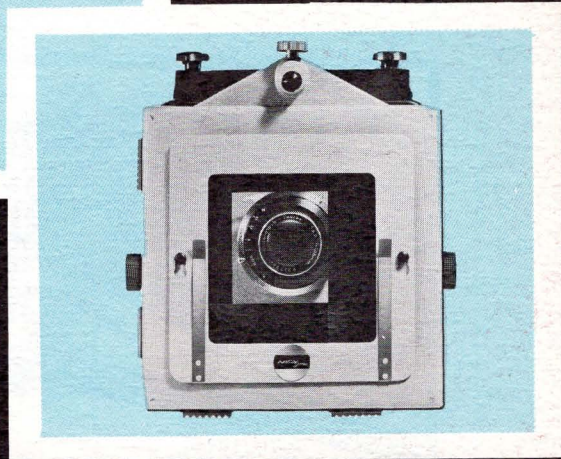
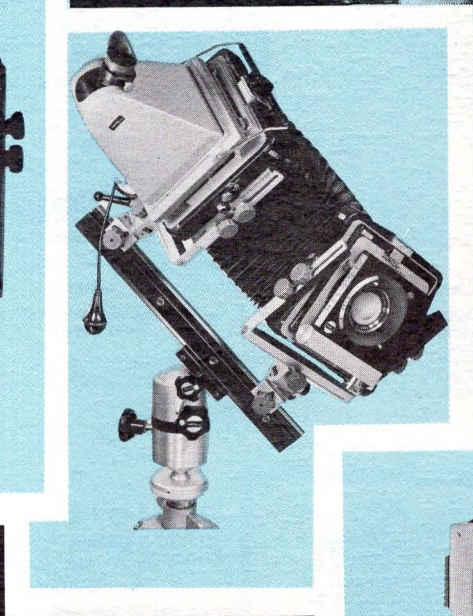
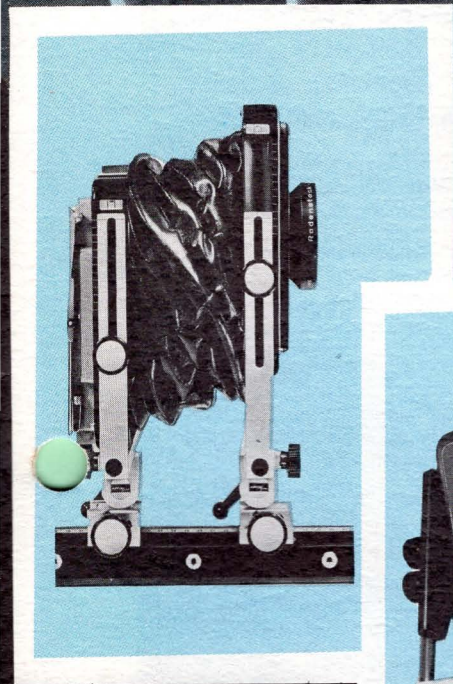
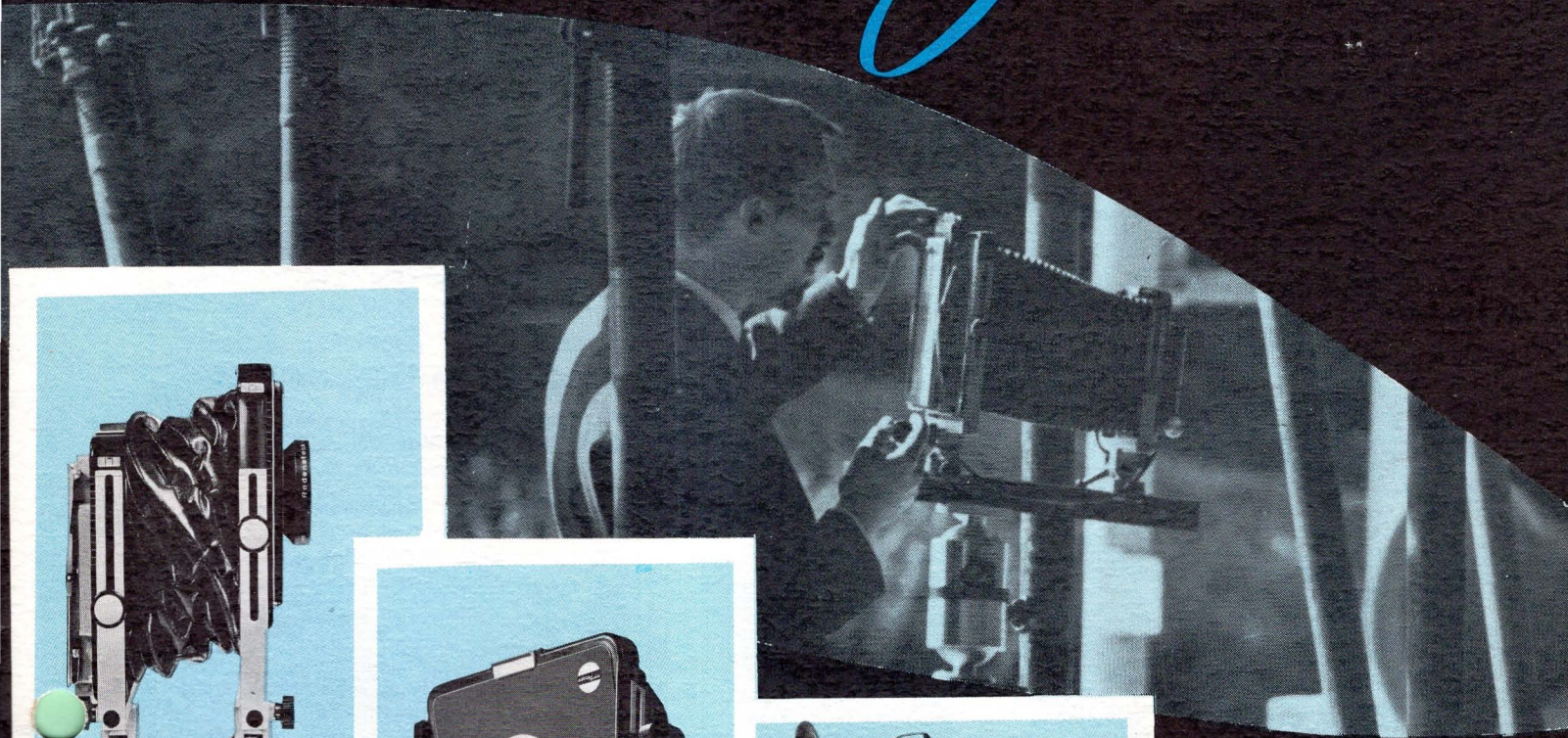


