



PHOTOGRAPHIC LENSES and ACCESSORIES

Price List No. 14

Effective December 1, 1940

Series	Focal Length		For Cameras	In Standard Mount N	In Sunk Mount B	In Focusing Mount A	In Compur Shutter	Mount Diameter mm.	
	cm.	in.							
Biotar f/1.4	2	3/4	1/4 x 1/2"	\$83.00	.....	\$94.00	.....	19.2
	2.5	1	1/4 x 1/2"	83.00	.....	94.00	.....	27
	4	1 5/8	3/4 x 1"	115.00	.....	129.00	.....	42
	5	2	1 x 1 1/8"	138.00	.....	152.00	.....	45ik
Biotar f/2	7	2 3/4	1 5/8 x 1 3/8"	216.00	.....	248.00	.....	60
	4.25	1 3/4	1 3/16 x 1 9/16"	59.00	\$61.00	69.00	\$59.00	32	
Tessar f/2.7	8	3 1/8	1 1/2 x 2 1/2"	125.00	128.00	139.00	130.00†	51	
	1.5	5/8	1/4 x 1/2"	.....	.....	45.00	.....	27
Tessar f/2.7	2.5	1	1/4 x 1/2"	40.00	.....	51.00	.....	28.5
	3.5	1 3/8	3/4 x 1"	47.00	.....	57.00	.....	24
	4	1 1/2	3/4 x 1"	47.00	.....	57.00	.....	24
	5	2	3/4 x 1"	56.00	.....	65.00	.....	27
Biotessar f/2.8	13.5	5 1/4	2 1/2 x 3 1/2"	125.00	134.00	157.00	.....	60
	16.5	6 1/2	3 1/4 x 4 1/4"	154.00	166.00	192.00	.....	70
Tessar f/2.8	5	2	1 3/16 x 1 9/16"	36.00	38.00	46.00	40.00	24	
	6	2 3/8	1 3/16 x 1 9/16"	36.00	38.00	46.00	40.00	28.5	
	7.5	3	1 3/4 x 2 5/16"	42.00	44.00	52.00	46.00	37	
	8	3 1/8	2 1/4 x 2 3/4"	46.00	48.00	56.00	49.00	37	
Kino Tessar f/3.5	2.8	1 1/8	3/4 x 1"	32.00	.....	.....	.....	19.2
	3.5	1 3/8	3/4 x 1"	32.00	.....	42.00	.....	19.2
	5	2	3/4 x 1"	32.00	.....	42.00	.....	27
Tessar f/3.5	5	2	1 3/16 x 1 9/16"	28.00	30.00	38.00	33.00	24	
	6	2 3/8	1 9/16 x 1 9/16"	28.00	30.00	38.00	33.00	28.5	
	7.5	3	1 3/4 x 2 5/16"	30.00	34.00	40.00	36.00	32	
	8	3 1/8	1 3/4 x 2 5/16"	34.00	36.00	44.00	41.00	37	
	10.5	4 1/8	2 1/2 x 3 1/2"	50.00	52.00	60.00	54.00	37	
	12	4 3/4	2 1/2 x 3 1/2"	56.00	60.00	70.00	63.00	42	
	13.5	5 1/4	3 1/4 x 4 1/4"	64.00	70.00	86.00	80.00	51	
	15	6	4 x 5"	77.00	83.00	99.00	90.00	51	
	16.5	6 1/2	4 x 6"	100.00	109.00	132.00	114.00*	60	
	21	8 1/4	5 x 7"	166.00	179.00	205.00	177.00*	70	
	25	10	5 x 8"	237.00	251.00	296.00	289.00*	84.5	
	30	12	6 1/2 x 8 1/2"	348.00	.....	.....	.....	106.5
	Tessar f/4.5	4	1 1/2	1 1/8 x 1 1/4"	28.00	20
		5	2	1 1/4 x 1 1/2"	26.00	28.00	36.00	31.00	24
5.5		2 1/4	1 3/4 x 1 3/4"	26.00	28.00	36.00	31.00	24	
6.5		2 1/2	1 3/4 x 2"	26.00	28.00	36.00	31.00	24	
7.5		3	2 3/8 x 2 3/8"	26.00	28.00	36.00	31.00	24	
9		3 1/2	2 1/4 x 3 1/4"	27.00	29.00	36.00	32.00	24	
10.5		4 1/8	2 1/2 x 3 1/2"	29.00	31.00	38.00	35.00	32	
11.5		4 1/2	2 1/2 x 3 1/2"	31.00	33.00	41.00	37.00	32	
13.5		5 1/4	3 1/4 x 4 1/4"	41.00	45.00	56.00	52.00	42	
15		6	4 x 5"	47.00	49.00	62.00	57.00	42	
16.5		6 1/2	4 x 6"	49.00	55.00	71.00	67.00†	51	
18		7	4 3/4 x 6 1/2"	58.00	63.00	79.00	74.00†	51	
21		8 1/4	5 x 7"	71.00	80.00	103.00	90.00*	60	
25		10	5 x 8"	115.00	128.00	154.00	156.00*	70	
30		12	6 1/2 x 8 1/2"	224.00	240.00	292.00	272.00*	84.5	
36		14	6 1/2 x 8 1/2"	375.00	.....	.....	.....	106.5
40		16	6 1/2 x 8 1/2"	468.00	.....	.....	.....	115.5
50		20	10 x 12"	720.00	.....	.....	.....	133.5

