GRAFLEX INC.

Since 1887 . . .
Quality Photographic Equipment

QUANTITY DISCOUNTS

Quantity discount prices apply to all dealer purchases as noted in the current dealer price list. Products listed within any one category shown in the price list may be assorted to make up minimum required to qualify for a quantity discount.

PREPAID SHIPMENTS

Graflite will prepay on all single dealer shipments in excess of $600.00 shipping to a single destination.

CASH DISCOUNT

Graflite dealers will receive an allowance of 2% cash discount for payment of invoices on or before the tenth of the following month.

DROP SHIPMENTS

Graflite will honor requests for drop shipments.

MINIMUM ORDERS

Order minimum is $25.00 net total. By accumulating miscellaneous small orders or grouping them with an order for needed accessories, the net total can be conveniently met.

CREDITS AND RETURNS

Graflite stands fully behind its products and accepts return of goods where Graflite responsibility is involved for any reason. However, we ask that prior approval be requested. Return of goods may also be authorized where Graflite responsibility is not involved. In such cases, a standard restocking charge of 10% of goods net value or a minimum of $15.00 is applicable. This restocking charge at least partially covers the cost of inspecton and repackaging of merchandise acceptable for return as new. Should equipment not be in new stock condition, cost of refinishing will ordinarily be deducted from the credit allowance.

PROMOTIONS

Only those dealers who are in good standing with Graflite Photo Products will be allowed to participate in any of the promotions sponsored by Graflite.

Graflite

Credit Policy

All new dealers, unless previously authorized, shall be shipped on a C.O.D. basis.

New dealers requesting open account billing will be forwarded a credit application. This application must be completed and approved before an open account billing is authorized.

Graflite dealers will receive an allowance of 2% cash discount for payment of invoices before the tenth of the following month.

If remittances are not received within the cash discount period, full payment is due thirty days from the end of the month of the invoice date.

An account past due will be considered a potential credit risk and serious consideration will be given to any future shipment.

An account seriously past due will be considered a credit risk and future shipment will be held up until the account is made current.

Continued delinquency will result in the account being placed with a collection agency and future shipments will only be made on a C.O.D. basis for a period of one year and only after the account is made current and Graflite is reimbursed for any collection fee incurred.

Order Procedure for Maximum Discount

The Graflite Photo Products Confidential Dealer Price List is designed to give both you and Graflite the best pricing structure possible. Below are dealer net price divisions called Product Groups which you are able to take advantage of for further pricing discounts.* We have listed below your options:

You may mix items to obtain maximum discount. However, items must fall under the titles below for discount.

PRODUCT GROUP ONE - Electronic Flash Outfits (Power Pack or Base):
You must purchase in any variation of outfits, power packs, tops or bases. Three items for maximum quantity discount.

PRODUCT GROUP TWO - Batteries:
Due to the cost of batteries, we can, at present, only offer quantity discount on those listed as possible quantity discount.

PRODUCT GROUP THREE - Cords:
This includes cords as listed under this sub-category and any future cord introductions - for quantity discount.

PRODUCT GROUP FOUR - Accessories:
This includes items listed under this sub-category only - for quantity discount.

PRODUCT GROUP FIVE - Mounting Adapters & Accessories:
This includes items listed under this sub-category only - for quantity discount.

PRODUCT GROUP SIX - Shutter Cords:
This includes items listed under this sub-category only - for quantity discount.

We ask you to follow this pricing structure when requesting a quantity discount.

* Quantity required for maximum discount may be changed according to promotion requirements.

The xl Cameras consist of many interchangeable parts. Basic are 3 camera bodies, all accepting lenses in special xl barrel-mount, a wide variety of film accessories and other attachments. While it is basically intended for producing the ideal format (2¼ x 2¾) negative, other negative formats 2¼ square, 2¼ x 3¹/₁₆ and Polaroid are also accommodated. It is a complete family of equipment, capable of being assembled into a specialized unit to take care of any standard or unusual photographic requirement.

xl Rangefinder Camera Body. The xl Rangefinder Camera is recommended for all general-purpose photography. It includes an extremely bright rangefinder in a combination range/viewfinder window, which includes 3 bright floating frames with automatic parallax adjustment to show field included by 3 different focal length lenses. Nearly 1:1 magnification assures easy and positive use.
xl Rangefinder Camera Body only.
Cat. No. 7303

xlrf Camera Outfits

Basic outfits include these standard items plus desired lens:
7303—xlrf Camera body
7304—xl Graflok back frame,   only
7399—xl Multi-Grip, left hand special
1291—Roll Holder RH/10
7349—Quick Focus Lever
Outfits with the following lenses as indicated:

Cat. No.
xl-791 with 80mm Noritar f/2.8 lens
xl-793 with 80mm Planar f/2.8 lens
xl-790 with 100mm Noritar f/3.5 lens

See price list for additional listings.

xl Standard Camera

Designed to be tripod-mounted and focused with focusing scale or ground glass only, especially suitable for laboratory use. Accommodates accessory slip-on viewfinders and masks. A wide variety of attachments inclusive of spacers for closeup photography may be added.

xl Standard Camera Body
Cat. No. 7302

Outfits including the xl Standard Body and desired lens should be developed as needed. They may include No. 7305 Graflok Back complete, Multi-Grip, spacers, viewfinders and holders.

xl Super Wide Camera

The thinnest type of camera making possible the use of a 47mm extreme wide angle lens. (When fitted with a 1" spacer will also accommodate all other xl lens combinations.) Fitted with accessory shoe for viewfinder frames.
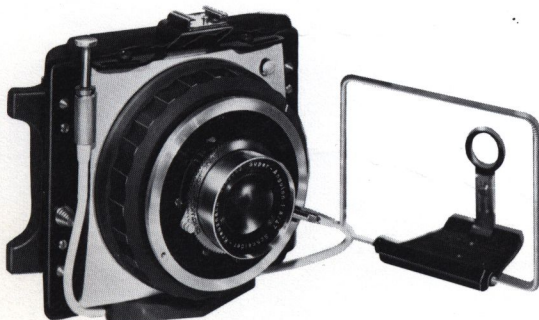xl Super Wide Camera Body only
Cat. No. 7301
Cat. No. xl-703 Super Wide Angle Camera Outfit includes:

7301   xlsw Camera Body
7330   47mm Schneider Super Angulon f/8 lens
7305   xl Graflok Back complete
7361   xl Sportsfinder
7382   Body Cable Release
Cat. No. 713
Outfit includes 47mm Schneider Super Angulon f/5.6 Lens

Wide Angle, Normal, Telephoto

Outstanding quality from the world's major manufacturers of quality lenses.

All lenses mounted into barrel for direct attachment to xl Camera Body.

All lenses, except 47mm and 270mm lenses, have built-in cam for direct operation with xl Rangefinder.

xl Lenses are designed primarily 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.

Wide Angle Lenses

47mm Schneider Super Angulon f/8

For extreme wide angle work with the xlsw Camera Body only. Provides true wide angle coverage, as well as close-ups for dramatic effect. Not for standard use with other xl camera bodies. Use locking type cable release (Cat. No. 7393).
Cat. No. 7330
Cat. No. 7342—47mm Schneider Super Angulon f/5.6

58mm Rodenstock Grandagon f/5.6

Wide angle lens with excellent sharpness, resolution, and contrast for xl standard and xl rangefinder camera bodies. Excellent coverage, even on Polaroid picture size.
Cat. No. 7331

80mm Normal Lenses

Normal for most wedding and candid photography. Compare in angular coverage with the 127-135mm lenses used on 4 x 5 cameras, and allow standing in the same place using the same exposures and yet they have reserve speed for difficult shots.

80mm Zeiss Planar f/2.8

Well-known Planar design supplied in No. 1 Compur Shutter.
Cat. No. 7332

80mm Noritar f/2.8

Excellent performance at modest price. Supplied in No. 0 Copal Shutter.
Cat. No. 7343

100mm Lenses

The "right" focal length for 2¼ x 2¾ and 2¼ x 3¹/₁₆ format. Permits sufficient distance between camera and subject for good perspective with adequate image size.

100mm Noritar f/3.5

Lens for moderate speed and all-round general performance—or when Polaroid Pack Film Holder is used extensively. Supplied in No. 0 Copal Shutter.
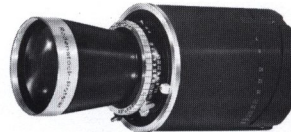Cat. No. 7344

Long and Telephoto Lenses.

180mm Rodenstock Rotelar f/4.5

Medium telephoto for distant subjects and aerial photography, 1/500th shutter speed. Rangefinder focus to 10'.
Cat. No. 7340

270mm Rodenstock Rotelar f/6.6

For long distance shots, for aerial and sports photography. Magnification 3.5x that of 80mm lens. Does not couple to rangefinder; used with the focusing scale or the ground glass. Closest working distance 20'.
Cat. No. 7341

LENS	47mm Super Angulon	47mm Super Angulon	58mm Rodenstock Grandagon	80mm Zeiss Planar	80mm Noritar	100mm Noritar	180mm Rodenstock Rotelar	270mm Rodenstock Rotelar
xl Lens Catalog Numbers	7342	7330	7331	7332	7343	7344	7340	7341
Diaphragm Range (Aperture)	f/5.6-f/32	f/8-f/32	f/5.6-f/32	f/2.8-f/22	f/2.8-f/32	f/3.5-f/32	f/4.5-f/45	f/6.6-f/45
Focal Length	47mm	47mm	58mm	80mm	80mm	100mm	180mm	270mm
*Angle of View	87°	87°	75°	58°	58°	48°	28°	19°
No. Lens Elements	8	6	8	5	6	4	5	5
Focusing Range (scale)	to 1'	to 1'	to 1½'	to 2½'	to 2½'	to 2½'	to 10'	to 20'
Shutter Speed Range	1-1/500 sec.	1-1/500 sec.	1-1/500 sec.	1-1/400 sec.	1-1/500 sec.	1-1/500 sec.	1-1/500 sec.	1-1/500 sec.
Synchronization	M-X	M-X	M-X	M-X	M-X	M-X	M-X	M-X
Self-Timer	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Press Focus	Yes	**	Yes	Yes	Yes	Yes	Yes	Yes
Filters	xl series 8	xl series 8	xl series 8	xl series 8	xl series 8	xl series 8	xl series 8	xl series 8
Filter Mount Dia. (thread)	49mm	40.5mm	67mm	49mm	55mm	40.5mm	49mm	58mm
Filter Adapter Ring Cat. No.	7454	7453	7456	7454		7453	7454	7455
Sky 1A Filter Cat. No.	7459	7458	7461	7459		7458	7459	7460

*Normal Angle of View—2¼ x 2¾ 'ideal format' **With locking type cable release

Graflex Film Holding Accessories

Cat. No. 1290 RH/8—Wider Format: 8 exposures, 2¼" x 3¹/₁₆" on 120 film

Cat. No. 1291 RH/10—Ideal Format: 10 exposures, 2¼" x 2¾" on 120 film

Cat. No. 1292 RH/12—Square Format: 12 exposures, 2¼" x 2¼" on 120 film

Cat. No. 1293 RH/20—Ideal Format: 20 exposures 2¼" x 2¾" on 220 film

Cat. No. 7351 RH/50—Ideal Format: 50 exposures, 2¼" x 2¾" on 70mm film

Cat. No. 1232 Graphic Film Pack Adapter: 16 sheets. 2¼" x 3¼"

Cat. No. 7350 Polaroid* Pack Film Holder: 8 exposures. 3" x 4"

*Reg. T.M. Polaroid Corp.