# ARCA

Swiss<sup>®</sup>



Exclusive U.S. Distributors

## BOGEN PHOTO CORP.

100 So. Van Brunt St. P.O. Box 448  
Englewood, New Jersey 07631

Telephones: (201) 568-7771 (N.J.)  
(212) 695-8166 (N.Y.)

U.S. Registered U.S. Patent Office

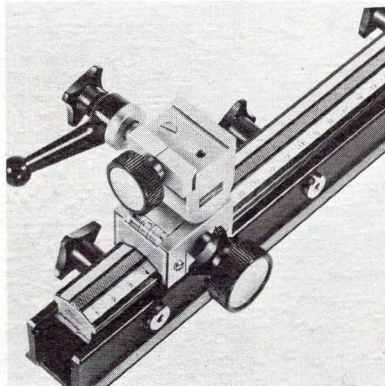
**THE CAMERAS FOR CREATIVE PROFESSIONALS**  
**ARCA-SWISS • MADE IN SWITZERLAND TO WATCHMAKER STANDARDS**

# ARCA *Swiss* VIEW CAMERAS

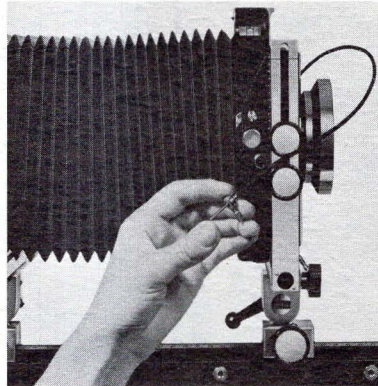
Arca-Swiss View Cameras Offer a unique combination of modular design and simplicity of operation which make them readily adaptable to any photographic application. The heart of the Arca-Swiss system is a rigid, precisely machined adaptation of the optical bench incorporating a built-in graduated scale. Four series of cameras are offered, in sizes from 2¼ x 3¼ to 8 x 10.

**All models in the four series have these important features in common:**

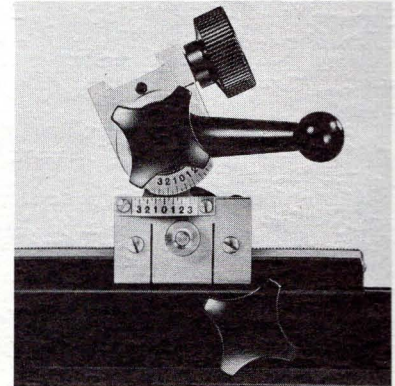
- Each camera is equipped with three spirit levels, one on the back carriage and one on each standard.
- All movements operate freely and are equipped with locks for ultra rigidity.
- The optical bench units, calibrated in millimeters, can be extended by means of extension brackets, supplied as regular equipment with the Standard Series, and available as accessories for the Super Light Cameras.
- All Cameras make use of the Arca-Swiss interchangeable modular units. Additional sections can be added, wide angle bellows substituted; backs changed; and other modifications performed with lock-on components in the field.
- The 4 x 5 models in each series are equipped with the Arca-Swiss International Back which accepts Graflok and Polaroid accessories.



