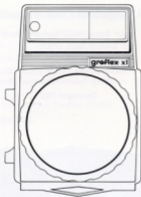


**graflex**

**X**

the newest, most versatile camera designed for Professional Photographers



## **finest camera made!**

Graflex xl . . . specifically designed to meet the uncompromising demands of professional photographers in every field and form. A precision crafted tool that becomes part of the man who uses it. A tool that is apt for any and all occasions.

# the one camera that grows to meet your

Because the Graflex xl can be any one of two hundred or more combinations of lenses, film holders, film formats and film it is exceedingly difficult to pinpoint a definite model and say that 'this' is an xl.

We have, therefore, designated a sampling of separate combinations to call your attention to what might be termed the basic cameras for three basic areas of photography. Candid . . . studio . . . and special application wide angle. (Other outfits are listed on the following pages.)

We have pictured these combinations at the right just as you will receive them in their special carry-home display cases (which can later be used as tote cases for prints, accessories, etc.). The lens combinations might change depending on your own special needs . . . therefore, consider this a start (and only a start) into the new Graflex(ible) world of xl photography.

## xl rangefinder camera outfit includes:

- xlrf Rangefinder Camera Body (7303)
- xl Graflok Back (7305)
- xl Multi-Grip (7383)
- 100mm Zeiss Tessar f/3.5 Lens
- in MXV-O Synchro-Compur Shutter (7335)

Catalog xl-701



# requirements...

# graflex® XI

## xl standard camera outfit includes:

- xls Standard Camera Body (7302)
- xl Graflok Back (7305)
- xl Multi-Grip (7383)
- xl Sportsfinder (7362)
- xl Sportsfinder Mask (7365)
- 100mm Zeiss Tessar f/3.5 Lens
- in MXV-0 Synchro-Compur Shutter (7335)

Catalog xl-702



## xl super wide angle camera outfit includes:

- xlsw Camera Body (7301)
- xl Graflok Back (7305)
- Body Cable Release (7382)
- xl Sportsfinder (7361)
- 47mm Schneider Super Angulon f/8 Lens
- in MXV-00 Synchro-Compur Shutter (7330)

Catalog xl-703





# xl

## rangefinder camera outfits

Shown with optionally available  
Quick Focus lever

### xl rangefinder camera outfits include:

- xlrf Camera Body (7303)
- xl Lens of your choice
- xl Graflok Back (7305)
- xl Multi-Grip (7383)

xl-Outfit	Lens Included with Outfit
xl-701 with	100mm Zeiss Tessar <i>f</i> /3.5 Lens in MXV-0 Synchro-Compur Shutter
xl-704 with	80mm Rodenstock Heligon <i>f</i> /2.8 Lens in MXV-0 Synchro-Compur Shutter
xl-705 with	80mm Zeiss Planar <i>f</i> /2.8 Lens in MX-1 Synchro-Compur Shutter
xl-706 with	100mm Zeiss Planar <i>f</i> /2.8 Lens in MX-1 Synchro-Compur Shutter
xl-707 with	95mm Rodenstock Ysarex <i>f</i> /3.5 Lens in MXV-0 Synchro-Compur Shutter
xl-709 with	150mm Rodenstock Ysarex <i>f</i> /4.5 Lens in MXV-1 Synchro-Compur Shutter

For the working photographer, whose professional duties take him to every picture making location . . . for the man who must have at his fingertips a precision tool that works with him . . . that is responsive, easy to handle . . . strong yet light . . . rigid yet completely versatile in its ultimate application. For studio use . . . on a tripod . . . or in the field on a candid assignment . . . at weddings . . . fashion shows . . . on news beats . . . or as a portrait camera . . . the xl Rangefinder camera is capable, not only of equalling the performance of other cameras, but surpassing them. Simply insert the lens you select, attach the film holder of your choice with the format you desire and your xl camera becomes . . . not a mass produced production line duplicate, but rather, a custom designed, hand picked, precision tool. You have at your command, a camera whose reliability is unchallenged . . . a lens that is unsurpassed, a design that is functional; a camera concept that will lend or adapt itself to virtually any commercial, artistic or photo-journalistic endeavour. Graflex xl . . . the finest camera made . . . anywhere.

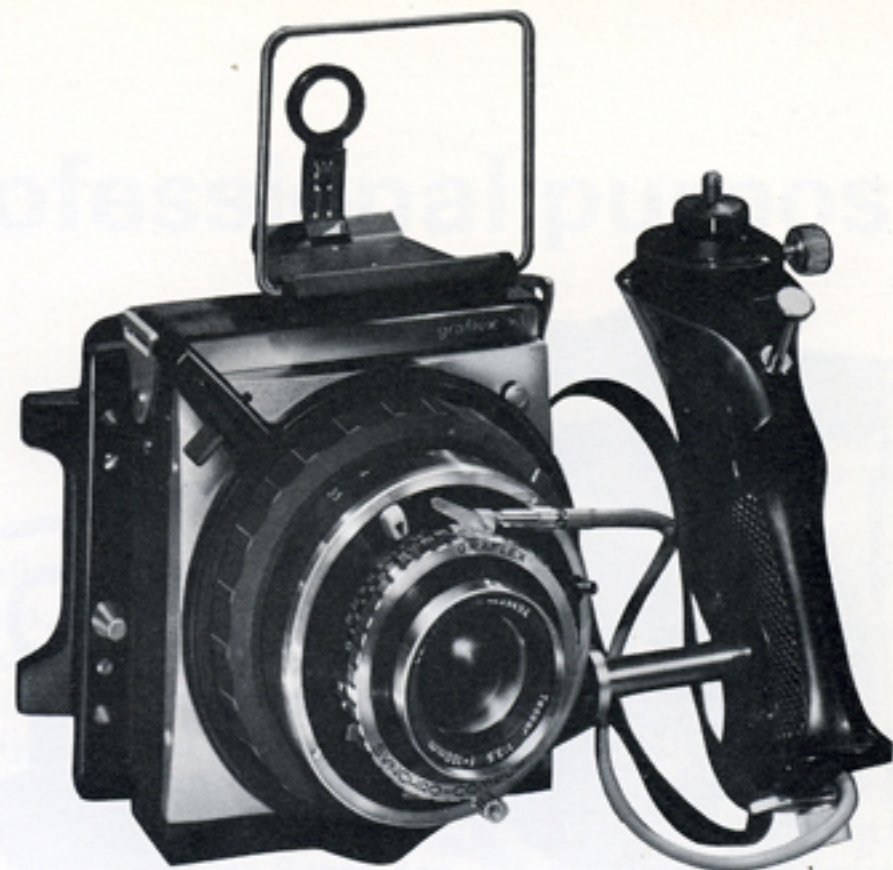
The xls Standard Camera is similar in all respects to the rangefinder model except that it does not have the coupled rangefinder. Its application as a studio camera is self-evident. It is used hand held or on a tripod with focusing and composing done on the ground glass or with focusing scale and sports type viewfinder. The Standard model, equipped with a sportsfinder and mask is as versatile as any camera one could wish. Attach the multi-grip and the camera becomes a candid unit that allows the photographer to think of other things besides his camera . . . now the camera and the man are one. Hand held or tripod mounted the xls Standard is a professional camera outfitted with your choice of the world's finest lenses.