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 lenshade is not used.
Cat. No. 7465

Lenshade

xl Lenshade 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 Lenshade 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
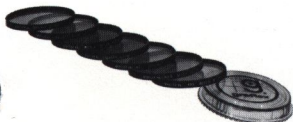
xl Professional Duty Cable Releases

Heavy duty construction. Long swivel tip for easy attaching to shutter, dirt and moisture resistant.
a. **Cat. No. 7394** 18"
b. Locking type for opening shutters which have no "T" setting.
Cat. No. 7393 18"

xl Rangefinder Eye Shield

Cuts out extraneous light between eye and rangefinder window (supplied as standard with new cameras).
Cat. No. 7360

Quick Focus Lever

Fits over focusing ring of xl cameras for fast finger tip focusing, adjustable to any position.
Cat. No. 7349

xl Flash Bracket

Attaches to either side of camera. For Graflite or electronic flash equipment with heavy duty clamps, (Cat. No. 2771). Includes anchored strain relief cord Cat. No. 7492 to relieve all strain from shutter contact. Accepts ASA bi-post cord, Cat. No. 2701 or No. 2810.
Cat. No. 7491

ASA Bi-Post Synchronized Shutter Cord

Cat. No. 2701 20" straight
Cat. No. 2810 36" Expand-O-Cord

Cap Cord (DIN Fitting) for Compur Shutter (P.C.)

For connecting shutter directly to flash when an xl flash bracket is not used.
Cat. No. 2721 20" straight
Cat. No. 2821 36" Expand-O-Cord
Cat. No. 7492 12" replacement on Cat. No. 7491. See flash cord section for details.

xl Vulcanoid Carrying Case

For complete xl outfit. Accepts completely assembled camera, lens, holder, and multigrip, plus extra accessories. Heavy duty yet lightweight, moveable partitions. 9½" x 11" x 19½".
Cat. No. 7373

xl Lens Case

For 180mm and smaller lenses, moveable partitions, accommodates 2 normal lenses or one lens and a selection of filters. Strap loops for carrying on belt or gadget bag strap.
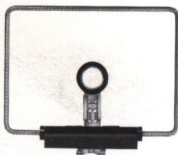**Cat. No. 7377**

xl Body Cable Release with Holder

Attaches to all xl cameras for convenient body release action when Multi-Grip is not being used.
Cat. No. 7382

Cat. No. 7383 Multi-Grip Right with Tripod Socket Adapter
Cat. No. 7399 Multi-Grip Right, Special

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 xlrf or xls Camera Body
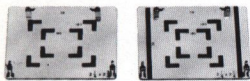
Sportsfinder Masks, Plexiglass Clip-On Type

Cat. No. 7363 for xlsw Super Wide Angle Camera Body—Polaroid
Cat. No. 7364 for xlrf 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

xl Graflok Back

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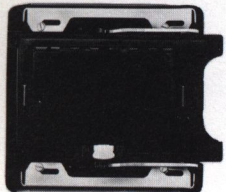**Cat. No. 7304**
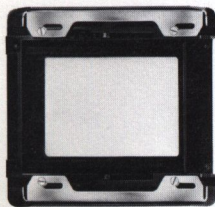
xl Graflok Back Complete

Made up of the following items:
Cat. No. 7304 Graflok Back
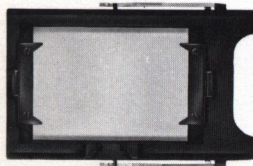**Cat. No. 9283** Focusing Panel
Cat. No. 9145 Viewing Hood
Cat. No. 7305

xl Focusing Panels
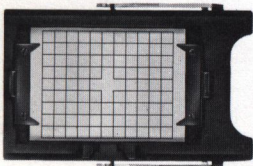
All three attach to Cat. No. 7304:
a. Panel with limit lines for ideal format 2¼" x 2¾". (Supplied as part of Cat. No. 7305)
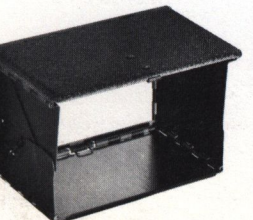**Cat. No. 9283**

b. Panel with limit lines for ideal format and with Ektalite field lens for brighter corner viewing.
Cat. No. 9284

c. Panel with Grid lines and Ektalite field lens for critical composition and alignment of subject matter.
**Cat. No. 9276**

xl Viewing Hood

Removeable all metal shields focusing panel for focusing. Opens and closes easily with one hand.
Cat. No. 9145

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 3¹/₁₆" wide	47	Finder frame	7361	—
Polaroid	47	Entire mask	7361	7363
Polaroid	100, 180, 58	Mask index lines	7362	7364
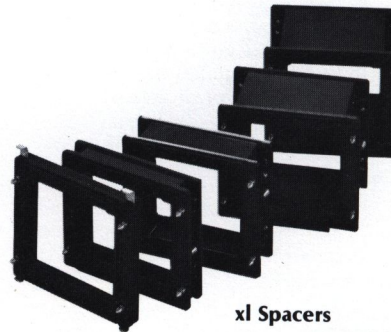
xl Spacers

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 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 xlrf 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 xlsw 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.
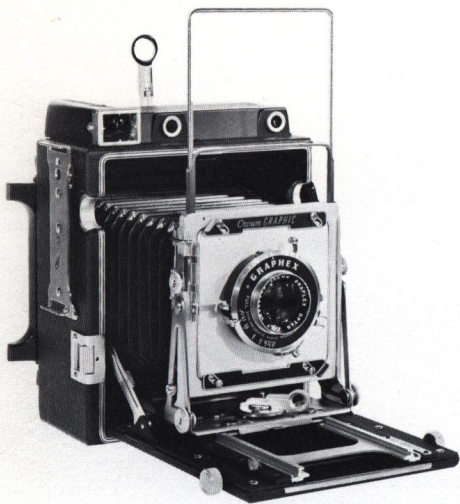
For years the pros have picked the Pacemaker Crown Graphic 45 because of it's adaptability and dependability in the studio or on location.

With 135mm Graflex Optar f/4.7 lens in No. 2 Graphex full sync shutter.
Cat. No. CF-93***
Less lens, order suitable fitting kit as required.
Cat. No. CF-13

Accessory Outfit A consisting of:
Cat. No. 2735 3 cell Graflite, 5" reflector
Cat. No. 2701 20" sync shutter cord (No. 2721 supplied — with CF94A)

Accessory Outfit B consisting of:
Cat. No. 2736 3 cell Graflite, 5" reflector with solenoid and 20" solenoid cord
Cat. No. 9460 Installation and synchronixation

Accessory Outfit F consisting of:
Cat. No. 2836 3 cell Graflite, 5" reflector, with solenoid, and 36" Expand-O-Cord
Cat. No. 9460 Installation and synchronization

Accessory Outfit L consisting of:
Cat. No. 2302 Strob 250 HV with battery
Cat. No. 2771 Battery Case Clamps
Cat. No. 2810 36" Expand-O-Cord
Cat. No. 4268 Handicase

Crown Graphic Special
Includes standard Crown Graphic 45 with Graphic Range-finder, Cat. No. 2755 Graflite Bracket installed and 135mm high quality f/4.7 lens in No. O size shutter, Graflok Back with Ektalite Field Lens. Solenoid can be added for shutter tripping, not synchronization.
Cat. No. CF-904***

***Although 165mm equals the diagonal of 4 x 5 negatives, the greater angular coverage and depth of field of the 127mm and 135mm lenses is often preferred, the diaphragm being closed down to make the corners sharp.

DETAILS:

- Built-in Graphic Rangefinder providing synchronization with interchangeable lenses through the use of simple lens-matched interchangeable cams
- Cam for standard lens included
- Rack and pinion focusing for all lenses
- Graflok Back
- Ground glass focusing with Ektalite Field Lens for better image viewing
- Removable 4-sided metal viewing hood for focusing panel
- Holder dark slide clip on viewing hood
- Body release for shutter

- Front standard movements
  Tilt back 18½° drop bed, tilt forward 18½°
  Rise 1½", shift 11/32" from center
- Bellows extension 12½" (1:1 possible with 162mm Lens)
- Built-in Rangelite (beam focusing) for dim light focusing
- Built-in Optical Viewfinder with automatic parallax correction
- Interchangeable viewfinder masks
- Sportsfinder with parallax correction
- Graflex mounting bracket (2755) attached to side of camera
- Interchangeable lensboard
- Bed accepts three or four sets of focusing scales and infinity stops for different lenses

SPECIAL FEATURES:

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.
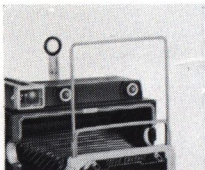
Exclusive Rangelite:
Built into rangefinder; projects two beams of light on subject. Perfect focusing when beams converge; ideal for focusing in dim light or night photography.
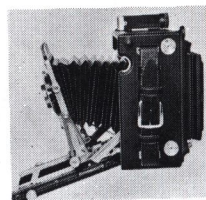
Ground Glass Focusing:
For critical or selective focus and for exact determination of composition and depth of field. With Ektalite, removable hood with dark slide clip.
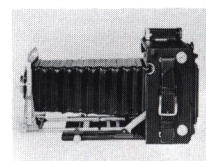
Adjustments:
Drop bed allows use of extreme wide angle lenses and forward tilt of front optics. Can increase depth of field and help control perspective.

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

Double-Extension Bellows:
2½" to 12½" for 1:1 copies without extension tubes or expensive optical accessories.

