

SINGER GRAPHLEX STROB 250

GRAPHEX

Large format Graflex Graphic Cameras take in the whole scene. Give you a maximum image—therefore maximum resolution, clarity, extremely fine detail, plus unsurpassed flexibility. They allow even small sections of a negative to be enlarged with outstanding fidelity. And, with front standard adjustment, you can control focus and correct normal perspective distortion—or introduce distortion to suit your artistic needs plus increase depth of sharpness with selective point of focus. Whether you are a commercial photographer, a fashion photographer, or a photographer's photographer, Graphic cameras have the features you need—features to be found in no other camera at any price.

## **Pacemaker Crown Graphic® 45 is the work horse for professionals.**

For years now, the pros have picked the Pacemaker Crown Graphic 45 because of its adaptability, and dependability. In the studio or on location.

It has the reputation as the work horse of the 4x5's because it is truly a full-size, general purpose camera. The camera that time after time gives you clear, sharp pictures with no fuss and no bother.

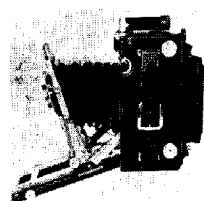
### **Applications:**

General purpose 4" x 5" professional photography in the studio or on locations. Also for weddings, police and fire work, commercial and industrial applications.

### **Features:**

Graflok back with Ektalite field lens for easier ground glass focusing; built-in Graphic Rangefinder with interchangeable cams; rack and pinion focusing for all lenses; removable ground glass viewing hood; optical viewfinder with automatic parallax adjustment; interchangeable masks for optical finder.

### **Adjustments:**



Front standard rises 1 1/8", shifts 1 1/32" from center, tilts back 18 1/2°. The 18 1/2° drop bed allows use of extreme wide-angle lenses and forward tilt of front optics.

### **Optical Viewfinder:**

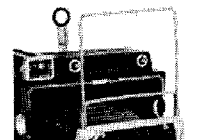
Has built-in automatic parallax correction; accepts masks to show field included by normal and telephoto lenses; has special wide angle viewfinder adapter.

### **Double-Extension Bellows:**

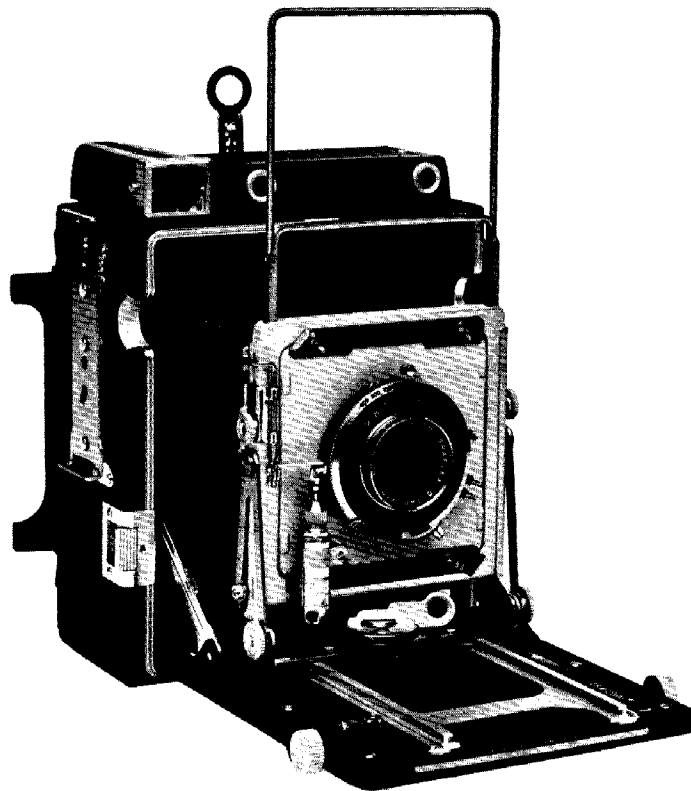


2 1/2" to 12 1/2" for 1:1 copies without extension tubes or expensive optical accessories.

