



# The Professional Photo SourceBook

## Section 3b

### LargeFormat – View

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# ARCA SWISS

## DISCOVERY 4x5 SYSTEM

Arca Swiss cameras are more than the sum of their parts. Each and every model gives you an entry into the Arca system, allowing you access to the most complete line of professional accessories available. Designed by working photographers, this modular system allows you to add components as needed, giving you the freedom to purchase what you need when you need it. In addition, Arca Swiss cameras are ergonomically designed, allowing the photographer to control perspective and depth-of-field accurately. And Arca has devised a fail-safe (and foolproof) system for attaching the lensboard bellows and camera back.



Arca Swiss  
Discovery

The affordable Arca Discovery is an economical introduction to the Arca Swiss system. In spite of its low cost, the light-weight Discovery shares many of the unique features that Arca cameras are renowned for (plus a few of its own). The Discovery is also compatible with most Arca system accessories, such as rails, viewers, hoods, masks, rollfilm holders and more.

### FEATURES

- Precision micro gear focusing
- Superfluous refocusing after parallel displacements
- Yaw-free movements
- Arca system compatibility
- Made of lightweight metal alloys
- Precision Swiss construction
- Includes Rucksack case
- Built-in  $\frac{1}{4}$  and  $\frac{3}{8}$  tripod sockets

Arca Swiss 4x5 Discovery Camera (0210445)  
Consists of: 30cm monorail (041130), monorail attachment piece  $\frac{3}{8}$ ", Function Carrier Front (Discovery), Function Carrier Back (Discovery), Format Frame Front (Discovery), Format Frame Back (Discovery), standard 38cm bellows (72040), film and groundglass holder 4x5, fresnel lens and Arca Swiss nylon backpack.  
Item # ARD45K.....1,344.95

### DISCOVERY SPECIFICATIONS

TYPE:  
Front: 70°; Rear: 70°

SWINGS:  
Front: 90°; Rear: 90°

RISE AND FALL  
(COMBINED):  
Front: 3.9" (100mm)  
Rear: 3.9" (100mm)

LATERAL SHIFT:  
Front: 3.9" (100mm)  
Rear: 3.9" (100mm)

CAMERA BACK:  
International Standard  
4x5"

FOCUSING SCREEN:  
4x5 Fresnel

INTERCHANGEABLE  
BELLOWS:  
Yes

MINIMUM BELLOWS  
DRAW:  
2.95" (75mm)

MAXIMUM EXTENSION:  
15" (30cm)

MONORAIL LENGTH:  
11.8" (30cm)

YAW FREE BASE TILT:  
Yes

LENSBOARD:  
171mm x 171mm  
recessed

DIMENSIONS:  
11.8 x 8.7 x 13"  
(30 x 22 x 33cm) L.W.H.

WEIGHT:  
5 lbs. (2.3kg)

Subject to change without notice

# ARCA SWISS

## F - LINE 6 x 9 c m S Y S T E M

*The Arca Swiss 6x9 is a high quality, easily transportable full featured monorail camera. The camera is externally compact and the C model designates a monorail that folds in half for easy storage. Ergonomically designed, it features full movements. All movements can be effortlessly locked with easy-to-use round knobs that never stick. Standard rails are 11.8" (30cm) long and expandable. Cameras can be assembled quickly and easily. The front and rear standards rise on geared blocks on the monorail (which mounts on any tripod. The entire viewing system has been designed for maximum control. It is also compatible with most Arca system accessories such as rails, viewers, hoods, masks, rollfilm holders and more.*



*F-Line camera shown with optional lens and lensboard*

VIEW CAMERAS

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### FEATURES

- Medium format camera with view camera movements
- Ultra compact design
- Assembles as easily as a field camera
- Folds smaller than some medium format cameras
- Full modular system
- Flexible soft pleated leather bellows
- Micro focusing track
- Upgradeable to 4x5, 5x7 or 8x10
- Adaptable to accept rollfilm holders
- Yaw-free movement
- Adaptable to electronic imaging

#### F-Line Camera (011000)

Consists of #043130 Optical Bench Telescopic 30cm, #052000 Function Camera F-Line front, #052001 Function Camera F-Line rear, #061000 Format Frame 6x9 F-Line front, #061001 Format Frame 6x9 F-Line, #080003 Groundglass Holder 6x9 F-Line with Fresnel (direct connection) and #071000 Universal Bellows 6x9 20cm leather.

Item # AR69F .....2,928.95

#### F-Line C

##### Compact Camera (011001)

Consists of #044130 Monorail 30cm collapsible (including extension bracket 8.5cm), #052000 Function Camera F-Line front, #052001 Function Camera F-Line rear, #061000 Format Frame 6x9 F-Line rear, #080003 Groundglass Holder 6x9 F-Line with Fresnel (direct connection) and #071000 Universal Bellows 6x9 20cm leather.

Item # AR69FC .....3,079.95

### F-LINE AND F-LINE COMPACT SPECIFICATIONS

#### TILTS:

Front: 60°; Rear 60°

#### SWINGS:

Front: 90°; Rear 90°

#### RISE AND FALL (COMBINED):

Front: 2.8" (70mm)  
Rear: 2.8" (70mm)

#### LATERAL SHIFT:

Front: 3.9" (70mm)  
Rear: 3.9" (70mm)

#### CAMERA BACK:

Optional #080001 International Back 6x9 for sheet film, or optional #08002 Adapter to attach roll film graflock type holders

#### INTERCHANGEABLE BELLWS:

Yes

#### MINIMUM BELLWS DRAW:

1.7" (43mm)

#### MAXIMUM BELLWS

##### EXTENSION:

7.9" (20cm)

#### MONORAIL LENGTH:

17.7" (45cm) F-Line 6x9  
14" (38.5cm) F-Line 6x9 C Biaxial

#### YAW FREE BASE TILT:

Yes

#### LENSBOARD:

Arca 110x110mm Flat or Recessed

#### DIMENSIONS:

F-Line (011000):  
11.8 x 6.3 x 10"  
(30 x 16 x 25cm)

F-Line Compact (011001)  
6.5 x 6.3 x 10"  
(16.5 x 16 x 25cm)  
L.W.H.

#### WEIGHT:

5 lbs. (2.3kg)

*Subject to change without notice*



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# ARCA SWISS

## F-LINE 4x5, 5x7, 8x10 SYSTEM

F-Line  
8x10 shown at  
minimum focusing  
with optional  
lensboard  
and lens



*The Arca Swiss F-Line cameras are made for dynamic shooting and give you true large-format capacity. The front standard is very large, accepting an oversized lensboard, allowing for maximum lensboard adaptations. The fine calibrated control blocks are easily accessible, offering focusing on your right and camera movements on your left. The basic split-rail feature offers a built-in extension up to 460mm and easy camera displacement without moving the tripod. The unlimited vertical swing movement allows the camera to be packed flat, making it a truly compact piece of equipment. With the C Model cameras, storage is made even easier due to the monorail that folds in half. The monorail itself slides into a dovetailed rail clamp that screws to the tripod or can be mounted to an optional Arca style ball head.*

### FEATURES

- **Lightweight and easy to handle camera systems**
- **Separate knobs for all controls**
- **Same function carrier for 6x9 up to 8x10**
- **Vertical axis swings for yaw-free Full modular system**
- **Assembles as easily as a field camera**
- **Convertible to 6x9, 4x5, 5x7 and 8x10**
- **Large rubberized control knobs**
- **Full Modular System**

#### 5x7 Cameras

**F-Line 5x7 Camera (013000)**  
Consists of #043140 Optical Bench Telescopic 40cm, #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062021 Format Frame F-Line 5x7 rear, #088012 Film and Groundglass Holder 5x7 F/M Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.  
**Item # AR57F.....3,856.95**

**F-Line C 5x7 Compact Camera (013001)**  
Consists of #044140 Monorail, 40cm collapsible (including extension bracket), #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062021 Format Frame F-Line 5x7 rear, #088012 Film and Groundglass Holder 5x7 F/M Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.  
**Item # AR57FC.....4,019.95**

#### 4x5 Cameras

**F-Line B 4x5 Basic Camera (010001)**  
Consists of Extension Bracket 8.5cm (042108), Monorail unit 0-40cm (041140), Function Carrier F-Line B front (051000), Function Carrier F-Line B rear (051001), Format Frame F-Line 4x5 front (062000), Format Frame F-Line 4x5 rear (062001), Film and Groundglass Holder 4x5 with Fresnel (080010) and Bellows 4x5 F/M Standard 38cm synthetic (072040).  
**Item # AR45BF.....1,889.95**

**F-Line 4x5 Camera (012000)**  
Consists of Optical Bench Telescope 30cm (043130), Function Carrier F-Line front (052000), Function Carrier F-Line rear (052001), Format Frame F-Line 4x5 front (062000), Format Frame F-Line 4x5 rear (062001), Film and Groundglass Holder 4x5 F/M-Line (080007) with Fresnel and Bellows 4x5 F/M Standard 38cm synthetic (072040).  
**Item # AR45F.....2,499.95**

**F-Line C 4x5 Compact Camera (012001)**  
Consists of Monorail 40cm collapsible (044140) (including extension bracket), Function Carrier F-Line front (052000), Function Carrier F-Line rear (052001), Format Frame F-Line 4x5 front (062000), Format Frame F-Line 4x5 rear (062001), Film and Groundglass Holder 4x5 F/M-Line (080007) with Fresnel and Bellows 4x5 F/M Standard 38cm synthetic (072040).  
**Item # AR45FC.....2,654.95**

#### 8x10 Cameras

**F-Line 8x10 Camera (014000)**  
Consists of #043150 Optical Bench Telescopic 50cm, #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062031 Format Frame F-Line 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M Line with Fresnel, #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.  
**Item # AR810F.....4,169.95**

**F-Line C 8x10 Compact (014001)**  
Consists of #044150 Monorail 50cm collapsible (including extension bracket), #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062031 Format Frame F-Line 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M Line with Fresnel, #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.  
**Item # AR810FC.....4,302.50**

**New!**

**Metric  
Cameras  
available**

*Please inquire*



# ARCA SWISS

## F - LINE SYSTEM

VIEW CAMERAS

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### F-LINE (4x5, 5x7, 8x10) CAMERA SPECIFICATIONS

F-LINE CAMERA		4x5	5x7	8x10
Tilts:		Front: 70°; Rear: 70°	Front: 70°; Rear: 70°	Front: 70°; Rear: 70°
Rise and Fall (Combined)		Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm)
Lateral Shift		Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm); Rear: 3.9" (100mm)
Camera Back		Int'l Std 4x5"	Int'l Std 5x7"	Int'l Std 8x10"
Focusing Screen		Fresnel 4x5	Fresnel 4x5	Fresnel 8x10
Interchangeable Bellows		Yes	Yes	Yes
Minimum Bellow Draw Std		3" (75mm)	2.6" (65mm)	2.6" (65mm)
Maximum Extension		15" (38cm)	19.7" (50cm)	25.6" (65cm)
Monorail Length	Basic:	15.7" (40cm)	-	-
	Regular:	11.8-17.7" (30-45cm)	15.7-23.6" (40-60cm)	19.7-29.5" (50-75cm)
	Collapsible:	15.7" (40cm)	19.7" (50cm)	19.7" (50cm)
Yaw Free Base Tilt		Bi-Axial	Bi-Axial	Bi-Axial
Lensboard		171x171mm; (110x110 on 4x5 Field Camera)	171x171mm	171x171mm
Dimensions L.W.H.		(010001): 16x8.7x13" (41x22x33cm)	(013000): 16x9.8x14.3" (41x25x36.3cm)	(014000): 20x12.5x17.3" (50x32x44cm)
		(012000): 11.8x8.7x12.5" (30x22x32cm)	(013001): 8.5x25x36.3" (21.6x65x36.3cm)	(0114001): 10.5x12.5x17.3" (27x32x44cm)
		(012001): 8.5x8.7x12.5" (21x22x32cm)		
Weight	Basic:	7.5lbs. (3.4kg)	-	-
	Regular:	7.3lbs. (3.3kg)	8.8lbs (4kg)	10.1lbs. (4.6kg)
	Compact	7lbs. (3.2kg)	8.2lbs. (3.7kg)	9.9lbs. (4.5kg)

Subject to change without notice

### Electronic Cameras

Com-Cameras have electronic sensors in the function carrier which calculate tilt and swing angles as well as depth-of-field with an optional camera computer eidos. The microlink digital shutter and the screen integrated metering groundglass can be connected to the camera computer. Com cameras are similar to the regular models, but have a jack which can be connected to the camera computer.

#### F-Line Com 6x9 Camera (011000C)

Consists of the same as F-line 6x9 camera #011000, but with #052001C Function Carrier F-Line Com rear.

**Item # AR69FCQ.....3,593.95**

#### F-Line C Com 6x9 Camera (011001C)

Consists of the same as F-Line 6x9 camera #011001, but with #052001C Function Carrier F-Line Com rear.

**Item # AR69FCC.....3,744.95**

#### F-Line B Com 4x5 Camera (010001C)

Consists of the same as F-Line 4x5 basic camera #010001, but with #051001C Function Carrier F-Line B Com rear.

**Item # AR45BRFC.....2,554.95**

#### F-Line Com 4x5 Camera (012000C)

Consists of the same as F-Line 4x5 camera #012000, but with #052001C Function Carrier F-Line Com rear.

**Item # AR45FCQ.....3,116.50**

#### F-Line C Com 4x5 Camera (012001C)

Consists of the same as F-Line 4x5 C camera #012001, but with #052001C Function Carrier F-line Com rear.

**Item # AR45FCC.....3,285.95**

#### F-Line Com 5x7 Camera (013000C)

Consists of the same as F-Line 5x7 camera #013000, but with #052001C Function Carrier F-Line com rear.

**Item # AR57FCQ.....4,521.95**

#### F-Line C Com 5x7 Camera (013001C)

Consists of the same as F-Line 5x7 C camera #013001, but with #052001C Function Carrier F-Line Com rear.

**Item # AR57FCC.....4,684.95**

#### F-Line Com 8x10 Camera (014000C)

Consists of the same as F-Line 8x10 camera #014000, but with #052001C Function Carrier F-Line Com rear.

**Item # AR81FCQ.....4,834.95**

#### F-Line C Com 8x10 Camera (014001C)

Consists of the same as F-Line 8x10 C camera #014001, but with #052001C Function Carrier F-Line Com rear.

**Item # AR81FCC.....4,967.50**



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# ARCA SWISS

## M-LINE MONOLITH 6x9, 4x5, 5x7, 8x10 SYSTEM

M-Line  
Monolith 4x5  
shown with  
optional electronic  
modules and  
monorail



*The M-Line is the incorporation of a single rise/fall adjustment located on the main carrier, rather than dual controls on the standard bearers.*

*All the M-Line's functions are concentrated on each standard's carrier or runner which not only clusters the controls together for convenience, but positions most of the camera's weight closer to the monorail and away from the standards.*

*The carriers are block-like in appearance, each drive mechanism being encased in its own housing so that when everything is zeroed you are virtually looking at what seems to be a one-piece module, although it incorporates five movements. The smooth matte black finish and laser engraved markings merely heighten the impression of exceptional precision and refinement to the extent the carriers are works of engineering art all by themselves.*

*The real beauty of the Arca carriers is the velvety smoothness of each movement. The micrometer drives simply glide along their cogged rails with the adjustment knobs providing just the right amount of feel to ensure precise setting. Even the tilt adjuster perched on the lens standard's bearer is gear driven and all but the fine focus control are friction locked, eliminating the need for a separate knob to perform this duty.*

*With the Arca M you simply dial in the desired setting and that is all there is to it. Any further minor adjustments are performed by simply twiddling the appropriate control.*

*The controls themselves all have ribbed rubberized circumferences which afford a secure grip. Positive click-stops mark the zero or central position of each displacement while both the base tilt and swing movements have additional click-stops as you progress through defined angles.*

*The M-Line Monolith is extremely well thought out. For starters, each knob has one explicit function so there is neither room for confusion nor fumbling. They are logically arranged with the tilt and swing knobs on the left, while those for displacement (lateral shift and rise/fall) are located on the right. With the reflex viewing hood attached to the rear standard, this view camera is almost as quick and easy to set up as any medium format SLR.*

*Its triaxially yaw free movements allow precise focusing compensation on planes askew to the rail unit. There is no yaw even when an indirect parallel displacement is applied to the standards along with a change in depth-of-field about the horizontal tilt axis.*

*Arca's M-Line yaw free arrangement is derived from having the vertical swing axis located between two horizontal tilt axes, which gives rise to an operational sequence of vertical swing followed by horizontal tilt, thereby eliminating yawing of the format frame.*

# A R C A S W I S S

## M - L I N E S Y S T E M

### M-Line Monolith 6x9 Camera (018100)

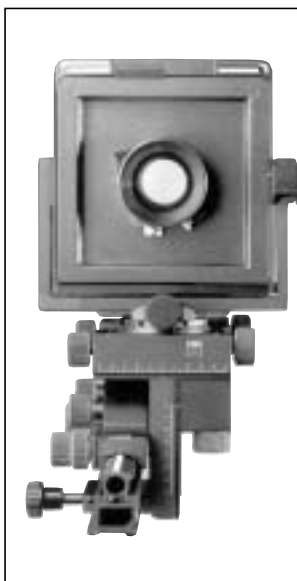
Consists of #043140 Optical Bench Telescopic 40cm, #055000 Function Carrier M-Line Monolith front, #055001 Function carrier M-Line Monolith rear, #063001 Format Frame M-Line Monolith 6x9 front, #063002 Format Frame M-Line Monolith 6x9 rear, #080003 Groundglass Holder 6x9 F-Line with Fresnel (direct connection), #071001 Bellows 6x9 Standard 24cm synthetic and #080002 Roll film Holder adapter.

**Item # AR69M.....4,264.95**

### M-Line Monolith 4x5 Camera (018200)

Consists of #043140 Optical Bench Telescopic 40cm, #055000 Function Carrier M-Line Monolith front, #055001 Function Carrier M-Line Monolith rear, #063022 Format Frame M-Line Monolith 4x5 triaxial front, #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M Line with Fresnel and #072040 Bellows 4x5 F/M Standard 38cm synthetic.

**Item # AR45M.....4,739.95**



### M-Line Monolith 5x7 Camera (018300)

Consists of #043150 Optical Bench Telescopic 50cm, #055000 Function Carrier M-Line Monolith front, #055001 Function Carrier M-Line Monolith rear, #063022 Format Frame M-Line Monolith 4x5 triaxial front, #063030 Format Frame M-Line Monolith 5x7 rear, #088012 Film and Groundglass Holder 5x7 F/M Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.

**Item # AR57M.....6,354.95**

### M-Line Monolith 8x10 Camera (018400)

Consists of #043150 Optical Bench Telescopic 50cm, #055000 Function Carrier M-Line Monolith front, #055001 Function Carrier M-Line Monolith rear, #063022 Format Frame M-Line Monolith 4x5 triaxial front, #063040 Format Frame M-Line Monolith 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M Line with Fresnel and #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.

**Item # AR810M.....6,769.95**

VIEW CAMERAS

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### FEATURES

- **Two-part monorail designed to allow extremely rapid coarse focus- ing adjustments**
- **Friction lock micrometer drives**
- **Oversized standards**
- **Modular system**
- **Convertible to 6x9, 4x5, 5x7 or 8x10**
- **Triaxial yaw free movements**
- **Same function carrier for 6x9 to 8x10**

### M-LINE CAMERA SPECIFICATIONS

F-LINE CAMERA		6x9	4x5	5x7	8x10
Tilts	Front :	90°	90° + 60° Axis	90° + 60° Axis	90° + 60° Axis
	Rear:	90°	90°	90°	90°
Rise and Fall (Combined)	Front:	3.54" (90mm)	3.54" (90mm)	3.54" (90mm)	2.75" (70mm)
	Rear:	2.75" (70mm)	2.75" (70mm)	2.75" (70mm)	2.75" (70mm)
Lateral Shift	Front:	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)
	Rear:	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)
Camera Back		International Standard 6x9"	International Standard 4x5"	International Standard 5x7"	International Standard 8x10"
Focusing Screen		6x9 Fresnel	4x5 Fresnel	5x7 Fresnel	8x10 Fresnel
Interchangeable Bellows		Yes	Yes	Yes	Yes
Minimum Bellow Draw		2.6" (65mm)	3" (75mm)	2.6" (65mm)	2.6" (65mm)
Maximum Extension		9.4" (24cm)	15" (38cm)	19.7" (50cm)	19.7" (50cm)
Monorail Length		15.7-25.6" (40-65cm)	15.7-25.6" (40-65cm)	19.7-29.5" (50-75cm)	19.7-29.5" (50-75cm)
Yaw Free Base Tilt		Bi-Axial	Tri-Axial	Tri-Axial	Tri-Axial
Lensboard		110x110mm	171x171mm	171x171mm	171x171mm
Dimensions L.W.H.		16x6.5x12.5" (41x16.5x33cm)	16x9.8x14.5" (41x25x37cm)	20x9.8x16.2" (50x25x41cm)	20x12.5x19.5" (50x32x49.5cm)
Weight		9.9lbs. (4.5kg)	12.3lbs. (5.6kg)	14.1lbs. (6.4kg)	15.7lbs. (7.1kg)

*Subject to change without notice*



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## ELECTRONIC IMAGING

## Electronic Cameras

Com-Cameras have electronic sensors in the function carrier (F-Line or M-Line) which can calculate tilt and swing angles as well as depth-of-field with an optional camera computer eidos. Furthermore, the microlink digital shutter and the screen integrated metering (SIM) groundglass can be connected to the camera computer. Com cameras are similar to the regular models, but have a jack which can be connected to the camera computer.

**M-Line Monolith Com 6x9 Camera** (018100C)

Consists of the same as M-Line 6x9 camera #018100, but with #055001C Function Carrier M-Line Monolith Com rear.

**Item # AR69MC.....4,929.95**

**M-Line Monolith Com 4x5 Camera** (018200C)

Consists of the same as M-Line 4x5 camera #018200, but with #055001C Function Carrier M-Line Monolith Com rear.

**Item # AR45MC.....5,404.95**

**M-Line Monolith Com 5x7 Camera** (018300C)

Consists of the same as M-Line 5x7 camera #018300, but with #055001C Function Carrier M-Line Monolith Com rear.

**Item # AR57MC.....7,019.95**

**M-Line Monolith Com 8x10 Camera** (018400C)

Consists of the same as M-Line 8x10 camera #018400, but with #055001C. Function Carrier M-Line Monolith Com rear.

**Item # AR810MC.....7,434.95**

## Electronic Modules

**Edios with Software Shutter Control and Lightmetering Control** (90101)

**Item # ARE.....2,149.95**

**Module Holder Edios** (90241)

**Item # ARMHE.....349.50**

**Sim 6x9**
**Groundglass Holder** (90400)

**Item # ARSGGH69.....862.50**

**Sim 4x5 Groundglass Holder** (90420)

**Item # ARSGGH45.....862.50**

*M-Line Monolith 4x5" shown with  
SIM (screen integrated metering)  
Microlink (digital shutter)  
Eidos (camera computer)  
COM (function carrier with sensor)  
on an Arca Ball Head*

**Microlink 0 Shutter** (90600)

**Item # ARSML0.....1,134.50**

**Microlink 1 Shutter** (90620)

**Item # ARSML1.....1,134.50**



## BODY ACCESSORIES

## Function Carriers

**Function Carrier**
**F-Line B Front** (051000)

**Item # ARFCFFB.....599.50**

**Function Carrier**
**F-Line B Rear** (051001)

**Item # ARFCRFB.....599.50**

**Function Carrier**
**F-Line B Com Rear** (051001C)

**Item # ARFCRFB.....1,264.50**

**Function Carrier**
**F-Line Front** (052000)

**Item # ARFCFF.....659.95**

**Function Carrier F-Line Rear**

(052001)

**Item # ARFCRF.....659.95**

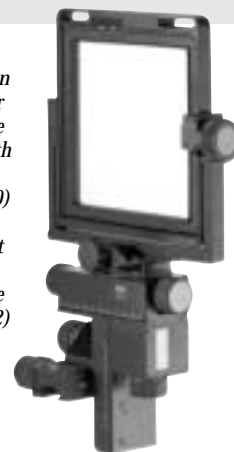
**Function Carrier**
**F-Line Com Rear** (052001C)

**Item # ARFCRFC.....1,325.95**

**Function Carrier M-Line Monolith Front** (055000)

**Item # ARFCFM.....2,364.95**

*Function  
Carrier  
M-Line  
Monolith  
Front  
(055000)  
with  
Format  
Frame  
M-Line  
(063022)*


**Function Carrier**
**M-Line Monolith Rear** (055001)

**Item # ARFCRM.....2,364.95**

**Function Carrier M-Line**
**Monolith Com Rear** (055001C)

**Item # ARFCRMC.....3,029.95**



## CAMERA OUTFITS

**F-Line C**
**6x9 Traveller Kit** (0222369)

Consists of #011001 F-Line C 6x9 camera, #140012 Leather Case and #611016 6x9 Roll Film Holder with adapter.

**Item # AR69FCTK.....4,081.95**

**F-Line**
**4x5 Basic Kit** (0220245)

Consists of F-Line B 4x5 camera (010001) and Case "Duo" (140006).

**Item # AR45BFK.....2,203.95**

**F-Line 4x5 Kit** (0221245)

Consists of F-Line 4x5 camera (012000) and #140005 4x5 Case "Eco".

**Item # AR45FK.....2,814.95**

**M-Line 4x5 Kit** (0231245)

Consists of M-Line 4x5 camera (018200), 4x5 Case "Eco" (14005), Bellows Lens Hood 4x5 with rod (111001), Reflex Magnifying Viewer 4x5 (161004) and eye cap for above (161013).

**Item # AR45MPK.....6,036.95**

## Multipurpose Standards

Capable of parallel shifts, swings and tilts. They can be used as a multi-purpose standard, professional lens shade, or bellows support for long extensions.

**Multipurpose**
**Standard 6x9** (031069)

**Item # ARSMP69.....717.95**

**Multipurpose**
**Standard 4x5** (031045)

**Item # ARSMP45.....664.95**



# ARCA SWISS SYSTEM



## BODY ACCESSORIES, *continued*

### Format Frames

Format Frame F-Line 6x9 Front (061000)  
**Item # ARFF69F.....679.95**

Format Frame F-Line 6x9 Rear (061001)  
**Item # ARFF69R.....679.95**

Format Frame F-Line 4x5 Front (062000)  
**Item # ARFF45F.....638.50**

Format Frame F-Line 4x5 Rear (062001)  
**Item # ARFF45R.....638.50**

Format Frame F-Line 8x10 Rear (062031)  
**Item # ARFF810F.....946.95**

Format Frame M-Line  
Monolith 6x9 Front (063001)  
**Item # ARFF69M.....378.95**

Format Frame M-Line  
Monolith 6x9 Rear (063002)  
**Item # ARFF69M.....378.95**

Format Frame M-Line  
Monolith 4x5 Rear (063021)  
**Item # ARFF45M.....494.95**

Format Frame M-Line  
Monolith 4x5 Triaxial Front (063022)  
**Item # ARFF45M.....939.95**

*Function  
Carrier  
F-Line  
(051000)  
with Format  
Frame F-Line  
(062000)*



Extender for  
Front Format Frame 8x10 (069000)  
**Item # ARFFE810.....237.95**

### Monorail Units

Monorail II 0-15cm (041115)  
0-5.9" (0-15cm).  
**Item # ARMR15.....119.50**

Monorail II 0-20cm (041120)  
0-7.9" (0-20cm).  
**Item # ARMR20.....139.50**

Monorail II 0-25cm (041125)  
0-9.8" (0-25cm).  
**Item # ARMR25.....159.95**

Monorail II 0-30cm (041130)  
0-11.8" (0-30cm).  
**Item # ARMR30.....192.95**

Monorail II 0-40cm (041140)  
0-15.7" (0-40cm).  
**Item # ARMR40.....239.95**

Monorail II 0-50cm (041150)  
0-19.7" (0-50cm).  
**Item # ARMR50.....339.95**

Monorail Stopper Kit II (041202)  
**Item # ARSKM.....16.95**

Monorail Extension II 25cm (041225)  
9.8" (25cm).  
**Item # ARMRE25.....262.95**

### Optical Benches Telescopic

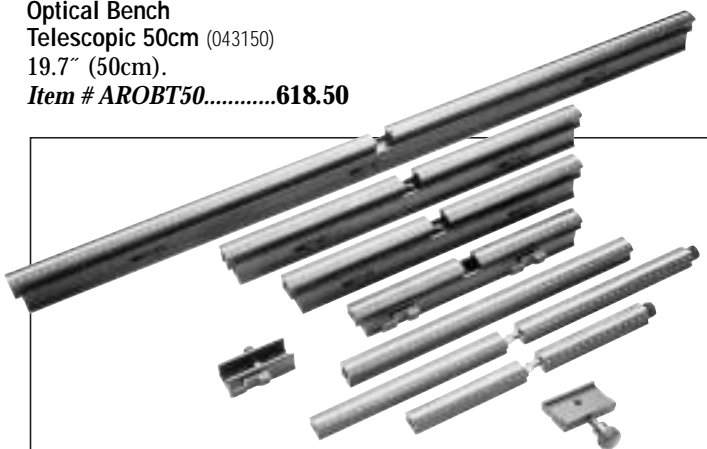
Optical Bench  
Telescopic 30cm (043130)  
11.8" (30cm).  
**Item # AROBT30.....447.50**

Optical Bench  
Telescopic 40cm (043140)  
15.7" (40cm).  
**Item # AROBT40.....559.95**

Optical Bench  
Telescopic 50cm (043150)  
19.7" (50cm).  
**Item # AROBT50.....618.50**

Optical Bench  
Telescopic 80cm (043180)  
31.5" (80cm).  
**Item # AROBT80.....965.95**

Optical Bench  
Telescopic 100cm (043199)  
39.4" (100cm).  
**Item # AROBT100.....1362.50**



*Assorted Monorail Units, Optical Benches  
Telescopic, and Extension Brackets*

### Extension Brackets

Extension  
Bracket II 85mm (042108)  
33.5" (85mm).  
**Item # AREB8.5.....114.95**

Extension  
Bracket II 300mm (042130)  
11.8" (300mm).  
**Item # AREB30.....237.50**

Extension  
Bracket II 400mm (042140)  
15.7" (400mm).  
**Item # AREB40.....297.50**

Extension  
Bracket II 500mm (042150)  
19.7" (500mm).  
**Item # AREB50.....336.50**

Extension  
Bracket II 800mm (042180)  
31.5" (800mm).  
**Item # AREB80.....534.95**

Extension  
Bracket II 1000mm (042199)  
39.4" (1000mm).  
**Item # AREB100.....669.95**

### Optical Benches Collapsible

Monorail 30cm Collapsible (044130)  
11.8" (30cm). Includes extension bracket.  
**Item # ARMRC30.....429.50**

Monorail 40cm Collapsible (044140)  
15.7" (40cm). Includes extension bracket.  
**Item # ARMRC40.....498.95**

Monorail 50cm Collapsible (044150)  
19.7" (50cm). Includes extension bracket.  
**Item # ARMRC50.....556.50**

VIEW CAMERAS

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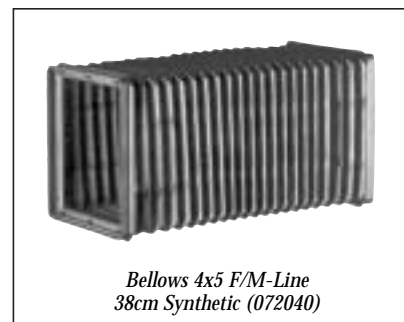
### BODY ACCESSORIES, *continued*

#### Bellows



*Bellows can also be used as a viewing accessory. See Viewing Accessories*

The Arca system features different bellows for every application. Virtually all of them can be employed as lens shades or groundglass viewing screens. Square universal bellows is standard with all Arca cameras. This versatile bellows can also be used with Multipurpose standards to increase camera extension for 4x5, 5x7, and 8x10 formats. The wide-angle bellows are used with shorter lenses. This "Bag Bellows" lets you use full camera movements at short extensions. Bellows are offered in synthetic or leather material.



*Bellows 4x5 F/M-Line 38cm Synthetic (072040)*

#### Bellows 6x9

**Universal Bellows 6x9 20cm Leather (071000)**  
Maximum length: 7.9" (20cm); minimum length: 1.7" (43mm).  
**Item # ARBU69.....377.95**

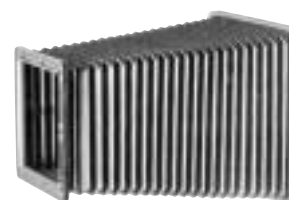
**Bellows 6x9 24cm Synthetic (071001)**  
Maximum length: 9.5" (24cm); minimum length: 2.6" (65mm).  
**Item # ARBS69.....209.95**

**Wide-Angle Bellows 6x9 15cm Leather (071010)**  
Maximum length: 5.9" (15cm); minimum length: 1.7" (43mm).  
**Item # ARBWA69.....329.95**

**Bellows 6x9 50cm Synthetic (071025)**  
Maximum length: 20" (50cm); minimum length: 4.7" (120mm).  
**Item # ARBL69.....308.95**

#### Bellows 5x7

**Bellows 5x7 F/M-Line 50cm Synthetic Conical (075000)**  
Maximum length: 20" (50cm); minimum length: 2.6" (65mm).  
**Item # ARBS57.....389.50**



*Bellows 5x7 F/M-Line 50cm Synthetic Conical (075000)*

#### Bellows 6x9 - 4x5

**Wide-Angle Bellows 6x9-4x5 24cm Leather Conical (071030)**  
Maximum length: 9.5" (24cm); minimum length: 1.7" (43mm).  
**Item # ARBWA6945.....435.95**

**Bellows 6x9-4x5 38cm Synthetic Conical (071031)**  
Maximum length: 15" (38cm); minimum length: 3" (75mm).  
**Item # ARBS6945.....321.95**

**Bellows 6x9-4x5 50cm Synthetic Conical (071032)**  
Maximum length: 20" (50cm); minimum length: 3.5" (90mm).  
**Item # ARBL6945.....379.95**

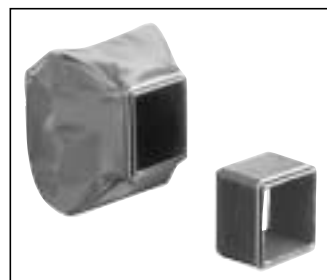
#### Bellows 4x5

**Bellows 4x5 F/M-Line 38cm Synthetic (072040)**  
Maximum length: 15" (38cm); minimum length: 3" (75mm).  
**Item # ARBS45.....263.95**

**Wide-Angle Bellows 4x5 F/M-Line 20cm Leather (072050)**  
Maximum length: 7.9" (20cm); minimum length: 1.9" (47mm).  
**Item # ARBWA45L.....389.95**

**Wide-Angle Bellows 4x5 F/M-Line 20cm Synthetic (072051)**  
Maximum length: 7.9" (20cm); minimum length: 1.7" (43mm).  
**Item # ARBWA45.....273.95**

**Bellows 4x5 F/M-Line 70cm Synthetic (072060)**  
Maximum length: 27.6" (70cm); minimum length: 4.7" (120mm).  
**Item # ARBL45.....266.95**



**Wide-Angle Bellows 5x7 25cm Leather Conical (075011)**  
Maximum length: 9.9" (25cm); minimum length: 2.2" (55mm).  
**Item # ARBWA57.....346.95**

**Bellows 5x7 F/M-Line 70cm Synthetic Conical (075001)**  
Maximum length: 27.6" (70cm); minimum length: 3.5" (90mm).  
**Item # ARBL57.....539.50**

#### Bellows 8x10

**Bellows 8x10 F/M-Line 50cm Synthetic Conical (076000)**  
Maximum length: 20" (50cm); minimum length 2.6" (65mm).  
**Item # ARBS810.....669.95**

**Bellows 8x10 F/M-Line 70cm Synthetic Conical (076001)**  
Maximum length: 27.6" (70cm); minimum length 3.5" (90mm).  
**Item # ARBL810.....808.50**

**Wide-Angle Bellows 8x10 F/M-Line 30cm Leather (076010)**  
Maximum length: 11.8" (30cm); minimum length 2.2" (55mm).  
**Item # ARBWA810L.....729.95**

**Wide-Angle Bellows 8x10 F/M-Line 30cm Synthetic Conical (076011)**  
Maximum length: 11.8" (30cm); minimum length 2.2" (55mm).  
**Item # ARBWA810.....609.95**

# ARCA SWISS SYSTEM



## BODY ACCESSORIES, *continued*

### Format Conversion F-Line

**Format Conversion Set F-Line 6x9** (011200)  
Converts any F-Line camera to 6x9 camera. Consists of #061000 Format Frame F-Line 6x9 front, #061001 Format Frame F-Line 6x9 rear, #080003 Groundglass Holder 6x9 F/M-Line with Fresnel for direct connection to format frame and #071000 Universal Bellows 6x9 20cm leather.  
**Item # ARFS69F .....1,422.95**

**Format Conversion Set F-Line 6x9-4x5 Wide-Angle** (011201)  
Converts 6x9 F-Line camera to wide-angle 4x5 camera. Consists of #062001 Format Frame F-Line 4x5 rear, #080007 Film and Groundglass Holder and #071030 Bellows 6x9-4x5 24cm leather conical.  
**Item # ARFS6945WAF .....1,404.95**

**Format Conversion Set F-Line 6x9-4x5 Standard** (011202)  
Converts 6x9 F-Line camera to standard 4x5 camera. Consists of #062001 Format Frame F-Line 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #071031 Bellows 6x9-4x5 38cm synth conical.  
**Item # ARFS6945SF .....1,291.95**

**Format Conversion Set F-Line 4x5** (012190)  
Converts 5x7 or 8x10 F-Line camera to 4x5 camera. Consists of #062001 Format Frame F-Line 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #072040 Bellows 4x5 F/M Standard 38cm synth.  
**Item # ARFS45F .....1,396.50**

**Format Conversion Set F-Line 5x7** (012200)  
Converts F-line 4x5 or 8x10 camera to 5x7 camera. Consists of #062021 Format Conversion Set F-Line 5x7 rear, #088012 Film and Groundglass holder 5x7 with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synth conical.  
**Item # ARFS57F .....2,348.50**

**Format Conversion Set F-Line 8x10** (012210)  
Converts F-Line 4x5 or 5x7 camera to 8x10 camera. Consists of #062031 Format Frame F-Line 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M-Line with Fresnel and #076000 Bellows 8x10 F/M Standard 50cm synth conical.  
**Item # ARFS810F .....2,746.50**

