

K O D A K
C O U N T E R
G U I D E **F O R**
L E N S & S H U T T E R A T T A C H M E N T S

L E N S M O U N T D I A M E T E R S O F
K O D A K C A M E R A S
O T H E R C A M E R A S
C I N E - K O D A K C A M E R A S
O T H E R M O V I E C A M E R A S

C O M B I N A T I O N L E N S A T T A C H M E N T S

K O D A K L E N S A D A P T E R S F O R
C I N E - K O D A K C A M E R A S
O T H E R M O V I E C A M E R A S

K O D A K F L A S H E Q U I P M E N T

F I L T E R D A T A F O R K O D A K C O L O R F I L M S

E A S T M A N K O D A K C O M P A N Y • R O C H E S T E R 4 , N . Y .

LENS MOUNT MEASURE

For Determining Correct Size of Kodak Combination Lens Attachments for Lenses Which Take Slip-On Adapter Rings

How To Order Kodak Combination Lens Attachments

Kodak Adapter Rings, slip-on type—by diameter, inches or mm.

Kodak Adapter Rings, screw-in type—by number.

Kodak Wratten Filters—by series number and variety (Series 5, Kodak Wratten Filter No. 25 (A), etc.)

Retaining Rings, Pola-Screens—by series number.

Kodak Portra and Telek Lenses—by series number and power (1+, 2-, etc.).

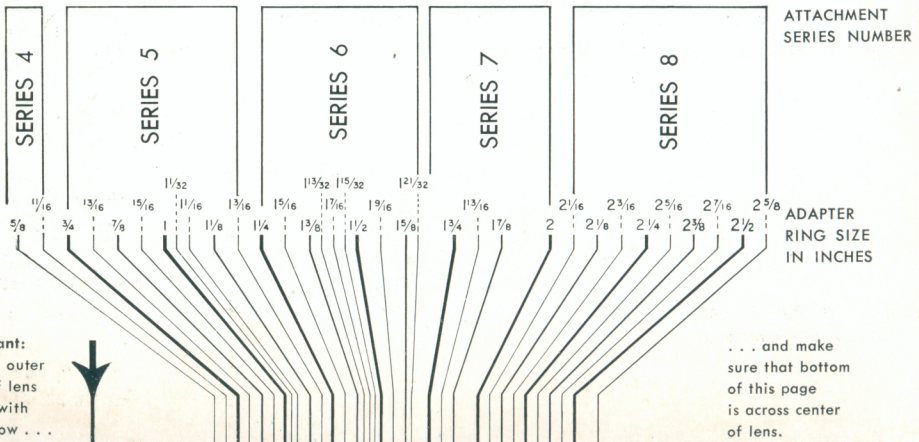
DIRECTIONS

To measure the outside diameter of a lens mount for selecting the proper slip-on Adapter Ring, lay Lens Mount Measure scale across *center* of lens with arrow (↕) on the outside of the lens mount.

The position of the other side of the lens mount on the scale will show the Adapter Ring Size in inches and the Series number of all Kodak Combination Lens Attachments for that lens directly.

If no listed size provides an exact fit, select the next larger size listed. The clamp prongs can be bent slightly to grip the lens mount firmly.

Note: While slipping the Adapter Ring on and off the lens mount, it is advisable to brace the lens or lens standard.



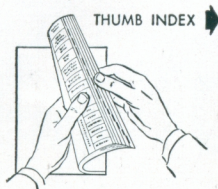
KODAK COUNTER GUIDE FOR LENS AND SHUTTER ATTACHMENTS

Kodak Combination Lens Attachments provide matched accessories fitting nearly all cameras. The Kodak Adapter Ring is the basic attachment. It is obtainable in a range of sizes to fit practically any camera having a lens mount measuring from $\frac{5}{8}$ to $2\frac{5}{8}$ inches in diameter. After obtaining the proper size Adapter Ring, the camera owner can then add to his equipment by acquiring Supplementary Lenses, Kodak Wratten Filters, the Kodak Pola-Screen or Lens Hood. All are designed so that they can be used individually or in any appropriate combination with each other.

This book has been provided to facilitate the selection of these attachments in the proper size. The cameras are arranged according to the negative size in order to aid in referring to a given model. If there is doubt as to the model of a particular camera or if a camera is not included in this list, the proper Lens Attachment size can be found by using the Lens Mount Measure on the opposite page.

On pages 4 and 5 are tables for easy reference to the listed sizes of the various Kodak Combination Lens Attachments, Adapter Rings, and Kodak Close-Up Attachments.

In addition to containing Kodak, Brownie, and Cine-Kodak Cameras, this reference list includes lenses for press, view, and similar cameras; enlargers and enlarger accessory lenses; Kodak Cable Releases, Kodak Cine Lens Adapters, and Kodak flash equipment.



Punched to fit the Kodak
Photographic Notebook.

Combination Lens Attachments

Table—Sizes of Comb. Attachments

Lens Diameters—Kodak Cameras

35mm, 828,
Duaflex

Reflex
Six-20

Six-16

Recomar

Brownie
Cameras

Table—Sizes of Close-up Attach.

Lens Diameters of Other Still Cameras

Lens Diameters of Separate Lenses

Diameters of Kodak Enlarger Lenses

Cine-Kodak Cameras, Lenses

Other Movie Camera Lenses

Lens Adapters for Other Movie Cameras

Lens Adapters for Cine-Kodak Cameras

Filters and Their Uses

Kodak Flash Equipment

Filters for Outdoor Use

Kodak Combination Lens Attachments

and other Photographic Aids

Kodak Combination Lens Attachments—a complete assortment of lens accessories—are available for use on practically all lenses having mounts measuring from $\frac{5}{8}$ to $2\frac{5}{8}$ in. (16.5 to 67 mm) in diameter for which either slip-on or screw-in mounts are feasible.

The unique design of these attachments permits their use either as a single unit, such as a filter, or as a combination of units, such as a filter and lens hood.

Kodak Adapter Rings form the basis of the Kodak Combination Lens Attachments and are supplied in a wide variety of sizes to slip on a lens mount, or screw in to a threaded lens mount. To avoid loosening the front element of some lenses, take care that the adapter ring is not screwed in too tightly. The adapter ring provides a flange into which any of the various attachments can be fitted. The flange is one of six sizes designated by a series number. Lenses with mounts of $\frac{5}{8}$ and $\frac{11}{16}$ in. diameter use Series 4; $\frac{3}{4}$ to $1\frac{3}{16}$ in., Series 5; $1\frac{1}{4}$ to $1\frac{3}{2}$ in., Series 6; $1\frac{3}{4}$ to 2 in., Series 7; $2\frac{1}{16}$ to $2\frac{5}{8}$ in., Series 8; and 72 and 77 mm (threaded), Series 9 Attachments.

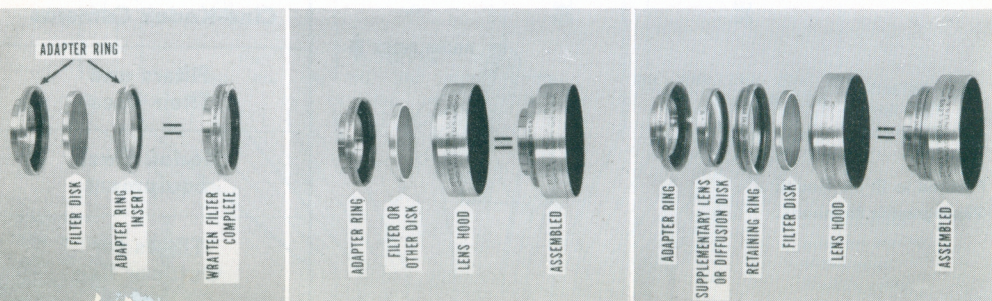
Kodak Adapter Ring Inserts are part of the Kodak Adapter Rings, and they are also supplied separately on special order. They hold filter disks, supplementary lenses, etc. in place. When the Adapter Ring is used with a Kodak Lens Hood or a Kodak Pola-Screen, these attachments replace the Adapter Ring Insert. Adapter Ring Inserts are available in Series 4 to 9.

Kodak Retaining Rings screw into the Adapter Rings and are used between two filters or a supplementary lens and a filter, when both are used simultaneously. Retaining Rings are marked Series 4, 5, 6, 7, or 8.

Kodak Step-Up Rings have external threads to fit one Series and internal threads to fit the next larger Series; thus users of two or more lenses requiring two adjoining Series sizes can use a single set of attachments. Kodak Step-Up Rings are marked Series 4-5, 5-6, 6-7, 7-8.

Kodak Lens Hoods are supplied in five standard sizes (Series 4 to 8). For the Kodak Bantam Special and Retina II, IIa and Retinette Cameras, a Series 6-A Lens Hood is recommended. It can be used with other Series 6

2



Attachments. Kodak Lens Hoods should be used cautiously with wide-angle lenses, since the hood may cut into the picture.

Kodak Gelatin Filter Frame Holders can be attached to enlarger lenses by means of Kodak Adapter Rings with Inserts. They are supplied in three series only, Series 6 Holder for 2-inch Kodak Gelatin Filter Frame, Series 8 Holder for 3-inch Kodak Gelatin Filter Frame and Series 9 Holder for 4-inch Kodak Gelatin Filter Frame or Kodak Wratten Filters in "B" glass, 2-, 3- or 4-inch squares. In case a lens calls for a Series 5 or 7 Adapter Ring, Filter Frame Holders can be fitted by means of a Kodak Step-Up Ring and Kodak Adapter Ring Insert.

Kodak and Kodak Wratten Filters in many varieties for black-and-white and color photography are carried in stock to fit all six series of Kodak Adapter Rings. Some varieties, however, are normally supplied only in certain specific sizes. Varieties and sizes not regularly carried in stock are available on special order. The most popular filters for black-and-white photography are Kodak Wratten Filters A, C5, G, K2, and X1.

Gelatin Film Filters for Color Photography: Kodak Color Compensating (CC) Filters and Kodak Light Balancing Filters are normally supplied in gelatin film squares. Some are also supplied cemented in "B" glass squares, and in "B" glass to fit Kodak Adapter Rings. Complete information is available on request.

Kodak Supplementary Lenses: Kodak Portra Lens 1+ is supplied in Series 4, 5, 6, and 7; Portra Lens 2+ in Series 4, 5, 6, and 7; Portra Lens 3+ in Series 4, 5 and 6.

Kodak Telek Lenses 1-, 2-, 3-, 4-, are supplied in Series 6 and 7.

Kodak Pola-Screens are furnished in six sizes (Series 4 to 9 inclusive).

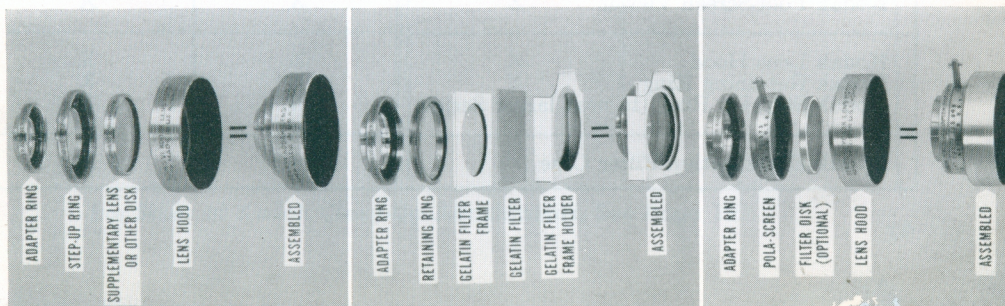
Kodak Pola-Screen Viewer can be attached to the Pola-Screen handle.

Kodak Combination Filter Case: The Kodak Combination Filter Case is a sturdy leather case which holds four filters, a Kodak Adapter Ring, and a Kodak Lens Hood. Two sizes are available for Series 5 and Series 6 attachments.

Other Kodak Lens Attachments

Kodak Cloud Filters and Kodak Close-Up Attachments—complete as units and not combinable—are also available for a number of still cameras.

Some attachments are available in W, and Z mounts for *Cine-Kodak Cameras*.



