Power cable for SINAR rapid battery charger 523.11. Connexion standard: upon request.

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.

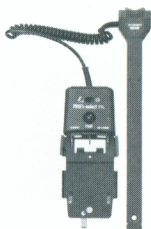
Can be used directly in the metering backs 462.16/17/58 or with lightmeter cassettes 525.16/17.

Including release cable 524.31.001.



524.31.001

Release cable with short connection to SINARSIX-digital.



524.41

PROFI-select TTL

Attachment for GROSSEN PROFISIX for exposure measurement of flash and continuous light in film plane, using a silicon cell. May be used directly in metering backs 462.16/17/58 or with the lightmeter cassettes 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 metering backs 462.16/17/58 or with the lightmeter cassettes 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)

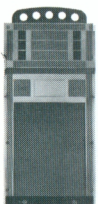
User may mark shutter speed scale for specific reciprocity failure correction.



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

Takes measuring probes of all probe exposure meters.

Usable in all view cameras with international 4x5''/9x12 cm back.



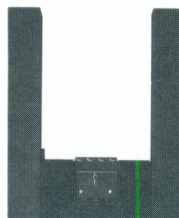
525.17

SINARSIX lightmeter cassette

5x7''/13x18 cm

Takes metering probes of all probe exposure meters.

Usable in all view cameras with international 5x7''/13x18 cm back.



525.18

SINARSIX adapter frame

8x10''/18x24 cm

Adapts 5x7''/13x18 cm SINARSIX lightmeter cassette to view cameras with international 8x10''/18x24 cm back.

Filters and filter holders



546.01-06
546.11-16
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

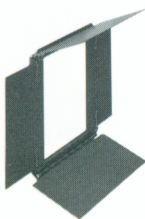
Available from various manufacturers. 10×10 cm filters fit gelatine filter holder 542.21 and any SINAR shutter.



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 1

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 standards and bellows holder 473.31.



533.21

Bellows hood mask 2

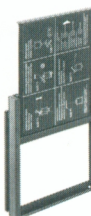
see encl. Code SINAR p2.

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 50/50% 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 50/50% 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.



531.22

Vario finder

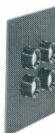
Vario finder for SINAR handy.



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 3¼×4¼'' 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

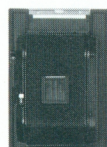
566.46
9×12 cm
Double sheet film holder.



566.56
4×5"
Double sheet film holder.



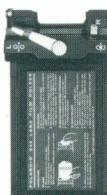
767.45
2 1/4 × 3 1/4" / 6 × 9 cm
Roll film holder. For No. 120 film, 8 exposures.



767.64
2 1/4 × 2 3/4" / 6 × 7 cm
Roll film holder. For No. 120 film, 10 exposures.



766.99 (P. 405)
3 1/4 × 4 1/4" / 8,5 × 10,5 cm
Polaroid filmpack holder, including mask 534.19.



765.96 (P. 545)
4×5"
Polaroid single sheet film holder.



766.96 (P. 550)
4×5"
Polaroid filmpack holder.

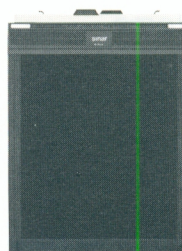


For cameras 5×7"/13×18 cm

566.47
13×18 cm
Double sheet film holder.

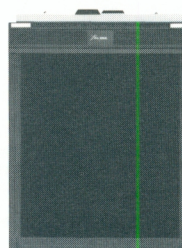


566.57
5×7"
Double sheet film holder.



For cameras 8×10"/18×24 cm

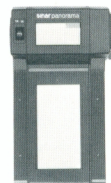
566.48
18×24 cm
Double sheet film holder.



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.
Incl. vario mask 534.12 and universal mask 534.22.



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.
Incl. universal mask 534.22.



567.45
SINAR 69
Format 6×9 cm
Roll film holder for n° 120 and 220 roll film, 8 or 16 exposures respectively.
Inserted like sheet film holder.
Incl. mask 534.25 for format 6×9 cm.



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.
Incl. mask 534.29 for format 6×7 cm.



567.92
Spool insert
For roll film holders. Separate spool for preloading. Allows a very fast exchange of the film.



534.12
Vario mask, 4,5×6 cm – 6×12 cm

534.22
Universal mask
Universal mask for format 4,5×6 cm – 6×12 cm.

534.25
Mask
Mask for format 6×9 cm.

534.29
Mask
Mask for format 6×7 cm.

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.