Matching lenses for stereoscopic work is \$4.50 for each pair.

† Compur Shutter, old style.

* Compound Shutter.

Series	Focal Length		For Cameras	In Standard Mount N	In Sunk Mount B	In Focusing Mount A	In Compur Shutter	Mount Diameter mm.
	cm.	in.						
Tessar f/6.3	7.5	3	2 $\frac{3}{8}$ x 2 $\frac{3}{8}$ "	\$22.00	\$24.00	\$31.00	\$28.00	24
	9	3 $\frac{1}{2}$	2 $\frac{1}{4}$ x 3 $\frac{1}{4}$ "	22.00	24.00	31.00	28.00	24
	10.5	4 $\frac{1}{8}$	2 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	22.00	24.00	31.00	28.00	24
	13.5	5 $\frac{1}{4}$	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ "	26.00	30.00	38.00	34.00	32
	15	6	4 x 5"	32.00	34.00	41.00	37.00	32
	16.5	6 $\frac{1}{2}$	4 x 6"	39.00	42.00	53.00	49.00	42
	18	7	4 $\frac{3}{4}$ x 6 $\frac{1}{2}$ "	46.00	49.00	60.00	54.00	42
	21	8 $\frac{1}{4}$	5 x 7"	60.00	63.00	74.00	66.00	42
	25	10	5 x 8"	102.00	108.00	124.00	127.00	51
	30	12	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ "	181.00	.....	.....	212.00*	69
	36	14	8 x 10"	280.00	.....	.....	306.00*	69
50	20	10 x 12"	468.00	.....	.....	.....	106.5	
60	24	12 x 15"	648.00	.....	.....	.....	115.5	
Dagor f/6.8 f/7.7	18	7	5 x 7"	80.00	.....	.....	94.00	42
	21	8 $\frac{1}{4}$	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ "	102.00	.....	.....	125.00†	51
	24	9 $\frac{1}{2}$	7 x 9"	138.00	.....	.....	161.00†	51
	30	12	10 x 12"	197.00	.....	.....	221.00*	57
	36	14	12 x 15"	285.00	.....	.....	309.00*	57
Triplet f/5	70	28	7 x 9"	604.00	.....	.....	.....	170
W. A. Tessar f/8	5.5	2 $\frac{1}{8}$	1 $\frac{1}{2}$ x 2 $\frac{1}{2}$ "	56.00	.....	.....	56.00	24
W. A. Dagor f/9	4.5	1 $\frac{3}{4}$	1 $\frac{3}{4}$ x 2 $\frac{3}{8}$ "	58.00	.....	.....	.....	24
	6	2 $\frac{3}{8}$	2 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	58.00	.....	.....	.....	24
	7.5	3	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	52.00	.....	.....	59.00	24
	10	4	4 x 5"	55.00	.....	.....	63.00	32
	12.5	5	4 $\frac{1}{2}$ x 6 $\frac{1}{2}$ "	58.00	.....	.....	67.00	32
	15	6	5 x 8"	62.00	.....	.....	75.00	42
	18	7	7 x 9"	76.00	.....	.....	89.00	42
	21	8 $\frac{1}{4}$	8 x 10"	93.00	.....	.....	106.00	42
24	9 $\frac{1}{2}$	10 x 12"	110.00	.....	.....	134.00†	51	
Extreme W. A. Hypergon f/22	6	2 $\frac{3}{8}$	5 x 7"	In Special Mount with Star Diaphragm			180.00	.....
	7.5	3	8 x 10"				198.00	.....
	12	4 $\frac{3}{4}$	12 x 16"				252.00	.....
Kino Tele-Tessar f/4	7.5	3	1 $\frac{1}{4}$ x 1 $\frac{1}{2}$ "	In Special Mount for 16 m/m cine cameras			64.00	24ik
	10	4	1 $\frac{1}{4}$ x 1 $\frac{1}{2}$ "				83.00	30ik
	15	6	3 $\frac{1}{4}$ x 1"				120.00	40ik
Tele-Tessar f/6.3	12	4 $\frac{3}{4}$	1 $\frac{3}{4}$ x 2 $\frac{5}{16}$ "	\$70.00	\$72.00	\$80.00	\$79.00	23.5i
	18	7	2 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	90.00	92.00	99.00	99.00	37
	25	10	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ "	115.00	118.00	129.00	129.00	51
	32	12 $\frac{1}{2}$	4 x 6"	150.00	156.00	172.00	175.00†	60
	40	16	5 x 7"	193.00	201.00	.....	221.00*	69