KODAK SCREW-IN ADAPTER RINGS AND CAMERAS THEY FIT

Adapter Ring No.	Cameras Fitted
41	Cine-Kodak Reliant with Ektanon 13mm f/1.9 with Ektanon 13mm f/2.7 Lenses: Kodak Cine Ektanon 13mm f/1.9 Kodak Cine Ektanon 13mm f/2.7 Kodak Cine Ektanon 38mm f/2.8
42	Bell & Howell with Anate 12.5mm f/2.5 Briskin - all models Franklin - all models Keystone - many models with Wollensak Lenses Perfex - all models Revere - many models with Wollensak Lenses Revere with Nikkor 13mm f/1.9 with Revere 1/2-inch f/2.5 with Revere 1/2-inch f/2.7 with Revere 1/2-inch f/3.5 Universal Cine Master 8 (all models) Lenses: Bell & Howell Ansix 1-inch f/2.5 Wollensak Cine Raptor 1/2-inch f/2.5 Wollensak Cine Raptor 1/2-inch f/3.5 Wollensak Cine Raptor 1-inch f/2.5 Wollensak Velostigmat 12.5mm f/1.9 Wollensak Velostigmat 12.5mm f/2.5 Wollensak Velostigmat 12.5mm f/2.7 Wollensak Velostigmat 12.5mm f/3.5
43	Brownie Movie with Ektanon 13mm f/2.7 Bell & Howell with Super Comat 1/2-inch f/1.9
44	Argus C-3 with Cintar 50mm f/3.5 Argus C-2 with Cintar 50mm f/3.5 Argus C with Cintar 50mm f/3.5 Leica with Elmar 50mm f/3.5 with Elmar 35mm f/3.5
45	Keystone with Elgeet 1/2-inch f/1.9 with Elgeet 1/2-inch f/2.5 with Elgeet 1/2-inch f/2.8 with Wollensak Anastigmat 1/2-inch f/2.5 with Wollensak Anastigmat 1/2-inch f/1.9 Revere with Elgeet 13mm f/1.9 with Wollensak Anastigmat 1/2-inch f/1.9 with Wollensak Anastigmat 1/2-inch f/2.5 with Wollensak Raptor - click stop - 13mm f/2.5 with Somoco 12.7mm f/2.5 Lenses: Elgeet 12.5mm f/1.9 Elgeet 1/2-inch f/2.5 Wollensak Raptor - click stop - 13mm f/2.5 Wollensak Raptor - spr. diaph. - 1/2-inch f/2.5
46	Bell & Howell Model 220 with Super Comat 10mm f/2.5 Bell & Howell Model 252 with Super Comat 10mm f/2.5 Lenses: Taylor Hobson Cooke 1 1/2-inch f/3.5
47	Ampro with Elgeet 1/2-inch f/1.9 with Wollensak Cine Raptor 1/2-inch f/2.5 Bell & Howell with Comat F.F. 1/2-inch f/2.5 DeJur - all models Keystone with Wollensak 1-inch f/2.5 Revere with Wollensak 1-inch f/2.7 with Elgeet 13mm f/1.9 w./depth focus Lenses: Bell & Howell Telate 1 1/2-inch f/3.5 Bell & Howell 1-inch f/2.7 Elgeet F.F. 13mm f/1.9 Wollensak Cine Raptor 1/2-inch f/1.9 Wollensak Cine Rapt-Tele 1-inch f/2.5 Wollensak Cine Raptor F.F. 13mm f/2.7 Wollensak Cine Raptor (old style) 17mm f/2.7

SERIES 4

Adapter Ring No.	Cameras Fitted
47 (Cont)	Lenses: Wollensak Cine Raptor 1-inch f/3.5 Wollensak Cine Raptor 1 1/2-inch f/2.7 Wollensak Cine Raptor 1 1/2-inch f/3.5
22	Kodak Signet 35 f/3.5 Kodak Bantam RF f/3.9 Cine-Kodak Royal with Ektar 25mm f/1.9 with Ektanon 25mm f/2.8 Cine-Kodak Magazine 16 and 16A with Ektar 25mm f/1.9 Lenses: Kodak Cine Ektar 25mm f/1.9
51	Ciro 35 with Wollensak f/3.5 Ciro 35 with Wollensak f/4.5 Exa, Exacta, Practica, Practiflex with Xenon 25mm f/1.5
52	Bell & Howell with Super Comat 1-inch f/1.9 Bolex Stereo Bolex with Lytar 1-inch f/1.9 with Pizar 1-inch f/1.5 (Visifocus) with Pizar 1-inch f/1.9 (Visifocus) with Pizar 26mm f/1.9 (Visifocus) with Switar 1-inch f/1.4 (Visifocus) with Switar 1-inch f/1.9 (Visifocus) Lenses: Bell & Howell Super Comat W.A. 17mm f/2.5 Bell & Howell Kinic 1-inch f/1.5 Bell & Howell Lumax 1-inch f/1.9 Bell & Howell .7 Switar 16mm f/1.8 (Visifocus) Yvar 16mm f/2.8 (Visifocus) Yvar 75mm f/2.8 (Visifocus) Yvar 100mm f/3.3 (Visifocus)
53	Contaflex with Tessar 45mm f/2.8 Contessa with Tessar 45mm f/2.8 Contina with Tessar 45mm f/2.8 Ikonta 35 with Tessar 45mm f/2.8 with Tessar 45mm f/3.5
54	Airesflex f/3.5 Mamiyaflex f/3.5 Microcord f/3.5 Rolleicord f/3.5 Rolleiflex f/3.5
24	Kodak Ektra with Ektar 50mm f/1.9 Lenses: Kodak Television Ektanon 50mm f/1.9
25	Kodak Ektra with Ektar 50mm f/3.5 Lenses: Kodak Television Ektanon 50mm f/3.5
26	Argus C-4 Iloca Quick A 45mm Iltitar f/3.5 Iloca Quick B Iltitar f/2.9 Iloca Stereo 35mm Iltitar f/3.5 Kodak Ektra with Ektar 35mm f/3.3 Realist 35 Vitessa with Ultron 50mm f/2 Vito III with Ultron 50mm f/2
27	Cine-Kodak Special with Cine Ektar 25mm f/1.9 with Cine Ektar 25mm f/1.4 Lenses: Bausch & Lomb Aninar 26mm f/1.0 Bausch & Lomb Aninar 26mm f/2.7 Kodak Cine Ektar 25mm f/1.9 Kodak Cine Ektar 25mm f/1.4 Kodak Cine Ektar 40mm f/1.6 Kodak Wide Field Ektar 80mm f/6.3*
28	Lenses: Kodak Cine Ektar 15mm f/2.5
29	Akarex with Xenon 50mm f/2 Baldinette with f/2 Edinex with Xenon 50mm f/2 Karomat, Karat with Xenar f/2.8 with Xenon f/2.0 Kodak Retina IIIc, IIa and II with Xenon f/2 Kodak Retina IIc and II with Xenar f/2.8 Kodak Retinette f/3.5

SERIES 5

SERIES 6

KODAK SCREW-IN ADAPTER RINGS AND CAMERAS THEY FIT

Adapter Ring No.	Cameras Fitted
61	Exa, Exacta, Practica, and Practiflex with Tele-Megor 150mm f/5.5 Ikoflex II-A, III with Tessar f/3.5 with Novar f/3.5
62	Exa, Exacta, Practica, and Practiflex with Tessar Pre-Set 50mm f/2.8 with Tessar Pre-Set 50mm f/3.5 with Westar 50mm f/2.8 with Biotar 58mm f/2 with Angulon 90mm f/6.8 with Westar 100mm f/4.5 with Angulon 105mm f/3.5 with Xenar 105mm f/3.5 with Angulon 120mm f/6.8 with Colinar 135mm f/3.8 with Travegon 135mm f/4.5 with Triotar 135mm f/4 with Xenar 135mm f/3.8

SERIES 6
(Cont)

Adapter Ring No.	Cameras Fitted
62 (Cont)	with Xenar Pre-Set 135mm f/3.5 with Tele-Xenar (Pre-Set) 180mm f/4.5 with Tele-Xenar (Pre-Set) 180mm f/5.5 with Tele-Xenar (Pre-Set) 240mm f/5.5 with Tele-Xenar 300mm f/5.5 with Biogon W.A. f/4.5 Balda with Baldax f/2.9 Contax with Biogon 35mm f/2.8 with Sonnar 50mm f/1.5 with Sonnar 50mm f/2 with Sonnar 85mm f/2 with Sonnar 135mm f/4 Niccot-Tower with Nikkor 50mm f/2 Rolflex II with Trinar 105mm f/3.5

SERIES 6

Series	Adapter Ring No.	Cameras Fitted
IX	91	Kodak Commercial Ektar 14-inch f/6.3
IX	92	Kodak Ektar 12-inch f/4.5

SOME COMMONLY USED KODAK SLIP-ON ADAPTER RINGS

Size	Inches	Cameras Fitted
24mm	15/16"	Kodak Flash Bantam Cine-Kodak Magazine 8mm f/1.9 Bolsley B & C Ciro R & S Argus 21 Bolex 8mm (many lenses)
27mm	1 1/16"	Bell & Howell (most 16mm) Retina I (or No. 21)
28.5mm	1 1/8"	Pony 135 Pony 828 Signet (also takes No. 22) Duaflex Rolleicord or Rolleiflex (takes No. 54)
30mm	1 3/16"	Ansco Ready Flash Speedex Argoflex 40

SERIES 5

Size	Inches	Cameras Fitted
31.5mm	1 1/4"	Graphic 35 Polaroid Land Kodak 35 RF Retina II Tourist Anaston f/4.5, f/6.3 Ciroflex B, C, D, E Graflex 22 Kine Exacta f/2.8
33mm	1 5/16"	Argus C-4 Anso Reflex Ciroflex F Bolex (most 16mm) Kodak Tourist Anastar f/4.5, f/8.8
38mm	1 1/2"	Kodak Reflex I and II Kodak Lenses (many 5 to 6 1/2 inch lenses for Press Cameras) Wollensak Lenses (many 5 to 6 1/2 inch lenses for Press Cameras)
42mm	1 21/32"	Leica with Summar f/2 Kine Exacta f/2

SERIES 6

KODAK MINIATURE CAMERAS	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Kodak Close-Up Attach- ment No.
			Mm	Inches	

Kodak 35mm Cameras • 24x36mm • Kodak 135 Film

Kodak Ektra	Ektar <i>f</i> /3.3, 35mm	6	Screw-in Adapter No. 26		
	Ektar <i>f</i> /3.5, 50mm	6	Screw-in Adapter No. 25		
	Ektar <i>f</i> /1.9, 50mm	6	Screw-in Adapter No. 24		
	Ektar <i>f</i> /3.5, 90mm	6	Use Series 5-6 Step-Up Ring*		
Kodak 35	Ektar <i>f</i> /3.8, 135mm } Ektar <i>f</i> /4.5, 153mm }	6	No Adapter Ring needed**		
	Anastigmat <i>f</i> /5.6	6	33.	1 ⁵ / ₁₆	7A
	Anastigmat <i>f</i> /4.5 } Anaston <i>f</i> /4.5 }	6	31.5	1 ¹ / ₄	5A
	Anastigmat Special <i>f</i> /3.5	6	31.5	1 ¹ / ₄	5A
	Kodak 35 with Range Finder	Anastigmat Special <i>f</i> /3.5	6	31.5	1 ¹ / ₄
Anastar <i>f</i> /3.5		6	31.5	1 ¹ / ₄	5A
Kodak Retina I and Ia		<i>f</i> /3.5	5	No. 21 Screw-in or	
		5	27.	1 ¹ / ₁₆	
Kodak Retina II, IIa, or IIc Kodak Retina II and IIc Kodak Retinette Kodak Retina Cutar 35mm	<i>f</i> /2	6	No. 29 Screw-in (except Ektar <i>f</i> /2 Lens) or		
	<i>f</i> /2.8		(slip-on)		
	<i>f</i> /4.5		31.5	1 ¹ / ₄	—
	<i>f</i> /5.6 Lens component		(Require Series 6-A Kodak Lens Hood)		
Kodak Retina IIc and IIc 80mm Longar	<i>f</i> /4 Lens component	8	60mm	2 ³ / ₈	
	Kodak Signet	Ektar <i>f</i> /3.5	5 No. 22 Screw-in or		
			28.5	1 ¹ / ₈	6A
Kodak Pony 135 and Kodak Pony 135, Model B	Anaston <i>f</i> /4.5	5	28.5	1 ¹ / ₈	6A