### **Sports Viewfinder:**



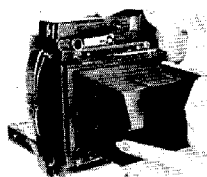
Long-wearing coil-spring construction; quick and easy composition of pictures with no blind spots; accepts plastic masks for roll film and telephoto formats; rear peepsight has parallax adjustment.



### **Exclusive Rangefite:**

Built into rangefinder; projects two beams of light on subject. Perfect focusing when beams converge; ideal for focusing in dim light or night photography.

### **Ground Glass Focusing:**



For critical or selective focus and for exact determination of composition and depth of field.

### **Accessories:**

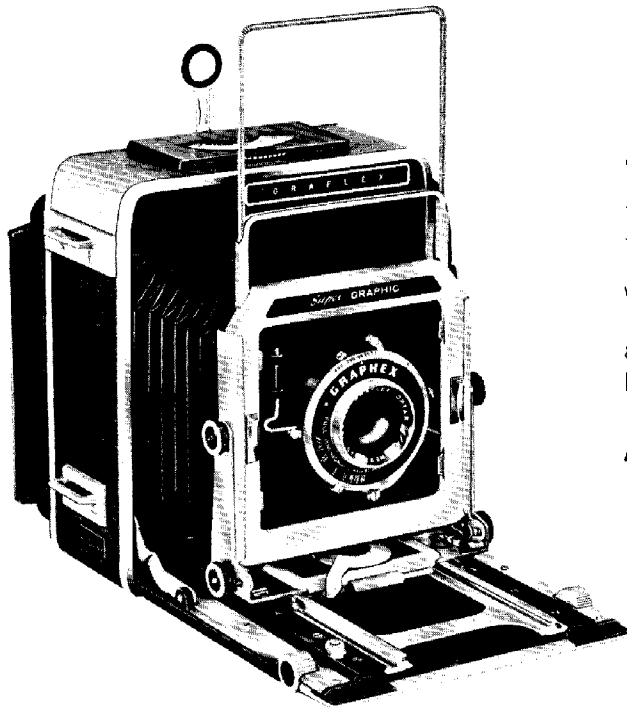
Full range of film holders, flash units, lenses, cords, and tripods.

### **Interchangeable Lenses:**

Full range of accessory lenses from 90mm to 380mm telephoto, cam-matched to built-in Graphic Rangefinder plus a Super Angulon 65mm wide angle lens in special focusing mount.

### **Interchangeable Film Holders:**

Switch instantly from one type of film to another—color or black-and-white, single sheets, 16 exp. packs, 120, 220 roll film, 70mm or Polaroid roll film, also accepts series 545 Polaroid 4x5 back.



## Super Graphic® 45 takes the shot you want when you want it.

The Super Graphic 45 is packed with features that make it the standard of 4x5 excellence.

This is the camera to use when there is no margin for error. When a big moment must be captured just right, the first time.

Under a wide variety of conditions and speeds, indoors and out, the Super Graphic 45 is designed to operate with precision.

If you're a professional you can afford nothing less.

### Applications:

4" x 5" professional photography of weddings, sporting events; and architectural, industrial and commercial use indoors or out.

### Bonus Features:

Large, easy to insert, individually matched range-finder cams; sports viewfinder; ground glass focusing panel with removable focusing hood; dark slide clip; cam-action slide locks; accessory Presslok tripod mount; interchangeable, internally wired lensboard assemblies; and built-in 45V solenoid and microswitch.

### Lightweight:

Reinforced extruded aluminum for maximum strength, minimum weight in large negative hand camera; only 4¾ lbs. complete.

### Improved Front Standard and Drop Bed:



Controls image distortion, parallelism, composition and depth of field; tilt, 15° back, 12° forward; swing from center 25°; lateral shift from center ½"; rise 1½"; 15° drop bed permits use of extreme wide angle lens and additional forward tilt of lens.

### Built-In Automatic Flash Exposure Calculator:



A Graflex exclusive which lets you dial the Flash Guide Number and focus on subject; calculator automatically shows camera-to-subject distance and correct aperture setting for perfect exposure.

