

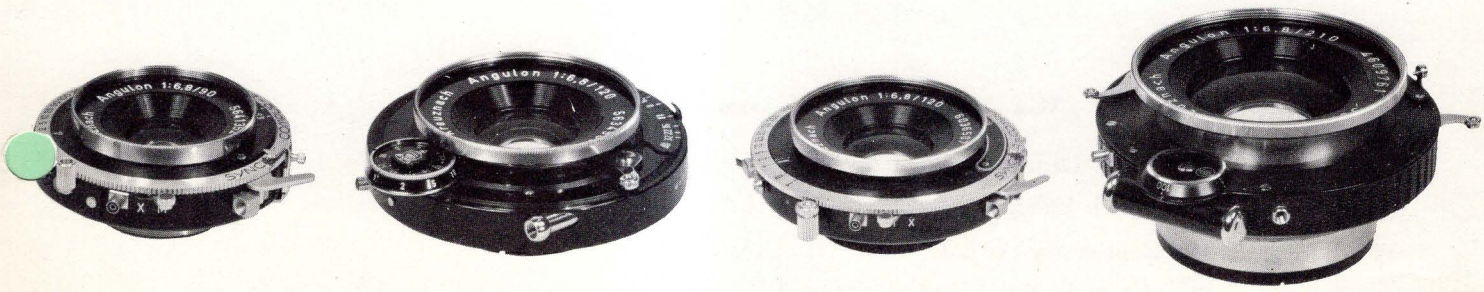
SCHNEIDER lenses



Burleigh Brooks Inc.

• catalogue vol. 2, 1961 •

twenty-five cents



Index

- 3, 4 Schneider lens types
- 7 General purpose lenses, Xenar, Xenotar, Symmar
- 7 Wide angle lenses, Angulon, Super-Angulon
- 8 Telephoto lenses, Tele-Xenar, Tele-Arton
- 9 Enlarging lenses, Componar, Componon
- 10 Interchangeable lenses, single lens reflex cameras
- 12 Interchangeable lenses, Leica
- 12 Cine lenses, 8, 16, and 35mm
- 14 Magnifiers
- 6 Mounting, mounting flanges
- 6 Operation of shutters
- 14 Table, description of shutters
- 14 Table, negative diagonals
- 14 Table, mm to inches

- 16 Veriwide 100, wide angle camera

- 17 Nikor roll film tanks
- 17 35mm tanks
- 18 Semi-automatic loader, 35mm
- 18 Ultra-miniature 16mm, Minox tanks
- 18 Multiple tank, daylight type
- 19 Multiple tanks with plain cover
- 19 Film wash unit for multiple tanks
- 18 Reels
- 18 Reel carrying cage
- 19 Miniature cut film tank
- 19 Adjustable 4x5 cut film tank
- 20 Cine film processing machines
- 21 Parts and accessories, film processing machines
- 21 Drying motor attachment, film processing machines
- 21 Roto-wash tank, film processing machines
- 22 Nikor safety trimmer
- 22 Pocket flash gun with mercury battery
- 22 Perutz roll films
- 22 Cine films
- 23 Leonar photographic papers
- 24 Mecablitz electronic flash

BURLEIGH BROOKS INC. • 420 Grand Avenue, Englewood, New Jersey • LOwell 9-8400

Branches: 608 South Dearborn Street, Chicago 5, Illinois
1319 North LaBrea Avenue, Hollywood 28, California
111 Continental Avenue, Suite 112, Dallas 7, Texas
2257 Cascade Road S.W., Atlanta 3, Georgia

SCHNEIDER LENS TYPES

Xenar general purpose lenses

A very well corrected standard lens of four glass construction (two cemented lenses and two air spaced). The design of the long popular Xenar affords excellent light transmission, very fine definition with brilliant contrast and separation of tones for color or black and white. Focal lengths 105 to 480mm.

Xenotar high speed press type lenses

High speed Xenotar lenses may be used at full aperture, providing full illumination over the entire field, and an extremely high degree of resolving power for both color and black and white. Optimum image quality is reached at f:4. Focal lengths 80 to 150mm.

Design: four air spaced components of five glasses (three single lenses and a cemented pair).

With the use of new optical glasses of high refractive power and special coating of all surfaces, designers, permitted possibilities for more radical constructions, have achieved an outstandingly superior high speed lens system for general purposes in focal lengths for formats from $2\frac{1}{4} \times 2\frac{1}{4}$ to 4×5 , with highest degree of correction of all lens faults.

Symmar commercial type, wide field lenses

General purpose lens of special design for most exacting requirements in commercial, industrial and architectural work. The wide angle of view (65° at full aperture-increases to 70° stopped down) permits extensive camera movements. Symmar's fully corrected air spaced construction affords extremely high resolution and coverage of the entire field, with excellent separation of tones and gradation, and precise color rendition.

