

xl Rangefinder Camera Outfit

For the pro on the go. A precision coupled rangefinder camera outfit that's responsive, lightweight, easy to handle. Unmatched for candid assignments, weddings, fashion shows, news beats, portraits—hand-held or tripod mounted. Order the basic outfit as is, or with any one of the lenses listed below. Add your choice of formats, film holders and other accessories. Your Rangefinder becomes a custom-designed precision tool with unchallenged reliability.

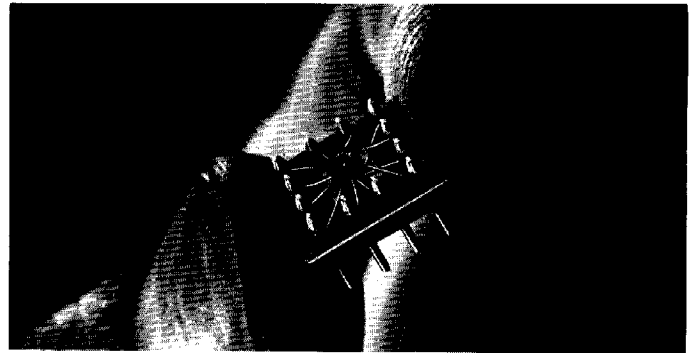
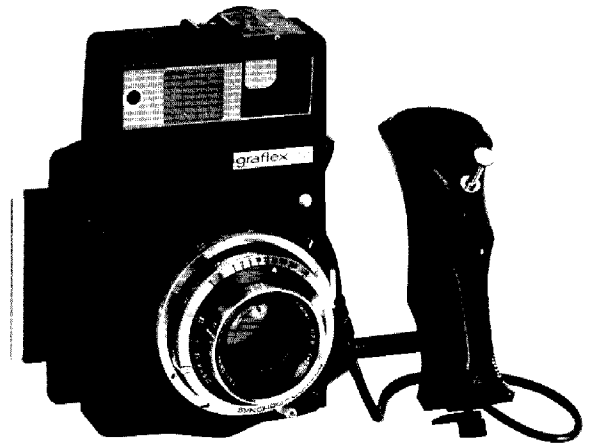
Basic outfits with indicated lenses include:

xlf Camera Body (7303)
xl Graflok Back (7305)
xl Multi-Grip (7383)

Optional lenses available with basic outfit above:

With 100mm Noritar f/3.5 Lens (Outfit # xl-710)
With 80mm Zeiss Planar f/2.8 Lens (Outfit # xl-705)
With 100mm Zeiss Planar f/2.8 Lens (Outfit # xl-706)
With 80mm Noritar f/2.8 Lens (Outfit # xl-724)

NOTE: Also ask your Graflex dealer about special combinations.



xl Super Wide Angle Camera Outfit

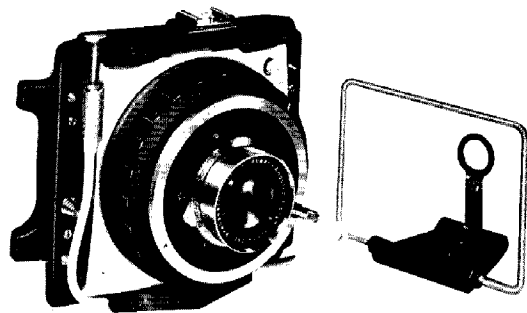
The camera no professional can afford to be without. Gives you the widest angle possible in medium and large format cameras. The Schneider 47mm Super Angulon lens covers an angle of view with 2¼" x 2¾" ideal format of 87°. The 3¼" x 4¼" Polaroid* pack film holder jumps it to an amazing 104°. Enough to shoot in a closet or cramped conference room. The xlsw Super Wide is ideal for dramatic advertising display perspectives. Simply set up at close range and shoot at any angle you choose. Choose from five negative sizes or formats. The xlsw camera body is the only one that accepts the 47mm Schneider Angulon Lens.

*Reg. T.M. Polaroid Corp.