556.64

Adapter board
for Hasselblad cameras



556.93

Adapter board
for Nikon cameras

These adapter boards mount camera bodies in 4 x 5 1/2 x 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.



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 and dust covers



475.26

SINAR case

Holds SINAR p2 and SINAR p basic outfits 4×5"/9×12 cm or SINAR c 4×5"/9×12 cm or SINAR f as well as additional accessories such as lenses, SINAR format changing sets, lightmeters, etc.
Size: 525×455×305 mm
Weight empty: about 8000 g



475.42

SINAR EXPERT case

Holds SINAR p2 and SINAR p EXPERT outfits 4×5"/9×12 cm or 5×7"/13×18 cm or 8×10"/18×24 cm and additional accessories such as SINAR shutters, lightmeters, modules, etc.
Size: 600×470×375 mm
Weight empty: about 8000 g

571.42

Dust cover small

To protect the set-up camera in the studio or outside.

Recommended for covering the basic outfit.

571.52

Dust cover large

To be used like 571.42 but for covering the EXPERT outfit.

Numerical code

The camera outfits

491.26	SINAR p STANDARD 4x5"/9x12 cm	5300 g
491.27	SINAR p STANDARD 5x7"/13x18 cm	6000 g
491.28	SINAR p STANDARD 8x10"/18x24 cm	7100 g
491.36	SINAR c 4x5"/9x12 cm	4200 g
491.37	SINAR c 5x7"/13x18 cm	4900 g
491.38	SINAR c 8x10"/18x24 cm	5800 g
491.46	SINAR f 4x5"/9x12 cm	3200 g
491.58	SINAR s1 8x10"/18x24 cm	5000 g
491.68	SINAR s2 8x10"/18x24 cm	5300 g
492.26	SINAR p EXPERT 4x5"/9x12 cm	14100 g
492.27	SINAR p EXPERT 5x7"/13x18 cm	14900 g
492.28	SINAR p EXPERT 8x10"/18x24 cm	20400 g
493.16	SINAR handy 4x5"/9x12 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 4x5"/9x12 cm	420 g
433.27	Rear format frame 5x7"/13x18 cm	700 g
433.28	Rear format frame 8x10"/18x24 cm	1000 g
433.31	Multipurpose standard II with micrometer focusing	900 g
433.48	Rear standard bearer SINAR s	700 g
433.58	Rear format frame 8x10"/18x24 cm	1000 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
441.31	Shift lens board handy	455 g
441.41	Lens board handy	300 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 5x7"/13x18 cm	310 g
452.18*	Tapered bellows 8x10"/18x24 cm	630 g
452.58	Tapered bellows 8x10"/18x24 cm	600 g
452.58.005	Special bellows 8x10"/18x24 cm, 4x5"/9x12 cm	650 g
453.18*	Special bellows 8x10"/18x24 cm, 5x7"/13x18 cm	760 g
453.58	Special bellows 8x10"/18x24 cm, 5x7"/13x18 cm	740 g
454.11	Universal bellows 4x5"/9x12 cm	200 g
455.27	Wide-angle bellows 5x7"/13x18 cm	320 g
455.28*	Wide-angle bellows 8x10"/18x24 cm	600 g
455.36	Wide-angle bellows 4x5"/9x12 cm	270 g
455.58	Wide-angle bellows 8x10"/18x24 cm	680 g

461.36	Film holder/screen back (F/S) 4x5"/9x12 cm with ground glass	510 g
461.46	Film holder carrier (F) 4x5"/9x12 cm	210 g
461.56	Screen carrier (S) 4x5"/9x12 cm	300 g
461.66	Mask and Fresnel holder empty 4x5"/9x12 cm	10 g
461.76	Mask and Fresnel holder with Fresnel screen 4x5"/9x12 cm	25 g
462.16	Metering back 4x5"/9x12 cm	605 g
462.17	Metering back 5x7"/13x18 cm	990 g
462.58	Metering back 8x10"/18x24 cm	2800 g
462.96	Film holder and meter probe 4x5"/9x12 cm	265 g
462.96.001	Lightmeter holder	30 g

471.21	Binocular magnifier	120 g
472.51	Joint rod	130 g
472.61	Rod 11 cm/4 1/2"	
	for bellows hood and filter holder	15 g
472.71	Rod 16 cm/6 1/2"	
	for bellows hood and filter holder	20 g
472.81	Rod 25 cm/10"	
	for bellows hood and filter holder	30 g
473.31	Bellows holder	20 g