### Format Conversion M-Line

**Format Conversion Set M-Line Monolith 6x9** (011809)  
Converts any 4x5, 5x7 or 8x10 M-Line cameras to 6x9 camera. Consists of #063001 Format Frame M-Line Monolith 6x9 front, #063002 Format Frame M-line Monolith 6x9 rear, #080003 Groundglass Holder 6x9 F/M-Line with Fresnel for direct connection to format frame and #071001 Bellows 6x9 Standard 24cm synthetic.  
**Item # ARFS69M .....1,089.50**

**Format Conversion Set M-Line Monolith 6x9-4x5 Wide-Angle** (011810)  
Converts 6x9 M-Line camera to 4x5 wide camera. Consists of #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #071030 Bellows 6x9-4x5 24cm leather conical.  
**Item # ARFS6945WAM .....1,464.95**

**Format Conversion Set M-Line Monolith 6x9-4x5 Standard** (011811)  
Converts 6x9 M-line camera to 4x5 camera. Consists of #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #071031 Bellows 6x9-4x5 38cm synthetic conical.  
**Item # ARFS6945SM .....1,339.95**

**Format Conversion Set M-Line Monolith 4x5** (011812)  
Converts M-Line 5x7 or 8x10 camera to 4x5 camera. Consists of #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #072040 Bellows 4x5 F/M Standard 38cm synthetic.  
**Item # ARFS45M .....1,192.95**

**Format Conversion Set M-Line Monolith 5x7** (011813)  
Converts M-Line 4x5 or 8x10 camera to 5x7 camera. Consists of #063030 Format Frame M-line Monolith 5x7 rear, #088012 Film and Groundglass holder 5x7 F/M-Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.  
**Item # ARFS57M .....2,513.50**

**Format Conversion Set M-Line Monolith 8x10** (011814)  
Converts M-line 4x5 or 5x7 camera to 8x10 camera. Consists of #063040 Format Frame M-Line Monolith 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M-Line with Fresnel and #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.  
**Item # ARFS810M .....3,032.50**



## BACK ACCESSORIES

### Format Reducing Adapters (Reducing Backs)

**Format Reducing Board 5x7-4x5** (200001)  
Reduces picture format from 5x7 to 4x5 without changing rear function carrier (rear standard). A groundglass back (#080007) is required for focusing and mounting 4x5 film holders.  
**Item # ARR5745 .....689.50**

**Format Reducing Board 8x10-4x5** (200004)  
Reduces picture format from 8x10 to 4x5 without changing rear function carrier (rear standard). A groundglass back (#080007) is required for focusing and mounting 4x5 film holders.  
**Item # ARR81045 .....786.50**



# ARCA SWISS

## SYSTEM



### VIEWING ACCESSORIES

#### Film and Groundglass Holder

**International Back**  
6x9 F/M-Line (080001)  
Consists of #080002 Film holder Adapter and #080005 Groundglass Holder 6x9.  
**Item # ARFGGH69.....604.95**

**Film Holder Adapter**  
6x9 F/M-Line (080002)  
**Item # ARFHA69.....349.95**

**Groundglass Holder 6x9**  
F/M-Line with Fresnel (080005)  
Required only when using flat film holder.  
**Item # ARGGHFHA69...253.50**

**Groundglass Holder 6x9**  
F/M-Line with Fresnel (080003)  
Direct connection to frame. Replacement.  
**Item # ARGGH69.....294.95**

**International Back 4x5**  
F/M-Line (080007)  
Consists of #080008 Film holder Adapter and #080009 Groundglass Frame with Fresnel.  
**Item # ARFGGH45.....633.50**

**Film Holder Adapter**  
4x5 F/M-Line (080008)  
**Item # ARFHA45.....329.95**

**Groundglass Frame**  
4x5 F/M with Fresnel (080009)  
**Item # ARGGFF45.....319.95**

**New!**



**Monolith DCS**  
**Cameras available**

*Please inquire*

#### Viewing Aids

**Viewing Bellows for 6x9/4x5**  
F/M-Line (161001)  
**Item # ARVB.....265.95**

**Binocular Reflex Viewer**  
for 6x9 F/M-Line (161003)  
For viewing upright screen images.  
**Item # ARRMV69.....567.95**

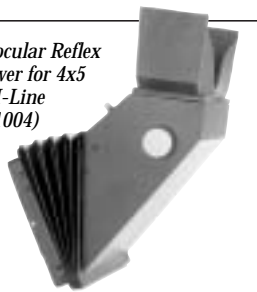
**Binocular Reflex Viewer**  
for 4x5 F/M-Line (161004)  
Unique binocular reflex viewer with flip-on magnifying lens for viewing upright screen images.  
**Item # ARRMV45.....654.95**

**Binocular Lensboard** (161012)  
Replacement for #161001.  
**Item # ARBLB.....207.95**

**Eye Mask** (161013)  
For #161001, #161003 and #161004.  
**Item # AREC.....118.95**

**Adapter Frame 4x5 F/M-Line** (161015)  
For #161001.  
**Item # ARAFVB.....73.95**

*Binocular Reflex  
Viewer for 4x5  
F/M-Line  
(161004)*



#### Groundglass

**Groundglass for**  
6x9 F/M-Line (170011)  
**Item # ARGG69.....59.95**

**Groundglass for**  
4x5 F/M-Line (170014)  
**Item # ARGG45.....69.95**

**Groundglass for**  
5x7 F/M-Line (170017)  
**Item # ARGG57.....104.95**

**Groundglass for**  
8x10 F/M-Line (170018)  
**Item # ARGG810.....132.95**

#### Fresnel Lens

**Fresnel Lens for**  
6x9 F/M-Line (180022)  
**Item # ARFL69.....117.95**

**Fresnel Lens for**  
4x5 F/M-Line (180024)  
**Item # ARFL45.....133.95**

**Fresnel Lens for**  
5x7 F/M-Line (180025)  
**Item # ARFL57.....217.50**

**Fresnel Lens for**  
8x10 F/M-Line (180026)  
**Item # ARFL810.....298.50**



### BACKS ACCESSORIES

#### 120 Roll Film Holders

Arca Swiss 120 roll film holders feature smooth, positive film transport, maintain plane film surface, eliminate interior light reflections and are easy-to-use. They are professionally designed and are built to the highest quality standards.

**Roll Film Holder 6x7** (611000)  
10 exposures. Fits Graflock type 2x3 cameras. (For Arca 6x9, #080002 Adapter is required.)  
**Item # ARFB6712069 .....469.95**

**Roll Film Holder 6x9** (611010)  
8 exposures. Fits Graflock type 2x3 cameras. (For Arca 6x9, #080002 Adapter is required.)  
**Item # ARFB6912069 .....469.95**

**Roll Film Holder**  
**Adapter 6x9** (080002)  
Allows the use of Graflock type roll film holders on Arca 6x9 cameras.  
**Item # ARFHA69 .....349.95**

**Roll Film Holder 6x7** (611014)  
Consists of #611000 Roll Film Holder 6x7 and #080002 Roll Film Holder Adapter.  
**Item # ARFB6712069A...749.95**

**Roll Film Holder 6x9** (611016)  
Consists of #611010 Roll Film Holder 6x9 and #080002 Roll Film Holder Adapter.  
**Item # ARFB6912069A...749.95**

**Roll Film Holder 6x7** (611002)  
10 exposures. Fits international standard 4x5 cameras.  
**Item # ARFB16712045 ....484.50**

**Roll Film 6x9** (611012)  
8 exposures. Fits international standard 4x5 cameras.  
**Item # ARFB6912045 .....484.50**

**Roll Film Holder 6x12** (611022)  
6 exposures. Fits international standard 4x5 cameras.  
**Item # ARFB61212045 ....844.95**

**Polaroid Back 6x9** (621001)  
Specially designed Polaroid 2x3 back for 6x9 Arca cameras.  
**Item # ARFBP69 .....559.95**





# ARCA SWISS SYSTEM

VIEW CAMERAS

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## FRONT ACCESSORIES

### Bellows Lens Hoods

**Compendium Lens Hood 6x9** (111000)  
For F/M-Line. With scissors movement and film holder adapter. Includes compendium bracket and holder.  
**Item # ARCH69.....427.50**

**Compendium Lens Hood 4x5** (111001)  
Also for 5x7 and 8x10 F/M-Line. With scissors movement and film holder adapter. Includes compendium bracket and holder.  
**Item # ARCH45.....564.50**

**Compendium Bracket and Holder 6x9** (111007)  
Replacement.  
**Item # ARCHH69.....64.95**

**Compendium Bracket and Holder 4x5** (111008)  
Replacement.  
**Item # ARCHH45.....69.95**



Compendium Lens Hood (111000)

### Lensboards

#### 110x110mm for Arca 6x9 Monorails and 4x5 Field Camera

**Blank Lensboard for 6x9 Not Drilled** (0910001)  
**Item # ARLBB110 .....54.95**

**#0 Lensboard for 6x9** (0910002)  
**Item # ARLB0110.....59.95**

**#1 Lensboard for 6x9** (0910003)  
**Item # ARLB1110.....59.95**

**#3 Lensboard for 6x9** (0910004)  
**Item # ARLB3110.....59.95**

**7mm Blank Recessed Lensboard for 6x9** (0910041)  
**Item # ARLBR7B110.....79.95**

**7mm #0 Recessed Lensboard for 6x9** (0910042)  
**Item # ARLBR70110.....84.95**

**7mm #1 Recessed Lensboard 6x9** (0910043)  
**Item # ARLBR71110.....84.95**

#### 171x171mm for Arca 4x5, 5x7, and 8x10 Cameras

Current cameras use a 13mm slightly recessed lensboard.

**13mm Blank Recessed Lensboard Not Drilled** (0910411)  
**Item # ARLBRB171 .....69.95**



13mm  
#3  
Recessed  
Lensboard  
(0910414)

**13mm #0 Recessed Lensboard** (0910412)  
**Item # ARLBR0171.....74.95**

**13mm #1 Recessed Lensboard** (0910413)  
**Item # ARLBR1171.....74.95**

**13mm #3 Recessed Lensboard** (0910414)  
**Item # ARLBR3171.....74.95**

### Lensboard Adapters

**Lensboard Reducing Adapter 4x5-6x9** (200006)  
Allows the use of Arca 110mm lensboards on larger Arca cameras using 171mm lensboards.  
**Item # ARRB4569.....274.95**

**Lensboard Adapter Arca 110-Sinar** (200007)  
Allows the use of Arca 110mm lensboards on Sinar camera.  
**Item # ARLBA110S .....274.95**

**Lensboard Adapter Arca 171-Sinar** (200008)  
Allows the use of Sinar lensboard on Arca cameras using 171mm lensboard.  
**Item # ARLBA171S .....274.95**



### CASES

**6x9 F-Line Aluminum Case "Eco 69"** (140004)  
Sturdy case guarantees heavy-duty shock protection during travelling, shipping or other rough handling. Dimensions are 18.1 x 14.8 x 9.8" (46 x 37.5 x 25cm) LWH.  
**Item # ARC69F .....408.50**

**4x5 F/M-Line Aluminum Case "Eco 45"** (140005)  
Dimensions: 19.9x17.3x11" (50.5x44x28cm) LWH.  
**Item # ARC45 .....408.50**

**F-Line 4x5/M-Line 6x9 Aluminum Case "Duo"** (140006)  
Dimensions: 17.1x16.1x9.8" (43.5x41x25cm) LWH.  
**Item # ARC45F69M .....408.50**

**Leather Case for F-Line 6x9 Compact** (140012)  
Includes two compartments for accessories. Dimensions: 11x6.9x10" (28x17.5x25.5cm) LWH.  
**Item # ARC69FC .....396.95**

**Soft Nylon Bag Rucksack for Monorail Cameras** (140020)  
For monorails up to 30cm. Dimensions: 12.6x8.9x13.8" (32x22.5x35cm) LWH.  
**Item # ARCS .....183.50**



### MISCELLANEOUS

**Mirror for Angle Photography** (210001)  
In metal casing.  
**Item # ARMB.....422.95**

**Mirror for Angle Photography** (210002)  
Semi reflecting 50%. In metal casing.  
**Item # ARMBT .....492.95**

**Cable Release 12" [30cm]** (5190017)  
With locking mechanism.  
**Item # ARCR30.....41.95**

**Cable Release 20" [50cm]** (5190018)  
With locking mechanism.  
**Item # ARCR50.....48.95**

**Brainbox** (162000)  
Determines depth-of-field, bellows extension and tilt and swing angles.  
**Item # ARBB .....234.95**



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# HORSEMAN

## LE 4 x 5 SYSTEM

*Horseman has been producing their state-of-the-art monorail cameras for over twenty-five years. Photographers have long appreciated the simplicity of design combined with their durability. The addition of features to the high-end models make Horseman the choice for many professionals. Although the Horseman LE is their newest and latest offering in 4 x 5 monorail cameras, it is also the rebirth of the Classic Horseman 450, the model which the Horseman reputation is largely based on. Combining an intelligent design with sophisticated features such as geared rise, fall and shift, axis tilt and swing, true "one-hand" operation and fold-flat capabilities, the LE is destined to become a legend in it's own right.*



Horseman LE  
4x5 Camera (23135)  
shown with  
optional lens  
and lensboard

### FEATURES

- **Entry level monorail camera with most of the features of the more expensive models**
  - **Optical Bench Modular Camera**
  - **Folds flat to fit into an attaché case**
  - **Die-cast and machined aluminum alloy**
  - **Geared (rack/pinion) rise, fall and shift**
  - **Friction rail movement on tripod mount**
  - **Swing and tilt axis lie precisely in the center of the film plane and the center of a lens**
  - **Geared focusing of rear standard**
  - **Easily converted from right to left hand use**
- Horseman LE 4x5 Camera (23135)  
With standard grided ground-glass.  
Item #  
HOLE45.....1,345.00
- **Quick and easy positioning of the front standard as well as the tripod mount**

### LE SPECIFICATIONS

#### TILTS:

Front: 360°; Rear: 360°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### CAMERA BACK:

International Standard 4x5,  
Quick Change Vertical/  
Horizontal Back

#### FOCUSING SCREEN:

Grid Screen with Marks for  
6x7, 6x9 and 6x12cm, with  
Fresnel Lens

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM

#### BELLOWS DRAW:

2.4" (60mm) using  
Wide-Angle Bellows

#### MAXIMUM EXTENSION:

15.7" (400mm)

#### MONORAIL LENGTH:

15.7" (400mm)

#### LENSBOARD:

Horseman 140x140mm  
Flat or Recessed

#### DIMENSIONS:

12.8 x 9.6 x 16.5"  
(325 x 245 x 420mm);  
H.W.L.

#### WEIGHT:

9.9 lbs. (4.5kg)

*Subject to change without notice*

# HORSEMAN

## LS 4X5 VIEW CAMERAS

*The LS 4x5 camera features an expandable monorail, rack/pinion rise and fall, lateral shift and rack/pinion tripod block. This camera is the basic model, which provides yaw-free base tilt. This feature in the mechanism ensures that there is no yaw in the horizontal direction when you swing the camera, after first aligning the subject horizontally with the horizontal grid lines on the focusing screen. The camera also features geared rise, fall and shift, a geared tripod mount, and a depth-of-field scale knob which calculates and displays the necessary f-stop and correct focal point for the depth-of-field. A fully modular multi-format camera system, with accessories which are easily interchangeable.*



*Horseman LS  
4x5 Camera (23108)  
shown with  
optional lens  
and lensboard*

VIEW CAMERAS

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### FEATURES

- **Optical Bench**  
Modular camera
- **Swings and tilt**  
axis lie precisely in  
the film plane with  
the L-designed  
cameras
- **Folds flat to fit in**  
an attaché style  
case
- **Depth-of-field**  
scale knob calcu-  
lates correct f-stop  
and focal point for  
depth of field
- **Die-cast and**  
machined alu-  
minum alloy
- **Geared tripod**  
mount
- **Geared rise, fall**  
and shift
- **Easily converted**  
from right to left  
hand use
- **Compact base tilt mechanism** for yaw  
free movements

Horseman  
LS 4x5 Camera (23108)  
With fresnel screen and  
grided ground glass.  
Item #  
HOLS45.....3,037.00

### LS 4x5 SPECIFICATIONS

#### TILTS:

Front: 360° + 40° base tilt;  
Rear: 360° + 40° base tilt

#### SWINGS:

Front: 360°; rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### CAMERA BACK:

International standard 4x5,  
quick change vertical/  
horizontal back

#### FOCUSING SCREEN:

Grid Screen with marks for  
6x7, 6x9 and 6x12cm, with  
fresnel lens on LS 45

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
2.4" (60mm) using  
wide-angle bellows

#### MAXIMUM EXTENSION:

Expandable from 18.1 to  
27.6" (460 to 700mm)

#### MONORAIL LENGTH:

Expandable from 18.1 to  
27.5" (460 to 700mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Horseman 140x140mm  
Flat or Recessed

#### DIMENSIONS:

15 x 9.6 x 18.9"  
(380 x 245 x 480mm)  
H.W.L.

#### WEIGHT:

13.9 lbs. (6.3kg)

*Subject to change without notice*



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# HORSEMAN

## LX/LX-C 4x5 VIEW CAMERAS

VIEW CAMERAS

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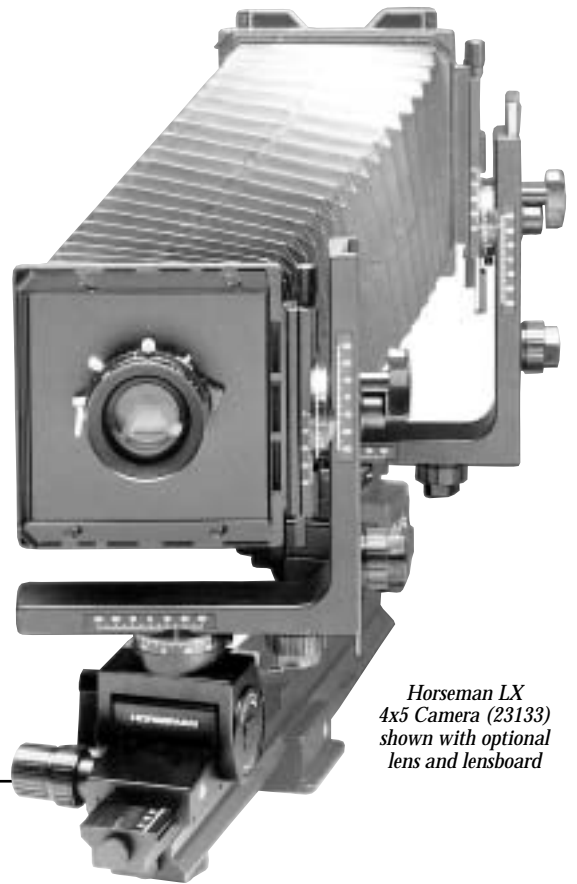
*Along with Yaw-Free Base Tilt, the LX features main frame displacement and depth-of-field scale. On the LX-C, the top of the line in the L-series, depth-of-field measurements are digitized and computed for you by the on-board focus computer. The focus computer has 3 modes of measurement and possesses some exceedingly innovative functions. As the digital scale provides readings to an accuracy of 1/10mm, errors and uncertainty due to backlash in the drive system or compliance are totally eliminated. In spite of the traditional look, L-series view cameras represent a generational advance in camera design and unprecedented levels of technical excellence.*

### FEATURES

- **Main Frame Displacement** - main frames can be moved in parallel with the film plane, by a precision worm gear
- **Die-cast and machined aluminum alloy**
- **Upgradeable to 5x7 or 8x10**
- **Optical bench module camera**
- **2-way spirit level on front and rear standard**
- **Expandable monorail**
- **Rack and pinion drive system on H-shaped monorail**
- **Depth-of-field measurements are digitized and computed by the on-board focus computer on the LXC**

Horseman LX 4x5 Camera (23133)  
With grided ground glass and fresnel screen.  
Item # **HOLX45.....3,595.00**

Horseman LX-C 4x5 Camera (23134)  
With grided ground glass and fresnel screen.  
Item # **HOLXC45.....4,495.00**



Horseman LX 4x5 Camera (23133) shown with optional lens and lensboard

### LX/LXC 4x5 SPECIFICATIONS

#### TILTS:

Front: 360° + 40° Base Tilt;  
Rear: 360° + 40° Base Tilt

#### SWINGS:

Front: 360°, Rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm);  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 2.4" (60mm);  
Rear: 2.4" (60mm)

#### CAMERA BACK:

International Standard 4x5,  
Quick Change Vertical/Horizontal Back

#### FOCUSING SCREEN:

Grid Screen with Marks for 6x7, 6x9 and 6x12cm, with Fresnel Lens on LS 45

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS DRAW:

2.4" (60mm) using Wide-Angle Bellows

#### MAXIMUM EXTENSION:

Expandable from 18.1 to 27.6" (460 to 700mm)

#### MONORAIL LENGTH:

Expandable from 18.1 to 27.5" (460 to 700mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Horseman 140x140mm Flat or Recessed

#### DIMENSIONS:

15 x 9.6 x 18.9" (380 x 245 x 480mm) H.W.L.

#### WEIGHT:

LX - 15.2 lbs (6.9 kg);  
LXC - 15.6 lbs (7.1 kg)

*Subject to change without notice*

# HORSEMAN

## LX/LX-C 8x10 VIEW CAMERAS

*These dynamic 8x10" format cameras are further elaborations on the design concepts of the LX and LX-C view cameras. Sharper image, increased range of tonal variation and greater photographic realism make the large format view camera a creative tool with limitless potential. As full fledged members of the L-series, the LX810 and LX-C810 bring you remarkable control flexibility, precision and functionality. Yaw Free Base Tilt and Front Main Frame Displacement are standard features. The large rear L-support equipped with "film axis tilt" lets you easily apply tilt and swing without worrying about refocusing. The LX-C features depth-of-field measurements digitized and computed by the focus computer.*

Horseman LX-C  
8x10 Camera  
(23124)



VIEW CAMERAS

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### FEATURES

- |   |  |  |   |
|---|--|--|---|
| <ul style="list-style-type: none"> <li>■ <b>Main Frame Displacement</b> - front main frame can be moved parallel with the film plane, by precision worm gear</li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Die-cast and machined aluminum alloy</b></li> </ul>              | <ul style="list-style-type: none"> <li>■ <b>Optical bench modular camera (8x10")</b></li> </ul>  | <p>Horseman LX 8x10 Camera (23123)<br/>With grided ground glass and fresnel screen.<br/><b>Item # HOLX810.....6,025.00</b></p>    |
| <ul style="list-style-type: none"> <li>■ <b>2-way spirit level on front and rear standard</b></li> </ul>  | <ul style="list-style-type: none"> <li>■ <b>Rack and pinion drive system on H-shaped monorail</b></li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Folds flat to fit into a smaller case</b></li> </ul> |   |
|   | <ul style="list-style-type: none"> <li>■ <b>Easily converted from right to left hand use</b></li> </ul>      | <ul style="list-style-type: none"> <li>■ <b>Depth-of-field scale knob</b></li> </ul>             | <p>Horseman LX-C 8x10 Camera (23124)<br/>With grided ground glass and fresnel screen.<br/><b>Item # HOLXC810 ....7,015.00</b></p> |
|   |  | <ul style="list-style-type: none"> <li>■ <b>Geared tripod mount</b></li> </ul>                   |   |

### LX/LX-C 8x10 SPECIFICATIONS

#### TILTS:

Front: 360° + 40° Base Tilt;  
Rear: 360° + 40° Base Tilt

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm);  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 1.2" (30mm);  
Rear: 3.5" (90mm)

#### CAMERA BACK:

International  
Standard 8x10  
Quick Change  
Vertical/Horizontal Back

#### FOCUSING SCREEN:

Grid Screen

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
3" (75mm) with  
Wide-Angle Bellows

#### MAXIMUM EXTENSION:

Expandable from  
18.1 to 27.6"  
(460 to 700mm)

#### MONORAIL LENGTH:

Expandable from 18.1 to  
27.6" (460 to 700mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Horseman 140x140mm  
Flat or Recessed

#### DIMENSIONS

20.5 x 16.5 x 18.9"  
(520 x 420 x 480mm)  
H.W.L.

#### WEIGHT

LX - 19.8 lbs. (9kg);  
LX-C - 20.3 lbs. (9.2kg)

*Subject to change without notice*



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# HORSEMAN

## L - S Y S T E M



### BODY ACCESSORIES

#### Front Standards and Supports

**4x5 Front L-Support LS** (23737)  
Requires 4x5 Main Frame (23705).  
**Item # HOLSFLS45 ....1,194.95**

**4x5 Front L-Support LX-LXC** (23753)  
With feature for Main Frame Displacement. Requires 4x5 main frame (23705).  
**Item # HOLSFLX45....1,994.95**

**8x10 Front L-Support LX-LXC** (23722)  
Same as above, for 8x10. Requires 8x10 main frame (23725N).  
**Item # HOLSFLX810..1,894.95**

*8x10 Front L-Support LX-LXC (23722)*



**8x10/5x7 Frame Adapter** (23588)  
A mounting spacer to attach 5x7 main frame (23715N) to 8x10 L-Support (23722) for 5x7 camera.  
**Item # HOFA81057.....444.95**

#### Rear Standards and L-Supports

The L-support arm is a high precision support system for camera front and back. It features Yaw-Free Base Tilt - a powerful brake equipped lock that securely fixes your tilt-swing adjustments in place, and easy to read white calibration scales.

**4x5 Rear L-Support LS** (23738)  
With depth-of-field scale for LS. Requires 4x5 main frame (23705) 4x5 connecting frame (23707) and 4x5 groundglass back (23708).  
**Item # HOLSRLS45....1,359.95**

**4x5 Rear L-Support LX** (23754)  
With depth-of-field scale for LX. Requires 4x5 main frame (23705), 4x5 connecting frame (23707) and 4x5 groundglass back (23708).  
**Item # HOLSRLX45 ...2,094.95**

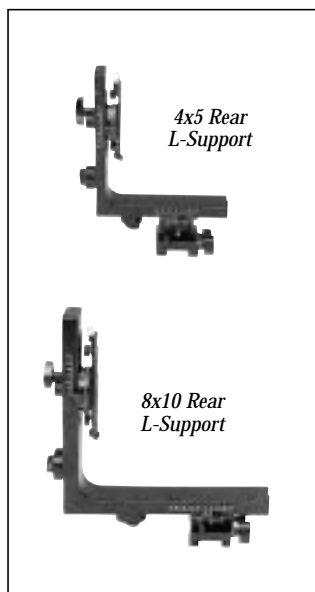
**4x5 Rear L-Support LX-C** (23755)  
With focus computer LX-C. Requires 4x5 main frame (23705), 4x5 connecting frame (23707) and 4x5 groundglass back (23708).  
**Item # HOLSRLXC45.3,249.50**

**8x10 Rear L-Support LX** (23728)  
With depth-of-field scale for LX. Requires 8x10 main frame (23725N) and 8x10 groundglass back (23727N).  
**Item # HOLSRLX810.2,994.50**

**8x10 Rear L-Support LX-C** (23729)  
With focus computer LX-C. Requires 8x10 main frame (23725N) and 8x10 groundglass back (23727N).  
**Item # HOLSRLXC810 .....3,994.50**

*4x5 Rear L-Support*

*8x10 Rear L-Support*



#### Main Frames

The front and rear main frames in the modular system are exactly identical. Bellows or connecting frame can be attached to either side for quick, effortless camera assembly.

**4x5 Main Frame** (23705)  
**Item # HOMF45 .....264.95**

**5x7 Main Frame** (23715N)  
**Item # HOMF57 .....694.95**

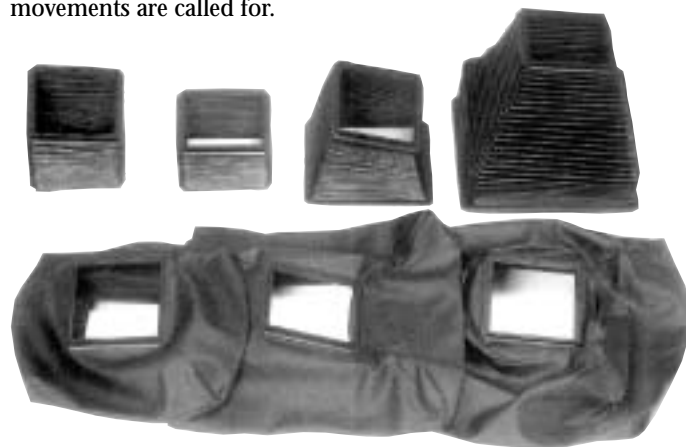
**8x10 Main Frame** (23725N)  
**Item # HOMF810 .....744.95**



*Main Frame (23725N) shown with groundglass back (237827)*

#### Bellows

Good flexibility, sturdy material and long service life are critical factors to consider when selecting bellows for professional photography. Horseman bellows are designed and built to accommodate maximum swing and tilt movements, and to stand up to years of hard use. For wide-angle photography, wide-angle bellows are highly recommended, even with standard lenses, when extreme movements are called for.



*4x5" Extra-Long Bellows, 4x5" Standard Bellows, 5x7" Standard Bellows, 8x10" Standard Bellows, 4x5" Wide-Angle Bellows, 5x7" Wide-Angle Bellows, 8x10" Wide-Angle Bellows*

**4x5 Standard Bellows** (23501)  
**Item # HOB545.....264.95**

**4x5 Wide-Angle Bellows** (23502)  
Used with wide-angle lenses 90mm or shorter.  
**Item # HOBWA45.....279.00**

**4x5 Extra Long Bellows** (23503)  
**Item # HOBEL45 .....375.00**

**5x7 Standard Bellows** (23557N)  
**Item # HOB57 .....594.95**

**5x7 Wide-Angle Bellows** (23558N)  
**Item # HOBWA57.....494.95**

**8x10 Standard Bellows** (23581N)  
**Item # HOB810.....794.95**

**8x10 Wide-Angle Bellows** (23582N)  
**Item # HOBWA810.....794.95**

**All items are complete with all accessories as supplied by the manufacturer**





### BODY ACCESSORIES, *continued*

#### Monorails

**250mm Monorail** (23551)  
Especially for use with short focal length lenses.  
**Item # HOMR250.....158.95**

**400mm Monorail** (23702)  
(Replacement on Model 450.)  
**Item # HOMR400.....199.95**

**560mm Monorail** (23552)  
**Item # HOMR560.....248.95**

**700mm Monorail** (23555)  
**Item # HOMR700.....394.95**

**1000mm Monorail** (23553)  
Needed for close-up and macro work. Permits extreme close-ups with long, standard and short focus lenses when combined with the intermediate bellows standard, etc.  
**Item # HOMR1000.....444.95**

**Expandable Monorail** (23712)  
The upper rail slides back and forth, giving rail lengths from 460 to 700mm.  
**Item # HOMRE.....644.95**

**Expandable Monorail Type (S)** (23554)  
Shorter type of expandable monorail, with lengths from 300 to 450mm.  
**Item # HOMRES.....594.95**

**Expandable Monorail with FC Scale** (23732)  
For the monorail adjustable from 460-700mm, the upper rail is engraved with an FC scale for use with the on-board focus computer. (Replacement for LX and LX-C.)  
**Item # HOMREFCS.....758.95**

**31cm Upper Rail** (23836)  
Total rail extension of 860mm is possible by mounting Upper rail to the Expandable Monorail.  
**Item # HOMRU31.....169.95**

**31cm Upper Rail with FC Scale** (23835)  
With its FC scale, this Upper Rail effectively converts the Expandable Monorail for use with the focus computer.  
**Item # HOMRU31FCS..294.95**



**Monorail Safety Stop** (23821)  
For 250, 400, 560 and 1000mm Monorails. (Replacement.)  
**Item # HOMRS250.....19.95**

**Monorail Safety Stop** (23822)  
For expandable monorails. (Replacement.)  
**Item # HOMRSE.....19.95**

#### Miscellaneous Body Accessories

**Fine Focus Adapter** (23566)  
Lets you mount a 35mm camera on a Horseman monorail, for precision-adjustment of distances in close-up and repro work. Camera rides on monorail rack and pinion drive. Also useful in slide duplication, etc.  
**Item # HOFFA.....234.95**



*Tripod Mount (23701)*

**Tripod Mount** (23701)  
Tripod block with built-in pinion drive mechanism to provide stable base for camera. The rack and pinion drive prevents tripod from moving when camera is shifted back and forth. With small and large tripod sockets.  
**Item # HOTM.....99.95**

*Bellows Connecting Frame (23561)*



**Bellows Connecting Frame** (23561)  
Necessary when joining two bellows, as in high magnification photography. Fine focus adapter (23566) required to prevent bellows from sagging.  
**Item # HOBC.....494.95**

**Support Plate** (27562)  
Affords increased stability to monorail by connection to tripod at two intervals. Use double support plate with two tripod mounts for secure mounting of 4x5" to 8x10" camera to longer monorail.  
**Item # HOSP.....374.95**



*Support Plate (27562)*

**Twin Accessory Shoe Mounts** (23564)  
L-shaped bracket attaches to the main frame and is fitted with two accessory shoes.  
**Item # HOASA.....75.00**

**Quick Shoe** (27564)  
For quick, easy, yet secure mounting of camera on tripod, attach shoe to tripod, then slide tripod mount of camera into shoe until it locks into place. The shoe has spring-loaded stopper pins at both ends to secure camera, even when it is not properly locked in place yet. The two guide pins on the adapter determine the positioning of Horseman field cameras. Includes Adapter.  
**Item # HOQS.....294.95**

**Quick Shoe Adapter** (27565)  
Spare.  
**Item # HOQSA.....69.95**

*Twin Accessory Shoe Mounts (23564)*



**Multi-Purpose Support Bracket** (23563)  
Mounted under the monorail on L-series cameras, this support bracket is designed to hold additional accessories securely. Two 3/8" mounting screws included.  
**Item # HOBMP.....194.95**

**Driving Aid Rubber Ring** (25681)  
For smoother rise adjustments, for 4x5 LS, LX and LX-C cameras.  
**Item # HORDA.....19.95**

# HORSEMAN

## L - S Y S T E M



### VIEWING ACCESSORIES

#### Groundglass

**4x5 Groundglass Spring Back** (23708)  
Requires 4x5 connecting frame (23707) to mount onto main frame.  
**Item # HOGGB45 .....278.95**

**4x5 Connecting Frame** (23707)  
For groundglass spring back.  
**Item # HOCF45.....124.95**

**5x7 Groundglass Back** (23717N)  
Mounts directly onto 5x7 main frame.  
**Item # HOGGB57 .....984.95**

**8x10 Groundglass Back** (23727N)  
Mounts directly onto 8x10 main frame.  
**Item # HOGGB810...1,494.95**

**4x5 Groundglass Only** (23891)  
(Replacement.)  
**Item # HOGGG45 .....49.95**

**4x5 Fresnel Lens Kit** (23893)  
Offers brighter viewing area for focusing. The fresnel snaps into place over the groundglass. Includes mounting hardware.  
**Item # HOF45K .....Disc**

**Snap-On Fresnel Attachment** (23831)  
Attachment for fresnel lens. Snaps easily on and off groundglass, magnetically.  
**Item # HOFA .....79.95**

**4x5 Fresnel Lens** (23892)  
Fresnel lens only.  
**Item # HOF45.....79.95**

**4x5 Bright Screen** (24594)  
This screen increases the brightness of the groundglass by approximately one aperture setting.  
**Item # HOBS45Q .....169.95**

**4x5 Aerial Image Focusing Screen** (24593)  
For microscopic and extreme low-light photography.  
**Item # HOGGA145.....249.95**

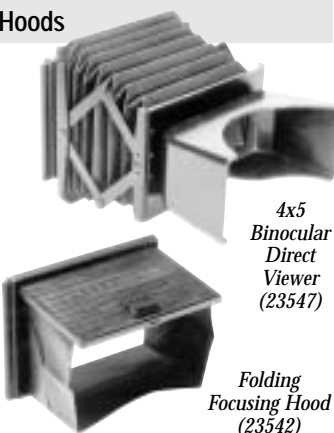
**5x7 Groundglass** (27861N)  
(Replacement.)  
**Item # HOGG57 .....86.95**

**8x10 Groundglass** (27863N)  
(Replacement.)  
**Item # HOGG810.....124.95**

#### Focusing Hoods

**4x5 Binocular Direct Viewer** (23547)  
For observation of images on the groundglass even in bright light. The image of the groundglass is observed through +3 dioptric magnified glasses. Bellows flexibility offers desired viewing angle.  
**Item # HOB DV .....609.00**

**4x5 Folding Binocular Reflex Viewer** (23543)  
For right side up viewing of the image. Folds into a small, portable unit. Usable in the field and studio. Mounts on Horseman rear standard, as well as on 14x14cm standard cameras. Fits all cameras that accept 14x14cm bellows.  
**Item # HOB RV .....849.00**



4x5  
Binocular  
Direct  
Viewer  
(23547)

Folding  
Focusing Hood  
(23542)

**Folding Focusing Hood** (23542)  
For easier focusing outdoors. Folds together for convenient carrying and storage. Snaps easily on and off frame of focusing screen.  
**Item # HOFH45 .....194.95**

#### Miscellaneous Viewing

**Precision Magnifier (4x)** (25612)  
A superbly designed magnifier with focus adjustment and edge to edge flat field over its large diameter (55mm) field. An especially valuable tool for examining negatives, prints, etc.  
**Item # HOM4X .....214.95**



Photo Angle  
Finder (25615)

**Magnifying Glass 6x** (25614)  
A 6x magnifying glass for cameras with focusing hoods. It allows focusing when the focusing hood is open.  
**Item # HOM6X .....164.95**



2-Way  
Level  
(25616)

**Focusing Magnifier 7x** (25611)  
Black tubes shuts out stray light. For clear, precise observation of focusing screen.  
**Item # HOM7X .....64.95**

**Universal Zoom Finder 69 (6x9cm)** (21501)  
The Universal Zoom Finder can be used either attached to a camera for hand-held shooting, or separately. By using the Universal Zoom Finder to compose the subject and the zooming knob to determine the focal lengths of the lenses you wish to use, you can avoid moving the camera about and changing lenses unnecessarily, thereby saving precious time. Suitable for use with lenses with a focal length of 65-300mm.  
**Item # HOZF69.....849.95**

**Universal Zoom Finder 45 (4x5")** (21502)  
Same as the Zoom Finder 69, but with format mask 4x5. For use with lenses with a focal length of 90-400mm.  
**Item # HOZF45.....899.00**

**Format Mask 6x9** (21701)  
**Item # HOMZF69 .....294.95**

**Format Mask 4x5** (21702)  
**Item # HOMZF45 .....294.95**



Universal  
Zoom  
Finder 69  
(21501)



**2-Way Bubble Level** (25616)  
Measures the relative angle between the film plane and the object to control distortion. Allows you to determine when front and back standards are parallel. Only about half the size of a pack of cigarettes, yet this fluorescent bubble level shows if the film plane and subject are horizontal or perpendicular.  
**Item # HOSL2W .....29.95**

**Photo Angle Finder II** (25617)  
Measures relative angle between film plane and object, or angle against perpendicular of object itself. Useful for accurate swing/tilt operations. Features oil damped indicator needle.  
**Item # HOFPA2.....41.95**



### FILM BACKS

#### Reducing Backs

Reducing backs can be used to convert the various back mount sizes of the 810 and 57 to the 4x5" 140mm format, or to convert the 810 to the 57 mount size.

