<table>
<thead>
<tr>
<th>Camera</th>
<th>Pages</th>
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<tbody>
<tr>
<td>Arca Swiss</td>
<td>158-169</td>
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<tr>
<td>Horseman</td>
<td>170-179</td>
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<td>Linhof</td>
<td>180-197</td>
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<td>Sinar</td>
<td>198-217</td>
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<tr>
<td>Toyo</td>
<td>218-228</td>
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</table>
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.

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.

**DISCOVERY SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TYPE:</th>
<th>Front: 70°; Rear: 70°</th>
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<tr>
<td>LATERAL SHIFT:</td>
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<td>CAMERA BACK:</td>
<td>International Standard 4x5</td>
</tr>
<tr>
<td>FOCUSING SCREEN:</td>
<td>4x5 Fresnel</td>
</tr>
<tr>
<td>INTERCHANGEABLE BELLOWS:</td>
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<tr>
<td>MINIMUM BELLOWS DRAW:</td>
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<td>MAXIMUM EXTENSION:</td>
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<tr>
<td>MONORAIL LENGTH:</td>
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<tr>
<td>YAW FREE BASE TILT:</td>
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<tr>
<td>LENSBOARD:</td>
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<tr>
<td>DIMENSIONS:</td>
<td>11.8 x 8.7 x 13” (30 x 22 x 33cm) L.W.H.</td>
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<tr>
<td>WEIGHT:</td>
<td>5 lbs. (2.3kg)</td>
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</tbody>
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Subject to change without notice
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.

### 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 rear, #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

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| 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 graflex type holders |
| INTERCHANGEABLE BELLOWS: | Yes |
| MINIMUM BELLOWS DRAW: | 1.7” (43mm) |
| MAXIMUM BELLOWS 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 |
| LENSBARD: | Arca 110x110mm Flat or Recessed |
| DIMENSIONS: | F-Line (011000): 11.8 x 6.3 x 10” (30 x 16 x 25cm) |
| L.W.H.: | 5 lbs. (2.3kg) |

Subject to change without notice
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
- Assembles as easily as a field camera
- Convertible to 6x9, 4x5, 5x7 and 8x10
- Same function carrier for 6x9 up to 8x10
- Large rubberized control knobs
- Vertical axis swings for yaw-free Full modular system
- Full Modular System

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**5x7 Cameras**

- **F-Line 5x7 Camera (013000)**
  Consists of #043140 Optical Bench Telescope 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 B 4x5 Basic Camera (010001)**
  Consists of Extension Bracket 8.5cm (042108), M onorail 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 C 5x7 Compact Camera (013001)**
  Consists of #044140 M onorail, 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

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**4x5 Cameras**

- **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 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

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**8x10 Cameras**

- **F-Line 8x10 Camera (014000)**
  Consists of #043150 Optical Bench Telescope 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 8x10 Compact (014001)**
  Consists of #044150 M onorail 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

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**New!**

**Metric Cameras available**

Please inquire

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**Literature Available Upon Request**
F-Line C Com 4x5 Camera

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

Item # AR45FCC .......................................................................................... 3,116.50

F-Line C Com 5x7 Camera

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

Item # AR57FCC .......................................................................................... 3,744.95

F-Line B Com 4x5 Camera

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 C Com 4x5 Camera

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 5x7 Camera

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

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

F-Line C Com 5x7 Camera

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

Item # AR57FCQ .......................................................................................... 4,684.95

F-Line Com 8x10 Camera

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

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

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 C Com 4x5 Camera (012000C)

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

Item # AR45FCQ .......................................................................................... 3,285.95

F-Line C 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 # AR57FCQ ......................................................................................... 4,684.95

F-Line C 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
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.
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, #063040 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

**FEAT URES**

- **Two-part monorail designed to allow extremely rapid coarse focusing adjustments**
- **Friction lock micrometer drives**
- **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**

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<tr>
<th></th>
<th>6x9</th>
<th>4x5</th>
<th>5x7</th>
<th>8x10</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Front: 90°</td>
<td>Front: 90°+ 60° Axis</td>
<td>Front: 90°+ 60° Axis</td>
<td>Front: 90°+ 60° Axis</td>
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<tr>
<td></td>
<td>Rear: 90°</td>
<td>Rear: 90°</td>
<td>Rear: 90°</td>
<td>Rear: 90°</td>
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<td>(Combined)</td>
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<td>Rear: 2.75” (70mm)</td>
<td>Rear: 2.75” (70mm)</td>
<td>Rear: 2.75” (70mm)</td>
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<td>Front: 3.9” (100mm)</td>
<td>Front: 3.9” (100mm)</td>
<td>Front: 3.9” (100mm)</td>
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<tr>
<td></td>
<td>Rear: 3.9” (100mm)</td>
<td>Rear: 3.9” (100mm)</td>
<td>Rear: 3.9” (100mm)</td>
<td>Rear: 3.9” (100mm)</td>
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<tr>
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<td>International Standard 4x5”</td>
<td>International Standard 5x7”</td>
<td>International Standard 8x10”</td>
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<td><strong>Focusing Screen</strong></td>
<td>6x9 Fresnel</td>
<td>4x5 Fresnel</td>
<td>5x7 Fresnel</td>
<td>8x10 Fresnel</td>
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<td><strong>Interchangeable Bellows</strong></td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Minimum Bellow Draw</strong></td>
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<td>3” (75mm)</td>
<td>2.6” (65mm)</td>
<td>2.6” (65mm)</td>
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<td>19.7” (50cm)</td>
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<td><strong>Monorail Length</strong></td>
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<td>15.7-25.6” (40-65cm)</td>
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<td><strong>Yaw Free Base Tilt</strong></td>
<td>Bi-Axial</td>
<td>Tri-Axial</td>
<td>Tri-Axial</td>
<td>Tri-Axial</td>
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<td><strong>Lensboard</strong></td>
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<td>171x171mm</td>
<td>171x171mm</td>
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<tr>
<td><strong>Dimensions L.W.H.</strong></td>
<td>16x6.5x12.5” (41x16.5x33cm)</td>
<td>16x9.8x14.5” (41x25x37cm)</td>
<td>20x9.8x16.2” (50x25x41cm)</td>
<td>20x12.5x19.5” (50x32x49.5cm)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>9.9lbs. (4.5kg)</td>
<td>12.3lbs. (5.6kg)</td>
<td>14.1lbs. (6.4kg)</td>
<td>15.7lbs. (7.1kg)</td>
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</tbody>
</table>

Subject to change without notice
## 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
- **Part Number**: 018100C
- Consists of the same as M-Line 6x9 camera #018100, but with #055001C Function Carrier M-Line Monolith Com rear.
- **Item**: #AR69MC ......... **Price**: 4,929.95

### M-Line Monolith Com 4x5 camera
- **Part Number**: 018200C
- Consists of the same as M-Line 4x5 camera #018200, but with #055001C Function Carrier M-Line Monolith Com rear.
- **Item**: #AR45MC ......... **Price**: 5,404.95

### M-Line Monolith Com 5x7 camera
- **Part Number**: 018300C
- Consists of the same as M-Line 5x7 camera #018300, but with #055001C Function Carrier M-Line Monolith Com rear.
- **Item**: #AR57MC ......... **Price**: 7,019.95

### M-Line Monolith Com 8x10 camera
- **Part Number**: 018400C
- Consists of the same as M-Line 8x10 camera #018400, but with #055001C. Function Carrier M-Line Monolith Com rear.
- **Item**: #AR810MC ......... **Price**: 7,434.95

## Electronic Modules

Edios with Software Shutter Control and Lightmetering Control
- **Part Number**: 90101
- **Item**: #ARE ......... **Price**: 2,149.95

### Module Holder Edios
- **Part Number**: 90241
- **Item**: #ARMHE ............ **Price**: 349.50

### Sim 6x9 Groundglass Holder
- **Part Number**: 90400
- **Item**: #ARSGGH69........ **Price**: 862.50

### Sim 4x5 Groundglass Holder
- **Part Number**: 90420
- **Item**: #ARSGGH45........ **Price**: 862.50

### Microlink O Shutter
- **Part Number**: 90600
- **Item**: #ARSMLO .......... **Price**: 1,134.50

### Microlink 1 Shutter
- **Part Number**: 90620
- **Item**: #ARSM1L ......... **Price**: 1,134.50

## Function Carriers

### Function Carrier F-Line B Front
- **Part Number**: 051000
- **Item**: #ARFCFFB .......... **Price**: 599.50

### Function Carrier F-Line B Rear
- **Part Number**: 051001
- **Item**: #ARFCRFB .......... **Price**: 599.50

### Function Carrier F-Line B Com Rear
- **Part Number**: 051001C
- **Item**: #ARFCRFBC ...... **Price**: 1,264.95

### Function Carrier M-Line Monolith B Rear
- **Part Number**: 055001
- **Item**: #ARFCRM .......... **Price**: 2,364.95

### Function Carrier M-Line Monolith Com Rear
- **Part Number**: 055001C
- **Item**: #ARFCRMC ...... **Price**: 3,029.95

### Function Carrier M-Line Monolith Front
- **Part Number**: 056000
- **Item**: #ARFCFM .......... **Price**: 2,364.95

## Body Accessories

### 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
- **Part Number**: 031069
- **Item**: #ARSM769 ......... **Price**: 717.95

### Multipurpose Standard 4x5
- **Part Number**: 031045
- **Item**: #ARSM745 ......... **Price**: 664.95
BODY ACCESSORIES, continued

Format Frames

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<th>Name</th>
<th>Code</th>
<th>Price</th>
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<tbody>
<tr>
<td>Format Frame F-Line 6x9 Front</td>
<td>ARFFF69F</td>
<td>.679.95</td>
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<td>Format Frame F-Line 6x9 Rear</td>
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<tr>
<td>Format Frame F-Line 4x5 Front</td>
<td>ARFF45F</td>
<td>.638.50</td>
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<tr>
<td>Format Frame F-Line 4x5 Rear</td>
<td>ARFR45F</td>
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<tr>
<td>Format Frame F-Line 8x10 Rear</td>
<td>ARFR810F</td>
<td>.946.95</td>
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</tbody>
</table>

Monorail Units

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monorail II 0-15cm</td>
<td>ARMR15</td>
<td>.119.50</td>
</tr>
<tr>
<td>Monorail II 0-20cm</td>
<td>ARMR20</td>
<td>.139.50</td>
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<tr>
<td>Monorail II 0-25cm</td>
<td>ARMR25</td>
<td>.159.95</td>
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<td>Monorail II 0-30cm</td>
<td>ARMR30</td>
<td>.192.95</td>
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<tr>
<td>Monorail II 0-40cm</td>
<td>ARMR40</td>
<td>.239.95</td>
</tr>
<tr>
<td>Monorail II 0-50cm</td>
<td>ARMR50</td>
<td>.339.95</td>
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<tr>
<td>Monorail Stopper Kit II</td>
<td>ARSKM</td>
<td>.16.95</td>
</tr>
<tr>
<td>Monorail Extension II 25cm</td>
<td>ARME25</td>
<td>.262.95</td>
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Optical Benches Telescopic

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Optical Bench Telescopic 30cm</td>
<td>AROBT30</td>
<td>.447.50</td>
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<tr>
<td>Optical Bench Telescopic 40cm</td>
<td>AROBT40</td>
<td>.559.95</td>
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<tr>
<td>Optical Bench Telescopic 50cm</td>
<td>AROBT50</td>
<td>.618.50</td>
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Optical Benches Collapsible

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Monorail 30cm Collapsible</td>
<td>ARMRC30</td>
<td>.429.50</td>
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<tr>
<td>Monorail 40cm Collapsible</td>
<td>ARMRC40</td>
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<td>Monorail 50cm Collapsible</td>
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Extension Brackets

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Extension Bracket II 85mm</td>
<td>AREB85</td>
<td>.114.95</td>
</tr>
<tr>
<td>Extension Bracket II 100mm</td>
<td>AREB100</td>
<td>.237.95</td>
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<tr>
<td>Extension Bracket II 200mm</td>
<td>AREB200</td>
<td>.287.95</td>
</tr>
<tr>
<td>Extension Bracket II 300mm</td>
<td>AREB30</td>
<td>.237.50</td>
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<tr>
<td>Extension Bracket II 400mm</td>
<td>AREB40</td>
<td>.297.50</td>
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<tr>
<td>Extension Bracket II 500mm</td>
<td>AREB50</td>
<td>.336.50</td>
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<tr>
<td>Extension Bracket II 800mm</td>
<td>AREB80</td>
<td>.534.95</td>
</tr>
<tr>
<td>Extension Bracket II 1000mm</td>
<td>AREB100</td>
<td>.669.50</td>
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</tbody>
</table>

PHOTO - VIDEO - PRO AUDIO

Function Carrier F-Line (051000)

Format Frame F-Line (062000)

THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 • 0 • 0 • 9 • 4 • 7 • 6 • 6 • 5 • 0
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 6x9

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

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

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

### Bellows 4x5

- **Wide-Angle Bellows 4x5 20cm Leather** (*071050*)
  - Maximum length: 7.9” (20cm); minimum length: 1.9” (47mm).
  - Item #: ARBWA45. Cost: $273.95

- **Bellows 8x10 F/M-Line 70cm Synthetic Conical** (*076000*)
  - Maximum length: 27.6” (70cm); minimum length: 4.7” (120mm).
  - Item #: ARBWA810. Cost: $729.95

### Bellows 5x7

- **Bellows 5x7 F/M-Line 70cm Synthetic Conical** (*075000*)
  - Maximum length: 27.6” (70cm); minimum length: 3.5” (90mm).
  - Item #: ARBWA57. Cost: $539.50

- **Bellows 5x7 F/M-Line 50cm Synthetic Conical** (*075001*)
  - Maximum length: 20” (50cm); minimum length: 2.6” (65mm).
  - Item #: ARBWA57. Cost: $346.95

- **Bellows 5x7 F/M-Line 25cm Leather Conical** (*075011*)
  - Maximum length: 9.9” (25cm); minimum length: 3.5” (90mm).
  - Item #: ARBWA57. Cost: $539.50

### Bellows 8x10

- **Wide-Angle Bellows 8x10 F/M-Line 30cm Leather** (*076010*)
  - Maximum length: 11.8” (30cm); minimum length: 2.2” (55mm).
  - Item #: ARBWA810L. Cost: $609.95

- **Bellows 8x10 F/M-Line 50cm Synthetic Conical** (*076000*)
  - Maximum length: 20” (50cm); minimum length 2.6” (65mm).
  - Item #: ARBWA810. Cost: $669.95

- **Bellows 8x10 F/M-Line 70cm Synthetic Conical** (*076001*)
  - Maximum length: 27.6” (70cm); minimum length: 3.5” (90mm).
  - Item #: ARBWA810L. Cost: $729.95