Macro . . . micro . . . telephoto . . . or wide angle . . . whatever the assignment you not only can do it . . . but do it better with an xl. You can work in any of five film formats . . . with any of nine film holders and a complete variety of normal, telephoto and wide angle lenses that are specifically selected for the xl.

Vibrations that are associated with fluttering and shaky bellows are of course eliminated in the rigid housing and rugged design of the xl.

**xl**

## standard camera outfits

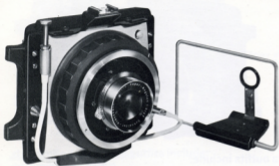


*Shown with optionally available Quick Focus lever*

### xl standard camera outfits include:

- xls Standard Camera Body (7302)
- xl Lens of your choice
- xl Graflok Back (7305)
- xl Multi-Grip (7383)
- xl Sportsfinder (7362)
- xl Sportsfinder Mask (7365)

xl-Outfit	Lens Included with Outfit
xl-702 with	100mm Zeiss Tessar <i>f</i> /3.5 Lens in MXV-0 Synchro-Compur Shutter
xl-714 with	80mm Rodenstock Heligon <i>f</i> /2.8 Lens in MXV-0 Synchro-Compur Shutter
xl-715 with	80mm Zeiss Planar <i>f</i> /2.8 Lens in MX-1 Synchro-Planar Shutter
xl-716 with	100mm Zeiss Planar <i>f</i> /2.8 Lens in MX-1 Synchro-Planar Shutter
xl-717 with	95mm Rodenstock Ysarex <i>f</i> /3.5 Lens in MXV-0 Synchro-Compur Shutter
xl-719 with	150mm Rodenstock Ysarex <i>f</i> /4.5 Lens in MXV-1 Synchro-Compur Shutter



# xl super wide angle camera outfit

## xl super wide angle camera outfit includes:

- xlsw Super Wide Angle Camera Body (7301)
- xl Grafflok Back (7305)
- xl Sportsfinder (7361)
- Body Cable Release (7382)

xl-Outfit	Lens Included with Outfit
xl-703 with	47mm Schneider Super Angulon f/8 in MXV-00 Synchro-Compur Shutter (7330)

The xlsw Super Wide Angle Camera is really wide in its coverage. The Schneider 47mm Super Angulon lens covers an angle of view with the 2 $\frac{1}{4}$  x 2 $\frac{3}{4}$  ideal format of 87 degrees. With the 3 $\frac{1}{4}$  x 4 $\frac{1}{4}$  Polaroid® Pack film holder the angle of view jumps to an amazing 104 degrees. It now becomes possible to take the inside of a closet if it becomes necessary, to say nothing of the cramped conference room and all of the important executives.

The xlsw Super Wide is an excellent camera with which to capture some of the more dramatic perspectives so popular in current advertising display. Simply set up at close range and shoot at any angle you choose.

Add a one-inch spacer and you increase the thickness of the camera body to the same dimensions as the xl Standard and immediately all of the xl lenses become adaptable to the Super Wide Angle Camera body.

As with any of the xl cameras you have the choice of working in five different negative sizes or formats . . . with nine different film holders. With the addition of the one-inch spacer all of the eleven lenses available for the xl cameras can be attached.

The xlsw Super Wide Angle Camera body is the only one that will accept the 47mm Schneider Super Wide Angulon Lens.

\*Reg. T.M. Polaroid Corp.

# an **xl** lens for every professional purpose



When you specify Graflex . . . you acquire the world's finest Schneider, Zeiss, and Rodenstock lenses, finest shutters, and the most completely thought-out and pre-designed system of modular components purchasable on a building block principle in the photographic industry. All xl lenses are mounted in a specially designed Compur Shutter. All operating controls are uniformly positioned with all settings visible from the top of the camera.

Graflex lenses permit you to master any photographic assignment. All lenses except the 47mm Schneider Super Angulon and 58mm Rodenstock Grandagon come equipped with the new Rapid Lock Cable Release device that enables you to quick fix the cable release onto the shutter without having to screw it in. A great help when working hastily with a number of lenses or outside on a cold day.

The range of lens focal lengths offered for use with the xl cameras is from 47mm extreme wide angle to 270mm telephoto.

The lenses are all wide aperture, brilliantly designed, constructed of high quality optical glass with superior resolution, contrast, color correction and flatness of field. Each is custom fitted to its xl lens barrel, assuring a rigid, exactly integrated camera-lens system.