**L810 Reducing Back** (23585N)  
Reduces from 8x10" to 4x5".  
Requires 4x5 connecting frame  
(23707) and 4x5 groundglass  
back (23708) for 4x5" photog-  
raphy.  
**Item # HORB81045.....794.95**

**L57 Reducing Back** (23586N)  
Reduces from 5x7" to 4x5".  
Requires 4x5 connecting frame  
(23707) and 4x5 groundglass  
back (23708) for 4x5" photog-  
raphy.  
**Item # HORB5745.....694.95**

**8x10/5x7 Reducing Back** (23587N)  
Reduces from 8x10" to 5x7".  
Requires 5x7 groundglass back  
(23717N) for 5x7" photography.  
**Item # HORB81057.....874.95**

**6x9" Reducing  
Revolving Back** (27531)  
Converts 4x5" to 6x9cm for-  
mat. Revolves to horizontal or  
vertical format while camera  
stays fixed. Economical, as  
Horseman 6x9cm accessories  
can be used as they are.  
**Item # HORBR .....664.95**



L57 Reducing  
Back (23586N)

6x9"  
Reducing  
Revolving  
Back  
(27531)



#### Rotary Backs

The groundglass screen and film holder are mounted side by side on a circular, rotating cameraback. Compose and focus on the screen, then rotate the back through 180° in a single motion. Eliminates the need to constantly exchange film holders and focusing screens and greatly improves work efficiency. The built-in exposure prevention permits the back to be rotated without insertion of darkslide.

**Rotary Back Type 2** (22502)  
Fits international standard  
4x5" cameras. For speed in  
6x7 and 6x9cm 120 roll pho-  
tography. Supplied with  
groundglass back (22574).  
**Item # HORB2.....794.95**

**Rotary Back Type 3** (22503)  
For Horseman 4x5" view  
cameras. Both Type 2 and 3  
fit directly into rear camera  
frame, minimizing thickness  
loss due to rotary back.  
Supplied with groundglass  
back (22574).  
**Item # HORB3.....794.95**

**Groundglass Back** (22574)  
Replacement for rotary backs 1-3.  
**Item # HOGGBR1.....98.95**



#### 4x5 Film Backs

Horseman roll film holders for 4x5" cameras feature ratchet advance and automatic counter resetting. You can choose from among five types: 6x7 and 6x9cm for 120 and 220 film, respectively, and a 6x12 model for easy panoramic photography with your 4x5" camera. They are designed to fit all 4x5" cameras that follow the accepted international standard.

**Roll Film Holder 451** (22451)  
6x9cm 8 exposures on 120 film  
for all international standard  
4x5" cameras.  
**Item # HOFB6912045....469.00**

**Roll Film Holder 452** (22452)  
6x7cm 10 exposures on 120  
roll film, for all international  
standard 4x5" cameras.  
**Item # HOFB6712045....469.00**

**Roll Film Holder 453** (22453)  
6x9cm 16 exposures on 220 roll film, for all international standard  
4x5" cameras.  
**Item # HOFB6922045.....469.00**

**Roll Film Holder 454** (22454)  
6x7cm 20 exposures on 220  
roll film, for all international  
standard 4x5" cameras.  
**Item # HOFB6722045....469.00**

**Roll Film Holder 612** (22461)  
6x12cm 6 exposures on 120  
roll film, for all international  
standard 4x5" cameras.  
**Item # HOFB61245.....849.00**

Roll Film  
Holder 451  
(22451)



Roll Film  
Holder 452  
(22452)

**Dark Slide** (22802)  
Replacement dark slide for roll  
film holders 451-454.  
**Item # HODSFB45.....12.95**

**Dark Slide** (22804)  
Replacement dark slide for roll  
film holders 612.  
**Item # HODSFB612.....14.95**

4x5, 5x7 and 8x10 film holders are available by  
independent manufacturers. See Miscellaneous View section.

# HORSEMAN

## L - S Y S T E M



### BACK ACCESSORIES

Exposure  
Meter 45  
(04311)  
shown  
with  
Hard  
Case  
(25675)



TTL exposure meter for average full area measuring on the film plane. Read-out of film surface value with immediate computation of shutter speed or aperture setting. Fits like a sheet film holder. No need to calculate bellows factor for close-ups, or to consider effect on the exposure caused by movement or filter usage.

### Exposure Meter

#### Exposure Meter 45 (04311)

Full area measuring on the entire 4x5" format. The meter face can be rotated with click spots at 45°, to be readable from any direction. Battery supplied.

Item # **HOM45** .....**945.00**

#### 6.2v Spare Battery (25837)

For Exposure Meters.

Item # **HOBQ** .....**22.50**

#### Hard Case (25675)

For Exposure Meter 45.

Item # **HOCHM** .....**74.95**



### FRONT ACCESSORIES

### Bellows Hoods

#### Bellows Lens Hood

Type II (23544)

For 4x5" view cameras. The revolving bellows lens hood blocks light at any camera angle or inclination. In addition, a format mask matching the 4x5" screen format is included as standard equipment. The format mask is inserted into the front end of the bellows hood and can also be used to cut out extraneous light.

Item # **HOBLH2** .....**609.00**



Bellows  
Lens  
Hood  
Type II  
(23544)



#### Sinar Adapter (23546)

For Bellows Hood II. Allows the use of Horseman bellows on Sinar cameras.

Item # **HOSABLH2** .....**148.95**

### Miscellaneous Front Accessories

#### Semi-Transparent Mirror (23571)

With a transparency factor of 50%, this semi-transparent mirror, 140x140cm, allows the photographer to superimpose two images in one picture easily. Requires fine focus adapter (23566), or auxiliary frame (23562) for mounting.

Item # **HOHSM** .....**274.95**

#### Fine Focus Adapter (23566)

The Fine Focus Adapter lets you mount a 35mm camera on a Horseman monorail, for precision-adjustment of distances in close-up and repro work. Camera rides on monorail rack and pinion drive. Also useful in slide duplication, etc.

Item # **HOFFA** .....**234.95**

#### Auxiliary Frame with Tilt/Swing System (23562)

Connects two or more sets of bellows when using two frames and bellows as a lens hood, or when mounting accessories such as a half mirror. Has all the adjustment flexibility of the regular front and rear standards, including rise, fall, forward and backward movement on the monorail and tilt/swing.

Item # **HOAF** .....**739.95**

### Lensboards and Adapter Lensboards

#### Blank View Lensboard (23511)

For drilling own lens opening.

Item # **HOLBBV** .....**49.95**

#### #0 View Lensboard (23513)

Item # **HOLB0V** .....**69.95**

#### #1 View Lensboard (23514)

Item # **HOLB1V** .....**69.95**

#### #3 View Lensboard (23515)

Item # **HOLB3V** .....**69.95**

#### #0 Recessed View Lensboard (23523)

Recessed 20mm, for #0 shutter.

Item # **HOLBR20V** .....**294.95**

#### #0 Recessed View Lensboard (23522)

Recessed 40mm, for #0 shutter.

Item # **HOLBR40V** .....**294.95**

#### Horseman Field to Horseman View Adapter Board (23517)

Permits lenses mounted on 80x80mm Horseman panels to be used without remounting.

Item # **HOLBAFV** .....**294.95**

#### Linhof to Horseman View Adapter Board (23516)

Permits lenses mounted on Linhof standard panels to be used without remounting.

Item # **HOLBALV** .....**294.95**

#### 14cm Bayonet

Lensboard (23531)

Horseman's Bayonet lens mounting system allows you to change lenses from one camera to another with ease. Its carry case saves lens storage space.

Item # **HOLBBVQ** .....**444.95**

#### Bayonet Ring #0 (23535)

Drilled for #0 shutter.

Item # **HOBRO** .....**94.95**

#### Bayonet Ring #1 (23536)

Drilled for #1 shutter.

Item # **HOBRI** .....**94.95**

### Misc. Lens Accessories

#### 2x LF Teleconverter

150-300 (25231)

For large-format lenses. Enables you to convert most 150mm focal distance lenses up to 300mm. The 7-element, 5-group construction uses extra-dispersion glass so as not to effect the sharpness, color balance or image circle of the original lens. The exposure factor is two f-stops. Mounting and unmounting is easily achieved. Its compact size makes it perfect for on-location shooting.

Item # **HOTCLF** .....**464.95**

**Most Orders Shipped Within 24 Hours**



### MISCELLANEOUS

#### Behind-The-Lens Filter Holder

Elastic pantograph-type filter holder fits over rear end of lens, regardless of focal length. To attach, mount the set ring to the lensboard. Once in place, the rear filter holder itself can be slipped on and off. With the set ring mounted, lenses can be interchanged at a touch. Four types of rear filter holders are available.

**Behind-the-Lens Filter Holder (Std)** (27551)  
Supplied with adapter rings for #0 and #1, and 3" gel filter holders (2 pcs). Fits most view cameras.  
**Item # HOFHBTLL .....349.95**

**3" Square Filter Holder** (23883)  
**Item # HOFH3.....7.95**

**4" Square Filter Holder** (23884)  
**Item # HOFH4.....7.95**

**5" Square Filter Holder** (23885)  
**Item # HOFH5.....7.95**

**Adapter Ring #0** (27556)  
For #0 shutter. (Replacement.)  
**Item # HOAR0FHBTLL...39.95**

**Adapter Ring #1** (27557)  
For #1 shutter.  
**Item # HOAR1FHBTLL...39.95**

**Adapter Ring #3** (27559)  
For #3 shutter.  
**Item # HOAR3BTLLFH...44.95**

**BTL Filter Holder H** (27552)  
With adapter board for Horseman view. Mounts directly in place of Horseman view lensboard.  
**Item # HOFHBTLLH .....594.95**



*Behind The Lens Filter Holder (27551)*

**BTL Filter Holder L** (27553)  
With adapter board for Linhof. Mounts directly in place of Linhof lensboard.  
**Item # HOFHBTLL .....594.95**

**BTL Filter Holder B** (27554)  
With 14cm bayonet board, using bayonet mounting system.  
**Item # HOFHBTLLB.....744.95**

#### Digital Shutter

The IS-1 Intelligent Shutter System is a remote controlled aperture and shutter speed selector for view camera lenses. All operations can be controlled behind the camera. Shutter speeds are from  $\frac{1}{25}$  of a second to 99 minutes and 59 seconds. The aperture can be fine-adjusted in steps of 1,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$  and  $\frac{1}{16}$  of a stop. On the control unit, the shutter speed can be selected either with an F/S (faster/slower) toggle, giving you  $\frac{1}{2}$  increments (i.e.  $\frac{1}{60}$  +  $\frac{1}{60}$ ,  $\frac{1}{30}$  +  $\frac{1}{30}$  etc.) or in units of minutes, 10 seconds or 1 second. It also has a main aperture dial and a sub-dial for aperture-fine adjustment. Other functions are "Open", "Stop", "Down", "Closed", "Release". An easy-to-read LCD, shows all information. Powered by AC 110 or 220v, or rechargeable nicads.

**ISS Control Kit** (23201)  
Consists of Central processing kit, Remote control, RC cable 1.5m and shutter 1.5m connecting cable.  
**Item # HOCKISS .....3,494.50**

**ISS Power Kit** (23240)  
Consists of 6v Nicad battery, battery recharger, A/C adapter, and car battery adapter.  
**Item # HOPKISS.....424.95**

**Simultaneous Operation Cable** (23233)  
**Item # HOSOC.....99.95**

**Remote Release (1m)** (23232)  
**Item # HORR1 .....174.95**

**Remote Release (5m)** (23234)  
**Item # HORR5 .....258.95**

**ISS Flex Clamp** (23251)  
**Item # HOFClSS.....349.95**

**Auto Camera Back for Horseman with Cable** (23271)  
**Item # HOACFH .....324.95**

**Auto Camera Back for Toyo with G.G. Back & Cable** (23274)  
**Item # HOCBTISS .....794.95**

**Auto Camera Back for Cambo with G.G. Back & Cable** (23273)  
**Item # HOACBC .....794.95**

**Auto Adapter for Sinar** (23272)  
**Item # HOAAS .....374.95**

**Shutter IS-0 #0** (23221)  
**Item # HOSIS0.....958.95**

**Shutter IS-1 #1** (23222)  
**Item # HOSIS1 .....958.95**

**Shutter IS-3 #3** (23223)  
**Item # HOSIS3.....1,589.95**

**Linhof Panel for IS Shutter #0 and #1** (23252)  
**Item # HOPSL.....79.95**

**Technical Panel for IS Shutter** (23253)  
**Item # HOPT.....694.95**

**ISS Nicad Battery Pak** (23243)  
**Item # HOBPNISS.....199.95**

**ISS Shutter Cable 2.5m** (23266)  
**Item # HOCSS2.5ISS.....344.95**

**ISS RCU Cable 3cm** (23264)  
**Item # HOCRCU3ISS.....234.95**

**ISS RCU Cable 5cm** (23265)  
**Item # HOCRCU5ISS.....274.95**

**ISS RCU Cable 15cm** (23263)  
**Item # HOCRCU15ISS...174.95**



### CASES

The Horseman Camera Cases are designed to fully protect your camera investment, and are dimensioned to accommodate 4x5" L-series cameras.

*Attache Case (27571)*



*Heavy Duty Case (27573)*

*Soft Side Case (27575)*

**Attache Case** (27571)  
Compact, lightweight leatherette case holds folded camera. Fits under airplane seat. Dimensions are 21.6x16.1x5.9" (55x41x15cm), weighs 9.9lbs (4.5kg).  
**Item # HOCF1.....344.95**

**Heavy Duty Case** (27573)  
Sturdy aluminum case holds and protects assembled camera. Dimensions are 20x16.5x11.4" (52x42x29cm), weighs 15lbs (6.8kg).  
**Item # HOCF3.....684.95**

**Soft Side Case** (27575)  
Camera bag, with shoulder strap, made of lightweight, water repellent, cushioned Cordura nylon. The 4x5" L-series view camera must be folded for storage in the case.  
**Item # HOCSS.....444.95**



*ISS Control Kit (23201)*



# L I N H O F

## M679 2¼ x 3¼" VIEW/DIGITAL CAMERA

VIEW CAMERAS

180

*An adjustable modular view camera covering from 6x6 (2¼ x 2¼") to 6x9cm (2¼ x 3¼") formats, the M679 allows most medium format camera backs, including digital backs, to be adapted to it. Medium format photographers are no longer limited by their tilt and shift lens. Perspective control, increasing depth-of-field, eliminating converging verticals and creative movements for obtaining optimum picture quality can be realized. The M679 is ideal for digital use as it offers the stability and tolerances required by digital backs.*



### FEATURES

- Solid optical bench camera
- Extremely compact and flexible
- Three spirit levels
- Adapters for roll film and digital imaging backs
- Ergonomically designed with precision micro drives and clamping elements

Linhof M679 Camera (000115)  
Includes bellows, front and rear standard with integrated benchholder, ground-glass back without groundglass and system transportation case.  
**Item # LIM679 .....4,044.95**

### Lens Boards

#0 Lensboard (001160)  
**Item # LILB0M679 .....109.95**

#1 Lensboard (001161)  
**Item # LILB1M679 .....109.95**

#3 Lensboard (001173)  
For 240mm and telephoto lenses.  
**Item # LILB3M679 .....109.95**

#0 Lensboard (001171)  
For 100 f/5.6mm APO Sironar N lens.  
**Item # LILB0M679Q .....109.95**

#0 Recessed Lensboard (001163)  
**Item # LILBR0M679 .....129.50**

#1 Recessed Lensboard (001164)  
**Item # LILBRP1M679 .....129.50**

#0 Double Recessed Lensboard (001176)  
For ultra-wide lenses such as 35 f/4.5mm APO-Grandagon lens.  
**Item # LILBDR0M679 .....176.50**

Lensboard Adapter Technika (001100)  
For lenses mounted on Linhof and Wista boards.  
**Item # LILBAT45M679 .....476.95**

### M679 SPECIFICATIONS

#### TILTS:

Front: 75°; Rear: 75°

#### SWINGS:

Front: 36°; Rear 24°

#### LATERAL SHIFT:

Front: 6.6" (168mm);  
Rear: 6.6" (168mm)

*Subject to change without notice*

#### CAMERA BACK:

Special design accepts most 6x6, 6x7, Linhof 6x9, and digital backs via adapter

#### FOCUSING SCREEN:

Optional

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
1" (25mm)

#### MAXIMUM EXTENSION:

12.8" (326mm)

#### MONORAIL LENGTH:

12.8" (326mm)

#### LENSBOARD:

Linhof square 4½ x 4½"  
M679 type

#### OVERALL DIMENSIONS:

6.7 x 6 x 11.6"  
(170 x 153 x 294mm)  
L.W.H.

#### WEIGHT:

8.4 lbs. (3.8kg)

**M679 Groundglass Back** (001698)  
**Item # LIBGGM679.....582.95**

**Groundglass 6x6cm Scored**  
(021834)  
**Item # LIGG66M679.....39.95**

**Groundglass 6x7cm Scored**  
(021835)  
**Item # LIGG67M679.....39.95**

**Groundglass 3x3cm Scored**  
(021833)  
**Item # LIGG33M679.....39.95**

**Groundglass**  
**Kodak DCS 465** (021832)  
For 6x6 to 6x8 formats.  
**Item # LIGGKDCS465.....39.95**

**Format Dial 6x7** (003901)  
**Item #.....T.B.A.**

**Format Dial 3x3** (003902)  
**Item #.....T.B.A.**

**Format Dial 6x9** (003903)  
**Item #.....T.B.A.**

**Fresnel Lens** (002523)  
For increasing the brightness of the image corners when using short focal lengths. With the Linhof M679, the optical center of the fresnel screen is offset from the center of the screen. In addition, it can be moved up and down. Because of this a right angle viewfinder can be used without image vignetting.  
**Item # LIFSM679.....149.95**

**Normal Bellows** (002753)  
Replacement. For lenses with focal lengths of 90mm to 240mm.  
**Item # LIBNM679.....303.50**

**Wide Angle Bellows** (002754)  
For lenses with focal lengths of 35mm to 90mm.  
**Item # LIBWAM679.....459.95**

**Hasselblad Back Adapter**  
(001694)  
The groundglass adapter with the groundglass of the Hasselblad FlexBody, as well as the Hasselblad Reflex Finder (72530) can be used as a focusing aid with this adapter.  
**Item # LIFBAHM679.....477.95**

**Kodak DCS 465**  
**Back Adapter** (001697)  
**Item # LIDBAKDCS465...249.95**

**Mamiya**  
**Back Adapter RZ** (001696)  
**Item # LIFBAMRZM679..289.95**

**Universal Back Adapter** (001695)  
Multi adapter for Mamiya RB, 6x8 motor back, Linhof Rapid Rollex slide-in back 6x7 and Silvestri accessories.  
**Item # LIFBAUM679.....T.B.A.**

**Rapid Change Adapter Slide M679** (002758)  
Permits the move from composition to exposure to be achieved simply. The image is composed on the groundglass, the slide is removed, and the rollfilm or digital back moves into the film plane. Composition and focus can be rechecked easily by reversing this procedure. Can be adapted to Hasselblad or be combined with the multi adapter.  
**Item #.....T.B.A.**

**Hasselblad Adapter** (002760)  
For Rapid Change Adapter.  
**Item #.....T.B.A.**

**Multi Adapter** (002761)  
For Rapid Change Adapter.  
**Item #.....T.B.A.**

**Polaroid Back** (001692)  
**Item #.....T.B.A.**

**Basic Light Hood** (002763)  
**Item #.....T.B.A.**

**Magnifier Viewing System 6x6 Schneider** (002756)  
Permits the viewing of the 6x6 format with the magnifying factor of 3x. This accessory is inserted before the groundglass of the M679 Groundglass Back and firmly locked.  
**Item #.....T.B.A.**

**Magnifier Viewing Adapter 8x8 for Basic Light Hood** (002757)  
Used with the Basic Light Hood permitting viewing of the total groundglass area.  
**Item #.....T.B.A.**

**Right Angle Reflex Attachment** (002755)  
Offers an upright and unreversed image.  
**Item # LIVRM679.....737.95**

**Basic Compendium** (001939)  
Includes filter holder.  
**Item #.....T.B.A.**

**Pro Compendium** (001940)  
Includes filter holder, bellows and vignetting mask holder.  
**Item # LICPSM679.....1223.95**

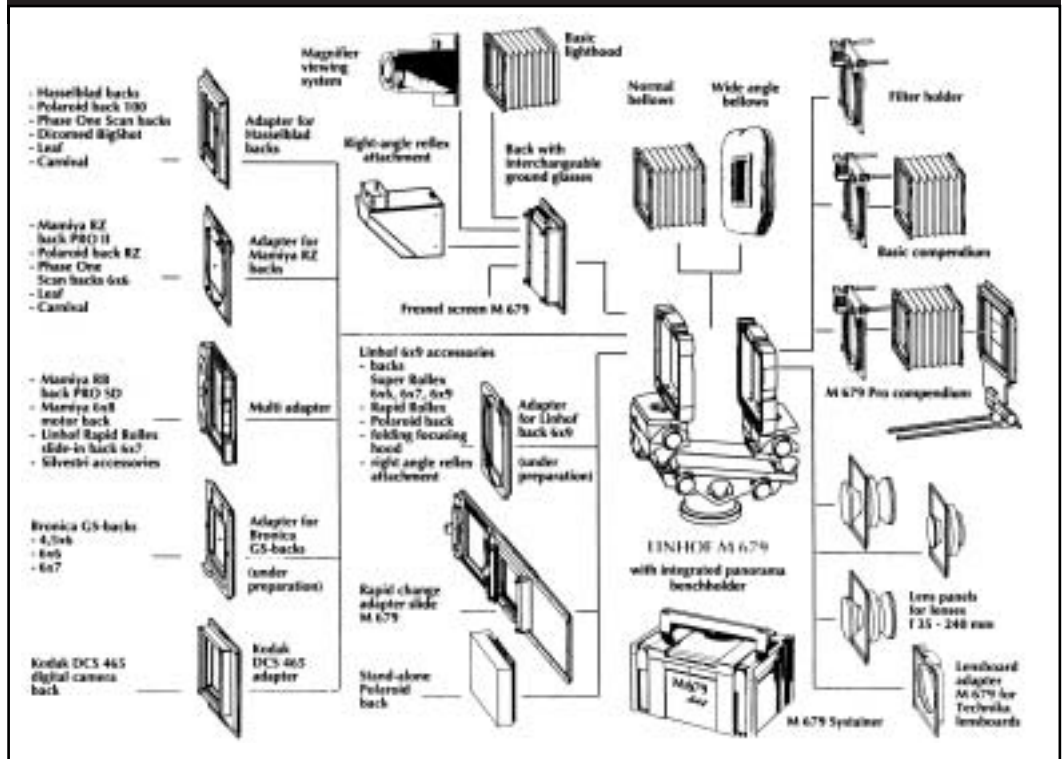
**Filter Holder** (001941)  
For 105mm and 4x4" filters.  
**Item # LIFHM679.....492.50**

**Leaf Filter Wheel Holder** (003904)  
**Item #.....T.B.A.**

**Adapter** (001693)  
For Grafflok type back 45 with Hasselblad.  
**Item #.....T.B.A.**

**M679 System Transportation System** (022491)  
Replacement.  
**Item #.....T.B.A.**

### M679 Accessories



## TECHNIKARDAN 23S 2 1/4 x 3 1/4" SYSTEM

*The ultra-compact Technikardan cameras perfectly unite the compactness of the classical Technika dropped system and the optical bench versatility of the Kardan series. Fully adjustable mid-size view camera, providing the economy and convenience of roll film use without the corrective restrictions of rigid medium format systems. Center swings and tilts for quick and convenient perspective corrections and instant depth-of-field control. Multi-profile, triple extension monorail, and precision-machined dovetail fittings for all movements which are positively secured with color-coded locks for smooth and rapid operation.*



### FEATURES

- Front and rear standards rotate 90° for vertical/horizontal and compact transportation position
- Quicklock 23 type groundglass back with lift-off levers
- Accepts all lenses in shutter on Technika style lensboards
- Sturdy L-brackets and zero click stops for swings and tilts assure perfect alignment under all operating conditions
- Shutter functions can be controlled behind the camera with Prontor TK lenses.
- Color coded locks for each movement
- The most compact of all monorail cameras
- On-axis tilts and swings
- Fully compatible with the complete Linhof system

*Linhof Technikardan 23S Camera (000107) shown with optional TK lens, lensboard, and Prontor shutter*

Linhof Technikardan 23S Camera (000107)  
Complete with:  
13" bellows, 13" rail front and rear L-standards with spirit levels, quick change 23 back (021806), groundglass (021807), and lensboard (001013).  
Item # LITK23S.....3,699.00

### TECHNIKARDAN 23S SPECIFICATIONS

#### TILTS:

Front: 360°; Rear: 360°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE & FALL (COMBINED):

Front: 2.75" (70mm);  
Rear: 2.75" (70mm)

#### LATERAL SHIFT:

Front: 3.25" (86mm);  
Rear: 3.25" (86mm)

#### CAMERA BACK:

Quick Change Back  
accepts Standard 6x9  
Cut Film Holders,  
Super Rollex and  
Cine Rollex Roll Film Backs

#### FOCUSING SCREEN:

6x9 Groundglass  
with Grid Lines

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

DRAW:  
2" (48mm) with  
Wide-Angle Bellows

MAXIMUM EXTENSION:  
13.4" (340mm)

MONORAIL LENGTH:  
13" (330mm)

LENSBOARD:  
Linhof Technika Type  
96x99mm

#### FOLDED DIMENSIONS:

3.7 x 6.3 x 8.3"  
(95 x 160 x 210mm)

#### OVERALL DIMENSIONS:

4.9 x 6.5 x 8.2"  
(125 x 165 x 210mm)

#### WEIGHT:

5.3lbs. (2300g)

*Subject to change without notice*



## TECHNIKARDAN 45S 4x5 SYSTEM

*Full format flexibility, from the standard roll film sizes up to 4x5" cut film, including the remarkable 6x12cm wide-field images and all the appropriate Polaroid film formats. Snap-on 45 type groundglass back for horizontal/vertical orientation. Interchangeable bellows. Center swings and tilts with zero click stops for instant camera alignment and for reliable perspective corrections with convenient depth-of-field control. Multi-profile, triple extension monorail, precision-machined dovetail fittings for all movements which are positively secured with color-coded locks for smooth, rapid operation.*



Linhof Technikardan 45S Camera (000108) shown with optional TK lens, lensboard and Prontor shutter

### FEATURES

- Front and rear standards rotate 90° for vertical/horizontal and compact transportation position
  - Quicklock 4x5 type groundglass back with lift-off levers
  - Accepts all lenses in shutter on Technika style lensboards
  - Shutter functions can be controlled behind the camera with Pronto TK lenses
  - Sturdy L-brackets and zero click stops for swings and tilts assure perfect alignment under all operating conditions
  - Color-coded locks for each movement
  - Fully compatible with complete Linhof system
  - The most compact of all 4x5 mono rail cameras
  - On-axis tilts and swings
  - Studio camera features in a field camera size
- Linhof Technikardan 45S Camera (000108)  
Complete with:  
19" bellows, 19" rail front and rear L-standard with spirit level, 4x5 back, groundglass (021804), and lensboard (001013).  
Item # LITK45S.....3,295.00
- The most compact of all 4x5 monorail cameras

### TECHNIKARDAN 45S SPECIFICATIONS

#### TILTS:

Front: 360°;  
Rear: 360°

#### SWINGS:

Front: 360°;  
Rear: 360°

#### RISE & FALL:

Front: 2.75" (70mm);  
Rear: 2" (51mm)

#### LATERAL SHIFT:

Front: 3.25" (86mm);  
Rear: 4.25" (108mm)

#### CAMERA BACK:

International Standard 4x5

#### FOCUSING SCREEN:

4x5 Groundglass with Grid Lines

#### INTERCHANGEABLE

#### BELLOWS:

Yes

#### MINIMUM BELLOWS

DRAW:  
2.8" (70mm) with Wide-Angle Bellows

#### MAXIMUM EXTENSION:

19" (485mm)

#### MONORAIL LENGTH:

19" (482mm)

#### LENSBOARD:

Linhof Technika Type  
96x99mm

#### FOLDED DIMENSIONS:

4.3 x 8.5 x 10"  
(110 x 215 x 255mm)

#### OVERALL DIMENSIONS:

5 x 8.5 x 10"  
(125 x 215 x 255mm)

#### WEIGHT:

6.4lbs (2900g)

*Subject to change without notice*

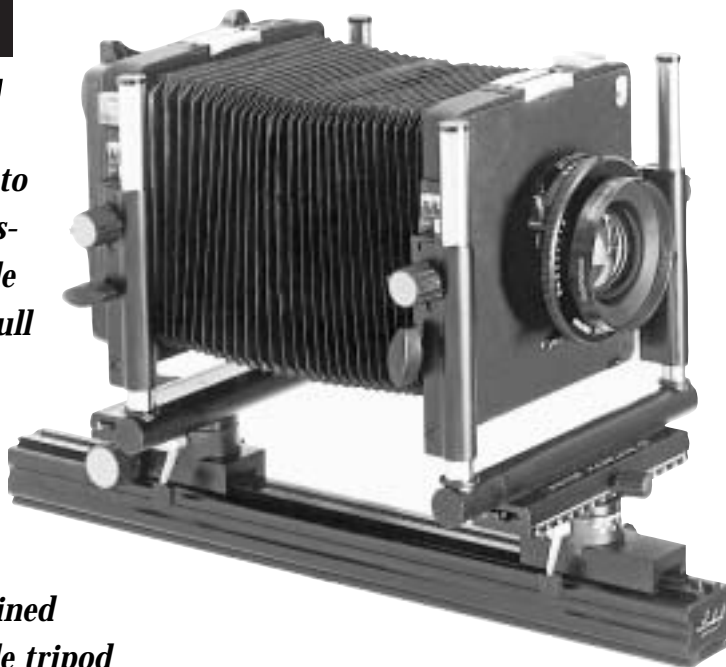
# L I N H O F

## KARDAN E45 4x5 SYSTEM

VIEW CAMERAS

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*The affordable view camera for the first step into the Linhof system, and the ideal entry to professional large format techniques. Interchangeable bellows for extended wide-angle capability. Full range of view camera movements for total image control. Center swings and tilts, plus direct shifts to the limits of the image field covered. The angle scales read to 70° with 1° division. Solid all-metal design for long service life and professional heavy-duty stability. Precision-machined monorail with special dovetail base, and movable tripod bushings for convenient positioning on all tripods and tripods heads. Millimeter scale on monorail for exact depth-of-field calculation.*



Linhof Kardan  
E45 (000100),  
shown with optional lens.

### FEATURES

- **Highly rigid, easy to use and lightweight**
- **Extensive direct displacement for shift operation**
- **Interchangeable bellows for full wide-angle capability**
- **Easy and rapid horizontal/vertical format adjustment**
- **Front and rear center axis tilts eliminate image and focus shift**
- **Stable, vibration-free design**
- **Ideal for students and beginning pros**
- **Folds flat to fit into a smaller case**
- **Affordable entry into the Linhof system with most of the features of more expensive models**

Linhof  
Kardan E Camera (000100)  
Complete with:  
18" (450mm) monorail, standard bellows, front and back standards, groundglass back with grid lines, and blank lensboard (001080).  
**Item #**  
**LIKE45.....1,999.00**

### KARDAN E45 SPECIFICATIONS

**TRI-AXIAL TILTS:**  
Front: 80°; Rear: 80°

**CENTER TILTS:**  
Front: 75°; Rear: 75°

**SWINGS:**  
Front: 360°; Rear: 360°

**RISE & FALL (COMBINED):**  
Front: 3.3" (84mm);  
Rear: 3.3" (84mm)

**LATERAL SHIFT:**  
Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

**CAMERA BACK:**  
International Standard 4x5"

**FOCUSING SCREEN:**  
4x5 Groundglass with Grid Lines

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
3" (7.5cm)  
with wide-angle bellows

**MAXIMUM EXTENSION:**  
20" (508mm)

**MONORAIL LENGTH:**  
Telescopes from 15-23"

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
Linhof Kardan Type  
162x162mm Flat or Recessed

**DIMENSIONS:**  
15 x 9.5 x 14"  
(380 x 240 x 355mm)  
L.W.H.

**WEIGHT:**  
8.6lbs (3.9kg)

*Subject to change without notice*

**We Exhibit at National and Regional Shows/Conventions**



# L I N H O F

## KARDAN GT45 4x5 SYSTEM

*Lightweight system camera for studio and location, combining the proven design details of the Kardan range with an innovative monorail and base tilt elements, providing tri-axial camera adjustments to yield yaw-free movements, both with direct and indirect displacements. The modular design concept, in conjunction with the ingenious telescoping monorail, guarantees outstanding stability and provides full format flexibility with rapid conversion to 5x7 and 8x10". Special dovetail fittings allow for sliding the entire monorail back and forth freely on all tripod heads, thus featuring full macro focusing capability and wide-angle efficiency, as no encircling clamp has to be used.*



Linhof Kardan GT 45 Camera (000087), shown with optional lens, and Prontor shutter.

VIEW CAMERAS

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### FEATURES

- Yaw-free with precise parallel alignment
- Scales for repeat settings and instant depth-of-field calculations
- Center axis swings and tilts for uncomplicated Scheimpflug adjustments
- Parallel locks on base tilt guarantees perfect camera alignment
- Upgradeable to 5x7 or 8x10 format
- Outstanding stability, yet the camera weighs under 10 lbs.
- Perfect for professional and amateurs alike
- Expanding monorail eliminates the need for costly add-on extensions
- Outstanding stability and full format flexibility
- Dovetail fittings fit full macro focusing capability

Linhof Kardan GT 45 4x5 View Camera (000087) Complete with 15-23" (380-585mm) telescoping monorail, front and interchangeable back standard, standard bellows, snap-on Kardan back with groundglass back, grid screen and blank lens-board (001080).  
Item # LIKGT45.....3,095.00

### KARDAN GT45 SPECIFICATIONS

#### TRI-AXIAL TILTS:

Front: 80°; Rear: 80°

#### CENTER TILTS:

Front: 75°; Rear: 75°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE & FALL (COMBINED):

Front: 3.3" (84mm);  
Rear: 3.3" (84mm)

#### LATERAL SHIFT:

Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

#### CAMERA BACK:

International Standard 4x5"

#### FOCUSING SCREEN:

4x5 Groundglass  
with Grid Lines

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

DRAW:  
3" (7.5cm)  
with wide-angle bellows

#### MAXIMUM EXTENSION:

20" (508mm)

#### MONORAIL LENGTH:

Telescopes from 15-23"

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Linhof Kardan Type  
162x162mm Flat or  
Recessed

#### DIMENSIONS:

15 x 9.5 x 14" (380 x 240 x  
355mm) L.W.H.