The xl-703 Super Wide Angle Camera Outfit includes:

xlsw Camera Body (7301)
xl Lens—47mm Schneider Super Angulon f/8 (7330)
xl Graflok Back (7305)
xl Sportsfinder (7361)
Body Cable Release (7382)

NOTE: When fitted with a one-inch xl spacer, all lenses and applications of the xls Standard become possible with the xlsw Super Wide Angle Camera.



xl Standard Camera Outfit

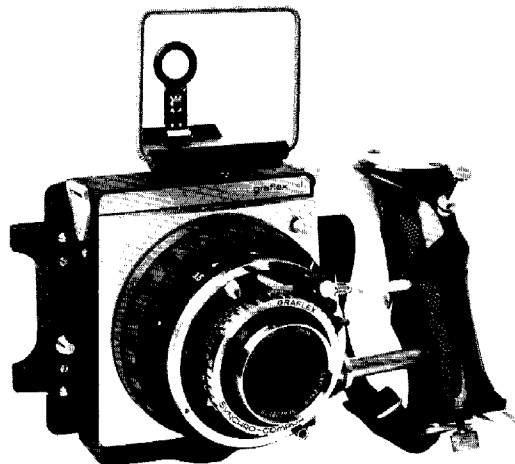
For tripod, laboratory, or ground glass use. Similar to xl Rangefinder, but without the coupled rangefinder. Focus and compose on ground glass, or with focusing scale and sports-type viewfinder. Attach the multi-grip and it becomes a candid unit. Choose from the world's finest lenses, specifically selected for the xl. Use for Macro, micro, telephoto, wide angle, or normal assignments. Work with any of eight film holders. Rigid housing and rugged design eliminate vibrations associated with fluttering and shaky bellows.

The xl-716 Standard Camera Outfit includes:

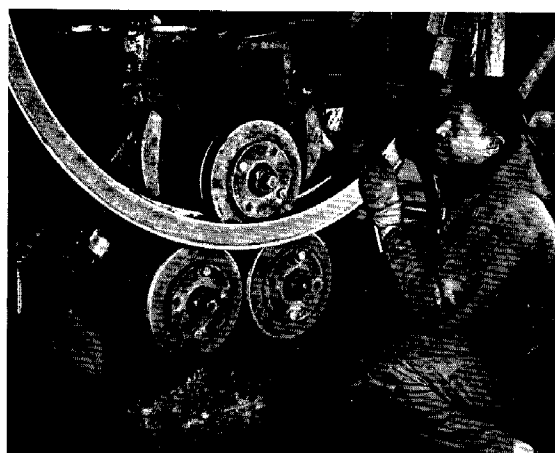
- xls Camera Body (7302)
- xl Lens—100mm Zeiss Planar f/2.8
- xl Graflok Back (7305)
- xl Multi-Grip (7383)
- xl Sportsfinder (7362)
- xl Sportsfinder Mask (7365)

Same basic camera outfit with optional lenses:

- With 58mm Rodenstock Grandagon f/5.6 Lens (7331)
- With 80mm Zeiss Planar f/2.8 Lens (7332)
- With 100mm Zeiss Planar f/2.8 Lens (7334)
- With 150mm Rodenstock Ysarex f/4.5 Lens (7336)
- With 180mm Rodenstock Rotelar f/4.5 Lens (7340)
- With 270mm Rodenstock Rotelar f/6.6 Lens (7341)
- With 80mm Noritar f/2.8 Lens (7343)
- With 100mm Noritar f/3.5 Lens (7344)



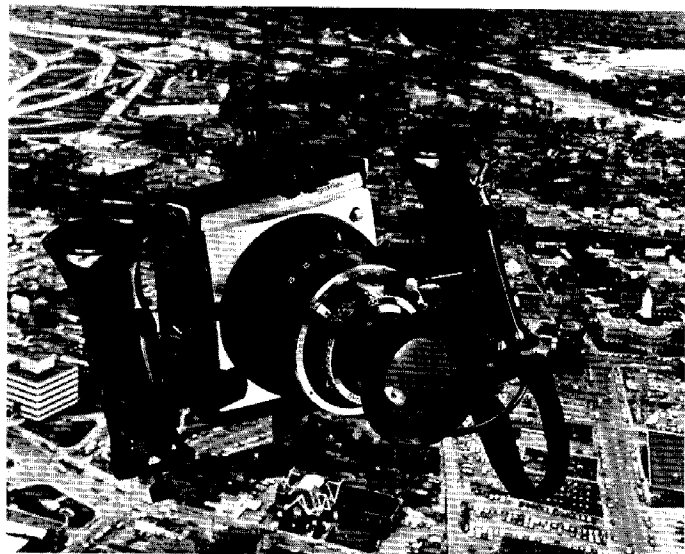
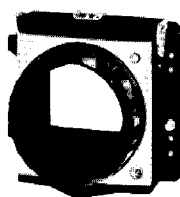
xl 702



xl Aerial Camera Outfit

The xl-777 Aerial Camera Outfit includes:

- xls Standard Camera Body (Cat. No. 7302)
- 1/500 second Compur Shutter
- 180mm Rotelar f/4.5 Lens
- Aerial Viewfinder
- Twin Handle Grips
- Sky Filter
- Neck Strap



Wide Angle

47 Schneider Super Angulon f/8

For extreme wide angle work with the xlsw camera body only. Records the full subject on negative, and thereby eliminates cutting out important areas because of lack of true wide angle coverage. Also the lens linear perspective exaggeration makes possible great creative expressions. You can shoot close-ups with dramatic effect. Take wide-story press photographs, unusual illustrative views, or cover a wide area in cramped quarters. Use with xlrif or xls camera body and xl spacers for small-object photography. Perfect lens for large group or sports action shots.