497.26	Format changing set 4x5"/9x12 cm	1200 g
497.27	Format changing set 5x7"/13x18 cm	2000 g
497.58	Format changing set 8x10"/18x24 cm	4400 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
522.11.012	Release and autom. cable 1.20 m/0.30 m (4 ft/1 ft)	82 g
522.41	Module 1	580 g
522.51	Module 2	580 g
522.91	Module accumulator	620 g
523.11	SINAR rapid battery charger 110-220 V~	350 g
523.11.011-		
523.11.019	Power cable	100 g
523.11.030	Charger cable	100 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 4x5"/9x12 cm	210 g
525.17	SINARSIX lightmeter cassette 5x7"/13x18 cm	300 g
525.18	SINARSIX adapter frame 8x10"/18x24 cm	380 g

531.12	Binocular reflex magnifier 4x5"/9x12 cm	450 g
531.12.001	4.25 diopter magnifier lenses	30 g
531.18*	Copying reflex viewer 8x10"/18x24 cm	900 g
531.22	Vario finder	365 g
531.51	Binocular hood	100 g
531.61	Accessory shoe	5 g
531.71	Two-way spirit level	10 g
533.11	Bellows hood mask 1	100 g
533.21	Bellows hood mask 2	330 g
534.12	Vario mask	50 g
534.16	Mask set for 6x6, 6x7, 6x9, 9x12, 8 1/2x10 1/2 cm	20 g
534.22	Universal mask for format 4.5x6-6x12 cm	4 g
534.25	Mask for format 6x9 cm	5 g
534.29	Mask for format 6x7 cm	3 g
535.17	Fresnel screen 5x7"/13x18 cm ready for fitting	45 g
535.18	Fresnel screen 8x10"/18x24 cm ready for fitting	120 g
535.26	Fresnel screen 4x5"/9x12 cm, unmounted	25 g
535.58	Fresnel screen 8x10"/18x24 cm ready for fitting	140 g
536.37	Ground glass screen 5x7"/13x18 cm	105 g
536.38*	Ground glass screen 8x10"/18x24 cm	370 g
536.46	Ground glass screen 5x5"/12x12 cm	70 g
536.58	Ground glass screen 8x10"/18x24 cm	270 g
536.66	Ground glass screen 4x5"/9x12 cm	60 g
538.11	Front-surfaced mirror in protective case	480 g
539.11	Semi-reflecting 50/50% mirror in case 5x5"/12x12 cm	400 g
539.91	Semi-reflecting 50/50% mirror 7x7"/18x18 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

* old model

Shading filters

Available in sets of 10 each, with instructions / filters mounted in frames; clear opening 113x118 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
542.91.001	10	Empty filter frame	Self-adhesive for mounting filters
542.91.105	10	Orange	
542.91.106	10	Primary red	
542.91.129	10	Diffusion screen (heavy frost)	Can be shaded with graphite
542.91.132	10	Medium blue	
542.91.139	10	Primary green	
542.91.210	10	Neutral density 0.6	Exposure factor 4× (= 2 lens stops)
542.91.211	10	Neutral density 0.9	Exposure factor 8× (= 3 lens stops)

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 30000 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				Moderate soft focus effects
546.21	Polarising filter, mounted	3	3	3	Increases contrast, eliminates reflections

551.16	Rapid adapter with 551.66	1040 g
551.26	Rapid adapter with 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
553.58	Format reducing adapter 8×10"/18×24 cm	
	to 4×5"/9×12 cm	830 g
556.64	Adapter board to take Hasselblad cameras	180 g
556.93	Adapter board to take Nikon cameras	160 g
558.26	Format-divider (adapts to P.405)	100 g

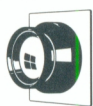



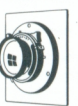
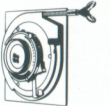
Cases and dust covers

475.26	SINAR case	8000 g
475.42	SINAR EXPERT case	8000 g
571.42	Dust cover small	250 g
571.52	Dust cover large	400 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
567.45	SINAR 69 roll film holder 6×9 cm	790 g
567.54	SINAR 67 roll film holder 6×7 cm	750 g
567.92	Spool insert	70 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
766.99	(P.405) Polaroid filmpack holder	
	8 1/2×10 1/2 cm/3 1/4×4 1/4"	300 g
765.96	(P.545) Polaroid single sheet film holder 4×5"	800 g
766.96	(P.550) Polaroid film pack holder 4×5"	660 g