#### WEIGHT:

9.7 lbs. (4.4kg)

Subject to change without notice



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## KARDAN GTI 45 4x5 SYSTEM

*Modular multi-function monorail camera systems for all professional formats and all focal lengths lenses, from extreme tele (1200mm) to ultra short wide-angle (47mm). Based on the Kardan GT design (the "I" of GTI stands for infinity, but also marks the infinite versatility of this camera), this modular system actually consists of four individual camera configurations, each offering perfect solutions for long tele shots, flexible studio and location shooting and extreme wide-angle applications.*



### FEATURES

- **Excellent stability**
  - **Lightweight construction, easy to carry**
  - **Folds into flat carrying case**
  - **Upgradeable to 5x7 format**
  - **All features of GT 4x5**
  - **Yaw-free with precise parallel alignment**
  - **Scales for repeat settings and instant depth-of-field calculations**
- Kardan GTI 45 (000102)  
Complete with multi-profile monorail 24-41" (61-104cm), front and rear interchangeable back standards 45, groundglass back 45, 2 normal 20" (500mm) bellows, auxiliary standard, bellows support, and blank lensboard (001080).  
Item # LIKGTI45 .....4,099.00
- **Center axis swings and tilts for uncomplicated Scheimpflug adjustments**
  - **Parallel locks on base tilt guarantees perfect camera alignment**

### KARDAN GTI 45 SPECIFICATIONS

**TRI-AXIAL TILTS:**  
Front: 80°; Rear: 80°

**CENTER TILTS:**  
Front: 75°; Rear: 75°

**SWINGS:**  
Front: 360°; Rear: 360°

**RISE & FALL (COMBINED):**  
Front: 3.3" (84mm);  
Rear: 3.3" (84mm)

**LATERAL SHIFT:**  
Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

**CAMERA BACK:**  
International Standard  
4x5"

**FOCUSING SCREEN:**  
4x5 Groundglass  
with Grid Lines

**INTERCHANGEABLE BELLOWES:**  
Yes

**MINIMUM BELLOWES  
DRAW:**  
3" (7.5cm) with wide  
angle bellows

**MAXIMUM EXTENSION:**  
40" (1000mm)

**MONORAIL LENGTH:**  
Telescopes from 24-41"  
(61-104cm)

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
Linhof Kardan Type  
162x162mm Flat or  
Recessed

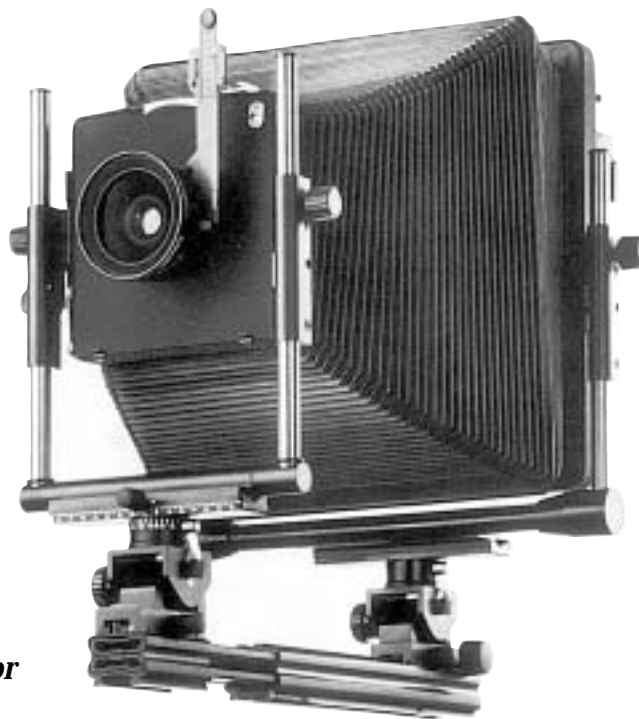
**WEIGHT:**  
20 lbs. (8.8kg)

*Subject to change without notice*

# LINHOF

## KARDAN GT810 8x10 SYSTEM

*The superior alternative for studio and location, with the same basic features as the smaller GT 45. Precision engineered for unsurpassed rigidity and long service life. All locking systems are user-serviceable to maintain factory-adjusted smoothness of all movements and freedom from play, even after years of rugged use. In spite of its lightweight design, the Kardan GT 8x10 is the ideal mobile large format system camera with multi-format flexibility. Pre-calibrated zero locks and tilt detentes for a highly efficient and speedy camera operation, base tilt locks for yaw-free direct and indirect displacements.*



*Linhof Kardan GT 810 (000089) shown with optional lens, and aperture control*

VIEW CAMERAS

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### FEATURES

- **Yaw-free with precise parallel alignment**
- **Center swings and tilts for uncomplicated Scheimpflug adjustments**
- **Precise and convenient depth-of-field calculation, even in the macro**
- **Parallel locks on base tilt guarantees perfect camera alignment**
- **Instant change to smaller formats either through reducing backs or complete conversion kits**
- **User-serviceable locking systems**
- **Combines lightweight construction with optimum sturdiness**
- **Precision engineered for unsurpassed rigidity and long life**
- **Superior alternative for studio and location due to its relative light weight**

Linhof  
Kardan GT 810 (000089)  
Complete with:  
Telescoping monorail 23.5-32" (600-800mm), front and rear standards with spirit levels, double conical bellows 29.5 (750mm), 8x10 back, groundglass and lensboard (001080).  
Item #  
**LIKGT810.....4,995.00**

### KARDAN GT810 SPECIFICATIONS

#### TRI-AXIAL TILTS:

Front: 80°; Rear: 80°

#### CENTER TILTS:

Front: 75°; Rear: 75°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE & FALL (COMBINED):

Front: 6.3" (160mm);  
Rear: 6.3" (160mm)

#### LATERAL SHIFT:

Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

#### CAMERA BACK:

International Standard  
8x10"

#### INTERCHANGEABLE

#### BELLOWS:

Yes

#### MINIMUM BELLOWS

#### DRAW:

3.5" (9cm)  
with wide-angle bellows

#### MAXIMUM EXTENSION:

19.5" (749mm)

#### MONORAIL LENGTH:

Telescopes from 23.5-32"

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Linhof Kardan Type  
162x162mm Flat or Recessed

#### DIMENSIONS:

23.5 x 17 x 19.5"  
(600 x 435 x 495mm) L.W.H.

#### WEIGHT:

16.5 lbs. (7.5kg)

*Subject to change without notice*



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## KARDAN MASTER GTL 45 4x5 SYSTEM

*The most sophisticated and technically perfect monorail system in the Linhof line. A superbly engineered heavy duty studio camera with all the proven advantages of the Kardan design principle, and the added convenience of yaw-free direct and indirect parallel shifts. The modular Kardan GTL combines maximum stability with extended adjustment facilities and extremely smooth movements. Solid brass micro drives offer the greatest amount of corrective control of any camera system available today. In spite of their traditional look, L-shaped view cameras represent a generational advance in camera design and unprecedented levels of technical excellence.*



*Linhof Kardan Master GTL 45 Camera (000097) shown with optional lens and aperture control*

### FEATURES

- Yaw-free indirect displacements with inclined monorail
- Spirit level on rear standard
- Upgradeable to 5x7 and 8x10 format
- Rigid extending telescopic monorail 18-25"
- L-bracket design for easy access to swings and tilts
- Top-of-the-line, heavy-duty studio camera will give many years of trouble-free service
- Precise and convenient depth-of-field calculation, even in the macro
- Folds flat to fit into a smaller case
- On-axis tilts and swings
- Freely adjustable, asymmetrical "floating" tilt axis on the rear standard allows the use of the "two point focusing system" on AMS models

Linhof Kardan Master GTL 45 Camera (000090)  
Complete with:  
telescoping monorail 18-25" (450-625mm), L-type front and back standards with spirit levels, normal bellows 20" (500mm), snap-on auto back groundglass back, and blank lensboard (001080).  
**Item # LIKGT45Q.....5,395.00**

Linhof Kardan Master GTL 45 AMS Camera (000097)  
**Item # LIKMGTL45..7,599.00**

### KARDAN MASTER GTL45 SPECIFICATIONS

**CENTER TILTS:**  
Front: 360°; Rear: 360°

**TRI-AXIAL TILTS:**  
Front: 80°; Rear: 80°

**SWINGS:**  
Front: 360°; Rear: 360°

**RISE & FALL (COMBINED):**  
Front: 7.9" (200mm);  
Rear: 4.9" (125mm)

**LATERAL SHIFT:**  
Front: 4" (100mm);  
Rear: 4" (100mm)

**CAMERA BACK:**  
International Standard 4x5"

**FOCUSING SCREEN:**  
4x5 Groundglass  
with Grid Lines

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
3" (7.5cm)  
with wide-angle bellows

**MAXIMUM EXTENSION:**  
22.6" (575mm)

**MONORAIL LENGTH:**  
Telescopes from 18-25"

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
Linhof Kardan Type  
162x162mm Flat or  
Recessed

**FOLDED DIMENSIONS:**  
17.7 x 11.2 x 17.5"  
(450 x 285 x 445mm)

**WEIGHT:**  
18.25 lbs. (8.3kg)

*Subject to change without notice*



# LINHOF

## KARDAN MASTER GTL 810 8x10 SYSTEM

*The advanced engineering and superb craftsmanship of the Kardan GTL designs is further perfected in the 8x10 model which features even more mechanical refinements to cope with the added stability requirements of this large format. This is the ideal modular system for heavy duty professional use. In addition to all the standard GTL features, the 8x10 version is equipped with extra solid brass geared rack and pinion drives for cross shifts and rise on front and rear standards, with an adjustable one-way brake for optimum load compensation.*

### FEATURES

- **Yaw-free indirect displacement with inclined monorail**
- **Interchangeable to 5x7 or 4x5**
- **Rigid extending telescopic monorail 30-36"**
- **Spirit level on rear standard**
- **L-Bracket design for easy accessibility to swings and tilts**
- **Precise and convenient depth-of-field calculation, even in the macro**
- **Folds flat to fit into a smaller case than many other 8x10 cameras**
- **Top-of-the-line, heavy-duty studio camera will give many years of trouble-free service**
- **On-axis tilts and swings**

Linhof Kardan Master GTL 810 Camera (000092)  
Complete with:  
heavy-duty telescoping monorail 25-35" (63-90cm), L-type front and rear standards, bellows support, double conical bellows 810 34" (87cm), 8x10 groundglass back groundglass, and blank lensboard (001080).  
**Item # LIKGTL810.....9,999.00**



Linhof Kardan Master GTL 810 Camera (000092)  
shown with optional lens and aperture control

VIEW CAMERAS

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## KARDAN MASTER GTL810 SPECIFICATIONS

### CENTER TILTS:

Front: 360°; Rear: 360°

### TRI-AXIAL TILTS:

Front: 80°; Rear: 80°

### SWINGS:

Front: 360°; Rear: 360°

### RISE & FALL (COMBINED):

Front: 7.9" (200mm);  
Rear: 3.7" (93mm)

### LATERAL SHIFT:

Front: 4" (100mm);  
Rear: 4.3" (110mm)

### CAMERA BACK:

International Standard  
8x10"

### FOCUSING SCREEN:

8x10 Groundglass  
with Grid Lines

### INTERCHANGEABLE BELLOWS:

Yes

### MINIMUM BELLOWS DRAW:

3.5" (9cm)  
with wide-angle bellows

### MAXIMUM EXTENSION:

29.9" (760mm)

### MONORAIL LENGTH:

Telescopes from 30-36"

### YAW-FREE BASE TILT:

Yes

### LENSBOARD:

Linhof Kardan Type  
162x162mm Flat or  
Recessed

### FOLDED DIMENSIONS:

24.8 x 16.7 x 24"  
(630 x 425 x 610mm)

### WEIGHT:

28.75lbs (13kg)



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### BODY ACCESSORIES

#### Bellows

**2x3 Standard Bellows** (002725)  
13" normal bellows for  
Technikardan 23.  
(Replacement.)  
**Item # LIBNTK23 .....228.50**

**2x3 Wide-Angle  
Bellows** (002724)  
For Technikardan 23.  
**Item # LIBWATK23.....242.95**

**4x5 Standard Bellows** (002726)  
19" normal bellows for  
Technikardan 45.  
(Replacement.)  
**Item # LIBNTK45 .....566.95**

**4x5 Wide-Angle  
Bellows** (002723)  
For Technikardan 45.  
**Item # LIBWATK45.....312.95**

**4x5 Standard Bellows** (002737)  
Standard bellows for discontinued Kardan ST-E.  
**Item # LIBNKSTE45.....377.95**

**4x5 Wide-Angle  
Bellows** (002731)  
Wide-angle bellows for discontinued Kardan ST-E.  
**Item # LIBWAKSTE45...526.50**

**4x5 Standard Bellows** (002714)  
20" standard bellows for all Kardan 4x5 cameras, except ST-E. Also used to add bellows extension with optional auxiliary standard. (Replacement.)  
**Item # LIBNKGTL45 .....421.95**

**4x5 Wide-Angle  
Bellows** (002584)  
8.5" wide-angle bellows for all Kardan 4x5 cameras, except ST-E. Also used to add bellows extension with optional auxiliary standard.  
**Item # LIBWAKGTL45 ..603.95**

**5x7 Standard Bellows** (002590)  
21.5" normal bellows for all 5x7 cameras.  
**Item # LIBNK57.....869.95**

**5x7 Wide-Angle Bellows** (002591)  
13" (330mm) wide-angle bellows for all 5x7 cameras.  
**Item # LIBWAKGTL57 ..967.50**

**8x10 Standard Bellows** (002697)  
18.4" normal bellows for all 8x10 cameras.  
**Item # LIBNK810.....967.50**

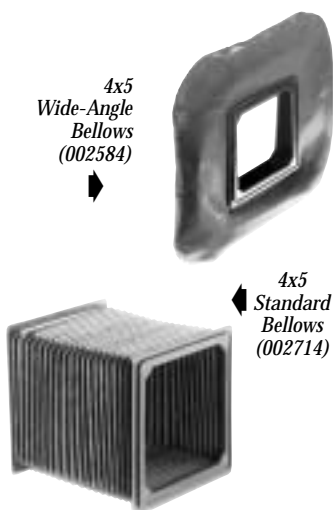
**8x10 Standard Conical Bellows** (002696)  
30" (750mm) double conical bellows for all 8x10 cameras.  
**Item # LIBDCKGTL810 ...1,772.95**

**8x10 Standard Bellows** (002739)  
34" (870mm) normal bellows for all 8x10 cameras.  
**Item # LIBNKGTL810 ..1,904.95**

**8x10 Wide-Angle Bellows** (002619)  
13" (330mm) wide-angle bellows for all 8x10 cameras.  
**Item # LIBWAKGT810..1,144.95**

**Bellows Support** (002733)  
For Kardan GT.  
**Item # LIBSKGT.....216.95**

**Bellows Support** (002728)  
For Kardan GTL.  
**Item # LIBSKGTL .....216.95**



#### Camera Extensions

Kardan cameras can be extended for extreme telephoto or close-up work. The following cameras can be extended.

Camera	From Maximum Extension	To Maximum Extension	Items to Purchase
GT 45	20" (500mm)	32" (800mm)	#1, 3, 5 and 6
GT 57	20" (500mm)	32" (800mm)	#1, 3, 5 and 6
GTL 45	22" (575mm)	36½" (925mm)	#2, 4 and 5
GTL 57	22" (575mm)	36½" (925mm)	#2, 4, 5 and 7
GTL 810	30" (760mm)	46" (1160mm)	#2, 4, 5 and 7

**#1 Long  
Monorail GT** (002730)  
From 24-32" (600-800mm).  
**Item # LIMRLKGT.....509.95**

**#2 Long Monorail  
GTL 900mm** (002738)  
**Item # LIMRLKGTLQ....292.50**

**#3 Auxiliary  
Standard GT** (002683)  
**Item # LISAKGT.....452.50**

**#4 Auxiliary Standard** (002708)  
**Item # LISAKGTL.....646.95**

**#5 4x5 Standard Bellows** (002714)  
For additional bellows extension.  
**Item # LIBNKGTL45.....421.95**

**#6 Bellows Support GT** (002733)  
**Item # LIBSKGT.....216.95**

**#7 Bellows Support GTL** (002728)  
**Item # LIBSKGTL.....216.95**

#### Macro Support Brackets

These tele-macro rails stabilize the camera when extremely extended.

**Macro Support Bracket** (002740)  
For Technikardan 23.  
**Item # LIBMSTK23.....299.50**

**Macro Support Bracket** (002741)  
For Technikardan 45.  
**Item # LIBMSTK45.....299.50**

#### Camera Backs

All cameras come with camera backs. However, when format conversion or format reducing is desired, a camera back must be purchased.

**45 Groundglass Back** (001630)  
For Kardan 4x5 cameras.  
Consists of snap-on camera frame, groundglass and removable groundglass frame with spring-back system.  
**Item # LIBGGFK45 ....1,034.50**

**45 Auto  
Groundglass Back** (001677)  
For Kardan 4x5 cameras.  
Same as above. For film holder controlled shutter operation (Prontor self-cocking shutters).  
**Item # LIABGGFK45..1,144.95**

**57 Groundglass Back** (001634)  
For Kardan 5x7 cameras.  
Same as 45 groundglass back.  
**Item # LIBGGFK57 ....1,177.95**

**57 Groundglass Back** (001681)  
For Kardan 57 cameras. Same as 45 Auto Groundglass Back.  
**Item # LIABGGFK57 ...1,288.50**

**810 Auto  
Groundglass Back** (001687)  
For Kardan 8x10 cameras.  
Same as 45 Auto Groundglass Back (001677).  
**Item # LIABGGFK810 ..2,069.95**



### BODY ACCESSORIES, cont.

#### Format Conversion

##### Conversion Kit

GT 45/810 to 5x7 (002712)

Converts Kardan GT 4x5 or Kardan GT 810/GTL 810 to 5x7. Consists of 5x7 standard bellows (002590), GT 5x7 rear standard U-frame and 5x7 groundglass back.

Item #

**LICK4557KGTL.....2,855.95**

##### Conversion Kit

GT 45/57 to 8x10 (002732)

Consists of 8x10 Standard bellows (002739), 8x10 rear standard frame, 8x10 groundglass back and long GT monorail 800mm.

Item #

**LICK45810KGT.....4,799.95**

##### Conversion Kit

GT 57/810 to 4x5 (002713)

Converts Kardan GT 5x7 or Kardan GT 810/GTL 810 to 4x5. Consists of 4x5 standard bellows (002714), rear U-frame GT 45 and Kardan groundglass back 4x5.

Item # **LICK5745KGT..2,531.95**

##### Conversion Kit

Kardan GTL 45 to 5x7 (002700)

Converts Kardan GTL 4x5 to 5x7.

Item #

**LICK4557KGTQ.....2,542.95**

##### Conversion Kit

Kardan GTL 45/57

to 8x10 (002736)

Converts Kardan GTL 4x5 or 5x7 to 8x10..

Item # **LICK45810KGQ ..8,839.95**

##### Conversion Kit

Kardan 57 to 4x5 (002702)

Converts Kardan GTL 5x7 to 4x5.

Item # **LICK5745KGTL...1,639.95**

*For Reducing Backs,  
see Back Accessories.*



### VIEWING ACCESSORIES

#### Multifocus Optical Viewfinder

A truly versatile accessory which not only determines with accuracy the selected picture area, but can also be used to determine the focal length if the location is already known. The photographer can use the viewfinder by itself to establish the focal length and selected picture area by turning the focal length ring. The Multifocus Optical Viewfinder is also used to determine the correct place for the camera. If focal length and image field have already been determined, it is easy to find the correct place for the camera with the aid of the viewfinder, which means that it is not necessary to keep moving the camera and tripod.

##### 23 Multifocus Finder (001388)

Distance scale in feet. Includes 6x9 mask for Super Technika 23 and other 2x3 cameras.

Item # **LIFMF23 .....1,398.50**

##### 45 Multifocus Finder (001378)

With 4x5 mask for Master Technika 45 and other 4x5 cameras.

Item # **LIFMF45 .....1,398.50**

##### 9x12cm Mask (001379)

For 45 Multifocus Finder.

Item # **LIM912MFF45...125.95**

##### 612 Mask (001444)

6x12cm mask for 45 Multifocus Finder.

Item # **LIM612MFF45...125.95**

##### 23 Mask (001381)

6x9cm mask for 45 Multifocus Finder.

Item # **LIM69MFF45.....125.95**

##### 67 Mask (001382)

6x7cm mask for 45 Multifocus Finder.

Item # **LIM67MFF45.....125.95**



*Multifocus  
Finder  
(001388)  
(001378)*

##### 66 Mask (001383)

6x6cm mask for 45 Multifocus Finder.

Item # **LIM66MFF45.....119.50**

##### 45 Mask (001385)

4x5~ mask for 45 Multifocus Finder. (Replacement.)

Item # **LIM45MFF45.....125.95**

##### Polaroid Mask (001386)

For 45 Multifocus Finder.

Item # **LIMPMFF45.....125.95**

##### 66 Mask (001396)

6x6cm mask for 23 Multifocus Finder.

Item # **LIM66MFF23.....119.50**

##### 67 Mask (001397)

6x7cm mask for 23 Multifocus Finder.

Item # **LIM67MFF23.....125.95**

#### Groundglass



*45 Auto  
Groundglass  
Frame (001639)*

##### 23 Groundglass (021807)

For TK 23. With grid lines and scoring. For 6x7cm. (Replacement.)

Item # **LIGGG23 .....38.95**

##### 23 Groundglass (021813)

For TK 23. With grid lines and scoring. For 6x7 and 6x9.

Item # **LIGGCS23 .....43.50**

##### 45 Groundglass (021805)

For Kardan 4x5 cameras. With grid lines and scoring. For 6x7cm. (Replacement.)

Item # **LIGGG45 .....49.95**

##### 45 Groundglass AMS (021831)

For Kardan 4x5 AMS cameras. With grid lines and 4x5 scoring.

Item # **LIGG45KMGTL...49.95**

##### 45 Groundglass (021812)

For Kardan 4x5 cameras. Grid lines and scoring. For 6x12cm.

Item # **LIGGCS45 .....57.95**

##### 45 Groundglass

with Center Cross (021824)

For Kardan 4x5 cameras. For macro photography.

Item # **LIGGMG45.....49.95**

##### 4x5 Groundglass Frame (001615)

For Kardan 4x5 cameras. With spring-loaded retaining clips and groundglass (021805).

Item # **LIGGFK45 .....509.95**

##### 45 Auto Groundglass Frame (001639)

Same as above. For film holder controlled shutter operation (Prontor self-cocking shutter).

Item # **LIGGFABK45.....474.95**

##### 57 Groundglass (021802)

For Kardan 5x7 cameras. With grid lines and scoring.

Item # **LIGGG57 .....66.50**

##### 57 Groundglass

with Center Cross (021808)

For Kardan 5x7 cameras. Clear center spot and 5x7 scoring.

Item # **LIGGCS57 .....69.95**

##### 57 Groundglass AMS (021830)

For Kardan 5x7 AMS cameras. With grid lines and 5x7 scoring.

Item # **LIGG57KMGTL...68.95**

##### 810 Groundglass

with Center Cross (021816)

For Kardan 8x10 cameras. Clear center spot and 8x10 scoring.

Item # **LIGGG810 .....94.50**



### VIEWING ACCESSORIES, *continued*

#### Fresnel Lenses

Highly useful accessory which increases the corner brightness of the groundglass image by about 4x. Recommended for wide-angle lenses and reflex mirror usage. Mandatory for accurate exposure readings with the focusing/measuring bellows.

**Fresnel Screen 23** (002566)  
For all 2x3 cameras.  
**Item # LIF23.....164.95**

**45 Fresnel Screen** (002522)  
For all 4x5 cameras.  
**Item # LIF45.....204.50**

**57 Fresnel Screen** (021822)  
For all 5x7 cameras.  
**Item # LIF57.....228.50**



**810 Fresnel Screen** (022561)  
For all 8x10 cameras.  
**Item # LIF810.....307.95**

#### Super Screen

A super-bright viewing system for 4x5 cameras. The one-piece Super Screen replaces both the groundglass and the fresnel screen currently used with view cameras. The Super Screen features an amazingly bright image (up to 50% brighter than other intensified screens) without the "Hot Spot" or "blackout" normally associated with intensified viewing systems.

**45 Super Screen** (052522)  
**Item # LISS45.....79.95**

**Grid Overlay** (052523)  
For 4x5 Super Screen.  
**Item # LIOLSS45.....27.50**

#### Focusing Hoods

Detachable, folding focusing hoods serve as light shields and protective covers for the groundglass. Spring-loaded retaining hinge and retaining clip for darkslide.

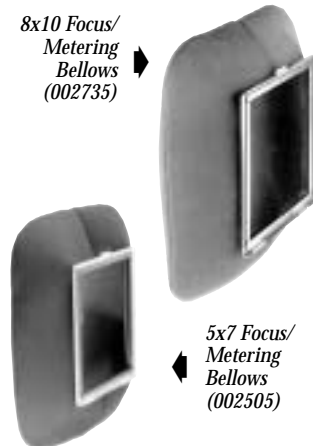
**23 Folding Focusing Hood** (001613)  
For 2x3 cameras. With metric depth-of-field table.  
**Item # LIFFH23.....324.95**

**45 Focusing Hood** (001612)  
For 4x5 Cameras. With feet depth-of-field table.  
**Item # LIFFH45.....439.95**

**57 Folding Focusing Hood** (021822)  
For 5x7 cameras. With metric depth-of-field table.  
**Item # LIF57.....228.50**

**23 Right Angle Reflex Attachment** (002629)  
With 4-way adjustable reflex housing, for vertical and horizontal viewing. Ideal for critical observation of the entire groundglass image. Shows upright image. Includes 2x magnifier covers for groundglass area.  
**Item # LIFR23.....508.50**

8x10 Focus/  
Metering  
Bellows  
(002735)



5x7 Focus/  
Metering  
Bellows  
(002505)

**45 Right Angle Reflex Attachment** (002628)  
Same as above.  
For 4x5 cameras.  
**Item # LIFR45.....764.95**

**57 Right Angle Reflex Attachment** (002507)  
With fixed reflex housing for vertical viewing. Built-in 2x magnifier covers full groundglass area.  
**Item # LIFR57.....713.50**

**23 Focus/Metering Bellows** (002504)  
For 2x3 cameras. Dual magnifier with spring-loaded retaining hinge and built-in 2x magnifier for overall view of groundglass image. Additional 2x magnifier allows critical focusing of selected areas. Also used as metering bellows in conjunction with Luna-Pro (Luna-Six) and Luna-Pro SBC (Profisix) exposure meters.  
**Item # LIBFM23 .....609.95**

**45 Focus/Metering Bellows** (002503)  
Same as above.  
For 4x5 cameras.  
**Item # LIBFM45 .....634.95**

**57 Focus/Metering Bellows** (002505)  
Same as above.  
For 5x7 cameras.  
**Item # LIBFM57 .....762.95**

**810 Focus/Metering Bellows** (002735)  
Same as above.  
For 8x10 cameras.  
**Item # LIBFM810 .....779.95**

#### Miscellaneous Viewing Accessories

**8x Focusing Magnifier** (002645)  
With transparent tube, for non-transparent objects.  
**Item # LIL8X .....189.95**

**Spirit Level** (002599)  
Clear plexiglass dual level for horizontal and vertical levelling.  
**Item # LISL .....55.95**



### BACK ACCESSORIES

#### Reducing Backs

**810 to 45 Reducing Frame** (001672)  
Fits Kardan 8x10 cameras. Includes Graflock-type fittings to accept 4x5 cut film holders, polaroid 4x5 backs and 4x5 super Rollex backs. Additional use of groundglass frame (001615) for framing and focusing is required.  
**Item # LIRF81045K.....982.50**

**810 to 57 Reducing Frame** (001659)  
Fits Kardan 8x10 cameras made after 1968. Additional use of 5x7 groundglass back (001634 or 001681) is required to accept 5x7 film holders.  
**Item # LIRF81057K.....978.50**



57 to 45 Reducing Frame (001636)

**57 to 45 Reducing Frame** (001636)  
Fits Kardan 5x7 cameras. Additional use of 4x5 groundglass back (001630 or 001677) is required to accept 4x5 film holders or backs.  
**Item # LIRF5745K.....755.95**

**57 to 45 Polaroid Reducing Back** (001558)  
Allows direct insertion of Polaroid 545 backs onto 5x7 cameras.  
**Item # LIPA54557 .....509.95**

#### 2x3 Polaroid Back

**Polaroid Back 23** (001666)  
Modified 405 back. Fits Polaroid 600 series film.  
**Item # LIFBP23 .....788.50**



### BACK ACCESSORIES, *continued*

#### Rollfilm Backs for 2x3 Cameras

**6x6 Super Rollex Film Back** (001526)  
With rapid winding lever, in conjunction with a sophisticated ball-bearing freewheel transport system, automatic film counter, note pad and clip for film tag. 120 film, 6x6cm, 12 exposures.  
**Item # LISR6612023 1,817.50**

**6x7 Super Rollex Film Back** (001460)  
120 film, 6x7cm, 10 exposures.  
**Item # LISR6712023 1,817.50**

**6x7 Super Rollex Film Back** (001465)  
220 film, 6x7cm, 20 exposures.  
**Item # LISR6722023 1,817.50**

**6x9 Super Rollex Film Back** (001524)  
120 film, 6x9cm, 8 exposures.  
**Item # LISR6912023 1,817.50**

**6x7 Rapid Rollex Film Back** (001566)  
120 film, 6x7cm, 10 exposures. Slide-in film holder fits between groundglass and camera, same as cut film holder. Camera back is not removed.  
**Item # LIRR6723.....1,177.95**

**70mm Cine Rollex Film Back** (001457)  
53 exposures on 70mm perforated film, with automatic exposure counter and film winding lever. Film is spooled from one daylight loading cartridge into the other. No rewinding, which greatly minimizes the risk of film scratches. Mounts on camera without film back. Supplied with two empty 70mm cartridges (022508).  
**Item # LICR6723.....2,389.50**

**70mm Cassette** (022508)  
(Replacement for above.)  
**Item # LIC70CR .....69.95**



6x9 Super Rollex Film Back (001524)



6x7 Super Rollex Film Back (001460)

**70mm Reel** (022510)  
(Replacement for above.)  
**Item # LICR70 .....22.95**

**70mm Cartridge Case** (022509)  
For 70mm cassette.  
**Item # LICC70 .....66.50**

**Storage Box** (022511)  
For two 70mm cassettes.  
**Item # LISC70.....57.95**

**Hasselblad Film Back Adapter** (001565)  
With this adapter, Hasselblad film backs can be used on all 2x3 cameras.  
**Item # LIFBAHTK23 ...567.95**

**Bronica G Film Back Adapter** (001685)  
Enables Bronica GS-1 backs to be used on all 2x3 cameras.  
**Item # LIFBAB .....614.50**

#### Rollfilm Backs for All Standard 4x5 Camera Backs

Super Rollex 45 Backs for all standard 4x5 camera backs. With rapid winding lever and a sophisticated ball-bearing freewheel transport system.



6x7 Super Rollex Film Back (001464)

**6x6 Super Rollex Film Back** (001527)  
120 film, 6x6cm, 12 exposures (2 1/4 x 2 1/4").  
**Item # LISR6612045...1,817.50**

**6x7 Super Rollex Film Back** (001459)  
120 film, 6x7cm, 10 exposures (2 1/4 x 2 1/4").  
**Item # LISR6712045...1,817.50**

**6x7 Super Rollex Film Back** (001464)  
220 film, 6x7cm, 20 exposures (2 1/4 x 2 1/4").  
**Item # LISR6722045...1,817.50**

**6x9 Super Rollex Film Back** (001523)  
120 film, 6x9cm, 8 exposures (2 1/4 x 3 1/4").  
**Item # LISR6912045...1,817.50**

**6x7 Rapid Rollex Film Back** (001567)  
120 film, 6x7cm (2 1/4 x 2 1/4") slide-in roll film holder. Fits between groundglass and camera, same as cut film holder. Camera back is not removed.  
**Item # LIRR6745.....1,177.95**

**35mm Super Rollex Film Back** (001568)  
35mm film, 24 x 36mm, 30 exposures.  
**Item # LISR3545.....1,817.50**

**6x12 Techno Rollex Film Back** (001560)  
120 film, 6x12cm, 6 exposures (2 1/4 x 4 1/4").  
**Item # LITR61245.....2,917.95**

**70mm Cine Rollex 6x7 Film Back** (001456)  
53 exposures, 2 1/4 x 2 1/4"/6x7cm on 70mm perforated film, with automatic exposure counter and film winding lever. Film is spooled from one daylight loading cartridge into the other. No rewinding, which greatly minimizes the risk of film scratches. Supplied with 2 empty 70mm cartridges (022508).  
**Item # LICR6745 .....2,389.50**



70mm Cine Rollex 6x7 Film Back (001456)

**Super Rollex Insert** (001528)  
12 exposures, 2 1/4 x 2 1/4"/6 x 6cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LIH66120SR .....1,254.95**

**Super Rollex Insert** (001467)  
10 exposures, 2 1/4 x 2 1/4"/6 x 7cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LIH67120SR .....1,254.95**

**Super Rollex Insert** (001525)  
8 exposures, 2 1/4 x 3/4"/6 x 9cm. (Replacement for 23 and 45 film backs for 220 film.)  
**Item # LIH69120SR .....1,254.95**

**Super Rollex Insert** (001462)  
20 exposures, 2 1/4 x 2 1/4"/6 x 7cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LIH67220SR .....1,254.95**

**6x12 Techno Rollex Film Insert** (001562)  
For 220 film, 12 exposures, 2 1/4 x 4 1/4"/6 x 12cm.  
**Item # LIITR .....464.50**



### BACK ACCESSORIES, *continued*

#### 70mm Accessories

**70mm Cartridge with Reel** (022508)  
**Item # LIC70CR.....69.95**

**70mm Reel** (022510)  
(Replacement for 022508  
70mm Cartridge with Reel.)  
**Item # LICR70.....22.95**



**70mm Cartridge Case** (022509)  
For 70mm cassette.  
**Item # LICC70.....66.50**

**Storage Box** (022511)  
For two 70mm cassettes.  
**Item # LISC70.....57.95**

**Bulk Film Loader**  
for 70mm Film (002513)  
For spooling 70mm film in cassette.  
**Item # LIBFL70.....833.95**

*Bulk  
Film Loader  
for 70mm Film (002513)*

#### Film Plane Metering

Using the focusing/metering bellows (*see View Accessories*), TTL metering can be achieved together with a handheld Gossen Luna-Pro, Luna-Pro F, Luna-Pro S and Luna-Pro SBC. This system provides a highly accurate average reading, as well as semi-spot readings of selected image portions, taking into account such variables as subject brightness, filter factor and bellows extension. For correct results, a fresnel screen or super screen should be used.

**Adapter for Gossen Luna-Pro** (002581)  
Also for Gossen Luna-Pro S  
and Luna-Pro F.  
**Item # LIGA.....134.95**

**Adapter for  
Gossen Luna-Pro  
SBC** (002710)  
**Item # LIGLSA.....134.95**

**Luna Pro S** (4020)  
Provides accurate reflected or incident light readings in all kinds of light, from a flickering candle to a bright summer's sun. As a system meter, it will provide correct exposures in any situation. Wide range of optional accessories further increase versatility.  
**Item # GOLPS.....199.95**

**Luna Pro F** (4030)  
Measures both continuous light and flash. A silicon blue sensor for instantaneous reading of high and low light levels. Incorporates a null meter readout. Determines scene brightness range and lighting ratios, which can be read directly from the meter at any light level.  
**Item # GOLPF.....289.95**

**Luna Pro SBC** (4025)  
Reads accurately down to -4 EV for extreme low light capability. It also provides  $\pm 3$  f-stop scale for direct read-out of brightness range, Zone System values and lighting ratios.  
**Item # GOLPSBC.....251.95**



### FRONT ACCESSORIES

#### Bellows Hoods (Compendium Lens Shade)

Bellows hoods are used to eliminate unwanted glare. They accept 4x4" (10x10cm) gels, are horizontally and vertically adjustable and swing up to change lenses.

**Compendium Hood Technika 45** (001926)  
Also for discontinued ST 45/57.  
**Item # LICHT45.....538.95**

**Compendium Hood  
Technikardan 23/45** (001931)  
For Technikardan 23 or  
Technikardan 45.  
**Item # LICHTK45.....538.95**

**Compendium Hood Kardan** (001927)  
For Kardan E, GT and GTL.  
**Item # LICHK.....538.95**

**Professional Compendium  
Hood** (001929)  
For Kardan cameras. Best possible flare-free exposures and optimum filter flexibility with all lenses. Accepts 4x4" (10x10cm) gels, as well as 105mm screw-in filters. Bellows portion can be removed, and rear portion can be used as a special filter holder for wide angle lenses. Twin rail guide system provides free access to the lens.  
**Item # LICHPK.....1,024.95**

**Filter Holder** (001933)  
For 95mm glass screw-in filters. Accepts 4x4" gels. Fits directly in back of compendium.  
**Item # LIFH9544.....324.95**



*Compendium Hood Technikardan 23/45 (001931) shown with Vignetting Mask Holder (001932)*

**Vignetting  
Mask Holder** (001932)  
For bellows hood. Fits directly in front of compendium.  
**Item # LIVM.....133.95**

**Filter Folding Frames  
(Set)** (002013)  
4x4" (10x10cm) frames [3]  
**Item # LIFFS44.....29.95**

#### Technika 45 Lensboards (96 x 99mm) for Master Technika 45, Technikardan 23 and Technikardan 45

**Flat Lensboard 45** (001013)  
With center pilot hole for one's own drilling.  
**Item # LILBBT45.....125.95**

**#0 Lensboard 45** (001143)  
**Item # LILB0T45.....125.95**

**#1 Lensboard 45** (001026)  
**Item # LILB1T45.....125.95**

**Compur/Prontor #1  
Lensboard 45** (001107)  
Allows installation of aperture control unit on Technikardan.  
**Item # LILB1T45Q2.....139.50**

**Prontor #1 Lensboard 45** (001156)  
For use with shutter control (022766) on the Technikardan.  
**Item # LILBTK45.....125.95**

**Compur/Prontor  
#3 Lensboard 45** (001059)  
**Item # LILBT345Q.....125.95**

**Compur #3 Lensboard 45** (001119)  
**Item # LILB3T45.....139.50**

**Recessed Lensboard 45** (001153)  
For lens in Barrel mount.  
**Item # LILBRBT45.....132.50**





### FRONT ACCESSORIES, *continued*

#### Technika 45 Lensboards (96 x 99mm) for Master Technika 45, Technikardan 23/45

All Compur and Copal lensboards come with a Cable Release Socket.

##### Compur #0

Flat Lensboard 45 (001017)

Item # **LILB0T45Q2.....189.95**

##### Copal #0

Flat Lensboard 45 (001120)

Item # **LILB0T45Q1....189.95**

##### Compur #1

Flat Lensboard 45 (001126)

Item # **LILB1T45Q5.....189.95**

##### Compur #1

Flat Lensboard 45 (001128)

Aperture control possible.

Item # **LILB1T45Q3.....228.50**

##### Copal #1

Flat Lensboard 45 (001121)

Item # **LILB1T45Q4.....189.95**

##### Compur #0

Recessed Lensboard 45 (001094)

For 47mm wide angle lenses.

Item # **LILBR0T45Q1....286.95**

##### Compur #1

Recessed Lensboard 45 (001015)

Item # **LILBR0T45.....273.50**

##### Copal #0

Recessed Lensboard 45 (001016)

Item # **LILBR0T45Q2....309.50**

#### Kardan Lensboards (162 x 162mm) for Kardan E, GT, GTI, GTL, TL, TE

##### Blank Kardan Lensboard (001080)

With center pilot hole for one's own drilling.

Item # **LILBBPHK45....136.95**

##### #0 Kardan Lensboard (001080-0)

Item # **LILB0K45.....136.95**

##### #1 Kardan Lensboard (001080-1)

Item # **LILB1K45.....136.95**

##### #3 Kardan Lensboard (001080-3)

Item # **LILB3K45.....136.95**

##### Blank Recessed Kardan

Lensboard (001089)

With center pilot hole for one's own drilling.

Item # **LILBRBK45.....152.95**

##### #0 Recessed

Kardan Lensboard (001089-0)

Item # **LILBR0K45.....167.95**

##### #1 Recessed

Kardan Lensboard (001089-1)

Item # **LILBR1K45.....167.95**

#### Kardan Adapter Boards

##### Flat Kardan

Lensboard Adapter 23 (001088)

Permits lenses mounted on Technika 23 (74x81mm) lensboard to be used on Kardan camera.

Item # **LILBAT23K.....274.50**

##### Recessed Kardan

Lensboard Adapter 23 (001092)

Recessed adapter board. Same as above.

Item # **LILBART23K....312.95**

##### Flat Kardan

Lensboard Adapter 45 (001087)

Permits lenses mounted on Technika 45 (96x99mm) lensboard to be used on Kardan cameras.

Item # **LILBAT45K.....234.95**

##### Recessed Kardan

Lensboard Adapter 45 (001093)

Recessed adapter board. Same as above.