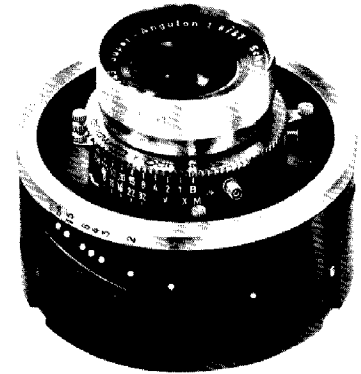
Diaphragm Range f/8 to f/32
 No. Lens Elements 6
 Focusing Range (Scale) ∞ to 1 ft.
 Filter Mount 40.5mm thread xl series 8

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

ANGLES OF VIEW (Diagonal of Format):
 2¼ x 2¼ (RH/12) 79°
 *2¼ x 2¾ (RH/10, 20, 50) 87°
 2¼ x 3-1/16 (RH/8, Sheet, Film-pack***)
 3¼ x 4¼ (Polaroid Pack Film****) 104°

CATALOG NUMBER 7330

*Ideal format
 **Use locking type cable release (Cat. No. 7393)
 ***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.
 †Reg. T.M. Polaroid Corp.



58mm Rodenstock Grandagon f/5.6

Versatile 8-element wide angle lens with excellent sharpness, resolution and contrast. Ideal for press, magazine, interior industrial photography with xl Standard and xl Rangefinder camera bodies. Lets you work close to subject for highly creative shots. Entire field of view is flat, even at full aperture. Excellent coverage, even on Polaroid* picture size (approximately).

*Reg. T.M. Polaroid Corp.

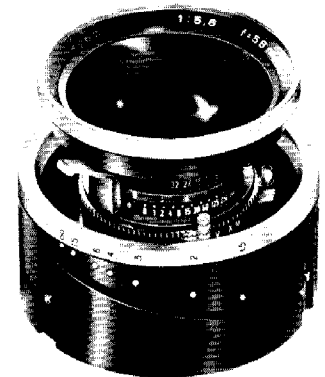
Diaphragm Range f/8 to 8/32
 No. Lens Elements 8
 Focusing Range (Scale) ∞—1½ ft. (Rangefinder) ∞—3 ft.
 Filter Mount 67mm thread xl series 8

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 3-1/16 (RH/8, Sheet, Film-pack***)
 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.



Telephoto Lenses

180mm Rodenstock Rotelar f/4.5

For landscapes, head and shoulder portraits, and sports illustrations. Bridges the "distance barrier" for large images of distant objects. Used for aerial photography with 1/500 shutter speed. Gives new portability, lightness, and balance to long lens photography. Diaphragm click-stopped at 1/2 stop intervals from f/4.5 to f/45.

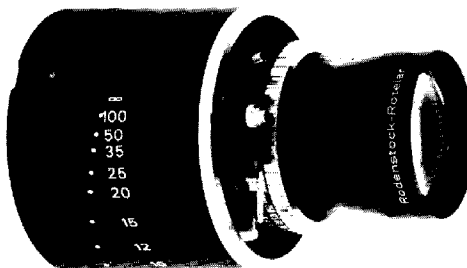
Diaphragm Range f/4.8 to f/45
 No. Lens Elements 5
 Focusing Range (Scale) ∞—10 ft. (Rangefinder) ∞—10 ft.
 Filter Mount 49 mm thread xl series 8

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) 24°
 *2¼ x 2¾ (RH/10, 20, 50) 28°
 2¼ x 3⅞ (RH/8, Sheet, Fimpack**) 30°
 3¼ x 4¼ (Polaroid Pack Film***) 36°

CATALOG NUMBER 7340

*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.
 †Reg. T.M. Polaroid Corp.



270mm Rodenstock Rotelar f/6.6

High-speed telephoto lens for long distance shots of subjects which can be prefocused. Recommended for aerial and sports photography. Lightweight, delicately balanced. Blends brilliance, high resolution, and excellent contrast. Magnification 3.5x that of an 80mm lens. Because of the very long focal length, this lens does not couple to the rangefinder, but is intended to be used with the focusing scale or the ground glass. Permits ground-glass focusing to 20 ft. Angle of ideal format is 19°.