- **Wide-Angle Bellows 8x10 F/M-Line 30cm Leather** (*076010*)
  - Maximum length: 11.8” (30cm); minimum length: 2.2” (55mm).
  - Item #: ARBWA810L. Cost: $609.95
**Format Conversion F-Line**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>ARFS69F</td>
<td>Format Conversion Set F-Line 6x9 Wide-Angle</td>
<td>1,440.95</td>
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<tr>
<td>ARFS69F</td>
<td>Format Conversion Set F-Line 6x9-4x5 Wide-Angle</td>
<td>1,098.50</td>
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<tr>
<td>ARFS69F</td>
<td>Format Conversion Set F-Line Monolith 6x9-4x5 Wide-Angle</td>
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**Format Conversion M-Line**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
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<tbody>
<tr>
<td>ARFS45M</td>
<td>Format Conversion Set M-Line Monolith 6x9-4x5 Standard</td>
<td>1,396.50</td>
</tr>
<tr>
<td>ARFS45F</td>
<td>Format Conversion Set M-Line Monolith 4x5</td>
<td>1,192.95</td>
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</table>

**Format Reducing Adapters (Reducing Backs)**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARRB5745</td>
<td>Format Reducing Board 5x7-4x5</td>
<td>689.50</td>
</tr>
<tr>
<td>ARRB81045</td>
<td>Format Reducing Board 8x10-4x5</td>
<td>786.50</td>
</tr>
</tbody>
</table>
**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 (080003)**
  - Required only when using flat film holder.
  - Item # ARGGHFHA69 ...... 253.50

- **Groundglass Holder 6x9 F/M-Line (080005)**
  - Item # ARGGH69 ........... 294.95

- **Film Holder Adapter 4x5 F/M-Line (080008)**
  - Item # ARFGGH45 .......... 633.50

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

**Groundglass**

- **Groundglass for 6x9 F/M-Line (170011)**
  - Item # ARG69 .............. 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

**Roll Film Holders**

- **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 (611001)**
  - Consists of #611010 Roll Film Holder 6x9 and #080002 Roll Film Holder Adapter.
  - Item # ARFB6912069A... 749.95

- **Roll Film Holder 6x7 (611010)**
  - 8 exposures. Fits Graflock type 2x3 cameras. (For Arca 6x9, #080002 Adapter is required.)
  - Item # ARFB6912069 .... 469.95

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

- **Binocular Reflex Viewer for 4x5 F/M-Line (161003)**
  - For viewing upright screen images.
  - Item # ARRVM69 ........... 567.95

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

- **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

**120 Roll Film Holders**

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

- **Roll Film Holder 6x7 (611010)**
  - 8 exposures. Fits international standard 4x5 cameras.
  - Item # ARFB6712045 .... 484.50

- **Roll Film Holder 6x7 (611012)**
  - 8 exposures. Fits international standard 4x5 cameras.
  - Item # ARFB6712045 .... 484.50

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

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

#### Bellows Lens Hoods

<table>
<thead>
<tr>
<th>Compendium</th>
<th>Lens Hood 6x9 (111000) For F/M-Line. With scissors movement and film holder adapter. Includes compendium bracket and holder.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Item # ARCH 69 ........................................427.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compendium</th>
<th>Lens Hood 4x5 (111001) Also for 5x7 and 8x10 F/M-Line. With scissors movement and film holder adapter. Includes compendium bracket and holder.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Item # ARCH 45 ........................................564.50</td>
</tr>
</tbody>
</table>

#### 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**

| 13mm Blank Recessed Lensboard Not Drilled (0910411) | Item # ARLBRB171 ........................................69.95 |
| 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 # ARRRA4569 ........................................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: 19.9 x 17.3 x 11˝ (50.5 x 44 x 28cm) LWH.**

| Item # ARC45 ........................................408.50 |

**F-Line 4x5/M-Line 6x9 Aluminum Case “Duo” (140006) Dimensions: 17.1 x 16.1 x 9.8˝ (43.5 x 41 x 25cm) LWH.**

| Item # ARC45F69 ........................................408.50 |

**Leather Case for F-Line 6x9 Compact (140012) Includes two compartments for accessories. Dimensions: 11 x 6.9 x 10˝ (28 x 17.5 x 25.5cm) LWH.**

| Item # ARC69FC .......................................396.95 |

**Soft Nylon Bag Rucksack for Monorail Cameras (140020) For monorails up to 30cm. Dimensions: 12.6 x 8.9 x 13.8˝ (32 x 22.5 x 35cm) 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 |
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 its own right.

**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
- Quick and easy positioning of the front standard as well as the tripod mount

**LE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>Front: 360°; Rear: 360°</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWINGS:</td>
<td>Front: 360°; Rear: 360°</td>
</tr>
<tr>
<td>RISE AND FALL (COMBINED):</td>
<td>Front: 2.4” (60mm)</td>
</tr>
<tr>
<td>LATERAL SHIFT:</td>
<td>Front: 2.4” (60mm)</td>
</tr>
<tr>
<td>CAMERA BACK:</td>
<td>International Standard 4x5, Quick Change Vertical/Horizontal Back</td>
</tr>
<tr>
<td>FOCUSING SCREEN:</td>
<td>Grid Screen with Marks for 6x7, 6x9 and 6x12cm, with Fresnel Lens</td>
</tr>
<tr>
<td>INTERCHANGEABLE BELLOWS:</td>
<td>Yes</td>
</tr>
<tr>
<td>MINIMUM BELLOWS DRAW:</td>
<td>2.4” (60mm) using Wide-Angle Bellows</td>
</tr>
<tr>
<td>MAXIMUM EXTENSION:</td>
<td>15.7” (400mm)</td>
</tr>
<tr>
<td>MONORAIL LENGTH:</td>
<td>15.7” (400mm)</td>
</tr>
<tr>
<td>LENSBOARD:</td>
<td>Horseman 140x140mm Flat or Recessed</td>
</tr>
<tr>
<td>Item #</td>
<td>HOLE45................................1,345.00</td>
</tr>
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Subject to change without notice

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

Horseman LE 4x5 Camera (23135) With standard grided ground-glass.

24 Hour Fax: 800-947-7008 ■ 212-239-7770
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.

**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 calculates correct f-stop and focal point for depth of field
- Geared rise, fall
  and shift
- Die-cast and
  machined aluminum alloy
- Geared tripod
  mount
- Easily converted
  from right to left
  hand use
- Compact base tilt mechanism for yaw free movements

**HORSEMAN LS 4X5 VIEW CAMERAS**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>CAMERA BACK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 360° + 40° base tilt; Rear: 360° + 40° base tilt</td>
<td>International standard 4x5, quick change vertical/horizontal back</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SWINGS:</th>
<th>FOCUSING SCREEN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 360°; rear: 360°</td>
<td>Grid Screen with marks for 6x7, 6x9 and 6x12cm, with fresnel lens on LS 45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RISE AND FALL (COMBINED):</th>
<th>INTERCHANGEABLE BELLOWS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 2.4” (60mm); Rear: 2.4” (60mm)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LATERAL SHIFT:</th>
<th>MINIMUM BELLOWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 2.4” (60mm); Rear: 2.4” (60mm)</td>
<td>DRAW: 2.4” (60mm) using wide-angle bellows</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Maximum Extension: Expandable from 18.1 to 27.6” (460 to 700mm)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>MONORAIL LENGTH:</th>
<th>YAW-FREE BASE TILT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expandable from 18.1 to 27.5” (460 to 700mm)</td>
<td>Yes</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>WEIGHT:</th>
<th>EIGHT:</th>
</tr>
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<tbody>
<tr>
<td>13.9 lbs. (6.3kg)</td>
<td>13.9 lbs. (6.3kg)</td>
</tr>
</tbody>
</table>

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

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

LX/ LX-C 4x5 VIEW CAMERAS

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

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

Horseman LX-C

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

14-Day Customer Satisfaction Guarantee
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.

**FEATURES**

- Main Frame Displacement - front main frame can be moved parallel with the film plane, by precision worm gear
- Die-cast and machined aluminum alloy
- 2-way spirit level on front and rear standard
- Rack and pinion drive system on H-shaped monorail
- Easily converted from right to left hand use
- Optical bench modular camera (8x10”)
- Folds flat to fit into a smaller case
- Depth-of-field scale knob
- Geared tripod mount

**LX/ LX-C 8x10 SPECIFICATIONS**

| TILTS: | CAMERA BACK: |
| Front: 360° + 40° Base Tilt; | International Standard 8x10 |
| Rear: 360° + 40° Base Tilt | Quick Change Vertical/Horizontal Back |
| SWINGS: | FOCUSING SCREEN: |
| Front: 360°; Rear: 360° | Grid Screen |
| RISE AND FALL (COMBINED): | INTERCHANGABLE BELLOWS: |
| Front: 2.4” (60mm); | Yes |
| Rear: 2.4” (60mm) | |
| LATERAL SHIFT: | MINIMUM BELLOWS |
| Front: 1.2” (30mm); | DRAW: |
| Rear: 3.5” (90mm) | 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 |

**LEN SBO ARD:**

- Horseman 140x140mm
- Flat or Recessed

**DIMEN SIONS**

- 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
**Horseman L-System**

**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

8x10/5x7 Frame Adapter (23588)
A mounting spacer to attach 5x7 main frame (23715N) to 8x10 L-Support (23722) for 5x7 camera.
Item # HOF81057 ....444.95

**Rear Standards and L-Supports**

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

**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

**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 # HOB45 ............264.95

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

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

8x10 Standard Bellows (23581N)
Item # HOBWS10 ..........794.95

4x5 Extra Long Bellows (23563)
Item # HOBEL45 ............375.00

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

5x7 Standard Bellows (23557N)
Item # HOB557 ..................594.95

All items are complete with all accessories as supplied by the manufacturer.
<table>
<thead>
<tr>
<th>Monorails</th>
<th>Monorail Safety Stop</th>
<th>Monorail Safety Stop</th>
</tr>
</thead>
<tbody>
<tr>
<td>250mm Monorail (23561)</td>
<td></td>
<td></td>
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<tr>
<td>Especially for use with short focal length lenses.</td>
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<td></td>
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<tr>
<td>Item # HOMR250 ............ 158.95</td>
<td></td>
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<tr>
<td>400mm Monorail (23702)</td>
<td></td>
<td></td>
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<tr>
<td>(Replacement on Model 450.)</td>
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<tr>
<td>Item # HOMR400 ............ 199.95</td>
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<tr>
<td>560mm Monorail (23552)</td>
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<tr>
<td>Item # HOMR560 ............ 248.95</td>
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<tr>
<td>700mm Monorail (23555)</td>
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<tr>
<td>Item # HOMR700 ............ 394.95</td>
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<td></td>
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<tr>
<td>1000mm Monorail (23553)</td>
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<tr>
<td>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.</td>
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<tr>
<td>Item # HOMR1000 ........... 444.95</td>
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<tr>
<td>31cm Upper Rail (23836)</td>
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<tr>
<td>The upper rail slides back and forth, giving rail lengths from 460 to 700mm.</td>
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<td></td>
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<tr>
<td>Item # HOMR31 ............. 169.95</td>
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<tr>
<td>Expandable Monorail Type (S) (23554)</td>
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<tr>
<td>Shorter type of expandable monorail, with lengths from 300 to 450mm.</td>
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<tr>
<td>Item # HOMRES ............. 594.95</td>
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<td></td>
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<tr>
<td>Expandable Monorail with FC Scale (23732)</td>
<td></td>
<td></td>
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<tr>
<td>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.)</td>
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<tr>
<td>Item # HOMREFCS .......... 758.95</td>
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<tr>
<td>31cm Upper Rail</td>
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<tr>
<td>(23557)</td>
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<tr>
<td>With its FC scale, this Upper Rail effectively converts the Expandable Monorail for use with the focus computer.</td>
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<tr>
<td>Item # HOMR31FCS ...... 294.95</td>
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<tr>
<td>Monorail Safety Stop (23821)</td>
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<td></td>
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<tr>
<td>For 250, 400, 560 and 1000mm Monorails. (Replacement.)</td>
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<tr>
<td>Item # HOMR5250 ........... 19.95</td>
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<tr>
<td>Monorail Safety Stop (23822)</td>
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<tr>
<td>For expandable monorails. (Replacement.)</td>
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<td></td>
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<tr>
<td>Item # HOMRSE ............ 19.95</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Miscellaneous Body Accessories**

<table>
<thead>
<tr>
<th>Fine Focus Adapter (23566)</th>
<th>BELLows Connecting Frame (23561)</th>
<th>Twin Accessory Shoe Mounts (23564)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 track and pinion drive. Also useful in slide duplication, etc.</td>
<td>Necessary when joining two bellows, as in high magnification photography. Fine focus adapter (23566) required to prevent bellows from sagging.</td>
<td>L-shaped bracket attaches to the main frame and is fitted with two accessory shoes.</td>
</tr>
<tr>
<td>Item # HOFFA ............ 234.95</td>
<td>Item # HOB6C ................ 494.95</td>
<td>Item # HOASA .......... 75.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tripod Mount (23701)</th>
<th>Twin Accessory Shoe Mounts (23564)</th>
<th>Quick Shoe Adapter (27565)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
<td>Spare.</td>
</tr>
<tr>
<td>Item # HOTM ........... 99.95</td>
<td>Item # HOASA .......... 75.00</td>
<td>Item # HQSA ........ 69.95</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Support Plate (27562)</th>
<th>Support Plate (27562)</th>
<th>Multi-Purpose Support Bracket (23560)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
<td>Mounted under the monorail on L-series cameras, this support bracket is designed to hold additional accessories securely. Two 3/8” mounting screws included.</td>
</tr>
<tr>
<td>Item # HOSP .......... 374.95</td>
<td>Item # HOSP .......... 374.95</td>
<td>Item # HOBMP ........ 194.95</td>
</tr>
</tbody>
</table>

| Driving Aid Rubber Ring (25681) | H O R S E M A N   

**PHOTO - VIDEO - PRO AUDIO**
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 (23371N)
Mounts directly onto 5x7 main frame.
Item # HOGGB57 ..........984.95

8x10 Groundglass Back (23277N)
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

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 # HOBBDV ..........609.00

4x5 Folding Binocular Reflex Viewer (23543)
For right side up viewing of the image. Folds into a small, portable unit. Useful 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 # HOBFRV ..........849.00

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

4x5 Fresnel Lens (23832)
Fresnel lens only.
Item # HOF45 ..........79.95

4x5 Bright Screen (24694)
This screen increases the brightness of the groundglass by approximately one aperture setting.
Item # HOB545Q .........169.95

4x5 Aerial Image Focusing Screen (24560)
For microscopic and extreme low-light photography.
Item # HOGGAI45 .......249.95

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

8x10 Groundglass (27863N)
(Replacement.)
Item # HOGGB810 .......124.95

Fabrication

4x5 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

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

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

Universal Zoom Finder 45 (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 zoom-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

Corporate Accounts Are Welcome
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 (22585N)**
Reduces from 8x10" to 4x5".
Requires 4x5 connecting frame (23707) and 4x5 groundglass back (23708) for 4x5" photography.
Item # HORB81045...794.95

**L57 Reducing Back (22586N)**
Reduces from 5x7" to 4x5".
Requires 4x5 connecting frame (23707) and 4x5 groundglass back (23708) for 4x5" photography.
Item # HORB5745......694.95

**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

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

**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

**Dark Slide (22802)**
Replacement dark slide for roll film holders 451-454.
Item # HODSF845.........12.95

**Dark Slide (22804)**
Replacement dark slide for roll film holders 612.
Item # HODSF612 .........14.95

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 photography. 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 # HOGGBRB1.................................................................98.95
**Miscellaneous Front Accessories**

**Semi-Transparent Mirror** (22671)
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 (22566), or auxiliary frame (22562) for mounting.