Kodak Stereo Camera • 23x24 • Kodak 135 Film or Kodachrome K335

Kodak Stereo Camera	23x24mm pair Matched Kodak Anaston Lenses, <i>f</i> /3.5 (L).	Accepts Series 5 Lens Attachments directly; insert rings supplied with camera.			
---------------------	--	--	--	--	--

Kodak Cameras • 28x40mm • Kodak 828 Film

Kodak Bantam	<i>f</i> /8	5	20.5	1 ¹³ / ₁₆	—
	Anastigmat <i>f</i> /6.3	5	19.	3 ³ / ₄	—
	Anastigmat <i>f</i> /5.6	5	24.	1 ¹⁵ / ₁₆	3
Kodak Flash Bantam	Anastigmat Special <i>f</i> /4.5 } Anastar <i>f</i> /4.5 }	5	24.	1 ¹⁵ / ₁₆	3
	Bantam R.F.	Ektanon <i>f</i> /3.9	5 No. 22 Screw-in or		
			5	28.5	1 ¹ / ₈
Kodak Bantam Special	Ektar <i>f</i> /2 (Requires Series	6	31.5	1 ¹ / ₄	5A
Kodak Pony 828	Anaston <i>f</i> /4.5	5	28.5	1 ¹ / ₈	6A

*A Series 5-6 Step-Up Ring can be screwed directly into this lens mount.

**Series 6 Attachments screw directly into these lens mounts.

KODAK DUO, DUAFLEX, REFLEX AND SIX-20 CAMERAS	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Kodak Close-Up Attach- ment No.
			Mm	Inches	
Kodak Duo Camera • 1½x2¼-in. • Kodak 620 Film					
Kodak Duo Six-20, Series II	<i>f</i> /3.5	5	27.	1 1/16	—
Kodak 2¼x2¼-in. Cameras • 620 Kodak Film					
Kodak Duaflex and Duaflex II	Kodet	5	28.5	1 1/8	6A
	Kodar <i>f</i> /8	5	28.5	1 1/8	6A
Kodak Reflex Kodak Reflex II	Anastigmat <i>f</i> /3.5	6	38.	1 1/2	—
	Anastar <i>f</i> /3.5				
Kodak Chevron	Ektar <i>f</i> /3.5	5 No Adapter Ring Needed*			
Kodak Six-20 Cameras • 2¼x3¼-in. • Kodak 620 Film					
Kodak Six-20	Single	5	24.	1 5/16	3
	Doublet with Shutter Plate No. 40832	5	19.	3/4	—
	Doublet with Shutter Plate No. 44069	5	25.5	1	13
	Doublet Focusing	5	28.5	1 1/8	6A
	K.A. <i>f</i> /6.3	5	25.5	1	13
	K.A. <i>f</i> /4.5				
	Diodak shutter	6	31.5	1 1/4	5A
	K.A. <i>f</i> /4.5				
	Compur shutter	6	33.	1 5/16	7A
	Kodak Special, Six-20	Any listed lens	6	31.5	1 1/4
Super Kodak Six-20	K.A. Spl. <i>f</i> /3.5	6	37.	1 13/32	—
Kodak Jiffy Six-20	Twindar	5	28.5	1 1/8	6A
Kodak Jiffy Six-20, Series II	Twindar	5	28.5	1 1/8	6A
Kodak Senior, Six-20	Bimat	6	31.5	1 1/4	5A
	K.A. <i>f</i> /6.3				
	Kodex shutter	5	28.5	1 1/8	6A
	K.A. <i>f</i> /7.7	6	33.	1 5/16	7A
	K.A. <i>f</i> /6.3				
	Diomatic shutter	6	31.5	1 1/4	5A
	K.A. <i>f</i> /4.5	6	31.5	1 1/4	5A
Kodak Junior, Six-20	Doublet	5	25.5	1	13
	K.A. <i>f</i> /6.3				
Kodak Junior, Six-20 Series II	K.A. <i>f</i> /6.3	5	25.5	1	13
	Single	5	19.	3/4	—
	Bimat	5	28.5	1 1/8	6A

*Lens Mount threaded to accept Series Attachment or Retaining Ring indicated.

KODAK SIX-20 CAMERAS	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Kodak Close-Up Attach- ment No.
			Mm	Inches	

Kodak Six-20 Cameras • 2¼x3¼-in. • Kodak 620 Film (cont.)

Kodak Junior, Six-20 Series III	K.A. f/8.8	6	33.	1 ⁵ / ₁₆	7A	
	K.A. f/6.3	5	28.5	1 ¹ / ₈	6A	
	K.A. f/4.5	6	31.5	1 ¹ / ₄	5A	
Kodak Tourist and Kodak Tourist II	Anastar f/4.5 (101mm)	6	33.	1 ⁵ / ₁₆	7A	
	Anaston f/4.5 (105mm)	6	31.5	1 ¹ / ₄	5A	
	Anaston f/6.3	6	31.5	1 ¹ / ₄	5A	
	Anaston f/8.8	6	33.	1 ⁵ / ₁₆	7A	
	Kodet	5	28.5	1 ¹ / ₈	6A	
	Kodak Vigilant Six-20	Anastigmat f/8.8 Kodar f/8.8	6	33.	1 ⁵ / ₁₆	7A
Anastigmat f/6.3 Kodex Shutter		5				
Anaston f/6.3		5	28.5	1 ¹ / ₈	6A	
Anastigmat f/6.3 Diomatic or Dakon Shutter		6	31.5	1 ¹ / ₄	5A	
Anastigmat f/4.5 (103mm)		6	31.5	1 ¹ / ₄	5A	
Anastigmat f/4.5 (105mm)		6	31.5	1 ¹ / ₄	5A	
Anaston f/4.5 (105mm)		6	31.5	1 ¹ / ₄	5A	
K.A. Spl. f/4.5 (100mm)		6	31.5	1 ¹ / ₄	5A	
K.A. Spl. f/4.5 (101mm)		6	33.	1 ⁵ / ₁₆	7A	
Kodak Vigilant Junior Six-20		Kodet Lens, Dak shutter	5	28.5	1 ¹ / ₈	6A
		Bimat Lens, Dakon shutter	6	31.5	1 ¹ / ₄	5A
Kodak Monitor Six-20		K.A. f/4.5 (103mm)	6	31.5	1 ¹ / ₄	5A
		K.A. f/4.5 (105mm)	6	31.5	1 ¹ / ₄	5A
	Anaston f/4.5	6	31.5	1 ¹ / ₄	5A	
	Anastigmat Special f/4.5 (100mm)	6	31.5	1 ¹ / ₄	5A	
	Anastigmat Special f/4.5 (101mm)	6	33.	1 ⁵ / ₁₆	7A	
	Anastar f/4.5	6	33.	1 ⁵ / ₁₆	7A	
Kodak Medalist Kodak Medalist II	Kodak Ektar f/3.5 (100mm)	6 No Adapter Ring Needed*				

*Lens Mount threaded to accept Series Attachment or Retaining Ring indicated.

KODAK SIX-16 CAMERAS	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Kodak Close-Up Attach- ment No.
			Mm	Inches	
Kodak Six-16 Cameras • 2½x4¼-in. • 616 Kodak Film					
Kodak Six-16	Single	5	25.5	1	13
	Doublet				
	Fixed Focus	5	25.5	1	13
	Doublet				
	Focusing	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/6.3				
	Diodak shutter	5	25.5	1	13
	K.A. f/6.3				
Kodak Senior, Six-16	Dakar shutter	5	28.5	1 1/8	6A
	K.A. f/4.5	6	33.	1 ⁵ / ₁₆	7A
	Bimat	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/6.3				
Kodak Special, Six-16	Kodex shutter	6	31.5	1 1/4	5A
	K.A. f/7.7	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/6.3				
	Diomatic shutter	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/4.5				
	Engraving on <i>side</i> of lens mount	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/4.5				
	Engraving on <i>front</i> of lens mount	6	38.	1 1/2	—
Kodak Junior, Six-16	K.A. Spl. f/4.5				
	Compur Rapid Shutter (Engraving on <i>side</i> of lens mount)	6	33.	1 ⁵ / ₁₆	7A
	K.A. Spl. f/4.5				
	Compur Rapid Shutter (Engraving on <i>front</i> of lens mount)	6	38.	1 1/2	—
	K.A. Spl. f/4.5				
	Kodamatic shutter	6	33.	1 ⁵ / ₁₆	7A
Kodak Junior, Six-16 Series II	K.A. Spl. f/4.5 in Supermatic shutter	6	38.	1 1/2	—
	K.A. f/6.3 } Doublet }	5	25.5	1	13
Kodak Junior, Six-16 Series III	K.A. f/6.3	5	25.5	1	13
	Single	5	25.5	1	13
	Bimat	6	33.	1 ⁵ / ₁₆	7A
Kodak Vigilant Six-16	K.A. f/8.8	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/6.3	6	31.5	1 1/4	5A
	K.A. f/4.5	6	38.	1 1/2	—
Kodak Vigilant Six-16	K.A. f/8.8	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/6.3	6	31.5	1 1/4	5A
	K.A. f/4.5				
	(Engraving on <i>side</i> of lens mount)	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/4.5				
	(Engraving on <i>front</i> of lens mount)	6	38.	1 1/2	—
K.A. Spl. f/4.5	6	38.	1 1/2	—	

KODAK SIX-16, NO. 3A, RECOMAR 18 AND 33 CAMERAS	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Kodak Close-Up Attach- ment No.
			Mm	Inches	

Kodak Six-16 Cameras • 2½x4¼-in. • Kodak 616 Film (cont.)

Kodak Jiffy Six-16	Twindar	6	33.	1 ⁵ / ₁₆	7A
Kodak Jiffy Six-16 Series II	Twindar	6	33.	1 ⁵ / ₁₆	7A
Kodak Vigilant Junior Six-16	Kodet Lens, Dak shutter	5	28.5	1 1/8	6A
	Bimat Lens, Dakon shutter	6	33.	1 ⁵ / ₁₆	7A
Kodak Monitor Six-16	K.A. f/4.5	6	38.	1 1/2	—
	K.A. Spl. f/4.5	6	38.	1 1/2	—

No. 3A Kodak Cameras • 3¼x5½-in. • Kodak 122 Film

3A Kodak, Series II	K.A. f/6.3	6	33.	1 ⁵ / ₁₆	7A
	K.A. f/4.5	6	42.	1 ²¹ / ₃₂	—
3A Kodak, Series III	K.A. f/6.3	6	33.	1 ⁵ / ₁₆	7A
No. 3A Pocket Kodak	Single Kodar f/7.9	5	28.5	1 1/8	6A
	K.A. f/7.7				
	K.A. f/6.3	6	33.	1 ⁵ / ₁₆	7A

Kodak Recomar • 2¼x3¼-in. • Kodak 520 Film Pack

Kodak Recomar 18	f/4.5	6	31.5	1 1/4	—
------------------	-------	---	------	-------	---

Kodak Recomar • 3¼x4¼-in. • Kodak 518 Film Pack

Kodak Recomar 33	f/4.5	6	42.	1 ²¹ / ₃₂	—
------------------	-------	---	-----	---------------------------------	---

KODAK CLOSE-UP ATTACHMENT SIZES

No.	Lens Mount Diameter		No.	Lens Mount Diameter	
	Mm	In.		Mm	In.
3	23.5	1 ⁵ / ₁₆	7A*	33	1 ⁵ / ₁₆
5A	31.5	1 1/4	13*	25.5	1
6A*	28.5	1 1/8	*Kodak Cloud Filter supplied in these sizes.		