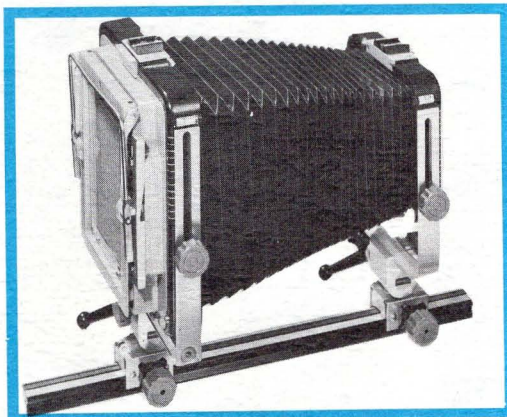
The optical bench of the Arca-Swiss is calibrated with a millimetre scale and precisely machined with a backlash-free helical thread gear drive.



Front and rear standards of all models are equipped with large size easily read spirit levels, as are rear base runners of all models.



Base tilt/swing runners are calibrated in degrees on Series I and III, as are the optical axis tilts on series II and III.



The Super Light Series in 2¼ x 3¼ and 4 x 5 formats: These are lightweight models which differ from Standard Series models only in that the lensboards are smaller, and the extension coupling bracket is eliminated. They are especially adapted to portability without sacrifice of rigidity or optical qualities.

- SL-23B 0401** Lightweight model, 27cm optical bench, tilts and swings on the base. 2¼ x 3¼ International Back, 110 x 110mm lensboard.
- SL-23A 0411** Same as SL-23B, but with tilts on the optical axis.
- SL-45B 0402** Lightweight model, 40cm optical bench. Tilts and swings on the base. 4 x 5 International Back, 110 x 110mm lensboard.
- SL-45A 0412** Same as SL-45B, but with tilts on the optical axis.

# VERSATILITY & PRECISION FOR EVERY APPLICATION

How do you prefer your camera movements to operate? The Arca-Swiss System gives you your choice! Tilts pivoted on the optical bench with the Series I, tilts around the Optical axis with Series II, or both with the new Series III.

Standard Series I; and Standard Series II, which differ primarily in that the former has its lens and back tilts pivoted on the optical bench, and the latter offers all movements of both back and front around the optical axis. Series I cameras are available in 4 x 5 and 5 x 7 formats; Series II in 4 x 5, 5 x 7 and 8 x 10.

## Description

### Standard Series I — Movements on the Base

- IB-45** 40cm calibrated bench, with coupling bracket for additional sections and quick mounting to Arca Ball Head. 171 x 171 lensboard; 4 x 5 International Back, tubular bellows.  
0403
- IB-57** 45cm calibrated bench, with coupling for additional sections and quick mounting to Arca Ball Head. 171 x 171 lensboard; 5 x 7 back.  
0404

### Standard Series II — Movements on the Optical Axis

- IIA-45** 40cm calibrated bench with coupling bracket. 171 x 171 lensboard; 4 x 5 International Back, tubular bellows.  
0405
- IIA-57** 45cm calibrated bench with coupling bracket; 171 x 171mm lensboard; 5 x 7 back accepts standard film holders.  
0406
- IIA-810** Same as 5 x 7 model, but with 8 x 10 back.  
0407

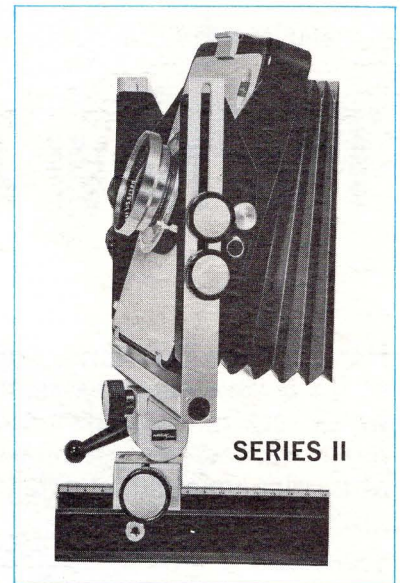
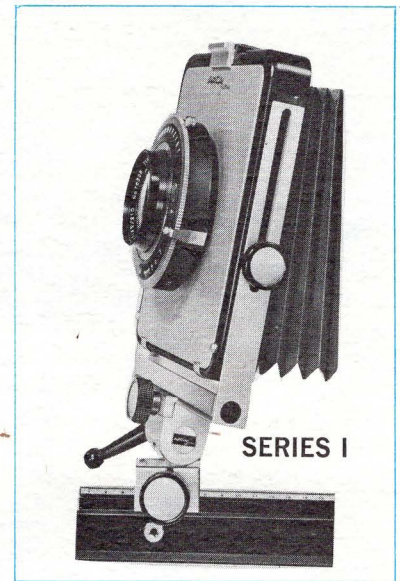
### New Series III — Double Pivot View Cameras