# wide angle lenses

## 47mm SCHNEIDER SUPER ANGULON f/8

The recommended extreme wide angle lens for the x1sw camera body. Enjoy the drama and new creative expression that linear perspective exaggeration with Super Wide Angle lenses can provide. Move in close to your subject for big dramatic results... put new dimension in your creative efforts. Perfect for that "wide story picture" in press photography or the unusual view in illustrative photography. The real solution to covering a wide area in cramped quarters. Also useful in the little world of small object photography using the x1rf or x1s camera body and xl spacers.

Diaphragm Range..... f/8 - f/32  
No. Lens Elements..... 6  
Focusing Range (Scale).....  $\infty$  to 1 ft.  
Filter Mount..... 40.5mm thread xl series 8

### SHUTTER: xl compur

Speed Range..... 1 - 1/500 sec. plus B  
Synchronization..... M-X  
Self Timer..... Yes  
Press Focus.....  $\infty$

### ANGLES OF VIEW (Diagonal of Format):

2 1/4 x 2 1/4 (RH/12)..... 79°  
2 1/4 x 2 3/4 (RH/10, 20, 50)..... 87°  
2 1/4 x 3 1/4 (RH/8, Sheet, Film-pack<sup>\*\*\*</sup>)..... 91°  
3 1/4 x 4 1/4 (Polaroid Pack Film<sup>\*\*\*\*</sup>)..... 104°

### CATALOG NUMBER 7330

<sup>o</sup>Ideal format

<sup>oo</sup>Use locking type cable release

<sup>ooo</sup>Nominal

<sup>oooo</sup>x1 lenses are designed for optimum coverage of the 2 1/4 x 2 3/4 (ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid<sup>®</sup>) format.



# wide angle lenses



## 58mm RODENSTOCK GRANDAGON f/5.6

Versatile wide angle lens with excellent sharpness, resolution and contrast for xls and xlr camera bodies—photographers move in with confidence with this 8 element lens. It equips photographers for a variety of assignments, both inside and out. Popular in press and magazine photography—a must for the industrial work, it allows the creative photographer to work close to his subject to create the results demanded by discriminating clients. The entire field of view is completely flat, even at full aperture. Provides remarkably good coverage on Polaroid® picture size.

\*Reg. T.M. Polaroid Corporation

Diaphragm Range . . . . . f/8 to 8/32  
No. Lens Elements . . . . . 8  
Focusing Range (Scale) ∞ - 1½ ft., (Rangefinder) ∞ - 3 ft.  
Filter Mount . . . . . 67mm thread xl series 8

### SHUTTER: xl compur

Speed Range . . . . . 1 - 1/500 sec. plus B  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

### ANGLES OF VIEW (Diagonal of Format):

2¼ x 2¼ (RH/12) . . . . . 68\*  
\*2¼ x 2¾ (RH/10, 20, 50) . . . . . 75\*  
2¼ x 3¾ (RH/8, Sheet, Filmpack\*\*\*) . . . . . 80\*  
3¼ x 4¼ (Polaroid Pack Film\*\*\*\*) . . . . . 92\*

### CATALOG NUMBER 7331

\*Ideal format

\*\*\*Nominal

\*\*\*\*xl lenses are designed for optimum coverage of the 2¼ x 2¾ (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid®) format.

# normal lenses



## 80mm ZEISS PLANAR f/2.8

Diaphragm Range . . . . . f/2.8 to f/22  
No. Lens Elements . . . . . 5  
Focusing Range (Scale) . . . . .  $\infty$  - 2 1/2 ft.  
Focusing Range (Rangefinder) . . . . .  $\infty$  - 3 ft.  
Filter Mount . . . . . 49mm thread xl series 8

**SHUTTER:** xl Compur  
Speed Range . . . . . 1 - 1/400 sec. plus T and B  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

**ANGLES OF VIEW (Diagonal of Format):**  
2 1/4 x 2 1/4 (RH/12) . . . . . 52°  
\*2 1/4 x 2 3/4 (RH/10, 20, 50) . . . . . 58°  
2 1/4 x 3 1/4 (RH/8, Sheet, Film-pack\*\*) . . . . . 62°  
3 1/4 x 4 1/4 (Polaroid Pack Film\*\*\*) . . . . . 74°

**CATALOG NUMBER 7332**

\*Ideal format  
\*\*Nominal  
\*\*\*xl lenses are designed for optimum coverage of the 2 1/4 x 2 3/4 (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid\*) format.



## 80mm RODENSTOCK HELIGON f/2.8

Diaphragm Range . . . . . f/2.8 to f/32  
No. Lens Elements . . . . . 6  
Focusing Range (Scale) . . . . .  $\infty$  - 2.5 ft.  
Focusing Range (Rangefinder) . . . . .  $\infty$  - 3 ft.  
Filter Mount . . . . . 40.5mm thread xl series 8

**SHUTTER:** xl Compur  
Speed Range . . . . . 1 - 1/500 sec. plus B  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

**ANGLES OF VIEW (Diagonal of Format):**  
2 1/4 x 2 1/4 (RH/12) . . . . . 52°  
\*2 1/4 x 2 3/4 (RH/10, 20, 50) . . . . . 58°  
2 1/4 x 3 1/4 (RH/8, Sheet, Film-pack\*) . . . . . 62°  
3 1/4 x 4 1/4 (Polaroid Pack Film\*\*\*) . . . . . 74°

**CATALOG NUMBER 7339**

\*Ideal format  
\*\*Nominal  
\*\*\*xl lenses are designed for optimum coverage of the 2 1/4 x 2 3/4 (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid\*) format.

80mm is the "standard" focal length for most wedding photography, comparing in angular coverage with 127-135mm lenses on 4 x 5. Most press and editorial photographers prefer the moderate wide field of the "short" normal lens since it permits them to "get inside" and to make better use of flash.