4268 Carrying Case. For all 4 x 5 Graphic Cameras. Fully lined cush-ioned camera compartment, metal bead around top and bottom portions of case. Accepts complete camera outfit. 9½" x 19½" x 11½".

SUPER GRAPHIC

All metal Graphic with important features and found in other Graphic Cameras. Design also includes built-in electrical shutter release, cam operated focusing scale readable at top of camera, and other features listed on this and the next page. An outstanding camera for general photography where the large 4 x 5 negative is needed.

Super Graphic 45 Camera and Lenses

Listings include lens specified fitted to camera with revolving back, with focusing panel, with Ektalite Field lens.

With 135mm Graflex Optar f/4.7 lens in Graphex full sync shutter
SU93***

Less lens, order suitable lens fitting kit as required.
SU13

The Super Graphic Camera may be purchased with a lens only, or with a variety of accessories. Suggested basic accessory outfits.

Super Graphic 45 Outfit N includes:

2725 2-cell Graflite with 5" Reflector
2802 Y Cord for flash connection
4595 Presslok Tripod Mount

***Although 165mm (6⅜") equals the diagonal of 4 x 5 negatives, the greater angular coverage and depth of field of the 127mm and 135mm lenses is often preferred, the diaphragm being closed down to make the corners sharp.

Details and Specifications:

- Reinforced extruded aluminum for maximum strength, minimum weight in large negative hand camera; only 4¾ lbs. complete.
- Built-in rangefinder providing synchronization with interchangeable lenses through use of lens matched interchangeable cams.
- Revolving Graflok Back
- Ground Glass Focusing with Ektalite Field Lens for clear image viewing.
- Removable 4-sided viewing hood for focusing panel.
- Dark slide clip on viewing hood.
- Electric shutter release.
- Front standard movement.
  Tilt 15° back 12° forward
  Swing 25° from center, shift ½" from center
  Rise 1½" drop bed 15°

- Bellows extension 12½" (1:1 possible with 162mm lens).
- Large, easy to insert, rangefinder cams matched to lens used.
- Built-in flash exposure computer at top of camera.
- Cam coupled focusing scale at top of camera.
- Sportsfinder with parallax correction.
- Graflite battery case clamps attach to lugs on right side of camera.
- Interchangeable internally wired lensboard assemblies for various shutters.
- Three pin outlet on camera body eliminates dangling flash cords around lens.
- Presslok Tripod Mount (accessory) for fast attachment to tripod.

SPECIAL FEATURES

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. Accommodates wide variety of holders for sheet as well as roll film.
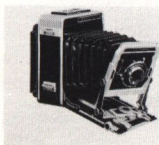
Improved Front Standard and Drop Bed:
Front Standard controls image shape, distortion parallelism, composition, and depth of field. Unusual degree of movement, with click stops for instant positive return to squared position. Solid locking at any point.

Double Extension Bellows:
Allows close-ups and 1:1 photography without extension tubes or expensive optical accessories, fuller use of long focal length, telephoto lenses up to 15" (380cm) in focal length.


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.
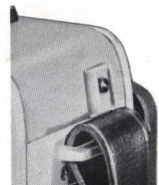
Electrically Operated Shutter Release:
Ends blurring; shutter released by touching microswitch on camera or on Graflite battery case. 3-pin outlet on camera body eliminates wires from front of camera.
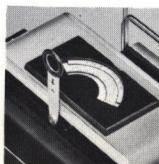
Cam Coupled Focusing Scale:
Pointer of focusing scale is controlled by the cam in the rangefinder. Eliminates need for multiple sets of scales on bed of camera.

Cat. No. 9136 Finder
Cat. No. 4595 Presslok Mount
Cat. No. 2801 Special Cords
Cat. No. 2802 For Super

Cat. No. 7960 Waist Level Finder
- Interchangeable
- Magnifier included
- Sportsfinder incorporated
- Compact

Cat. No. 7930
Auto Extension Tubes (Set of 3)
#1—17mm, #2—33mm & #3—76mm can be used singly or in combination with Noritar 40mm to Noritar 240mm lenses.

Cat. No. 4548 Graflex Norita Copy Stand
- Vertical Height, 27" high down to 8" high.
- Horizontal Adjustment 3½".
- Pneumatic Center Post
- Weight 8 lbs.

Corrective Diopters . . . .**Cat. No. 7990 to 7994**
Microscope Attachment w/o Shutter
Microscope Attachment w/Shutter

Cat. No. 7963 Pentaprism with Meter is coupled with the shutter speed selection knob as an averaging metering system. The measured range weighted 60% for the area covered by the circle in the center of the focusing screen circle. ASA Film Index—32 to 6400. Uses PX77 or S-76. Battery is supplied.

GRAFLEX ELECTRONIC FLASH

Whatever your photographic lighting require-ment, there is a Graflex Electronic Flash Outfit to do the job. Heavy-duty units, lightweight "tot-em" models, high voltage battery, recharge-able battery, AC power, a variety of lampheads, and accessories.

Throughout the line, Graflex offers:

Interchangeability of components. Interchange lampheads, power packs. Only Graflex gives you such flexibility.

Power performance. More brightness per pound in designs built to last.

Dependability. All components used well within manufacturer recommended tolerances.

Easier to service. Clean, open wiring.

Designed and made in the U.S.

Graflex, the most complete electronic flash line on the market features these famous names

Strob 500   **Stroboflash**   **Strob 250**   **Strob 350**

Plus accessories for every requirement.

GRAFLEX ELECTRONIC FLASH OUTFITS STATISTICAL DATA

	Stroboflash IV	Strob 250* HV	Strob 250* RG	Strob 500 HV	Strob 500 RG	Strob 500 AC	Strob 350 RG
Power Source	HV Btry 2 Req. Cat. 2092	HV Btry 1 Req. Cat. 2390	Built-in nickel cadmium battery-3 hr. recharge time	HV Btry 1 Req. Cat. 2292	Ni Cad. 1 Req. Cat. 2293	A-C Operation	Built-in nickel Cadmium battery-3 hr. recharge time
Light Output ECPS	¼-1100 ½-2200 ¾-3300 Full-4400	2000	2000	¼-1650 ½-3600 Full-7100	¼-1650 ½-3600 Full-7100	¼-1650 ½-3600 Full-7100	½-1650 Full-3600
True Guide No. ASA 100	¼-87 ½-120 ¾-140 Full-165	110	110	¼-102 ½-150 Full-211	¼-102 ½-150 Full-211	¼-102 ½-150 Full-211	½-100 Full-150
Energy Storage (Watt Sec.	200	75	75	200	200	200	130
Approx. Recycle	¼-2 sec. ½-4 sec. ¾-7 sec. Full-9 sec.	3 sec.	7 sec.	¼-2 sec. ½-3-4 sec. Full-8-9 sec.	¼-2 sec. ½-3-4 sec. Full-8-9 sec.	¼-3 sec. ½-5 sec. Full-10 sec.	½-4 sec. Full-8 sec.
Flash Duration	¼-1/1200 ½-1/800 ¾-1/600 Full-1/400	1/1500	1/1500	¼-1/1900 ½-1/1250 Full-1/850	¼-1/1900 ½-1/1250 Full-1/850	¼-1/1900 ½-1/1250 Full-1/850	½-1/1200 Full-1/600
Open Flash	No	Yes	Yes	Yes	Yes	Yes	Yes
Exp. Cal.	No	Yes	Yes	Yes	Yes	Yes	Yes
Slave Operation	Use No. 2265	Use No. 2265	Use No. 2265	Built-in	Built-in	Built-in	Use No. 2265
Flashes Per Battery (HV) Or Charge (RG)	¼ up to 2500 ½ up to 2000 ¾ up to 1500 Full up to 1000	1000-1500	75	¼-3000 ½-2000 Full-1000	¼ 250-300 ½ 200-250 Full 150-200	Unlimited	½-200 Full-100

*Flashgun also operates from 117 AC with No. 2392 AC Adapter.

CHOICE OF THREE POWER SUPPLIES
- HV High Voltage Dry Battery
- RG Rechargeable Dry Nickel Cadmium Battery
- AC 117 Volt Line Operation

Each Outfit Consists of a Basic Set of Parts

Lamphead
Cat. No. 2241

Mounting Adapter
Cat. No. 7385

Rubber Battery Case Adapter
Cat. No. 2068

Coiled Power Cord
Cat. No. 2251

POWER TOP
Cat. No. 2230

and any one of these three Interchangeable Power Bases

HV-High Voltage

RG-Rechargeable

AC-117V.

STROB 500 FEATURES

(See performance data chart for details)
- Choice of three interchangeable power sources—see above.
- Heavy duty pushbutton switches.
  ¼ power   ½ power   full power   off
- LAMPHEAD with modern design and solid state circuitry.
- Built-in Slave operation.
- Reflector and flash tube balanced for "natural" fleshtone reproduction.
- 52° angle of reflector, usable light.
- Accurate flash calculator for three power settings.
- Ready light glows when capacitor reaches 84% (down ½ stop) of full charge.
- Open flash button.
- Accessory wide field deflection lens for 80° x 52° coverage.
- High performance output—7100 ECPS as determined by ANSI (ASA) standards.
- Dual output receptacles (Y-cord also available)
- All connections have maximum reliability even in high humidity.
- Water-proof and shock-proof design.
- All Cycolac® plastic bodies to provide structural strength and light weight.
- Power Cord "valet" keeps loose end from dangling.
- Will accommodate many Strob 250 and Stroboflash components.
- RG Base has exclusive monitoring circuit to provide maximum standby power with minimum battery drain.