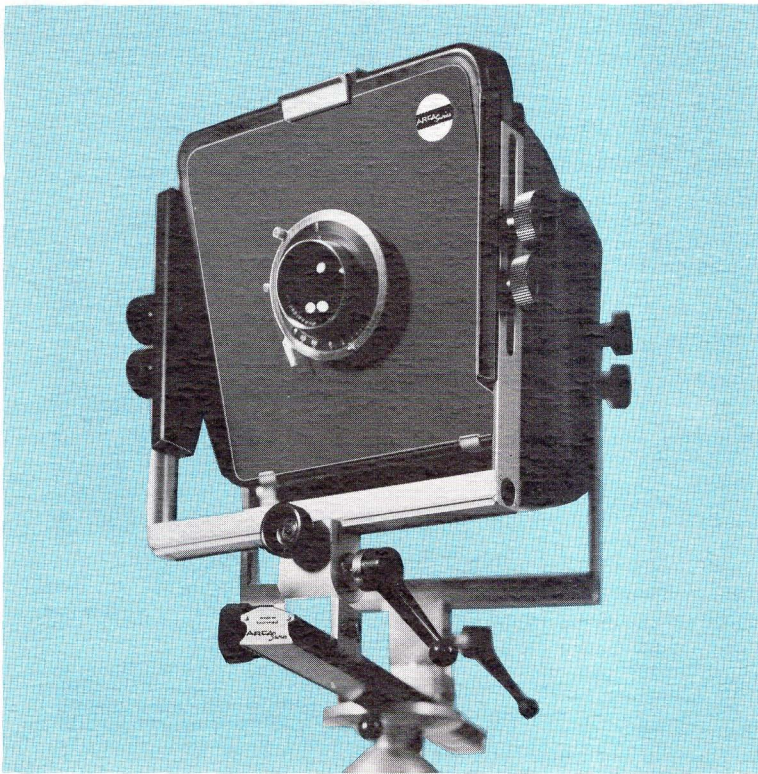
Combining the features that have made Arca-Swiss cameras recognized among the world's finest, the new series III models offer a two axis system for controlling movements of the camera standards. On the 4 x 5 and 5 x 7 models, both the front and rear standards have separate controls permitting tilting  $\pm 45^\circ$  around the optical axis plus tilts of the standard itself of  $\pm 40^\circ$ . The 8 x 10 Model provides the same dual axis pivots of the front standard, with tilts of the rear standard of  $\pm 45^\circ$  around the optical axis.

The Series III models incorporate all of the features of the Series II line, including spirit levels on each standard as well as on the rear carriage, the capability of almost unlimited expansion of focal length, and compatibility with the wide range of Arca-Swiss accessories.

- IIIA-45** 40 cm calibrated bench with coupling bracket. 171 x 171 cm lensboard; 4 x 5 International Back accepts Polaroid and Graflok accessories, tubular bellows.  
0408
- IIIA-57** 45 cm calibrated bench with coupling bracket. 171 x 171 cm lensboard; 5 x 7 back accepts standard film holders.  
0409
- IIIA-810** Same as 5 x 7 Model but with 8 x 10 back.  
0410

Accessories include recessed lens boards, wide angle bellows, extension bellows; sliding backs, reducing backs; compendium lens hoods; filter holders; Arca-Swiss Automatic Shutter.





— BASIC MODEL A #0415

Now You  
can have  
**Arca-Swiss®**  
Quality and  
Precision at  
a New Low  
Price

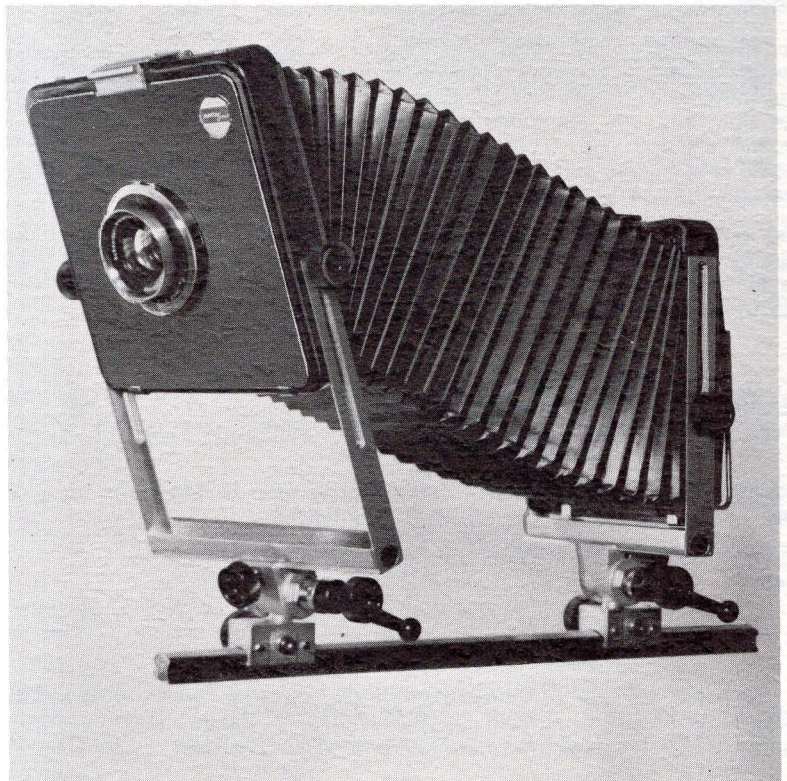
## The New **Arca-Swiss** BASIC 4x5's

Here, for the first time, are a series of 4 x 5 view cameras featuring old world craftsmanship with all the most wanted professional features at a price you cannot afford to pass up.