Two excellent 80mm f/2.8 lenses are available: Choose either the well known Zeiss Planar or the newer Rodenstock Heligon; For photographers who need a "1 lens" wedding outfit the 80mm Rodenstock Heligon f/2.8 is recommended for its surprisingly excellent performance at a modest price.

When the ultimate in color correction, resolution and contrast dictate the buying of the very best, select the 80mm Zeiss Planar f/2.8.

# normal lenses



## 95mm RODENSTOCK YSAREX f/3.5

A budget priced universal lens of popular 4 element design, this lens has ample speed for the majority of normal uses and is recommended to complement most xl Camera Systems. The Ysarex lens represents the optimum for its type lens where no extreme optical data are required. Like all lenses in the Rodenstock family, this lens is constructed of fine optical glasses and the photographer enjoys complete freedom from chromatic aberrations with an illumination distribution as uniform as possible from image center to the corners.

It's an excellent lens for the photographer to achieve an all-around capability or a personal fun photographic system. Angle of view in the "ideal format" is 50°.

Diaphragm Range . . . . . f/3.5 - f/32  
No. Lens Elements . . . . . 4  
Focusing Range (Scale) ∞ - 3 1/2 ft. (Rangefinder) ∞ - 3 1/2 ft.  
Filter Mount . . . . . 40.5mm thread xl series 8

### SHUTTER: xl Compur

Speed Range . . . . . 1 - 1/500 sec. plus B  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

### ANGLES OF VIEW (Diagonal of Format):

2 1/4 x 2 1/4 (RH/12) . . . . . 45°  
2 1/4 x 2 3/4 (RH/10, 20, 50) . . . . . 50°  
2 1/4 x 3 1/4 (RH/8, Sheet Filmpack) . . . . . 54°  
3 1/4 x 4 1/4 (Polaroid) . . . . . 62°

### CATALOG NUMBER 7338

\*xl lenses are designed for optimum coverage of the 2 1/4 x 2 3/4 (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid\*) format.

# normal lenses

## 95mm RODENSTOCK HELIGON f/2.8

The professional design of this high quality 6 element lens is particularly recognized for its great contrast range at full aperture. It's a superior performing lens with medium focal length, large maximum aperture and great depth of focus. Lightweight, easy to handle, this normal focal length lens has an angle of view of 50° in the "ideal format."

The great range of contrast of the Rodenstock Heligon Lens enables the photographer to produce negatives that enlarge remarkably well. It's an excellent standard lens for press and general photography . . . a versatile addition to industrial and aerial xl photographic systems.

Diaphragm Range . . . . . f/2.8 - f/22  
No. Lens Elements . . . . . 6  
Focusing Range (Scale) ∞ - 3½ ft. (Rangefinder) ∞ - 3½ ft.  
Filter Mount . . . . . 49mm thread xl series 8

### SHUTTER: xl Compur

Speed Range . . . . . 1 - 1/400 sec. plus T and B  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

### ANGLES OF VIEW (Diagonal of Format):

2¼ x 2¼ (RH/12) . . . . . 45°  
2¼ x 2¾ (RH/10, 20, 50) . . . . . 50°  
2¼ x 3¼ (RH/8, Sheet Filmpack) . . . . . 54°  
3¼ x 4¼\* (Polaroid) . . . . . 62°

### CATALOG NUMBER 7333

\*xl lenses are designed for optimum coverage of the 2¼ x 2¼ (ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid\*) format.



# normal lenses



## 100mm ZEISS TESSAR f/3.5

This is the "correct" focal length for the 2 1/4 x 2 3/4 (Ideal) format. Permits sufficient distance between camera and subject to insure good perspective. 100mm lenses minimize linear distortion sometimes obtained with shorter lenses. Excellent for photography by police or fire departments use in recording on-the-spot events. These lenses are well suited for news photography and most general photographic applications.

When moderate speed and general all-around performance is the requirement — or when the Polaroid\* pack film holder is to be used extensively, the 100mm Zeiss Tessar is recommended.

The 100mm Zeiss Planar provides greater light gathering power at full aperture and is recommended when low light levels may be encountered. Designed for optimum performance with the 2 1/4 x 2 3/4, ideal RH/10, 20, 50 negative format.

Diaphragm Range . . . . . f/3.5 to f/32  
 No. Lens Elements . . . . . 4  
 Focusing Range (Scale) . . . . . ∞ - 3 1/2 ft.  
 Focusing Range (Rangefinder) . . . . . ∞ - 3 1/2 ft.  
 Filter Mount . . . . . 40.5mm thread xl series 8

**SHUTTER:** xl Compur  
 Speed Range . . . . . 1 - 1/500 sec. plus B  
 Synchronization . . . . . M-X  
 Self Timer . . . . . Yes  
 Press Focus . . . . . Yes

**ANGLES OF VIEW** (Diagonal of Format):  
 2 1/4 x 2 1/4 (RH/12) . . . . . 43°  
 \*2 1/4 x 2 3/4 (RH/10, 20, 50) . . . . . 48°  
 2 1/4 x 3 1/16 (RH/8, Sheet,  
 Film-pack\*\*) . . . . . 52°  
 3 1/4 x 4 1/4 (Polaroid Pack Film) . . . . . 61°

**CATALOG NUMBER 7335**

\*Ideal format  
 \*\*Nominal



## 100mm ZEISS PLANAR f/2.8

Diaphragm Range . . . . . f/2.8 to f/22  
 No. Lens Elements . . . . . 5  
 Focusing Range (Scale) . . . . . ∞ - 3 1/2 ft.  
 Focusing Range (Rangefinder) . . . . . ∞ - 3 1/2 ft.  
 Filter Mount . . . . . 58mm thread xl series 8