Model **500 RG**—with dry nickel cadmium rechargeable battery
Model **500 HV**—for high voltage dry battery operation
Model **500 AC**—for continuous 117-volt AC power operation

RECHARGEABLE BATTERY OUTFIT LISTINGS

Complete Strob RG Outfit with Battery and Charger
Cat. No. 2208

Strob 500 RG Outfit with Battery, less Charger
Cat. No. 2204

RG Power Pack Only (Top and Base)

Strob 500 RG Power Pack with Battery, with Charger
Cat. No. 2220

Strob 500 RG Power Pack with Battery, less Charger
Cat. No. 2218

For RG Power Base Listings and Description, see following pages:

SPECIAL ACCESSORIES AND REPLACEMENTS
(For details see following pages)

Special dry rechargeable Nickel Cadmium Battery
Cat. No. 2293

RG Charger from 117V AC supply for recharging No. 2293 Battery
Cat. No. 2291

RG Charger Cord for recharging No. 2293 from 12 volt auto supply
Cat. No. 2253

Globe Strob 500 (baretube accessory)
Cat. No. 2243

HV-HIGH VOLTAGE BATTERY OUTFIT LISTINGS

Complete Strob 500 HV Outfit including battery
Cat. No. 2207

Strob 500 HV Outfit, less Battery
Cat. No. 2205

HV POWER PACK ONLY (Top and Base)

Strob 500 HV Power Pack with Dry Battery
Cat. No. 2217

For HV Power Base Listings and Description, see following pages:

SPECIAL ACCESSORIES AND REPLACEMENTS
(For details see following pages)

Cat. No. 2292 450 volt high voltage dry battery
Cat. No. 2294 Graflex Booster/Analyzer
Cat. No. 2243 Globe Strob 500 (baretube accessory)

AC 117V OUTFIT LISTINGS

Complete Strob 500 AC Outfit with 117V Line Cord
Cat. No. 2209

AC POWER PACK ONLY (Top and Base)

Strob 500 AC Power Pack, with 20' 117V Line Cord
Cat. No. 2219

For AC Power Base Listings and Description, see following pages:

SPECIAL ACCESSORIES AND REPLACEMENT
(For details see following pages)

Cat. No. 2255 AC 117V Line Cord (replacement)
Cat. No. 2243 Globe Strob 500 (baretube accessory)

GLOBE STROB OUTFITS

Globe Strob 250 HV, Standard, Less battery
Cat. No. 2307

Globe Strob 250 HV, Deluxe, Less battery
Cat. No. 2308

GLOBE STROB

Globe Strob is a new line of accessory lamps for better quality flash shots.

- They provide soft natural fill lighting.
- They provide soft direct lighting from camera.
- 2 or more can illuminate an entire room with even lighting.
- Complete with 5' power cords.
- Have standard shutter trip cord receptacle (accepts Graflex Slave/Sync).

- Include standard ¼-20 tripod socket in base for easy mounting.
- Plug in Flash tube fully enclosed.
- Accessory reflector tube available.
- Adapter cords for Stroboflash available.
- 5' extension power cords available.
- Under normal conditions requires opening Lens diaphragm 2 f/stops. (Use Graflex Strob Meter 2280 for correct exposure information).
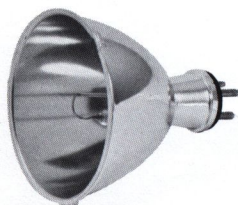

Flash Tube for Globe Strob Sockets
Replacement flash tube for 2243 and 2343.
Cat. No. 2247

Reflector Flash Tube for Globe Strob Sockets
Replaces bare tube to provide directional lighting. Same reflector as used in Strob 250 and Strob 500 lampheads and provides same amount of light on subject. Use calculators from those lampheads for exposure determination.
Cat. No. 2246

Globe Strob 500 Accessory†
Provides bare tube flash with Strob 500 Power Pack and with adapter cord No. 2260 with Stroboflash power pack. 5' power cord permanently attached. Has standard tripod socket in base to accept various mounts. Provides soft "natural" lighting. Accepts Graflex Sync/Slave for remote tripping. Average conditions require f/2 stops larger setting. at setting.
Cat. No. 2243

Globe Strob 500 Clamp
Includes Globe Strob 500 described above, complete with swivel-type, rubber-covered spring clamp for attachment to furniture and other supports.
Cat. No. 2777 Clamp only
Cat. No. 2244—Globe Strob 500 w/Clamp


Globe Strob 250 Accessory*
Bare tube unit complete with capacitor handle and attached 5' coiled power cord for Strob 250 power pack. When used in multiple can be connected to Strob 500 power packs and with adapter cord Stroboflash power packs. Provides "natural" lighting. Under average conditions requires 2 f/ stops larger settings.
Cat. No. 2343

†Globe Strob 500 may be used with Strob 350 power packs.
  *Globe Strob 250 may be used with Strob 500 power packs, subject to certain limitations. When so used, the ECPS of the Strob 500 pack is added to that of the Strob 250 flash gun.
  1. Special instructions for joining the two banks of capacitors MUST be followed. Write for details.
  2. To avoid shortening the life of the flash tube, use at least one additional lamphead, any type, Strob 250, Strob 500 or Stroboflash.

For Power Packs <u>with</u> Capacitors and Batteries see listings under complete outfits.
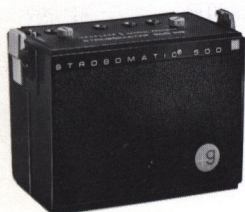
All Strob 500 Bases snap lock to Strob 500 Power Top to make complete Power Pack. All bases are waterproof up 3½" from bottom.

All Strob 500 and 250 Pack housings are made of high impact Cycolac®.

Strob 500 RG Base Only

Contains necessary circuitry to raise voltage from rechargeable battery to charge capacitors in top. Includes an exclusive automatic monitor circuit regulating recycling to obtain maximum standby power with minimum battery drain.

Strob 500 RG Base less battery, less charger
Cat. No. 2238

Strob 500 RG Base with battery, less charger
Cat. No. 2234

Strob 500 RG Base with battery, with charger
Cat. No. 2235

Strob 500 HV Base Only

Housing for holding high voltage battery No. 2292. Cushion padding protects battery against shock.

Strob 500 HV Base less battery
Cat. No. 2237

Strob 500 HV Base with battery
Cat. No. 2236

Strob 500 AC Base Only

Operates from 117V AC outlet by means of transformer rectifier circuit. Lightest weight of the 3 bases. Standard 20' AC Cord supplied as a part of this Strob 500 AC Base.
**Cat. No. 2239**

Strob 250 HV Battery Case

Only 3½" x 7½" x 2". Contains heavy duty recess-mounted terminal position for maximum handling convenience. On-off switch with illuminated button as pilot light. Top of case, held by snap latches, has safety interlock to discharge system when lifted off to change battery. Designed for 510 volt battery No. 2390 (No. 497 or equivalent)
Strob 250 HV Battery Case
Cat. No. 2315
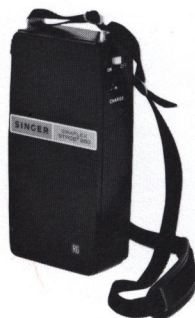
Strob 250 RG Battery Pack

Contains rechargeable batteries and features 3-hour recharge capability using Strob RG Universal Charger No. 2291. Provides 75 flashes per charge. May also be charged from 12 volt automobile circuit using cord 2253. Recycle time 8.5 seconds. Automatic monitor system for battery conservation and regulated light output within ¼ f/stop. Illuminated button on switch as flashing pilot light. Interchangeable with HV pack and has same dimensions. Solid state circuitry. Total weight 1 lb., 9 oz.

Strob 250 RG Battery Pack with charger (No. 2291)
Cat. No. 2316

Strob 250 RG Battery Pack, less charger (No. 2291)
Cat. No. 2317

Strob 350 Power Pack

Lightweight power pack with built-in rechargeable batteries. Requires only 3 hours totally recharging time. Complete with full, one-half and off switch and indicator light. Automatic monitoring system. Weighs only 4¼ pounds. Uses Strob charger Cat. No. 2291.

Strob 350 Power Pack with charger
Cat. No. 2370

Strob 350 Power Pack less charger
Cat. No. 2371

Stroboflash IV Power Pack

Power top contains capacitor bank and 4-way power selection switch, and base accepts two 225 volt batteries Complete with wide, heavy duty strap.

Power pack for Stroboflash IV less batteries
Cat. No. 2106

Strob 500HV Battery

450 volt dry battery designed especially for Strob 500. Has approximate 12 month shelf, provides approximately 1000 flashes at full power. May be boosted with Strob Booster/Analyzer, Cat. No. 2294.
Strob 500 HV Battery
Cat. No. 2292

Strob 500 RG Battery

A special 35 watt hour dry nickel camium battery designed especially for Strob 500. Will deliver over 200 flashes per charge at full power. 16 hour full recharging cycle. Install by merely slipping into compartment in Strob 500 RG base. Uses charger (No. 2291) or 12V Charging Cord (No. 2253).
Strob 500 RG Battery
Cat. No. 2293

510 Volt Battery for Strob 250

One required Eveready 497 or equal. Provides up to 1500 flashes with Strob 250.
510 Volt battery for Strob 250
Cat. No. 2390

240 Volt Battery for Stroboflash I

Eveready 491 or equal. Provides 1500 flashes. 2 batteries required. May be boosted with No. 2294.
240 Volt battery for Stroboflash I
Cat. No. 2097

225 Volt Battery for Stroboflash II, III, and IV

Eveready 489 or equal
2 required. Provides 1000 flashes with Stroboflash IV at full power. May be boosted with No. 2294.
225 volt battery for Stroboflash II, III and IV.
Cat. No. 2092

Strob RG Battery Charger

For rechargeable batteries. Provides 16-hour total recharging for Cat. No. 2293 Strob 500 battery or 3-hour recharge for Strob 250 RG Pack (No. 2317). For nickel cadmium battery use only.
Strob RG Universal Charger
**Cat. No. 2291**

Automobile Supply Strob Charger Cord

For recharging nickel cadmium batteries while driving between assignments. Plugs into cigarette lighter receptacle and uses 12 volt supply 'rom automobile system. Usable with Strob 250 RG and Strob 500 RG Power Packs, providing rapid recharge with the former.
Automobile Supply Strob Charger Cord
Cat. No. 2253

Strob 250 AC Adapter, Model II

Replaces Strob 250 Battery Packs, plugs into 117V AC outlets. Provides 4-5 sec. recycling time. Complete with 20' power cord. Not a battery charger.
Strob 250 AC Adapter
Cat. No. 2392
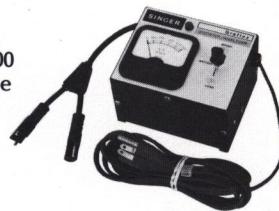
Graflex Strob Booster/Analyzer

Dual purpose unit for use with all Graflex-made electronic flash. (Replaces older Stroboflash No. 2095 Booster and No. 2096 Analyzer). Requires use of adapter cord (No. 2260) for Stroboflash Packs. Analyzes condition of Stroboflash, Strob 250 and Strob 500 high voltage batteries under load. Shows condition of capacitors in power top of Stroboflash and Strob 500. Boosts all high voltage batteries to provide up to double the number of flashes otherwise obtainable. Not usable with nickel cadmium rechargeable batteries.
Strob Booster/Analyzer
Cat. No. 2294