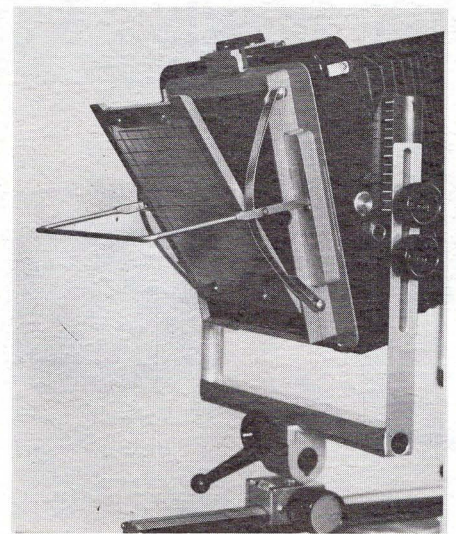
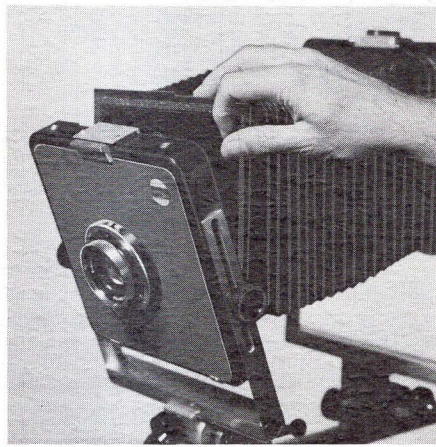
There are 3 models: The Basic "A" has tilts on the front and rear standards on the Optical Axis. The Basic "B" offers all movements operated from the optical bench (base operated tilts.)

The new BASIC-DP offers the same movements that have made its big brother, the Arca-Swiss IIIA-45 THE view camera to which serious photographers aspire.

Featuring a range of controls beyond the ability of any lens to overmatch, the Basic-DP sets a new standard for moderately priced technical cameras.

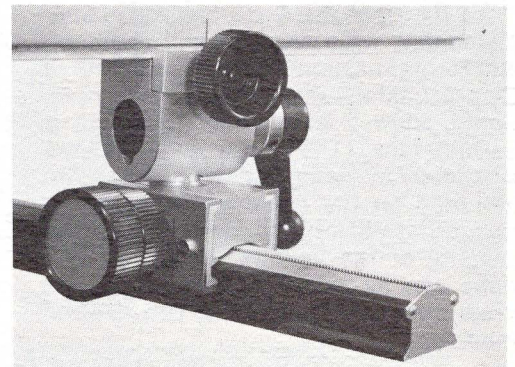


— BASIC MODEL B #0414



**All 3 models include all these important Arca-Swiss features:**

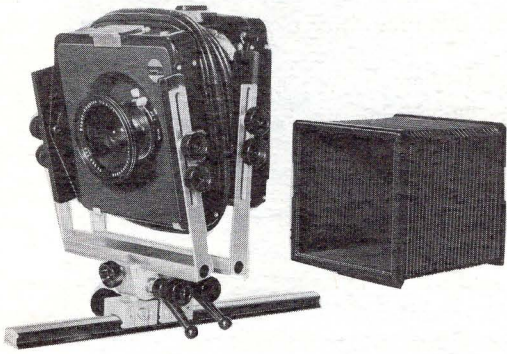
- Complete compatibility with all Arca-Swiss view camera accessories, including interchangeable bellows, reflex viewfinders, 171 x 171mm lens boards, etc.
- Lever operated heavy duty spring back; can be switched from vertical to horizontal format in an instant. Accepts the new Polaroid® #405 pack adapter.
- The same geared front and rear standard movements along the optical bench with double locking controls featured on all Arca-Swiss cameras.
- Three independent spirit levels for complete picture control.
- An unusually wide range of camera movements: Swing, Tilts, Rise and Fall, Shifts — on both front and rear standards.
- One piece Optical bench with separate tripod sockets for U.S. and European threads.



— BASIC DP #0416

Double Pivots, both Axis and Base Tilts at a new low price for a precision 4 x 5 View Camera.