**SHUTTER:** xl Compur  
 Speed Range . 1 - 1/400 sec. plus T and B  
 Synchronization . . . . . M-X  
 Self Timer . . . . . Yes  
 Press Focus . . . . . Yes

**ANGLES OF VIEW** (Diagonal of Format):  
 2 1/4 x 2 1/4 (RH/12) . . . . . 43°  
 \*2 1/4 x 2 3/4 (RH/10, 20, 50) . . . . . 48°  
 2 1/4 x 3 1/16 (RH/8, Sheet,  
 Film-pack\*\*) . . . . . 52°  
 3 1/4 x 4 1/4 (Polaroid Pack Film\*\*\*) . . . . . 61°

**CATALOG NUMBER 7334**

\*Ideal format  
 \*\*Nominal  
 \*\*\*xl lenses are designed for optimum coverage of the 2 1/4 x 2 3/4 (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid\*) format.

# normal lenses

## 150mm RODENSTOCK YSAREX f/4.5

Ideal "long" normal lens for head and shoulder portraits, allows filling the entire negative at the best working distances for good portrait perspective. Excellent choice when a moderately long focal length lens is needed for general photography of products, inside or out. Preferred by many for editorial coverage of meetings and seminars for publication, permitting the photographer to work from the meeting perimeter. Excellent quality at a moderate price—range-finder focus limited to 8 feet.

Diaphragm Range . . . . . f/4.5 to 3/32  
No. Lens Elements . . . . . 4  
Focusing Range (Scale)  $\infty$  - 7 ft., (Rangefinder)  $\infty$  - 8 ft.  
Filter Mount . . . . . 49mm thread xl series 8

**SHUTTER:** xl Compur  
Speed Range . . . . . 1 - 1/400 plus B and T  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

**ANGLES OF VIEW** (Diagonal of Format):  
2 $\frac{1}{4}$  x 2 $\frac{1}{4}$  (RH/12) . . . . . 30°  
\*2 $\frac{1}{4}$  x 2 $\frac{3}{4}$  (RH/10, 20, 50) . . . . . 33°  
2 $\frac{1}{4}$  x 3 $\frac{1}{16}$  (RH/8, Sheet, Filmpack\*\*) . . . . . 36°  
3 $\frac{1}{4}$  x 4 $\frac{1}{4}$  (Polaroid Pack Film\*\*\*) . . . . . 44°

### CATALOG NUMBER 7336

° Ideal format  
°° Nominal  
°°° xl lenses are designed for optimum coverage of the 2 $\frac{1}{4}$  x 2 $\frac{3}{4}$  (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid®) format.



# telephoto lenses



## 180mm ZEISS SONNAR f/4.8

The creative world of advertising photography—illustrative, mood, fashion, product shots—is dramatically interpreted with the 180mm Zeiss Sonnar f/4.8 lens and the xl camera systems. Bridge the "distance barrier" with this lens for large images of distant objects. It adds a new dimension of portability, lightness of weight and balance to long lens photography. Diaphragm "click-stopped" at  $\frac{1}{2}$  stop intervals from f/4.8 - f/45.

Diaphragm Range . . . . . f/4.8 to f/45  
 No. Lens Elements . . . . . 5  
 Focusing Range (Scale)  $\infty$  - 10 ft. (Rangefinder)  $\infty$  - 10 ft.  
 Filter Mount . . . . . 67mm thread xl series B

**SHUTTER:** Special xl Compur  
 Speed Range . . . . . 1 - 1/400 plus B  
 Synchronization . . . . . M-X  
 Self Timer . . . . . Yes  
 Press Focus . . . . . Yes

**ANGLES OF VIEW (Diagonal of Format):**  
 $2\frac{1}{4} \times 2\frac{1}{4}$  (RH/12) . . . . . 24°  
 $2\frac{1}{4} \times 2\frac{3}{4}$  (RH/10, 20, 50) . . . . . 28°  
 $2\frac{1}{4} \times 3\frac{1}{4}$  (RH/8, Sheet, Filmpack\*\*) . . . . . 30°  
 $3\frac{1}{4} \times 4\frac{1}{4}$  (Polaroid Pack Film\*\*\*) . . . . . 36°

### CATALOG NUMBER 7337

\*Ideal format  
 \*\*Nominal  
 \*\*\*xl lenses are designed for optimum coverage of the  $2\frac{1}{4} \times 2\frac{3}{4}$  (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid<sup>®</sup>) format.



# telephoto lenses



## 270mm RODENSTOCK ROTELAR f/6.6

The 270mm Rodenstock Rotelar lens is a high speed telephoto lens intended for long distance photography of subject matter which can be prefocused. A lightweight, delicately balanced lens blending brilliance, high resolution and excellent contrast, the Rotelar lens provides a magnification of 3.5x that of an 80mm lens such as is normally used. Designed for long distance photography, this 270mm xl telephoto lens is highly recommended for aerial and sports photography. The Rotelar lens permits ground glass focusing to 20 feet and the angle of the "ideal format" is 19°

Diaphragm Range . . . . . f/6.6 - f/45  
No. Lens Elements . . . . . 5  
Focusing Range (Scale) . . . . . ∞ - 20 ft.  
Filter Mount . . . . . 58mm thread xl series 8

**SHUTTER:** xl Compur  
Speed Range . . . . . 1 - 1/500 plus B  
Synchronization . . . . . M-X  
Self Timer . . . . . Yes  
Press Focus . . . . . Yes

**ANGLES OF VIEW (Diagonal of Format):**  
2¼ x 2¼ (RH/12) . . . . . 17°  
2¼ x 2¾ (RH/10, 20, 50) . . . . . 19°  
2¼ x 3¼ (RH/8, Sheet Film Pack\*\*) . . . . . 20°  
3¼ x 4¼ (Polaroid Pack Film\*\*\*) . . . . . 25°

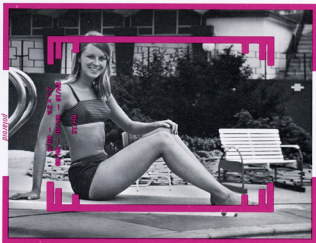
\*Ideal format

\*\*Nominal

\*\*\*xl lenses are designed for optimum coverage of the 2¼ x 2¾ (ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid\*) format.