Item # **LILBART45K....312.95**

#### Technikardan Lenses

While lenses in all shutters on Technika 45 lensboards can be attached to both Technikardan models, the use of the specially designed TK lenses is particularly recommended for rapid and convenient operation. All Linhof TK lenses, from 58 to 210mm, are supplied in Prontor Professional 01/1 shutters as complete units, mounted on flat Technika 45 lensboards with integrated shutter control module. In addition to the TK lenses listed below, all other lenses that fit in a Prontor Professional 01/1 shutter can be supplied, on special order, with the TK Control Unit, as well.

##### TK Super Angulon

47mm f/5.6 Copal 0 (000806)

Only for Technikardan 23.

Item # **LI4756SATK....1,882.95**

##### TK Super Angulon

58mm f/5.6 Prontor 01 (000871)

Item # **LI5856SATK....3,327.95**

##### TK Super Angulon

65mm f/5.6 Prontor 01 (000794)

Item # **LI6556SATK....3,624.95**

##### TK Super Angulon

90mm f/5.6 Prontor 01 (000797)

Only for Technikardan 45.

Item # **LI9056SATK....4,259.95**

##### TK APO-Symmar

100mm f/5.6 Prontor 01 (000795)

Only for Technikardan 23.

Item # **LI10056ASTK..2,503.50**

##### TK APO-Symmar

135mm f/5.6 Prontor 01 (000798)

Item # **LI13556ASTK..2,656.50**

##### TK APO-Symmar

150mm f/5.6 Prontor 01 (000822)

Item # **LI15056ASTK..2,549.95**

TK APO-Symmar  
150mm  
f/5.6

Prontor 01

(000822)



##### TK APO-Symmar

180mm f/5.6 Prontor 1 (000796)

Item # **LI18056ASTK..2,799.95**

##### TK APO-Symmar

210mm f/5.6 Prontor 1 (000799)

Item # **LI21056ASTK..3,379.95**

#### Macro Tubes and Lenses

Macro tubes are used for photographing images larger than life-size. They are supplied with a shutter, mounted onto a lensboard. Together with M-Componon lenses, a macro reproduction ratio of 2:1 to 14:1 can be achieved.

##### Macro Tube 23 (002692)

For Super Technika 23.

With central shutter on lensboard.

Item # **LIMTST23.....939.95**

##### Macro Tube 45 (002693)

For Master Technika 45 and Technikardan 23/45. With central shutter on lensboard.

Item # **LIMTT45.....951.95**

##### 28mm f/4 M-Componon

Macro Lens (020327)

In barrel mount. Reproduction ratio 6:1 to 14:1.

Item # **LI284MC.....716.50**

##### 50mm f/4 M-Componon

Macro Lens (020328)

In barrel mount. Reproduction ratio 3:1 to 8:1.

Item # **LI504MC.....674.95**

##### 80mm f/4 M-Componon Macro Lens (020329)

In barrel mount. Reproduction ratio 2:1 to 4.5:1.

Item # **LI8056MC.....784.95**



### FRONT ACCESSORIES, *continued*

#### Micro Tubes

Micro tubes are used to photograph images through a microscope. The basic equipment is the same as in macro photography. However, no lens is used on the camera. Instead, the camera is connected to the optical system of the microscope by means of a lensboard-mounted tube with shutter and a light-trap which fits the ocular. Focusing is facilitated by using a groundglass with clear, center spot and cross hairs.

**Micro Tube 23** (002694)  
For Super Technika 23.  
With central shutter on  
lensboard.

**Item # LIMTST23Q .....789.50**

**Micro Tube 45** (002695)

For MasterTechnika 45 and  
Technikardan 23/45, with  
central shutter on lensboard.

**Item # LIMTT45Q .....793.95**

#### Lens Hood/Filter Holder

A dual-purpose accessory, the Lens Hood serves not only as a sunshade, but also as a filter holder. The lens filter holder accepts all Linhof slip-in type filters with a 70mm diameter, and all circular glass filters (with-out mount) with an outer diameter of 76mm and maximum thickness of 7mm. Polarizer filters can also be used and rotated 120°. It remains firmly attached to the lens mount with a locking clamp. The lens hood fits all lens mounts with 70mm outer diameter, as well as lenses of 60, 51 and 42mm diameter, by means of reducing rings.

**Lens Hood/Filter Holder 70/60** (001914)

For lenses with a 70mm or  
60mm outer diameter. Includes  
reducing ring 70-60 (001916).

**Item # LILH70 .....333.95**

**Reducing Ring 70-51** (001915)

Adapter for lenses with an  
outer diameter of 51mm.

**Item # LIRR7051 .....79.95**

**Reducing Ring 70-42** (001922)

Adapter for lenses with an  
outer diameter of 42mm.

**Item # LIRR7042 .....79.95**

**Reducing Ring 70-60** (001916)

Adapter for lenses with an  
outer diameter of 60mm.  
Replacement for lens hood/fil-  
ter holder.

**Item # LIRR7060 .....79.95**

**70mm Filter Holder (Empty)** (002083)

Replacement for lens hood/filter holder.

**Item # LIFH70 .....69.50**

#### Lens Hoods

**Heliopan 49mm Lens Hood** (701049)

**Item # HELH49 .....23.50**

**Heliopan 67mm Lens Hood** (701067)

**Item # HELH67 .....37.95**

**77mm Lens Hood** (021910)

**Item # LILH77 .....59.95**

**82mm Lens Hood** (021911)

**Item # LILH82 .....69.95**

**86mm Lens Hood** (021912)

**Item # LILH86 .....74.50**

**95mm Lens Hood** (021913)

**Item # LILH95 .....107.95**

**105mm Lens Hood** (021914)

**Item # LILH105 .....144.95**

#### 70mm Drop-In Filters (for Lens Hood/Filter Holder)

ITEM #	MFG#	DESCRIPTION	PRICE
LIK1.570	002032	R1.5 SKY	187.95
LIK370	002033	R3 (81C)	187.95
LIK670	002034	R6 (81EF)	187.95
LIK1270	002035	R12 (85)	187.95
LIK1570	002036	B1.5 (82A)	187.95
LIK370	002037	B3 (82C)	187.95
LIK670	002038	B6 (80C)	187.95
LIK1270	002039	B12 (80B)	187.95
LIP70	002080	LINEAR POLARIZER	468.95
LISF070	002087	SOFTFOCUS 0	209.95
LISF170	002088	SOFT FOCUS 1	209.95
LIY170	002060	YELLOW 1	187.95
LIY270	002061	YELLOW 2	187.95
LIY370	002062	YELLOW 3	187.95
LIG170	002063	GREEN 1	187.95
LIG270	002064	GREEN 2	187.95
LIO70	002065	ORANGE	187.95
LIR170	002066	RED 1	187.95
LIR270	002098	RED 2	187.95
LIBL70	002067	BLUE	187.95
LIUV70	002068	UV CLEAR	187.95
LII70	002049	INFRARED	254.95

#### 95mm Filters (Screw-In)

ITEM#	MFG#	DESCRIPTION	PRICE
LIK1.595	022185	R1.5 SKY	234.95
LIY95	022235	YELLOW 1	227.50
LIY295	022236	YELLOW 2	227.50
LIY395	022237	YELLOW 3	234.95
LIG195	022238	GREEN 1	227.50
LIG295	022239	GREEN 2	227.50
LIO95	022240	ORANGE	227.50
LIR195	022241	RED 1	227.50
LIR295	022242	RED 2	227.50
LIBL95	022243	BLUE	227.50
LIUV95	022244	UV CLEAR	227.50
LIP95	022259	LINEAR POLARIZER	549.95

# L I N H O F

## S Y S T E M

VIEW CAMERAS

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### FRONT ACCESSORIES, *continued*

105mm Filters (Screw-In)			
ITEM #	MFG #	DESCRIPTION	PRICE
LIR1.5AT	022193	R1.5 SKY	309.50
LIY1105	022246	YELLOW 1	299.50
LIY2105	022247	YELLOW 2	299.50
LIY3105	022248	YELLOW 3	305.95
LIG1105	022249	GREEN 1	299.50
LIGR2105	022250	GREEN 2	299.50
LIO105	022251	ORANGE	299.50
LIR1105	022252	RED 1	299.50
LIR2105	022253	RED 2	299.50
LIBL105	022254	BLUE	299.50
LIUV105	022255	UV CLEAR	299.50
LIP105	022260	LINEAR POLARIZER	603.95
LII105	022245	INFRARED	356.50

Miscellaneous Filters (Screw-In)			
ITEM #	MFG #	DESCRIPTION	PRICE
LIP77	022256	77mm Linear Polarizer	421.95
LIP82	022257	82mm	428.50
LIP86	022258	86mm	453.50



### CASES

**Aluminum Case Super Technika 23** (022458)  
Adjustable partitions. Holds the Technika 23 and its basic accessories. 17 x 8 x 14" (44 x 21 x 35cm).  
**Item # LICAST23.....986.95**

**Aluminum Case Master Technika 45** (022457)  
Tropical proof, dust and humidity protected, with adjustable partitions. Case holds camera with lens, plus additional 2-3 lenses, multifocus optical finder, 6 double cut film holders and Super Rollex back. Dimensions are 17x8x14" (44x21x35cm).  
**Item # LICAMT45.....986.95**

**Aluminum Case Technikardan 23** (022474)  
Fitted. Holds TK 23 with lenses and basic accessories. 16.5 x 13 x 5.5" (42 x 33 x 14cm).  
**Item # LICATK23.....607.50**

**Aluminum Case Technikardan 45** (022481)  
Fitted compartment case for TK 45 with lenses and basic accessories. 16.5 x 13 x 5.5" (42 x 33 x 14cm).  
**Item # LICATK45.....602.95**

**Aluminum Case E/GT 45** (022475)  
Custom fitted. Holds camera in shooting position, plus a basic set of lenses and accessories. 19 x 14 x 11" (48 x 35 x 27cm).  
**Item # LICAK45GT.....764.95**



### CABLE RELEASES AND MISC. ACCESSORIES

**10" (250mm) C.R.** (002432)  
With T-Lock.  
**Item # LICR10.....27.50**

**13-1/2" (340mm) C.R.** (002429)  
T-Lock and turning nipple.  
**Item # LIHDCR135.....29.95**

**17" (430mm) C.R.** (002430)  
T-Lock and turning nipple.  
**Item # LIHDCR17.....34.95**

**17" (430mm) C.R.** (002433)  
T-lock and turning nipple. (Metal Covered)  
**Item # LICR17.....42.95**

**20" (500mm) C.R.** (002435)  
(Black) with T-Lock.  
**Item # LICR20.....42.95**

**21" (533mm) C.R.** (002431)  
T-lock and turning nipple.  
**Item # LICR21Q.....35.95**

**21" (533mm) Heavy-Duty C.R.** (002427)  
**Item # LICR21.....32.50**

**21" (553mm) C.R.** (002440)  
T-Lock with unthreaded nipple.  
**Item # LICRQL21.....42.95**

**30" (750mm) C.R.** (002434)  
T-Lock and turning nipple.  
**Item # LICR30.....52.95**



*Linhof Spirit Level (002599)*

**Linhof Spirit Level** (002599)  
Glass clear plastic body with dual level for horizontal and vertical levelling.  
**Item # LISL.....55.95**

**Prontor Professional Timer** (022502)  
Mechanical timer with built-in 500mm/24" cable release for long time exposures. Adjustable from 2 to 32 seconds. For macro work.  
**Item # LIST.....638.95**

**Linhof Prof Calculator** (002744)  
For numerous special photographic calculations, such as depth-of-field, lens tilt, etc.  
**Item # LICP.....518.50**

**Linhof Universal Depth-of-Field Chart** (025009)  
For establishing extension differences, checking the reproduction ratio, reading of working aperture, etc.  
**Item # LIUDFC.....9.95**

**Aluminum Case GT 810** (022461)  
Holds camera and one lens in flat position. Dimensions are 30 x 20 x 5" (75 x 50 x 13cm).  
**Item # LICAK810GT.....796.50**

**Aluminum Case GTL 810 /GT 810** (022477)  
Holds GTL 810/GT810 with one lens in flat position. Space for a few additional accessories. 30 x 23 x 7" (77 x 59 x 17cm).  
**Item # LICAK810GTL...892.50**

**Aluminum Case GTI 45** (022484)  
Compact case for complete GTI 4x5" equipment, with Kardan Professional Compendium (001935) and 3 tele lenses.  
**Item # LICAK45GTI...1,256.50**



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# SINAR

f 1 / f 2 4 x 5 S Y S T E M

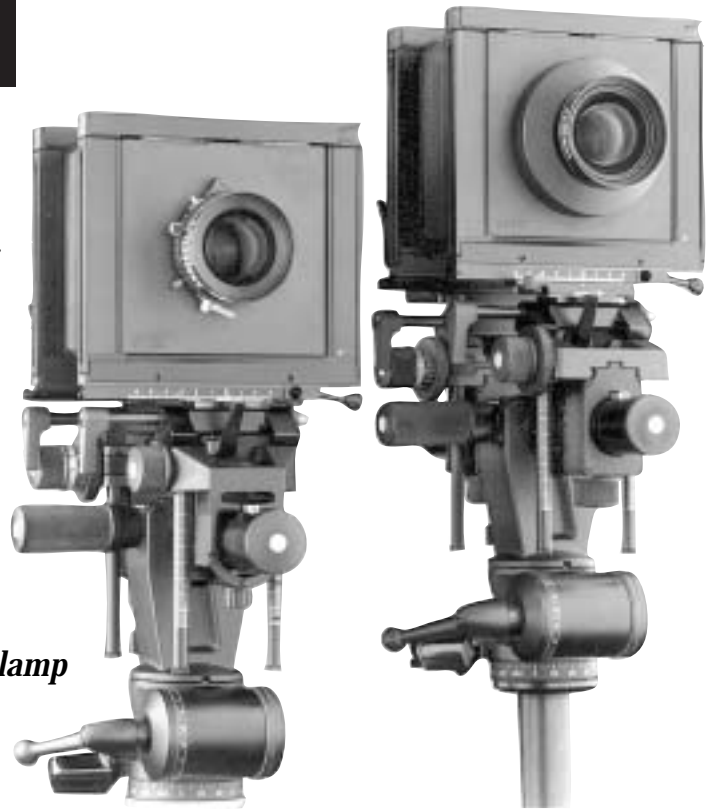
VIEW CAMERAS

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*The next level in the Sinar family of cameras includes the f1 and f2. Long time favorites among students and beginning pros alike, these cameras combine portability with precision and ease of use.*

*The Sinar f1 4x5" camera features a rear standard with depth of field scale, p2 style knobs, and right hand operation. The front standard has an open clamp which makes it the ideal multi-purpose standard if the camera is upgraded to an f2 or p2 model.*

*The f2 4 x 5" camera features an enclosed rail clamp on the front standard for greater stability. The front standard also has fine focus capability. The f2 is equipped with a metering back to allow the use of film plane metering probes. The swing and shift locks are separate on the f2, and feature a positive locking mechanism for easier operation.*



*Sinar f1 (21-1005) and f2 (21-1007) 4x5 systems shown with optional lenses and lensboards*

## FEATURES

- Precision two-point focusing system
- Depth of field scale helps determine the optimum f-stop
- Fully upgradeable to larger formats
- Yaw-free movement
- Geared fine focus combined with coarse focusing on f1 and f2 rear standards. f2 has fine focusing on the front standard as well

**Sinar f1  
4 x 5 Camera** (SC. 491.16; SB. 21-1005)  
Consists of: Rail clamp (411.21),  
Base Rail 12" (422.21), 2-rail caps  
(429.21), Front standard f1/  
Multipurpose Standard (437.61)  
23-2210, Rear standard f1/f2  
(433.66) 23-2211, Film holder  
screen back (461.36) 23-2027,  
Universal bellows (454.11)  
**Item # SIF145.....1,850.00**

**Sinar f2 4 x 5  
Camera** (SC.491.96; SB. 21-1007)  
Consists of: Rail clamp  
(411.21), Base rail 12"  
(422.21), 2-rail caps (429.21),  
Front standard f2/c2 (431.61)  
23-2210, Rear standard f2  
(433.66) 23-2211, Metering  
back 4 x 5" (462.16),  
Universal bellows (454.11)  
**Item # SIF245 .....2,495.00**

## f1/f2 4x5 SPECIFICATIONS

### TILTS:

Front: 140°; Rear: 140°

### SWINGS:

Front: 100°; Rear: 100°

### RISE AND FALL (COMBINED):

Front: 4.4 in. (112mm)

Rear: 4.4 in. (112mm)

### LATERAL SHIFT:

Front: 3.4 in. (87mm)

Rear: 3.6 in. (92mm)

### CAMERA BACK:

International  
Standard 4 x 5 in.

### FOCUSING SCREEN:

4 x 5 Fresnel

### INTERCHANGEABLE BELLOWS:

Yes

### MINIMUM BELLOWS DRAW:

1.5 in. (3.8cm)  
with standard bellows

### MAXIMUM EXTENSION:

19 in. (483cm)  
with standard bellows  
and optional extension rail

### MONORAIL LENGTH:

12 in. (30.5cm)

### YAW FREE:

Yes

### LENSBOARD:

5<sup>11</sup>/<sub>16</sub> x 5<sup>1</sup>/<sub>16</sub>"  
(139 x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

### WEIGHT:

f1: 7 lbs. (3.2 kg)

f2: 8 lbs. (3.6 kg)

*Subject to change without notice*



# SINAR

## f1 8x10 SYSTEM

*Similar to the 4x5 version, the affordable Sinar f1 8x10 combines portability and dependability into one modular package. As with all Sinar view cameras, the f1 8x10 can be upgraded to the more advanced models if you choose to do so at a later date. The Sinar f1 8x10 features an enclosed rail clamp on the front standard for greater stability. Both the front and rear standards have fine focus capability. The camera is also equipped with a spring-loaded rise and fall mechanism on the larger, rear standard for ease of movement. With Sinar's angle meter scale and patented two-point focusing system, both swings and tilts are calculated quickly and precisely. An added benefit of the Sinar f1 8x10, is the depth-of-field knob which eliminates guess-work and unnecessarily small apertures.*



*Sinar f1 8x10 (21-1002) shown with optional lens, lensboard, and aperture control*

### FEATURES

- Geared fine focus combined with coarse focusing
- Fully changeable to smaller formats
- Precision swiss construction
- Yaw free movements
- Precision two-point focusing system
- Free shipping on Sinar equipment in Continental USA
- Zero detentes on swing, tilt, rise and shift movements
- Spring-loaded rise and fall
- Depth-of-field scale helps determine the optimum f-stop
- Metering Back

**Sinar f1 8x10 Camera (21-1002)**  
Consists of: Rail Clamp 1 (411.21), Basic Rail 12" (422.21), 2 rail claps (429.21), Front standard special f1/f2 (431.62), Rear standard special f1/f2 8x10 (433.68), tapered bellows 8x10 (452.58), metering back 8x10. Item # SIF1810 .....3,795.00

### f1 8x10 SPECIFICATIONS

**TILTS:**  
Front: 135°; Rear: 135°

**SWINGS:**  
Front: 100°; Rear: 120°

**RISE AND FALL (COMBINED):**  
Front: 5 in. (127mm)  
Rear: 2.3 in. (58.5mm)

**LATERAL SHIFT:**  
Front: 4.4 in. (111mm)  
Rear: 7.7 in. 196.5mm)

**CAMERA BACK:**  
International  
Standard 8 x 10"

**FOCUSING SCREEN:**  
Groundglass screen 8 x 10

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
2 in (5cm) with standard bellows

**MAXIMUM EXTENSION:**  
26 in. (66cm)  
with standard bellows

**MONORAIL LENGTH:**  
12 in. (30.5cm)

**YAW FREE BASE TILT:**  
Yes

**LENSBOARD:**  
5<sup>11</sup>/<sub>16</sub> x 5<sup>7</sup>/<sub>16</sub>"  
(139mm x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

**WEIGHT**  
16.75 lbs (7.6 kg)

*Subject to change without notice*



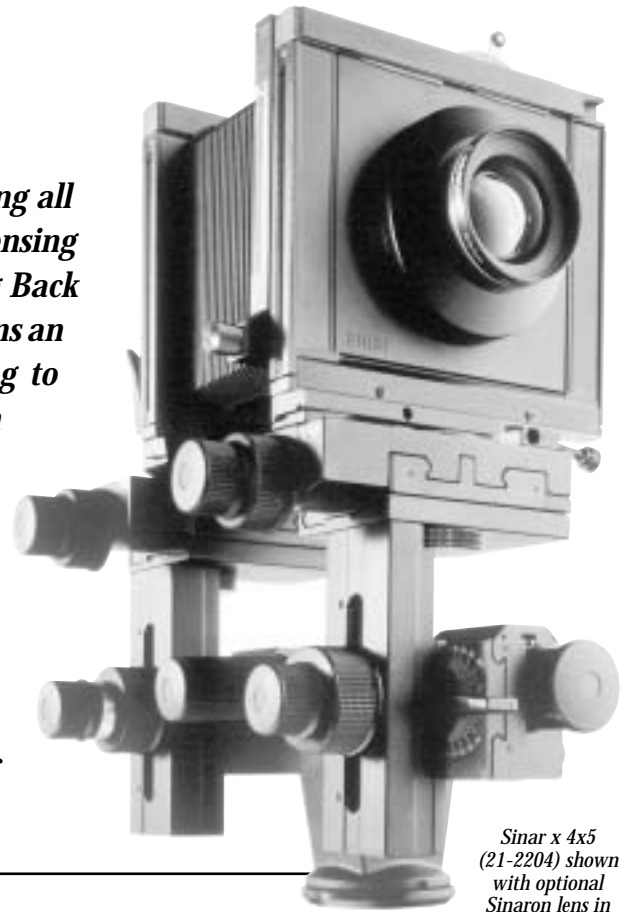
# SINAR

## x 4 x 5 SYSTEM

VIEW CAMERAS

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*The x is a cost-efficient alternative to the p2, performing all the functions with equal perfection but deliberately dispensing with some of the operating amenities, The TTL Metering Back for instance, is not included in the basic outfit, but it remains an option that can be added later. The feature of adapting to formats larger than 4x5 was also intentionally foregone on the Sinar x camera, thus contributing greatly to the cost reduction, as did the elimination of a digital adapter connection for a digital back with a CCD array (nevertheless, the x can be used with a digital scan-back). The Sinar x still remains the most integral and unique features of a Sinar, such as the asymmetrical swing/tilt capabilities, among others, making it an outstanding value. The Sinar x provides the photographer with the best features of a top of the line monorail camera at a reasonable price.*



*Sinar x 4x5 (21-2204) shown with optional Sinaron lens in DB lensboard*

### FEATURES

- Yaw free base tilt movements
- Accepts Sinar Accessories
- Depth-of field calculator indicates correct aperture settings
- Free shipping on Sinar equipment in the Continental USA
- Precision Swiss Construction
- Sinar's two point Focusing System helps you determine the correct degree of swings and tilts needed
- A perfect next step for owners of Sinar f1 or f2 cameras

### Sinar x 4 x 5 Camera

(SC. 491.66; SB.21-2204)

Consists of:

Basic rail clamp 1 (411.21), Caps (429.21) Front Standard x (431.71), Rear Standard x 4x5" (433.76), Multipurpose Bellows 4x5" (454.11), Holder/Focusing Back 4x5 (461.36), Lensboard Holder (531.41).

Item # SIX45 .....4,195.00

### x 4x5 SPECIFICATIONS

#### TILTS:

Front: 130°; Rear: 130°

#### SWINGS:

Front: 120°; Rear: 120°

#### RISE AND FALL (COMBINED):

Front: 3.15 in. (80mm);  
Rear: 3.15 in. (80mm)

#### LATERAL SHIFT:

Front: 3.1 in. (91mm);  
Rear: 3.1 in. (91mm)

#### CAMERA BACK:

International  
Standard 4 x 5 in.

#### FOCUSING SCREEN:

4 x 5 groundglass screen

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM

#### BELLOWS DRAW:

1.5 in. (381cm)  
with standard bellows

#### MAXIMUM EXTENSION:

18 in. (45.7 cm)  
with standard bellows  
and optional extension rail

#### MONORAIL LENGTH:

12 in. (30.5cm)

#### YAW FREE:

Yes

#### LENSBOARD:

5 $\frac{1}{16}$  x 5 $\frac{1}{16}$ "  
(139mm x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

#### WEIGHT:

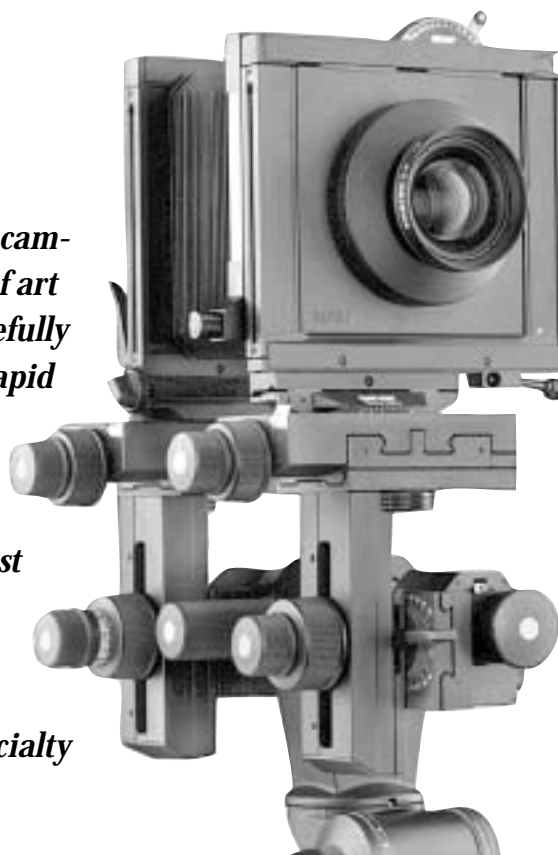
13 lbs. (5.9kg)

*Subject to change without notice*

# SINAR

## p2 4 x 5 SYSTEM

*The Sinar p2 is Sinar's top-of-the-line conventional view camera. Not only is it a pleasure to operate, but it is also a work of art in it's own right. Each tilt and swing movement is on a carefully chosen asymmetrical axis. This ingenious design permits rapid and reliable alignment of each plane of the camera with exact precision and minimal readjustments. Scales on the front and rear standards indicate every setting. Shifts are achieved to the nearest 0.5mm, swings and tilts to the nearest 1/2° degree. In addition, each movement is micrometer-driven, another reason why Sinar is the view camera that most serious photographers aspire to own. Plus, with the p2, you have access to the largest line of accessories and specialty items available from any manufacturer.*



VIEW CAMERAS

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### FEATURES

- Adaptable to electronic imaging
- Top of the line precision 4 x 5 view camera
- Self-braking micrometer driven focusing
- Fully upgradeable to larger formats
- Yaw free base tilt movements
- Extremely smooth operation of movements
- Precision "Two point focusing system" helps determine the number degree of swings and tilts needed
- Depth-of-field calculator indicates correct aperture settings
- Free shipping on all Sinar equipment in Continental USA
- Accepts all Sinar accessories

Sinar p2 4 x 5 Camera (21-2201)

shown with optional Sinaron lens in DB lensboard

Sinar p2  
4 x 5 Camera (SC. 491.76; SB. 21-2201)  
Consists of:  
Rail clamp (411.21), base rail 12"  
(422.21), 2-rail clamps (429.21),  
front standard p2(431.51) (SB 23-  
2204), rear standard bearer P2/C2  
(433.51), coupling frame 4 x 5"  
(433.26), metering back 4 x 5"  
(462.16), universal bellows  
(454.11)  
Item # SIP245.....6,545.00

### p2 4x5 SPECIFICATIONS

**TILTS:**  
Front: 130°; Rear: 130°

**SWINGS:**  
Front: 120°; Rear: 120°

**RISE AND FALL (COMBINED):**  
Front: 3.1 in. (80mm);  
Rear: 3.1 in. (80mm)

**LATERAL SHIFT:**  
Front: 3.6 in. (91mm);  
Rear: 3.6 in. (91mm)

**CAMERA BACK:**  
International  
Standard 4 x 5 in.

**FOCUSING SCREEN:**  
4 x 5 groundglass screen

**INTERCHANGEABLE  
BELLOWS:**  
Yes

**MINIMUM  
BELLOWS DRAW:**  
1.5 in. (381cm)  
with standard bellows

**MAXIMUM EXTENSION:**  
18 in. (45.7 cm)  
with standard bellows  
and optional extension rail

**MONORAIL LENGTH:**  
12 in. (30.5cm)

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
5 7/16 x 5 7/16"  
(139mm x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

**WEIGHT:**  
13 lbs. (5.9kg)

*Subject to change without notice*



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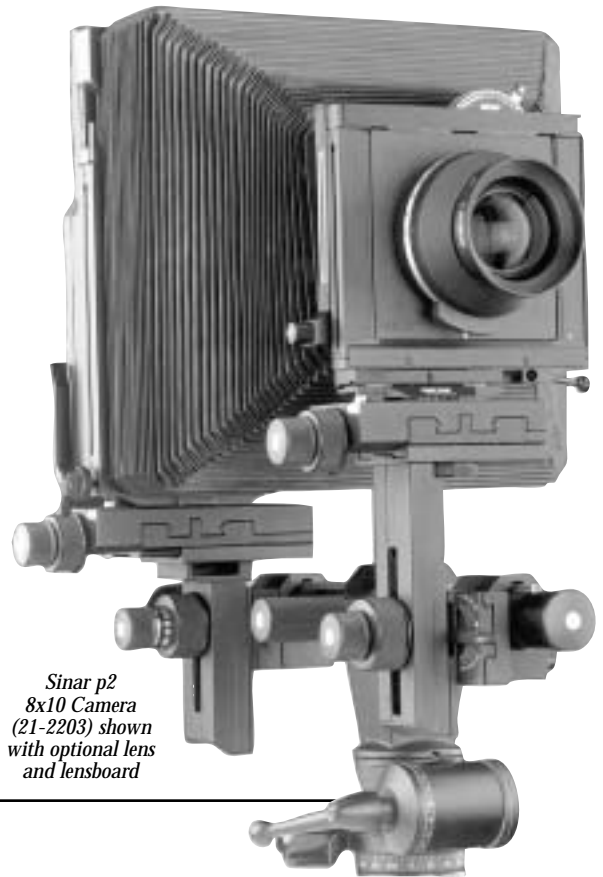
# SINAR

## p2 8x10 SYSTEM

VIEW CAMERAS

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*Most large format manufacturers, it seems at times, produce an 8x10 model - as an afterthought. However, few have come close to the style and functionality of the Sinar p2 8x10. As with the 4x5 version, the micrometer driven movements effortlessly control the camera planes, which becomes even more important when dealing with this larger film size. The asymmetrical tilts and swings allow the photographer to make his corrections easily, thanks to Sinar's two point focus system. As with the 4x5 version of the p2, the p2 8x10 is the heart of the Sinar system, giving the professional access to the entire line of items designed by Sinar's team of engineers and experienced photographers.*



Sinar p2  
8x10 Camera  
(21-2203) shown  
with optional lens  
and lensboard

### FEATURES

- **Top-of-the-line, precision 8x10 view camera**
- **Special 8x10 p2 front standard**
- **Special 8x10 rear standard**
- **Ultra smooth operation with self-breaking precision drives**
- **Yaw free movements**
- **Fully changeable to smaller formats**
- **Sinar's precision "Two point focusing system" helps you determine the degree of swings and tilts needed**
- **Depth-of-field calculator indicates aperture settings**
- **Free shipping on all Sinar equipment in Continental USA**
- **Accepts all Sinar accessories**
- **Self-braking micrometer driven focusing**

Sinar p2 8x10 Camera (SC. 000000; SB. 21-2203) Consists of:  
Rail clamp (411.21), base rail 12" (422.21), 2 rail caps (429.21), special p2 front standard (431.52) (23-2206), special p2 rear standard (433.52), carrier frame 8x10 (433.58), metering back 8x10 (462.58), tapered bellows 8x10 (452.58) and lensboard holder (531.41).  
**Item # SIP2810.....\$8,945.00**

### p2 8x10 SPECIFICATIONS

**TILTS:**  
Front: 130°; Rear: 130°

**SWINGS:**  
Front: 120°; Rear: 120°

**RISE AND FALL (COMBINED):**  
Front: 31.5" (80mm);  
Rear: 31.5" (80mm)

**LATERAL SHIFT:**  
Front: 3.6" (91mm);  
Rear: 3.6" (91mm)

**CAMERA BACK:**  
International  
Standard 4 x 5"

**FOCUSING SCREEN:**  
4 x 5 Groundglass Screen

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
1.5" (381cm)  
with Standard Bellows

**MAXIMUM EXTENSION:**  
18" (45.7 cm)  
with Standard Bellows  
and optional Extension Rail

**MONORAIL LENGTH:**  
12" (30.5cm)

**YAW-FREE:**  
Yes

**LENSBOARD:**  
5<sup>11</sup>/<sub>16</sub> x 5<sup>11</sup>/<sub>16</sub>"  
(139mm x 139mm)  
Sinar Lensboard or  
Linhof Lensboard Adapter

**WEIGHT:**  
13 lbs. (5.9kg)

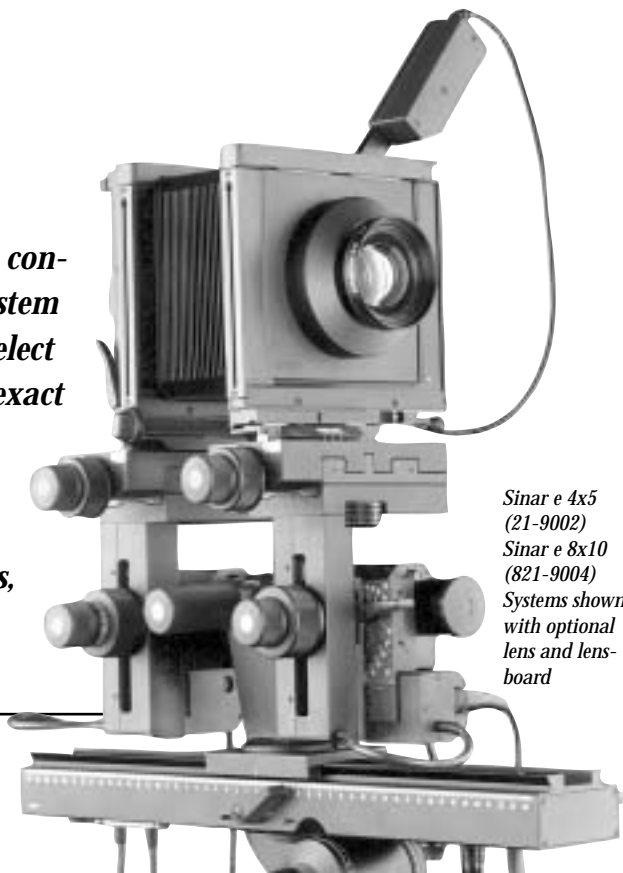
*Subject to change without notice*

**14-Day Customer Satisfaction Guarantee**

# SINAR

## e (Cap-Cam) 4x5/8x10 SYSTEM

*This computer aided, user-friendly camera allows you to concentrate on the creative aspects of photography, while the system handles the technical details. By using a wand to point to select areas of the image, the computer display will give you the exact settings for swing, tilt, focus point, and exposure information. When not using the computing system, the camera is operated like a standard Sinar p2. However, the Sinar e standards have extensive (and patented) internal features, such as sensors, to keep constant track of all camera movements and ultrasonic sensing of the bellows draw.*



Sinar e 4x5  
(21-9002)  
Sinar e 8x10  
(821-9004)  
Systems shown  
with optional  
lens and lens-  
board

VIEW CAMERAS

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### FEATURES

- Computer aided photography eliminates the possibility of errors
- Best 3-dimensional sharpness distribution
- Shoot at wider f/stops. Requires less flash power, and optimizes lens performance
- Highest image quality-tolerance of  $\pm .03\text{mm}$  when used with the Precision sheet film holder
- Full control of the Expolux electronic shutter
- Ultrasonic sensors automatically track camera configuration
- Change perspective by setting new angle on image standard and display instantly tells you what adjustments are needed on the front standard
- Compatible with all of the Sinar system

#### Sinar e 4x5 Camera (SC. 490.16; SB. 21-9002)

Consists of \*Rail Clamp e (411.51), \*Release Cable e (418.21.035), \*Sinar software e2 (418.21.096), \*Base Plate e2 (418.52), \*Operating Unit e2 (418.51.010), \*Basic 12" rail (422.21), \* 2 rail caps (429.21), Front Standard e (431.11), Bearer e (433.11), Carrier Frame 4x5 (433.26), Multi-purpose Bellows 4x5 (454.11), Metering Back e 4x5 (462.36), \*Y-synchro cable (521.51.010), \*Lensboard Holder (531.41) and \*Modem cable RS-232, DOS (718.21.130).

Item # SIE45 .....33,066.50

#### Sinar e 8 x 10 Camera (SC. 490.18; SB. 21-9004)

Consists of all \* items from above, plus special Front Standard e 8x10 (431.12), Special Bearer e (433.12), Carrier frame 8x10 (433.58), Tapered Bellows 8x10 (452.58), Metering Back e 8x10 (462.38). Special Bearers meet the special requirements of 8x10" camera.

Item # SIE810 .....38,025.95

### e 4x5/8x10 SPECIFICATIONS

#### TILTS:

4x5 - Front: 94°; Rear: 94°;  
8x10 - Front: 94°; Rear: 94°

#### SWINGS:

4x5 - Front: 100°; Rear: 100°;  
8x10 - Front: 100°; Rear: 100°

#### RISE AND FALL (COMBINED):

4x5 - Front: 3.1" (80mm);  
Rear: 3.1" (80mm))  
8x10 - Front: 3.1" (80mm);  
Rear: 1.96" (50mm)

#### LATERAL SHIFT:

4x5 - Front: 3.1" (80mm);  
Rear: 3.1" (80mm)  
8x10 - Front: 3.1" (80mm);  
Rear: 3.5" (90mm)

#### CAMERA BACK:

4x5 - International  
Standard 4x5"  
8x10 - International  
Standard 8x10"

#### FOCUSING SCREEN:

4x5 or 8x10 Groundglass Screen

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS DRAW:

4x5: 40mm; 8x10: 50mm

#### MAXIMUM EXTENSION:

4x5: 450mm; 8x10: 710mm

#### MONORAIL LENGTH:

12" plus special Sinar Base Plate e2

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

5 $\frac{1}{8}$  x 5 $\frac{1}{8}$ " (139mm x 139mm)  
Sinar Lensboard or  
Linhof Lensboard Adapter

#### WEIGHT:

4x5: 16.5 lbs. (7.5kg);  
8x10: 19.4 lbs. (8.8kg)

Subject to change without notice

Sinar does not supply the computer. The Base Plate e2 available from Sinar accommodates the desktop or notebook version of any IBM compatible PC. The minimum requirement is a 386 processor with 1MB RAM.