Rubber Battery Case Adapter

Replacement in Strob 500 and Stroboflash outfits. Attaches to mounting socket of all lampheads, and to conventional battery case or mounting tube.
Cat. No. 2068

Lamphead Mounting Tube (2070)

With top and bottom Graflite clamps (2771) for mounting Stroboflash and Strob 500 lampheads on cameras or brackets with Graflite mounting plate (2754) attached.
Cat. No. 2071
Mounting tube only.
Cat. No 2070

Graflite Battery Case Clamps

Top and bottom clamps for all Graflite battery cases and Graflex-made mounting tubes, Globe Strob handles and Strob 250 flashgun handle. Quick, positive action, heavy duty design.
Cat. No. 2771

Graflite "L" Bracket

Includes flash mounting plate, for 35mm and other small cameras. Attaches to camera by tripod socket. Mounting plate (2754) accepts any flash unit fitted with Graflite heavy duty mounting clamps (2771).
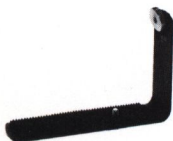**Cat. No. 2758**

Graflite Platform Bracket

Includes flash mounting plate, for mounting to reflex and similar cameras. Attaches to tripod socket. Mounting plate (2754) accepts any flash equipment fitted with Graflite heavy duty mounting clamps (2771).
Cat. No. 2759

Lamphead "L" Bracket

Mounts Stroboflash and Strob 500 lampheads with ¼-20 screw. Bracket attaches to 35mm and similar type cameras.
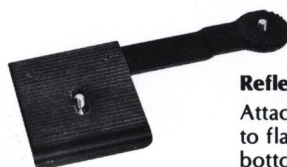**Cat. No. 2065**

Universal Flat Mounting Bracket

Attaches to camera tripod socket and to flash unit by ¼-20 screw engaging bottom of battery case, flashgun handle, etc.
Cat. No. 2757

Reflex Mounting Bracket

Attaches to camera tripod socket and to flash unit by ¼-20 screw engaging bottom of battery case, flashgun handle, etc.
Cat. No. 2760

Handle Kit for Globe Strob 500

Black metal mounting tube 6" long supplied with screws to attach to Globe Strob 500 (2243). Will accept heavy duty mounting clamps (2771).
Cat. No. 2245

Flash Head Spring Clamp

Heavy duty spring clamp with swivel top and ¼-20 screw to fit into any flash head as well as Graflite Extension flash socket (replacement in Cat. No. 2778, Graflite side lighting unit). (Replacement in Globe Strob 500 accessory 2244).
Cat. No. 2777

Mounting Adapters

Screw into base of Strob 500 lamphead to permit attachment to top of power pack or to tripod socket adapter of Multi-Grip.

Short adapter ¾" long. Replacement in Strob 500 outfit. Also part of No. 7383 Multi-Grip.
Cat. No. 7385

Long adapter 1¾" long. (accessory) When fitted to base of xlrf allows convenient vertical holding of camera with Multi-Grip handle.
Cat. No. 7390

Tripod Socket Adapter Kit

Includes short mounting adapter No. 7385, and round mount receptacle, replacement in xl Multi-Grip No. 7383. Receptacle has standard ¼-20 thread for attachment to tripod or other similar support. Permits quick on-off attachment or release of camera or flash lamphead fitted with 7385 or 7390.
Cat. No. 7384

FOR STROB 500, 350, 250, STROBOFLASH

Strob 500 Lamphead, 52° Angle

Built-in slave feature with Slave/Sync switch. Accurate flash calculator marked with same power control symbols found on power pack, ready light indicating 84% of full charge (down ½ f/stop). Open flash button, human-engineered for easy and accurate hand aiming for "painting". With adapter cord 2257 may be used with Stroboflash power packs.
Cat. No. 2241

Strob 250 Flashgun*

Lamphead with attached capacitor handle for Strob 250, Battery packs, 52° coverage, accurate flash calculator, open flash button, ready light indicating 84% of full charge (down ½ f/stop).
Cat. No. 2340

Wide Field Deflection Lens

Designed for Strob 500 and Strob 250 lampheads. Increases angle of view to 52 x 80°. Reduces exposure approximately ½ stop.
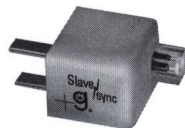**Cat. No. 2242**

Stroboflash Lamphead

Thyratron triggering circuit. approximate angle 63°. When used as extension flash requires No. 2050 extension cord. With adapter cord 2257 may be used with Strob 500 packs.
Cat. No. 2025

Graflex Slave/Sync

Solid state unit converts any electronic flash into a slave unit, equally sensitive in sun light as well as indoors, with tripod socket for positive replacement. Use on any extension cord. (see 2266)
Cat. No. 2265

Graflex Strob Meter

Compact meter designed to indicate correct exposure for electronic flash. Automatically compensates for ambient light. Compact, cordless with built-in battery and test setting.
Cat. No. 2280

Strob 350 Lamphead

Same as Strob 500 Lamphead but without built-in Slave feature. Calculator designed for Strob 350 power pack output.
Cat. No. 2380 Strob 350 Lamphead.

Strob 250 Flash Gun (No. 2340)
Strob 250 Globe Strob (No. 2343)

May be used with Strob 500 power packs, subject to certain limitations. When so used, the ECPS of the Strob 500 pack is added to that of the Strob 250 flash gun.

1. Special instructions for joining the two banks of capacitors MUST be followed. Write for details.

2. To avoid shortening the life of the flash tube, use at least one additional lamphead, any type, Strob 250, Strob 500 or Stroboflash.

FOR HEAVY DUTY PROFESSIONAL USE

All connecting cords have molded two-blade right angle, household type plugs for fitting to Graflite and similar battery cases, with the exception of the Solenoid Cords which have straight, two-blade, male household type plugs.

The shutter and solenoid tip fittings are easy to grip, make firm contact and are molded with built-in strain relief features.

- U.S. Made
- Heavy Gauge Wire
- Soldered Connections
- All Cords Polarized
- Molded Fittings
- Low Leakage
- Will Last Longer

Bi-Post Synchronized Shutter Cords for use with shutters having male ASA double post fitting.
20" Straight cord
Cat. No. 2701

36" Expand-O-Cord
Cat. No. 2810

Cap Cord. Small with DIN (pc) fitting for Compur shutters and foreign-made cameras.
20" Straight cord
Cat. No. 2721

36" Expand-O-Cord
Cat. No. 2821

Bayonet Shutter Cord for Kodak 800 and similar shutters with the bayonet post.
36" Expand-O-Cord
Cat. No. 2808

Solenoid Cords for fitting to standard Graflex-made solenoid releases
20" Straight Cord
Cat. No. 2703

36" Expand-O-Cord
Cat. No. 2809

15' Extension Cord for connecting Graflite and similar flash units to extension flash units. Has 2-blade polarized male plug on both ends.
Cat. No. 2706

Sync Extension Cord. 25' cord with male plug on one end and female plug on other. Extends working distance from camera to lamphead (Part of Portable Lighting Outfit 2270).
Cat. No. 2719

Super Graphic Y Cord. Attaches to outlet in Super Graphic Body and to outlets in Graflite Battery Case. Permits tripping shutter and flash from electric shutter release button on camera or micro switch on Graflite.
Cat. No. 2802
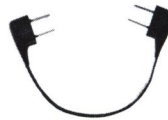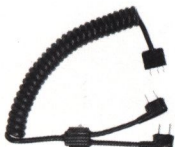
Super Graphic Jumper Cord. Permits use of Strob 500 and Stroboflash when using Y cord and Graflite. Attaches to extension outlet of Graflite and trip socket on Stroboflash and other electronic flash lampheads.
Cat. No. 2805
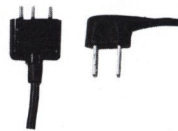
Electronic Flash Cord for Super Graphic. 48" Expand-O-Cord connects flash to Super Graphic Camera. Camera switch is used to operate shutter and flash.
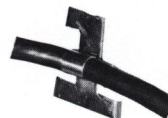Cat. No. 2801

xl Flash Cord. Replacement, attaches to xl shutter contact and anchors to xl mounting bracket...removes strain from shutter contact when camera or flash unit is moved while connected.
Cat. No. 7492

20" Synchronized Shutter Cord. For older Graflex battery cases for shutters with ASA Bi-Post connections.
Cat. No. 2517

Expand-O-Cord Clip. Attaches shutter or solenoid cord to front standard of 4 x 5 Pacemaker or Super Graphic Camera, relieving strain from shutter contacts and solenoid mount.
Cat. No. 2711

Right Angle Connector Plug. For use on shutters having ASA Bi-Post sync shutter connections. Allows use of connecting cords on cameras where cord can not be fitted straight on, as in recessed lensboard for Graphic View II.
Cat. No. 2588

STROB 500, STROB 250, STROBOFLASH
Description Includes Identification of Plugs at Each End.
For Shutter Trip Cords, See Page F-13

7' Adapter Cord
Stroboflash female plug. Strob 250, 500 cord plug. Permits use of Stroboflash lamphead with Strob 500 packs and with Booster 2095 and Analyzer 2096, (now discontinued).
Cat. No. 2256

6" Adapter Cord
Stroboflash male plug. ST-500 lamphead plug. Permits use of Strob 500 lamphead with Stroboflash power packs.
Cat. No. 2257

Stroboflash Adapter Cord
Stroboflash male plug to Strob 250, 500 cord plug. 5" allows use of Stroboflash I, II and IV power packs with Globe Strobs 500 and 250 and Strob 250 flashgun. Note: When latter is used special precautions must be observed. Required for use of Booster/Analyzer No. 2294 with all Stroboflash power packs.
Cat. No. 2260

Slave/Sync Extender
Standard 117V plugs, male to female. 12" stiff flexible cord for positioning Slave/Sync above or to side of electronic flash lamphead.
Cat. No. 2266

20' AC 117V Line Cord
Replacement with Strob 500 AC Power packs.
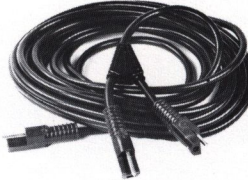**Cat. No. 2255**
6' AC 117V Line Cord
Cat. No. 2254

Strob 500 Coiled Power Cord (replacement)
Strob 500 lamphead plug. Strob 500 power pack.
Cat. No. 2251*

Strob 500 20' Straight Cord
Strob 500 lamphead plug. Strob 500 power pack. Interchangeable with 2251.
Cat. No. 2252*

Strob 250 5' Coiled Power Cord Replacement
Strob 250 lamphead plug to Strob 250 battery pack, Strob 500 power pack.
Cat. No. 2350

Strob 250 and 500 Extension Y Cord
Strob 250, 500 cord plugs on all 3 ends. 20' long to permit use of multiple lamps with Strob 500 power packs and Strob 250 battery pack.
Cat. No. 2258*

5' Extension Cord for Strob 250 and Strob 500
Strob 250, 500 cord plugs on both ends. Provides 5' additional distance from end of Globe Strob cords and standard cords 2251 and 2350 to respective power packs.
Cat. No. 2259*

Stroboflash 20' High Voltage Extension Power Cord
Has Stroboflash plugs on both ends. Permits multiple use of Stroboflash lampheads with Stroboflash power packs.
Cat. No. 2050

*Also usable with Strob 350

NOTE: All cords for Strob 500 are usable with Strob 350.