Design: four air spaced components of six lens elements (two cemented and two individual lenses). The almost symmetrical design of the Symmar permits working at very close range. *Note:* for image scale greater than 1:1 (when lens to subject distance is shorter than lens to film distance) — lens should be reversed; that is, front cell should face the longer distance.

The Symmar is a convertible lens and, if the camera used provides sufficient extension, the front cell may be removed, permitting use of the rear component only. Relative aperture (rear cell) is f:12, focal length approximately 1.75x longer than complete lens, angle of view approximately 40° . Convertible feature recommended for portraiture, landscape.

Angulon 6.8 wide angle lenses to 80°

For general wide angle work, a symmetrical lens design with angular field of 80° at full aperture, increasing to 98° when stopped down; highly corrected and free of distortion. With stopping down the next shorter focal length 6.8 Angulon may be used to obtain extreme wide angle coverage of a given negative size (or extensive use may be made of camera movements by stopping down the "normal" focal length lens. With the lens centered, however, coverage of the prescribed negative size is obtained at full aperture.

Design: two components of three cemented lenses each. Front and rear cells of the Angulon 6.8 may be used independently to obtain (front) 2x and (rear) $1\frac{1}{2}$ x the focal length and scale of reproduction of the complete lens. Exposure factor, front lens: 4x, rear: 3x. Use of the convertible feature recommended for portraiture, landscape work.

Super-Angulon wide angle lenses to 100°

Modern air spaced high efficiency construction offers highest edge to edge definition and illumination, distortion free linear perspective, with extreme angle of view of 100° available at full aperture.

This remarkable achievement lends considerable versatility to wide angle work by permitting the extensive use of camera movements (normal focal length and format combinations, angle 80 to 85°), as well as use of full 100° (employing next larger negative size or next shorter focal length lens for a given format) without the speed loss due to the usual necessity for stopping down.

Design: 6 glass construction in four air-spaced components (two cemented pair, and two individual lenses). Available in shutter mount only. Not convertible.

Tele-Xenar and Tele-Arton telephoto lenses

Specially designed to obtain the large scale reproduction of standard lenses in the longer focal lengths, while remaining compact and light in weight. The short back focus (distance from center of rear

element to focal plane) of telephoto lenses eliminates the long bellows extension required with long focus standard lenses, rendering them as easy to use, relatively, as normal short focus lenses.

Tele-Arton constructions, in particular, are high in speed, provide excellent definition and contrast over the entire field at maximum aperture. Design: four to six elements.

While Tele-Xenar and Tele-Arton lenses provide quality and image scale equal to standard lenses of the same focal length, their narrower field of view (smaller coverage) requires that a relatively longer focal length be used to cover a given negative size. Therefore their use is normally indicated for long distance work (distant scenes, sports, wild-life, etc.), rather than general portrait or commercial photography.

Interchangeable lenses for single lens reflex cameras

Schneider interchangeable lenses specially computed for the miniature format of single lens reflex cameras in focal lengths of 28mm to 360mm. Helical focusing mounts include click stops, pre-set diaphragm and automatic depth-of-field indicator. Intricately designed mounts combine light weight aluminum alloy with special brass parts at critical points to maintain highest precision in manufacture as well as in use.

Enlarging lenses: Componar and Componon

The high order of special corrections required of lenses for enlarging use are well realized in the Componar lens design. The moderately priced Componar of 3 to 4 glass construction offers excellent qualities of contrast, gradation and definition.

Still more rigidly critical requirements (to maintain highest quality for large scale enlargement, top quality results in color or black and white) are met by the most highly corrected air spaced Componon lens constructions of 4 to 6 glasses.

Componar and Componon lenses are supplied in normal non-focusing mounts with click stop iris diaphragm. 50mm focal lengths also available in special mounts for Leica enlarger.

Adapter ring to use normal mount lenses in Leica enlarger. For Componar 50mm to 75mm, Componon 50mm to 105mm — specify. \$2.00

Cine lenses in focusing mount, 8mm

Well known Schneider high speed cine lenses for 8mm cameras. Intricate brass mount constructions include click stop diaphragm, depth of field scale, distance readings in meters and feet; chrome finish. Latest optical designs for outstanding performance.

16mm cine lenses with automatic depth of field indicator

Most recent innovation — a completely new line of cine lenses incorporating a number of optical and mechanical improvements. Newest optical designs provide higher speed with unsurpassed definition, and uniform spectral transmission of light for all focal lengths (consistently correct color balance is maintained when several lenses may be used in the course of filming). Wider angle of view provided by the new wide angle lens of shorter focal length.