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### CAMERA OUTFITS

#### Image Kits

The Image Kit can easily be used for studio, architecture or even landscape photography, all in one easily transportable case. The Image Kit comes in a very handy briefcase-styled case, which fits in most airline overhead bins. Besides the camera and Image Kit accessories, the Image Case has room enough to store a Polaroid 545 holder, an extra 6" extension rail and 6 film holders.

#### Image Kits consist of:

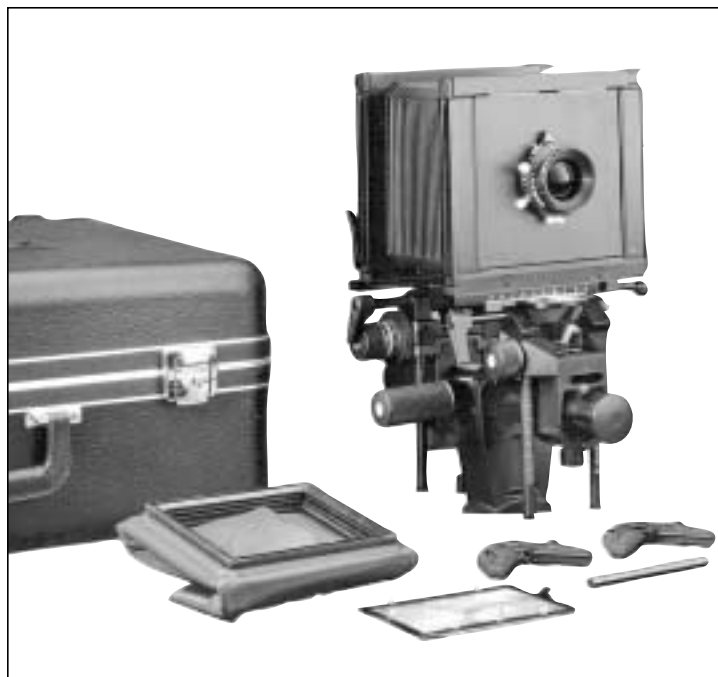
- |   |                                     |
|---|-------------------------------------|
| ■ 1-f1 or f2 camera                     | ■ 2 Bellows Holder                  |
| ■ 150 or 210 mm Sinaron f5.6 Copal lens | ■ 4x5 Fresnel                       |
| ■ 6" Extension Rail                     | ■ Filter Rod                        |
| ■ 4x5 Wide Angle Bellows                | ■ Reducing Bushing (built in to a1) |
|   | ■ f1/f2 Image Case                  |

**F1 150mm Image Kit (21-5008)**  
**Item # SIF145150IK ..3,465.00**

**F2 150mm Image Kit (21-5009)**  
**Item # SIF245150IK ..4,051.00**

**F1 210mm Image Kit (21-5012)**  
**Item # SIF145210IK ..3,795.00**

**F2 210 mm Image Kit (21-5013)**  
**Item # SIF245210IK ..4,405.00**



#### Pro Kits

The Pro Kit offers the professional a complete ready-to-go system in one small case. Even if it is an additional camera for an already busy studio, this outfit offers virtually everything you need.



#### 4x5 p2 Pro Kit (21-5003)

##### Consists of:

- Sinar P-2 4x5 camera
- Sinaron-w 90mm f/6.8 DB mounted
- Sinaron-s 210mm f5.6 DB mounted
- 6" extension rail
- Auto aperture shutter
- 4x5 wide angle bellows
- 4x5 fresnel
- Reducing bushing
- 4x5 camera case

**Item # SIP245PK ...12,119.95**

#### 8x10 p2 Pro Kit (21-5005)

##### Consists of:

- Sinar P-2 8x10 camera
- Sinaron-n 300mm f5.6 DB mounted
- 18" Extension rail
- Auto Aperture Shutter
- 8x10 Wide Angle Bellows
- 8x10 Fresnel Lens
- Reducing Bushing
- 8x10 Expert case

**Item # SIP2810PK...15,427.95**

#### 4x5 x Pro Kit (21-5002)

##### Consists of:

The same items as the 4x5 p2 Pro Kit, with the Sinar x 4x5 camera instead of the p2.

**Item # SIX245PK.....9,916.50**



# SINAR

## SYSTEM



### CAMERA OUTFITS

#### Expert Kits

The Expert Kit features a large array of Sinar accessories to complement the p2 camera. The kit is set up for the studio photographer who wants the very best in equipment at his fingertips. Even if you have to go on the road, this case is ready when you are. Four removable casters allow you to roll the case easily through airports or on location, and is durable enough to be checked as airline baggage.

#### p2 4x5 Expert Kit (21-6201)

Consists of:

- p2 4x5 camera
- 6" extension rail
- 18" extension rail
- Multipurpose standard 1
- 4x5 square bellows
- 4x5 wide angle bellows
- 2 bellows holders
- Bellows hood mask II
- 4x5 fresnel
- Filter holder rod set of 3
- Binocular magnifier board
- Lighthood with lightdrop
- Expert case (less lens & lensboard)

Item # SIP245EK.....9,916.50

#### p2 8x10 Expert Kit (21-6203)

Consists of:

- p2 8x10 camera
- 6" extension rail
- 18" extension rail
- 1 Multipurpose standard
- 4x5 square bellow (used for Bellows hood or binocular magnifier)
- 8x10 wide angle bellows
- 2 bellows holders
- Bellow hood mask II
- 8x10 fresnel
- Filter holder rod (set of 3)
- Binocular magnifier board
- Lighthood with lightdrop
- Expert case (less lens & lensboard)

Item # SIP2810EK.....13,147.00



#### x 4x5 Expert Kit (21-6202)

Consists of the same as the p2 4x5 Expert Kit, with a Sinar x camera instead of a p2.

Item # SIX245EK.....7,709.95



### ELECTRONIC IMAGING

One of the most promising uses for digital camera backs is for high volume catalog and advertising photography. This type of work, which involves shooting the maximum number of products in the minimum amount of time, can easily generate the volume needed to make digital photography profitable. On film, the vast majority of this type of work is done with view cameras. Natural perspective and the ability to control sharpness are vital to product photography. Doing the same work with direct digital capture does not change any of these requirements. The finished product still needs the perspective control that only view cameras can provide, and controlling focus to get the maximum sharpness at optimum apertures is just as important as ever. Even in this new medium, most of the reasons for using view cameras still apply.

The Sinar x/d, while the most affordable of Sinar's view camera solutions for area CCD's, still has capabilities unmatched by any other digital view camera. For example, digital backs require precision adjustment of camera movements. Everything is proportionally smaller, including the margin of error. The x/d's self-arresting, gear-driven movements never have to be locked or unlocked - just set your movements and they will stay where you put them.

Every area CCD back requires a shutter that can be triggered electronically. The Expolux is a reliable, vibration-free system which works perfectly in digital applications and is controllable in increments as small as 1/10 f/stop. For digital imaging applications, you can control the Expolux directly from your Macintosh, eliminating the need for the Expolux Monitor and greatly reducing the cost of the shutter package. The Expolux Tricolor Shutter for 3-Shot Backs eliminates the need for an external filter wheel for backs which shoot 3 exposures through red, green and blue filters. This leaves the front of the camera free to mount a compendium lens shade to help increase contrast and color saturation. Sinaron Digital Lenses are designed to give you the focal lengths, coverage and resolution required for digital imaging. Plus, they are mounted behind the front standard to give you maximum possible working distance between your standards.



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### ELECTRONIC IMAGING

#### x/d View Cameras

Sinar x/d for Leaf (25-1005)  
Item # **SIXDL**.....**7,823.95**

Sinar x/d for the Kodak 465 (25-1006)  
Item # **SIXDK**.....**7,822.95**

Sinar c/d for Leaf (25-1007)  
An x/d with an f2 from standard to reduce cost and weight.  
Item # **SICDL**.....**6,604.50**

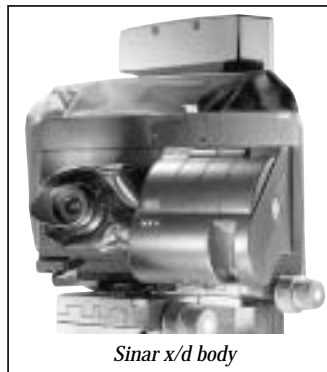
*Packages are subject to change to accommodate changes in the capture backs.*

#### x/d Digital Packages

The Sinar x/d digital package includes everything required to use your digital back on an x/d body.

Sinar x/d Digital Package for the Leaf DCB (25-1922)  
Includes Expolux Tricolor Shutter System, Leaf/Expolux release cable and viewfinder. Requires x/d body, lens and Leaf DCB.  
Item # **SIKXDL**.....**6,609.50**

Sinar x/d Digital Package for the Leaf Catchlight (25-1942)  
As above, with the standard Expolux shutter.  
Item # **SIKXDLCL**.....**5,379.95**



Sinar x/d body

Sinar x/d Digital Package for the Kodak DCS 465 (25-1935)  
Includes Expolux Shutter System, cabling and viewfinder. Requires x/d body, lens and Kodak DCS 465.  
Item # **SIKXDDCS465** **5,129.95**

Sinar x/d Digital Package for the Kodak DCS 465 3-Shot (25-1955)  
As above, with an Expolux Tricolor Shutter.  
Item # **SIKXD3SDCS** ..**6,294.50**

#### p2 Digital Packages

In addition to all the advanced features of the Sinar x/d, the p2 digital system offers additional advantages. It easily converts from digital to chemical via the format change system. It offers zero detentes on all movements. It has a Rail Clamp 2 for additional stability. 8x10 standards are available for greater shift range. The following packages give you all the equipment required to mount an area CCD back to a Sinar p2.

p2 Digital Package for the Leaf DCB (25-1921)  
Consists of p2/Leaf adapter and viewfinder, Expolux Tricolor Shutter System and Leaf/Expolux release cable. Requires lens, p2 camera and Leaf DCB.  
Item # **SIKPP2L**.....**11,018.95**

p2 Digital Package for the Leaf Catchlight (25-1941)  
Same as the Leaf DCB package, but for the Leaf Catchlight.  
Item # **SIKPP2LCL** ....**10,249.95**

p2 Digital Package for the Kodak DCS 465 (25-1934)  
Consists of p2/Kodak adapter and viewfinder, Expolux Shutter System and cabling. Requires lens, p2 camera and Kodak DCS 465.  
Item # **SIKPP2DCS465**..**9,988.95**

p2 Digital Package for the Kodak DCS 465 3-Shot (25-1954)  
Same as above.  
Item # **SIKPP23SDCS**.....**11,018.95**

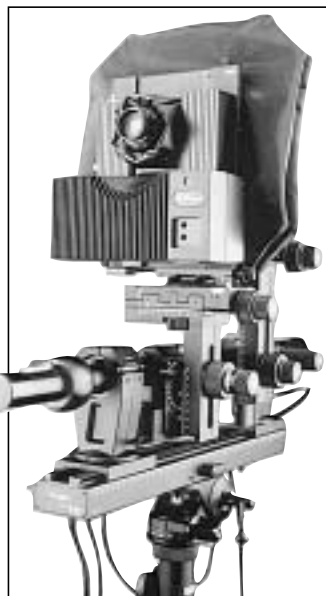


*For digital applications, Sinar has replaced the Expolux Monitor with a connection to your Mac, making the system faster, more convenient, and less expensive.*

#### e (CapCam) Digital Packages

e CapCam/Pixel 4x5 with Pixel Booster (21-9005)

The Pixel Booster adds a precision focusing aid to the conventional CapCam. A video CCD at the end of the metering probe feeds an image to an LCD monitor mounted on the rail. The Pixel Booster displays less than one square centimeter of your ground-glass magnified to fill the 4" monitor, letting you focus with a level of accuracy never before possible in large format photography. This package includes a complete 4x5 e Cam with the Pixel Booster system installed.  
Item # **SIEP45** .....**36,220.00**



E Leaf Package (25-1925)  
Item # **SIELK**.....**47,392.50**

Sinar CapCam 2 Digital Package for the Kodak DCS 465 (25-1936)  
Package includes CapCam/Kodak horizontal adapter, CapCam 2 view camera, Expolux Shutter and power supply, LCD monitor and arm and power cable adapter. Requires Sinaron digital lenses, Kodak 465 and notebook PC.  
Item # **SIC2K** .....**46,299.95**

Sinar CapCam Digital Package for the Kodak DCS 465 3-Shot (25-1937)  
As above, with an Expolux Tricolor Shutter.  
Item # **SIC23SK** .....**47,239.95**



### BODY ACCESSORIES

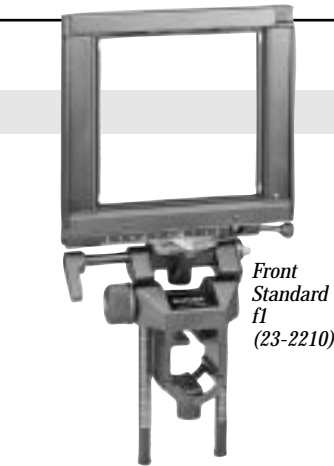
#### Front Standards

**Front Standard f1/  
Multipurpose Standard**  
(SC. 437.61; SB. 23-2210)  
Capable of parallel shifts, swings and tilt movements. By adding additional f1 front standard it can be used as a multipurpose standard for professional lens shade, bellows support for long extensions and holder for Sinar color control filter system and Sinar mirrors. (Replacement for f1 4x5.)  
**Item # SISFF1.....599.00**

**Front Standard p2 4x5**  
(SC. 431.51; SB. 23-2204)  
With parallel shifts, swings and tilts. (Replacement for p2 4x5.)  
**Item # SISFP245.....3,527.50**

**Front Standard f2/c2**  
(SC. 431.61; SB. 23-2212)  
Has geared fine focus and separate locks for horizontal shift and swing. Can be used as a multipurpose standard or intermediate bellows support by adding additional front standards. (Replacement for f2 4x5, c2 4x5, and f1 8x10.)  
**Item # SISFF245.....987.00**

**Multipurpose Standard 5x7**  
(SC. 437.62; SB. 23-2200)  
Multipurpose standard for bellows hood with film sizes larger than 4x5. Can be used as an intermediate standard for bellows extension with 8x10.  
**Item # SISMP57.....1,334.95**



Front  
Standard  
f1  
(23-2210)

**Special Front Standard p2  
8x10** (SC. 431.52; SB. 23-2206)  
Longer rise and shift range for larger 8x10 format. With parallel shift, swing and tilts and with zero settings for 8x10 format. (Replacement for p2-8x10.)  
**Item # SISFP2810.....4,383.50**

#### Rear Standards

**Rear Standard f1/f2 4x5**  
(SC. 433.66; SB. 23-2211)  
Comes with full parallel shifts, swings and tilts, angle scale dial and depth of field scale. Will accept film holder screen back (f/s back) or metering back. Replacement f1 4x5.  
**Item # SISRF145.....832.95**

**Rear Standard f2 4x5**  
(SB. 23-2213)  
Same as above, with separate locks for horizontal shift and swing. Replacement f2 4x5.  
**Item # SISRF245.....1,184.95**



Rear  
Standard  
p2 8x10  
(23-2209)



Rear  
Standard  
p2 4x5  
(23-2208)

**Rear Standard (Standard  
Bearer) p2/c2 4x5**  
(SC. 433.51; SB. 23-2208)  
Lower section of rear standard fully geared, self-arresting movements with parallel shifts, swings and tilts plus depth of field scale. Requires upper section coupling frame (433.26) 23-2017. Replacement c2 4x5 and p2 4x5.  
**Item # SISRP245.....2,948.50**

**Cross Level** (23-4017)  
For 2 axis levelling. Attaches to any Sinar standards..  
**Item # SISL.....159.95**

**Rear Standard f1/f2 8x10**  
(SC. 433.68; SB. 23-2201)  
With parallel shifts, swings and tilt, angle scale dial, as well as depth of field scale. (Replacement for f1 8x10.)  
**Item # SISRF1810.....2,744.50**

**Rear Standard  
(Special Standard Bearer)  
p2 8x10**  
(SC. 433.52; SB. 23-2209)  
Same as rear standard P-2/C-2 4x5 with longer rise and shift range for larger formats also special T-shaped design for added stability. Requires upper section coupling frame (433.58) 23-1919. (Replacement for p2 8x10.)  
**Item # SISRP2810.....4,734.50**

**Rear Standard f1/f2 5x7**  
(SC. 433.67; SB. 23-2215)  
With parallel shifts, swings and tilts, angle scale dial, as well as depth of field scale. To convert any f camera to 5x7 the following must be purchased 1. rear standard f2 5x7 2. bellows 5x7 3. metering back 5x7.  
**Item # SISRF257.....2,559.95**

#### Rear Carrier (Coupling) Frames

**4x5 Rear Carrier Frame**  
(SC. 433.26; SB. 23-2017)  
Used in conjunction with the c2/p2 rear standard (standard bearer) 23-2028 (433.51) to form a 4x5 rear standard. The coupling frame attaches both the bellows and the film holder to the standard. The 4x5 metering back is required to accept the groundglass and film holder.  
**Item # SICFR45.....484.95**

**5x7 Rear Carrier Frame**  
(SC. 433.27; SB. 23-2018)  
To interchange a p2 4x5 or 8x10 camera to a 5x7, used in conjunction with the c2/p2 rear standard (standard bearer) 23-2028 (433.51), or special standard bearer 23-2209 (433.52) to form a 5x7 rear standard. The coupling frame attaches both the 5x7 bellows and the film holder to the standard. The 5x7 metering back is required to accept the groundglass and film holder.  
**Item # SICFR57.....1,014.95**

Rear  
Carrier  
Frame  
4x5  
(23-2017)



**8x10 MB Rear Carrier Frame**  
(SC. 433.58; SB. 23-1919)  
To upgrade a p2 4x5 or 5x7 camera to an 8x10 camera. Must be used in conjunction with the c2/p2 rear standard (standard bearer) 23-2028 (433.51) or special standard bearer 23-2209 (433.52) to form an 8x10 rear standard. The coupling frame attaches the 8x10 bellows and film holder to the standard. The 8x10 metering back is required to accept the groundglass and film holder.  
**Item # SICFR810.....1,609.95**

BODY ACCESSORIES, *continued*

## Frames &amp; Plate Holders

**4x5 Non Metering Back (F/S Back)** (SC. 461.36; SB. 23-2027)  
Standard film holder/screen back. Consists of 4x5 screen frame II 23-2024 (461.56), 4x5 holder frame 23-2023 (461.46) and 4x5 groundglass 23-4007 (536.66). Replacement F-1 4x5.  
**Item # SIB45.....608.95**

**4x5 Metering Back**  
(SC. 462.16; SB. 22-1022)  
Same as above. Allows easy installation of a metering probe for film plane spot reading. When used with a lightmeter holder, the meter and probe are always available. Consists of 4x5 screen frame II 23-2024 (461.56), 4x5 metering frame 23-2025 (462.96) and 4x5 groundglass 23-4007 (536.66.) (Replacement F2 and P2 4x5.)  
**Item # SIMB45.....892.00**

**4x5 Metering Back e**  
(SC. 462.36; SB. 23-1920)  
Replacement for the e 4x5.  
**Item # SIMBE45 .....8,791.95**

**4x5 Holder Frame (Non MB)**  
(SC. 461.46; SB. 23-2023)  
Replacement part for 4x5 non metering back.  
**Item # SIHF45.....218.95**

**4x5 Holder Frame II MB** (SB. 23-2024)  
Replacement part for 4x5 metering back.  
**Item # SISF245.....384.95**

**4x5 Metering Holder Frame**  
(SC. 462.96; SB. 23-2025)  
Non metering backs 4x5 can be upgraded to metering backs just by replacing the non MB frame with this one. Replacement part for 4x5 metering back.  
**Item # SIHFM45.....524.95**

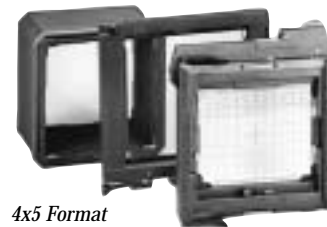
**5x7 Metering Back**  
(SC. 462.17; SB. 23-2115)  
Same as 23-1022 metering back 4x5, but for 5x7 format. Includes 5x7 groundglass 23-4010 (536.37)  
**Item # SIGHC57 .....1,554.95**

**8x10 Metering Back**  
(SC. 462.58; SB. 23-1916)  
Same as 4x5 Metering Back (23-1022) but for 8x10 format. Unique features include a fluid-dampened hydraulic system to cushion closing of the back. Includes 8x10 groundglass 23-4029 (536.58). Replacement on all current 8x10 cameras.  
**Item # SIMB810.....2,419.95**

## Format Changing Sets

Converts c2 or p2 cameras into 4x5, 5x7 or 8x10 easily. Just remove the bellows from the front standard, loosen one screw, place the format changing kit in its place, re-tighten the screw, attach the bellows, and the camera is ready for the new desired format.

**4x5 Format Changing Set**  
(SC. 497.26; SB. 23-2003)  
Converts 5x7 or 8x10 p2/c2 into a 4x5 camera. Consists of standard bellows 4x5 23-3004 (454.11), metering back 4x5 22-1022 (462.16), rear carrier frame 4x5 23-2017 (433.26).  
**Item # SIFCS45 .....1,511.00**



4x5 Format Changing Set (23-2003)

**5x7 Format Changing Set**  
(SC. 497.27; SB. 23-1901)  
Converts 4x5 or 8x10 p2/c2 into a 5x7 camera. Consists of tapered bellows 5x7 23-3001 (452.17), metering back 5x7 23-2115 (462.17), rear carrier frame 5x7 23-2018 (433.27).  
**Item # SIFCSMB57...2,859.50**

**8x10 Format Changing Set**  
(SC. 497.58; SB. 23-1902)  
Converts 4x5 or 5x7 p2/c2 into an 8x10 camera. Consists of tapered bellows 8x10 23-3008 (452.58), metering back 8x10 23-1916 (462.58), rear carrier frame 8x10 23-1919 (433.58).  
**Item # SIFCSMB810.3,300.00**

## Format Changing Set e

**4x5 Format Changing Set e**  
(SB. 23-1903)  
Converts 8x10 e camera to 4x5. Consists of metering back e 4x5 23-1920, rear carrier frame 4x5 23-2017 (433.26), square bellows 4x5 23-3004 (454.11)  
**Item # SIFCS45E.....6,808.50**

**8x10 Format Changing Set e**  
(SB. 23-1904)  
Converts 4x5 e camera to 8x10. Consists of metering back e 8x10 23-1922, rear carrier frame 8x10 23-1919 (433.58), tapered bellows 8x10 23-3008 (452.58)  
**Item # SIFCS810E ...10,444.95**

## Bellows

The Sinar system features different bellows for every application. Virtually all of them can be employed as lens shades or groundglass viewing screens. The 4x5 square universal bellows is standard with all Sinar 4x5 cameras. This versatile bellows can also be used with Multipurpose standards (front standards) to increase camera extension for all formats. The 4x5 wide angle bellows is used with shorter lenses. This "Bag Bellows" lets you use full camera movements at short extensions.

To focus with lenses 65mm or shorter, you will need the Extra Wide Angle Bellows. Its thin-frame, double-bag design allows you to move the camera standards to within 1/4 inch of each other.

The 5x7 Tapered Bellows is standard on all 5x7 cameras and connects a 5x7 back to a 4x5 front standard. It can also be combined with multipurpose (front) Standard and an 8x10 to 5x7 Special Bellows for extra-

long extensions on an 8x10, without vignetting problems. The 5x7 wide angle bellows is used with shorter lenses to get full camera movements at short extensions.

The 8x10 Tapered Bellows is available in two versions: for current meterback (MB) cameras and for the older, non metering frames (Non-MB). The 8x10 wide angle bellows is used with shorter lenses to get full camera movement on focal lengths from 120-240mm.



*Bellows continued on next page*

# SINAR

## SYSTEM



### BODY ACCESSORIES, *continued*

#### SINAR BELLOWES

Size	Type	Product# Code	Sinar Ext.	Max. Lenses	Use with	Comments	Item #	Price
4x5	Square	23-3004	454.11	19" (45cm)	135mm and up	Standard or multipurpose bellow	SIBS45	<b>\$259.00</b>
4x5	Wide Angle	23-3007	455.36	—	75-135mm	Bag Bellows	SIBWA45	<b>\$259.00</b>
4x5	Extra Wide	23-3014	455.46	—	45-65mm	For 65mm and shorter lenses	SIBEWA45	<b>\$467.00</b>
5x7	Tapered	23-3001	452.17	25" (65cm)	165mm and up	5x7 to 4x5	SIBT57	<b>\$479.95</b>
5x7	Wide Angle	23-3005	455.27	—	90-165mm	5x7 to 4x5	SIBWA57	<b>\$434.95</b>
8x10	Tapered MB	23-3008	452.58	23" (58cm)		8x10MB to 4x5	SIBTMB810	<b>\$779.00</b>
8x10	Special	23-3010	453.358	50"		8x10MB to 5x7 intermediate	SIBS810	<b>\$1594.95</b>
8x10	Wide Angle	23-3011	455.58	—	120-240mm	8x10MB to 4x5	SIBWAMB810	<b>\$865.00</b>

#### Camera Supports

**Pan Tilt Head** (SC. 516.41; SB. 23-6010)  
Maintains right-hand operation of Sinar cameras. Compact stable design. Long lever handle easily tightens and loosens. The camera plate is keyed to Sinar rail clamps for quick camera attachment, and the 360° panoramic base is calibrated for precise positioning.  
**Item # SIPTH .....449.00**

**Rail Clamp** (SC. 411.21; SB. 23-1001)  
To mount Sinar f, c and p cameras on pan tilt head 23-6010 (516.41), or directly on a tripod.  
**Item # SIRC .....229.95**

**Rail Clamp 2** (SB. 23-1019)  
"Over the top" clamping mechanism provides greater stability.  
**Item # SIRC2 .....603.95**

**Rail Clamp 2e** (SB. 23-1002)  
For e camera only. Allows two rail clamps to be mounted between the standards.  
**Item # SIRC2E .....1,899.95**

**Vapo Variable Position Rail Clamp** (23-1020)  
Adjusts leveling to make precision adjustments. It rotates the camera around its rail with a self arresting adjustment wheel. Turning the wheel adjusts only slightly, while the wheel still spins easily enough to let you make larger adjustments. Once set properly, the Vapo locks in place with the turn of a lever.  
**Item # SIRCv .....1,096.95**

**Base Plate 2 Package** (SB. 23-1116)  
Adds extra support to camera with long extension. Consists of base plate 2 23-1016; quick release adapter 23-1018; 2 clamping adapters 23-1017. (Requires one additional rail clamp to the camera.)  
**Item # SIBP2K .....1096.95**

**Clamping Adapter Rail Clamp for Base Plate 2** (SB. 23-1017)  
One clamping adapter is required for each rail clamp.  
**Item # SICA .....234.95**

**Quick Release Adapter** (SB. 23-1018)  
Attaches Base Plate 2 to tripod, etc.  
**Item # SIQRA .....109.95**

**Camera Support Platform** (SC519.21; SB 23-6008)  
For p2 standard.  
**Item # SICSP2 .....109.00**

**Universal Camera Holder** (SC519.11; SB 23-6009)  
For p2 standard.  
**Item # SICH .....109.00**

#### Black Rail Units, Caps

**6" (15cm) Extension Rail** (SC. 421.21; SB. 23-1207)  
**Item # SIER6B .....159.00**

**6" (15cm) Extension Rail for a1** (SB.42-1030)  
**Item # SIER6A1 .....109.00**

**12" (30cm) Base Rail** (SC. 422.21; SB. 23-1208)  
Extension rails can be screwed onto either end. (Replacement.)  
**Item # SIBR12B .....188.95**

**12" (30cm) Extension Rail** (SC. 423.21; SB. 23-1209)  
**Item # SIER12B .....199.00**

**18" (45cm) Extension Rail** (SC. 424.21; SB. 23-1206)  
**Item # SIER18B .....315.00**

**36" (90cm) Base Rail** (SC. 452.21; SB. 23-1210)  
For extra rigidity in setups involving long bellows extensions.  
**Item # SIBR36B .....698.95**

**Rail Cap** (SC. 429.21; SB. 23-1204)  
Prevents unlocked standards from sliding off the rail. (Replacement.)  
**Item # SIRCb .....39.95**

**Rail Cap Special** (SC. 428.31; SB. 23-1005)  
Prevents unlocked standards from sliding off when a rail extension is used as a base rail.  
**Item # SIRCSc .....21.95**

**Reducing Bushing 3/8 to 1/4"** (SC. 519.61; SB. 23-6006)  
For use with pan tilt head or rail clamp.  
**Item # SIBR .....12.95**



#### VIEWING ACCESSORIES

##### Groundglass

**4x5 Groundglass** (SC. 536.66; SB. 23-4007)  
With 1cm grid and calibrated lines for asymmetric movements. (Replacement for 4x5 cameras.)  
**Item # SIGG45 .....53.95**

4x5  
Groundglass  
(23-4007)  
shown in  
4x5  
Metering  
Back  
(22-1022)



**5x7 Groundglass** (SC. 536.37; SB. 23-4010)  
Same as above, with image size marking for standard and metric film sizes.  
**Item # SIGG57 .....64.95**

**8x10 MB Ground Glass** (SC. 536.58; SB. 23-4029)  
For 8x10 metering back cameras. With 1cm grid, calibration lines for asymmetric movements and image size markings 101/2 x 87/8".  
**Item # SIGGMB810 .....114.95**

**8x10 (Non MB) Ground Glass** (SC. 536.38; SB. 23-4009)  
Fits older style non-metering back cameras. 10 x 81/4".  
**Item # SIGG810 .....119.95**



VIEWING ACCESSORIES, *continued*

## Fresnel Lenses

Fresnel lenses offer a brighter viewing area to judge both camera movements and focusing. The fresnel can easily be snapped into place over the groundglass.

**4x5 Fresnel Lens**  
(SC. 461.76; SB. 23-2012)  
Mounted in holder.  
**Item # SIFM45.....166.00**

**4x5 Fresnel Lens Only**  
(SC. 535.26; SB. 23-4011)  
(Replacement for above.)  
**Item # SIF45.....119.95**

**5x7 Fresnel Lens**  
(SC. 535.17; SB. 23-4013)  
Fits all 5x7 camera backs.  
**Item # SIF57.....247.95**

**8x10 Fresnel Lens**  
(SB. 23-4032)  
Fits 8x10 camera MB backs.  
**Item # SIFMB810.....320.00**

## Misc. Viewing

**Bino Reflex Housing Kit** (23-4022)  
Allows you to view the entire groundglass area right side up. As the mirror is adjustable, you always have the brightest image on the groundglass, especially when used with optional fresnel lens. This kit includes the Bino Reflex Housing 23-4019 (531.12) and light hood 23-4030 (531.51).  
**Item # SIRHBK.....656.00**

**Bino Reflex Housing Only**  
23-4019 (531.12)  
Housing only, for photographers who already own a Lighthood.  
**Item # SIRHB.....607.00**

**Bino Reflex Housing with 4.25 Corrective Loupe** (23-4024)  
As above, with 4.25 corrective loupes. Includes Lighthood.  
**Item # SIRHBCL.....766.95**



Bino  
Reflex  
Housing Kit  
(23-4022)

**Bino Magnifier Board** (23-4031)  
Can be used with any bellows attached to the back of the camera to view the groundglass without having to use a dark cloth. New improved version allows you to make the Bino Board self-supporting by attaching it to a bellows clip and filter rod. (See Lenshoods and Accessories). Requires Lighthood 23-4030 (531.51).  
**Item # SIMBB.....239.95**

**Lighthood with Lightdrop**  
23-4030 (531.51)  
Attaches to either the Bino Reflex Housing or the Bino Board to block out ambient light.  
**Item # SILH.....193.00**

**Corrective Loupe**  
23-4023 (531.12.001)  
4.25 Diopter for farsighted user.  
**Item # SICL.....169.95**

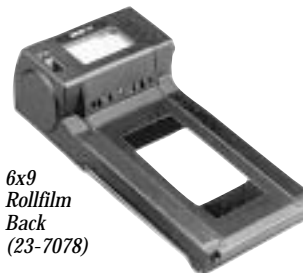
**Sinar 4x Magnifier** (23-4018)  
Large, distortion-free 1.75" field of view with perfect color fidelity. Interchangeable clear and opaque front rings adapt the loupe for print, transparency or groundglass viewing. Helical eyepiece mount adjusts to individual vision. Removable carrying cord.  
**Item # SIM4X.....114.95**



## BACK ACCESSORIES

## Film Holders

**Precision 4x5 Sheet Film Holder** (23-7065; 566.36)  
When the film holder is closed, a two stage pressure plate pushes down onto the film. This holds the film firmly in place (tolerance of +/- 0.03mm.) This guarantees that the emulsion is always in the same place, no matter how thick or thin the film base is. Three cutouts along the edges of the film holder allows the photographer to imprint copyright notes with a litho film insert. Two other adjustable dials can also imprint two digits from 0 to 9. Additional features include an indicator for knowing if the holder is loaded or not and if the film is exposed or not.  
**Item # SIFHP.....634.00**



6x9  
Rollfilm  
Back  
(23-7078)

**Zoom Multiformat Rollfilm Back II** (23-7073)  
Allows you to change the format in middle of a roll. This way you have five different formats available to you - from 4.5x6 up to 6x12. A special film advance prevents image overlap when changing from a smaller format to a larger one. In addition, the film path of the Zoom holder is designed so as to prevent the film from taking any sharp turns before it enters the film gate, thus assuring ultimate film flatness. Its ultra-thin dimensions makes it fit all 4x5 view cameras like a sheet film holder. Includes vario mask 23-7084 and film cartridge 23-7080.  
**Item # SIFBZ2MF.....2,620.00**

**8x10 Adhesive Sheet Film Holder** (23-7068)  
Film is held perfectly flat against the holder, which achieves a level of precision never before possible in 8x10 photography. Film is prevented from shifting within the holder, making it indispensable for multiple image work.  
**Item # SIFHA810.....324.95**

**5x7 Adhesive Sheet Film Holder** (23-7067)  
Same as above for 5x7 sheet film.  
**Item # SIFHA57.....234.95**

**6x9 Rollfilm Back**  
(23-7078) (567.45)  
For 120 and 220 film, 2 1/4 x 3 3/4" (6x9cm), 8 or 16 exposures. Very thin. Fits all 4x5 view cameras like a sheet film holder. Includes 6x9 mask and film cartridge 23-7080.  
**Item # SIFB69.....2,009.95**

**6x7 Rollfilm Back**  
(23-7077) (567.54)  
For 120 and 220 film, 2 1/4 x 2 3/4" (6x7cm), 10 or 20 exposures. Very thin. Fits all 4x5 view cameras like a sheet film holder. Includes 6x7 mask and film cartridge 23-7080.  
**Item # SIFB67.....2,009.95**

**Film Cartridge** (23-7080) (567.92)  
Separate cartridge for preloading. (Replacement for rollfilm backs.)  
**Item # SIFC.....74.95**

**4 Film Cartridge Package**  
(23-7082) (567.82)  
4 cartridges (as above) in box.  
**Item # SIFCS.....289.95**

**Vario Mask** (23-7084) (534.12)  
Replacement for zoom multiformat rollfilm back.  
**Item # SIMV.....126.95**

**Viewing Mask Set** (23-4016)  
For rollfilm backs.  
**Item # SIMVS.....39.95**



### BACK ACCESSORIES, continued

#### Film Plane Metering

**Broncolor FCM 2 Flashmeter** (16-1014)  
Sensitivity range EV 0 to 23. Measures flash and continuous light, separately or combined. Film plane metering with the addition of the FCM 2 Probe. Multiple flash measurement. Mean and contrast readings. Range f/1.0 - f/180.9 in 1/10 stops. ISO 3 - 4000. LCD display. Requires 9 volt battery.  
**Item # BRFCM2.....N.A.**



**Probe for FCM 2 Flashmeter** (16-1011)  
Direct film plane metering with any metering back equipped Sinar view camera.  
**Item # BRPFCM2.....N.A.**

**Sinar Booster 1** (22-1025) (525.11)  
Film plane metering probe for the Minolta Flashmeter IV or III, and for the Broncolor FCM 2 (with adapter). Measures continuous and strobe light. Reads down to .0062 lux (continuous)/.0049 lux (strobe). Long enough to reach all areas of a 4x5, 5x7 or 8x10 metering back. Window on the tip of the meter allows precise spot positioning. Two plastic bumpers prevent damage to your ground glass.  
**Item # SIB1.....1045.00**

**Exposure Calculator** (23-9020)  
Place the cap of this pencil into your set, focus the camera, measure the side marked factor and read your bellows factor. When working with the depth-of-field scale in close-up mode, the f/stop scale will give you the compensation needed.  
**Item # SICEZ.....21.95**

**Y-Sync Cable** (22-3008)  
Trigger strobes with both your shutter and light meter without switching cables. Simplifies the metering process when used with film plane meters such as the Broncolor FCM and probe, the Minolta IV/Booster 1, or the Sinar six Digital.  
**Item # SIYSC.....104.95**

**Minolta Light Meter Holder** (23-2028) (462.96.005)  
Attaches the Minolta Flashmeter IV to a Sinar camera.  
**Item # SILMHM.....87.00**

#### Reducing Backs

**8x10 MB to 4x5 Reducing Adapter** (23-1917:553.58)  
Reduces picture format from 8x10 to 4x5 without change of coupling frame or rear standard. Refocusing is not required. 4x5 F/S back 23-2027 (461.36) or 4x5 metering back 23-1022 (462.16) is required for focusing and mounting 4x5 film.  
**Item # SIRA810MB45 .1,318.00**

**5x7 to 4x5 Reducing Adapter** 23-7003 (553.27)  
The 5x7 to 4x5 Reducing Adapter reduces picture format from 5x7 to 4x5 without the change of a coupling frame or rear standard. Refocusing is not required. 4x5 F/S back 23-2027 (461.36) or 4x5 metering back 23-1022 (462.16) is required for focusing and mounting 4x5 film.  
**Item # SIRA5745.....793.95**



### FRONT ACCESSORIES

#### Auto Aperture Shutter System

The auto aperture shutter lets you control all operations from behind the camera. No more kneeling in front of your camera to check the shutter. The shutter is always fully open. When a film holder is inserted, the shutter automatically closes down. Self-cocking shutter. Shutter speeds from 1/60 to 8 sec. plus b. Aperture control from f/4 to f/45 (higher apertures controlled through DB-manual mount). Lenses must be mounted in the DB mount. For existing shutter lenses, DB conversion kit can be purchased separately.