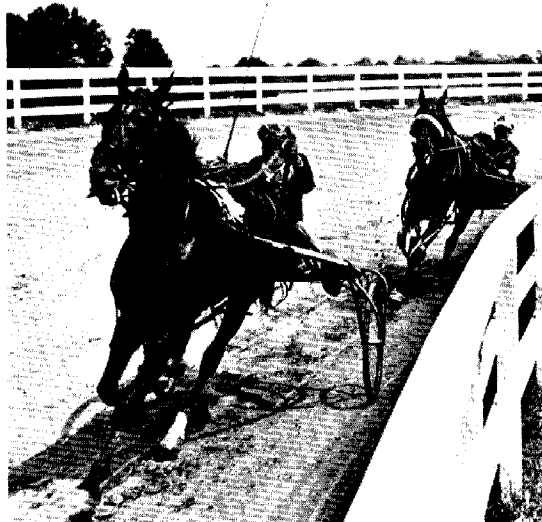
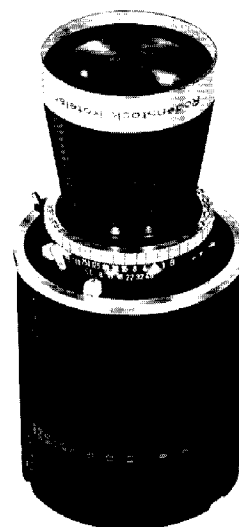
Diaphragm Range f/6.6 to f/45
 No. Lens Elements 5
 Focusing Range Scale only ∞—20 ft.
 Filter Mount 58mm thread xl series 8

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 3⅞ (RH/8, Sheet Film Pack**) 20°
 3¼ x 4¼ (Polaroid Pack Film***) 25°

CATALOG NUMBER 7341

*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.
 †Reg. T.M. Polaroid Corp.



80mm Normal Lenses

80mm Focal Length Lenses for most wedding and candid photography. Also exactly suited for public relations, small group or architectural shots. Compare in angular coverage with 127-135mm lenses on 4" x 5". The moderate wide field of these "short" normal lenses lets you get inside for better use of flash. Stand in the same place, use the same exposures, yet have reserve lens speed for those difficult shots. Two excellent 80mm f/2.8 lenses:

Zeiss Planar: For the ultimate in color correction, resolution, and contrast.

Noritar: Ideal for a one-lens wedding outfit. Surprisingly excellent performance at modest price.

80mm Zeiss Planar f/2.8

Diaphragm Range f/2.8 to f/22
No. Lens Elements 5
Focusing Range (Scale) ∞—2½ ft.
Focusing Range (Rangefinder) ∞—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):
2¼ x 2¼ (RH/12) 52°
*2¼ x 2¾ (RH/10, 20, 50) 58°
2¼ x 3⅛ (RH/8, Sheet, Film-pack**) 62°
3¼ x 4¼ (Polaroid Pack Film***) 74°

CATALOG NUMBER 7332

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



80mm Noritar f/2.8

Diaphragm Range f/2.8 to f/32
No. Lens Elements 6
Focusing Range (Scale) ∞—2.5 ft.
Focusing Range (Rangefinder) ∞—3 ft.
Filter Mount 55mm thread

SHUTTER: xl Copal

Speed Range 1—1/500 sec. plus B
Synchronization M-X
Self Timer No
Press Focus Yes

ANGLES OF VIEW (Diagonal of Format):
2¼ x 2¼ (RH/12) 52°
*2¼ x 2¾ (RH/10, 20, 50) 58°
2¼ x 3⅛ (RH/8, Sheet, Film-pack**) 62°
3¼ x 4¼ (Polaroid Pack Film***) 74°

CATALOG NUMBER 7343

*Ideal format
**Nominal
***xl lenses are designed for optimum coverage of the 2¼ x 2¾ (Ideal) format. Some darkening of the corners will be noted when used with the larger (Polaroid†) format.
†Reg. T.M. Polaroid Corp.

100mm Focal Length Lenses: The right focal length for 2¼" x 2¾" and 2¼" and 3⅛" formats. Permits sufficient distance between camera and subject for good perspective. Minimizes linear distortion. Ideal for police, fire department, news, and most general photography, such as groups, close-ups, full length portraits, industrial, weddings, as well as personal photography.

Noritar for moderate-speed and general all-around performance—or when Polaroid* pack film holder is used extensively.