### Electrically Operated Shutter Release:

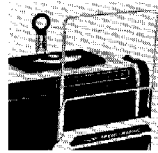
Ends blurring; shutter released by touching microswitch on camera or on Graflite battery case.

### Lite-Tite Revolving Graflok Back:



Revolves a full 360° in either direction without fogging film; change from horizontal to vertical format without moving camera; insert and remove film holders from any direction.

### Sportsfinder:



Lets you watch the action develop for better, easier composition of action subject; accepts plastic masks for roll film and telephoto formats; rear peep-sight has parallax adjustment.

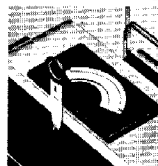
### Accessories:

Full range of Graflex quality lenses, film holders, flash units (electronic and flash bulb), connecting cords, tripods, optical viewfinder, masks for lens and film formats, and wide angle viewfinder adapter.

### Built-In Rangefinder:

Cam-coupled to lens; large, easily interchanged cams assure perfect focus for 90mm to 380mm lenses.

### Cam Coupled Focusing Scale:



Focusing scale is coupled to the rangefinder and indicated by pointer at top of camera.

### Double Extension Bellows:

Allows 1:1 photography without extension tubes or expensive optical accessories, fuller use of long focal-length telephoto lenses up to 15" in focal length.

## 4 x 5 Pacemaker Crown Graphic Cameras

### CAT. NO.

CF-13: Camera less lens. (Supplied on special order).

CF-93: With 135mm (5¼") Graflex Optar f/4.7 lens in No. 2 Graphex full sync shutter (38mm filter mt. dia.)

CF-904: Pacemaker Crown Graphic Special Camera, 135mm quality lens in full sync shutter.

### Pacemaker Crown Outfit A:

Including 3-cell Graflite Unit with 5" reflector (2735) and 20" sync shutter cord (2701 or 2721).

### CAT. NO.

CF-93A: With 135mm (5¼") Graflex Optar f/4.7 lens

### Pacemaker Crown Outfit B:

Including 3-cell Graflite, 5" reflector, solenoid and 20" cord (2736), installation and synchronization of solenoid (9460).

### CAT. NO.

CF-93B: With 135mm (5¼") Graflex Optar f/4.7 lens

### Pacemaker Crown Outfit F

Including 3-cell Graflite 5" reflector, solenoid, and 36" Expand-O-Cord (2836) installation and synchronization of solenoid (9460).

### CAT. NO.

CF-93F: With 135mm (5¼") Graflex Optar f/4.7 lens

### Pacemaker Crown Outfit L:

including Strob 250 Electronic Flash outfit with battery (2302), Battery Case Clamps (2771), 36" Expand-O-Cord (2810) and Handicase (4268).

### Super Graphic 45 Cameras

### CAT. NO.

SU-13: Camera less lens (supplied on special order)

SU-93: With 135mm (5¼") Graflex Optar f/4.7 lens in No. 2 Graphex full sync shutter

### Super Graphic 45 Outfits

#### Outfit N

Super Graphic camera with lens indicated, Graflite Flash gun (2 cell with 5" reflector) (2725), Y cord (2802), Presslock tripod mount (4595).

### CAT. NO.

SU-93N: With 135mm (5¼") Graflex Optar f/4.7 lens in No. 2 Graphex full sync shutter

#### Outfit R

Super Graphic camera with lens indicated, Optical finder (9136), Graflite flash gun (2 cell with 5" reflector) (2725), and Cord (2802).