BROWNIE CAMERAS	Kodak Close-Up Attach- ment No.	BROWNIE CAMERAS	Kodak Close-Up Attach- ment No.
Brownie Hawkeye, all models	13	Six-20 Brownie Junior	6A
Brownie Holiday, Dakon Kodet	6A	Six-20 Brownie Special	7A
	13	Six-16 Brownie	7A
Bullet Camera	3	Six-16 Brownie Junior	7A
Brownie Reflex	13	Six-16 Brownie Special	7A
Brownie Reflex, Synchro Model	13	Six-20 Bull's Eye	7A
Baby Brownie	3	Brownie Target Six-20	6A
Baby Brownie Special	3	Brownie Target Six-16	7A
Six-20 Brownie	7A	Brownie Flash Six-20	7A

STILL CAMERAS and LENSES of OTHER MANUFACTURE	Kodak Film Size	Series	Adapter Ring Size (Lens Mount Diameter)	
			Mm	Inches
<i>Anasco</i>				
Automatic Reflex	12-120	6	33.	$1\frac{5}{16}$
Karomat	135	6	No. 29 Screw-in or	
			31.5	$1\frac{1}{4}$
Regent	135	5	30.	$1\frac{3}{16}$
Speedex	12-120	5	27.	$1\frac{1}{16}$
Speedex Special	12-120	5	30.	$1\frac{3}{16}$
Speedex Special R	12-120	5	30.	$1\frac{3}{16}$
Viking f/6.3	8-120	5	28.5	$1\frac{1}{8}$
Viking Readyset	8-120	5	27.	$1\frac{1}{16}$
Rediflex	12-620		No. 6A Close-up Attachment or Cloud Filter	
			27.	$1\frac{1}{16}$
Titan	12-120	5		
<i>Argus</i>				
Argus A2 and FA	135	5	24.	$\frac{15}{16}$
Argus A4	135	5	30.	$1\frac{3}{16}$
Argus C2 and C3	135	4	No. 44 Screw-in	
Argus C4	135	6	No. 26 Screw-in or	
			33.	$1\frac{5}{16}$
Argoflex EM and EF	12-120	6	31.5	$1\frac{1}{4}$
Argus 21	135	5	20.5	$\frac{13}{16}$
Argus 40	12-620	5	30.	$1\frac{1}{16}$
Argus 75	12-620		No. 6A Close-up Attachment or Cloud Filter	
<i>Bell & Howell</i>				
Foton 2" T/2.2	135	6	38.	$1\frac{1}{2}$
<i>Bolsey</i>				
All 35mm cameras f/3.2	135	5	24.	$\frac{15}{16}$
<i>Canon</i>				
50mm f/1.8	135	6	42.	$1\frac{21}{32}$
50mm f/1.5	135	6	42.	$1\frac{21}{32}$
50mm f/3.5	135	6	36.5	$1\frac{7}{16}$
60mm f/1.5	135	8	60.	$2\frac{3}{8}$
135mm f/4	135	6	42.	$1\frac{21}{32}$
<i>Ciro</i>				
Ciroflex f/3.5	12-120	6	31.5	$1\frac{1}{4}$
Ciroflex f/3.2	12-120	6	33.	$1\frac{5}{16}$
35 f/4.5	135	5	24.	$\frac{15}{16}$
35 f/3.5	135	5	24.	$\frac{15}{16}$
35 f/2.8	135	5	30.	$1\frac{3}{16}$
<i>Dejur</i>				
Dejur Reflex f/3.5	12-120	6	31.5	$1\frac{1}{4}$
<i>Kine Exakta and Exa</i>				
50mm f/2.8	135	6	37.	$1\frac{15}{32}$
50mm f/3.5	135	5	28.5	$1\frac{1}{8}$
58mm f/2.0	135	6	42.	$1\frac{31}{32}$
58mm f/1.9	135	6	42.	$1\frac{31}{32}$

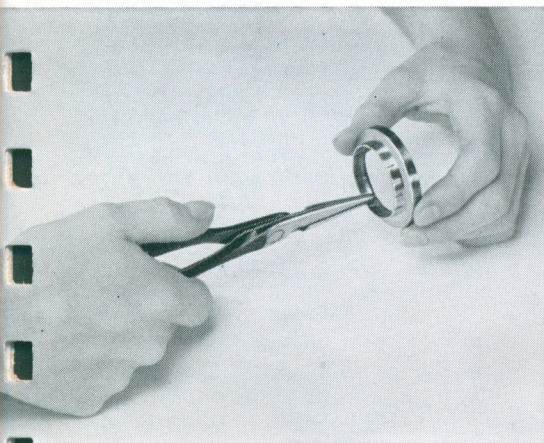
STILL CAMERAS and LENSES of OTHER MANUFACTURE (Cont.)	Kodak Film Size	Series	Adapter Ring Size (Lens Mount Diameter)	
			Mm	Inches
<i>Franke & Heidecke</i> Rolleicord & Rolleiflex			Special Bayonet Mount Required. Kodak lens Adapter Rings are not recommended.	
<i>Graflex</i>				
Graflex 22 f/3.5	12-120	6	31.5	1¼
Graflex 22 f/3.2	12-120	6	33.	1 ⁵ / ₁₆
Ciro 35 f/3.5	135	5	24.	1 ⁵ / ₁₆
Ciro 35 f/2.8	135	5	30.	1 ³ / ₁₆
<i>Hasselblad</i>				
80mm Ektar f/2.8	12-120	7	No adapter necessary	
135mm Ektar f/3.5	12-120	7	No adapter necessary	
<i>Iloca</i>				
Quick A f/3.5 } Quick B f/2.9 }	135	6	No. 26 screw-in or 31.5 ¼	
Stereo II f/4.5	335-135	5	No. 26 screw-in or 25.5 1	
<i>E. Leitz, Inc.</i>				
Leica Camera	135			
Hektor 28, 50, and 135mm		6	35.5†	1 ¹³ / ₃₂ †
Elmar 35 and 50mm		6	35.5† or	1 ¹³ / ₃₂ †
		4	No. 44 Screw-in	
90 and 135mm		6	35.5†	1 ¹³ / ₃₂ †
105mm		5	24.†	1 ⁵ / ₁₆ †
Summar Lens f/2		6	36.5†	1 ⁷ / ₁₆ †
Summitar 50mm		6	42.†	1 ²¹ / ₃₂ †
Sumicron Lens f/2		6	42.†	1 ²¹ / ₃₂ †
<i>Linhof*</i>				
Super Technica 23	65mm f/6.8 Sheet Film	6	31.5	1¼
	105mm f/3.5 Sheet Film	6	42.	1 ²¹ / ₃₂
	180mm f/5.5 Sheet Film	6	42.	1 ²¹ / ₃₂
Super Technica 45*	90mm f/6.8 Sheet Film	6	42.	1 ²¹ / ₃₂
	127mm f/4.7 Sheet Film	6	42.	1 ²¹ / ₃₂
	240mm f/5.5 Sheet Film	6	50.5	2
<i>Nikon</i>				
Nikon Model 5 f/1.4	135	7	44.5	1 ³ / ₄
f/2.0	135	6	42.	1 ²¹ / ₃₂
<i>Polaroid</i>				
Land, Model 95	No Kodak Film	6	31.5	1¼
Pathfinder f/4.5	No Kodak Film	6	38.	1 ¹ / ₂
<i>Practica</i>				
Practiflex (See Lenses Listed for Kine Exakta.)				

†A lens hood cuts on a wide angle, and all adapter rings cut the finder field. Other lenses require larger series attachments which are impractical because of finder cutting.

*Check for Kodak Lenses under separate list for Press, View and similar cameras.

STILL CAMERAS and LENSES of OTHER MANUFACTURE (Cont.)	Kodak Film Size	Series	Adapter Ring Size (Lens Mount Diameter)	
			Mm	Inches
<i>Robot</i>				
Robot II all lenses		6	42.	$1\frac{21}{32}$
Robot Star all lenses	135	6	42.	$1\frac{21}{32}$
<i>Ricohflex</i>				
Ricohflex VI f/3.5	12-120	6	36.5	$1\frac{7}{16}$
<i>Revere</i>				
Revere 33 Stereo f/3.5	335-135	4	No adapter necessary	
<i>Realist</i>				
Stereo Realist f/3.5	335-135	5	20.5	$\frac{13}{16}$ conceals diaphragm
<i>Tower</i>				
Tower 35 f/2 Nikkor	135	6	42.	$1\frac{21}{32}$
f/1.4 Nikkor	135	7	44.5	$1\frac{3}{4}$
<i>Videon</i>				
Videon II f/3.5	135-335	5	24.	$\frac{15}{16}$
<i>Viewmaster</i>				
Viewmaster Personal Stereo	135	5	No adapter necessary	

A Kodak Adapter Ring can be adjusted in diameter to fit a lens mount either slightly larger or smaller than is indicated by the nominal diameter of that ring. To bend the prongs out, use a pair of pliers, being careful not to scratch the ring. To bend the prongs in, roll the prongs lightly along the edge of a table. Prongs should not be bent either in or out more than $\frac{1}{32}$ inch. Prongs can be broken out to clear protrusions on lens mount.



STILL CAMERAS and LENSES of OTHER MANUFACTURE (Cont.)	Kodak Film Size	Series	Adapter Ring Size (Lens Mount Diameter)	
			Mm	Inches

Voigtlander

Bessa I <i>f</i> /4.5	8-120	6	37.	1 $\frac{15}{32}$
Bessa I <i>f</i> /3.5	8-120	6	37.	1 $\frac{15}{32}$
Bessa II Color Skopar <i>f</i> /3.5	8-120	6	37.	1 $\frac{15}{32}$
Bessa II Helior <i>f</i> /3.5	8-120	6	36.5	1 $\frac{7}{16}$
Prominent	135	7	47.5	1 $\frac{7}{8}$
Vitessa <i>f</i> /2	135	6	No. 26 Screw-in or	
		6	31.5	1 $\frac{1}{4}$

Wollensak Optical

Lenses for Still Cameras

65mm <i>f</i> /6.8 Raptar Wide Angle		6	35.	1 $\frac{3}{8}$
90mm <i>f</i> /6.8 Raptar Wide Angle		6	31.5	1 $\frac{1}{4}$
101mm <i>f</i> /4.5 Raptar		6	31.5	1 $\frac{1}{4}$
103mm <i>f</i> /4.5 Trioptar		6	31.5	1 $\frac{1}{4}$
135mm <i>f</i> /4.5 Raptar		6	38.	1 $\frac{1}{2}$
25cm <i>f</i> /5.6 Raptar Telephoto		8	57.	2 $\frac{1}{4}$
38cm <i>f</i> /5.6 Raptar Telephoto			Kodak Adjustable Filter Holder 4"	

Zeiss

Contax except 85mm <i>f</i> /2	135	7	50.5	2
Ikoflex I and IIA and III	12-120	6	37.	1 $\frac{15}{32}$
Ikoflex II	12-120	5	28.5	1 $\frac{1}{8}$

Kodak Adapter Rings not recommended for other Zeiss Cameras.