Zeiss Planar for greater light gathering power at full aperture and when shooting with low light levels. Optimum performance with 2¼ x 2¾", ideal RH/10, 20, 50 negative format.

*Reg. T.M. Polaroid Corp.

100mm Noritar f/3.5

Diaphragm Range f/3.5 to f/32
No. Lens Elements 4
Focusing Range (Scale) ∞—2½ ft.
Focusing Range (Rangefinder) ∞—3½ ft.
Filter Mount 40.5mm thread xl series 8

SHUTTER: xl Copal

Speed Range 1—1/500 sec. plus B
Synchronization M-X
Self Timer No
Press Focus Yes

ANGLES OF VIEW (Diagonal of Format):
2¼ x 2¼ (RH/12) 43°
*2¼ x 2¾ (RH/10, 20, 50) 48°
2¼ x 3⅛ (RH/8, Sheet, Film-pack**) 52°
3¼ x 4¼ (Polaroid Pack Film) 61°

CATALOG NUMBER 7344

*Ideal format
**Nominal



100mm Zeiss Planar f/2.8

Diaphragm Range f/2.8 to f/22
No. Lens Elements 5
Focusing Range (Scale) ∞—3½ ft.
Focusing Range (Rangefinder) ∞—3½ ft.
Filter Mount 58mm thread xl series 8

SHUTTER: xl Compur

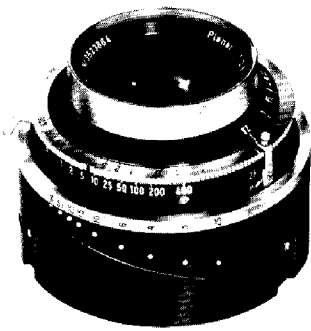
Speed Range 1—1/400 sec. plus T and B
Synchronization M-X
Self Timer Yes
Press Focus Yes

ANGLES OF VIEW (Diagonal of Format):
2¼ x 2¼ (RH/12) 43°
*2¼ x 2¾ (RH/10, 20, 50) 48°
2¼ x 3⅛ (RH/8, Sheet, Film-pack**) 52°
3¼ x 4¼ (Polaroid Pack Film***) 61°

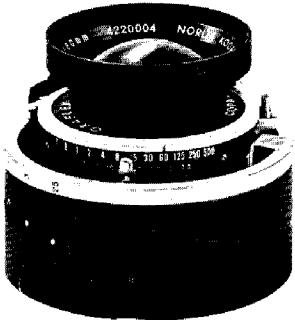
CATALOG NUMBER 7334

*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.

80mm Zeiss Planar



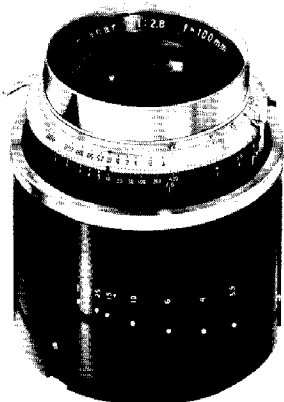
80mm Noritar



100mm Noritar



100mm Zeiss Planar



150mm Medium Telephoto Lens

150mm Rodenstock Ysarex f/4.5

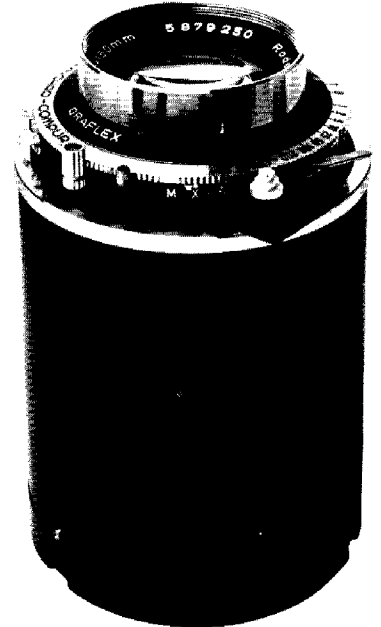
Ideal "long" lens for head-and-shoulder portraits. Allows filling entire negative at best working distances for good perspective. Excellent for general photography of products at moderate distances. Also for editorial coverage from perimeter of meetings and seminars. High quality at moderate price. Rangefinder focus to 7 ft.