Item # HOSAFL .............224.95

**Fine Focus Adapter** (22566)
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 # HOSAFL .............234.95

**Auxiliary Frame with Tilt/Swing System** (22562)
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 # HOBQ .................274.95

**Lensboards and Adapter Lensboards**

**Blank View Lensboard** (22511)
For drilling own lens opening.

Item # HOBV .................49.95

**#0 View Lensboard** (22513)
Item # HOBV .................69.95

**#1 View Lensboard** (22514)
Item # HOBV .................69.95

**#3 View Lensboard** (22515)
Item # HOBV .................69.95

**#0 Recessed View Lensboard** (22523)
Recessed 20mm, for #0 shutter.

Item # HOBV .................294.95

**14cm Bayonet Lensboard** (22531)
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 # HOBV .................444.95

**Bayonet Ring #0** (22535)
Drilled for #0 shutter.

Item # HOBV .................94.95

**Bayonet Ring #1** (22536)
Drilled for #1 shutter.

Item # HOBV .................94.95

**2x LF Teleconverter**

For large-format lenses. Enables you to convert most 150mm focal length 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 # HOBV .................464.95

Most Orders Shipped Within 24 Hours
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 # HOFBTL .........349.95
- **3" Square Filter Holder** (23883)
  - Item # HOFS3 .............7.95
- **4" Square Filter Holder** (23884)
  - Item # HOFS4 .............7.95
- **5" Square Filter Holder** (23885)
  - Item # HOFS5 .............7.95

### Digital Shutter

The IS-1 Intelligent Shutter System is a remote controlled aperture and shutter speed selector for view cameras. All operations can be controlled behind the camera. Shutter speeds are from 1/125 of a second to 99 minutes and 59 seconds. The aperture can be fine-adjusted in steps of 1, 1/2, 1/3, 1/6 and 1/10 of a stop. On the control unit, the shutter speed can be selected either with an F/S (faster/slower) toggle, giving you 1/3 increments (i.e. 1/60 + 1/3, 1/30 + 2/3 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 charger, A/C adapter, and car battery adapter.
  - Item # HOPKISS ...........424.95

#### Simultaneous Operation Cable (2223)
- Item # HOSOC ..............99.95

#### Remote Release (1m) (22232)
- Item # HORR1 ..............174.95

#### Remote Release (5m) (22234)
- Item # HORR5 ..............258.95

#### ISS Flex Clamp (22521)
- Item # HOFCLISS ...........349.95

#### Adapter Ring #0 (27556)
- For #0 shutter. (Replacement.)
  - Item # HOAR0FHTL .......39.95

#### Adapter Ring #1 (27557)
- For #1 shutter.
  - Item # HOAR1FHTL .......39.95

#### Adapter Ring #3 (27559)
- For #3 shutter.
  - Item # HOAR3BTLF .......44.95

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

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

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

#### Horseman Camera 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)**
  - Compact, lightweight leatherette case holds folded camera. Fits under airplane seat. Dimensions are 21.6x16.1x5.9” (55x41x15cm), weighs 9.9lbs (4.5kg).
  - Item # HOFCF3 ..........684.95

- **Heavy Duty Case (27573)**
  - Sturdy aluminum case holds and protects assembled camera. Dimensions are 20x16.5x11.4” (52x42x29cm), weighs 15lbs (6.8kg).
  - Item # HOFCF3 ..........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 # HOFCF3 ..........444.95

### ISS Control Kit (23201)
- Item # HOCKISS ...........3,494.50
An adjustable modular view camera covering from 6x6 (2 1/4 x 2 1/4") to 6x9cm (2 1/4 x 3 1/4") formats, the M 679 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 M 679 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 M 679 Camera (000115)
  - Includes bellows, front and rear standard with integrated benchholder, groundglass back without groundglass and system transportation case.
  - Item # LIM 679 .................. 4,044.95

**Lens Boards**

<table>
<thead>
<tr>
<th>Lensboard</th>
<th>Item #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Lensboard (001160)</td>
<td>LILBOM 679</td>
<td>109.95</td>
</tr>
<tr>
<td>1 Lensboard (001161)</td>
<td>LILB1M 679</td>
<td>109.95</td>
</tr>
<tr>
<td>3 Lensboard (001173)</td>
<td>LILB3M 679</td>
<td>109.95</td>
</tr>
<tr>
<td>#0 Lensboard (001171) For 100 f/5.6mm APO Sironar N lens.</td>
<td>LILBOM 679Q</td>
<td>109.95</td>
</tr>
<tr>
<td>#0 Recessed Lensboard (001163)</td>
<td>LILBR0M 679</td>
<td>129.50</td>
</tr>
<tr>
<td>#1 Recessed Lensboard (001164)</td>
<td>LILBR1M 679</td>
<td>129.50</td>
</tr>
<tr>
<td>#0 Double Recessed Lensboard (001176) For ultra-wide lenses such as 35 f/4.5mm APO-Grandagon lens.</td>
<td>LILBDROM 679</td>
<td>176.50</td>
</tr>
<tr>
<td>Lensboard Adapter Technika (001100) For lenses mounted on Linhof and Wista boards.</td>
<td>LILBAT 45M 679</td>
<td>476.95</td>
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</tbody>
</table>

**M 679 Specifications**

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>CAMER A BACK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 75°; Rear: 75°</td>
<td>Special design accepts most 6x6, 6x7, Linhof 6x9, and digital backs via adapter</td>
</tr>
<tr>
<td>SWINGS:</td>
<td>FOCUSING SCREEN:</td>
</tr>
<tr>
<td>Front: 36°; Rear 24°</td>
<td>Optional</td>
</tr>
<tr>
<td>LATERAL SHIFT:</td>
<td>IN TERCHANG EABLE BELL O W S:</td>
</tr>
<tr>
<td>Front: 6.6” (168mm); Rear: 6.6” (168mm)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MINIMUM BELL O W S DRAW:</th>
<th>MAXIMUM EXTEN SIO N:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1˝ (25mm)</td>
<td>12.8˝ (326mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MON ORAIL LENG TH:</th>
<th>LEN SBO ARD:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.8˝ (326mm)</td>
<td>Linhof square 4½ x 4½” M 679 type</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OVERALL DIMENSIONS:</th>
<th>W EIG HT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.7 x 6 x 11.6” (170 x 153 x 294mm) L.W.H.</td>
<td>8.4 lbs. (3.8kg)</td>
</tr>
<tr>
<td>Item #</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>LIBGGM679</td>
<td>Groundglass Back</td>
</tr>
<tr>
<td>LIGG66M679</td>
<td>Groundglass 6x6cm Scored</td>
</tr>
<tr>
<td>LIGG67M679</td>
<td>Groundglass 6x7cm Scored</td>
</tr>
<tr>
<td>LIGG33M679</td>
<td>Groundglass 3x3cm Scored</td>
</tr>
<tr>
<td>LIGGKDCS465</td>
<td>Kodak DCS 465 Back Adapter</td>
</tr>
<tr>
<td>LIFSM679</td>
<td>Fresnel Lens</td>
</tr>
<tr>
<td>LBBNM679</td>
<td>Normal Bellows</td>
</tr>
<tr>
<td>LIBWAM679</td>
<td>Wide Angle Bellows</td>
</tr>
<tr>
<td>LIFBAHM679</td>
<td>Hasselblad Back Adapter</td>
</tr>
<tr>
<td>LIFBAKDCS465</td>
<td>Hasselblad Adapter Back Adapter</td>
</tr>
<tr>
<td>LICPSM679</td>
<td>Magnifier Viewing Adapter 8x8 for Basic Light Hood</td>
</tr>
<tr>
<td>LIFHM679</td>
<td>Filter Holder</td>
</tr>
<tr>
<td>LIFBAUM679</td>
<td>Universal Back Adapter</td>
</tr>
<tr>
<td>LIVRM679</td>
<td>Right Angle Reflex Attachment</td>
</tr>
<tr>
<td>LIDBAKDCS465</td>
<td>Hasselblad Adapter Back Adapter</td>
</tr>
<tr>
<td>LICPSM679</td>
<td>Multi Adapter</td>
</tr>
<tr>
<td>LIFBAHM679</td>
<td>Rapid Change Adapter Slide M679</td>
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<tr>
<td>LIFBAHM679</td>
<td>Hasselblad Adapter</td>
</tr>
<tr>
<td>LFFSM679</td>
<td>Filter Holder</td>
</tr>
<tr>
<td>LIFBAHBM679</td>
<td>Adapter</td>
</tr>
<tr>
<td>LIFBAUM679</td>
<td>Hasselblad Back Adapter</td>
</tr>
<tr>
<td>LIFBAHM679</td>
<td>Hasselblad Back Adapter</td>
</tr>
<tr>
<td>LIFBAUM679</td>
<td>Hasselblad Back Adapter</td>
</tr>
<tr>
<td>LIFBAHM679</td>
<td>Hasselblad Back Adapter</td>
</tr>
</tbody>
</table>

**Fresnel Lens**
For increasing the brightness of the image corners when using short focal lengths. With the Linhof M 679, 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.

**Normal Bellows**
Replacement. For lenses with focal lengths of 90mm to 240mm.

**Wide Angle Bellows**
For lenses with focal lengths of 35mm to 90mm.

**Hasselblad Back Adapter**
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.

**Magnifier Viewing System 6x6 Schneider**
Permits the viewing of the 6x6 format with the magnifying factor of 3x. This accessory is inserted before the groundglass of the M 679 Groundglass Back and firmly locked.

**Magnifier Viewing Adapter 8x8 for Basic Light Hood**
Used with the Basic Light Hood permitting viewing of the total groundglass area.

**Rough Angle Reflex Attachment**
Offers an upright and unversed image.

**Basic Compendium**
Includes filter holder.

**Pro Compendium**
Includes filter holder, bellows and vignetting mask holder.

**Filter Holder**
For 105mm and 4x4" filters.

**Leaf Filter Wheel Holder**
For Graflok type back 45 with Hasselblad.

**M679 System Transportation System**
Replacement.
# TECHNIKARDAN 23S 2 ¼ x 3 ¼” SYSTEM

The ultra-compact Technikardan cameras perfectly unite the compactness of the classical Technika drop-bed 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

## TECHNIKARDAN 23S SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 360°; Rear: 360°</td>
<td>Front: 360°; Rear 360°</td>
<td>Front: 2.75° (70mm);</td>
<td>Front: 3.25° (86mm);</td>
<td>Quick Change Back accepts Standard 6x9 Cut Film Holders, Super Rollex and Cine Rollex Roll Film Backs</td>
<td>2” (48mm) with Wide-Angle Bellows</td>
<td>13.4” (340mm)</td>
<td>13” (330mm)</td>
<td>Linhof Technika Type 96x99mm</td>
</tr>
<tr>
<td>SWINGS:</td>
<td>RISE &amp; FALL (COMBINED):</td>
<td>Rear: 2.75° (70mm)</td>
<td>Rear: 3.25° (86mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| MINIMUM BELLOWS DRAW:        | MAXIMUM EXTENSION:             | MONORAIL LENGTH:        | LENSBOARD:                   |
| 2” (48mm) with Wide-Angle Bellows | 13.4” (340mm)                  | 13” (330mm)             | Linhof Technika Type 96x99mm |

| FOLDED DIMENSIONS:           | OVERALL DIMENSIONS:            | W E I G H T:            |
| 3.7 x 6.3 x 8.3” (95 x 160 x 210mm) | 4.9 x 6.5 x 8.2” (125 x 165 x 210mm) | 5.3lbs. (2300g) |

Subject to change without notice

Equipment Leasing Available
LINHOF

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.

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

THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

TECHNIKARDAN 45S SPECIFICATIONS

<table>
<thead>
<tr>
<th>TILTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 360°</td>
</tr>
<tr>
<td>Rear: 360°</td>
</tr>
<tr>
<td>SWINGS:</td>
</tr>
<tr>
<td>Front: 360°</td>
</tr>
<tr>
<td>Rear: 360°</td>
</tr>
<tr>
<td>RISE &amp; FALL:</td>
</tr>
<tr>
<td>Front: 2.75” (70mm)</td>
</tr>
<tr>
<td>Rear: 2” (51mm)</td>
</tr>
<tr>
<td>LATERAL SHIFT:</td>
</tr>
<tr>
<td>Front: 3.25&quot; (86mm)</td>
</tr>
<tr>
<td>Rear: 4.25&quot; (108mm)</td>
</tr>
<tr>
<td>CAMERA BACK:</td>
</tr>
<tr>
<td>International Standard 4x5</td>
</tr>
<tr>
<td>FOCUSING SCREEN:</td>
</tr>
<tr>
<td>4x5 Groundglass with Grid Lines</td>
</tr>
<tr>
<td>INTERCHANGEABLE BELLOWS:</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>MINIMUM BELLOWS DRAW:</td>
</tr>
<tr>
<td>2.8” (70mm) with Wide-Angle Bellows</td>
</tr>
<tr>
<td>MAXIMUM EXTENSION:</td>
</tr>
<tr>
<td>19” (485mm)</td>
</tr>
<tr>
<td>MONORAIL LENGTH:</td>
</tr>
<tr>
<td>19” (482mm)</td>
</tr>
<tr>
<td>LENSBOARD:</td>
</tr>
<tr>
<td>Linhof Technika Type 96x99mm</td>
</tr>
<tr>
<td>FOLDED DIMENSIONS:</td>
</tr>
<tr>
<td>4.3 x 8.5 x 10” (110 x 215 x 255mm)</td>
</tr>
<tr>
<td>OVERALL DIMENSIONS:</td>
</tr>
<tr>
<td>5 x 8.5 x 10” (125 x 215 x 255mm)</td>
</tr>
<tr>
<td>WEIGHT:</td>
</tr>
<tr>
<td>6.4lbs (2900g)</td>
</tr>
</tbody>
</table>

Subject to change without notice.

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

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 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.