Magnifiers

Focusing Microscope.....	14, 17, 24, 34 or 50x	\$63.00
" Magnifier with clamp collar.....	6x	15.00
" " " " ".....	10x	15.00
" " " sliding sleeve.....	6x	9.00
" " " " ".....	10x	9.00
Focusing and aligning Tube with crossline disc.....	2 $\frac{1}{2}$ x	18.50

† Compur Shutter, old style.

* Compound Shutter.

Objectives in Compur Rapid Shutters available with mount diameters of 24 mm (up to 1/500 sec.) and 32 mm (up to 1/400 sec.) — \$8.00 additional.

Each lens is furnished with lens cap and flange and those fitted in shutter also have a cable release.
Focusing scale (Price \$0.60) is not included in price of lens.

Series	Focal Length		For Cameras	In Standard Mount N	Cells Only	In Compur Shutter	Mount Diameter mm.
	cm.	in.					
Protar f/12.5	18	7	4 x 5"	\$50.00	\$37.00	\$63.00	37
	22	8 ³ / ₄	4 x 6"	52.00	40.00	66.00	37
	29	11 ¹ / ₂	5 x 7"	62.00	50.00	79.00	37
	35	14	7 x 9"	74.00	62.00	88.00	42
	41	16	10 x 12"	103.00	86.00	130.00*	57
	48	19	11 x 14"	127.00	110.00	155.00*	57
	59	23	12 x 15"	175.00	159.00	210.00*	69
	69	27	14 x 17"	220.00	200.00	272.00*	84.5

Series	Single Lenses cm.	Comb. Focus cm.	Single Lenses inches	Comb. Focus inches				
	22/18	11.5	8 ³ / ₄ / 7	4 ¹ / ₂	3 ³ / ₄ x 4 ¹ / ₄ "	89.00	103.00	37
	29/18	13	11 ¹ / ₂ / 7	5	3 ¹ / ₄ x 4 ¹ / ₄ "	99.00	112.00	42
	22/22	13	8 ³ / ₄ / 8 ³ / ₄	5	4 x 4 ¹ / ₄ "	92.00	105.00	37
	29/22	14.5	11 ¹ / ₂ / 8 ³ / ₄	5 ³ / ₄	4 x 5"	102.00	115.00	42
	35/22	15.5	14 / 8 ³ / ₄	6	4 x 5 ³ / ₄ "	114.00	127.00	42
	29/29	17	11 ¹ / ₂ / 11 ¹ / ₂	6 ³ / ₄	4 ³ / ₄ x 6 ¹ / ₂ "	111.00	125.00	42
	35/29	18.5	14 / 11 ¹ / ₂	7 ¹ / ₄	5 x 7 ¹ / ₂ "	124.00	139.00	42
	41/29	20	16 / 11 ¹ / ₂	8	5 x 7 ¹ / ₂ "	153.00	180.00*	57
	35/35	20.5	14 / 14	8	5 x 7 ¹ / ₂ "	136.00	149.00	42
	41/35	22	16 / 14	8 ³ / ₄	5 x 8"	165.00	192.00*	57
	48/35	23.5	19 / 14	9 ¹ / ₄	6 ¹ / ₂ x 8 ¹ / ₂ "	189.00	216.00*	57
	41/41	24	16 / 16	9 ¹ / ₂	6 ¹ / ₂ x 8 ¹ / ₂ "	189.00	216.00*	57
	48/41	26	19 / 16	10 ¹ / ₄	7 x 9"	213.00	241.00*	57
	59/41	28	23 / 16	11	7 x 9"	261.00	285.00*	69
	48/48	28	19 / 19	11	7 x 9"	237.00	265.00*	57
	59/48	31	23 / 19	12 ¹ / ₄	7 x 9"	286.00	320.00*	69
	69/48	33	27 / 19	13	8 x 10"	330.00	382.00*	84.5
	59/59	34	23 / 23	13 ¹ / ₂	8 x 10"	330.00	364.00*	69
	69/59	37	27 / 23	14 ¹ / ₂	10 x 12"	375.00	426.00*	84.5
	69/69	40	27 / 27	16	10 x 12"	420.00	439.00*	84.5

Set of Protars	Bo. 18, 22, 29, cm.	Cells in case	4 x 5"	139.00	152.00	37
	C. 22, 29, 35, cm.	Cells in case	5 x 7"	164.00	177.00	42
	D. 29, 35, 41, 48, cm.	Cells in case	7 x 9"	325.00	352.00*	57