Diaphragm Range1/4.5 to 3/32
No. Lens Elements4
Focusing Range (Scale)∞-7 ft., (Rangefinder) ∞-7 ft.
Filter Mount49mm thread xl series 8

SHUTTER: xl Compur
Speed Range1-1/400 plus B and T
SynchronizationM-X
Self TimerYes
Press FocusYes

ANGLES OF VIEW (Diagonal of format):
2¼ x 2¼ (RH/12)30°
*2¼ x 3¼ (RH/10, 20, 50)33°
2¼ x 3½ (RH/8, Sheet, Filmpack**)36°
3¼ x 4¼ (Polaroid Pack Film***)44°

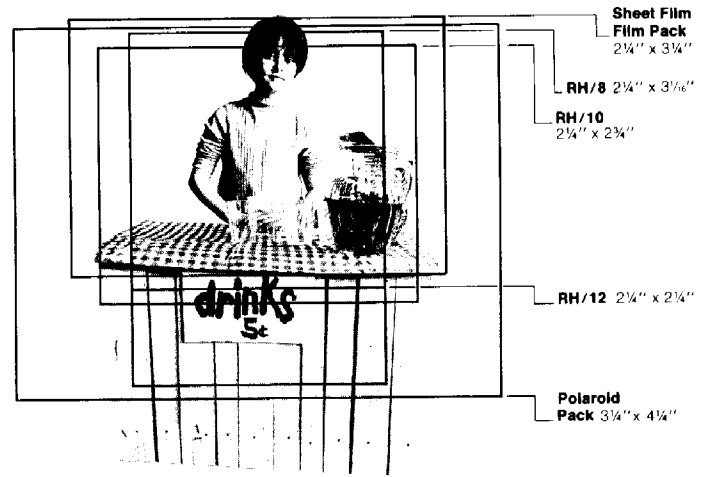
CATALOG NUMBER 7336
*Ideal format
**Nominal
***xl lenses are designed for optimum coverage of the 2¼ x 2¼ (Ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid†) format.
†Reg. T.M. Polaroid Corp.



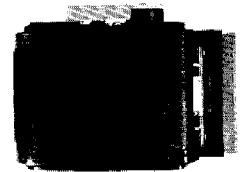
Five total negative formats

Choose the format which gives you the picture you desire

Largest variety ever offered in a single camera. Yours with Graflex film holding devices. All are easy to use, economical, extremely versatile. They enable you to quick-change from black and white to color—from roll film to sheet film—from slow speed to fast speed—without lost time or wasted film. All have built-in dark slide for light-tight, daylight format changing.



1. Graflex New Improved Roll Film Holders. Each has a notation panel, color-keyed dark slide, interchangeable/reversible carriages, automatic film counter, and thumb lever advance with safety lock. They accept a wide variety of black-and-white and color films—both positive and negative types.



2. Grafmatic Sheet Film Magazines hold six sheets in space barely thicker than a sheet film holder. Darkroom loading.

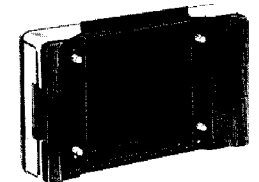


3. Graphic Film Pack Adapters accept the 16-exposure film packs in the same space as a 2-sheet holder. Daylight loading.



4. Polaroid* Pack Film Holders accept the 8-exposure Type 107-3000 Speed Packs to give you pictures in 10 seconds, and Type 108 to give you color in 60 seconds. Perfect for quick-record photos, composition checking, or exposure calculation.

NOTE: 3 1/4 x 4 1/4 film packs may also be used in the Polaroid Pack Film Holder for a full 3 1/4 x 4 1/4 black and white negative.
*Reg. T.M. Polaroid Corp.



Eight film holders give xl cameras greatest versatility

Graflex Rapid-Vance Roll Film Holders

- **RH/8—Wider Format:** 8 exposures, 2 1/4" x 3 1/16" on 120 film **Cat. No. 1290**
- **RH/10—Ideal Format:** 10 exposures, 2 1/4" x 2 3/4" on 120 film **Cat. No. 1291**
- **RH/12—Square Format:** 12 exposures, 2 1/4" x 2 1/4" on 120 film **Cat. No. 1292**
- **RH/20—Ideal Format:** 20 exposures, 2 1/4" x 2 3/4" on 220 film **Cat. No. 1293**
- **RH/50—Ideal Format:** 50 exposures, 2 1/4" x 2 3/4" on 70mm film **Cat. No. 7351**

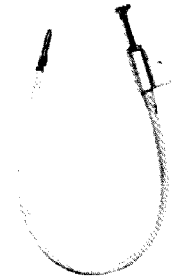
Graflex Sheet Film and Pack Holding Accessories

- **Grafmatic Sheet Film Magazine:** 6 sheets of film, 2 1/4" x 3 1/4" **Cat. No. 1266**
- **Graphic Film Pack Adapter:** 16 sheets, 2 1/4" x 3 1/4" **Cat. No. 1232**
- **Polaroid* Pack Film Holder:** 8 exposures, 3" x 4" **Cat. No. 7350**

*Reg. T.M. Polaroid Corp.