**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 E45 Specifications**

<table>
<thead>
<tr>
<th>Tri-Axial Tilts:</th>
<th>Center Tilts:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 80°; Rear: 80°</td>
<td>Front: 75°; Rear: 75°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Swings:</th>
<th>RISE &amp; FALL (Combined):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 360°; Rear: 360°</td>
<td>Front: 3.3″ (84mm); Rear: 3.3″ (84mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lateral Shift:</th>
<th>Minimum Bellows</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 5.5″ (140mm); Rear: 5.5″ (140mm)</td>
<td>DRAW: 3″ (75mm) with wide-angle bellows</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera Back:</th>
<th>Maximum Extension:</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Standard 4x5”</td>
<td>20″ (508mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Focusing Screen:</th>
<th>Monorail Length:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5 Groundglass with Grid Lines</td>
<td>Telescopes from 15-23”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interchangeable Bellows:</th>
<th>Yaw-Free Base Tilt:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lensboard:</th>
<th>Dimensions:</th>
<th>Weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linhof Kardan Type</td>
<td>15 x 9.5 x 14” (380 x 240 x 355mm)</td>
<td>8.6lbs (3.9kg)</td>
</tr>
</tbody>
</table>

We Display at National and Regional Shows/Conventions
LINHOF

KARDAN GT45 4 x 5 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.

**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 advanced 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

**KARDAN GT45 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TRI-AXIAL TILTS:</th>
<th>LATERAL SHIFT:</th>
<th>MINIMUM BELLOWS DRAW:</th>
<th>LEN SBO ARD:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 80°; Rear: 80°</td>
<td>Front: 5.5° (140mm); Rear: 5.5° (140mm)</td>
<td>3&quot; (7.5cm) with wide-angle bellows</td>
<td>Linhof Kardan Type 162x162mm Flat or Recessed</td>
</tr>
<tr>
<td>CENTER TILTS:</td>
<td>CAMERA BACK:</td>
<td>MAXIMUM EXTENSION:</td>
<td>DIMENSIONS:</td>
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<tr>
<td>Front: 75°; Rear: 75°</td>
<td>International Standard 4x5&quot;</td>
<td>20&quot; (508mm)</td>
<td>15 x 9.5 x 14&quot; (380 x 240 x 355mm) L.W.H.</td>
</tr>
<tr>
<td>SWINGS:</td>
<td>FOCUSING SCREEN:</td>
<td>MONORAIL LENGTH:</td>
<td>WEIGHT:</td>
</tr>
<tr>
<td>Front: 360°; Rear: 360°</td>
<td>4x5 Groundglass with Grid Lines</td>
<td>Telescopes from 15-23&quot;</td>
<td>9.7 lbs. (4.4kg)</td>
</tr>
<tr>
<td>RISE &amp; FALL (COMBINED):</td>
<td>INTERCHANGEABLE BELLOWS:</td>
<td>YAW-FREE BASE TILT:</td>
<td>Subject to change without notice</td>
</tr>
<tr>
<td>Front: 3.3&quot; (84mm); Rear: 3.3&quot; (84mm)</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

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

**FEAT URES**

- 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
- Center axis swings and tilts for uncomplicated Scheimpflug adjustments
- Parallel locks on base tilt guarantees perfect camera alignment

**KARDAN GTI 45 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TRI-AXIAL TILTS:</th>
<th>CENTER TILTS:</th>
<th>LATERAL SHIFT:</th>
<th>MINIMUM BELLOWS DRAW:</th>
<th>YAW-FREE BASE TILT:</th>
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</thead>
<tbody>
<tr>
<td>Front: 80°; Rear: 80°</td>
<td>Front: 75°; Rear: 75°</td>
<td>Front: 5.5° (140mm);</td>
<td>3” (7.5cm) with wide angle bellows</td>
<td>Yes</td>
</tr>
<tr>
<td>CENTER TILTS:</td>
<td></td>
<td>Rear: 80°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front: 75°; Rear: 75°</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SWINGS:</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Front: 360°; Rear: 360°</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>RISE &amp; FALL (COMBINED):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front: 3.3” (84mm);</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear: 3.3” (84mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LATERAL SHIFT:</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>FRONT: 5.5° (140mm);</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REAR: 5.5° (140mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAMERA BACK:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4x5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOCUSING SCREEN:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4x5 Groundglass with Grid Lines</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERCHANGEABLE BELLOWS:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MINIMUM BELLOWS DRAW:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3” (7.5cm) with wide angle bellows</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAXIMUM EXTENSION:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40” (1000mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONORAIL LENGTH:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telescopes from 24-41” (61-104cm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 lbs. (8.8kg)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subject to change without notice

Item # LIKGTI45 ................................................................. 4,099.00

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).

Members of PPA, ASMP, PSA, NPPA and NANPA
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.

**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

**Kardan GT810 Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tri-Axial Tilts</td>
<td>Front: 80°; Rear: 80°</td>
</tr>
<tr>
<td>Center Tilts</td>
<td>Front: 75°; Rear: 75°</td>
</tr>
<tr>
<td>Swings</td>
<td>Front: 360°; Rear: 360°</td>
</tr>
<tr>
<td>RISE &amp; FALL (COMBINED)</td>
<td>Front: 6.3˝ (160mm); Rear: 6.3˝ (160mm)</td>
</tr>
<tr>
<td>Lateral Shift</td>
<td>Front: 5.5˝ (140mm); Rear: 5.5˝ (140mm)</td>
</tr>
<tr>
<td>Camera Back</td>
<td>International Standard 8x10˝</td>
</tr>
<tr>
<td>Minimum Bellows</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Drawing</td>
<td>3.5˝ (9cm) with wide-angle bellows</td>
</tr>
<tr>
<td>Maximum Extension</td>
<td>19.5˝ (749mm)</td>
</tr>
<tr>
<td>Monorail Length</td>
<td>Telescopes from 23.5-32˝</td>
</tr>
<tr>
<td>Yaw-Free Base Tilt</td>
<td>Yes</td>
</tr>
<tr>
<td>LEN SBO A RD</td>
<td>Linhof Kardan Type 162x162mm Flat or Recessed</td>
</tr>
<tr>
<td>Dimen sio N S</td>
<td>23.5 x 17 x 19.5˝ (600 x 435 x 495mm) L.W.H</td>
</tr>
<tr>
<td>Weig ht</td>
<td>16.5 lbs. (7.5kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
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.

FEATURES
- Yaw-free indirect displacements with inclined monorail
- L-bracket design for easy access to swings and tilts
- Spirit level on rear standard
- Upgradeable to 5x7 and 8x10 format
- Rigid extending telescopic monorail 18-25”
- 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
- 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
- Precise and convenient depth-of-field calculation, even in the macro

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)

LATERNAL 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

LEN SBO A RD:
- Linhof Kardan Type 162x162mm Flat or Recessed

FO LED DIMEN SIO N S:
- 17.7 x 11.2 x 17.5” (450 x 285 x 445mm)

W EIG HT:
- 18.25 lbs. (8.3kg)

Subject to change without notice
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

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 |
| LEN SBO ARD: |
| 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) |
**Bellows**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBNK57</td>
<td>5x7 Wide-Angle Bellows</td>
<td>869.95</td>
</tr>
<tr>
<td>LIBN57GTL</td>
<td>8x10 Standard Conical Bellows</td>
<td>1,487.50</td>
</tr>
<tr>
<td>LIBNKGTL45</td>
<td>4x5 Standard Bellows</td>
<td>1,312.95</td>
</tr>
<tr>
<td>LIBNKE45</td>
<td>4x5 Wide-Angle Bellows</td>
<td>377.95</td>
</tr>
<tr>
<td>LIBNKGTL</td>
<td>4x5 Wide-Angle Bellows</td>
<td>377.95</td>
</tr>
<tr>
<td>LIBNKGTL57</td>
<td>5x7 Standard Bellows</td>
<td>603.95</td>
</tr>
</tbody>
</table>

**Camera Extensions**

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

<table>
<thead>
<tr>
<th>Camera</th>
<th>From</th>
<th>To</th>
<th>Items to Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>20' (500mm)</td>
<td>32' (800mm)</td>
<td>1, 3, 5 and 6</td>
</tr>
<tr>
<td>57</td>
<td>20' (500mm)</td>
<td>32' (800mm)</td>
<td>1, 3, 5 and 6</td>
</tr>
<tr>
<td>45</td>
<td>22' (575mm)</td>
<td>36' (925mm)</td>
<td>2, 4, 5 and 7</td>
</tr>
<tr>
<td>57</td>
<td>22' (575mm)</td>
<td>36' (925mm)</td>
<td>2, 4, 5 and 7</td>
</tr>
<tr>
<td>810</td>
<td>30' (760mm)</td>
<td>46' (1160mm)</td>
<td>2, 4, 5 and 7</td>
</tr>
</tbody>
</table>

**Macro Support Brackets**

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

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBGK12</td>
<td>45 Auto Groundglass Back</td>
<td>1,144.95</td>
</tr>
<tr>
<td>LIBGK13</td>
<td>57 Groundglass Back</td>
<td>1,177.95</td>
</tr>
<tr>
<td>LIBGK14</td>
<td>810 Auto Groundglass Back</td>
<td>1,288.50</td>
</tr>
</tbody>
</table>

**Camera Backs**

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

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBGK11</td>
<td>45 Groundglass Back</td>
<td>1,034.50</td>
</tr>
<tr>
<td>LIBGK12</td>
<td>57 Groundglass Back</td>
<td>1,177.95</td>
</tr>
<tr>
<td>LIBGK13</td>
<td>810 Auto Groundglass Back</td>
<td>1,288.50</td>
</tr>
</tbody>
</table>
### 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 # LICK5745KGTL .................2,855.95*

**Conversion Kit**

**GT 45/57 to 4x5 (002732)**
Consists of 4x5 Standard bellows (002739), 8x10 rear standard frame, 8x10 groundglass back and long GT monorail 800mm.

*Item # LICK45810KGT .................4,799.95*

**Conversion Kit**

**Kardan GTL 45 to 5x7 (002703)**
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 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 # LICK5745KGT .................1,639.95*

ForReducingBacks, see Back Accessories.

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### 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.

<table>
<thead>
<tr>
<th>23 Multifocus Finder (001388)</th>
<th>Distance scale in feet. Includes 6x9 mask for Super Technika 23 and other 2x3 cameras.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIFMF23 ..................1,398.50</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Multifocus Finder (001378)</th>
<th>With 4x5 mask for Master Technika 45 and other 4x5 cameras.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIFMF45 ..................1,398.50</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9x12cm Mask (001379)</th>
<th>For 45 Multifocus Finder.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIM 912MF45 ....125.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Multifocus Finder (001380)</th>
<th>6x12cm mask for 45 Multifocus Finder.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIM 612MF45 ...........125.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>23 Mask (001381)</th>
<th>6x9cm mask for 45 Multifocus Finder.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIM 69MF45 .....125.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>67 Mask (001382)</th>
<th>6x7cm mask for 45 Multifocus Finder.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIM 67MF45 .....125.95</td>
<td></td>
</tr>
</tbody>
</table>

#### Groundglass

*For Kardan 4x5 cameras. Grid lines and scoring.*

<table>
<thead>
<tr>
<th>23 Groundglass (021807)</th>
<th>For TK 23. With grid lines and scoring. For 6x7cm. (Replacement.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG23 ..........38.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>23 Groundglass (021813)</th>
<th>For TK 23. With grid lines and scoring. For 6x7 and 6x9.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGC23 ..........43.50</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Groundglass (021808)</th>
<th>For Kardan 4x5 cameras. With grid lines and scoring.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG45 ..........49.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Groundglass with Center Cross (021834)</th>
<th>For Kardan 4x5 cameras. For macro photography.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGC45 ..........57.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4x5 Groundglass Frame (001619)</th>
<th>For Kardan 4x5 cameras. With spring-loaded retaining clips and groundglass.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGFK45 ...........509.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 Auto Groundglass Frame (001639)</th>
<th>Same as above. For film holder controlled shutter operation (Prontor self-cocking shutter).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGFB45 ............474.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Groundglass AMS (021831)</th>
<th>For Kardan 4x5 AMS cameras.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG45KMGTL .......49.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Groundglass (021812)</th>
<th>For Kardan 4x5 cameras. With grid lines and scoring.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG57 ..........66.50</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>45 Groundglass with Center Cross (021834)</th>
<th>For Kardan 4x5 cameras. For macro photography.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG57 ..69.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>57 Groundglass (021802)</th>
<th>For Kardan 5x7 cameras. With grid lines and scoring.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG57 ..........69.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>57 Groundglass with Center Cross (021808)</th>
<th>For Kardan 5x7 cameras. Clear center spot and 5x7 scoring.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG57 ..69.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>57 Groundglass AMS (021830)</th>
<th>For Kardan 5x7 AMS cameras. With grid lines and 5x7 scoring.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG57KMGTL .......68.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>810 Groundglass with Center Cross (021808)</th>
<th>For Kardan 8x10 cameras. Clear center spot and 8x10 scoring.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item # LIGGG810 ....94.50</td>
<td></td>
</tr>
</tbody>
</table>

---

**66 Mask (001383) | 6x6cm mask for 45 Multifocus Finder.**

*Item # LIM 66MF45 .......119.50*

**45 Mask (001385) | 4x5" mask for 45 Multifocus Finder. (Replacement.)**

*Item # LIM 45MF45 .......125.95*

**Polaroid Mask (001386) | For 45 Multifocus Finder.**

*Item # LIM PMF45 .......125.95*

**66 Mask (001386) | 6x6cm mask for 23 Multifocus Finder.**

*Item # LIM 66MF23 .......119.50*

**67 Mask (001387) | 6x7cm mask for 23 Multifocus Finder.**

*Item # LIM 67MF23 .......125.95*
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
For 2x3 cameras. With metric depth-of-field table.
Item # LIFFH 23 ............ 324.95

45 Focusing Hood
For 4x5 cameras. With feet depth-of-field table.
Item # LIFFH 45 ............ 439.95

57 Focusing Hood
For 5x7 cameras. With metric depth-of-field table.
Item # LIF57 ................... 228.50

23 Right Angle Reflex Attachment
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 # LIRF 23 ............ 508.50

45 Right Angle Reflex Attachment
Same as above. For 4x5 cameras.
Item # LIRF 45 ............ 764.95

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

23 Focus/Metering Bellows
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 # LIFBM 23 ............ 609.95

45 Focus/Metering Bellows
Same as above. For 4x5 cameras.
Item # LIFBM 45 ............ 634.95

57 Focus/Metering Bellows
Same as above. For 5x7 cameras.
Item # LIFBM 57 ............ 762.95

810 Focus/Metering Bellows
Same as above. For 8x10 cameras.
Item # LIFBM 810 ......... 779.95

Miscellaneous Viewing Accessories

8x Focusing Magnifier
With transparent tube, for non-transparent objects.
Item # LIL78 ............ 189.95

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

Reducing Backs

810 to 45 Reducing Frame
Fits Kardan 8x10 cameras. Includes Grafrock-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 # LIRF 810 45K ....... 982.50

810 to 57 Reducing Frame
Fits Kardan 8x10 cameras made after 1968. Additional use of 5x7groundglass back (001634 or 001681) is required to accept 5x7 film holders.
Item # LIRF 810 57K ....... 978.50

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

57 to 45 Polaris Reducing Back
Allows direct insertion of Polaroid 545 backs onto 5x7 cameras.
Item # LIP 55 45 ........... 509.95

2x3 Polaroid Back
Polaroid Back 23 (001666)
Modified 405 back. Fits Polaroid 600 series film.
Item # LIFBP 23 ......... 788.50
Rollfilm Backs for 2x3 Cameras

6x6 Super Rollex
Film Back (001527)
120 film, 6x6cm, 10 exposures.
Item # LISR6612023...1,817.50

6x7 Super Rollex
Film Back (001469)
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 (001567)
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 # LIRR67623......1,177.95

70mm Cine Rollex
Film Back (001467)
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 Cine Rollex 6x7 Film Back (001466)
12 exposures, 2½ x 2½", 6x7cm. For 23 and 45 film backs for 120 film.
Item # LII61205R .......1,254.95

Super Rollex Insert (001528)
8 exposures, 2½ x 2½", 6x6cm. For 23 and 45 film backs for 120 film.
Item # LII61205R .......1,254.95

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 # LII61205R .......1,254.95

6x9 Super Rollex
Film Back (001522)
120 film, 6x9cm, 8 exposures (2½ x 3¼").
Item # LISR6612045...1,817.50

6x7 Rapid Rollex
Film Back (001567)
120 film, 6x7cm (2½ x 2½") 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

35mm Super Rollex Insert (001467)
10 exposures, 2½ x 2½", 24 x 36mm.
Item # LISR3545......1,817.50

6x12 Techno Rollex
Film Back (001560)
120 film, 6x12cm, 6 exposures (2½ x 4¼").
Item # LITR61245 ......2,917.95

70mm Cine Rollex 6x7 Film Back (001525)
12 exposures, 2½ x 2½", 6x7cm. (Replacement for 23 and 45 film backs for 120 film.)
Item # LICR6724 .......2,389.50

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 # LIC70 ................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 (001468)
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.