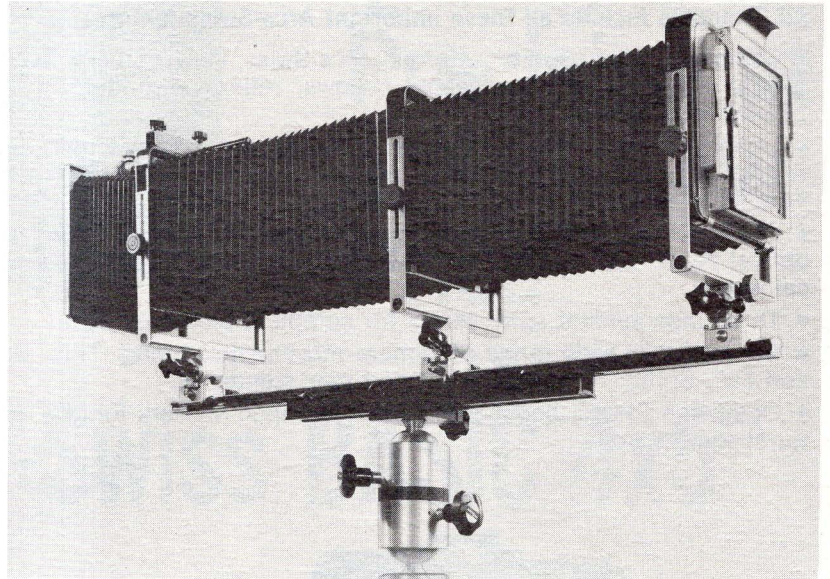
# ARCA-SWISS SYSTEM: THE LONG AND THE SHORT



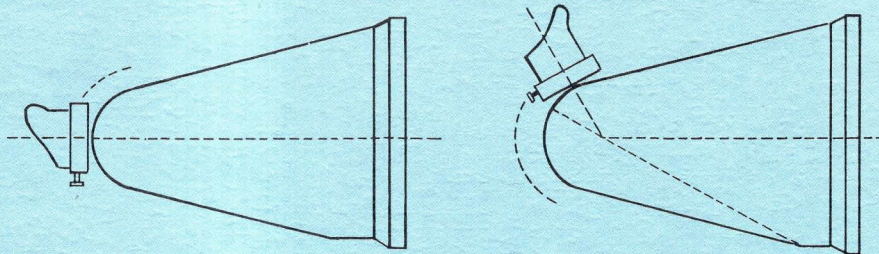
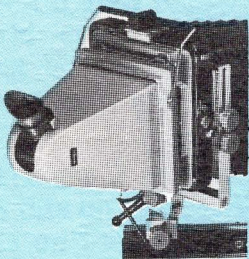
The two applications which provide the real test of view camera systems are wide angle and macro photography. And only the Arca-Swiss System permits you to meet both requirements to the fullest capability of your lens.

Shown are two 4 x 5 cameras. In the illustration at left the wide angle soft bellows is substituted for the standard tubular bellows and a wide angle lens is mounted on a 26mm recessed lens board. Note that the combination of the soft bellows and the short minimum extension of the standards permit the full range of movements of wide angle lenses to be exploited.

To the right the 4 x 5 camera is supplemented with an extension bellows, increasing maximum extension by 40cm (approximately 16"). This, for example, would allow 2:1 magnification with a 210mm lens. (The compendium bellows lenshood/filter holder is also shown mounted on the camera.) Note the intermediate standard, which prevents sagging of the bellows. Extension sections can be added to any Arca-Swiss view camera, including the 'Basic' models.



## ARCA-SWISS REFLEX MAGNIFIER/VIEWING HOOD



Effective use of perspective corrections with a view camera requires that the photographer be able to see the entire ground glass while keeping his eye centered on the optical axis. This condition is automatically met by the Arca-Swiss Reflex Viewfinder which, in addition, provides a right-side-up image.

Combining a magnifying lens with a light-trapped viewing hood, the Arca-Swiss Viewing Hoods, used on the 23 and 45 series View cameras, provide two-way viewing. The ocular has two positions: direct-view, in which it provides a magnified clear image of the ground glass, eliminating the need for a focusing cloth; swing the ocular up to the reflex position, and a front surface mirror swings into position before the eyepiece giving a

reflexed right-side-up image of the ground glass with only the horizontals reversed. Gives the same effect with a view camera as you would see in the waist level finder of a reflex camera.

This is the ideal accessory for the advertising photographer who has to be able to preview a picture with verticals erected.

- 0490 Reflex Finder for '23' Series cameras, requires
- 0491 Holder for Reflex Viewfinder for use with SL-23 View Camera.
- 0492 Reflex Viewfinder for 4 x 5 series cameras, also requires
- 0493 Holder for Reflex Viewfinder for all 4 x 5 Arca-Swiss Cameras.