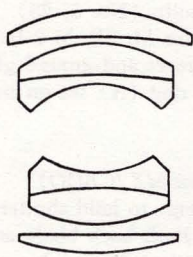
Mechanical features include click stops which may be disengaged (green button) for smooth, complete fades. Linear scale f numbers (evenly spaced) in white, and additional "T" (true-stop) scale (green).

Automatic depth of field indicator window gives constant indication of exact depth being covered, self-adjusts according to f stop and distance. Two ranges of depth are provided: field in red for normal use, yellow field for most exacting requirements (circle of confusion of 1/1000th of the diagonal).

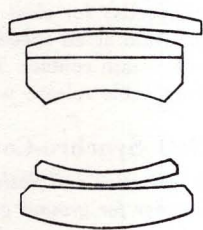
Lens mounting threads are adjustable, permit bringing lens scales to best position for use with the individual camera. 100 and 150mm telephoto lenses equipped with pre-setting device for setting focusing limits (infinity and one near distance).

Lenses are interchangeable amongst all 16mm cameras, with the exception of focal lengths up to 50mm only, which require a special optical computation for the Bolex H-16 Reflex camera. Therefore the shorter focal lengths only, up to 50mm, for use with the Bolex H-16 are marked "RX". All in "C" mounts. Mounts in black with white scales.

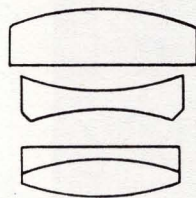
SCHNEIDER-Normal-Lenses



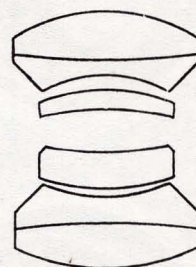
1



2

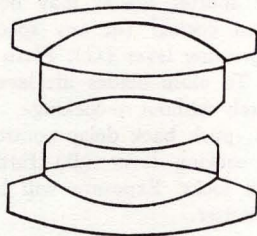


3

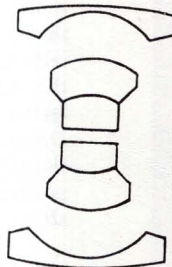


4

SCHNEIDER-Wide-Angle-Lenses



5

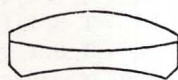


6



7

SCHNEIDER-Tele-Lenses

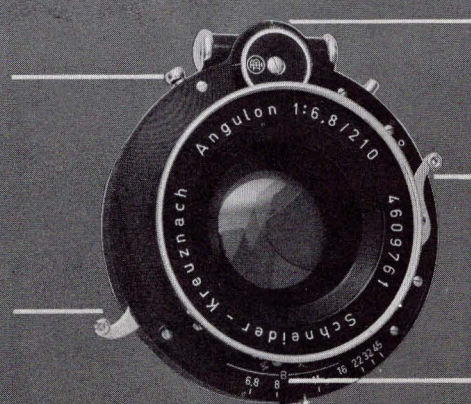
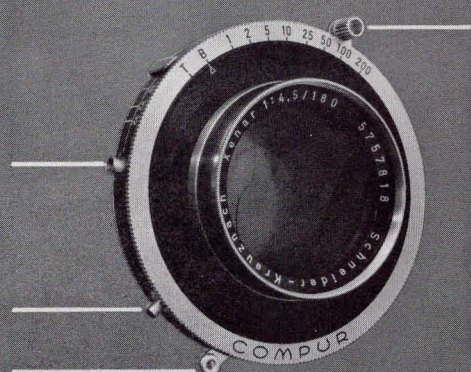
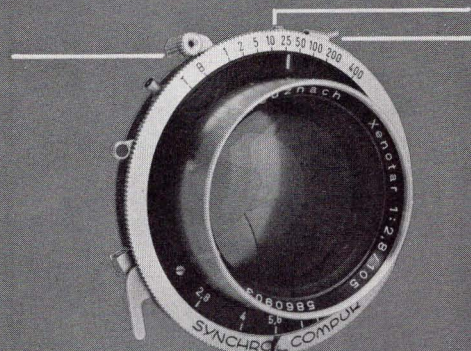
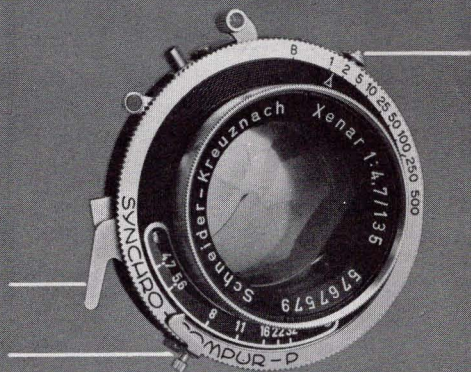
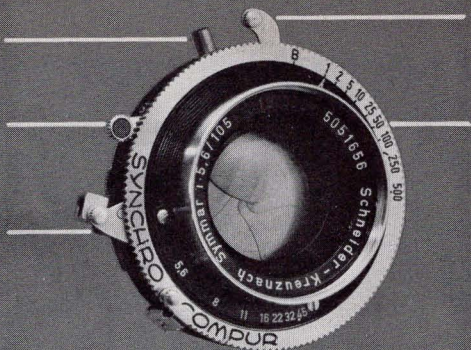