LENSES, OTHER THAN KODAK, SUPPLIED for GRAFLEX CAMERAS	Lens	Series	Adapter Ring Size (Lens Mount Diameter)	
			Mm	Inches
65mm (2 $\frac{1}{2}$ -in.) GRAFLEX W. A. Optar	<i>f</i> /6.8	6	35.	1 $\frac{3}{8}$
90mm (3 $\frac{1}{2}$ -in.) GRAFLEX W. A. Optar	<i>f</i> /6.8	6	31.5	1 $\frac{1}{4}$
88mm (3 $\frac{1}{2}$ -in.) Bausch & Lomb W. A.	<i>f</i> /6.8	6	33.	1 $\frac{5}{8}$
202mm (8-in.) GRAFLEX Tele-Optar	<i>f</i> /5.6	7	44.5	1 $\frac{3}{4}$
25cm (10-in.) GRAFLEX Tele-Optar	<i>f</i> /5.6	8	57.	2 $\frac{1}{4}$
38cm (15-in.) GRAFLEX Tele-Optar	<i>f</i> /5.6	—	Kodak Adjustable Filter Holder 4"	
103mm GRAFLEX Trioptar	<i>f</i> /4.5	6	31.5	1 $\frac{1}{4}$
101mm (4-in.) GRAFLEX Optar	<i>f</i> /4.5	6	31.5	1 $\frac{1}{4}$
135mm (5 $\frac{1}{4}$ -in.) GRAFLEX Optar	<i>f</i> /4.7	6	38.	1 $\frac{1}{2}$
5 $\frac{1}{2}$ -in. (139mm) Ilex Paragon Anst.	<i>f</i> /4.5	7	50.5	2
6 $\frac{1}{2}$ -in. (165mm) Ilex Paragon Anst.	<i>f</i> /4.5	7	50.5	2
5 $\frac{1}{2}$ -in. and 6 $\frac{1}{2}$ -in. Ilex Paragon Anastigmat and lens cells	<i>f</i> /4.5	7	50.5	2

KODAK LENSES for PRESS, VIEW, and SIMILAR CAMERAS	Adapter Ring Size			Mounting Flange Part Number	
	Series	Mm	Inches	Barrel	Shutter
Ektar f/4.5, 101mm					
Serial No. starting with R	5	Not needed§			
Serial No. starting with E	6	33.	1 ⁵ / ₁₆		80502
Ektar f/3.7, 107mm	6	38.	1 ¹ / ₂		HE 23804
Ektar f/3.7, 105mm	6	38.	1 ¹ / ₂		80503
Ektar f/4.7, 127mm	6	38.	1 ¹ / ₂		80503
Anastigmat f/4.5, 5-in.	6	33.	1 ⁵ / ₁₆	HE 3030	
Anastigmat f/4.5, 5 ¹ / ₂ -in.	6	39.5	1 ⁵ / ₁₆	HE 31896	
Ektar f/4.5, 6-in. (152mm)	7	44.5	1 ³ / ₄		88683
Anastigmat f/4.5, 6 ³ / ₈ -in. †	7	44.5	1 ³ / ₄	HE 3312	
Ektar f/4.5, 7 ¹ / ₂ -in.	8	54.	2 ¹ / ₈	HE 28592	HE 32442
Anastigmat f/4.5, 7 ¹ / ₂ -in. †	7	50.5	2	HE 3125	
Ektar f/5.6, 7 ¹ / ₂ -in. (190mm)	7	43.5	1 ³ / ₄		
Anastigmat f/7.7, 8-in.	6	33.	1 ⁵ / ₁₆	HE 31896	HE 24216
Ektar f/7.7, 8-in.	6	33.	1 ⁵ / ₁₆		80503
Ektar f/6.3, 8 ¹ / ₂ -in. †	7	44.5	1 ³ / ₄	HE 32505	HE 32505
Comm. Ektar f/6.3, 8 ¹ / ₂ -in. †	7	44.5	1 ³ / ₄	HE 32505	HE 32505
Anastigmat f/4.5, 8 ¹ / ₂ -in. †	8	60.	2 ³ / ₈	HE 2744	
Ektar f/6.3, 10-in. †	8	54.	2 ¹ / ₈	HE 28592	HE 28592
Comm. Ektar f/6.3, 10-in. †	8	54.	2 ¹ / ₈	HE 28592	HE 28592
Anastigmat f/4.5, 10-in. †	8	67.	2 ⁵ / ₈	HE 2458	
Ektar f/6.3, 12-in. †	8	63.5	2 ¹ / ₂	HE 28562	
Comm. Ektar f/6.3, 12-in. †	8	63.5	2 ¹ / ₂	HE 32442	HE 32442
Ektar f/4.5, 12-in.	9	No. 92 Screw-in		HE 2995	HE 32405
Anastigmat f/4.5, 12-in. †	*	—	—	HE 2995	
Eastman Ektar f/6.3, 14-in. †	**	—	—	HE 32412	HE 32405
Comm. Ektar f/6.3, 14-in. †	9	No. 91 Screw-in		HE 32412	HE 32405
Wide Field Ektar f/6.3, 80mm	6	No. 27 †Screw-in			80502
Wide Field Ektar f/6.3, 100mm	7	No. 40 Screw-in			80503
Wide Field Ektar f/6.3, 135mm	7	Not needed¶			88683
Wide Field Ektar f/6.3, 190mm	8	Not needed§			HE 32442
Wide Field Ektar f/6.3, 250mm	9	Not needed§			HE 32405
Portrait Lens f/4.8, 12-in. (in No. 5 Ilex Universal Synchro Shutter)	9	—	¶ —		HE 32405
Portrait Lens f/4.8, 16-in. (Mounted in barrel with Iris Diaphragm)	††	—	—	801721	

*Use 4-in. Kodak Adjustable Filter Holder.
**Use 4-in. Kodak Adjustable Filter Holder or 3-in. Kodak Wratten Filter in Metal Cell.
†In Shutter or Barrel.
‡Kodak Adapter Ring and Kodak Adapter Ring Insert supplied with lens.
§No adapter needed—insert ring supplied with lens.
¶Retaining Ring or Adapter Ring Insert screws directly into lens mount.
††No Retaining Ring or Adapter Ring Insert available. Use Wratten filters in gelatin film form.

KODAK ENLARGER and ENLARGER ACCESSORY LENSES	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)	
			Mm	Inches
<i>Kodak Flurolite Enlarger, Kodak Precision Enlarger and other enlargers</i>				
Kodak Enlarging Ektanon*	f/6.3, 2 in.	5	20.5	$1\frac{3}{16}$
Kodak Enlarging Ektanon*	f/4.5, 2 in.	5	24.	$1\frac{15}{16}$
Kodak Enlarging Ektanon	f/4.5, 50mm	6	37.	$1\frac{15}{32}$
Kodak Enlarging Ektar	f/4.5, 2 in.	5	24.	$1\frac{5}{16}$
Kodak Enlarging Ektanon*	f/4.5, 3 in.	5	30.	$1\frac{3}{16}$
Kodak Enlarging Ektar	f/4.5, 3 in.	5	30.	$1\frac{3}{16}$
Kodak Enlarging Ektanon*	f/4.5, 4 in.	6	39.5	$1\frac{9}{16}$
Kodak Enlarging Ektar	f/4.5, 4 in.	6	39.5	$1\frac{9}{16}$
Kodak Anastigmat	f/6.3, 5 in.	6	39.5	$1\frac{9}{16}$
Kodak Enlarging Ektanon*	f/4.5, 5 $\frac{3}{8}$ in.	7	44.5	$1\frac{3}{4}$
Kodak Enlarging Ektanon*	f/4.5, 6 $\frac{3}{8}$ in.	7	50.5	2
<i>Kodak Hobbyist Enlarger</i>				
Kodak Enlarging Ektanon	f/6.3, 89mm	7	50.5†	2
<i>Kodak Portable Miniature Enlarger</i>				
Kodak Enlarging Ektanon*	f/6.3, 2 in.	5	20.5	$1\frac{13}{16}$
Kodak Enlarging Ektanon*	f/4.5, 2 in.	5	24.	$1\frac{15}{16}$
Kodak Enlarging Ektar	f/4.5, 2 in.	5	24.	$1\frac{5}{16}$
<i>Kodak Auto-Focus Enlarger, Models B and C</i>				
Kodak Anastigmat	f/7.7, 130mm	5	25.5	1
<i>Kodak Auto-Focus Enlarger, Model E; Eastman Auto-Focus Enlarger, Models C and D</i>				
Kodak Enlarging Ektanon*	f/4.5, 7 $\frac{1}{2}$ in.	7	50.5	2
<i>Kodak Advance Enlarger, Models 1 and 2</i>				
Kodak Anastigmat	f/11	5	25.5	1
<i>Kodak Miniature Enlarger, Models A and B</i>				
Kodak Anastigmat	f/4.5	No Kodak Adapter Ring big enough.		
<i>Eastman Projection Printer, No. 2</i>				
Kodak Enlarging Ektanon	f/4.5, 10 in.	8	67.	2 $\frac{5}{8}$
Kodak Enlarging Ektanon	f/8, 10 in.	7	44.5	1 $\frac{3}{4}$

†Fits inside lens barrel.

*Or Anastigmat.

CINE-KODAK CAMERAS	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Lens Attach- ment Mount
			Mm	Inches	
			Cine-Kodak Camera—16mm		
Royal	Cine Ektar 25mm f/1.9	5	No. 22	Screw-in	
Royal	Cine Ektanon 25mm f/2.8	5	No. 22	Screw-in	
Magazine 16 and 16A	Anastigmat 25mm f/1.9				W
Magazine 16 and 16A	Cine Ektar 25mm f/1.9	5	No. 22	Screw-in	
Model E	Anastigmat 20mm f/3.5	4	16.5	$\frac{5}{8}$	Z
Model K	Anastigmat 20mm f/3.5	5	24	$\frac{1}{16}$	
	Anastigmat 25mm f/1.9				W
Special	Anastigmat 25mm f/1.9	5	27	$1\frac{1}{16}$	W
Special II	Cine Ektar 25mm f/1.9	6	No. 27	Screw-in	
	Cine Ektar 25mm f/1.4	6	No. 27	Screw-in	
Model B	Anastigmat 25mm f/1.9				W
	Anastigmat 25mm f/3.5	4	16.5	$\frac{5}{8}$	Z
	Anastigmat 25mm f/6.5	4	16.5	$\frac{5}{8}$	Z
Model BB	Anastigmat 25mm f/1.9				W

Cine-Kodak Cameras—8mm

Model 20	Anastigmat 13mm f/3.5	4	16.5	$\frac{5}{8}$	Z
Model 25	Anastigmat 13mm f/2.7	4	16.5	$\frac{5}{8}$	Z
	Cine Ektanon 13mm f/2.7	4	16.5	$\frac{5}{8}$	Z
Model 60	Anastigmat 13mm f/1.9	5	20.5	$\frac{13}{16}$	
Magazine Model 90 or 90A	Anastigmat 13mm f/1.9	5	24.	$\frac{13}{16}$	
Magazine Model 8 or 8A	Anastigmat 13mm f/1.9	5	24.	$\frac{13}{16}$	
	Cine Ektanon 13mm f/2.7	4	No. 41	Screw-in	
	Cine Ektanon 13mm f/1.9	5	24.	$\frac{13}{16}$	
Reliant	Cine Ektanon 13mm f/2.7	4	No. 41	Screw-in	
	Cine Ektanon 13mm f/1.9	4	No. 41	Screw-in	
Brownie Movie Camera	Cine Ektanon 13mm f/2.7	4	No. 43	Screw-in	
	Cine Ektanon 13mm f/1.9	4	No Adapter Ring	Needed*	

*Lens mount threaded to accept Series 4 Attachment in retaining ring indicated.

CINE-KODAK ACCESSORY LENSES	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Lens Attach- ment Mount
			Mm	Inches	
			No Adapter Ring Required Lens Threaded to Accept Series 6 Attachments		
Cine Ektanon* 9mm	f/2.7	5	24.	$\frac{15}{16}$	—
Cine Ektanon 13mm	f/1.9	4	Screw-in	Adapter No. 41	
Cine Ektanon* 15mm	f/2.7 (Focusing)	6	31.5	$1\frac{1}{4}$	—
Anastigmat 15mm	f/2.7 (Fixed Focus)	5	23.5	$\frac{15}{16}$	—
Cine Ektanon* 25mm	f/1.9	—	—	—	W
Cine Ektanon* 38mm ($1\frac{1}{2}$ -inch)	f/2.5	5	No Adapter Ring	Required	
Cine Ektanon 38mm	f/2.8	4	No. 41	Screw-in	
Anastigmat 50mm (2-inch)	f/3.5	5	27.	$1\frac{1}{16}$	—
Cine Ektanon* 50mm (2-inch)	f/1.6				
Cine Ektanon* 63mm ($2\frac{1}{2}$ -inch)	f/2.7	6	33.	$1\frac{5}{16}$	—
Anastigmat 76mm (3-inch)	f/4.5	5	27.	$1\frac{1}{16}$	—
Anastigmat 78mm (For Model B)	f/4.5	6	33.	$1\frac{5}{16}$	—
Cine Ektanon* 102mm (4-inch)	f/2.7	7	46.	$1\frac{13}{16}$	—
Anastigmat 114mm (4 $\frac{1}{2}$ -inch)	f/4.5	6	33.	$1\frac{1}{16}$	—
Cine Ektanon* 152mm (6-inch)	f/4.5	6	39.5	$1\frac{9}{16}$	—

*Or Anastigmat.