**Auto Aperture (Copal) Shutter** (22-2001) (521.31)  
Complete with automatic cable 22-2003 (521.51), bayonet connector 22-2004 (521.91), cable release 22-2002 (521.61), synch lead adapter 22-3005 (522.11.005) and 4x4" (100mm) filter holder 58-3000.  
**Item # SIAAS.....2,399.00**

**Automatic Adapter** (22-2006) (426.58)  
For use of auto aperture shutter on 8x10 back. Permits use of Lisco holders with round corners.  
**Item # SIAAAS.....35.95**

**Cable Release** (22-2002) (521.61)  
Cable release for the Auto Aperture shutter. (Replacement.)  
**Item # SICRAAS.....178.95**

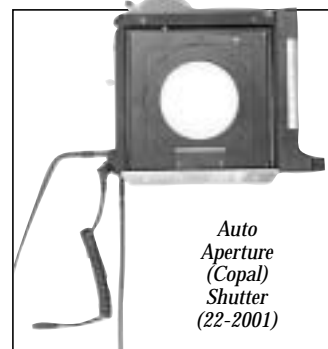
**Coupling Piece** (22-2007) (521.81)  
Used to connect two auto cables when you have a long bellows extension.  
**Item # SICP.....62.95**

**Automatic Cable** (22-2003) (521.51)  
Connects the shutter to the plateholder so that the film holder automatically closes the shutter. (Replacement.)  
**Item # SIACAAS.....203.95**

**Bayonet Piece** (22-2004) (521.91)  
Attaches the automatic cable to the camera back. (Replacement.)  
**Item # SIBPAAS.....49.50**

**Synch Lead Adapter** (22-3005) (522.11.05)  
Coiled adapter connects flash cables to Digital or Auto Aperture Shutters. (Replacement.)  
**Item # SISLAAAS.....64.95**

**Filterholder for Shutters** (58-3000)  
Allows you to mount up to 3 4x4" (100mm) filters on an Auto Aperture, Expolux or Digital Shutter. (Replacement.)  
**Item # SIFHS.....56.95**





### FRONT ACCESSORIES, *continued*

#### Bellows Hoods, Masks and Mirrors

A filter rod combined with any 4x5 bellows and a pair of bellows holders gives you an instant bellows lens hood for any Sinar camera. For added flexibility, use a joint rod which gives the lens hood a full range of adjustments.

**4x5 Universal Bellows**  
(Multipurpose Standard)  
(23-3004) (454.11)  
**Item # SIBS45.....259.00**

**4x5 Wide Angle Bellows**  
(23-3007) (455.36)  
**Item # SIBWA45.....259.00**

**4x5 Extra Wide Bellows**  
(23-3014) (455.46)  
**Item # SIBEWA45.....467.00**

**Filter Rod 4 1/4" (11cm)**  
(23-1012) (472.61)  
**Item # SIFR4.25.....21.95**

**Filter Rod 6 1/4" (1cm)**  
(23-1011) (472.71)  
**Item # SIFR6.25.....22.95**

**Filter Rod 10" (25cm)**  
(23-1010) (472.81)  
**Item # SIFR10.....39.50**

**Bellows Holder** (23-1013) (473.31)  
Lets you attach the bellows to either the filter rods or joint rod for use as a lens hood.  
**Item # SIBH.....27.95**

**Joint Rod** (23-1015)  
Two-point swivel rod for attaching a Bellows Hood to the front of the camera as a lens hood, or a bellows to the back as a focusing hood. Extends to 12" (30cm).  
**Item # SIJR.....135.00**

*Bellows Hood Mask I (23-4015)*



**Bellows Hood Mask I**  
(23-4015) (533.11)  
Functions as a lens hood and as a mask to block off part of the image from being exposed. Attaches to a Multipurpose standard or a bellows holder. Features two built-in wings and a set of clips to hold two additional supplied wings, or custom mask designs.  
**Item # SIBHM1.....138.00**

**Bellows Hood Mask II**  
(23-4025) (533.21)  
Uses four micrometer-driven curtains to give you precision masking capability and easy multiple images. As a lens hood, you get maximum reduction of stray light, resulting in better color saturation. Attaches to a Multipurpose standard, or to a Filterholder I for rotation capability.  
**Item # SIBHM2.....767.00**

**5x5" (12x12cm) Semi Reflecting Mirror with Housing** (23-4005) (539.11)  
50/50% mirror lets your camera "see" two sets at once. Solves lighting problems in close-ups. Projects images onto a background screen with front projection set-ups, making it a valuable special effects tool. Mounts on a Multipurpose standard.  
**Item # SIMSR.....654.95**



*Bellows Hood Mask II (23-4025)*

**4x6 Front Surface Mirror**  
(23-4001)  
Mounts to Multipurpose Standard for special effects photography.  
**Item # SIMFS.....146.95**

*5x5" Semi Reflecting Mirror with Housing (23-4005)*



#### Lens Boards

**Blank Lensboard** (24-1001) (441.11)  
5 1/16 x 5 1/16 (139 mm x 139 mm) undrilled board.  
**Item # SILBB.....64.00**

**#0 Drilled Lensboard**  
(24-1048) (441.21.501)  
5 1/16 x 5 1/16 (139 mm x 139 mm) board, drilled for #0 shutter.  
**Item # SILB0.....86.00**



**#1 Drilled Lensboard**  
(24-1049) (441.21.502)  
5 1/16 x 5 1/16 (139 mm x 139 mm) board, drilled for #1 shutter.  
**Item # SILB1.....86.00**

**#3 Drilled Lensboard**  
(24-1050) (441.21.517)  
5 1/16 x 5 1/16 (139 mm x 139 mm) board, drilled for #3 shutter.  
**Item # SILB3.....86.00**

**#0 Recessed Board**  
(24-1052) (441.11.13)  
Recessed board for wide angle lenses. Drilled for #0 shutter (for 47mm f/5.6 Super Angulon Lens).  
**Item # SILBR4756SA.....303.95**

**#00 Recessed Board**  
(24-1053) (441.11.15)  
Recessed board for wide angle lenses. Drilled for #00 shutter (for 65mm f/8 Super Angulon Lens).  
**Item # SILBR658SA.....303.95**

**X800 Board with Spacer**  
(24-1051) (444.50)  
Specify lens.  
**Item # SILBX800.....218.95**

**Linhof Lensboard Adapter**  
(24-1005) (441.91)  
Allows use of Linhof Technika mounted lenses onto a Sinar camera.  
**Item # SILBAL.....434.95**

**Hasselblad Lens Adapter**  
(23-7008)  
Allows the use of Hasselblad lenses onto a Sinar camera. Best if used with rollfilm backs.  
**Item # SIHLA.....224.95**

**Hasselblad Body Adapter**  
(23-7007)  
Mounts Hasselblad camera body onto rear standard in place of metering back. It turns the Sinar into a bellows unit with full Sinar camera movements.  
**Item # SIHBA.....609.95**

**Lensboard Holder** (24-1002)  
Prevents released lenses from falling off the standard.  
**Item # SILBH.....22.95**

# S I N A R

## S Y S T E M

VIEW CAMERAS

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### DB CONVERSION (DO-IT-YOURSELF) KITS

#### DB Conversion kits for Rodenstock

LENS TYPE	mm	Product #	B&H Item#	Price
Grandagon	75mm f/4.5	24-1082	SIDBK7545R	572.95
	90mm f/4.5	24-1084	SIDBK9045R	572.95
Grandagon	75mm f/6.8	24-1086	SIDBK7568R	572.95
	90mm f/6.8	24-1088	SIDBK9068R	572.95
	115mm f/6.8	24-1090	SIDBK11568R	572.95
Sironar-N	100mm f/5.6	24-1014	SIDBK10056R	572.95
	135mm f/5.6	24-1013	SIDBK13556R	572.95
	150mm f/5.6	24-1015	SIDBK15056R	572.95
	180mm f/5.6	24-1016	SIDBK18056R	572.95
	210mm f/5.6	24-1017	SIDBK21056R	572.95
	240mm f/5.6	24-1029	SIDBK24056R	744.95
	300mm f/5.6	24-1030	SIDBK30056R	1,052.95
	360mm f/6.8	24-1031	SIDBK36068R	1,052.95
Makro-Sironar	210mm f/5.6	24-1066	SIDBK21056RQ	744.95
	300mm f/5.6	24-1067	SIDBK30056RQ	1,052.95
Apo-Sironar MC	150mm f/5.6	24-1091	SIDBK15056RQ	572.95
	210mm f/5.6	24-1092	SIDBK21056RZ	1,052.95
Apo-Ronar	150mm f/9	24-1080	SIDBK1509R	572.95
	240mm f/9	24-1032	SIDBK2409R	879.95
	300mm f/9	24-1033	SIDBK3009R	879.95
	360mm f/9	24-1034	SIDBK3609R	1,052.95
	420mm f/9	24-1035	SIDBK4209R	1,052.95
	480mm f/9	24-1036	SIDBK4809R	1,052.95

#### DB Conversion kits for Schneider

LENS TYPE	mm	Product #	B&H Item#	Price
Super Angulon	75mm f/5.6	24-1021	SIDBK7556S	572.95
	90mm f/5.6	24-1022	SIDBK9056S	572.95
Super Angulon	75mm f/8	24-1023	SIDBK758S	572.95
	90mm f/8	24-1019	SIDBK908S	572.95
	120mm f/8	24-1020	SIDBK1208S	879.95
Symmar-S	100mm f/5.6	24-1024	SIDBK10056S	572.95
	120mm f/5.6	24-1073	SIDBK12056S	572.95
	135mm f/5.6	24-1025	SIDBK13556S	572.95
	150mm f/5.6	24-1018	SIDBK15056S	572.95
	180mm f/5.6	24-1026	SIDBK18056S	572.95
	210mm f/5.6	24-1027	SIDBK21056S	572.95
	240mm f/5.6	24-1028	SIDBK24056S	744.95
	300mm f/5.6	24-1007	SIDBK30056S	1,052.95
	360mm f/6.8	24-1008	SIDBK36068S	1,052.95
	480mm f/8.4	24-1009	SIDBK48084S	1,052.95
Super Symmar HM	150mm f/5.6	24-1076	SIDBK15056SQ	572.95
	210mm f/5.6	24-1077	SIDBK21056SQ	744.95
Apo-Symmar	120mm f/5.6	24-1093	SIDBK12056SQ	572.95
	150mm f/5.6	24-1094	SIDBK15056SZ	572.95
	210mm f/5.6	24-1095	SIDBK21056SZ	572.95

#### DB Conversion kits for Nikkor

LENS TYPE	mm	Product #	B&H Item#	Price
Nikkor SW	75mm f/4.5	24-1068	SIDBK7545N	572.95
	90mm f/4.5	24-1044	SIDBK9045N	572.95
	90mmf/8	24-1075	SIDBK908N	572.95
Nikkor W	100mm f/5.6	24-1069	SIDBK10056N	572.95
	135mm f/5.6	24-1037	SIDBK13556N	572.95
	150mm f/5.6	24-1038	SIDBK15056N	572.95
	180mm f/5.6	24-1039	SIDBK18056N	572.95
	210mm f/5.6	24-1040	SIDBK21056N	572.95
Nikkor W	240mm f/6.3	24-1041	SIDBK24063N	744.95
	300mm f/6.3	24-1042	SIDBK30063N	1052.95
Nikkor M	300mm f/9	24-1046	SIDBK3009N	879.95
	450mm f/9	24-1063	SIDBK4509N	1052.95
Nikkor AM-ED	120mm f/5.6	24-1070	SIDBK12056N	572.95



#### CASES

**Camera/Accessory Case (23-5021)**  
Designed to be top loaded with the camera supported by the rail. Vertical dividers keep the camera firmly in place. High density polyethylene. Interior surfaces covered with foam. Outside dimensions are 20" L x 11" W x 18" D. Weighs 5 lbs. **Item # SICC.....399.95**

**f1 & f2 Image Case (23-5026)**  
Holds either the f1 or the f2 in a custom foam insert. The attache styled Image Case has room to store 2 lenses, 2 extension rails, 6 film holders, a Polaroid 545 holder, wide angle bellows and bellow clips. Light weight aluminum closure with a padded handle and suitcase-style latches. The locks prevent the case from being opened upside down. Outside dimensions are 21 x 13 x 8" D LWD. Weighs 2.5 lbs. **Item # SICF11.....203.95**

**Expolux Case (23-5011)**  
Securely holds an entire Expolux shutter system for transportation or storage. Measures 25 x 18 x 7". **Item # SICE.....218.95**



**Heavy Duty Expert Case (23-5023)**  
Holds either a 4x5 or 8x10 camera along with a full load of accessories. Shock absorbing rib design. Velcro straps secure the camera. Heavy duty military latches. Recessed, spring loaded padded handles on the front and top of the case. 3" hard rubber casters. Outside dimensions: 25 x 19 x 15" LWD. Weighs 9.5 lbs. **Item # SICEQ.....549.95**

**Large Dust Cover (23-5034)**  
Keeps your camera dust-free when not in use. **Item # SIDC.....69.95**

**Lens Box (24-1003)**  
Keeps your large format lenses safe, whether they are on location or on the shelf. **Item # SILC.....22.95**



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## SINARON LENSES

Sinaron lenses are manufactured to the highest professional standards. Designed for optimum resolution, contrast and color rendition with minimal fall-off distortion and flare, they are mounted at the exact center of the lensboard and are carefully aligned. Sinaron lenses are mounted with minimum deviation in centering and separation between the matched element groups. Tested for the best

possible image performance, these lenses are designed to let the photographer take full advantage of the wide range of swings and tilts available on Sinar cameras. When used with Sinar cameras, Sinaron lenses provide matched bearing points on the lensboard and lens standard, and minimum deviations between the film plane and the image standard bearing points.

## SINARON LENS SPECIFICATIONS

Lens Type	mm	Angle of Coverage	Copal Shutter	Filter Thread	Image Circle at f/22	Shifts in mm at infinity and f/22			
						4x5	5x7	8x10	
sinaron-we	45mm f/4.5	110°	0	58	131mm	- -	- -	- -	
	55mm f/4.5	110°	0	67	163mm	5 7	- -	- -	
sinaron-w	65mm f/4.5	105°	0	58	170mm	10 12	- -	- -	
	75mm f/4.5	105°	0	67	195mm	25 29	- -	- -	
	90mm f/4.5	105°	1	82	236mm	48 54	16 20	- -	
	75mm f/6.8	102°	0	58	187mm	20 24	- -	- -	
	90mm f/6.8	102°	0	67	221mm	40 45	7 9	- -	
	115mm f/6.8	104°	1	82	291mm	77 85	47 57	- -	
	155mm f/6.8	102°	1	105	382mm	125 133	95 110	42 50	
<i>Distortion at infinity minimized to below 0.5%</i>									
sinaron-s	135mm f/5.6	72°	0	40.5	200mm	28 32	- -	- -	
	150mm f/5.6	72°	0	49	214mm	36 41	2 3	- -	
	180mm f/5.6	72°	1	39	262mm	62 68	30 38	- -	
	210mm f/5.6	72°	1	67	310mm	83 90	52 63	- -	
	240mm f/5.6	72°	3	77	350mm	108 116	79 92	23 28	
	300mm f/5.6	72°	3	86	425mm	139 148	110 125	58 67	
	360mm f/6.8	64°	3	105	435mm	152 161	123 139	72 83	
<i>Angle of coverage lets you take full advantage of camera movements without sacrificing quality.</i>									
sinaron-se	135mm f/5.6	75°	0	49	208mm	32 37	- -	- -	
	150mm f/5.6	75°	0	49	231mm	45 50	12 16	- -	
	180mm f/5.6	75°	1	67	276mm	69 76	38 47	- -	
	210mm f/6.8	75°	1	72	316mm	91 98	60 72	2 3	
	240mm f/6.8	75°	3	86	372mm	120 128	90 104	36 43	
	300mm f/6.8	75°	3	100	448mm	159 168	130 146	79 91	
	360mm f/6.8	68°	3	112	468mm	169 178	140 157	90 102	
sinaron-ws	150mm f/5.6	80°	1	72	252mm	56 63	26 33	- -	
	210mm f/5.6	80°	3	105	352mm	109 117	80 94	24 29	
	300mm f/5.6	80°	3	127	490mm	180 190	152 169	102 115	
Macro sinaron	180mm f/5.6	70°	1	67	302mm	83 90	52 63	- -	1:5
		60°			415mm	142 150	113 128	61 70	1:1
	300mm f/5.6	50°	3	77	360mm	115 123	85 99	30 36	1:3
					550mm	208 217	180 198	132 146	1:1
<i>Four element symmetrical design.</i>									
Apo sinaron	240mm f/9	48°	1	49	212mm	35 39	- -	- -	
	300mm f/9	48°	1	49	264mm	63 70	32 40	- -	
	360mm f/9	48°	3	58	318mm	92 99	62 74	3 4	
	480mm f/9	46°	3	67	396mm	132 141	104 118	50 59	
<i>Flat-field lenses, often referred to as process lenses, are designed for copy work at a 1:1 reproduction ratio. Their apochromatic design ensures that all wavelengths of light are focused in the same plane, rendering fine detail with maximum sharpness. This is an advantage in copy-work, landscapes and jewelry.</i>									



# SINAR

## SYSTEM

VIEW CAMERAS

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### sinaron Lenses

LENS TYPE		Copal Mounted Lenses include Lens precision mounted on Sinar lensboard with lens case			DB mounted lenses are for use with Sinar automatic behind-the-lens shutters precision mounted on Sinar DB lens board			DB conversion kits for sinaron copal lenses. (do it yourself kits)		
	Lens	Product#	B&H Item#	Price	Product#	B&H Item#	Price	Product#	B&H Item#	Price
sinaron-we	45mm f/4.5	24-7208	SI4545SWE	1,559.95	N/A	—	—	N/A	—	—
	55mm f/4.5	24-7209	SI5545SWE	1,628.95	N/A	—	—	N/A	—	—
sinaron-w	65mm f/4.5	24-7201	SI6545SW	1,424.95	24-3101	SI6545SWDB	1,424.95	24-1101	SIDBK6545	572.95
	75mm f/4.5	24-7202	SI7545SW	1,498.95	24-3102	SI7545SWDB	1,498.95	24-1102	SIDBK7545	572.95
	90mm f/4.5	24-7203	SI9045SW	1,698.95	24-3103	SI9045SWDB	1,698.95	24-1103	SIDBK9045	572.95
	75mm f/6.8	N/A	—	—	N/A	—	—	24-1104	SIDBK7568	572.95
	90mm f/6.8	24-7205	SI9068SW	1144.95	24-3105	SI9068SWDB	1,144.95	24-1105	SIDBK9068	572.95
	115mm f/6.8	24-7206	SI11568SW	1738.95	24-3106	SI11568SWDB	1,738.95	24-1106	SIDBK11568	572.95
	155mm f/6.8	24-7207	SI15568SW	3618.50	N/A	—	—	N/A	—	—
sinaron-s	135mm f/5.6	24-7210	SI13556SS	788.95	24-3110	SI13556SSDB	788.95	24-1110	SIDBK13556	572.95
	150mm f/5.6	24-7211	SI15056SSLB	809.00	24-3111	SI15056SSDB	808.95	24-1111	SIDBK15056	572.95
	180mm f/5.6	24-7212	SI18056SS	1,018.95	24-3112	SI18056SSDB	1,018.95	24-1112	SIDBK18056	572.95
	210mm f/5.6	24-7213	SI21056SS	1,109.00	24-3113	SI21056SSDB	1,108.95	24-1113	SIDBK21056	572.95
	240mm f/5.6	24-7214	SI24056SS	1,698.95	24-3114	SI24056SSDB	1,698.95	24-1114	SIDBK24056	744.95
	*300mm f/6.8	24-7215	SI30068SSLB	2,668.50	24-3115	SI30068SSDB	2,668.50	24-1115	SIDBK30068	1,052.95
	*360mm f/6.8	24-7216	SI36068SS	2,988.50	24-3116	SI36068SSDB	2,988.50	24-1116	SIDBK36068	1,052.95
	*480mm f/9	24-7217	SI4809SS	3,648.50	24-3117	SI4809SSDB	3,648.50	24-1117	SIDBK4809	1,052.95
sinaron-se	135mm f/5.6	24-7235	SI13556SSE	928.95	24-3135	SI13556SSEDB	928.95	24-1130	SIDBK13556Q	572.95
	150mm f/5.6	24-7236	SI15056SSE	968.95	24-3136	SI15056SSEDB	968.95	24-1131	SIDBK15056Z	572.95
	180mm f/5.6	24-7237	SI18056SSE	1,168.95	24-3137	SI18056SSEDB	1,168.95	24-1132	SIDBK18056Q	572.95
	210mm f/5.6	24-7238	SI21056SSE	1,328.95	24-3138	SI21056SSEDB	1,328.95	24-1133	SIDBK21056	572.95
	240mm f/5.6	24-7239	SI24056SSE	2,458.95	24-3139	SI24056SSEDB	2,458.95	24-1134	SIDBK24056Q	744.95
	*300mm f/5.6	24-7240	SI30056SSE	3,208.50	24-3140	SI30056SSEDB	3,208.50	24-1135	SIDBK30056Q	1,052.95
	*360mm f/6.8	24-7241	SI36068SSE	3,598.50	24-3141	SI36068SSEDB	3,598.50	24-1136	SIDBK36068Q	1,052.95
sinaron-ws	150mm f/5.6	24-7218	SI15056SWS	1,298.95	24-3118	SI15056SWSD	1,298.95	24-1118	SIDBK15056Q	572.95
	210mm f/5.6	24-7219	SI21056SWS	1,988.95	24-3119	SI21056SWSD	1,988.95	24-1119	SIDBK21056Q	1,052.95
	300mm f/5.6	24-7220	SI30056SWS	3,468.50	N/A	—	—	N/A	—	—
Macro sinaron	180mm f/5.6	24-7223	SI18056MS	1,718.95	24-3123	SI18056MSDB	1,718.95	N/A	—	—
	210mm f/5.6	N/A	—	—	N/A	—	—	24-1113	SIDBK21056	572.95
	*300mm f/5.6	24-7222	SI30056MS	3,698.50	24-3122	SI30056MSDB	3,698.50	24-1122	SIDBK30056	1,052.95
Apo sinaron	150mm f/9	N/A	—	—	—	—	—	24-1125	SIDBK1509	572.95
	240mm f/9	24-7226	SI2409AS	1,418.95	24-3126	SI2409ASDB	1,418.95	24-1126	SIDBK2409	848.95
	300mm f/9	24-7227	SI3009AS	1,598.95	24-3127	SI3009ASDB	1,598.95	24-1127	SIDBK3009	848.95
	*360mm f/9	24-7228	SI3609AS	2,208.95	24-3128	SI3609ASDB	2,208.95	24-1128	SIDBK3609	1,052.95
	*480mm f/9	24-7229	SI4809AS	2,608.50	24-3129	SI4809ASDB	2,608.50	24-1129	SIDBK4809Q	1,052.95

\*Manual override already built in for smaller aperture openings. Manual override may be ordered for any DB lens or conversion kit for an additional \$274.95  
Order regular product number plus (24-1061) or B&H Item# plus MDR



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# SINAR

## SYSTEM



### ELECTRONIC IMAGING

#### Individual System Components

**p2/Leaf Horizontal Adapter** (25-1915)  
For the DCB II and CatchLight.  
**Item # SILHAP2 .....4,514.50**

**p2/Kodak Horizontal Adapter** (25-1920)  
For the Kodak DCS-465 Digital camera.  
**Item # SIKHAP2 .....4,514.50**

**Leaf/Expolux Release Cable 2** (25-1916)  
Replacement cable for the horizontal adapter.  
**Item # SICRDCB2 .....264.95**

**Kodak/Expolux Release Cable** (25-1931)  
Replacement cable for the horizontal Sinar/Kodak adapter.  
**Item # SICRKDCS .....239.95**

**Format Mask, Phase 1** (25-1962)  
Masks any 4x5 Sinar groundglass to the image area of the Phase 1 digital back.  
**Item # SIFMP1 .....31.95**

**Format Mask Dicommed** (25-1963)  
Masks any 4x5 Sinar groundglass to the image area of the Dicommed scan back.  
**Item # SIFMD .....31.95**

**Filter Holder Kit, Dicommed** (25-1964)  
Attaches either size Dicommed filter to the back of the Auto-Aperture shutter.  
**Item # SIFHKD .....286.95**

**p2/Megavision Adapter** (25-1960Q)  
**Item # SIP2MA .....T.B.A.**

*See outfits on page 195*

#### Video Viewer

The Video Viewer makes it much easier for you to compose your shots when using a Leaf or Kodak digital back on Sinar view cameras. It takes the groundglass image and places it on any TV monitor. This allows you to see your exact composition while you are adjusting your set, instead of having to run back and forth to the camera. Fits on any Sinar/Leaf or Sinar/Kodak adapter in place of the normal magnifier. The angle of the Viewer is adjustable to get the brightest possible image, even with camera movements applied. The Viewer is supplied with a special replacement groundglass to further improve the video image. On Sinar p2 and x/d cameras, the viewer's Video Box lets you distribute the video signal to up to

three separate monitors. On the CapCam, you can use the Video Box to drive an external monitor, or the viewer can share the 4" LCD focusing monitor built into the camera.

**Video Viewer** (25-1960)  
Includes the Viewer attachment, video box and focusing screen (please specify camera body and digital back). Requires NTSC monitor.  
**Item # SIVV .....5,506.50**

**Video Box** (25-1961)  
**Item # SIVB .....1,868.95**

**Video Power Supply Cable** (25-1965)  
Replacement.  
**Item # SIPCVC .....59.95**

**Video Signal Cable** (25-1966)  
**Item # SISCV .....59.95**



### SINARON DIGITAL LENSES

Conventional view camera lenses are not very well suited for use with the new area CCD capture backs. The focal lengths of view camera lenses become too long for studio use. What would be a normal lens on a 4x5 becomes the equivalent of over 500mm when used on a 3x3cm CCD.

The Sinaron-Digital lenses have been designed for use with the Leaf Digital Studio Camera on

a Sinar p2 view camera. The Digital lenses have shorter focal lengths which are appropriate to the smaller size of the CCD chips relative to 4x5 film. They also feature increased resolution to get the most out of the high pixel density of area CCDs.

The lenses are mounted behind the front standard, which moves the lens and CCD as close together as possible while still maintaining a comfortable separation between the standards. This permits greater swings and

tilts than traditional view camera lenses.

Digital lenses are supplied in special DB mounts. They can only be used with the Expolux shutter system.

The lenses are available in two versions — standard, which can be used with any Expolux Shutter, and Tricolor, which can only be used with the Tricolor shutter — and offer you greater camera movements.



Focal Length	4x5 Equivalent	Aperture Range	Angle of Coverage	Image Circle at Infinity	Shifts at Infinity	Tricolor Product #	B&H Item #	B&H Price
40mm	150mm	4.0-16	62°	49mm	4mm	25-3160	SI404SDDBT	2,036.95
45mm	170mm	4.5-32	82°	80mm	22mm	25-3167	SI4545SDDB	2,749.95
55mm	210mm	4.5-32	83°	101mm	33mm	25-3168	SI5545SDDB	2,854.95
60mm	240mm	4.0-22	64°	77mm	20mm	25-3162	SI604SDDBT	2,719.50
80mm	300mm	4.0-32	58°	92mm	28mm	25-3163	SI804SDDBT	3,163.50
105mm	420mm	4.0-32	54°	107mm	36mm	25-3165	SI1054SDDBT	3,299.95
135mm	480mm	5.6-45	58°	150mm	58mm	25-3164	SI13556SDDBT	3,299.95

# SINAR

## SYSTEM



### ELECTRONIC IMAGING, *continued*

VIEW CAMERAS

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### Expolux Electronic Shutter System

The Expolux electronic shutter system brings state-of-the-art electronics and a new level of user-friendliness to the Sinar shutter line. Expolux, like all Sinar shutters, lets you control all your lenses with a single shutter for greater accuracy.



*Expolux Electronic Shutter System*

#### Expolux Shutter (22-4010)

This electronic, fully automatic behind-the-lens shutter, electronically controlled step motors, gives extremely accurate exposures in small increments down to 1/500 sec., with an aperture range of f/4 to f/128. The Expolux shutter can be controlled either from the Expolux Monitor, or directly by the Sinar e camera.

**Item # SISE .....5,109.50**

#### Expolux Monitor (22-4020)

A 3x4" LCD display, the "brains" of the Expolux system, gives you total control over shutter functions, metering and exposure calculation. All program functions are on an interchangeable RAM card. This allows new functions to be added to the system just by inserting an updated Expolux Card.

**Item # SIME .....3,103.50**

#### Expolux Power Supply (22-4015)

Universal-voltage unit powers the entire Expolux system.

**Item # SIPSE .....939.95**

#### Expolux Card (22-4022)

Contains all program functions of the Expolux Monitor.

**Item # SICEJ .....234.95**

#### Expolux Booster (22-4025)

Exposure probe feeds spot readings from the film plane to the Expolux Monitor for precise light metering. Measures both flash and continuous light, and all areas of the groundglass. Powered by the Expolux system.

**Item # SIBE .....1,304.95**

#### Expolux System Complete (22-4000)

Includes Expolux Shutter, Expolux Monitor, Expolux Power Supply, Expolux Card, Expolux Monitor Holder, and Expolux Booster.

**Item # SIEK .....9,915.95**

#### "Easy Mode" Package (22-4005)

An Expolux system without lightmetering capability. Software runs in the simplified "Easy Mode". The Easy Mode can be upgraded to a full Expolux system by adding an Expolux Booster.

**Item # SIEEM .....8703.95**

#### Expolux Tricolor

##### Macintosh Version (25-1900)

For digital imaging applications, you can control Expolux directly from your Macintosh computer, eliminating the need for the Expolux Monitor and greatly reducing the cost of the shutter package.

**Item # SITCSEM .....4,994.50**

##### Expolux for Catchlight/DCS 465 Macintosh Version (25-1901)

**Item # SIEKDCS465M 4,304.50**

#### Expolux Tricolor Shutter for 3-Shot Backs (25-2000)

For backs which shoot 3 exposures through red, green and blue filters, the Expolux Tricolor shutter eliminates the need for an external filter wheel. This leaves the front of the camera free to mount a compendium lens shade to help increase contrast and color saturation.

**Item # SITCSE .....3,803.50**

### Expolux Components

#### Monitor Holder (22-4030)

Attaches the Expolux Monitor to your Sinar camera.

**Item # SIEMH .....224.95**

#### Monitor-Shutter Cable (22-4026)

Replacement.

**Item # SISCSE .....107.95**

#### Monitor-Power

##### Supply Cable (22-4027)

Replacement.

**Item # SIPSCEM .....144.95**

#### Expolux Shutter

##### Release Cable (22-4021)

**Item # SISRCE .....169.95**

#### e Release Cable (22-2015)

Required when using the Expolux Shutter with the Sinar e camera.

**Item # SICRE .....148.95**

#### Extension Cable (22-2018)

Control Unit.

**Item # SICUEE .....169.95**

#### e Data Cable Extension (22-2016)

**Item # SIDCEE .....T.B.A.**

### Miscellaneous Electronic Imaging Accessories

#### Adapter for Leaf Digital Camera Back (25-1910)

This sliding adapter mounts the Leaf DCB to the Sinar p2 camera. It can accept any Hasselblad finder.

**Item # SILDA .....4,654.95**

#### x/Leaf Tricolor Package (25-1922)

**Item # SIIKXDL .....6,609.50**

#### Adjustable Viewfinder (25-1911)

For Leaf/Kodak. Allows you to view the groundglass from any angle with any combination of movements.

**Item # SIFLDA .....974.95**

#### Filter Wheel Adapter (25-1912)

**Item # SIFWSA .....129.95**

#### Leaf/Expolux Release Cable (25-1913)

**Item # SICRLE .....284.95**

#### Special 90° Adapter (25-1914)

Angles the power cable of the Leaf DCB so it does not interfere with camera movements.

**Item # SIPQ .....324.95**



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# TOYO

## 45C 4x5 SYSTEM

VIEW CAMERAS

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*Successful photographers strive for new creative challenges and rely upon large format cameras for ultimate image quality. Toyo cameras are designed to meet the most demanding practical and creative needs of the working photographer. The Toyo-View 45C is the entry level 4x5 model in the Toyo Modular system. It has a complete range of independent locking movements and capabilities, prepared to meet any professional demand. Design includes front and rear rack and pinion fine focus and geared rise. Its light weight makes it ideal for outdoor use. It utilizes all of the Toyo Modular system components and viewing accessories, including interchangeable bellows, monorails and 8x10 conversion kits.*



*Toyo 45C Camera (180-104) shown with optional wide-angle bellows and lens*

### FEATURES

- Versatile, economical full movement view camera for studio and location
- Polycarbonate frames and base blocks offer light and rugged construction with geared rise and focus movements
- Dual axis spirit level on rear standard
- Uses all Toyo G system accessories
- Non-vignetting 360° revolving back with Easyload Bail Arm
- Convertible to 5x7 and 8x10 by adding bellows, rear frame and back
- Rack and pinion micro fine focusing on front and rear
- Non-vignetting 360° revolving back with Easyload Bail Arm
- Center tilt
- Portable (9 lbs., folds flat with bellows detached)
- Independent shift
- Independent locks on all movements
- Interchangeable 39ø monorail
- A good choice for students or beginners due to its simple, straight-forward design and reasonable cost

**45C Camera 180-104 (87)**  
Consists of: Non-vignetting 360° revolving back with Easyload Bail Arm, Toyo grid groundglass with 6x7cm and 6x9cm markings, quick release mounting block with 1/4" and 3/8" tripod sockets, standard bellows, 450mm universal monorail (can be interchanged with Toyo G rail system) and predrilled #0 lensboard.  
**Item # TO45C.....1,079.00**

- 120mm geared rise
- Lightweight, can be used easily in the field

### 45C SPECIFICATIONS

#### TILTS

Front 96°; Rear 96°

#### SWINGS

Front 360°; Rear 360°

#### RISE & FALL

Front 4.7" (120mm);  
Rear 4.7" (120mm)

#### LATERAL SHIFT

Front 3.5" (90mm);  
Rear 3.5" (90mm)

#### CAMERA BACK:

International Standard 4x5  
Revolving Back

#### FOCUSING SCREEN:

Etched 4x5 Grid

#### INTERCHANGEABLE

#### BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.2" (82mm) with Standard  
Board 1.6" (42mm) with  
Recessed Board

#### MAXIMUM EXTENSION:

17.7" (449mm)

#### MONORAIL LENGTH:

17.7" (450mm)

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS:

19 x 14 x 11"  
(474 x 352 x 274mm) LHW

#### WEIGHT:

9 lbs. (4kg)

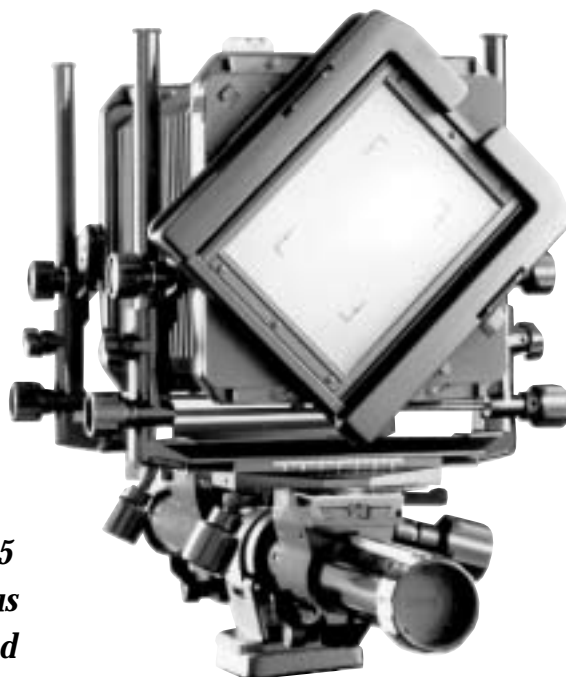
*Subject to change without notice*

**All items are complete with all accessories as supplied by the manufacturer**

# TOYO

## 45 GII 4x5 SYSTEM

*The Toyo 45 GII is the centerpiece of the extensive Toyo G series. A heavy-duty, wide-framed, all-metal fully modular multiformat camera system, the 4x5 camera can be converted to 2¼ x 3¼", up to 8x10". Universal and format related components and accessories are interchangeable, creating a comprehensive system which grows with your professional needs. For ease of operation, all of the controls, functions, reliability and rigidity are identical for each format camera. The Toyo 45 GII offers the photographer silky-smooth controls, generous movements and a durable, practical design. First introduced as the 45 G in 1978, this camera is still the workhorse for many professionals.*



Toyo 45 GII Pro Camera (180-220)  
shown with revolving back

VIEW CAMERAS

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### FEATURES

- Heavy duty modular system camera with precise geared control
  - Toyo non-vignetting 360° revolving back with Easyload Bail Arm
  - Rack and Pinion micro fine focusing on front and rear
  - Center tilt
  - A good choice for the beginning professional or advanced amateur
  - Dual axis spirit levels
  - Convertible to 5x7 and 8x10 by adding bellows, rear frame and back
  - Independent locks on all movements
  - Extreme 145mm geared rise and 70mm geared shift front and rear
- Toyo 45 GII Pro Camera 180-220 (114)  
Consists of a non-vignetting 360° revolving back with Easyload Bail Arm, Toyo acid etched grid groundglass with 6x7cm and 6x9cm markings, quick release mounting block with ¼" and ⅜" tripod sockets, 250mm basic monorail, 250mm extension monorail, standard bellows, predrilled #0 lensboard  
Item # TO45G2.....2,615.00

### 45 GII SPECIFICATIONS

#### TILTS

Front 80°, Rear 80°

#### SWINGS

Front 60°, Rear 60°

#### RISE & FALL

Front 5.7" (145mm),  
Rear 5.7" (145mm)

#### LATERAL SHIFT

Front 2.8" (70mm),  
Rear 2.8" (70mm)

#### CAMERA BACK

International Standard 4x5  
Revolving Back

#### FOCUSING SCREEN:

4x5 Fresnel Lens

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.9" (99mm) with Standard  
Board 2" (50mm) with  
Recessed Board

#### MAXIMUM EXTENSION:

19" (485mm)

#### MONORAIL LENGTH:

9.8 x 9.8" (250x250mm)

#### YAW-FREE:

Convertible at Factory

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED

#### DIMENSIONS:

11 x 13 x 10"  
(291 x 330 x 264mm)

#### WEIGHT:

12.1 lbs (5.5kg)

Subject to change without notice



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# TOYO

## 4 5 G X 4 x 5 S Y S T E M

VIEW CAMERAS

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*The latest in Yaw-Free design cameras, the Toyo GX offers both base and center axis tilt for total image control and freedom to choose any operating technique. The Toyo GX, in the tradition of the Modular System, maintains complete compatibility with all existing Toyo cameras. In addition to the fine geared controls and movement capability of the traditional Toyo G series, the GX features Toyo's unique bi-axial yaw-free design with dual system base and center axis tilts, as well as a 1/3 stop calibrated depth-of-field calculator, GX Zero midpoint calibrated rack and pinion rise and large control knobs.*



Toyo 45 GX  
Pro Camera (180-209)  
shown with optional lens

### FEATURES

- **Bi-axial Yaw-Free system camera with precise geared control**
- **Convertible to 5x7 and 8x10 by adding bellows, rear frame and back**
- **Rack and pinion micro fine focusing on front and rear**
- **Non-vignetting 360° revolving back with Easyload Bail Arm**
- **Rapid base tilt and center tilt**
- **Independent locks on all movements**
- **GX depth-of-field calculator (1/3 stop increments)**
- **Large super grip control knobs**
- **GX Zero mid-point calibrated rack and pinion rise**
- **Expanded monorail**
- **Time proven "U" frame design**
- **Dual axis spirit levels (front and rear)**

Toyo 45 GX  
Pro Camera 180-209 (103)  
Consists of non-vignetting 360° revolving back with Easyload Bail Arm, GX depth-of-field calculator knob, Toyo Super Brite Fresnel lens, Toyo acid etched grid groundglass with 6 x 7 and 6 x 9cm markings, quick release mounting block with 1/4" and 3/8" tripod sockets, standard bellows, 250mm basic monorail, 250mm Extension monorail and pre-drilled #0 Lensboard.  
Item # TO45GX.....3,115.00

### 45GX SPECIFICATIONS

**CENTER TILTS**  
Front: 80°; Rear: 80°

**BASE TILTS**  
Front: 90°; Rear: 90°

**SWINGS**  
Front: 60°; Rear: 60°

**RISE & FALL**  
Front: 5.7" (145mm);  
Rear: 5.7" (145mm)

*Subject to change without notice*

**LATERAL SHIFT**  
Front: 2.8" (70mm);  
Rear: 2.8" (70mm)

**CAMERA BACK:**  
International Standard  
4x5 Revolving Back

**FOCUSING SCREEN:**  
4x5 Fresnel Lens

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM EXTENSION:**  
3.9" (99mm)  
with Standard Board

2" (50mm)  
with Recessed Board

**MAXIMUM EXTENSION:**  
19" (485mm)

**MONORAIL LENGTH:**  
9.8 x 9.8" (250 x 250mm)

**YAW-FREE:**  
Yes

**LENSBOARD:**  
Toyo 158 x 158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

**FOLDED DIMENSIONS:**  
11.5 x 15.6 x 10.5"  
(291 x 397 x 266mm)

**WEIGHT:**  
14.1 lbs.

# TOYO

## VX-125 4x5 STUDIO/FIELD SYSTEM

*The Toyo VX125 cameras are the most compact and light-weight members of the Toyo G modular system. They have a unique design, making them ideal for studio applications requiring precision movement and modular accessories, as well as location, landscape and field work requiring minimal weight and compact portability. Few cameras designed for field photography have the advanced, studio-type features that these compact cameras have. Yaw-free, base tilt movement allow the photographer greater degrees of tilts, due to the ability to make indirect displacement of the front and rear standards. All of this makes the VX-125 the perfect camera for someone whose photography includes both studio and field work.*



Toyo  
VX125 Camera  
(180-125)  
shown with  
optional lens

VIEW CAMERAS

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### FEATURES

- **Full featured ultra-lite monorail view camera for use with 4x5 cut film, Polaroid, or roll film backs from 6x7cm to 6x12cm**
- **Geared shift and microfine focus on front and rear**
- **Geared rise on VX-125 and VX-125b**
- **All metal alloy gives field weight of only 5.5 lbs., yet studio capability and the rigidity of heavy duty monorail cameras**
- **Telescoping Base monorail allows camera to compact to 5" depth on VX-125 and VX-125b**

**Toyo VX125 Camera 180-125 (125)**  
Consists of:

Revolving Graflok back, Super-Brite fresnel lens, acid etched grid groundglass with 6x7cm and 6x9cm markings, quick release mounting plate with 1/4" and 3/8" sockets, 125-250mm expandable monorail, Two 25mm compact extension caps, normal/wide ultra-flex bellows and compact ABS case. Jade green color.