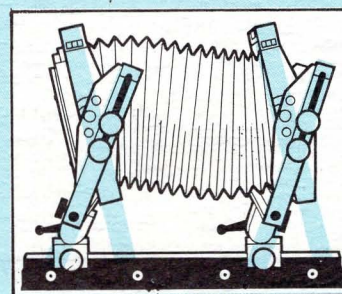
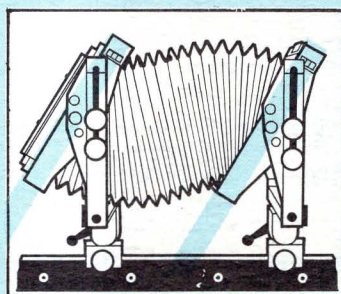
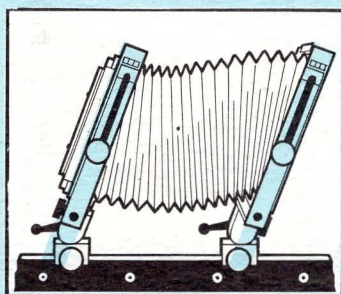
# Pivoting the Camera Movements on the Optical Axis vs Movements on the Base. Which is better ?

Arca-Swiss makes view cameras incorporating both types of system because long experience has shown that each has its own advantages.

The case for movements on the axis is based on the idea that the need for refocusing is minimized while tilting the lens to vary depth of field or moving the back to correct distortion. However, this holds true only when certain conditions not always found in practice are met; e.g. when the optical axis coincides with the point of optimum interest at which the camera is focused, and when both the lens and back are actually tilted around their nodal points.

The advantages of tilts pivoted at the base of the camera include lighter weight for the same degree of rigidity; a generally greater range of vertical movements; less interference with film holders at extremes of tilting movements and an ability to handle shorter focal length lenses.

Arca-Swiss is unique in offering both types of construction, and in achieving in both an unrivalled range of movements coupled with rock-steady rigidity of construction.



## ARCA-SWISS VIEW CAMERAS AT A GLANCE

MODEL	Format	FOCAL DISTANCE 1				RISE & FALL 4		HORIZONTAL MOVEMENT		Swings Front & Back	Tilts Front & Back	Length of Opt. Bench	Weight 3 (Lbs.)
		Minimum		Maximum 2		Front	Back	Front	Back				
		Flat LNSBD	Rec. LNSBD	Flat LNSBD	Rec. LNSBD								
SL 23B	2¼x3¼	2¾	1¼	11	9½	+1⅛ -1⅛	+1⅛ -1⅛	2½	2½	360°	±40°	27cm	3.3
SL 45B	4 x 5	2⅝	1⅞	15⅞	14⅜	+1⅛ -1⅛	+2¼ -1⅛	2½	5	360°	±40°	40cm	5.3
Series I	4 x 5	3	1	15⅞	13⅞	+2¼ -1⅛	+2¼ -1⅛	5	5	360°	±40°	40cm	6.9
Series I	5 x 7	3	1	17¾	15¾	+2 -1⅛	+3 -¾	5	7	360°	±40°	45cm	8.4
Series II	4 x 5	3⅝	1⅝	15⅞	13⅞	+1 -1⅜	+1 -1⅜	6	6	360°	±45°	40cm	7.5
Series II	5 x 7	3⅜	1⅜	17¾	15¾	+1 -1⅜	+2½ -½	6	7	360°	±45°	45cm	9.2
Series II	8 x 10	3⅝	1⅞	17¾	15¾	+1⅛ -2	+6 -¾	6	6¼	360°	±45°	45cm	13
Series III	4 x 5	3⅝	1⅝	15⅞	13⅞	+1 -1⅜	+1 -1⅜	6	6	360°	±45° <sup>5</sup>	40cm	7.5
Series III	5 x 7	3⅜	1⅜	17¾	15¾	+1 -1⅜	+2½ -½	6	7	360°	±45° <sup>5</sup>	45cm	9.2
Series III	8 x 10	3⅝	1⅞	17¾	15¾	+1⅛ -2	+6 -¾	6	6¼	360°	±45° <sup>5</sup>	45cm	13
Basic "A"	4 x 5	3⅝	1⅝	15⅞	13⅞	+1 -1⅜	+1 -1⅜	6	6	360°	±45°	40cm	6
Basic "B"	4 x 5	3	1	15⅞	13⅞	+2¼ -1⅛	+2¼ -1⅛	5	5	360°	±35°	40cm	5½
Basic "DP"	4 x 5	3⅝	1⅝	15⅞	13⅞	+1 -1⅜	+1 -1⅜	6	6	360°	±70°	40cm	6½

Notes: All dimensions expressed in inches unless otherwise noted.

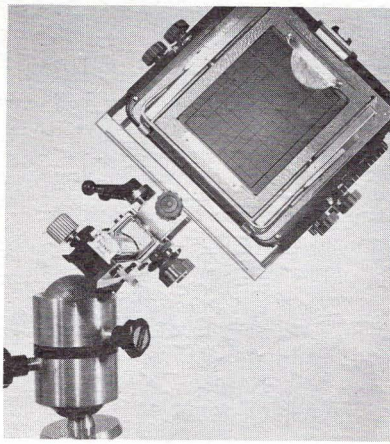
1 Measured from lens board to film plane.