## five film formats (sizes)...it's like having five different cameras.

Now you can create in five formats to fulfill the requirements of any assignment. Graflex Rapid-vance roll film holders, sheet film holders and magazines, film pack adapters or Polaroid® pack film holders are easy to use, economical to own, and extremely versatile. The Graflex film holding devices enable you to quick-change from black and white, to color, to sheet film . . . to slow speed; to fast speed . . . to . . . whatever you have to change . . . without loss of time or waste of film. The built-in dark slide in all film holding devices makes it possible . . . economical . . . practical. With Graflex . . . you get the largest variety of film formats ever offered with a single camera.



## 9 film holders to make the xl versatile...

There are 5 different roll film holders. You can change film type or format quickly and effortlessly. Just remove one film holder and replace with another, even if you haven't finished a roll. There's no loss of film, no spoiled negatives. You can change holders in seconds in broad daylight without fear of fogging film or losing exposures. The built-in dark slide makes it possible . . . economical . . . practical. Each Rapid Vance roll film holder has a notation panel, color keyed dark slide, interchangeable, reversible carriages, automatic film counter and thumb lever advance with a safety lock.



RH/50 70mm Roll Film Holder, fifty exposures  
2 1/4" x 2 3/4" ..... Cat. No. 7351

- RH/8, 120 film holder, 8 exposures 2 1/4" x 3 1/8" Cat. No. 1252
- RH/10, 120 film holder, 10 exposures 2 1/4" x 2 3/4" Cat. No. 1253
- RH/12, 120 film holder, 12 exposures 2 1/4" x 2 3/4" Cat. No. 1254
- RH/20, 220 film holder, 20 exposures 2 1/4" x 2 3/4" Cat. No. 1258
- RH/50, 70mm film holder, 50 exposures 2 1/4" x 2 3/4" Cat. No. 7351

Sheet film holders are compact, light weight, and hold film with the precision required to get the best out of quality lenses.

Grafmatic sheet film magazines hold six sheets of film in space barely thicker than a sheet film holder. Change film rapidly with a push-pull action.

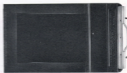
Graphic film pack adapters are light tight, permit daylight loading, provide 16 exposures in approximately the same space as an ordinary 2-sheet film holder. The Polaroid® pack film holders speak for themselves . . . pictures in ten seconds (color in sixty seconds). Use it to make quick record photos or check composition before you make the final shot.



Grafmatic Sheet Film Magazine, six sheets  
2¼ x 3¼ ..... Cat. No. 1266



Graphic Film Pack Adapter, sixteen sheets  
2¼ x 3¼ ..... Cat. No. 1232



Graphic Sheet Film Holder, two sheets  
2¼ x 3¼ ..... Cat. No. 1212



Polaroid® Pack Film Holder, eight exposures  
3¼ x 4¼ ..... Cat. No. 7350

With flexibility like this . . . your ability will be enhanced. You can pick the best type or types of film for a specific job and enjoy the benefits of easier adaptation to unexpected conditions along with the savings made possible by minimizing wasted film.

**The right film . . . the right format . . . the right characteristics. Result: Professional Quality.**

\*Reg. T.M. Polaroid Corp.

# professional duty accessories



**TR III Professional Tripod**—Designed for professionals by professionals. Featuring . . . twin shank upper leg support . . . double pan tilt controls . . . set-sleeve and screw-leg lock control . . . camel feet to grip any surface . . . exclusive friction lock, side tilt lock device . . . black and bright metal finish. Easy to carry . . . extra strength and stability, plus the versatility of quick connect attachments. The reversible center column is instantly removable and can be inserted from the underside for low angle shots. Opens to 74 inches, closes to 38½ and weighs only 8 pounds.

**TR III Professional Tripod . . . Cat. No. 4532**

**TR II DeLuxe Tripod**—3 directional pan head . . . camel foot leg feet . . . air cushioned center column . . . flip lock leg control . . . side and vertical tilt . . . sturdy and lightweight. Accepts all Graflex accessories.

**TR II DeLuxe Tripod . . . . . Cat. No. 4531**

**TR I Executive Tripod**—Lightweight . . . all purpose . . . 3 directional pan head. Flip-lock leg lock control . . . rubber tipped feet. One inch diameter center column is removable and reversible for low angles . . . complete with camera guide-on adapter.

**TR I Executive Tripod . . . . . Cat. No. 4530**

**NEW Cable Release RAPID-LOCK:** End-fumbling forever . . . cuts lens changing time. Positive attachment of cable release. Simply insert cable release tip into socket on shutter . . . it locks in place automatically . . . press the release lever, it's detached.

xl Cable release rapid lock can be installed on your xl lens by Graflex service departments.

**Note:**

**Cat. No. 7395**

*47mm Schneider Super Angulon and the 58mm Rodenstock Grandagon lenses do not accept the Rapid Lock Cable Release feature.*



**13 inch xl Professional Duty Cable Release and Holder:** Features long swivel tip for easy attachment to shutter . . . kink resistant Coroplast covering resists dirt and wear. Holder attaches to body of all xl cameras providing convenient body release action. . . . . **Cat. No. 7382**

**xl Professional Duty Cable Releases:** Designed for smooth action and long life . . . equipped with long swivel tip for easy attachment to shutter . . . Coroplast covering is dirt and moisture resistant—virtually kink proof.