GRAFLITE SOLENOID SYNCHRONIZERS

Graflite Flash Synchronizers are designed for solenoid use with shutters requiring external synchronization and for electrical release of most synchronized shutters. Multiple purpose circuit controller affords the selection of 3 circuits and use of increased voltage to flash lamps without need for solenoid adjustment or extra booster attachment...Attaches and removes from camera by pressing just one button. Includes 3 cell battery case with clamps, 5" reflector (or 7" reflector) solenoid and mount, plus listed connecting cord. Order proper battery case support separately. Supplied less batteries.

Complete, with 5" reflector, 20" solenoid cord
Cat. No. 2736

Complete, with 7" reflector, 20" solenoid cord
Cat. No. 2738

Complete, with 5" reflector, 36" solenoid Expand-O-Cord
Cat. No. 2836

Cpmplete, with 7" reflector, 36" solenoid Expand-O-Cord
Cat. No. 2838

Install and Sync solenoid on new Graflex supplied lens
Cat. No. 9460

Solenoid with Mount

No. 2 Solenoid with M-2 Mount, installed on new lens
Cat. No. 2534

GRAFLITE FLASH UNITS

For cameras with built-in synchronization

Two cell or three cell battery case with mounting clamps and with 5" or 7" reflectors. Order battery case mounting device and connecting cord separately.

No. 25 two cell, 5" Reflector
Cat. No. 2725

No. 27 two cell, 7" Reflector
Cat. No. 2727

No. 35 three cell, 5" Reflector
Cat. No. 2735

No. 37 three cell, 7" Reflector
Cat. No. 2737

GRAFLITE JUNIOR

Uses either two size "D" Batteries or Graflite 2-cell BC cartridge. Accepts extensions. 2-cell battery case and 5" reflector. Listed below with recommended mounting devices.

With Universal Flat Mounting Bracket No. 2757
Cat. No. 2850

With Reflex Mounting Bracket No. 2760
Cat. No. 2851

With Heavy-Duty Mounting Clamps No. 2771
Cat. No. 2852

GRAFLITE ACCESSORIES AND COMPONENTS

Extension Flash. Includes socket, 15' extension cord and spring clamp. Socket includes both Series (BC) and parallel (battery) outlets. Order 5" or 7" reflector as needed.
Cat. No. 2778

Graflite 5" Adjustable Reflector. For bayonet base flash lamps.
Cat. No. 2745

Graflite 7" Reflector. For medium screw base lamps.
Cat. No. 2747

2-Cell Graflite Battery Case. With clamps—replacement.
Cat. No. 2772

3-Cell Graflite Battery Case. With clamps—replacement.
Cat. No. 2773

For Graflex xl Cameras, Century Graphic (2¼″ x 3¼″), 4 x 5 Graphic and Other Cameras with Graflok Backs.

For Medium Format

For 4 x 5

For 70mm

RH/8
- 8 Exposures on 120 Size Film
- Large 2¼″ x 3¹/₁₆″ ·Negative
- Gives widest angle Coverage

For Graflex xl and Other Medium Format Cameras with Graflok Back.
Cat. No. 1290

For Graflex Graphic 4 x 5 and Other 4 x 5 Cameras with Graflok Back
Cat. No. 1294

RH/10
- 10 Exposures on 120 Size Film
- "Ideal Format" (2¼″ x 2¾″) enlarges to 8 x 10 without cropping.

For Graflex xl and Other Medium Format Cameras with Graflok Back.
Cat. No. 1291

For Graflex Graphic 4 x 5 and Other 4 x 5 Cameras with Graflok Back.
Cat. No. 1295

RH/12
- 12 Exposures on 120 Size Film
- Square Negative —2¼″ x 2¼″.
- Ideal for Making Slides for 35mm Projectors

For Graflex xl and Other Medium Format Cameras with Graflok Back.
Cat. No. 1292

For Graflex Graphic 4 x 5 and Other 4 x 5 Cameras with Graflok Back.
Cat. No. 1296

RH/20
- 20 Exposures on 220 Size Film
- "Ideal Format" (2¼″ x 2¾″) Enlarges to 8 x 10 Without Cropping.

For Graflex xl and Other Medium Format Cameras with Graflok Back.
Cat. No. 1293

For Graflex Graphic 4 x 5 and Other 4 x 5 Cameras with Graflok Back.
Cat. No. 1297

RH/50
- 50 Exposure "Ideal Format".
- Uses 70mm Film, Perforated or Non-Perforated.
- Exposed Film Can Be Removed At Any Time for Processing—Continue Shooting On Remainder of Roll.

For Graflex xl
Cat. No. 7351

For 4 x 5 Graphics and Other Cameras with Graflok Back.
Cat. No. 1240

Carriages for Roll Film Holders
- Available for 8, 10, 12 and 20 exposures.
- Can be pre-loaded for faster operation on the job.
- Carriage can be positioned in holder for either left or right hand operation.

Cat. No. 1207 for RH/8
Cat. No. 1208 for RH/10
Cat. No. 1209 for RH/12
Cat. No. 1210 for RH/20
Cat. No. 1206 for RH/50
Cat. No. 7013 Pair of cassettes (70mm) for RH/50.

EXTRA SLIDES FOR GRAFLEX HOLDERS

Cat. No. 1432 for 2¼″ x 3¼″ Roll Holders
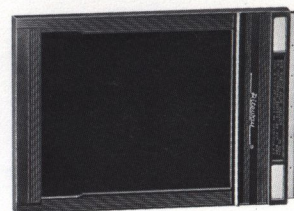**Cat. No. 1418** for 4″ x 5″ Roll Holders
Cat. No. 1434 for 4″ x 5″ Polaroid
Cat. No. 1440 for xl Polaroid

Graphic Riteway Film Holders

Holds two sheets of 4" x 5" cut film. The most accurate film position of any holder on the market today. An unconditional two year warranty. For 4" x 5" Graphic Cameras and others using standard Graphic Holders.
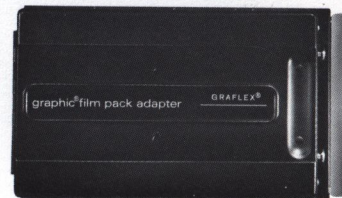
Cat. No. 1285 Box of three
Cat. No. 1444 Replacement slide
Cat. No. 1288 With hard rubber slides for certain color films
Cat. No. 1289 Box of three Cat. No. 1288
Cat. No. 1644 Replacement hard rubber slide

Graphic Film Pack Adapters

Accommodates daylight loading, 16 exposure film packs—fits Graphic or Graflok back. Film pack offers convenience when a large number of shots must be made away from a dark room and when space limitations prevent the use of standard film holders. Special throat prevents light leak when tearing tab.

For 2¼" x 3¼" Cameras
Cat. No. 1232
Cat. No. 1432 Replacement slide
For 4" x 5" Cameras
Cat. No. 1234
**Cat. No. 1434** Replacement slide

Grafmatics

(For Graflok back only) Film holders are actually sheet film magazines, accommodating 6 sheets of film in one loading. This gives multiple exposure convenience with the important advantages of sheet film. Fast film interchange makes it especially valuable for sequence shooting. A counter dial tells at a glance how many pictures have been taken and a visible signal automatically indicates when film is uncovered and ready for exposure—

barely thicker than the usual double film holder. Provision is made for identification tabs. The 4" x 5" size has an exclusive numbering dial which photographs an identification number (consecutively 1 to 6) on the edge of the film.
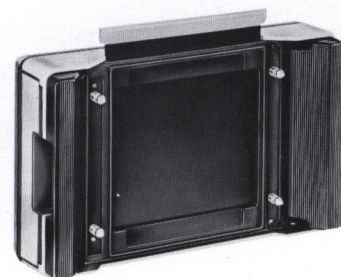
For 4" x 5" Cameras
Cat. No. 1268
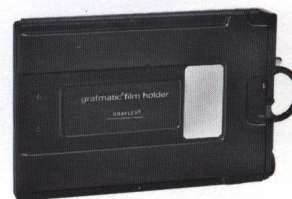
Set of 6 Grafmatic Septums, replacement
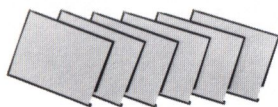
Cat. No. 1558 For 2¼" x 3¼"
Cat. No. 1560 For 4" x 5"

Polaroid Pack Film Holder for xl Camera

- Fits all xl Camera Bodies.
- Easily attached with quick snap action.
- No attaching accessories needed.
- Accept Polaroid 107 (B&W) or 108 Color Film.

Cat. No. 7350

HOLDER SLIDES FOR GRAFLEX MADE HOLDERS

Cat. No.	Size		Slide Size
	Roll Holders		
1432	2¼ x 3¼—120-220		2⅝ x 4²⁵⁄₃₂
1418	4 x 5—120-220		2⅝ x 5²¹⁄₃₂
1440	2¼ x 3¼, 4 x 5—70mm		2¹³⁄₁₆ x 5¹¹⁄₁₆
	Film Pack Adapters		
1432	2¼ x 3¼ Graphic and Graflex		2⅝ x 4²⁵⁄₃₂
1434	4 x 5 Graphic and Graflex		4⁷⁄₃₂ x 6¹⁵⁄₃₂
Plate Holders			
1413	3¼ x 4¼ Graphic and Graflex		3⁹⁄₁₆ x 5⁵⁄₃₂

Cat. No.	Size		Slide Size
	Film Holders		
1442	2¼ x 3¼ Film—Graphic Type 5		2⁹⁄₁₆ x 4²⁷⁄₃₂
1413	3¼ x 4¼ Film—Graphic and Graflex		3⁹⁄₁₆ x 5⁵⁄₃₂
1443	3¼ x 4¼ Film—Graphic Type 5		3⁹⁄₁₆ x 5¾
1444	4 x 5 Film—Graphic, Type 4, 5, Riteway		4⁹⁄₃₂ x 5¹³⁄₃₂
	Polaroid		
1434	4 x 5 for No. 9108 Roll		4⁷⁄₃₂ x 6¹⁵⁄₃₂
1410	xl for No. 7350 Pack		4¹⁄₃₂ x 4⁷⁄₁₆

Lens Fitting Kits

Graflex-supplied lenses have been selected to provide the camera user with a good choice of top quality lenses made by the world's foremost manufacturers.