2 Can be extended as desired with additional sections.

3 Not including lens board or back adapter.

4 Measured from center + is rise, - is fall.

5 Series III cameras have ±40° additional tilt at optical bench, except 8 x 10 back tilts only on optical axis.



## ARCA-SWISS BALL-JOINT TRIPOD HEADS BRING SMALL CAMERA FLEXIBILITY TO LARGE FORMAT CAMERA HANDLING



An exclusive new feature: Variable Tension Adjustment sets friction "hold" to match the weight of your camera.

The heart of Arca-Swiss' new system is a large diameter (80mm) ball and socket system. Both models rotate through a solid angle of 90°. The double ball model will handle the heaviest cameras up to 8 x 10 in size, whereas the single swivel models are designed for use with SLRs and lighter weight view cameras. When using smaller, lighter weight cameras, such as 6 x 9 and 6 x 6 Press and reflex models,

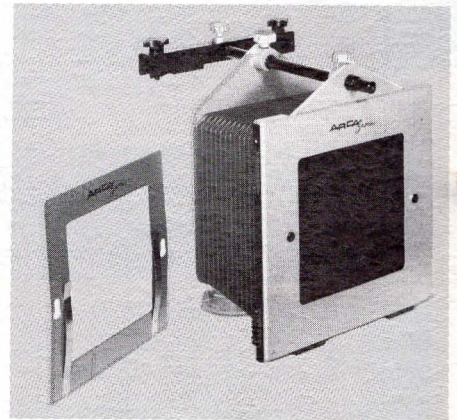
the tension control, in the form of a small knurled adjusting screw can be set to a low friction value, permitting quick movement of the camera when the locking knob is released. When heavier cameras are employed, the adjusting screw can be instantly set to a higher tension so that when the locking knob is released, the camera will float to a new position rather than "collapse".

- 0480 18.1 Double Ball Joint tripod Head with Quick Release Plate.
- 0483 18.2b Mono-Ball-Joint Tripod Head with Quick Release plate. (Note: Models 18.1 and 18.2b accept All Arca-Swiss Series I, II & III view cameras and ORB-23 and ORB-45 Reflex.
- 0481 18.1a Double-Ball-Joint Tripod Head with Standard Tripod Socket Screw.
- 0487 18.2c Mono-Ball-Joint Tripod Head with Standard Tripod Socket Screw.

### ACCESSORIES



**Illustrated left: #0498** Special Custom Fitted Case for all 4 x 5 Arca-Swiss View Cameras. Sturdily built, fibre exterior with foam lined interior. Holds camera fully assembled, ample fitted space for extra lens boards, Reflex Viewfinder. w/a Bellows film holders and other accessories. Outside Dimensions 22 x 14½ x 10¾".



**Illustrated Right: #0470** Compendium Bellows/Lenshood for Arca 4 x 5 Series I, II, III & Basic cameras. Includes filter holder which can be mounted at front or rear of lens hood, and masking blades to permit cutting off all flare producing extraneous light outside the picture area.

### BOGEN-ARCAR LENSES

We may never see again the good five cent cigar the man once said the country needed — but what's also needed, and is now here, is a good moderate lens at a good moderate price. That's what the new Bogen-Arcar lenses offer. Based on a proven 4 element design, these fine quality lenses offer good contrast, sharpness and more than adequate coverage for full camera movements on 4 x 5 formats.

All 3 offer a speed of f6.3 and are mounted in reliable shutters. The 180mm and 90mm in a Seikosha #0 with MX Synchronization, self timer, press-focus operation and shutter speeds from 1 to 1/500 sec. plus B. The 210mm in the famous Copal #1 with MX synth, press-focus level and shutter speeds to 1/400 sec. plus B & T.

- #0635 Bogen-Arcar 180mm f6.3 in #0 shutter
- #0636 Bogen-Arcar 210mm f6.3 in #1 shutter
- #0640 Bogen-Arcar W.A., 90mm f6.3 in #0 shutter

#### SPECIFICATIONS

Focal Length	Speed f/	Film size (Format)	Smallest f/ stop	Shutter	Angle of view	Circle of image f/16 (mm)	"a" dia. (mm)	"b" dia. (mm)	"c" (mm)	"d" (mm)	"e" (mm)	"g" (mm)	Filter size (mm)	Weight (gram)
180 mm	6.3	5"x7"	64	#0	56°	220	42	31.8	35.4	11.4	169.3	159.0	40.5	270
210 mm	6.3	5"x7"	64	#1	54°	235	42	37	38	12.0	198.3	185.5	40.5	270
90 mm	6.3	4"x5"	32	#0	80°	160	42	32	32.5	9.0	84.00	82.9	40.5	180

"a" Front lens mount diameter  
"b" Rear lens mount diameter

"c" Overall length  
"d" Distance from shutter to end of rear mount

"e" Distance from lens seat to film plate  
"g" Back focal length