6x6 Super Rollex
Film Back (001527)
120 film, 6x6cm, 12 exposures (2½ x 2½").
Item # LISR6612045...1,817.50

6x7 Super Rollex
Film Back (001469)
120 film, 6x7cm, 10 exposures.
Item # LISR6712045...1,817.50

6x7 Super Rollex
Film Back (001464)
220 film, 6x7cm, 20 exposures (2½ x 2½").
Item # LISR6722045...1,817.50

6x9 Super Rollex
Film Back (001522)
120 film, 6x9cm, 8 exposures (2½ x 3¼").
Item # LISR6612045...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 # LIRR67623 ......1,177.95

70mm Cine Rollex
Film Back (001467)
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. Supplied with 2 empty 70mm cartridges (022508).
Item # LICR6745 ......2,389.50

70mm Cine Rollex 6x7 Film Back (001466)
12 exposures, 2½ x 2½", 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 (001466)
12 exposures, 2½ x 2½", 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 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 # LIC70 ................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 (001468)
Enables Bronica GS-1 backs to be used on all 2x3 cameras.
Item # LIFBAB ............614.50

1•800•947•6650
**Films 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**
  - Item # LIGA ................. 134.95
  - Also for Gossen Luna-Pro S and Luna-Pro F.
  - Item # LIGA ................. 134.95

  - **Luna Pro S**
    - Item # GOLPS .................. 199.95

  - **Luna Pro F**
    - Item # GOLPF .................. 289.95

- **Luna Pro SBC**
  - Item # GOLPSBC .................. 251.95

- **Luna Pro F**
  - Item # GOLPF .................. 289.95

- **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**
    - Item # LICHT ................................ 324.95
  - **Compendium Hood Technikardan 23/45**
    - Item # LICHTK .................. 538.95
  - **Compendium Hood Kardan**
    - Item # LICHK .................. 538.95

- **Professional Compendium Hood**
  - Item # LICHT45 .............. 538.95

- **Filter Holder**
  - Item # LIFH9544 .................. 133.95

- **Vignetting Mask Holder**
  - Item # LIVM .................. 29.95

- **Filter Folding Frames**
  - Item # LIFFS44 ............... 133.95

- **Technika 45 Lensboards (96 x 99mm)**
  - **Flat Lensboard 45**
    - Item # LILBBT45 ............. 125.95
  - **Prontor #1 Lensboard 45**
    - Item # LILBBT45 ............. 125.95
  - **Recessed Lensboard 45**
    - Item # LILBBT45 ............. 139.50

- **Legend**
  - Overnight Shipping Available
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 # LILB0T45Q4 ....189.95
Compur #0
Recessed Lensboard 45 (001030)
Item # LILB1T45Q4 ....273.50

c Copal #0
Flat Lensboard 45 (001120)
Item # LILB0T45Q4 ....189.95
Compur #1
Flat Lensboard 45 (001123)
Item # LILB1T45Q5 ......189.95
Compur #1
Recessed Lensboard 45 (001125)
Item # LILB1T45Q5 ......273.50

Copal #1
Flat Lensboard 45 (001121)
Item # LILB0T45Q4 ....189.95
Compur #1
Recessed Lensboard 45 (001125)
Item # LILB1T45Q5 ......273.50

Recessed Kardan Lensboard Adapter 23 (001089)
Item # LILB1T45Q3 ......228.50

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

Blank Kardan Lensboard (001080)
With center pilot hole for one's own drilling.
Item # LILBBPK45 ....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 # LILBART23K .......274.50

Recessed Kardan Lensboard Adapter 23 (001092)
Recessed adapter board. Same as above.
Item # LILBART23K .......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 (000606)
Only for Technikardan 23.
Item # L14756SATK ......1,882.95

TK Super Angulon
58mm f/5.6 Prontor 01 (000671)
Item # L15856SATK ......3,327.95

TK Super Angulon
65mm f/5.6 Prontor 01 (000694)
Item # L16556SATK ......3,624.95

TK Super Angulon
90mm f/5.6 Prontor 01 (000797)
Only for Technikardan 45.
Item # L19056ASTK ......4,259.95

TK APO-Symmar
135mm f/5.6 Prontor 01 (000736)
Item # L113556ASTK ..2,656.50

TK APO-Symmar
150mm f/5.6 Prontor 01 (000822)
Item # L115056ASTK ..2,549.95

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 (002682)
For Super Technika 23.
With central shutter on lensboard.
Item # L1MTST23 ..........939.95

Macro Tube 45 (002693)
For Master Technika 45 and Technikardan 23/45. With central shutter on lensboard.
Item # L1MTT45 ............951.95

Macro Lens (002677)
In barrel mount. Reproduction ratio 6:1 to 14:1.
Item # L1284MC ..........716.50

Macro Lens (002633)
In barrel mount. Reproduction ratio 3:1 to 8:1.
Item # L1504MC ..........674.95

80mm f/4 M-Componon Macro Lens (002629)
In barrel mount. Reproduction ratio 2:1 to 4:5:1.
Item # L18056M ..........784.95
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 (002696)
For Master Technika 45 and Technikarden 23/45, with central shutter on lensboard.
Item # LIM TT45Q .......... 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 (without 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 # LILHF H70 ............ 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/filter holder.
Item # LIRR7060 .......... 79.95

70mm Filter Holder (Empty) (002083)
Replacement for lens hood/filter holder.
Item # LIFH70 .......................................................... 69.50

70mm Drop-In Filters (for Lens Hood/Filter Holder)

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95mm Filters (Screw-In)

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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 # LIDPCR135............29.95

17” (430mm) C.R. (002433)
T-Lock and turning nipple.
Item # LIDCR17..............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” (533mm) 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

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 GTI 810/GTI 810 (022477)
Holds GTI 810/GTI 810 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

**Front Accessories, continued**

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**Miscellaneous Filters (Screw-In)**

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<th>MFG #</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP77</td>
<td>022256</td>
<td>77mm Linear Polarizer</td>
<td>421.95</td>
</tr>
<tr>
<td>UP82</td>
<td>022257</td>
<td>82mm</td>
<td>428.50</td>
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<tr>
<td>UP86</td>
<td>022258</td>
<td>86mm</td>
<td>453.50</td>
</tr>
</tbody>
</table>

**Cases**

**Aluminum Case Super Technika 23 (02246)***
Adjustable partitions. Holds the Technika 23 and its basic accessories. 17 x 8 x 14”
(44 x 21 x 35cm).
Item # LICAMT23...........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........507.50

**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 # LICATEGT........764.95

**Molded Attache Case E/GT 45 (022480)***
Impact resistant molded plastic case with foam rubber padding for camera with lens in flat position.
22x17x7” (56x43x19cm).
Item # LICMK45GT ......366.50

**Molded Attache Case G/LT 45/57 (022482)***
Same as above. Holds camera with one lens in flat position.
24 x 19 x 7” (60x47x18cm).
Item # LICMK57GT ......393.95

**Aluminum Case G/LT 45/57 (022449)***
Holds camera with one lens in flat position.
24 x 18 x 7”
(61 x 46.5 x 16.5cm).
Item # LICAG54KTL ......833.95

**Aluminum Case GTI 45 (022484)***
Molded plastic case for complete GTI 4x5” equipment, with Kardan Professional Compendium (001935)
and 3 tele lenses.
Item # LICAG45GTI ......1,256.50

**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 # LICAK810GTL ....796.50

**Aluminum Case GTI 810/GTI 810 (022477)***
Holds GTI 810/GTI 810 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

**Linhof Spirit Level (002599)***
Glass clear plastic body with dual level for horizontal and vertical levelling.
Item # LLSL..................55.95

**Prontor Professional Timer (022432)***
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 (002509)***
For establishing extension differences, checking the reproduction ratio, reading of working aperture, etc.
Item # LIUDFC..............9.95

**Linhof Spirit Level (002599)***
Glass clear plastic body with dual level for horizontal and vertical levelling.
Item # LLSL..................55.95

**Prontor Professional Timer (022432)***
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Adjustable from 2 to 32 seconds. For macro work.
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Item # LICP..................518.50

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Item # LIUDFC..............9.95

1•800•947•6650
THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770
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.

### 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

### S1NAR f1 / f2 4 x 5 SYSTEM

**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)

**MAXIMUM EXTENSION:**
- 19 in. (483cm) with standard bellows and optional extension rail

**MONORAIL LENGTH:**
- 12 in. (30.5cm)

**YAW FREE:**
- Yes

**LEN SB OARD:**
- 5½ x 5½" (139 x 139mm)
- Sinar lensboard or Linhof lensboard adapter

**W EIGHT:**
- f1: 7 lbs. (3.2 kg)
- f2: 8 lbs. (3.6 kg)

Subject to change without notice
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.

**Features**

- Geared fine focus combined with coarse focusing
- Yaw free movements
- Zero detentes on swing, tilt, rise and shift movements
- Fully changeable to smaller formats
- Precision two-point focusing system
- Spring-loaded rise and fall
- Metering Back
- Precision Swiss construction
- Free shipping on Sinar equipment in Continental USA
- Depth-of-field scale helps determine the optimum f-stop

**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**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilts:</td>
<td>Front: 135°; Rear: 135°</td>
</tr>
<tr>
<td>Swings:</td>
<td>Front: 100°; Rear: 120°</td>
</tr>
<tr>
<td>Rise and Fall (combined):</td>
<td>Front: 5 in. (127mm) Rear: 2.3 in. (58.5mm)</td>
</tr>
<tr>
<td>Lateral Shift:</td>
<td>Front: 4.4 in. (111mm) Rear: 7.7 in. (196.5mm)</td>
</tr>
<tr>
<td>Camera Back:</td>
<td>International Standard 8 x 10</td>
</tr>
<tr>
<td>Focusing Screen:</td>
<td>Groundglass screen 8 x 10</td>
</tr>
<tr>
<td>Interchangeable bellows:</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum bellows draw:</td>
<td>2 in (5cm) with standard bellows</td>
</tr>
<tr>
<td>Maximum Extension:</td>
<td>26 in. (66cm) with standard bellows</td>
</tr>
<tr>
<td>Monorail Length:</td>
<td>12 in. (30.5cm)</td>
</tr>
<tr>
<td>Yaw Free Base Tilt:</td>
<td>Yes</td>
</tr>
<tr>
<td>Lensboard:</td>
<td>5¼ x 5¾” (139mm x 139mm) Sinar lensboard or Linhof lensboard adapter</td>
</tr>
<tr>
<td>Weight:</td>
<td>16.75 lbs (7.6 kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
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 that 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 (never-the-less, 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.

**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

**x 4x5 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>Front: 130°; Rear: 130°</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWINGS:</td>
<td>Front: 120°; Rear: 120°</td>
</tr>
<tr>
<td>RISE AND FALL (COMBINED):</td>
<td>Front: 3.15 in. (80mm); Rear: 3.15 in. (80mm)</td>
</tr>
<tr>
<td>LATERAL SHIFT:</td>
<td>Front: 3.1 in. (91mm); Rear: 3.1 in. (91mm)</td>
</tr>
<tr>
<td>CAMERABACK:</td>
<td>International Standard 4 x 5 in.</td>
</tr>
<tr>
<td>FOCUSING SCREEN:</td>
<td>4 x 5 groundglass screen</td>
</tr>
<tr>
<td>INTERCHANGEABLE BELLOWS:</td>
<td>Yes</td>
</tr>
<tr>
<td>MINIMUM BELLOWS DRAW:</td>
<td>1.5 in. (381cm) with standard bellows</td>
</tr>
<tr>
<td>MAXIMUM EXTENSION:</td>
<td>18 in. (45.7 cm) with standard bellows and optional extension rail</td>
</tr>
<tr>
<td>MONORAIL LENGTH:</td>
<td>12 in. (30.5cm)</td>
</tr>
<tr>
<td>YAW FREE:</td>
<td>Yes</td>
</tr>
<tr>
<td>LENSBOARD:</td>
<td>5% x 5% (139mm x 139mm) Snar lensboard or Linhof lensboard adapter</td>
</tr>
<tr>
<td>WEIGHT:</td>
<td>13 lbs. (5.9kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
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 its 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.

**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

**p2 4 x 5 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>Front: 130°; Rear: 130°</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWINGS:</td>
<td>Front: 120°; Rear: 120°</td>
</tr>
<tr>
<td>RISE AND FALL (COMBINED):</td>
<td>Front: 3.1 in. (80mm); Rear: 3.1 in. (80mm)</td>
</tr>
<tr>
<td>LATERAL SHIFT:</td>
<td>Front: 3.6 in. (91mm); Rear: 3.6 in. (91mm)</td>
</tr>
</tbody>
</table>

**CAMERA BACK:**

- International Standard 4 x 5 in.
- 4 x 5 groundglass screen

**MINIMUM BELLOWS DRAW:**

- 1.5 in. (38cm) 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

**LEN SBOARD:**

- 5⅝ x 5⅝” (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 4 x 5 Camera (21-2201) shown with optional Sinaron lens in DB lensboard.
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.