### CAT. NO.

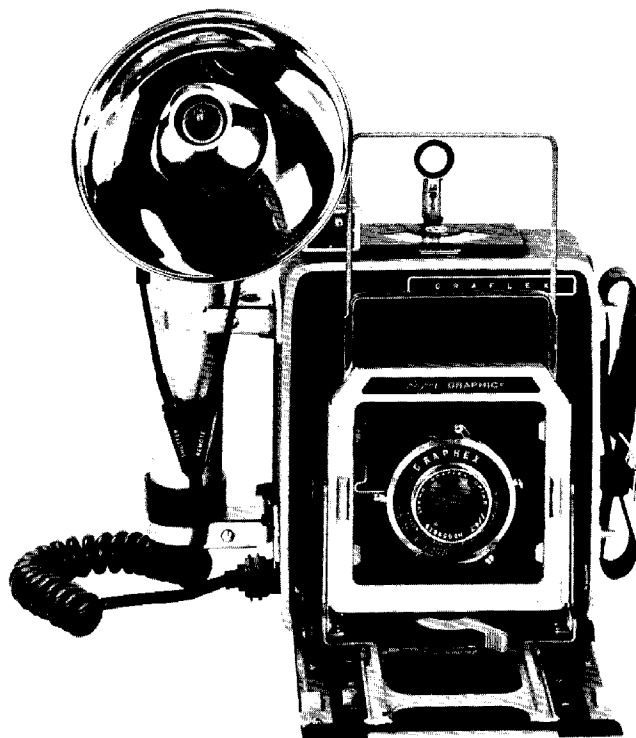
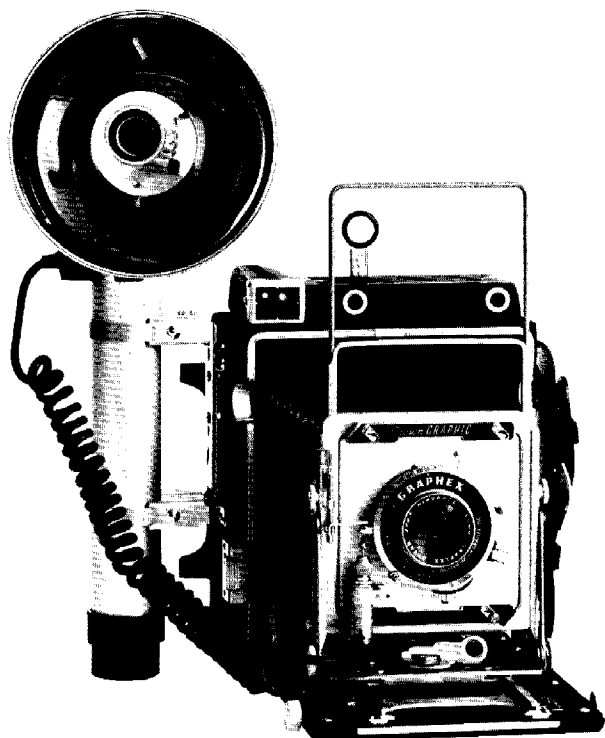
SU-93R: With 135mm (5¼") Graflex Optar f/4.7 lens in No. 2 Graphex full sync shutter

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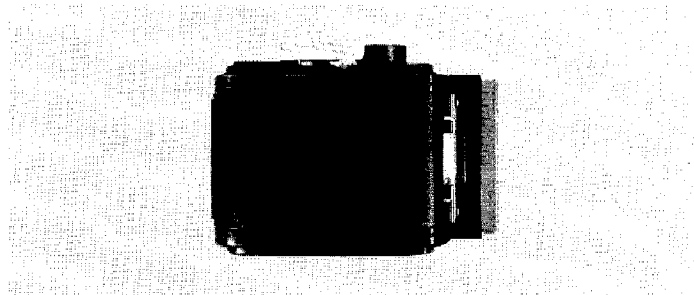
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# Graflex Rapid-Vance Roll Film Holders

Save time and money by making photography a one-camera business with the speed and flexibility of roll film. Change from color to black & white, from slow to fast film—even in the middle of a roll without losing a single exposure. Use 120 roll film for 8, 10 or 12 exposures; 220 roll film for 20 exposures; 70mm roll film for 50 exposures. Ideal for quick-advance, rapid-interchange multi-shot use for weddings, sports, news, industrial, advertising and other purposes. Choice of three formats:

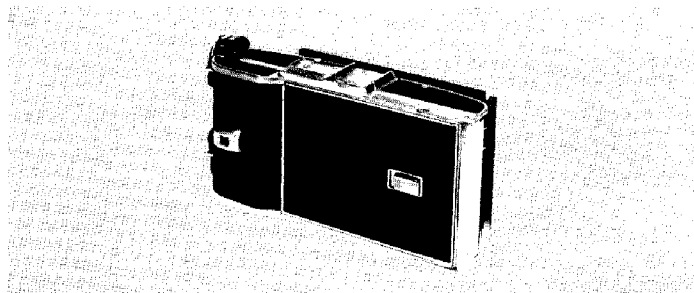
- **RH/8—Wider Format:** 8 exposures, 2¼" x 3⅛" on 120 film . . . . . **Cat. No. 1294**
- **RH/10—Ideal Format:** 10 exposures, 2¼" x 2¾" on 120 film . . . . . **Cat. No. 1295**
- **RH/12—Square Format:** 12 exposures, 2¼" x 2¼" on 120 film . . . . . **Cat. No. 1296**
- **RH/20—Ideal Format:** 20 exposures, 2¼" x 2¾" on 220 film . . . . . **Cat. No. 1297**
- **RH/50—Ideal Format:** 50 exposures, 2¼" x 2¾" on 70mm film . . . . . **Cat. No. 1240**



## Polaroid Land Roll Film Holder:

Fits 4 x 5 Graphic cameras with Graflok backs. Accepts all Series 40 Polaroid films 3¼ x 4¼—black & white and color. Supplied with optical viewfinder mask and spacer to allow use of rangefinder. Complete with dark slide for ready removal without loss of film. Accessory focusing panel also available for critical close-up ground glass focusing and composition.

- # 9108—Roll Film Holder for 4 x 5 cameras.
- # 9288—Focusing Panel

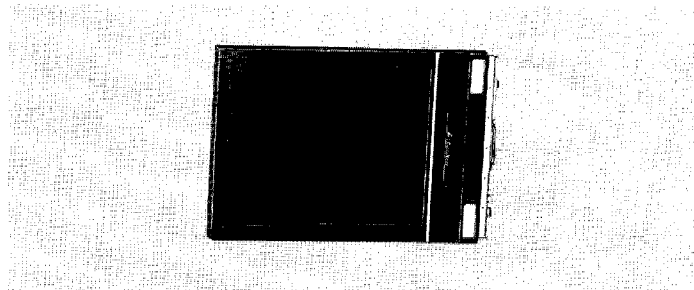


# Graflex Sheet Film Holders

## Graphic Riteway Film Holder

Holds 2 sheets of 4 x 5 film. Gives most accurate positioning of any holder made. Patented spring-finger light trap; edge gripping systems; 2 notation panels on each side; provision for adding identification tabs to record on negative. Unconditional two year warranty.

- # 1284—for 4 x 5 and other cameras with Graphic holders.
- # 1285—Box of 3 for above cameras.
- # 1288—with hard rubber slides for certain color films.
- # 1289—Box of 3 of above.



## Grafmatic Holder

Holds 6 sheets of cut film in one loading. Grafmatic Holders are actually film magazines barely thicker than usual two-sheet film holders. Counter dial tells number of pictures taken, and numbers each negative. Visible signal automatically indicates when film is uncovered for exposure. Provision for identification tab included inside with large notation panel on back of holder.

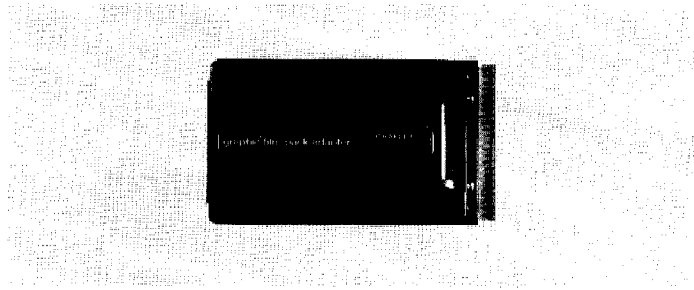
- # 1268—for 4 x 5 cameras.
- # 1560—set of 6 Septums, replacement, 4 x 5.



## Graphic Film Pack Adapter

For daylight loading of 16-exposure film packs. Designed against light leak when tearing tabs. For large number of exposures with minimum amount of space.