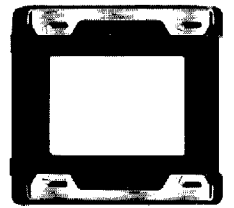
Professional Duty Accessories

1. xl Professional Duty Cable Releases: Smooth, long-life operation. Long swivel tip attaches easily to shutter. Coroplast covering is dirt and moisture resistant—virtually kink proof. 18-inch—**Cat. No. 7394**
18-inch locking type for ground-glass focusing and time exposures with shutters having no "T" setting. **Cat. No. 7393.**

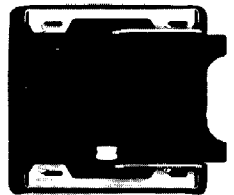


2. xl Body Cable Release with Holder: Attaches to all xl cameras for convenient body release action, when Multi-Grip is not used. **Cat. No. 7382.**

3. xl Graflok Back: Attaches directly to xl camera body, providing base for all focusing panels and most film holders. Reversible for right or left operation. **Cat. No. 7304.**



4. xl Graflok Back Complete: Includes Graflok Back, ground-glass focusing panel and removable xl viewing hood. **Cat. No. 7305.***



5. xl Focusing Panels: For critical ground-glass focusing and composition. Generally used with camera on a tripod.

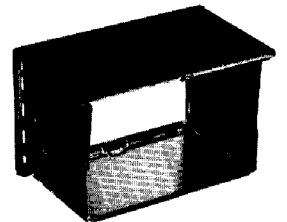
Panel with grid lines and Ektalite field lens for critical composition, and observation of parallel lines. **Cat. No. 9276.**

Panel with limit lines: Ground-glass rulings define area for ideal format (2¼" x 2¾") and RH/12 (2¼" x 2¼") roll film holders.

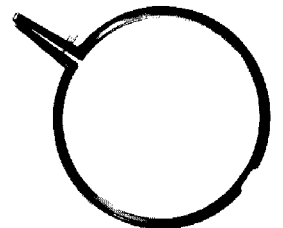
Less Ektalite—**Cat. No. 9283*** With Ektalite—**Cat. No. 9284**



6. xl Viewing Hood:* Removable, all metal. Shields focusing panel for ground-glass focusing. Fits all xl focusing panels. Opens and closes easily with one hand. **Cat. No. 9145.**



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

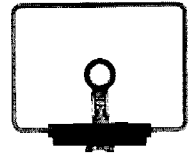


8. xl Multi-Grip: Scientifically hand-contoured for steady holding. Complete with cable. Mount at any angle at side or below camera for pistol grip use. With left side mounting bracket. **Cat. No. 7383.*** With right side mounting bracket—**Cat. No. 7386.** Special, less tripod socket mounting for top of grip—**Cat. No. 7399.**



*Standard on all new xl Rangefinder Camera Outfits.

- 9. xl Rangefinder Eyeshield:*** Cuts out extraneous light between eye and rangefinder window.
Cat. No. 7360



10. Sportsfinders

xl wire frame Sportsfinders are constructed of stainless music wire and V-shaped bearings for self-alignment. Nearly indestructible, they can be fastened in the standard accessory shoe. Plexiglass clip-ons for various formats are available.

Cat. No. 7361 for xlsw Super Wide Angle Camera Body

Cat. No. 7362 for xlrif or xls Camera Body

Sportsfinder Masks, Plexiglass Clip-On Type

Cat. No. 7363 for xlsw Super Wide Angle Camera Body—Polaroid

Cat. No. 7364 for xlrif or xls Camera Body—Polaroid

Cat. No. 7365 for xl RH/10 format

Cat. No. 7366 for xl RH/12 format

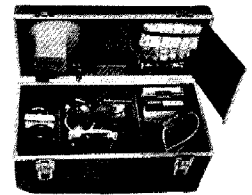
Cat. No. 7367 for xl RH/10 format with 270mm Lens

FINDER AND MASK CHART

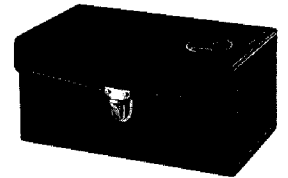
Picture Format	Lens	Finder or Mask Use	Finder Cat. No.	Mask Cat. No.
2¼" x 2¼" Square	58, 100, 180	Mask index lines	7362	7366
2¼" x 2¾" ideal format	58	Finder frame outside edge	7362	—
2¼" x 2¾"	80	Finder frame inside edge	7362	—
2¼" x 2¾"	100, 180	Mask index lines	7362	7365
2¼" x 2¾"	150	Mask index lines outside limit	7362	7365
2¼" x 2¾"	270	Mask index lines	7362	7367
2¼" x 3 ¹ / ₁₆ wide	47	Finder frame	7361	—
Polaroid		Entire mask	7361	7363
Polaroid	100, 180	Mask index lines	7362	7364