CINE-KODAK ACCESSORY LENSES (Cont.)	Kodak Lens	Series	Adapter Ring Size (Lens Mount Diameter)		Lens Attach- ment Mount
			Mm	Inches	
Kodak Cine Ektar Lenses					
15mm	f/2.5	6	No. 28 Screw-in		
25mm	f/1.9 (in S Mount)	6	No. 27 Screw-in		
25mm (for Magazine 16)	f/1.9 (in C Mount)	5	No. 22 Screw-in		
25mm	f/1.4 (in S Mount)	6	No. 27 Screw-in		
	(in C Mount)	6	No. 26 Screw-in		
40mm	f/1.6	6	No. 27 Screw-in		
63mm	f/2.0	} No Adapter Ring required. Unscrew lens hood, place Series 6 filter or supplementary lens in front of camera lens, and replace lens hood. Series 7 retained directly in Converter, except Pola-Screen (Series 8 in Series 7-8). Requires Series 6 Lens Attachments in Series 5-6 Step-Up Ring. No adapter ring required.			
102mm	f/2.7				
152mm	f/4.0				
Kodak f/1.4 Ektar Converter 25mm to 15mm					
Kodak Vuedar Converter					

MOTION-PICTURE LENSES of OTHER MANUFACTURE	Series	Adapter Ring Size (Lens Mount Diameter)	
		Mm	Inches
<i>Bausch & Lomb Optical Co</i>			
For 8mm motion-picture cameras			
Animar 7.5mm f/3.5	6	35.	1 $\frac{3}{8}$
12.7mm f/2.8	4	18.	$\frac{11}{16}$
14mm f/1.9	} 4	18.*	$\frac{11}{16}$
15mm f/1.5		5	20.5
25mm f/2.7 Telephoto	5	24.	$\frac{15}{16}$
37.5mm f/3.5	5	24.	$\frac{15}{16}$
For 16mm motion-picture camera			
Animar 25mm f/2.7	5	25.5	1
25mm f/1.5	5	28.5	1 $\frac{1}{8}$
26mm f/1.9	5	28.5	1 $\frac{1}{8}$
50mm f/3.5	5	28.5	1 $\frac{1}{8}$
75mm f/3.5	6	31.5	1 $\frac{1}{4}$
100mm f/3.5	6	35.	1 $\frac{3}{8}$
*Early production had the smaller diameter.			
<i>Bell & Howell Co.</i>			
8mm			
B & H 6.5mm f/1.9	5	30.	1 $\frac{3}{16}$
B & H Super Comat $\frac{1}{2}$ " f/1.9	5	22.	$\frac{7}{8}$
TTH Ivtotal $\frac{1}{2}$ " f/1.4	5	30.	1 $\frac{3}{16}$
B & H Comat $\frac{1}{2}$ " f/2.5	5	22.	$\frac{7}{8}$
B & H Super Comat 1" f/1.9 (T/2.1)	5	27.	1 $\frac{1}{16}$
TTH Ivtotal 1" f/1.4	6	35.5	1 $\frac{3}{8}$
B & H Telate 1 $\frac{1}{2}$ " f/3.5	5	20.5	$\frac{13}{16}$
TTH Super Comat 1 $\frac{1}{2}$ " f/1.9	6	37.	1 $\frac{3}{8}$
TTH Ivtotal 2" f/1.4 (T1.6) on barrel under sunshade	6	42.	1 $\frac{3}{8}$
TTH Kinic 2" f/3.5	5	22.	$\frac{7}{8}$
B & H Telate 2" f/3.5	5	30.	1 $\frac{3}{16}$
Anate 12 $\frac{1}{2}$ mm f/2.5 under sunshade	4	No. 42 Screw-in	
B & H Model 220 Camera	5	19.	$\frac{3}{4}$

MOTION-PICTURE LENSES of OTHER MANUFACTURE (Cont.)	Series	Adapter Ring Size (Lens Mount Diameter)	
		Mm	Inches
<i>16mm</i>			
B & H Super Comat 0.7" f/2.5 (T/2.7)	5	27.	1 $\frac{1}{16}$
B & H Comat 1" f/2.5	5	25.5	1
B & H Super Comat 1" f/1.9 (T/2.1)	5	27.	1 $\frac{1}{16}$
TTH Ivotal 1" f/1.4 (T/1.5)	6	36.5	1 $\frac{7}{16}$
TTH Ivotal 2" f/1.4 (T/1.6)	6	42.	1 $\frac{3}{8}$
under sunshade	Takes Series 6 filter directly		
TTH Kinic 2" f/3.5	5	24.	1 $\frac{5}{16}$
B & H Telate 2" f/3.5	5	30.	1 $\frac{3}{8}$
TTH Panchrotal 2.8" T/2.5 on barrel	6	42.	1 $\frac{21}{32}$
under sunshade	Takes Series 6 filter directly		
B & H Telate 3" f/4 (T/4.4) and Telekinic	5	30.	1 $\frac{3}{8}$
TTH Pancrotal 4" T/2.5	8	57.	2 $\frac{1}{4}$
B & H Telate 4" f/4.5 (T/4.8) and Telekinic	5	30.	1 $\frac{3}{8}$
Kine 1" f/1.5	5	27.	1 $\frac{1}{8}$
Cooke Anastigmat 1.5" f/3.5	5	19.	3/4
B & H Telate 6" f/4.5 and Telekinic	6	42.	1 $\frac{21}{32}$
Ansix 1" f/2.5	5	18.	1 $\frac{1}{16}$
<i>De Jur-Amsco Corp.</i>			
13mm f/1.9 and f/2.5, 25mm f/2.5 and 38mm f/3.5	5	22.	7/8
9mm f/2.5	5	26.	1 $\frac{1}{32}$
Wide Angle Attachment 6 $\frac{1}{2}$ mm	5	30.	1 $\frac{1}{16}$
<i>Elgeet Optical Co., Inc.</i>			
7mm f/2.5 Wide Angle	5	25.5	1
13mm f/1.9 and f/2.5 Uni-Focus	4	18.	1 $\frac{11}{16}$
25mm f/1.9 Telephoto	5	25.5	1
25mm f/1.9 Standard	5	25.5	1
38mm f/2.5 and f/3.5 Telephoto	5	25.5	1
51mm f/3.5 Telephoto	5	26.	1 $\frac{1}{32}$
75mm f/2.9 Telephoto	6	33.	1 $\frac{5}{16}$
102mm f/2.7 Telephoto	6	46.	1 $\frac{13}{16}$
<i>Paillard Products Inc.</i>			
Yvar 12.5mm f/2.8, 15mm f/2.8, 25mm f/2.5, 36mm f/2.8	5	24.	1 $\frac{5}{16}$
Yvar 16mm f/2.8, 75mm f/2.8, 100mm f/3.3	6	33.	1 $\frac{5}{16}$
Yvar 75mm f/2.5, 150mm f/4	7	44.5	1 $\frac{11}{16}$
Switar 25mm f/1.4, 25mm f/1.5	6	33.	1 $\frac{5}{16}$
Switar 12.5mm f/1.5	5	24.	1 $\frac{5}{16}$
Pizar 26mm f/1.9, 25mm f/1.5	6	33.	1 $\frac{5}{16}$
Pizar 12.5mm f/1.9	5	24.	1 $\frac{5}{16}$
<i>Wollensak Optical Company</i>			
Lenses for 8mm motion picture cameras			
Cine Raptor $\frac{1}{2}$ " f/2.5 (Spread diaphragm)	4	18.	1 $\frac{11}{16}$
Cine Raptor $\frac{1}{2}$ " f/1.9, f/2.5 and f/3.5	4	No. 42	
Cine Raptor Telephoto 1" f/2.5 and 1 $\frac{1}{2}$ " f/3.5	5	20.5	1 $\frac{13}{16}$
Lenses for 16mm motion picture cameras			
Cine Raptor 17mm f/2.7, 1" f/2.5	5	20.5	1 $\frac{13}{16}$
1" f/1.9	5	26.	1 $\frac{3}{8}$
2" f/3.5, 3" f/4 and 4" f/4.5	5	30.	1 $\frac{3}{8}$
6" f/4.5	6	41.	1 $\frac{7}{8}$
1" f/1.5	5	27.	1 $\frac{1}{16}$
2" f/1.5	5	39.5	1 $\frac{9}{16}$

In considering use of combination lens attachments on motion-picture cameras, consideration must be given to possibility of attachment cutting into finder field. On turret cameras, there is possibility of mechanical and/or optical interference with other lenses.

KODAK LENS ADAPTERS FOR OTHER MOVIE CAMERAS

Adapters Required to Fit Kodak Cine Lenses to "EIGHTS" *

"EIGHTS" of other manufacture	KODAK CINE ACCESSORY LENS							COMMENTS
	EKTAR 25mm 1-in. f/1.4	EKTAR 25mm 1-in. f/1.9	EKTANON 38mm 1½-in. f/2.5	EKTAR 40mm 1½-in. f/1.6	EKTANON 50mm 2-in. f/1.6	EKTAR 63mm 2½-in. f/2.0	EKTANON 63mm 2½-in. f/2.7	
Bell & Howell, all models								Kodak Lens Adapters will not fit.
Revere 88	D	D	D	D	D	D	D	Finder for 13mm and 38mm lenses only. User must modify for other lenses. See table on finders.
Revere 99 (Turret)	D	D	D	D	D	D	D	Accepts only one Kodak Adapter and lens at a time. Any Kodak lens, 25mm or longer, cuts into field of Revere 13mm lens. Finder for 13mm and 38mm lenses only. See table on finders.
Revere 70, 84 (Magazine)								Type D thread but adapter will not seat; interference with front plate on camera.
Revere 60, 44 (Magazine turret)								Type D thread, but adapter will not seat because of interference with turret pivot stud.
Keystone, Stewart-Warner, Briskin, and Franklin	D	D	D	D	D	D	D	Finder for 13mm and 38mm lenses only. User must modify finder for other lenses. See table on finders.
Cinemaster and Univex								Kodak Lens Adapters will not fit.
Bolex L-8								Type D thread—but, with Kodak Adapter, lenses are out of focus.
Bolex H-8	D	D	D	D	D	D	D	Finder for 13mm, 25mm, and 38mm only. Longer lenses and adapter may cut into 13mm field. Camera has ground-glass focusing which will aid user. See table on finders.
Cine Perflex (Turret)	D	D	D	D	D	D	D	Accepts only one Kodak Cine Adapter and Lens at a time. Any longer Kodak Lens cuts into field of 13mm lens. Has finder for 13mm, 25mm, and 38mm lenses. See table on finders.

*Kodak Cine Ektanon Lenses 13mm f/1.9, 13mm f/2.7 and 38mm f/2.8 require no adapter to use them on "Eights" for which Type D adapter is specified. These lenses screw directly into cameras.

How to Adapt Finders to Cover the Fields of Long Focus Lenses

The figures in the table at the right are factors by which the height and width of available finders should be multiplied to obtain the sizes of masks for lenses of longer focal length.

For example, to mask a finder that shows the field of a 25mm lens to show the field of a 50mm lens, the table indicates that both dimensions should be multiplied by 0.5. If the original dimensions are 1 inch by ¾ inch, the finder should be masked to ½ inch by ⅜ inch. Similarly, the same finder should be masked to .62 inch by .46 inch to show the field of a 38mm or 40mm lens.