In selecting a lens, consideration should be given to the type of photographs for which it will be used.

LENS DATA CHART
Shutter, Flash and Fitter Information For Lenses Listed In This Section

Focal Length	Name of Lens	Lens Speed	Shutter Speed	Sync	Filter Mount Diameter		Required Connecting Cord	Lens Cat. No.	Lens Kit No. For Century Graphic	Lens Kit No. For Pacemaker 45	Lens Kit No. For Super Graphics
					Slip On	Screw In					
47mm	Schneider Super Angulon	—	—		—	—	—	*	—	—	—
80mm	Noritar	f/2.8	1-1/500	MX	Series 7	55mm	2721 or 2821	304	9705	—	—
100mm	Noritar	f/3.5	1-1/500	MX	42mm, Series 6	40.5mm x .5mm	2721 or 2821	342	9704	—	—
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

*Not available from Graflex

SUGGESTED GRAFLEX-LISTED LENSES BY FOCAL LENGTHS IN MILLIMETERS

Type of Lens	Graflex-Supplied Cameras			
	XL	Norita	Century	4 x 5
Wide Angle	47, 58	40, 55	47, 65	65, 90
Medium Short	80	55	80	127, 135
Normal	100	80	100	135, 150
Long	100, 150	80	100	150
Telephoto	180, 270	160, 240	—	270

LENS FITTING

Graphic cameras factory supplied with a lens have been custom fitted. Since the optical focal length of a lens may vary from the nominal marked focal length, rangefinder cams, focusing scales and adjustments must be matched or set for each individual lens.

Orders for extra or replacement lenses should include a LENS FITTING kit which will include all of the correct parts inclusive of lensboard (cams, focusing scale, and viewfinder mask where applicable) for fitting the lens to the customer's camera. These kits are listed with each lens for those cameras with which the lens is normally used. If the lens is to be supplied fitted to the kit add:

Cat. No. 9470 Fit lens to kit

If lens is to be fitted to a new camera on the same order this should be specified.

Lensboards

Pacemaker lensboards are of precision construction and may be ordered cut to accept specific lens and shutter combinations as indicated in the chart at right. Each cut lensboard is supplied with suitable shutter release arm to be actuated by the body release where applicable when requested, or when supplied with lens ordered from Graflex, Inc. Lensboards for shutters not listed may be ordered. Order blank lensboard and specify opening diameter. Service charge for cutting **Cat. No. 9475** applicable.

Used For	Century† 23 Cat. No.	Pacemaker† 45 Cat. No.	Super Graphic
To Be Cut As Required	9151	9181	9700
No. 0 Prontor SVS	9213	—	—
No. 1 Wollensak, Graphex	—	9187	9701
No. 2 Wollensak, Graphex	9241	9186	9702
No. 00 Compur	9214	9215	—
No. 0 Compur	9238	9191	9704
No. 1 Compur (DIN Fitting)	9218	9190	9706
No. 1 Graphic Synchro-Compur	9218	9190	9705
No. 0 Copal		9178	—

†Lightweight aluminum lensboards

SUGGESTED LENS TYPES FOR COMMON USES

	Wide Angle	Medium-short	Normal	Long	Tele-photo
Aerial			X	X	
Architectural	X	X		X	
Closeups			X		
Groups	X	X	X		
Industrial	X		X	X	
Interior	X				
Landscapes			X	X	X
Personal			X		
Portraits, head and shoulders				X	X
Portraits, full length			X	X	
Public Relations		X	X		
Special effects (distortion)	X				
Sports	X		X	X	X
Weddings		X	X		

INFINITY STOPS

Pair of stops with special screws for attachment to track on camera bed.
Cat. No. 9100 Pair Infinity Stops

FOCUSING SCALES

All sets include a focusing scale, an index scale and attaching parts. The focusing scale has engraved distance figures. For accuracy, the scale must be matched to the specific lens used. The user should scribe the index marks as determined by the focusing of his lens.

Cat. No. 9193 Engraved unlined scale set for WA lens.
Cat. No. 9194 Engraved unlined scale set for 101-107mm lens.
Cat. No. 9195 Engraved unlined scale set for 124-129mm lens.
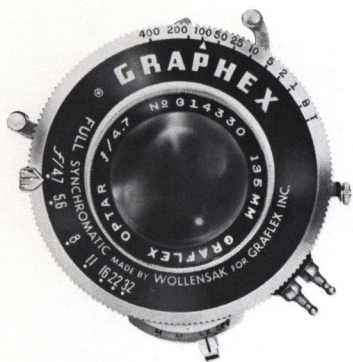**Cat. No. 9196** Engraved unlined scale set for 135-152mm lens.
Cat. No. 9197 Engraved unlined scale set for 152-250mm lens.
Cat. No. 9198 Engraved unlined scale set for over 250mm lens.
Cat. No. 9192 Blank scale (no engraving)

If a "nominal" scale with index marks for a given length is desired such sets can be ordered by specifying the lens to be used. Graflex cannot guarantee the accuracy of such a scale.
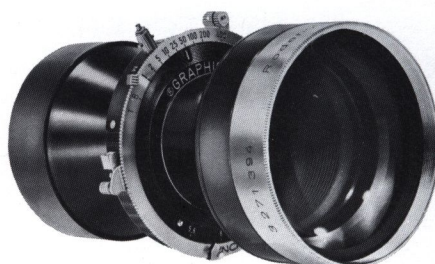**Cat. No. 9480**

FOR 4 x 5 CAMERAS

Graflex Optar lens in full sync Graphex shutter. Well known for their outstanding performance when used for many different types of photography.

135mm Graflex Optar f/4.7 Lens
Cat. No. 244

Lens Fitting Kit for No. 244 for Pacemaker Graphic 45
Cat. No. 9812

Lens Fitting Kit for No. 244 for Super Graphic 45
Cat. No. 9822

TELEPHOTO LENSES

These lenses are widely used for distant photography, portrait photography and for special effects when compressing large areas such as street scenes into small fields.

270mm Rotelar f/5.6 Lens in No. 1 Synchro Compur shutter. Provides 2X magnification of 135mm lens. Shutter with top speed of 1/400 can be solenoid-synchronized.
Cat. No. 580

Lens Fitting Kit for No. 580 for Pacemaker Graphic 45 Camera
Cat. No. 9745

Lens Fitting Kit for No. 580 for Super Graphic Camera
Cat. No. 9748

LENS FITTING KITS
For Commonly Used Lenses Not Currently Listed by Graflex

Focal Length	Name	Lens Speed	Shutter	Lens Kit For Century Graphic	Lens Kit For Pacemaker 45	Lens Kit For Super Graphic 45
90mm	Angulon	f/6.8	#0 Copal	—	9815	9825
90mm	Super Angulon	f/8	#0 Compur	—	9810	9820
127mm	Optar	f/4.5	#2 Graphex	—	9763	9766
150mm	Rodenstock Ysarex	f/4.5	#1 Compur	—	9814	9824
150mm	Schneider Xemar		#1 Compur	—	9816	9746

35mm SLR LENSES FROM NORITA

The Noritar 17 Lens, unlike the Fish-Eye Lens, minimizes distortion for Super-Wide Angle photography. Features are:
- Maximum brightness
- High resolution
- Extremely compact design

SPECIFICATIONS:
Type: 11 elements in 10 groups
Aperture: F4-16
Focal Length: 17mm
Focusing Range: 1 ft. to infinity
Diaphragm: Automatic
Angle of View: Diagonal: 103 degrees
Horizontal: 92 degrees
Vertical: 70 degrees
Filter Size: 77mm
Length: 75mm
Weight: 450 gm (15.9 oz.)
Lens hood: Built-in
Case: Included
Lens Mount: **Cat. No. 2-17NR Nikon;**
Cat. No. 2-17CS Canon;
**Cat. No. 2-17PC Pentax;**
Cat. No. 2-17LC Leica.

The Noritar 135 Lens is the fastest and brightest in its class. The amazing "LIGHT-GATHERING" power of this new optical miracle coupled with High-Speed film simplifies low light photography in the theater, sports arena, or for special news events, even at night.

SPECIFICATIONS:
Type: 8 elements in 6 groups plus one filter
Aperture: F1.4-16
Focal Length: 135mm
Focusing Range: 6 ft. to infinity
Diaphragm: Pre-Set
Angle of View: Diagonal: 18 degrees
Horizontal: 15 degrees
Vertical: 10 degrees
Filter Size: 40mm
Length: 193mm
Weight: 3,140 gm (6.9 lbs.)
Lens hood: Built-in
Case: Included
Lens Mount: **Cat. No. 2-135NR Nikon;**
Cat. No. 2-135CS Canon;
Cat. No. 2-135PC Pentax;
Cat. No. 2-135LC Leica.
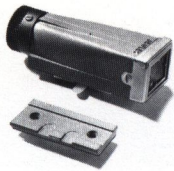
Graphic Optical Viewfinder

Complete with interchangeable mask and mounting plate that allows 2-position placement of viewfinder for most convenient viewing. Extra masks available. May be adjusted for parallax.
Cat. No. 9136
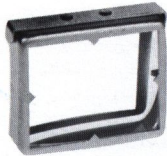
Wide Angle Viewfinder Adapter

Adapts all 4 x 5 Optical Viewfinders to show the field of view included by 90mm wide angle lenses. Slips into front of viewfinder the same as a mask.
Cat. No. 3060
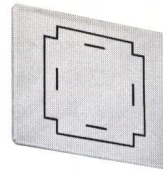
Sports Viewfinder Masks

For 4 x 5 Pacemaker and Super Graphic Cameras

For telephoto lenses and 4 x 5 negatives
Cat. No. 9101

For normal lenses and RH/8, RH/12 roll holders
Cat. No. 9102

For normal lenses and ideal format— RH/10, RH/20, RH/50 roll holders
Cat. No. 9103