18 inch . . . . . **Cat. No. 7394**

13 inch . . . . . **Cat. No. 7392**

18 inch locking type for time exposures with "B" Shutters . . . . . **Cat. No. 7393**





**xl Graflok Back:** Attaches directly to back of all xl cameras providing the base for all focusing panels and most film holders. Reversible for right or left hand operation. . . . . **Cat. No. 7304**



**xl Graflok Back Complete:** Includes Graflok back, Focusing panel with limit lines less Ektalite and the Removable xl viewing hood. . . . . **Cat. No. 7305**



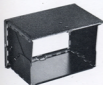
**xl FOCUSING PANELS:** For critical ground glass focusing and composition. Select the type that best suits your needs.

**With Grid Lines and Ektalite field lens** for critical composition and observation of parallel lines. . . . . **Cat. No. 9276**

**With limit lines ground glass** rulings define area for ideal format ( $2\frac{1}{4} \times 2\frac{1}{4}$ ) and RH/12 ( $2\frac{1}{4} \times 2\frac{1}{4}$ ) roll film holders.

Less Ektalite. . . . . **Cat. No. 9283**

With Ektalite. . . . . **Cat. No. 9284**



**xl Viewing Hood:** Removable, all metal hood fits all xl focusing panels—four sided hood opens and closes easily with one hand. . . . . **Cat. No. 9145**



**Quick Focus Lever:** Fits over focusing ring of xl cameras permitting fast fingertip focusing. A must when shooting follow-action events. . . . . **Cat. No. 7349**



**xl Multi-Grip:** Scientifically hand-contoured grip complete with cable release for maximum comfort and handling stability permits multiple-position mounting to camera. Position at any angle—to the side or below the camera. Choose the mounting position that best suits shooting conditions for the surest, steadiest, safest camera holding.

With Left side Mounting Bracket  
. . . . . **Cat. No. 7383**

With Right side Mounting Bracket  
. . . . . **Cat. No. 7386**

## professional duty accessories



**Sportsfinders:** xl wire frame sportsfinders are constructed of stainless music wire with V-shaped bearings for self-alignment. Nearly indestructible, they slip snugly into the standard accessory shoe at the top of each xl camera. Clip-on plexiglass sportsfinder masks are accepted to define different format coverages.

For xlsw Super Wide Angle Camera . . . . . **Cat. No. 7361**

For xlrif Rangefinder and xls Standard Cameras . . . . . **Cat. No. 7362**



**Sportsfinder Masks:** Clip onto xl sportsfinders to define area of view. Constructed of break-resistant polished plexiglass with bold black markings.

For xlsw Super Wide Angle Camera with Polaroid® Pack film holder . . . . . **Cat. No. 7363**

For xlrif or xls Camera with Polaroid® pack film holder . . . . . **Cat. No. 7364**

For xlrif or xls Cameras with RH/10, RH/20, or RH/50 roll film holder . . . . . **Cat. No. 7365**

For xlrif or xls Cameras with RH/12 roll film holders . . . . . **Cat. No. 7366**



**xl Vulcanoid Carrying Case:** Handy, rugged and light-weight. The Vulcanoid carrying case is specially designed for xl cameras. Made of durable vulcanoid. Movable compartment partitions permit variety of items to be stored to meet individual photographers requirements. . . . . **Cat. No. 7373**



**xl Shoulder carrying case:** Handsome black leather Case with padded shoulder strap compartmented for cameras, 2 extra lenses, film holders and variety of accessories. **Cat. No. 7372**



**xl Lens Case:** This case is made for the 180mm telephoto lens. It has movable partitions and can be used to carry two normal lenses or a lens and a selection of filters. Strap loops permit carrying on belt or gadget bag strap. . . . . **Cat. No. 7377**



**xl Hand Case, small:** Specially designed hand case no larger than a business brief. Die cut urethane foam cells hold camera, lens, multigrip, film holder and small accessories snugly within its tough Boltaron outer hide. . . . . **Cat. No. 7370**

**Graflite Jr.: 2 Cell with 5" reflector and heavy duty mounting clamps.**

. . . . . **Cat. No. 2852**



**ASA Bipost Synchronized Shutter Cords:** for use with xl flash bracket.

20 inch straight

. . . . . **Cat. No. 2701**

36 inch expand-o-cord

. . . . . **Cat. No. 2810**



**xl Flash bracket:** Attaches to left or right of xl camera. Permits use of Graflite flash equipment or Strobflash mounting tube with heavy duty clamps. Exclusive strain relief cord is anchored to the bracket to remove all possible strain from the shutter contact

when moving the flash. Requires use of ASA double post shutter cord (2701

20 inch straight flash cord or 2810 36 inch expand-o-cord).

. . . . . **Cat. No. 7491**



**Cap Cord (Din. Fitting for Compur Shutter)**

20 inch straight

. . . . . **Cat. No. 2721**

36 inch expand-o-cord

. . . . . **Cat. No. 2821**



# xl lens attachments

End costly duplication of lens attachments—all xl lenses accept the same series 8 lensshade filter and retaining ring. Just select the proper adapter ring for each lens used.



**xl Retaining Ring:** for xl adapter rings. **Cat. No. 7465**



**Adapter Rings:** Accept all Series 8 Filters for attachment to specified lens.

**Cat. No. 7453**  
—for 40.5mm thread

**Cat. No. 7454**  
—for 49mm thread

**Cat. No. 7455**  
—for 58mm thread

**Cat. No. 7456**  
—for 57mm thread



**xl Lensshade and Filter Holder:** For all xl lenses. Holds xl series 8 filters. Attaches to front thread of proper adapter ring or attaches directly to xl sky 1A filters eliminating need for separate adapter ring. Unique friction grip permits positioning Lensshade squarely regardless of thread variation. Rectangular design permits use with the widest angle lens with widest film format without fear of cut off, yet with full assurance of proper shading. . . . . **Cat. No. 7450**



**Sky 1A Filters.** For better contrast with black and white film and better color saturation with color film. Can be used as a transparent protective lens cap. Adapter ring and retaining ring are built-in.