**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

**p2 8x10 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>Camera Back:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 130°; Rear: 130°</td>
<td>International Standard 4 x 5”</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SWINGS:</th>
<th>Focus Screen:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 120°; Rear: 120°</td>
<td>4 x 5 Groundglass Screen</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>RISE AND FALL (COMBINED):</th>
<th>Interchangeable Belts:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 31.5” (80mm); Rear: 31.5” (80mm)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LATERAL SHIFT:</th>
<th>Minimum Belts Settings:</th>
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</thead>
<tbody>
<tr>
<td>Front: 3.6” (91mm); Rear: 3.6” (91mm)</td>
<td>1.5” (381cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Maximum Extension:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>18” (45.7 cm)</td>
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<table>
<thead>
<tr>
<th></th>
<th>Mono Rail Length:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>12” (30.5cm)</td>
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<table>
<thead>
<tr>
<th>YAW-FREE:</th>
<th>Lensboard:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Sinar Lensboard or Linhof Lensboard Adapter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LEN SB0 A R D:</th>
<th>Weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5¼ x 5¼ (139mm x 139mm)</td>
<td>13 lbs. (5.9kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
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.

**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 ±0.03mm 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 (431.11), Carrier Frame 4x5 (433.26), Multi-purpose Bellows 4x5 (454.11), Metering Back e 4x5 (452.36), *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

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.

**Specifications**

<table>
<thead>
<tr>
<th>TILTS:</th>
</tr>
</thead>
<tbody>
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<td>4x5 - Front: 94°; Rear: 94°</td>
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<tr>
<td>8x10 - Front: 94°; Rear: 94°</td>
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<table>
<thead>
<tr>
<th>SWING S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5 - Front: 100°; Rear: 100°</td>
</tr>
<tr>
<td>8x10 - Front: 100°; Rear: 100°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RISE AND FALL (COMBINED):</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5 - Front: 3.1˝ (80mm)</td>
</tr>
<tr>
<td>Rear: 3.1˝ (80mm)</td>
</tr>
<tr>
<td>8x10 - Front: 3.1˝ (80mm)</td>
</tr>
<tr>
<td>Rear: 1.96˝ (50mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LATERAL SHIFT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5 - Front: 3.1˝ (80mm)</td>
</tr>
<tr>
<td>Rear: 3.1˝ (80mm)</td>
</tr>
<tr>
<td>8x10 - Front: 3.1˝ (80mm)</td>
</tr>
<tr>
<td>Rear: 3.5˝ (90mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAMERA BACK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5 - International Standard 4x5</td>
</tr>
<tr>
<td>8x10 - International Standard 8x10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOCUSING SCREEN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5 or 8x10 Groundglass Screen</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IN TER CHANG EABLE BELLOWS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
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</table>

<table>
<thead>
<tr>
<th>MINIMUM BELLOWS DRAW:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5: 40mm; 8x10: 50mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAXIMUM EXTENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5: 450mm; 8x10: 710mm</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>MONORAIL LENGTH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12˝ plus special Sinar Base Plate e2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YAW-FREE BASE TILT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LEN SBO AR D:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5½ x 5½˝ (139mm x 139mm)</td>
</tr>
<tr>
<td>Sinar Lensboard or Linhof Lensboard Adapter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>W EIGHT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5: 16.5 lbs. (7.5kg)</td>
</tr>
<tr>
<td>8x10: 19.4 lbs. (8.8kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
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
- 150 or 210 mm
- Sinaron f5.6 Copal lens
- 6” Extension Rail
- 4x5 Wide Angle
- Bellows
- 2 Bellows Holder
- 4x5 Fresnel
- Filter Rod
- Reducing Bushing (built in to a1)
- f1/f2 Image Case

F1 150mm Image Kit (21-5008)
Item # SIF145150IK ..3,465.00
F1 210mm Image Kit (21-5012)
Item # SIF145210IK ..3,795.00
F2 150mm Image Kit (21-5009)
Item # SIF245150IK ..4,051.00
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

Technical Advice Available
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.

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.

**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

**Item # SIP245EK .................................................................9,916.50**

**p2 8x10 Expert Kit (21-6203)**

Consists of:

- p2 8x10 camera
- 6” extension rail
- 18” extension rail
- Multipurpose standard
- 4x5 square bellows (used for Bellows hood or binocular magnifier)
- 8x10 wide angle bellows

**Item # SIP2810EK .......................................................................13,147.00**

**x 4x5 Expert Kit (21-6232)**

Consists of the same as the p2 4x5 Expert Kit, with a Sinar x camera instead of a p2.

**Item # SIX245EK .................................................................7,709.95**
**Sinar System**

**Electronic Imaging**

### x/d View Cameras

Sinar x/d for Leaf (25-1005)
- Item # SIXDL ............7,822.95

Sinar x/d for the Kodak 465 (25-1006)
- Item # SIXDK ............7,822.95

Sinar x/d for Leaf (25-1007)
- An x/d with an f2 from standard to reduce cost and weight.
- Item # SICDL .............6,604.50

### 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 # SIIKXDL ...........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 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 # SIIKXDDCS465 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 # SIIKXD3SDCS 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 # SIIP2L ........11,018.95

**p2 Digital Package for the Leaf Catchlight (25-1941)**
- Same as the Leaf DCB package, but for the Leaf Catchlight.
- Item # SIIP2LCL ....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 # SIIP2DCS465 ..9,988.95

**p2 Digital Package for the Kodak DCS 465 3-Shot (25-1954)**
- Same as above.
- Item # SIIP23SDCS ..........11,018.95

### 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 ..........................................................46,299.50

Sinar CapCam Digital Package for the Kodak DCS 465 3-Shot (25-1937)
- As above, with an Expolux Tricolor Shutter.
- Item # SIC23SK .......................................................47,239.50
**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 # SISRF145 ............

**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 .............

**Multipurpose Standard 5x7**
- (SC. 437.62; SB. 23-2206)
  - With parallel shifts, swings and tilts. (Replacement for p2 4x5.)
  - Item # SISFP245...........

**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 tilt and with zero settings for 8x10 format. (Replacement for p2-8x10.)
  - Item # SISFP2810...........

**Rear Carrier (Coupling) Frames**

**4x5 Rear Carrier Frame**
- (SC. 433.66; SB. 23-2212)
  - 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.............

**5x7 Rear Carrier Frame**
- (SC. 433.27; SB. 23-2218)
  - 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.............

**8x10 Rear Carrier Frame**
- (SC. 433.58; SB. 23-2219)
  - 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 a 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...........

**Rear Standards**

**Rear Standard f1/2 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...........

**Rear Standard f2 4x5**
- (SB. 23-2213)
  - Same as above, with separate locks for horizontal shift and swing. Replacement f2 4x5.
  - Item # SISRF245...........

**Rear Standard f1/2 5x7**
- (SC. 433.61; SB. 23-2207)
  - Item # SISRP245..........2,948.50

**Rear Standard f1/2 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...........

**Rear Standard (Special Standard Bearer) p2 8x10**
- (SC. 433.92; 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...........

**Rear Standard f1/2 5x7**
- (SC. 433.67; SB. 23-2219)
  - 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 # SISFR257..........2,559.95

**Cross Level**
- (23-4017)
  - For 2 axis levelling. Attaches to any Sinar standards.
  - Item # SISL .............159.95

**Special Front Standard 8x10**
- (SC. 433.27; SB. 23-2019)
  - Longer rise and shift range for 8x10 format. With parallel shift, swing and tilt and with zero settings for 8x10 format. (Replacement for p2-8x10.)
  - Item # SISFP2810...........

**Special Front Standard p2**
- 8x10 (SC. 431.52; SB. 23-2206)
  - Long 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 # SISFP2810...........

**2-axis Leveling Assembly**
- (23-4017)
  - Attaches the 8x10 bellows and the film holder to the standard. The 8x10 metering back is required to accept the groundglass and film holder.
  - Item # SICFR810...........

**Body Accessories**

**Rear Carrier (Coupling) Frames**

**4x5 Rear Carrier Frame**
- (SC. 433.66; SB. 23-2212)
  - 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...........

**5x7 Rear Carrier Frame**
- (SC. 433.27; SB. 23-2218)
  - 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...........

**8x10 Rear Carrier Frame**
- (SC. 433.58; SB. 23-2219)
  - 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...........
### Frames & Plate Holders

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIFCS45</td>
<td>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 ground glass 23-4007 (536.66). Replacement F-1 4x5.</td>
</tr>
<tr>
<td>SIMF45</td>
<td>4x5 Holder Frame II MB (SB. 23-2024) Replacement part for 4x5 metering back.</td>
</tr>
<tr>
<td>SIMBE45</td>
<td>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 (452.96) and 4x5 ground glass 23-4007 (536.66). (Replacement F2 and P2 4x5).</td>
</tr>
<tr>
<td>SIFCSMB45</td>
<td>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.</td>
</tr>
<tr>
<td>SIMHFM45</td>
<td>5x7 Metering Back (SC. 462.17; SB. 22-2115) Same as 23-1022 metering back 4x5, but for 5x7 format. Includes 5x7 ground glass 23-4010 (536.37).</td>
</tr>
<tr>
<td>SIMBE57</td>
<td>5x7 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 ground glass 23-4029 (536.58). Replacement on all current 8x10 cameras.</td>
</tr>
<tr>
<td>SIMITMB</td>
<td>8x10 Metering Back (SC. 462.18; SB. 23-2003) Same as 8x10 metering Back (23-1022) but for 8x10 format.</td>
</tr>
<tr>
<td>SIMB810</td>
<td>8x10 Metering Changing Set (23-1903) Converts 8x10 p2/c2 into a 4x5 camera. Consists of standard bellows 4x5 23-3004 (454.11), metering back 4x5 22-1022 (452.16), rear carrier frame 4x5 23-2017 (433.26).</td>
</tr>
<tr>
<td>SIFCS545E</td>
<td>4x5 Format Changing Set e (SC. 497.58; SB. 23-1902) Converts 4x5 or 5x7 p2/c2 into a 4x5 camera. Consists of standard bellows 4x5 23-3004 (454.11), metering back 4x5 22-1022 (452.16), rear carrier frame 5x7 23-2017 (433.26).</td>
</tr>
<tr>
<td>SIFCSMB57</td>
<td>5x7 Format Changing Set e (SC. 497.58; SB. 23-1902) Converts 5x7 or 8x10 p2/c2 into a 5x7 camera. Consists of standard bellows 5x7 23-3004 (454.11), metering back 5x7 23-2017 (433.26).</td>
</tr>
<tr>
<td>SIFCSMB810</td>
<td>8x10 Format Changing Set e (SC. 497.58; SB. 23-1902) Converts 4x5 or 5x7 p2/c2 into an 8x10 camera. Consists of standard bellows 8x10 23-3008 (452.58), metering back 8x10 23-1916 (462.58), rear carrier frame 8x10 23-1919 (433.58).</td>
</tr>
</tbody>
</table>

### Format Changing Sets

- **4x5 Format Changing Set**
  - Item # SIFCS245
  - 5x7 Format Changing Set
  - Item # SIFCS254
  - 5x7 Format Changing Set e

- **5x7 Format Changing Set**
  - Item # SIFCS254
  - 5x7 Format Changing Set e

- **8x10 Format Changing Set**
  - Item # SIFCS264

### 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 be also be used for 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.
**SINAR SYSTEM**

**VIEW CAMERAS**

**SINAR BELLOWS**

<table>
<thead>
<tr>
<th>Size</th>
<th>Type</th>
<th>Product# Code</th>
<th>Sinar Ext.</th>
<th>Max. Lenses</th>
<th>Use with</th>
<th>Comments</th>
<th>Item #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4x5</td>
<td>Square</td>
<td>23-3004</td>
<td>454.11</td>
<td>19° (45cm)</td>
<td>135mm and up</td>
<td>Standard or multipurpose bell</td>
<td>SIBS45</td>
<td>$259.00</td>
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<tr>
<td>4x5</td>
<td>Wide Angle</td>
<td>23-3007</td>
<td>455.36</td>
<td>—</td>
<td>75-135mm</td>
<td>Bag Bellows</td>
<td>SIBWA 45</td>
<td>$259.00</td>
</tr>
<tr>
<td>4x5</td>
<td>Extra Wide</td>
<td>23-3014</td>
<td>455.46</td>
<td>—</td>
<td>45-65mm</td>
<td>For 65mm and shorter lenses</td>
<td>SIBEWA45</td>
<td>$467.00</td>
</tr>
<tr>
<td>5x7</td>
<td>Tapered</td>
<td>23-3001</td>
<td>452.17</td>
<td>25° (65cm)</td>
<td>165mm and up</td>
<td>5x7 to 4x5</td>
<td>SIBT57</td>
<td>$479.95</td>
</tr>
<tr>
<td>5x7</td>
<td>Wide Angle</td>
<td>23-3005</td>
<td>455.27</td>
<td>—</td>
<td>90-165mm</td>
<td>5x7 to 4x5</td>
<td>SIBWA A57</td>
<td>$434.95</td>
</tr>
<tr>
<td>8x10</td>
<td>Tapered MB</td>
<td>23-3008</td>
<td>452.58</td>
<td>23° (58cm)</td>
<td>8x10MB to 4x5</td>
<td>SIBS810</td>
<td>$779.00</td>
<td></td>
</tr>
<tr>
<td>8x10</td>
<td>Special</td>
<td>23-3010</td>
<td>453.358</td>
<td>50°</td>
<td>8x10MB to 5x7 intermediate</td>
<td>SIBS810</td>
<td>$1594.95</td>
<td></td>
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<tr>
<td>8x10</td>
<td>Wide Angle</td>
<td>23-3011</td>
<td>455.58</td>
<td>—</td>
<td>120-240mm</td>
<td>8x10MB to 4x5</td>
<td>SIBWAM 810</td>
<td>$865.00</td>
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</tbody>
</table>

**Camera Supports**

**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

**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.42-1003)
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. 23-1210)
Item # SIER18B .................................................315.00

**36” (90cm) Base Rail** (SC. 425.21; SB. 23-1210)
Item # SIBR36B .................................................698.95

**Rail Cap** (SC. 426.21; SB. 23-1204)
Prevents unlocked standards from sliding off the rail. (Replacement.)
Item # SIRC .................................................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 # SIRC5 .................................................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 # SIRB .................................................12.95

**Groundglass**

4x5 Groundglass (SC. 536.66; SB. 23-4009)
With 1cm grid and calibrated lines for asymmetric movements. (Replacement for 4x5 cameras.)
Item # SIGG45 .................................................53.95

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. 536.68; 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 # SIGGM B810 ................................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

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**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, p cameras on pan tilt head 23-6010 (516.41).
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

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**VIEWING ACCESSORIES**

**Groundglass**

4x5 Groundglass (SC. 536.66; SB. 23-4009)
With 1cm grid and calibrated lines for asymmetric movements. (Replacement for 4x5 cameras.)
Item # SIGG45 .................................................53.95

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. 536.68; 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 # SIGGM B810 ................................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

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**SINAR**

**SYSTEM**

The Professional's Source
(212) 444-6630 • FAX: (212) 239-7770
**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. 23-4012)
  Mounted in holder.
  Item # SIFM 45 .................166.00

- **4x5 Fresnel Lens Only**
  (SC. 535.28; 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. 23-4028)
  Fits 8x10 camera M B backs.
  Item # SIFMB810 ............239.95

**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 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 Lighthoods and Accessories). Requires Lighthood 23-4030 (531.51).
  Item # SIMB ...................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 # SIMLH .................193.00

- **Corrective Loupe**
  23-4023 (531.12)01
  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 # SIM 4X ................114.95

- **Zoom Multiformat Rolfilm Back II**
  (23-7078)
  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 # SIFBZ2M ................2,620.00

- **4x10 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 # SIFH810 ...............324.95

- **6x9 Adhesive Sheet Film Holder**
  (23-7067)
  Same as above for 5x7 sheet film.
  Item # SIFHA ................234.95

**BACK ACCESSORIES**

- **6x9 Rollfilm Back**
  (23-7078) (567.46)
  For 120 and 220 film, 2 1/4 x 3 1/4" (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**
  (23-7078) (567.54)
  For 120 and 220 film, 2 1/4 x 2 1/2" (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) (567.58)
  Separate cartridge for preloadimg. (Replacement for rollfilm backs.)
  Item # SIFC ...................74.95

- **4 Film Cartridge Package**
  (23-7082) (567.52)
  4 cartridges (as above) in box.
  Item # SIFCS ................289.95

- **Vario Mask**
  (23-7084) (534.12)
  Replacement for zoom multiformat rolfilm back.
  Item # SIMV ..................126.95

- **Viewing Mask Set**
  (23-4016)
  For rollfilm backs.
  Item # SIMVS ................39.95
Reducing Backs

Lenses must be mounted in the DB mount. For existing shutter lenses, DB conversion kit can be purchased separately.