Available Finder	Focal Length of Accessory Lens					
	25mm	38 or 40mm	50mm	63mm	102mm	152mm
13mm	0.5	0.3	0.25	0.2		
25mm	1.0	0.62	0.5	0.4	0.25	
38mm		1.0	0.8	0.6		
50mm			1.0	0.8	0.5	0.3
75mm					0.75	0.5
102mm					1.0	0.66
152mm						1.0

Adapters Required to Fit Kodak Cine Lenses to "SIXTEENS"

"SIXTEENS" of other Manufacture	KODAK CINE ACCESSORY LENS												COMMENTS
	EKTAR 15mm f/2.5 Wide- Angle	EKTANON 15mm f/2.7 Wide- Angle	EKTAR 25mm 1-in. f/1.4	EKTAR 25mm 1-in. f/1.9	EKTAR 40mm 1½-in. f/1.6	EKTANON 50mm 2-in. f/1.6	EKTAR 63mm 2½-in. f/2.0	EKTANON 63mm 2½-in. f/2.7	EKTAR 102mm 4-in. f/2.7	EKTANON 102mm 4-in. f/2.7	EKTAR 152mm 6-in. f/4.0	EKTANON 152mm 6-in. f/4.5	
B & H Filmo Automaster	C	C	C	C	C	C	C	C	C	C	C	C	Proper B & H front finder lens required. (None supplied for 40mm and 63mm lenses.) Finder field cut by idle lens next to it. See "Finders."
B & H Filmo 70, 70A, 70B, 70C. Serial No. 54090 and up	C*	C*	C	C	C	C	C	C	C	C	C	C	Accessory lens may cut into finder field. User must modify finder; see "Finders."*
B & H Filmo 70D and 70F	C*	C*	C	C	C	C	C	C	C	C	C	C	Only one Kodak Adapter can be used on turret. Some lenses cut finder field, and longer lenses cut B & H 1-inch field. See "Finders."
B & H Filmo 70E and 70G	C	C	C	C	C	C	C	C	C	C	C	C	Accessory lens may cut into finder field slightly. User must modify finder; see "Finders."
Filmo Autoload, Autoload Speedster, and Models 141A and 141B	C	C	C	C	C	C	C	C	C	C	C	C	Appropriate B & H finder required. Probably none available for 40mm or 63mm. See "Finders."
Victor Model 3 Serial No. 36885 and up	C	C	C	C	C	C	C	C	C	C	C	C	Finder for 1-, 2-, 3-, and 4-inch lenses only. See "Finders."
Victor Model 4 No. 20026 and up Model 5 No. 52151 and up	C	C	C	C	C	C	C	C	C	C	C	C	Only one Kodak Cine Lens can be used at a time. Any longer lens will cut into field of 1-inch lens. Finder for 1-, 2-, 3-, and 4-inch lenses only. Focusing finder can be used. See "Finders."
Keystone A-7	C	C	C	C	C	C	C	C	C	C	C	C	Must modify finder. See table on finders.
DeVry Deluxe	C	C	C	C	C	C	C	C	C	C	C	C	Only one Kodak Cine Lens can be used at a time. Other openings must be left vacant.
Cinklox	C	C	C	C	C	C	C	C	C	C	C	C	Must modify finder. See table on finders.
Bolex H-16	C	C	C	C	C	C	C	C	C	C	C	C	Takes 2 Kodak Adapters in normally vertical openings. Standard finder is for 15mm, 25mm, and 75mm. Accessory masks and finders available. Ground glass focus finder can be used. Check optical interference.
B & H Filmo 75 and 121													Type D Adapter fits but lens is out of focus.

*Kodak 15mm lenses may interfere in rotating of turret when focused on infinity. Should be extended by setting focus on nearer distance to avoid scraping lens.

Adapters Required to Fit Kodak Cine Lenses to Cine-Kodak Cameras

Kodak Cine Lenses	CINE-KODAK CAMERAS					
	Cine-Kodak Reliant Camera	Cine-Kodak Magazine 8 Camera	Cine-Kodak Model E Camera	Cine-Kodak Model K Camera	Cine-Kodak Royal Magazine Camera	Cine-Kodak Special Camera*
Ektanon, 9mm <i>f</i> /2.7		None				
Ektanon, 13mm <i>f</i> /1.9	None					
Ektanon, 13mm <i>f</i> /2.7	None					
Ektar, 15mm <i>f</i> /2.5			C		M	G
Ektanon, 15mm <i>f</i> /2.7			C		M	G
Ektar, 25mm <i>f</i> /1.4		M	C	R†	M	P
Ektar, 25mm <i>f</i> /1.9		M	C	R	M	P
Ektanon, 38mm <i>f</i> /2.5		M				
Ektanon, 38mm <i>f</i> /2.8	None					
Ektar, 40mm <i>f</i> /1.6		M		R	M	P
Ektanon, 50mm <i>f</i> /1.6		M	C	R	M	P or F
Ektar, 63mm <i>f</i> /2.0		M	C	R	M	P or F
Ektanon, 63mm <i>f</i> /2.7		M	C	R	M	P or F
Ektar, 102mm <i>f</i> /2.7			C		M	F
Ektanon, 102mm <i>f</i> /2.7			C		M	F
Ektar, 152mm <i>f</i> /4.0					M	F
Ektanon, 152mm <i>f</i> /4.5					M	F

*Cine-Kodak Special II Camera accepts all lenses indicated for this model. No adapter needed.

†Owners of "Model K" Cameras who plan to use the Kodak Cine Ektar Lens, 25mm *f*/1.4 should send camera and lens for fitting to the Apparatus Service Department, Eastman Kodak Company, Rochester 4, N. Y.

"None" means no adapter is required to fit this lens to the camera.

LIST OF FILTERS AND THEIR USES

The numbers daggered are filters that are normally carried in stock in Series sizes. Other filters can be obtained in Series sizes on special order.

	No.	Color and Use
COLORLESS	0	For compensating thickness of other gelatin filters in optical systems
	† 1A	Kodak Skylight Filter. Reduces excess bluishness in outdoor color photographs in open shade
	2A	Absorbs ultraviolet below 410 $m\mu$
	2B	Absorbs ultraviolet below 390 $m\mu$
YELLOWS	3	Light yellow (Aero No. 1)
	3N5	No. 3 plus 0.5 neutral density
	4	Yellow. Improved rendering for outdoor scenes with sky
	† 6	K1—Light yellow. Partial correction outdoors
	† 8	K2—Yellow. Full correction outdoors on Type B panchromatic materials. Widely used for proper sky, cloud, and foliage rendering. Green separation for Kodak Fluorescence Process
	8N5	No. 8 plus 0.5 neutral density
	† 9	K3—Deep yellow. Moderate contrast in outdoor photography (with black-and-white films)
	† 11	X1—Yellowish-green. Correction for tungsten light on Type B panchromatic materials; also for daylight correction with Type C panchromatic materials in making outdoor portraits, darkening skies, or lightening foliage
	12	Minus blue. Haze cutting in aerial photography
	† 13	X2—Dark yellowish-green. Correction for Type C panchromatic materials in tungsten light
	† 15	G—Deep yellow. Overcorrection in landscape photography. Contrast control in copying and in aerial infrared photography
	16	Blue absorption
18A	Transmits ultraviolet and infrared only (glass)	
ORANGES AND REDS	21	Blue and blue-green absorption
	22	Yellow-orange. For increasing contrast in blue preparations in microscopy. Mercury yellow
	† 23A	Light red. Two-color projection—contrast effects
	24	Red for two-color photography (daylight or tungsten). White-flame arc tricolor projection
	† 25	A—Tricolor red for direct color separation. Contrast effects in commercial photography and in outdoor scenes. Two-color general viewing. Aerial infrared photography and haze cutting
	26	Stereo red
	† 29	Deep red for color separation from transparencies and for Kodak Fluorescence Process. Strong contrast effects. Copying blueprints. Tungsten tri-color projection.



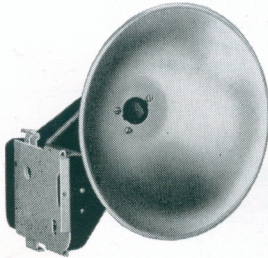

List of Filters and Their Uses

	No.	Color and Use
MAGENTAS AND VIOLETS	30	Green absorption
	31	Green absorption
	32	Minus green
	33	Strong green absorption
	34	Violet
	34A	Blue separation. Kodak Fluorescence Process
	35	Contrast in microscopy
	36	Dark violet
BLUES AND BLUE-GREENS	38	Red absorption
	38A	Red absorption. Increasing contrast in visual microscopy
	39	Contrast control in printing motion-picture duplicates (glass)
	40	Green for two-color photography (tungsten)
	44	Minus red. Two-color general viewing
	44A	Minus red
	45	Contrast in microscopy
	45A	Highest resolving power in visual microscopy
	46	Blue projection (experimental)
	†47	C5—Tricolor blue for direct color separation and from Kodak Ektacolor Film for Dye Transfer. Contrast effects in commercial photography. Tungsten and white-flame-arc tricolor projection
	47B	Tricolor blue for color separation from transparencies and from Kodak Ektacolor Film for Graphic Arts
	48	Green and red absorption
	48A	Green and red absorption
49	C4—Dark blue	
49B	Dark blue	
50	Very dark blue. Mercury violet	
GREENS	52	Light green
	53	Medium green
	54	Very dark green
	55	Stereo green
	56	Very light green
	57	Green for two-color photography (daylight)
	57A	Light green
	†58	B—Tricolor green for direct color separation. Contrast effects in commercial photography and microscopy
	59	Green for tricolor projection (white-flame arc)
	59A	Very light green
	60	Green for two-color photography (tungsten)
	†61	N—Green color separation from transparencies and Ektacolor Film. Tricolor projection (tungsten)
	64	Red absorption (light)
	65	Red absorption
	65A	Red absorption
66	Light green. Contrast effects in microscopy and medical photography	
67A	Red absorption (light). Two-color projection	



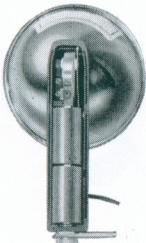
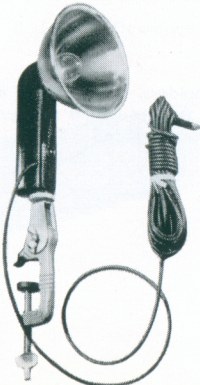
List of Filters and Their Uses

No.	Color and Use	
70	Dark red. Infrared photography. Color separation for Kodak Ektacolor Film (with tungsten)	NARROW-BAND
72B	Dark orange-yellow	
73	Dark yellow-green	
74	Dark green. Mercury green	
75	Dark blue-green	
76	Dark violet (compound filter)	
77	Transmits 546 m μ mercury line (glass plus gelatin)	
77A	Transmits 546 m μ mercury line (glass plus gelatin)	
<hr/>		
78	Bluish. Photometric filter (visual)	PHOTOMETRICS
78AA	Bluish. Photometric filter (visual)	
78A	Bluish. Photometric filter (visual)	
78B	Bluish. Photometric filter (visual)	
78C	Bluish. Photometric filter (visual)	
86	Yellowish. Photometric filter (visual)	
86A	Yellowish. Photometric filter (visual)	
86B	Yellowish. Photometric filter (visual)	
86C	Yellowish. Photometric filter (visual)	
<hr/>		
†80A	Kodak Photoflood Filter for Kodak Daylight Type Color Films	LIGHT BALANCING
81	Yellowish. For warmer color rendering	
†81A	Yellowish. For Type B Kodak Ektachrome Film with photoflood lamps	
†81B	Yellowish. For warmer color rendering	
†81C	Yellowish. For Type A Kodachrome Film with flash lamps	
†81D	Yellowish. For Type A Kodachrome Film with flash lamps	
†81EF	Yellowish. For Type B Kodak Ektachrome Film with flash lamps	
82	Bluish. For cooler color rendering	
82A	Bluish. For Type A Kodachrome Film with 3200 K lamps	
82B	Bluish. For cooler color rendering	
82C	Bluish. For cooler color rendering	
†83	Yellowish. For 16mm Commercial Kodachrome Film and daylight exposure	
†85	Orange. Kodak Daylight Filter for Kodak Type A Color Films	
†85B	Orange. Kodak Daylight Filter for Kodak Type B Color Films	
†85C	Orange. Kodak Daylight Filter for Kodak Type F Color Films	
<hr/>		
79	Photographic sensitometry. Corrects 2360 K to 5500 K	MISCELLANEOUS
87	For infrared photography. Absorbs visual	
87C	Absorbs visual, transmits infrared	
88A	For infrared photography. Absorbs visual	
89B	For infrared photography	
90	Narrow-band viewing filter for judging brightness scale of scenes	
96	Neutral filters for controlling luminance	
97	Dichroic absorption	
102	Conversion filter for Barrier-layer photocell luminosity	
106	Conversion filter for S-4 type photocell luminosity	