**Cat. No. 7458**—for 40.5mm thread

**Cat. No. 7459**—for 49mm thread

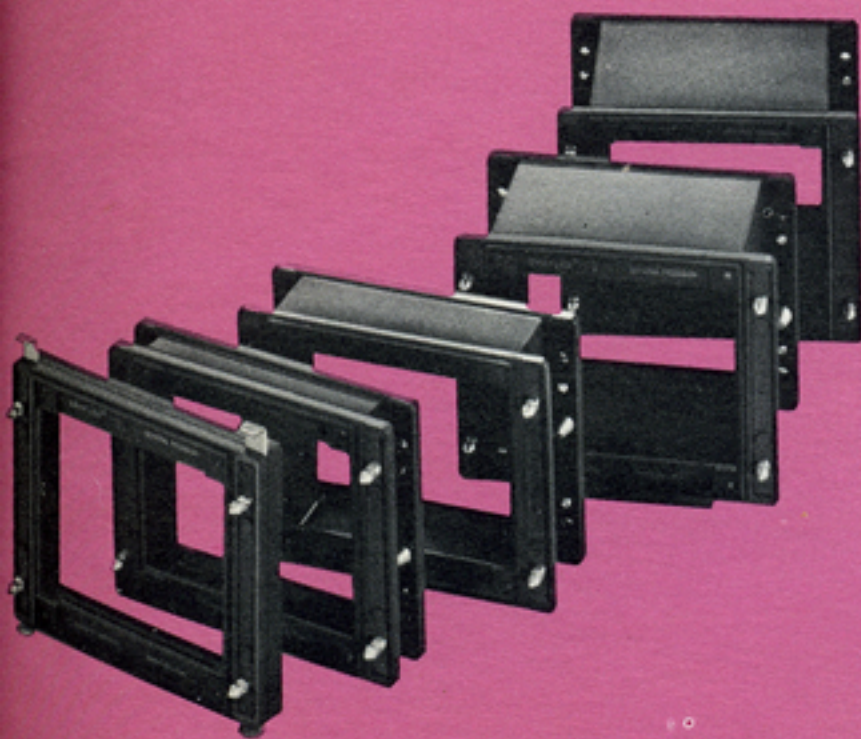
**Cat. No. 7460**—for 58mm thread

**Cat. No. 7461**—for 67mm thread



**Series 8 Filters:** Made of high quality laminated optical glass, Thermo-Bonded, precisely ground and polished. One size . . . slip in proper size adapter ring to fit any xl lens. **Cat. No. 7480**—Yellow; **Cat. No. 7481**—Orange; **Cat. No. 7482**—85B; **Cat. No. 7483**—85C; **Cat. No. 7484**—85; **Cat. No. 7485**—Red; **Cat. No. 7486**—Green.

**xl Spacers:** Easy to attach spacers add extra lens-to-film spacing in precise modules. Attach between Graflok back and camera body with exclusive Graflex four pin safety lock system. Build rigid, light-tight camera units of any desired length, for close-up, Macro or Micro photography.



**Object To Image Reproduction Ratio With xlsw Camera Body**

LENS	½" Spacer	1" Spacer	1½" Spacer	3" Spacer	3¾" Spacer
47mm	3.4:1 to 1.7:1	1.9:1 to 1.2:1	1.2:1 to 0.9:1	0.6:1 to 0.5:1	0.5:1 to 0.4:1

\*Catalog Number 7322—1" spacer converts xlsw Body to accept all xl lenses.

**Object To Image Reproduction Ratio With xlrif or xls Camera Bodies**

LENS	½" Spacer	1" Spacer	1½" Spacer	3" Spacer	3¾" Spacer
58mm	4.2:1 to 2.1:1	2.4:1 to 1.5:1	1.5:1 to 1.1:1	0.8:1 to 0.6:1	0.6:1 to 0.5:1
80mm	5.8:1 to 2.9:1	3.3:1 to 2.1:1	2.1:1 to 1.5:1	1.1:1 to 0.9:1	0.8:1 to 0.7:1
95mm	7.0:1 to 3.5:1	4.0:1 to 2.6:1	2.5:1 to 1.9:1	1.3:1 to 1.1:1	1.0:1 to 0.9:1
100mm	7.2:1 to 3.6:1	4.1:1 to 2.6:1	2.6:1 to 1.9:1	1.3:1 to 1.1:1	1.1:1 to 0.9:1
150mm	10.6:1 to 5.3:1	5.8:1 to 3.0:1	3.9:1 to 2.9:1	1.9:1 to 1.7:1	1.5:1 to 1.4:1
180mm	13.0:1 to 6.5:1	7.5:1 to 4.8:1	4.7:1 to 3.5:1	2.4:1 to 2.0:1	1.9:1 to 1.7:1
270mm	19.5:1 to 10.2:1	11.2:1 to 7.3:1	7.3:1 to 5.3:1	3.5:1 to 3.0:1	2.8:1 to 2.5:1

- ½" Length permits medium close working range with all lenses. . . . . **Cat. No. 7321**
- 1" Length close-up with all lenses—use with xlsw camera body to convert to standard camera capability permitting use of full range of lenses—ground glass focusing is recommended. . . **Cat. No. 7322**
- 1½" Length For intermediate extreme close-up work. . . . . **Cat. No. 7323**
- 3" Length For 1:1 photography with 80mm lenses. . . . . **Cat. No. 7326**
- 3¾" Length For 1:1 photography with 100mm lenses. . . . . **Cat. No. 7327**
- Custom Lengths Spacers to meet your exact requirements are available—write to Graflex Customer Service Department giving full details for quotation.



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