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).

Item # SIB1 ................................................................................ 1045.00

8x10 MB to 4x5 Reducing Adapter (23-1517;555.58) 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

Bayonet Piece (22-2004) (521.91) Attaches the automatic cable to the camera back. (Replacement.)

Item # SIBPAAS ..................................................49.50

Synch Lead Adapter (22-3006) (522.11.05) Coiled adapter connects flash cables to Digital or Auto Aperture Shutter. (Replacement.)

Item # SISLAAS ...............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

Film Plane Metering

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 # SILM HM .....................87.00

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), sync lead adapter 22-3005 (522.11.005) and 4x4" (100mm) filter holder 58-3000. Item # SIAAS .............2,399.00

Automatic Adapter (22-2008) (462.58) For use of auto aperture shutter on 8x10 back. Permits use of Lisco holders with round corners.

Item # SIAAAAS .................35.95

Bayonet Piece (22-2004) (521.91) Attaches the automatic cable to the camera back. (Replacement.)

Item # SIBPAAS ..................................................49.50

Synch Lead Adapter (22-3006) (522.11.05) Coiled adapter connects flash cables to Digital or Auto Aperture Shutters. (Replacement.)

Item # SISLAAS ...............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
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) (464.11)
   Item # SIBS45.................259.00
4x5 Wide Angle Bellows (23-3007) (465.56)
   Item # SIBWA45............259.00
4x5 Extra Wide Bellows (23-3014) (465.48)
   Item # SIBEWA45.............476.00
Filter Rod 4½” (11cm) (23-1012) (472.61)
   Item # SIFR4.25..............21.95
Filter Rod 6½” (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 (23-1019)
   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 # SJR.....................135.00

Bellows Hood Mask I (23-4015)
   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.
   Item # SIMFS.................146.95

Lens Boards

Blank Lensboard (24-1001) (441.11)
   5½ x 5½” (139 mm x 139 mm) undrilled board.
   Item # SILBB..................64.00

#0 Drilled Lensboard
   (24-1048) (441.21.501)
   5½ x 5½” (139 mm x 139 mm)
   board, drilled for #0 shutter.
   Item # SILB0..................86.00

#1 Drilled Lensboard
   (24-1049) (441.21.502)
   5½ x 5½” (139 mm x 139 mm)
   board, drilled for #1 shutter.
   Item # SILB1..................86.00

#3 Drilled Lensboard
   (24-1050) (441.21.517)
   5½ x 5½” (139 mm x 139 mm)
   board, drilled for #3 shutter.
   Item # SILB3..................86.00

#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 # SIHLB...............609.95

Lensboard Holder (24-1002)
   Prevents released lenses from falling off the standard.
   Item # SILBH................22.95

We Exhibit at National and Regional Shows/Conventions
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**DB Conversion kits for Nikon**

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**CASES**

- **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
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

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>Angle of Coverage</th>
<th>Copal Shutter</th>
<th>Filter Thread</th>
<th>Image Circle at f/22</th>
<th>Shifts in mm at infinity and f/22</th>
<th>4x5</th>
<th>5x7</th>
<th>8x10</th>
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<tbody>
<tr>
<td><strong>sinaron-we</strong></td>
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<tr>
<td>45mm f/4.5</td>
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<td>58</td>
<td>131mm</td>
<td>10 12</td>
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<td>67</td>
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<td>0</td>
<td>58</td>
<td>170mm</td>
<td>10 12</td>
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<tr>
<td>75mm f/4.5</td>
<td>105°</td>
<td>0</td>
<td>67</td>
<td>195mm</td>
<td>25 29</td>
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<td>1</td>
<td>82</td>
<td>236mm</td>
<td>48 54</td>
<td>16 20</td>
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<td>75mm f/6.8</td>
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<td>58</td>
<td>187mm</td>
<td>20 24</td>
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<tr>
<td>90mm f/6.8</td>
<td>102°</td>
<td>0</td>
<td>67</td>
<td>221mm</td>
<td>40 45</td>
<td>7   9</td>
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<tr>
<td>115mm f/6.8</td>
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<td>82</td>
<td>291mm</td>
<td>77 85</td>
<td>47 57</td>
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<tr>
<td>155mm f/6.8</td>
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<td>105</td>
<td>382mm</td>
<td>125 133</td>
<td>95 110</td>
<td>42 50</td>
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<tr>
<td><strong>Distortion at infinity minimized to below 0.5%</strong></td>
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<td></td>
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</tr>
</tbody>
</table>

| **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| -   |
| 480mm f/9   | 56°                | 3             | 112           | 480mm              | 175 184                          | 147 163| 97 109| -   |
| **Angle of coverage lets you take full advantage of camera movements without sacrificing quality.** | |               |               |                     |                                   |     |     |     |

| **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/5.6 | 75°                | 1             | 72            | 316mm              | 91 98                            | 60 72| 2   3 | -   |
| 240mm f/5.6 | 75°                | 3             | 86            | 372mm              | 120 128                          | 90 104| 36 43| -   |
| 300mm f/5.6 | 75°                | 3             | 100           | 448mm              | 159 168                          | 130 146| 79 91| -   |
| 360mm f/6.8 | 68°                | 3             | 112           | 468mm              | 169 178                          | 140 157| 90 102| -   |
| **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.** | |               |               |                     |                                   |     |     |     |

| **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 |
| 300mm f/5.6 | 50°                | 3             | 77            | 360mm              | 115 123                          | 85 99| 30 36| 1:3 |
| **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   | 48°                | 3             | 67            | 396mm              | 132 141                          | 104 118| 50 59| -   |
## Sinar Lenses

**LENS TYPE**

<table>
<thead>
<tr>
<th>Lens</th>
<th>Product#</th>
<th>B&amp;H Item#</th>
<th>Price</th>
</tr>
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<tbody>
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<td>45mm f/4.5</td>
<td>24-7208</td>
<td>6454555WE</td>
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<td>75mm f/4.5</td>
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<td>5615056SSLB</td>
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<td>*480mm f/9</td>
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<td>*480mm f/9</td>
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<td>5648056AS</td>
<td>2,608.50</td>
</tr>
</tbody>
</table>

*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.
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.

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>4x5 Equivalent</th>
<th>Aperture Range</th>
<th>Angle of Coverage</th>
<th>Image Circle at Infinity</th>
<th>Shifts at Infinity</th>
<th>Tricolor Product #</th>
<th>B&amp;H Item #</th>
<th>B&amp;H Price</th>
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<tbody>
<tr>
<td>40mm</td>
<td>150mm</td>
<td>4.0-16</td>
<td>62°</td>
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<td>4mm</td>
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<td>83°</td>
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<td>64°</td>
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<td>300mm</td>
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<td>58°</td>
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<td>28mm</td>
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<td>105mm</td>
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<td>54°</td>
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<td>58mm</td>
<td>25-3164</td>
<td>SI13556SDDBT</td>
<td>3,299.95</td>
</tr>
</tbody>
</table>

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 # SIPCV** ....................59.95
**Video Signal Cable** (25-1966)
**Item # SISCV** ....................59.95
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 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 3x5” 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 Electronic Shutter System

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 Components

Monitor Holder (22-4033)
Attaches the Expolux Monitor to your Sinar camera.

Item # SIEMH ............................................................224.95

Monitor-Shutter Cable (22-4028)
Replacement.

Item # SISCEM ..............107.95

Monitor-Power Supply Cable (22-4027)
Replacement.

Item # SIPSCCM ..............144.95

Expolux Shutter Release Cable (22-4021)

Item # SISRCE ................169.95

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 H assemblad finder.

Item # SILDA ............................................................4,654.95

x/Leaf Tricolor Package (25-1922)

Item # SIKXDL .................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 # SIVLDA .................974.95

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
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.

**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, straightforward design and reasonable cost
- 120mm geared rise
- Lightweight, can be used easily in the field

### 45C SPECIFICATIONS

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<th>TILTS</th>
<th>SWINGS</th>
<th>RISE &amp; FALL</th>
<th>LATERAL SHIFT</th>
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<td>Front 360°; Rear 360°</td>
<td>Front 4.7” (120mm); Rear 4.7” (120mm)</td>
<td>Front 3.5” (90mm); Rear 3.5” (90mm)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CAMERA BACK:</th>
<th>FOCUSING SCREEN:</th>
<th>MINIMUM EXTENSION:</th>
<th>MAXIMUM EXTENSION:</th>
<th>MONORAIL LENGTH:</th>
<th>WEIGHT:</th>
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<tbody>
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<td>International Standard 4x5 Revolving Back</td>
<td>Etched 4x5 Grid</td>
<td>3.2” (82mm) with Standard Board</td>
<td>17.7” (449mm)</td>
<td>17.7” (450mm)</td>
<td>9 lbs. (4kg)</td>
</tr>
</tbody>
</table>

**LEN SBO ARD:**

Toyo 158x158mm Flat or Recessed Board, or misc Lensboard Adapters

**FO LDED DIMEN SION S:**

19 x 14 x 11” (474 x 352 x 274mm) LHW

All items are complete with all accessories as supplied by the manufacturer.
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 2¾ 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.

FEATURES

- Heavy duty modular system camera with precise geared control
- Convertible to 5x7 and 8x10 by adding bellows, rear frame and back
- Convertible to GX Yaw-Free operation
- Toyo non-vignetting 360° revolving back with Easyload Bail Arm
- Independent locks on all movements
- Extreme 145mm geared rise and 70mm geared shift front and rear
- 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

Subject to change without notice

45 GII SPECIFICATIONS

<table>
<thead>
<tr>
<th>TILTS</th>
<th>SWINGS</th>
<th>RISE &amp; FALL</th>
<th>LATERAL SHIFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front 80°, Rear 80°</td>
<td>Front 60°, Rear 60°</td>
<td>Front 5.7” (145mm), Rear 5.7” (145mm)</td>
<td>Front 2.8”(70mm), Rear 2.8” (70mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAMERA BACK</th>
<th>FOCUSING SCREEN</th>
<th>INTERCHANGEABLE BELLOW S</th>
<th>MINIMUM EXTENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Standard 4x5 Revolving Back</td>
<td>4x5 Fresnel Lens</td>
<td>Yes</td>
<td>3.9” (99mm) with Standard Board2” (50mm) with Recessed Board</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAXIMUM EXTENSION</th>
<th>MONORAIL LENGTH</th>
<th>YAW-FREE</th>
<th>LENSBOARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>19” (485mm)</td>
<td>9.8 x 9.8” (250x250mm)</td>
<td>Convertible at Factory</td>
<td>Toyo 158x158mm Flat or Recessed Board, or misc Lensboard Adapters</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FO LDED</th>
<th>DIM EN SIO N S</th>
<th>W EIG HT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 x 13 x 10” (291 x 330 x 264mm)</td>
<td>12.1 lbs (5.5kg)</td>
<td></td>
</tr>
</tbody>
</table>

Toyo 45 GII Pro Camera (180-220) shown with revolving back
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 ½ stop calibrated depth-of-field calculator, GX Zero midpoint calibrated rack and pinion rise and large control knobs.
TOYO

VX-125 4x5 STUDIO/FIELD SYSTEM

The Toyo VX125 cameras are the most compact and lightweight 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.

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

VX-125 4x5 SPECIFICATIONS

<table>
<thead>
<tr>
<th>TILTS:</th>
<th>CAMERA BACK:</th>
<th>FOCUSING SCREEN:</th>
<th>LATERAL SHIFT:</th>
<th>MINIMUM BELLOWS DRAW:</th>
<th>MAXIMUM EXTENSION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Base Tilt: VX-125/VX125b: 40°; VX-125R: 50° Rear Base Tilt: 40°</td>
<td>International Standard 4x5 360° Revolving Back</td>
<td>Fresnel and Acid Etched Groundglass</td>
<td>Front 2.75° (70mm); Rear 2.75° (70mm)</td>
<td>2.6” (67mm) with Standard Board; 0.9” (22mm) with Recessed Board</td>
<td>12.8” (325mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>國內專利</th>
<th>國際專利</th>
</tr>
</thead>
</table>

MINIMUM BELLOWS DRAW:
- 2.6” (67mm) with Standard Board;
- 0.9” (22mm) with Recessed Board

MAXIMUM EXTENSION:
- VX125/VX125b: Expandable from 5-9.9” (125-250mm)
- VX125R: 5” (125mm)

YAW-FREE BASE TILT:
- Yes

LEN SBO ARD:
- Toyo 158x158mm Flat or Recessed Board or misc Lensboard Adapters

FO LED D DIM ENS I ON S:
- 12 x 9 x 5” (304 x 228 x 127mm)

WE IG HT:
- VX125/VX125b: 5.5 lbs. (2.5kg)
- VX125R: 5.9 lbs. (2.7kg)

Subject to change without notice
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.