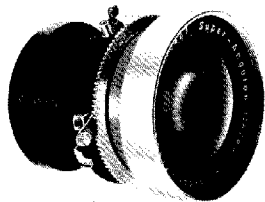
- # 1234—for 4 x 5 cameras.



# Graphic lenses

Next to skill, equipment is the most important ingredient in producing outstanding pictures. Lenses are no exception. Having a good variety, precisely designed to do their specific jobs best, gives you the freedom and flexibility to achieve the candid accuracy and highly creative effects demanded by discriminating clients.

Described here are some of the world's finest lenses to meet your exacting photographic needs—from the world's foremost producers of precision optics.

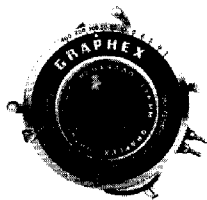


## Schneider Super Angulon

For critical wide-angle assignments—or when extreme camera movements are required. Maximum coverage and sharpness, allowing 84° angular coverage on proper film size, even at f/8. Top detail and brilliance from

edge to edge of full negative. Exceptional evenness of illumination and flatness of field.

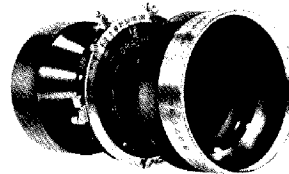
- 47mm f/8 for 2¼" x 3¼" cameras—in No. 00 Full-Sync Compur M-X Sync Shutter
- 90mm f/6.8 for 4" x 5" cameras in No. 0 Copal M-X Sync Shutter.



## Graflex Optar Lenses for 4" x 5" cameras—in Full-Sync Graphex Shutters.

Excellent light transmission, high contrast, minimal flare. Crisp, brilliant full negative images. Ideal for news, sports, commercial, industrial and pictorial work. The 135mm lenses are for

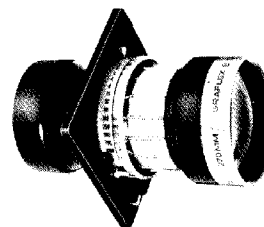
maximum depth of field and angle of view.



## 270mm Rodenstock Rotelar f/5.6 Lens for 4" x 5" cameras—in No. 1 Graphic Synchro-Compur Shutter.

Medium-range, five-element lens with only twice the weight of normal 135mm lenses. Requires only

2" more bellows extension when focused at infinity. 2x the magnification of 135mm lenses. Shutter can be solenoid synchronized for remote release. Top shutter speed, 1/400 sec.



## 270mm Graflex Tele-Optar f/6.6 Lens in Graflex 1000 shutter.

Same as above lens except for the shutter, which has a top speed of 1/1000 second and other special features. Designed for fitting to Super Graphic 45 Camera.

Focal Length	Name of Lens	Lens Speed	Shutter Speed	Sync	Slip-On Filter Mount Diameter		Required Connecting Cord	Lens Cat. No.	Lens Kit No. For Century Graphic	Lens Kit No. For Pace-maker 45	Lens Kit No. For Super Graphics
					Slip On	Screw In					
47mm	Schneider Super Angulon	f/8	1-1/500	MX	42mm, Series 6	40.5 x .5mm	2721 or 2821	407	9721	—	—
80mm	Noritara	f/2.8	1-1/500	MX	58mm, Series 7	55mm x .5mm	2721 or 2821	304	9705	—	—
90mm	Schneider Angulon	f/6.8	1-1/500	MX	42mm, Series 6	40.5mm x .5mm	2721 or 2821	412	—	9815	9825
100mm	Noritara	f/3.5	1-1/500	MX	42mm, Series 6	40.5mm x .5mm	2721 or 2821	342	9804	—	—
135mm	Graflex Optar	f/4.7	1-1/400	MFX	38mm, Series 6	—	2701 or 2810	244	9801	9812	9822
270mm	Rodenstock Rotelar	f/5.6	1-1/400	MX	70mm, Series 9	67 x .75mm	2808	580	—	9745	9748
270mm	Graflex Tele-Optar	f/6.5	1-1/1000	MX	70mm, Series 9	67 x .75mm	—	581	—	—	9794

**SINGER**  
EDUCATION & TRAINING PRODUCTS

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