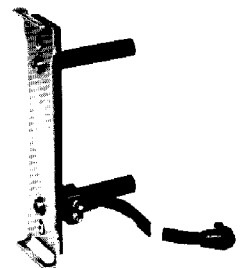
- 11. xl Vulcanoid Carrying Case** for complete xl camera outfits. Accepts camera, lens, holder, and Multi-Grip—all assembled, plus extra accessories. Handy, rugged, lightweight. Movable partitions for storage. Overall dimensions—9½" x 11" x 19½". **Cat. No. 7373.**



- 12. xl Lens Case:** For 180mm lens. Movable partitions adapt to two normal lenses—or one lens and selection of filters. Strap loops permit carrying on belt or gadget bag strap. **Cat. No. 7377.**



- 13. xl Flash Bracket:** Attaches to either side of xl camera. For Graflite flash equipment or other flash mounting tube with heavy-duty clamps. Anchored strain relief cord removes all strain from shutter contact when moving the flash. Use an ASA double-post shutter cord (#2701 20" straight flash cord, or #2810 36" expand-o-cord to connect to battery case or flash unit). **Cat. No. 7491.**



- 14. 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.**



- 15. Cap Cord (Din. Fitting for Compur Shutter):**
 20-inch straight. **Cat. No. 2721.**
 36-inch expand-o-cord. **Cat. No. 2821.**
 12-inch straight. Replacement for use on xl Flash Bracket. **Cat. No. 7492.**



*Standard on all new xl Rangefinder Camera Outfits.

Accessories

16. xl Lens Attachments:



Adapter Rings

Accept all series 8 filters for attachment to specified lens.

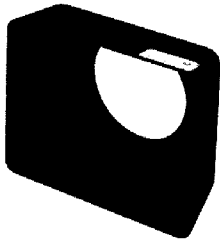
- Cat. No. 7453** for 40.5mm thread
- Cat. No. 7454** for 49mm thread
- Cat. No. 7455** for 58mm thread
- Cat. No. 7456** for 67mm thread



Retaining Ring

xl Retaining Ring fits all adapter rings, holding xl series 8 filter in place. For use when xl lensshade is not used.

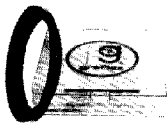
Cat. No. 7465



Lensshade

xl Lensshade and Filter Holder: For all xl lenses. Holds xl series 8 filters. Attaches to front thread of adapter ring or 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.

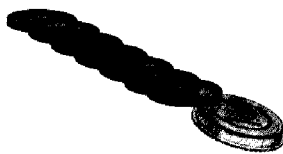
Cat. No. 7450



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 retainer 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

17. xl Spacers



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.

Spacers For Closeup and 1:1

Object To Image Reproduction Ratio with xlsx 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 xlsx Body to accept all xl lenses.

Object To Image Reproduction Ratio With xlr 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

Cat. No. 7321 permits medium close working range with all lenses.

1" Length

Cat. No. 7322 close-up with all lenses—use with xlsx Camera Body to convert to standard camera capability permitting use of full range of lenses—ground glass focusing is recommended.

1½" Length

Cat. No. 7323 for intermediate extreme close-up work.

3" Length

Cat. No. 7326 for 1:1 photography with 80mm lenses.

3¾" Length

Cat. No. 7327 for 1:1 photography with 100mm lenses.

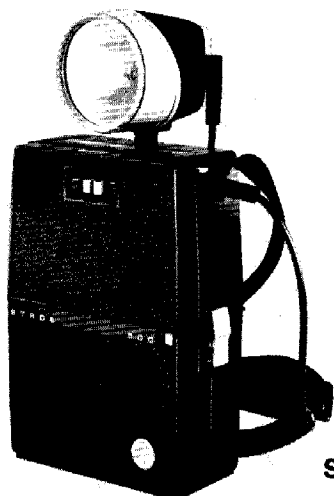
Custom Lengths

Spacers to meet your exact requirements are available—write to Graflex Customer Service Department giving full details for quotation.

Select a Graflex Electronic Flash Outfit
to Compliment your xl



Strob 250



Strob 500



Strob 350

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