**810 GII Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tilts</strong></td>
<td>Front 80°, Rear 100°</td>
</tr>
<tr>
<td><strong>Swings</strong></td>
<td>Front 60°, Rear 60°</td>
</tr>
<tr>
<td><strong>Rise &amp; Fall</strong></td>
<td>Front 5.7” (145mm), Rear 6.7” (170mm)</td>
</tr>
<tr>
<td><strong>Lateral Shift</strong></td>
<td>Front 2.8” (70mm), Rear 4.7” (120mm)</td>
</tr>
<tr>
<td><strong>Camera Back</strong></td>
<td>International Standard Vertical/Horizontal 8x10 Back</td>
</tr>
<tr>
<td><strong>Focusing Screen</strong></td>
<td>Grid Groundglass 8x10</td>
</tr>
<tr>
<td><strong>Interchangeable Bellows</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Minimum Extension</strong></td>
<td>3.3” (85mm) with Standard Board</td>
</tr>
<tr>
<td></td>
<td>1.8” (45mm) with Recessed Board</td>
</tr>
<tr>
<td><strong>Maximum Extension</strong></td>
<td>19.7” (500mm)</td>
</tr>
<tr>
<td><strong>Monorail Length</strong></td>
<td>9.8x9.8” (250x250mm)</td>
</tr>
<tr>
<td><strong>Yaw - Free</strong></td>
<td>Convertible at Factory</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>19.6 lbs. (8.9kg)</td>
</tr>
</tbody>
</table>

**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

**Note:** Subject to change without notice.
**BODY ACCESSORIES**

### Front Standards

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOSF45G</td>
<td>Front Standard G (8303)</td>
<td>$1,124.95</td>
</tr>
<tr>
<td>TOSF45GX</td>
<td>Front Standard GX (8303)</td>
<td>$1,349.95</td>
</tr>
</tbody>
</table>

### Rear Standards

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOSR45B</td>
<td>Rear Standard 45G (8303)</td>
<td>$1,124.95</td>
</tr>
<tr>
<td>TOSR45GX</td>
<td>Rear Standard 45GX (10804)</td>
<td>$1,462.95</td>
</tr>
<tr>
<td>TOSR57B</td>
<td>Rear Standard 57GII (8404)</td>
<td>$1,822.95</td>
</tr>
<tr>
<td>TOSR810B</td>
<td>Rear Standard 810GII (8504)</td>
<td>$2,879.95</td>
</tr>
</tbody>
</table>

### Intermediate Standard

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOSIC</td>
<td>Intermediate Standard 4x5 (8081)</td>
<td>$458.50</td>
</tr>
</tbody>
</table>

### Bellows

#### 4x5 BELLOWS

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOB545Q</td>
<td>Standard Bellows 4x5 (10102)</td>
<td>$319.95</td>
</tr>
<tr>
<td>TOBWA45</td>
<td>Wide Angle Bellows 4x5 (11421)</td>
<td>$503.95</td>
</tr>
<tr>
<td>TOBL45</td>
<td>Long Bellows 4x5 (10122)</td>
<td>$369.00</td>
</tr>
</tbody>
</table>

#### 5x7 BELLOWS

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOB557</td>
<td>Standard Bellows 5x7 (8102)</td>
<td>$319.95</td>
</tr>
<tr>
<td>TOBWA57</td>
<td>Wide Angle Bellows 5x7 (11621)</td>
<td>$503.95</td>
</tr>
<tr>
<td>TOBL57</td>
<td>Long Bellows 5x7 (8122)</td>
<td>$434.95</td>
</tr>
</tbody>
</table>

#### 8x10 BELLOWS

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOB5810</td>
<td>Standard Bellows 8x10 (8122)</td>
<td>$562.50</td>
</tr>
<tr>
<td>TOBWA810</td>
<td>Wide Angle Bellows 8x10 (8221)</td>
<td>$749.00</td>
</tr>
<tr>
<td>TOBL810</td>
<td>Long Bellows 8x10 (8222)</td>
<td>$989.95</td>
</tr>
<tr>
<td>TOBL810</td>
<td>Long Bellows 8x10 (8222)</td>
<td>$989.95</td>
</tr>
</tbody>
</table>

### Accessories

- **Front Standards 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 Standards 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.
  - Item # TOSF45GX.............. $1,349.95

- **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.
  - Item # TOSR810B.............. $2,879.95

- **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
Toyo Tripod Mounting Blocks feature quick clamp fittings for easy removal and attachment of cameras to tripod.

70mm Tripod Mounting Block (180-724; 8206)
Quick lock clamping 2.8" (70mm) long, with ¾" 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 ¾" and ⅜" socket. Fits 23G, 45C, D, E, F, G, GB, GII and GX. (Replacement.)
Item # TOTMB54 ........... 118.50

Tripod Block 45D (180-722; 90008)
With ¾" and ⅜" socket. Fits 45D, E and F. (Replacement for 45D.)
Item # TOTMB45D ........... 78.95

Compact Block VX125 (180-723; 12403)
With ¾" 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 monorails 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

54mm GB Extension Rail (180-745; 8312)
Same as the above extension rail, in black finish, with 500mm extension.
Item # TOMRE500GB ........... 293.50

150mm GB Extension Rail (180-746; 8313)
Black finish. With one male end for extension to G or GB basic rail; one male end to accept additional extension rails, as needed. 150mm extension.
Item # TOMRE150GB ........... 183.95

125mm Basic Rail VX125 (180-750; 12206)
Item # TOMRBVX125 ........... 119.95

Telescoping Rail VX125 125-250mm Extension (180-751; 12206)
Item # TOMRTVX125 ........... 269.95

Camera Backs

Camera backs are standard with all cameras. However, when format conversion or format reducing is desired, a camera back must be purchased.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Format cm</th>
<th>Back Design</th>
<th>Groundglass Grid with 6x7 and 6x9 cm</th>
<th>Fresnel Lens</th>
<th>Easy Load Bail Arm</th>
<th>Fit Cameras and Reducing Adapters</th>
<th>Item #</th>
<th>B&amp;H Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>180-820</td>
<td>4x5</td>
<td>vertical/ horizontal reversible</td>
<td>printed</td>
<td>optional</td>
<td>yes</td>
<td>all 4x5 Toyo</td>
<td>TOBVH45</td>
<td>366.50</td>
</tr>
<tr>
<td>180-805</td>
<td>4x5</td>
<td>360° non-vignetting revolving back design</td>
<td>acid etched</td>
<td>included</td>
<td>yes</td>
<td>all 4x5 Toyo</td>
<td>TOBR45</td>
<td>503.95</td>
</tr>
<tr>
<td>180-821</td>
<td>5x7</td>
<td>vertical/ horizontal reversible</td>
<td>acid etched</td>
<td>included</td>
<td>dual damper</td>
<td>57G, GB, GII</td>
<td>TOBS5</td>
<td>569.00</td>
</tr>
<tr>
<td>180-824</td>
<td>8x10</td>
<td>vertical/ horizontal reversible</td>
<td>acid etched</td>
<td>-</td>
<td>dual damper</td>
<td>810G, GB, GII, M, MII</td>
<td>TOBB10</td>
<td>944.95</td>
</tr>
</tbody>
</table>
### BODY ACCESSORIES, continued

#### Format Conversion Accessories

**TO CONVERT TO LARGER FORMAT, ADD REAR FRAME, BELLOWS AND BACK**

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>From Format</th>
<th>To Format</th>
<th>Add Rear Frame</th>
<th>Add Std. Bellows</th>
<th>Add Groundglass Back</th>
<th>Add Extension Rail for</th>
</tr>
</thead>
<tbody>
<tr>
<td>23G</td>
<td>6x9cm</td>
<td>4x5&quot;</td>
<td>180-858</td>
<td>180-690</td>
<td>180-805</td>
<td>+250mm</td>
</tr>
<tr>
<td>C,FG,GB,GX</td>
<td>4x5&quot;</td>
<td>5x7&quot;</td>
<td>180-859</td>
<td>180-705</td>
<td>180-821</td>
<td>+500mm</td>
</tr>
<tr>
<td>C,FG,GB,GX</td>
<td>4x5&quot;</td>
<td>8x10&quot;</td>
<td>180-860</td>
<td>180-708</td>
<td>180-824</td>
<td>+500mm</td>
</tr>
<tr>
<td>G,GB</td>
<td>5x7&quot;</td>
<td>10x10&quot;</td>
<td>180-860</td>
<td>180-708</td>
<td>180-824</td>
<td></td>
</tr>
</tbody>
</table>

**TO CONVERT TO SMALLER FORMAT AND GET FULL MOVEMENTS**

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>From Format</th>
<th>To Format</th>
<th>Add Rear Frame</th>
<th>Add Std. Bellows</th>
<th>Add Groundglass Back</th>
<th>Use Existing Rail</th>
</tr>
</thead>
<tbody>
<tr>
<td>5x7 G,GB</td>
<td>5x7</td>
<td>4x5</td>
<td>180-858</td>
<td>180-690</td>
<td>180-805</td>
<td>✓</td>
</tr>
<tr>
<td>8x10 G,GB,GX</td>
<td>8x10</td>
<td>5x7</td>
<td>180-859</td>
<td>180-705</td>
<td>180-821</td>
<td>✓</td>
</tr>
<tr>
<td>8x10 G,GB,GX</td>
<td>8x10</td>
<td>4x5</td>
<td>180-858</td>
<td>180-690</td>
<td>180-805</td>
<td>✓</td>
</tr>
</tbody>
</table>

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

#### 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**
  - *Offers a brighter viewing area for judging camera movements and focusing. It can easily be snapped into place over the groundglass.*

  - **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 4x5** *(180-801)*
    - 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
**Focusing Hoods**

Focusing hoods are shaped like a chimney, blocking out light for focusing. They are built with a 1.5x magnification loupe.

1. **1.5x Monocular Hood 6x9**
   - Fits quick sliding adapters.
   - Item # **TOMH69**............176.50

2. **1.5x Monocular Hood 4x5**
   - Flexible swing-away frame for critical focusing.
   - Item # **TOMH45**............209.95

**Magnifier and Focusing Cloth**

3. **3.6x Groundglass Focusing Magnifier**
   - 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

4. **Professional Focusing Cloth**
   - 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

**Reducing Backs**

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>From Format</th>
<th>To Format</th>
<th>Reducing Adapter</th>
<th>Add Ground-glass Back</th>
</tr>
</thead>
<tbody>
<tr>
<td>810 G, GB, GXM</td>
<td>8x10˝</td>
<td>4x5˝</td>
<td>180-825</td>
<td>180-805</td>
</tr>
<tr>
<td>810 G, GB, GXM</td>
<td>8x10˝</td>
<td>5x7˝</td>
<td>180-826</td>
<td>180-821</td>
</tr>
<tr>
<td>57G, GB</td>
<td>5x7˝</td>
<td>4x5˝</td>
<td>180-823</td>
<td>180-805</td>
</tr>
</tbody>
</table>

For format conversion, see previous page.

**Miscellaneous Back Accessories**

5. **4˝ Extension Back 45A**
   - To get more movements with long focal lenses. Fits 45A, AR and All.
   - Item # **TOEB45A**..........................503.95

6. **Protective Cover for 8x10 Back**
   - (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.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOFB67120SA</td>
<td>6x7 Rollfilm Holder (180-727; 8032) For 2x3. Fits 23G or quick sliding carriage.</td>
<td>499.95</td>
</tr>
<tr>
<td>TOFB69120SA</td>
<td>6x9 Rollfilm Holder (180-728; 8034) For 2x3. Fits 23G or quick sliding carriage.</td>
<td>499.95</td>
</tr>
<tr>
<td>TOFB6712045</td>
<td>6x7 Rollfilm Holder (180-725; 8031) For 4x5.</td>
<td>599.00</td>
</tr>
<tr>
<td>TOFB6912045</td>
<td>6x9 Rollfilm Holder (180-726; 8033) For 4x5.</td>
<td>599.00</td>
</tr>
</tbody>
</table>

### CUT FILM HOLDERS

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOFH45</td>
<td>4x5 Cut Film Holder Twin Pack (180-903; 10141)</td>
<td>69.95</td>
</tr>
<tr>
<td>TOFH81</td>
<td>8x10 Cut Film Holder (180-908; 1841)</td>
<td>119.95</td>
</tr>
<tr>
<td>TODSFH45</td>
<td>4x5 Darkslide (180-910) (Replacement for 4x5 Cut Film Holder.)</td>
<td>11.95</td>
</tr>
<tr>
<td>TODSFH81</td>
<td>8x10 Darkslide (180-911) (Replacement for 8x10 Cut Film Holder.)</td>
<td>22.95</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOSFBAU</td>
<td>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.</td>
<td>652.50</td>
</tr>
<tr>
<td>TOSAKDCS465</td>
<td>Sliding Adapter for Kodak DCS465 (180-832) Requires Kodak shutter adapter.</td>
<td>1,444.95</td>
</tr>
</tbody>
</table>

### 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, All 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 (180-623; 8063) With gel filter slot. Fits all cameras, except 45A, All 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, All and 23G. Item # TOCHV ..........239.95
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 (180-630; 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 #TOLBAVF ....... 162.50

Toyo 110mm to Toyo 158mm Wide Angle Adapter Board (180-622; 1057)
Fits 45A, AR, AII and 23G mounted lenses onto wide angle adapter board.
Item #TOLBAFWRV .... 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 #TOLBALVRV .... 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

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 (180-600)
Item #TOLB1V .......... 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 (180-622)
For wide angle lenses.
Item #TOLB0V .......... 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; 4541)
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 SPECIFICATIONS

<table>
<thead>
<tr>
<th>FITS CAMERAS</th>
<th>COMPARTMENTS</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
<th>PRODUCT #</th>
<th>ITEM #</th>
<th>B&amp;H PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Compact Case</td>
<td>45A, 45AR, 45AII</td>
<td>2 Sides for Accessories</td>
<td>18 x 7 x 10.75˝ (45.7 x 17.7 x 2.73 cm)</td>
<td>7 lbs (3.2 kg)</td>
<td>180-887</td>
<td>TOCCA45F</td>
</tr>
<tr>
<td>Aluminum Carry Case</td>
<td>4x5 C, D, E, F, G, GB, GII</td>
<td>2 Sides for Accessories</td>
<td>22.5 x 12 x 16.5˝ (57.2 x 30.4 x 41.9 cm)</td>
<td>16 lbs (7.3 kg)</td>
<td>180-905</td>
<td>TOCCA45C</td>
</tr>
<tr>
<td>Aluminum Carry Case</td>
<td>45GX</td>
<td>1 Side for Accessories</td>
<td>20.5 x 12 x 19.5˝ (52 x 30.4 x 49.9 cm)</td>
<td>16 lbs (7.3 kg)</td>
<td>180-886</td>
<td>TOCCA45GX</td>
</tr>
<tr>
<td>Aluminum Carry Case</td>
<td>810M, MII</td>
<td>Attache Style</td>
<td>17 x 17 x 8˝ (43.2 x 43.2 x 20.3 cm)</td>
<td>12 lbs (5.4 kg)</td>
<td>180-883</td>
<td>TOCCA810F</td>
</tr>
<tr>
<td>Aluminum Carry Case</td>
<td>810G, GB, GII</td>
<td>2 Sides for Accessories</td>
<td>22.5 x 12.75 x 22˝ (57.2 x 32.4 x 55.9 cm)</td>
<td>22 lbs (10 kg)</td>
<td>180-885</td>
<td>TOCCA810V</td>
</tr>
</tbody>
</table>

Aluminum Carry Case (180-905)