Flashholders for Other Kodak or Brownie Cameras with Flash Shutters

Flashholder	Batteries	Lamps Required	
		Shutter at I	Shutter at B
<p>For Brownie Flash Six-20 Camera</p> 	2 Penlite	No. 0, 11, 40, 2, 22, 22B, 2B, or, with Kodak Adapter No. 68L, 5, 5B, 25, 25B	
<p>For Brownie Reflex, Synchro Model Camera and Brownie Six-20 Camera, Model D</p> 	2 Penlite	SM, SF	No. 5, 25, 5B, 25B
<p>For Kodak Duaflex Cameras I & II</p> 	1 C or 2 Penlite with Adapter	SM, SF	No. 5, 25, 5B, 25B
<p>Kodalite Flashholder For Brownie Hawkeye Camera Flash Model and Kodak Duaflex III Camera</p> 	2 Size C Kodak B-C Flashpack	No. 5 or 25, 5B or 25B, SM or SF	

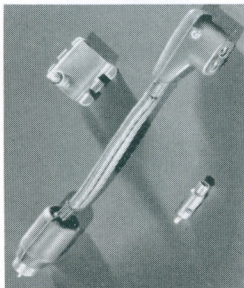
Flashholders with Standard Connectors

Flashholder	Battery	Lamp
<p>Kodalite Midget Flashholder</p> 	<p>2 Penlite</p> <p>For Brownie Holiday Flash Camera Brownie Hawkeye Camera, Flash Model Brownie Bull's-Eye Camera Duaflex IV</p>	<p>M-2 lamp To use the bayonet-base No. 5 or No. 25 lamps, remove the socket adapter.</p>
<p>Kodak B-C Flashholder</p> 	<p>22½-volt Mini-Max Eveready, Photoflash No. 412; Olin No. U51E; Burgess Battery U15E; General Dry Batteries Inc. No. 612.</p>	<p>SM, SF, Nos. 5, 5B, 25, and 25B.</p>
<p>Kodak Standard Flashholder</p> 	<p>Two size "C" (photo-flash) or Kodak B-C Flashpack and a 22½-volt battery.</p>	<p>SM, SF, Nos. 5, 5B, 25 and 25B.</p>
<p>Kodak Flashholder Extension Unit Model I with "C" Clamp</p> 	<p>Two size "C". None if B-C & 22½-volt battery is used in Flashholder.</p>	<p>SM, SF, Nos. 5, 5B, 25 and 25B.</p>

To be used with the Kodak Standard Flashholder, the Kodak B-C Flashholder, or the Kodak Flashholder Model B for better modeling for portraits or more extended coverage for group pictures.

Other Flash Aids

Kodak Clip-On
Flashholder Adapter
Kodak Flashholder Adapter
Kodak Single-Post
Flashholder Adapter



Kodak Clip-On Flashholder Adapter allows use of the standard ASA bayonet connector used on cords of the Kodak Flashholders with cameras which have the clip type of flash connector, such as the Stereo Realist, Argus 21, Argus C-4, Revere 33, and Graflex 22. This adapter adapts the standard ASA bayonet connector used on cords of the Kodak Standard, B-C, and Ektalux Flashholders to the clip type of flash connector.

Kodak Flashholder Adapter for continental shutters having a two-prong flash terminal. One end of the adapter fits over the two-prong terminal on the shutter and the other end accepts the standard ASA bayonet connector on the Flashholder cord.

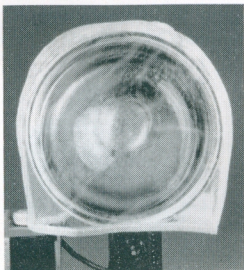
Kodak Single-Post Flashholder Adapter for continental shutters with a single post flash connector. The adapter slips over the continental flash connector and converts it to accept the standard ASA bayonet connector.

Kodak Adapter No. 68-L



Converts bayonet base to screw base adapter.

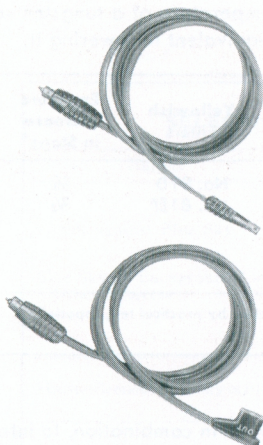
Kodak 2-Way Flashguard



Fits all Kodak Flashholders. Since lamps may shatter when flashed, the use of this flashguard over the reflector is recommended.

Other Flash Aids

Kodak Flashholder Extension Cords



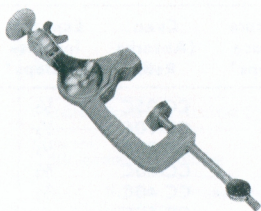
For use of flash off the camera.

3-ft Bayonet Connector

3-ft 2-Post Connector

20-ft Bayonet Connector (not shown)

Kodak Flexiclamp



A "C" clamp-type bracket which swivels in two directions and is a great aid in positioning the camera in a firm position when there is no tripod available. This Flexiclamp can be mounted on flat surfaces, such as a table or on round tubular rods, and is padded to prevent marring furniture finishes.

Kodak B-C Flashpack



Requires a 22½-volt battery, such as Eveready Mini-Max Photoflash No. 412. This flashpack can be used to replace the batteries in any flashholder (without solenoid control) which requires two "C" size batteries placed end to end. Gives accurate synchronization, longer useful battery life, and more dependable lamp-firing.

KODAK LIGHT BALANCING FILTERS

Kodak Light Balancing Filters are useful for changing the color quality of the exposing light in order to secure proper color balance with artificial-light films. The use of filters in the No. 82 (Bluish) series is equivalent to raising the temperature of a tungsten source, while the use of filters in the No. 81 (Yellowish) series is equivalent to lowering it.

Bluish Filters	Exposure Increase in Stops*	Yellowish Filters	Exposure Increase in Stops*	Yellowish Filters	Exposure Increase in Stops*
No. 82	1/3	No. 81	1/3	No. 81D	2/3
No. 82A	1/3	No. 81A	1/3	No. 81EF	2/3
No. 82B	2/3	No. 81B	1/3		
No. 82C	2/3	No. 81C	1/3		

*These values are approximate. For critical work, they should be checked by practical test, especially if more than one filter is used.

KODAK COLOR COMPENSATING FILTERS

Kodak Color Compensating (CC) Filters can be used singly, or in combination, to introduce almost any desired correction in various phases of color photography. Gelatin filters are preferable for such applications.

The density of each Kodak CC Filter is indicated by the two numbers following the hyphen in the filter designation, and the color is indicated by the final letter. The density is measured at the wave length of maximum absorption (Peak Density). For example, the density of a yellow filter is given for blue light. The density values do not include the density of the gelatin in which the filter dye is coated, or the density of the glass in a mounted filter.

Peak Density	Yellow (Absorbs Blue)	Exposure Increase In Stops*	Magenta (Absorbs Green)	Exposure Increase In Stops*	Cyan (Absorbs Red)	Exposure Increase In Stops*
.05	CC-05Y	—	CC-05M	1/3	CC-05C	1/3
.10	CC-10Y	1/3	CC-10M	1/3	CC-10C	1/3
.20	CC-20Y	1/3	CC-20M	1/3	CC-20C	1/3
.30	CC-30Y	1/3	CC-30M	2/3	CC-30C	2/3
.40	CC-40Y	1/3	CC-40M	2/3	CC-40C	2/3
.50	CC-50Y	2/3	CC-50M	2/3	CC-50C	1

Peak Density	Red† (Absorbs Blue and Green)	Exposure Increase In Stops*	Green† (Absorbs Blue and Red)	Exposure Increase In Stops*	Blue† (Absorbs Red and Green)	Exposure Increase In Stops*
.05	CC-05R	1/3	CC-05G	1/3	CC-05B	1/3
.10	CC-10R	1/3	CC-10G	1/3	CC-10B	1/3
.20	CC-20R	1/3	CC-20G	1/3	CC-20B	2/3
.30	CC-30R	2/3	CC-30G	2/3	CC-30B	2/3
.40	CC-40R	2/3	CC-40G	2/3	CC-40B	1
.50	CC-50R	1	CC-50G	1	CC-50B	1 1/3

*These values are approximate. For critical work, they should be checked by practical test, especially if more than one filter is used.
 †Not available in "B" glass circles mounted in metal rims for use with Kodak Combination Lens Attachments except on special order.

SELECTION OF FILTERS FOR OUTDOOR USE

<i>Subject</i>	<i>Effect Desired</i>	<i>Suggested Filter</i>
Clouds against Blue Sky Blue Sky as Background for Other Subjects	Natural	K2
	Darkened	G
	Spectacular	A
	Almost Black	29(F)
	Night Effect	A plus Pola-Screen, A or 29(F) with Infrared Material
Marine Scenes when Sky is Blue	Natural	K2
	Water Dark	G
Sunsets	Natural	None or K2
	Increased Brilliance	G or A
Distant Landscapes	Addition of Haze for Atmospheric Effects	47(C5)
	Very Slight Addition of Haze	No Filter
	Natural	K2
	Haze Reduction	G
	Greater Haze Reduction	A or 29(F)
Nearby Foliage	Natural	K2 or X1
	Light	58(B)
Outdoor Portraits Against Sky	Natural	X1, K2, or Pola-Screen
Flowers Blossoms and Foliage	Natural	K2 or X1
Red, "Bronze," Orange and Similar Colors	Lighter to Show Detail	A
Dark Blue, Purple and Similar Colors	Lighter to Show Detail	None or 47(C5)
"Foliage" Plants	Lighter to Show Detail	58(B)
Architectural Stone, Wood, Fabrics, Sand, Snow, etc., when Sunlit and Under Blue Sky	Natural	K2
	Enhanced Texture Rendering	G or A

Filter Data For Kodak Color Films—September, 1955

LIGHTING CONDITIONS	Kodachrome and Kodak Ektachrome DAYLIGHT TYPE	Kodachrome and Kodak Ektachrome TYPE F	Kodachrome Film TYPE A
Daylight. Clear or hazy sun casting sharp or soft shadows.	No Filter Required	Daylight Filter for Kodak Type F Color Films (No. 85C)	Daylight Filter for Kodak Type A Color Films (No. 85)
Daylight. Bluish—open shade or overcast. No shadows.	Skylight (No. 1A)	No. 85C	No. 85
Daylight. Distant scenes, mountain and aerial photography.	Skylight (No. 1A)	No. 85C	No. 85
Electronic Flash Tubes (New Portable Units)	No. 81A	Not Recommended	Not Recommended
Blue Flash Lamps	No Filter Required	Not Recommended	Not Recommended
Blue Photoflood Lamps	Not Recommended	Not Recommended	Not Recommended
Photoflood Lamps	Kodak Photoflood Filter for Kodak Daylight Type Color Films (No. 80B)	No. 82A	No Filter Required
3200 K Lamps	No. 80B + 82A	No. 82C	No. 82A
Clear Flash Lamps (except SM, SF, and M2)	Not Recommended	None Required	Not Recommended
SM and SF Flash Lamps	Not Recommended	No. 82B	Not Recommended
M2 Flashlamp	Not Recommended	No. 81 Filter	Not Recommended

KODACOLOR FILM (Universal) is intended for exposure in daylight or by flash and does not require the use of filters.

KODAK EKTACOLOR FILM, Type B, and

KODAK EKTACHROME FILM, Type B, are balanced for exposure with 3200 K lamps. Filter recommendations for other commonly used light sources are packed with the films.