**Item # TOVX125GR....5,995.00**

**Toyo VX125b Camera 180-123 (123)**  
Same as VX125 but in black color.

**Item # TOVX125B .....5,995.00**

**Toyo VX125R Black Camera 180-124 (124)**

Consists of: Revolving back, Super-Brite fresnel lens, acid etched grid groundglass with 6x7 and 6x9cm markings, 40mm 1/4" compact tripod mounting block., 125mm monorail, two 25mm compact extension caps, normal/wide ultra flex bellows and compact ABS case.

**Item # TOVX125R .....3,815.00**

### VX-125 4x5 SPECIFICATIONS

#### TILTS:

Front Base Tilt:  
VX125/VX125b: 40°;  
VX-125R: 50°  
Rear Base Tilt: 40°

#### SWINGS:

Front 50°; Rear 50°

#### RISE & FALL (COMBINED):

Geared on VX125 and VX125b  
Manual on VX125R

Front 2.75" (70mm);  
Rear 2.75" (70mm)

#### LATERAL SHIFT:

Front 2.75" (70mm);  
Rear 2.75" (70mm)

#### CAMERA BACK:

International Standard 4x5  
360° Revolving Back

#### FOCUSING SCREEN:

Fresnel and Acid Etched  
Groundglass

#### INTERCHANGEABLE

BELLOWS:  
Yes

#### MINIMUM BELLOWS

##### DRAW:

2.6" (67mm)  
with Standard Board;  
0.9" (22mm)  
with Recessed Board

#### MAXIMUM EXTENSION:

12.8" (325mm)

#### MONORAIL LENGTH:

VX125/VX125b: Expandable  
from 5-9.9" (125-250mm)  
VX125R: 5" (125mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS:

12 x 9 x 5"  
(304 x 228 x 127mm)

#### WEIGHT:

VX125/VX125b:  
5.5 lbs. (2.5kg)  
VX125R: 5.9 lbs. (2.7kg)

*Subject to change without notice*



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# TOYO

## 810 GII 8x10 SYSTEM

VIEW CAMERAS

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*The largest of all Toyo G Modular system cameras, the heavy-duty, pro black matte finished 810 GII has a wider range of movements than all other G models. It offers precision geared focus, rise and shift. The 810 GII is a fully modular multiformat camera system, where the 8x10 camera can easily be converted to 5x7", 4x5" and 2x3". Universal and format related components and accessories are interchangeable, creating a comprehensive system which grows with your professional needs.*



Toyo 810 GII Camera (180-226)

### FEATURES

- Heavy duty modular system studio camera with precise geared focus rise and shift
- Convertible to 2x3", 4x5", or 5x7" by adding reducing board and groundglass back
- Rack and pinion micro fine focusing on front and rear
- Independent locks on all movements
- Heavy duty back with Easyload Dual Dampened Bail Arms
- Center tilt maintains focus as you tilt
- All-metal rubber covered GX control knobs
- Time proven "U" frame design
- Compatible with many Toyo accessories
- Holds up well to strenuous use in the studio
- Interchangeable 39mm ø monorails
- Micro fine rack and pinion focusing
- Reversible 8x10 back
- Pro black matte finish
- Dual axis spirit levels

810 GII Pro Camera  
180-226 (116)

Consists of:

Heavy duty back with Easyload Dual Dampened Bail Arms, Toyo acid etched grid groundglass, quick release mounting block with 3/8" tripod sockets, 250mm basic monorail, 250mm extension monorail, standard bellows, and a predrilled #0 lensboard.

Item # TO810G2 .....4,859.50

### 810 GII SPECIFICATIONS

#### TILTS

Front 80°, Rear 100°

#### SWINGS

Front 60°, Rear 60°

#### RISE & FALL

Front 5.7" (145mm),  
Rear 6.7" (170mm)

#### LATERAL SHIFT

Front 2.8" (70mm),  
Rear 4.7" (120mm)

#### CAMERA BACK:

International Standard  
Vertical/Horizontal  
8x10 Back

#### FOCUSING SCREEN:

Grid Groundglass 8x10

#### INTERCHANGEABLE

BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.3" (85mm)  
with Standard Board

1.8" (45mm)  
with Recessed Board

#### MAXIMUM EXTENSION:

19.7" (500mm)

#### MONORAIL LENGTH:

9.8x9.8" (250x250mm)

#### YAW-FREE:

Convertible at Factory

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS:

11.5 x 18.5 x 16.8"  
(291 x 471 x 427mm)

#### WEIGHT:

19.6 lbs. (8.9kg)

Subject to change without notice

Overnight Shipping Available

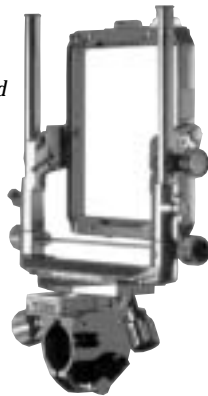


### BODY ACCESSORIES

#### Front Standards

**Front Standard G** (180-857; 8303)  
Sturdy, rigid aluminum die cast frame for heavy duty work. For C, F, G, GB and GII 4x5", 5x7" and 8x10" cameras. (Replacement.)  
**Item # TOSF45G .....1,124.95**

Front  
Standard  
G  
(8303)



**Front Standard GX** (180-853; 10803)  
Same as above, plus Yaw-Free base axis tilt and enlarged rubber covered control knobs for GX 4x5", 5x7" and 8x10" cameras. (Replacement.)  
**Item # TOSF45GX.....1,349.95**

#### Rear Standards

**Rear Standard 45GII** (180-858; 8304)  
For C, F, G, GB, GII 4x5 cameras. (Replacement for 45 GII.)  
**Item # TOSR45B.....1,124.95**

**Rear Standard 45 GX** (180-854; 10804)  
For 4x5 GX camera. Yaw-free base axis tilt and enlarged rubber covered control knobs. Also has built-in 1/2 stop calibrated depth-of-field calculator.  
**Item # TOSR45GX .....1,462.95**



**Rear Standard 57GII** (180-859; 8404)  
Rear standard for 5x7 G or GII cameras. Required when upgrading C, F, G, GB and GII 4x5 to 5x7.  
**Item # TOSR57B.....1,822.95**

**Rear Standard 810 GII** (180-860; 8504)  
Rear Standard for 8x10 G or GII. Required when upgrading C,F,G,GB and GII 4x5 or 5x7 camera to a larger 8x10 camera.  
**Item # TOSR810B.....2,879.95**

Rear Standard 810 GII (8504)

#### Intermediate Standard

**Intermediate Standard 4x5** (180-831; 8081)  
Chrome frame used to connect two bellows (4x5 to 4x5, 4x5 to 5x7, or 4x5 to an 8x10) for extra long extension, as well as special effects applications, such as holding a beam splitter in front of the lens for front projection, or matte box effects. It also has rise, shift, swing and tilt.  
**Item # TOSIC.....458.50**



#### Bellows

##### 4x5 BELLOWS

**Standard Bellows 4x5** (180-690; 10102)  
For normal lenses. Standard with all 4x5 cameras. Extends to 16.5" (420mm). For C, F, G, GB, GII, GX and Robos cameras.  
**Item # TOBS45Q.....319.95**

**Long Wide Angle Bellows 4x5** (180-693; 11421)  
For 47mm to 150mm wide angle lenses. Extends to 12" (310mm). Fits C, F, G, GB, GII, GX and Robos cameras.  
**Item # TOBWA45.....369.00**

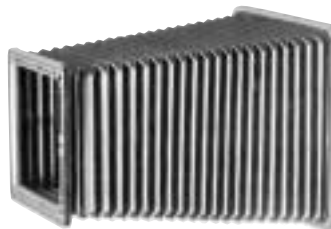
**Long Bellows 4x5** (180-692; 10122)  
For long lenses, or for macro photography. Extends to 30" (750mm). Fits C, F, G, GB, GII, GX and Robos cameras.  
**Item # TOBL45.....369.00**

**Long Wide Angle Bellow** (180-862; 12204)  
Jade green color for VX125.  
**Item # TOBWAGRVX125..499.95**

**Long Wide Angle Bellow** (180-697; 12302)  
Black color for VX125b.  
**Item # TOBWABVX125..499.95**

##### 5x7 BELLOWS

**Standard Bellows 5x7** (180-705; 8102)  
For normal lenses. Extends to 19.7" (500mm). For G, GB and GII cameras.  
**Item # TOBS57.....319.95**



**Wide Angle Bellows 5x7** (180-706; 8121)  
For 47mm to 210mm wide angle lenses. Fits G, GB and GII cameras.  
**Item # TOBWA57.....503.95**

**Long Bellows 5x7** (180-707; 8122)  
For long lenses, or for macro photography. Extends to 29.5" (750mm). Fits G, GB and GII cameras.  
**Item # TOBL57.....434.95**

Standard Bellows 5x7 (8102)

##### 8x10 BELLOWS

**Standard Bellows 8x10** (180-708; 11602)  
For normal lenses. Standard with all 8x10 cameras. Extends to 27.5" (700mm). Fits 810G, GB, GII, M and MII cameras.  
**Item # TOBS810.....562.50**

**Wide Angle Bellows 8x10** (180-709; 8221)  
For wide angle lenses 65mm to 240mm. Fits 810G, GB, GII, M and MII cameras.  
**Item # TOBWA810.....749.00**

**Long Bellows 8x10** (180-710; 8222)  
For long lenses, or for macro photography. Extends to 47.2" (1200mm). Fits 810G, GB and GII.  
**Item # TOBL810.....989.95**

Long Bellows 8x10 (8222)





# TOYO

## SYSTEM



### BODY ACCESSORIES, *continued*

#### Tripod Mounting Blocks and Plates

Toyo Tripod Mounting Blocks feature quick clamp fittings for easy removal and attachment of cameras to tripod.

##### 70mm Tripod Mounting Block (180-724; 8208)

Quick lock clamping 2.8" (70mm) long, with  $\frac{3}{8}$ " socket. For 45G, GB, 810G, GB and GX. Can be used on 4x5 cameras, for stability with long extensions. (Replacement for 810 GX.)

**Item # TOTMB70.....224.95**

##### 54mm Tripod Mounting Block

(180-714; 8008)

Quick lock clamping 2.1" (54mm) long, with  $\frac{1}{4}$ " and  $\frac{3}{8}$ " socket. Fits 23G, 45C, D, E, F, G, GB, GII and GX.

(Replacement.)

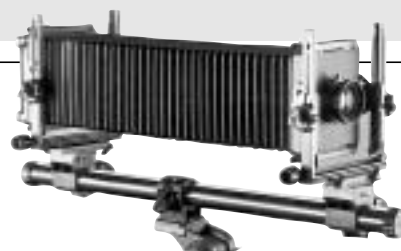
**Item # TOTMB54.....118.50**

##### Tripod Block 45D (180-720; 9008)

With  $\frac{1}{4}$ " and  $\frac{3}{8}$ " socket. Fits 45D, E and F. (Replacement for 45D.)

**Item # TOTMB45D.....78.95**

*Toyo 45C shown with a 500mm and 250mm Extension Rail on a 54mm Tripod Mounting Block (180-714)*



##### Compact Block VX125 (180-723; 12408)

With  $\frac{1}{4}$ " socket. Fits VX125.

**Item # TOTMBCVX125.....179.95**

##### Anti-Twist Tripod Plate (180-748)

For 45AII.

**Item # TOATP45.....118.95**

##### Anti-Twist Tripod Plate (180-749)

For 810M II.

**Item # TOATP810M2 ....118.95**

#### Mono Rails

Toyo 39mm diameter mono-rails fit all monorail cameras. Robos rails offer unlimited extension by means of continuous additional sections. G-system monorails allow maximum extension of 1250mm with the addition of two extensions on each side of the base monorail. All monorails include rail caps or built-on caps, to protect the standards from accidentally falling off.

##### 250mm Fixed Monorail

(180-711; 8811)

Black finish. For working with wide angle lenses (to prevent interference of monorail in photograph). For C, D, E and F cameras.

**Item # TOMRF250B.....94.95**

##### 450mm Fixed Monorail

(180-716; 8810)

Black finish. For C, D, E and F cameras. (Replacement.)

**Item # TOMRF450B.....118.95**

##### 250mm GB Basic Rail

(180-743; 8301)

Black finish. Basic rail with two female ends (extensions can be added to both sides). Fits all cameras.

**Item # TOMRB250GB...183.95**

##### 250mm R/GX Basic Rail

(180-740; 10106)

Black finish. Basic rail with two female ends (extensions can be added to both sides). Standard with GX and Robos cameras.

**Item # TOMRB250R.....199.95**

##### 250mm GB Extension Rail

(180-744; 8311)

Black finish. With one male end for extension to G or GB basic rail; one female end to accept additional extension rails, as needed.

**Item # TOMRE250GB...183.95**

##### 150mm GB Extension Rail

(180-746; 8313)

Black finish. With one male end for extension to G or GB basic rail; one female end to accept additional extension rails, as needed. 150mm extension.

**Item # TOMRE150GB...183.95**

##### 500mm GB Extension Rail

(180-745; 8312)

Same as the above extension rail, in black finish, with 500mm extension.

**Item # TOMRE500GBB....293.50**

##### 150mm R/GX

Extension Rail (180-742; 10115)

**Item # TOMRE150R.....199.95**

##### 250mm R/GX

Extension Rail (180-741; 10107)

**Item # TOMRE250R.....199.95**

##### 125mm Basic Rail

VX125 (180-751; 12406)

**Item # TOMRBVX125...269.95**

##### Telescoping Rail

VX125 125-250mm

Extension (180-750; 12206)

**Item # TOMRTVX125..1199.95**

#### Camera Backs

Camera backs are standard with all cameras. However, when format conversion or format reducing is desired, a camera back must be purchased.

Product Number	Format cm	Back Design All backs are graflock type	Groundglass Grid with 6x7 and 6x9cm	Fresnel Lens	Easy Load Bail Arm	Fit Cameras and Reducing Adapters	Item #	B&H Price
180-820	4x5"	vertical/horizontal reversible	printed	optional	yes	all 4x5 Toyo	TOCBVH45	366.50
180-805	4x5	360° non-vignetting revolving back design	acid etched	included	yes	all 4x5 Toyo	TOCBR45	503.95
180-821	5x7"	vertical/horizontal reversible	acid etched	included	dual damper	57G, GB, GII	TOCB57	569.00
180-824	8x10"	vertical/horizontal reversible	acid etched	-	dual damper	810G, GB, GII, M, MII	TOCB810	944.95





### BODY ACCESSORIES, *continued*

#### Format Conversion Accessories

##### TO CONVERT TO LARGER FORMAT, ADD REAR FRAME, BELLOWS AND BACK

Camera Model	From Format	To Format	Add Rear Frame	Add Std. Bellows	Add Groundglass Back	Add Extension Rail for
23G	6x9cm	4x5"	180-858	180-690	180-805	+250mm
C,F,G,GB,GX	4x5"	5x7"	180-859	180-705	180-821	+500mm
C,F,G,GB,GX	4x5"	8x10"	180-860	180-708	180-824	+500mm
G,GB	5x7"	8x10"	180-860	180-708	180-824	-

##### TO CONVERT TO SMALLER FORMAT AND GET FULL MOVEMENTS

Camera Model	From Format	To Format	Add Rear Frame	Add Std. Bellows	Add Groundglass Back	Use Existing Rail
5x7 G,GB	5x7	4x5	180-858	180-690	180-805	✓
8x10 G,GB,GX	8x10	5x7	180-859	180-705	180-821	✓
8x10 G,GB,GX	8x10	4x5	180-858	180-690	180-805	✓

*For format reducing backs, see next page. For pricing of rear frame, bellows, backs and extension rails, see previous pages.*

#### Miscellaneous Body Accessories

**Infinity Stops for Field Cameras** (180-715; 1300)  
Fits 45A, AR, AII, 810M and MII.  
**Item # TOIS .....39.95**

**Dual Axis Spirit Level** (180-713; 8071)  
Single housing. Fits all view cameras. Includes mounting screws.  
**Item # TOSL.....43.50**



*Dual Axis Spirit Level (8071)*



### VIEWING ACCESSORIES

#### Fresnel Lenses

Offers a brighter viewing area for judging camera movements and focusing. It can easily be snapped into place over the groundglass.

**Fresnel Lens 2x3** (180-804; 216)  
Replacement for 23G and sliding backs.  
**Item # TOF23.....59.95**

**Fresnel Lens 4x5** (180-818; 212)  
Replacement for GII, GX, AII and Robos.  
**Item # TOF45.....112.50**

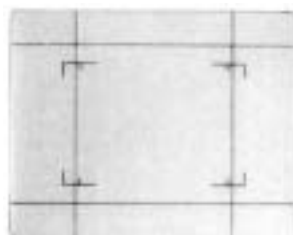
**Fresnel Lens Kit 4x5** (180-803; 9016)  
Kit with spacers. Fits 45D, C, E and F.  
**Item # TOF45K.....Disc.**

**Fresnel Lens 5x7** (180-816; 213)  
Fits G, GB and GII cameras.  
**Item # TOF57.....142.95**

#### Groundglass Screens

**Groundglass Screen 2x3** (180-802; 217)  
Acid etched grid lines. (Replacement for 23G and sliding backs.)  
**Item # TOGG23G .....36.95**

**Groundglass Screen 4x5**  
(180-814; 8015)  
Acid etched grid lines. (Replacement for GII, GX and AII.)  
**Item # TOGG45 .....54.50**



*Groundglass Screen (180-801)*

**Groundglass Screen 4x5**  
(180-801; 9615)  
Plain grid lines. (Replacement for 45D and 45C.)  
**Item # TOGGP45.....32.95**

**Groundglass Screen R45**  
(180-695; 10117)  
Acid etched grid lines. (Replacement for Robos 4x5.)  
**Item # TOGGR45.....59.50**

**Groundglass Screen 5x7**  
(180-815; 219)  
Acid etched grid lines. For 5x7 camera.  
**Item # TOGG57.....68.50**

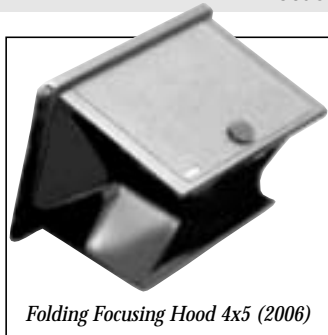
**Groundglass Screen 8x10**  
(180-817; 1815)  
Acid etched grid lines. For 8x10 cameras. (Replacement.)  
**Item # TOGG810 .....92.50**



### VIEWING ACCESSORIES, *continued*

#### Focusing Hoods

Folding focusing hoods are shaped like a foldable box that encloses the groundglass, blocking out light and eliminating the necessity of a focusing cloth. Folding focusing hoods can be spread outward for loupe focusing and are also used as groundglass protectors.



*Folding Focusing Hood 4x5 (2006)*

**Folding Focusing Hood 6x9** (180-810; 1039)  
Fits quick sliding adapters.  
**Item # TOFHSA.....118.95**

**Folding Focusing Hood 4x5** (180-808; 2006)  
Fits all Toyo 4x5 backs.  
Standard with 45A II cameras.  
**Item # TOHF45.....110.00**

**4x5 Balloon Focusing Hood** (180-841)  
Fits all Toyo 4x5 backs.  
**Item # TOFHB45.....296.95**

**Folding Focusing Hood 5x7** (180-822; 2206)  
Fits all Toyo 5x7 backs.  
**Item # TOHF57.....176.50**

Monocular focusing hoods are shaped like a chimney, blocking out light for focusing. They are built with a 1.5x magnification loupe.

**1.5x Monocular Hood 6x9**  
(180-811; 1040)  
Fits quick sliding adapters.  
**Item # TOMHSA.....176.50**

**1.5x Monocular Hood 4x5**  
(180-809; 1024)  
Flexible swing-away frame for critical focusing.  
**Item # TOMH45.....209.95**



*1.5x Monocular Hood 4x5 (1024)*

Binocular reflex hoods are used for right-side-up viewing. They feature a vertical/horizontal frame, an adjustable mirror angle to allow for right-side-up viewing and a 1.5x magnification loupe.

**Binocular Reflex Hood 4x5**  
(180-812; 1026)  
Fits all Toyo 4x5 cameras.  
**Item # TORHB45.....509.00**

**Binocular Reflex Hood 8x10**  
(180-813; 8226)  
Fits all Toyo 8x10 cameras.  
**Item # TORHB810.....1,099.00**

#### Magnifier and Focusing Cloth

**3.6x Groundglass Focusing Magnifier** (180-301)  
A powerful 3.6x magnifier with rubber base, rubber eyepiece (for eye glass wearers), coated optics and neck strap. Focal length of 60mm. Constructed of 2E2G optical glass.  
**Item # TOL.....39.95**

**Professional Focusing Cloth** (180-302)  
36x48" cloth, black on one side and white on reverse. White side can be used as reflector. Velcro fastener to fit around camera back. Constructed of heavy duty, washable Dupont polyester.  
**Item # TOFC3648.....44.50**



### BACK ACCESSORIES

#### Reducing Backs

**Reducing Adapter 8x10 to 4x5** (180-825; 1830)  
Reduces picture format from 8x10 to 4x5 without change of rear standard. Groundglass back (180-805) is required for focusing and mounting 4x5 film holders.  
**Item # TORA81045.....329.00**

**Reducing Adapter 8x10 to 5x7** (180-826; 1832)  
Reduces picture format from 8x10 to 5x7 without change of rear standard. Groundglass back (180-826) is required for focusing and mounting 5x7 film holders.  
**Item # TORA81057.....379.00**

**Reducing Adapter 5x7 to 4x5** (180-823; 1232)  
Reduces picture format from 5x7 to 4x5 without change of rear standard. Groundglass back (180-823) is required for focusing and mounting 4x5 film holders.  
**Item # TORA5745.....209.95**

*Reducing Adapter 8x10 to 4x5 (1830)*



#### TO REDUCE TO SMALLER FORMAT

Camera Model	From Format	To Format	Reducing Adapter	Add Groundglass Back
810 G,GB,GX,M	8x10"	4x5"	180-825	180-805
810 G,GB,GXM	8x10"	5x7"	180-826	180-821
57G,GB	5x7"	4x5"	180-823	180-805

*For format conversion, see previous page.*

#### Miscellaneous Back Accessories

**4" Extension Back 45A** (180-730; 1635)  
To get more movements with long focal lenses. Fits 45A, AR and AII.  
**Item # TOEB45A.....503.95**

**Protective Cover for 8x10 Back** (180-731; C051)  
(Replacement.)  
**Item # TOPC810.....41.95**





### BACK ACCESSORIES, *continued*

#### Rollfilm Holders

120 rollfilm holders ensure excellent film plane flatness. The film holders for 2x3 cameras fit onto all Toyo quick sliding carriage adapters, as well as directly onto the Toyo 23G and 6x9cm Graflock backs. The film holders for 4x5" cameras can be inserted into any standard 4x5" camera back without removal of the focusing frame, just as when using an ordinary cut film holder.

**6x7 Rollfilm Holder** (180-727; 8032)  
For 2x3. Fits 23G or quick sliding carriage.  
**Item # TOFB67120SA....499.95**

**6x9 Rollfilm Holder** (180-728; 8034)  
For 2x3. Fits 23G or quick sliding carriage.  
**Item # TOFB69120SA....499.95**



**6x7 Rollfilm Holder** (180-725; 8031)  
For 4x5.  
**Item # TOFB6712045 ....599.00**

**6x9 Rollfilm Holder** (180-726; 8033)  
For 4x5.  
**Item # TOFB6912045 ....599.00**

#### FILM HOLDER SPECIFICATIONS

	RFH67/45 (180-725)	RFH69/45 (180-726)	RFH67 (180-727)	RFH69 (180-728)
Applicable Film	120 rollfilm	120 rollfilm	120 rollfilm	120 rollfilm
Format	6x7cm	6x9cm	6x7cm	6x9cm
Exposures	10 exp	8 exp	10 exp	8 exp
Overall Dimensions	5x8.3x1.9" 128x211 x48mm	5x8.3x1.9" 128x211 x48mm	4.4x8.3x1.9" 113x211 x47mm	4.4x8.3x1.9" 113x211 x47mm
Weight	23.6oz 670g	23.6oz 670g	20oz 580g	20oz 580g

#### Cut Film Holders

Precision cut film holders for ultimate film flatness. Holds two sheets of film. Smooth, easy darkslide operation.

**4x5 Cut Film Holder Twin Pack** (180-903; 10141)  
**Item # TOFH45.....69.95**

**8x10 Cut Film Holder** (180-908; 1841)  
**Item # TOFH81.....119.95**

**4x5 Darkslide** (180-910)  
(Replacement for 4x5 Cut Film Holder.)  
**Item # TODSFH45.....11.95**

**8x10 Darkslide** (180-911)  
(Replacement for 8x10 Cut Film Holder.)  
**Item # TODSFH81.....22.95**

#### Digital Back Adapter and Quick Sliding Rollfilm Adapter

Digital and Quick Sliding Adapters have a carriage that slides a digital or a Graflock style 2x3 back with a groundglass in and out of place for fast change from groundglass focusing to shooting. Built-in darkslide engages when groundglass is in film plane. Both adapters fit directly onto all 4x5 cameras with international Graflock type backs.

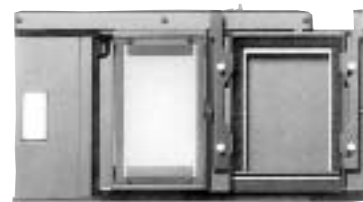
**Universal Graflock Sliding Adapter** (180-719; 1045)  
Accepts all 6x7 and 6x9cm Graflock type rollfilm backs, including Toyo 180-727 and 180-728, Mamiya RB67, Graflex, Horseman and Wista brands.

**Item # TOSFBAU.....652.50**

**Sliding Adapter for Kodak DCS465** (180-832)

Requires Kodak shutter adapter.

**Item # TOSAKDCS465 .....1,444.95**



Universal Graflock Sliding Adapter (180-719)



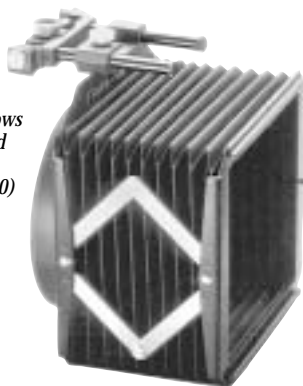
### FRONT ACCESSORIES

#### Bellows Hoods

Bellows Hoods offer flexible protection against flare in any lighting situation. Fully adjustable swing-away bracket, for use with any lens. Pro Bellows Hoods 180-623 and 180-626 have filter slots for gel filters.

**Pro Bellows Hood 4F** (180-623; 1660)  
With gel filter slots. Fits 45A, AII and 23G only.  
**Item # TOCHPF.....409.00**

Pro Bellows Hood VG (8060)



**Extension Rod Set for 4F** (180-604; 1662)  
For using Pro Hood with larger size lenses.  
**Item # TOERCHPF.....78.95**

**Gelatin Filter Holder Set for 4F** (180-609; 1663)  
Fits 3" and 4" square filters.  
**Item # TOFHSCHF.....16.95**

**Pro Bellows Hood VG** (180-626; 8060)  
With gel filter slot. Fits all cameras, except 45A, AII and 23G.  
**Item # TOCHPV.....459.00**

**Extension Rod Set for VG** (180-608; 8062)  
For using Pro Hood with larger size lenses.  
**Item # TOERCHPV.....83.95**

**Gelatin Filter Holder Set for VG** (180-610; 8063)  
Fits 3", 4" and 5" square filters.  
**Item # TOFHSCHV.....29.95**

**Bellows Lens Hood** (180-624; 8061)  
Without filter slot. Fits all cameras, except 45A, AII and 23G.  
**Item # TOCHV.....239.95**



### FRONT ACCESSORIES, continued

#### 110mm Lens Boards

4.3" (110mm) square. Fits the 45A, AR, AII, AX and 23G.

Flat Blank Lensboard (180-629)

To be drilled by customer.

Item # **TOLBBF**.....**44.95**

Flat # 0 Lensboard (180-621)

Item # **TOLB0F**.....**59.95**

Flat # 1 Lensboard (180-622)

Item # **TOLB1F**.....**59.95**

Flat # 3 Lensboard (180-618;1601)

Item # **TOLB3F**.....**89.95**

45mm Recessed

Blank Lensboard (180-630)

For wide angle lenses.

Item # **TOLBRBF**.....**68.50**

45mm Recessed

# 0 Lensboard (180-639)

For wide angle lenses.

Item # **TOLBR0F**.....**79.95**

12.5mm Recessed

# 0 Lensboard (180-640; 12040)

For wide angle lenses.

Item # **TOLBR120F**.....**78.95**

#### 110mm Adapter Board

Linhof to Toyo Adapter Board

(180-635; 1631)

Fits Linhof mounted lenses onto adapter board.

Item # **TOLBALF**.....**147.50**

#### 158mm Adapter Boards

Toyo 110mm to Toyo 158mm

Adapter Board (180-631; 1052)

Fits 45A, AR, AII and 23G mounted lenses onto adapter board.

Item # **TOLBAFV**.....**162.50**

Toyo 110mm to Toyo 158mm

Wide Angle Adapter Board

(180-632; 1057)

Fits 45A, AR, AII and 23G mounted lenses onto wide angle adapter board.

Item # **TOLBAFRV**.....**209.95**

Linhof to Toyo 158mm

Adapter Board (180-628; 1051)

Fits Linhof or Wista mounted lenses onto adapter board.

Item # **TOLBALV**.....**162.50**

Linhof to Toyo 158mm Wide

Angle Adapter Board (180-627; 1056)

Fits Linhof or Wista mounted lenses onto wide angle adapter board.

Item # **TOLBALRV**.....**209.95**

Sinar to Toyo 158mm

Adapter Board (180-607; 8054)

Fits Sinar or Horseman 104mm lenses onto adapter board.

Item # **TOLBASV**.....**162.50**

Graphic to Toyo 158mm

Adapter Board (180-605; 1050)

Fits graphic mounted lenses onto adapter board.

Item # **TOLBAGV**.....**162.50**

#### LENSBOARD ADAPTERS

Adapt From Lens Mounted On	To Toyo Camera Models	Flat Adapter	Wide Angle Adapter
Toyo 45A, 45AR, 23G 110mm Sq. Flat Board	45C, D,E,F,G,GB,GII,57G,GB,GII 810G, GB, GII, GX, 810M, MII, ROBOS	180-631	180-632
Linhof or Wista	Same as Above	180-628	180-627
Sinar or Horseman View	Same as Above	180-607	
Graphic	Same as Above	180-605	
Linhof or Wista	Toyo 45A, AII, 23G	180-635	
Graphic	Toyo 45A, AII, 23G	180-636	

#### 158mm Lens Boards

6.2" (158mm) square.

Fits all Toyo cameras except the 45A, AR, AII and 23G.

Flat # 0 Lensboard (180-601)

Item # **TOLB0V**.....**54.95**

Flat # 1 Lensboard (180-599)

Item # **TOLB1V**.....**54.95**

Flat # 3 Lensboard (180-600)

Item # **TOLB3V**.....**54.95**

Recessed # 1 Lensboard (180-619)

For wide angle lenses.

Item # **TOLBR1V**.....**69.95**

Recessed # 3 Lensboard (180-620)

For wide angle lenses.

Item # **TOLBR3V**.....**69.95**

Recessed # 0 Lensboard (180-602)

For wide angle lenses.

Item # **TOLBR0V**.....**69.95**

#### Misc. Lens Boards and Accessories

# 0 Graphic Flat Lensboard

(180-637; 5081)

Fits Graflex and Graphic cameras.

Item # **TOLB0G**.....**44.95**

Blank Linhof Flat

Lensboard (180-638; 117)

Fits Linhof and Wista cameras.

Item # **TOLBBL**.....**49.50**

Lens Mounting Wrench (180-625; 4511)

For mounting and dismounting lenses with #0 and #1 shutters on any lensboard.

Item # **TOLMW**.....**11.95**

Angle Cable Release Adapter (180-641)

For #0 shutters.

Item # **TOCRAA0**.....**78.95**

Angle Cable Release Adapter (180-642)

For #1 shutters.

Item # **TOCRAA1**.....**78.95**



### CASES

#### CASES SPECIFICATIONS

	FITS CAMERAS	COMPARTMENTS	DIMENSIONS	WEIGHT	PRODUCT #	ITEM #	B&H PRICE
Aluminum Compact Case	45A, 45AR, 45AII	2 Sides for Accessories	18 x 7 x 10.75" (45.7 x 17.7 x 27.3cm)	7lbs (3.2kg)	180-887	TOCCA45F	389.00
Aluminum Carry Case	4x5 C, D, E, F, G, GB, GII	2 Sides for Accessories	22.5 x 12 x 16.5" (57.2 x 30.4 x 41.9cm)	16lbs (7.3kg)	180-905	TOCCA45C	319.95
Aluminum Carry Case	45GX	1 Side for Accessories	20.5 x 12 x 19.5" (52 x 30.4 x 49.5cm)	16lbs (7.3kg)	180-886	TOCCA45GX	469.00
Aluminum Carry Case	810M, MII	Attache Style	17 x 17 x 8" (43.2 x 43.2 x 20.3cm)	12lbs (5.4kg)	180-883	TOCCA810F	434.95
Aluminum Carry Case	810G, GB, GII	2 Sides for Accessories	22.5 x 12.75 x 22" (57.2 x 32.4 x 55.9cm)	22lbs (10kg)	180-885	TOCCA810V	719.95



Aluminum Carry Case (180-905)