Masks for Optical Viewfinder

Masks viewfinder area to conform to negative image for different film size and different focal length lenses. Specify film size and lens focal length when ordering.
Note: See below for mask chart.
Cat. No. 9105

Mask Catalog Number	2¼ x 2¼ Picture Size	2¼ x 2¾ Picture Size	2¼ x 3¼ Picture Size	3¼ x 4¼ Picture Size	4 x 5 Picture Size
		Focal Length of Lenses in Millimeters			
9105-4	—	70- 84	78- 82	114-121	127-149
9105-3	—	86- 90	83- 98	122-133	150-162
9105-2	—	92-105	100-114	135-152	164-168
9105-9	—	110-125	116-127	154-178	170-216
9105-10	—	127-138	129-152	179-203	217-241
9105-11	—	140-162	154-191	205-216	243-267
9105-8	—	164-191	192-197	217-305	268-343
9105-7	—	192-227	198-241	307-352	344-381
9105-6	—	229-267	243-302	354-406	383-429
9105-12	100-114	—	—	—	—
9105-13	243-302	—	—	—	—
9105-14	116-127	—	—	—	—
9105-15	129-152	—	—	—	—
9105-17	154-191	—	—	—	—
9105-20	78- 90	—	—	—	—
3060 W.A. Adapter	—	47- 69	47- 75	—	82- 98

Cat. No. 9105 Mask Selection Chart for various film sizes (not camera sizes)

RANGEFINDERS, CAMS, ACCESSORIES

GRAPHIC 45

Super Graphic cameras and Pacemaker Graphic 45 cameras with Graphic Rangefinders accept interchangeable cams allowing rangefinder to synchronize with the focusing of almost any lens which may be fitted to the camera. Since all lenses vary slightly in actual optical focal length, cam accuracy can be assured only if the specific lens is sent to a Graflex Service Dept. for determination of exact focal length. If the lens can not be sent in, Graflex will supply a cam for the "nominal" focal length of the lens to be used. It may or may not correctly synchronize the rangefinder with the lens in question.

Standard Cams

For lenses having focal length from 90mm to 38cm (380mm).
For Super Graphic and Super Speed Graphic Cameras.
Cat. No. 3021
For Pacemaker Graphic Cameras
Cat. No. 3011

Service Charge

For optically measuring exact focal length of lens. No Service Charge applicable to cam ordered for lens at time of purchase of lens from Graflex.
Charge for measuring focal length.
Cat. No. 9473
Note: Cams for Super Graphic and Super Speed Graphic Cameras are not interchangeable with those for Pacemaker Graphic Cameras.

Graphic Rangescope

For Graphic Rangefinder. Magnifies rangefinder image making possible more critical focus. 1.5x power. Also useable with Kalart Rangefinder.
Cat. No. 3055

Table of Close Rangefinder Focusing Distances

Lenses	Pacemaker Graphic	Super Graphic
127mm	3'8"	3'
135mm	4'	3'4"
152mm	5'	4'2"
162mm	5'8"	4'8"
203mm	10'	6'9"
10"	12'-14'	10'-11'
270mm (10⅝")	15'	11'
15"	27'-30'	22'-25'

GRAPHIC 23

Kalart Rangefinder

The Kalart lens coupled Rangefinder was originally designed for press photographers. Properly adjusted to your lens, it provides sharp, critical focusing automatically.

E-6-C for 80mm to 150mm lenses factory fitted on new Century Graphics at time of purchase.
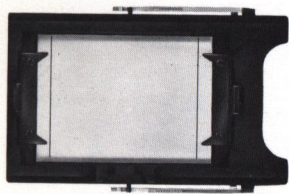**Cat. No. 3101**

E-6-A with connecting arm for Pacemaker 23.
Cat. No. 3105

E-6-C with connecting arm for Century.
Cat. No. 3102

Graflok Focusing Panels

All have selected ground glass for sharpest focusing. Some have Ektalite Field Lens producing a bright image over entire viewing area, for easier, quick check of image. Not recommended if focusing magnifier is used.
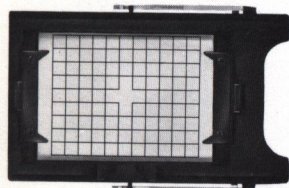
For 2¼ x 3¼ cameras, with ideal format limit lines 2¼ x 2¾
Cat. No. 9283 plain ground glass
Cat. No. 9284 with Ektalite
Cat. No. 9276 with grid lines and Ektalite
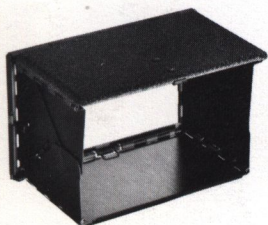For 4 x 5 Pacemaker with Ektalite
Cat. No. 9281

Removable Viewing Hoods

Four sided metal, folding. Open at touch of finger. Close neatly and compactly. Snap onto focusing panel.
For 2¼ x 3¼ panel
Cat. No. 9145
For 4 x 5 panel
Cat. No. 9147

Graflok Backs and Frames

Frame only. Attach directly to Pacemaker Graphic Cameras. Widely adapted to other cameras. Frame includes slide lock. Accepts focusing panel.
For PM Graphic 23
Cat. No. 9090
For PM Graphic 45
Cat. No. 9113
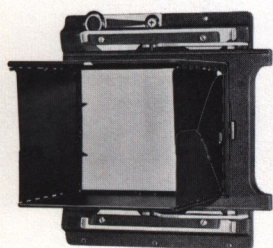
Graflok back frames with focusing

panels accept removable viewing hoods.
For PM Graphic 23
Cat. No. 9292
With Ektalite for PM Graphic 23
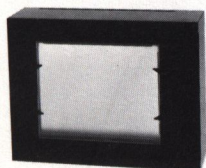**Cat. No. 9289**
For PM Graphic 45
Cat. No. 9115

Focusing Panel for Polaroid Land Roll Film Holder

Special panel construction allows ground glass focusing and composition when using Polaroid Land Roll Film Holder. Ground glass is set back to match image plane of the Film Holder.
For 3¼ x 4¼ Polaroid Land Roll Film Holder (fits 4 x 5 cameras).
Cat. No. 9288

Carrying Case

Handy, rugged, lightweight, constructed of durable vulcanoid features separate compartments to hold camera and accessories, inclusive of Graflite battery case, 5" reflector, holders, camera and other accessories.
9" x 17½" x 19¾"

Cat. No. 4268 For 4" x 5" Graphics
See Graphic and xl section for other cases.
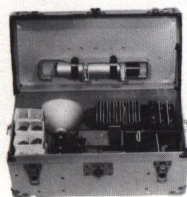
CABLE RELEASES
Cable Release and Clip

For use with Pacemaker and Century 23. Permits left hand shutter tripping. Attaches to camera with screws, enhances versatility of left hand.
Cable Release and Clip only
Cat. No. 5896
Cable Release and Clip installed on new camera.
Cat. No. 9457

xl Body Cable Release and Mount

Has long swivel tip for easy attachment to shutter. Attaches to side of xl Camera bracket when Multi-Grip is not used. Kink-resistant Coroplast covering resists dirt and water. 18" long.
Cat. No. 7382

Heavy-Duty Cable Release

Professional quality with easy-grip swivel tip. Coroplast covering. 18" long. (Replacement in multi-grip)
Cat. No. 7394

18" Locking-Type Heavy-Duty Cable Release

Professional quality with Easy-Grip swivel tip. Use with Graflex xl Camera Systems and all shutters. Permits time exposures and ground glass focusing, with shutters lacking "T" settings.
Cat. No. 7393

FILM HOLDERS FOR GRAFLOK GRAPHIC BACKS
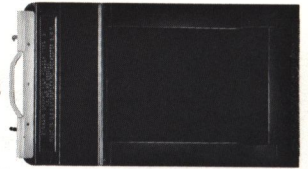
Graphic Sheet Film Holder

Holds two sheets of cut film. Constructed of selected hard cherry wood. Patented spring-finger light trap and improved covering prevents light leak, extends holder life.

For 3¼" x 4¼" Cameras with Graphic or Graflok Backs
Cat. No. 1213
Cat. No. 1217 Box of three Cat. No. 1213
Cat. No. 1443 Replacement slide

Graphic Riteway Film Holders

Holds two sheets of 4" x 5" cut film. The most accurate film position of any holder on the market today. An unconditional two year warranty. For 4" x 5" Graphic Cameras and others using standard Graphic Holders.
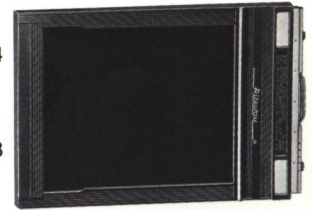
Cat. No. 1284
Cat. No. 1285 Box of three Cat. No. 1284
Cat. No. 1444 Replacement slide
Cat. No. 1288 With hard rubber slides for certain color films
Cat. No. 1289 Box of three Cat. No. 1288
Cat. No. 1644 Replacement hard rubber slide

Graphic Film Pack Adapters

Accommodates daylight loading, 16 exposure film packs—fits Graphic or Graflok back. Film pack offers convenience when a large number of shots must be made away from a dark room and when space limitations prevent the use of standard film holders. Special throat prevents light leak when tearing tab.
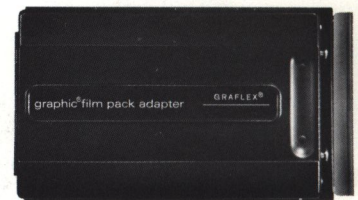
For 2¼" x 3¼" Cameras
Cat. No. 1232
Cat. No. 1432 Replacement slide
For 4" x 5" Cameras
Cat. No. 1234
Cat. No. 1434 Replacement slide

Grafmatics

(For Graflok back only) Film holders are actually sheet film magazines, accommodating 6 sheets of film in one loading. This gives multiple exposure convenience with the important advantages of sheet film. Fast film interchange makes it especially valuable for sequence shooting. A counter dial tells at a glance how many pictures have been taken and a visible signal automatically indicates when film is uncovered and ready for exposure— barely thicker than the usual double film holder. Provision is made for identification tabs. The 4" x 5" size has an exclusive numbering dial which photographs an identification number (consecutively 1 to 6) on the edge of the film.
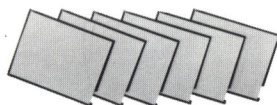
For 2¼" x 3¼" Cameras
Cat. No. 1266
For 4" x 5" Cameras
Cat. No. 1268

Set of 6 Grafmatic Septums, replacement

Cat. No. 1558 For 2¼" x 3¼"
Cat. No. 1560 For 4" x 5"