Lenses

Lenses type		focal length in mm	shutter size 2)	With auto-aperture control DB DB M 	with between lens shutter				Prontor-Press for SINAR handy Focusing mount 	
					Compur mechanical		Copal mechanical			
					plain board 	aperture control B 	plain board 	aperture control B 		
NIKON	Nikkor-SW 105° 1:4,5	75	0	■ 4)			DB 4)	DB 4)		
	1:8	90	0	■ 4)			DB 4)	DB 4)		
		90	0	■			DB	DB		
		Nikkor-W 70–73° 1:5,6	135	0	■			DB	DB	
	1:6,3	150	0	■			DB	DB		
		180	1	■			DB	DB		
		210	1	■			DB	DB		
		240	3	■			DB	DB		
		300	3	■ M)			DB M)	DB M)		
Nikkor-M 1:9 ~ 55° 1:10	300	1	■ M)			DB M)	DB M)			
	450	3	■ M)			DB M)	DB M)			
RODENSTOCK	Grandagon MC 105° 1:4,5	65	0		Δ	Δ	Δ	Δ		
		75	0	■ 4)	● DB 4) 8)	● DB 4) 8)	● DB 4) 8)	● DB 4) 8)		
		90	1	■ 4)	● DB 4) 8)	● DB 4) 8)	● DB 4) 8)	● DB 4) 8)		
		Grandagon MC 102–104° 1:6,8	75	0	■	● DB 8)	● DB 8)	● DB 8)	● DB 8)	
		90	0	■	● DB 8)	● DB 8)	● DB 8)	● DB 8)		
		115	1	■	● DB 8)	● DB 8)	● DB 8)	● DB 8)		
		155	1		Δ	Δ	Δ	Δ		
		Sironar-N MC 64–72° 1:5,6	100	0	■	● DB	● DB	● DB	● DB	
		135	0	■	● DB	● DB	● DB	● DB		
		150	0	■	● DB	● DB	● DB	● DB		
		180	1	■	● DB	● DB	● DB	● DB		
		210	1	■	● DB	● DB	● DB	● DB		
	1:6,8	240	3	■	● DB	● DB	● DB	● DB		
		300	3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)		
		360	3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)		
		Apo Ronar 9) 40–48° 1:9	150	0	■	● DB	● DB	● DB	● DB	
		1:11	240	1	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	
			300	1	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	
			360	3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	
	420		3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)		
	480		3	■ M) 3)			● DB M) 3)	● DB M) 3)		
	600			▲ NF						
	800			▲ NF						
	CL 1:14	1000		▲ NF						
	CL 1:14	1200		▲ NF						
	Imagon ~ 40° H 5,8	200	3	● NF	●		●			
		250	3	● NF	●		●			
		H 6,8	300	3	● NF			●		
	SCHNEIDER	Super Angulon MC 105° 1:5,6	47	0		Δ				Δ
1)		65	0		Δ	Δ	Δ	Δ	Δ	
		75	0	■	● DB	● DB	● DB	● DB	Δ	
		90	0	■	● DB	● DB	● DB	● DB		
		Super Angulon 100° 1:8	65	0	■	DB 8)	DB 8)	DB 8)	DB 8)	
1)		90	0	■	● DB	● DB	● DB	● DB	Δ	
		120	0	■ M)	● DB M)	● DB M)	● DB M)	● DB M)		
		165	3	■ M)	Δ DB M) 8)	Δ DB M) 8)	Δ DB M) 8)	Δ DB M) 8)		
		210	3	■ M)	Δ DB M) 8)	Δ DB M) 8)	Δ DB M) 8)	Δ DB M) 8)		
		Symmar-S MC 56–70° 1:5,6	100	0	■	● DB	● DB	● DB	● DB	Δ
1:6,8		120	0	■	● DB	● DB	● DB	● DB	Δ	
		135	0	■	● DB	● DB	● DB	● DB		
		150	0	■	● DB	● DB	● DB	● DB		
		180	1	■	● DB	● DB	● DB	● DB		
		210	1	■	● DB	● DB	● DB	● DB		
		240	3	■	● DB	● DB	● DB	● DB		
		300	3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)		
		360	3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)		
		1:9,4	480	3	■ M)	● DB M)	● DB M)	● DB M)	● DB M)	

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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