Series	Focal Length:		In Standard Mount with Iris Diaphragm	In Compound Shutter	Set of 4 Waterhouse Stops	Prisms with Revolving Collar	
	cm.	in.				cm.	
Apo-Tessar f/9	24	9 ¹ / ₂	\$140.00	\$165.00	\$8.50	5.5	\$140.00
	30	12	168.00	193.00	8.50	5.5	140.00
	45	18	252.00	301.00	11.00	7	238.00
	60	23 ¹ / ₂	371.00	.....	11.00	10	502.00
	75	29 ¹ / ₂	560.00	.....	17.00	12.5	882.00
	90	35 ¹ / ₂	875.00	.....	39.00	12.5	882.00
f/11	120	48	1400.00	.....	62.00	.....	.....
S Tessar f/6.3	12	4 ³ / ₄	89.00	.....	.....	.....	.....

Price List of Additional Process Equipment and Accessories on Request

BERNOTAR Polarizing Filters

Designation	Price \$
24 mm Slip-Over Mounts	\$ 7.50
27 " "	9.00
28.5 " "	10.00
32 " "	12.00
37 " "	13.00
42 " "	16.00
51 " "	20.00

Carl Zeiss Filters				Sunshades, Mounts, Etc.					
Designation Old New		Yellow Filters	Red or Green Filters	Sun Shades	Flanges	Standard Mount N	Sunk Mount B	Focusing Mount A	Compur Shutter
Slip-Over Mount									
Fitting Charge Extra—\$3.00 to \$5.00									
III	21	4.00		\$ 2.00	\$ 1.00	\$13.00	\$16.00	\$30.00	\$25.00
	24	4.00	\$5.00						
	27	4.00	5.00						
	28.5	4.00	5.00						
	30	5.00							
	32	5.00	6.00						
	37	5.00	7.00						
IV	42	5.00	8.00	2.00	1.50	14.50	16.00	32.00	27.00
VI	51	6.00	8.00	4.00	2.00	17.00	24.00	44.00	38.00†
VII	57	9.50		4.50	2.25	20.00	31.00	60.00	45.00*
	60	9.50		4.50	3.00	20.00	31.00	60.00	45.00*
X	69	21.00		6.00	3.00	24.00	40.00	72.00	55.00*
	70	21.00		6.00	3.25	24.00	40.00	72.00	55.00*
XII	84.5	28.00		7.00	3.50	24.00	40.00	92.00	72.00*

† Compur Shutter, old style.
* Compound Shutter.

Distar Lenses		Distar Lenses		Proxar Lenses		Proxar Lenses				
Designation Slip-Over Mount	Price \$	Designation Slip-Over Mount	Price \$	Designation Slip-Over Mount	Price \$	Designation Slip-Over Mount	Price \$			
1 x 21	\$4.50	1.5 x 42	\$6.00	1 x 21	\$4.50	0.5 x 42	\$6.00			
2 x 21				2 x 42		2 x 21		1 x 42		
1 x 24				2.5 x 42		1 x 24		1.5 x 42		
2 x 24				3 x 42		2 x 24		2 x 42		
2 x 27				3.5 x 42		0.5 x 27		0.5 x 51		
3 x 27		1 x 51	6.75	1.5 x 51		1 x 27	\$6.00	1 x 51	6.75	
3.5 x 27						1.5 x 27		1.5 x 51		
2 x 28.5						0.5 x 28.5		1 x 28.5		0.5 x 57
3 x 28.5						1 x 28.5		1.5 x 28.5		1 x 57
3.5 x 28.5						2 x 28.5		2 x 28.5		0.5 x 60
2.5 x 30	6.00	1 x 57	11.50	0.5 x 30	6.00	1 x 60	11.50			
3.5 x 30				1.5 x 30		1 x 57				
4.5 x 30				2 x 30		0.5 x 60				
1 x 32				0.5 x 32		1 x 60				
1.5 x 32				1 x 32						
2 x 32		1.5 x 32								
2.5 x 32		2 x 32								
3 x 32		0.5 x 37								
3.5 x 32		1 x 37								
4 x 32		1.5 x 37								
1.5 x 37	2 x 37									
2 x 37	2.5 x 37									
2.5 x 37	3 x 37									
3 x 37	3.5 x 37									
3.5 x 37										

Extra Case for Filters, Distars, Proxars\$1.00
Lens Cap, Focusing Scale\$0.60

When ordering Distars, Proxars, Filters, Sunshades or Flanges for objectives in Compur Shutter, specify whether or not the shutter has the self-timing device.

CARL ZEISS, Inc., 485 Fifth Avenue, NEW YORK

Pacific Coast Branch—728 So. HILL ST., LOS ANGELES