8



9

- | | | |
|-----------|-----------------|---------------|
| 1 XENON | 4 SYMMAR | 7 RADIOGON |
| 2 XENOTAR | 5 ANGULON | 8 TELE-XENAR |
| 3 XENAR | 6 SUPER-ANGULON | 9 TELE-ARTION |



OPERATION OF SHUTTERS

MX/CROO Synchro-Compur

speeds: B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250, 1/500 sec. Select and set speed with serrated ring (A). Cock shutter by moving lever (B) clockwise until it locks. Release with lever (C) or with cable release. *Flash:* lever (D) — M setting provides full synchronization (all speeds) for class M flash bulbs (No. 5, 25). X setting for electronic flash at all speeds, — also for M, SF, M-2 bulbs at slower speeds. (E) flash contact. *Time exposures* and ground glass focusing: use locking cable release with speed ring (A) set on bulb.

MX/CRO Synchro-Compur

(*speeds, operation and flash same as for MX/CROO*)

Blade arrester for ground glass focusing: to hold shutter blades open set speed and cock in usual manner. Push back blade arrester button (F) and release shutter (C). After focusing, slide arrester button forward or push cocking lever slightly clockwise. Recock shutter for exposure. (O) f/ stop lever.

MX/CRI Synchro-Compur

speeds: T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/200, 1/400-500 sec.

(*operation and flash same as for MX/CROO*)

Time exposures: use "T" setting on speed ring.

Blade arrester: shutter blades may be opened for focusing after shutter has been cocked (at any speed—also with delayed action setting) by depressing lever (G). Flash circuit remains open during this operation. To close blades lift lever (G). Shutter may be released immediately without re-cocking.

Delayed action: push back delay control button (H) after cocking shutter; move cocking lever (B) further clockwise from cocked position until it locks. Exposure will be delayed approx. 10 secs. after releasing shutter.

EX/CRII Compur

speeds: T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/200 sec.

Note that cocking lever (B) is located at the right. Shutter need not be cocked for Time and Bulb; with these settings, open and close shutter by means of release lever (C) or with cable release at (K). *Flash:* X synchronization for electronic flash at all speeds. Use flash bulbs up to 1/25 sec. Flash contact (E).

EX/CDIII, IV, V Compound

speeds: III — T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/75, 1/100 sec.

IV — T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/75 sec.

V — T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50 sec.

Instantaneous exposures: set button (M) to 'M'. Set speed at dial (L). Press lever (B) down until it locks to cock.

Release: press lever (C) or use cable release (socket N). Note: at 1, 1/2, 1/5 sec. allow at least 6 secs. between cocking and releasing to permit correct adjustment of pressure in shutter piston for accurate exposure. *Flash:* same as for EX/CRII. Time and bulb exposures: set button (M) to 'T' or 'B'. Open and close blades with lever (C) or with cable release.

MOUNTING FLANGES: lenses are supplied with lens board retaining ring or mounting flange (with screw-holes). Additional flanges or rings may be ordered (specify shutter size, or lens):

(OO) \$2.20, (O) 2.40, (I) 2.80, (II) 3.40, (III) 3.80, (IV) 4.40, (V) 5.20

MOUNTED LENSES. Lenses may be ordered mounted for Face maker, Crown or Century Graphic cameras, "23", "34", or "45" for \$2.00 additional; (retainer ring mounting, shutter size 00, 0 and I). When ordering please specify camera size and model.

speed/ focal length	shutter	price shutter	price barrel	format inches	max. image circle diam. mm	max. angle	small- est stop f/	filter series	slip-on filter mount diam. mm	no. of ele- ments	rear mount diam. mm
Xenar general purpose lenses											
3.5/105	MX/CRO	\$ 89.95	\$ 69.95	2¼x 3¼	121	60	22	7	42	4	31
4.5/105	MX/CRO	89.95	49.95	2¼x 3¼	126	62	32	6	42	4	31
4.5/135	MX/CRI	99.95	54.95	4 x 5	162	62	32	7	42	4	37.5
4.7/135	MX/CRO	99.95	54.95	4 x 5	162	62	32	7	42	4	31
4.5/150	MX/CRI	99.95	59.95	4 x 5	180	62	32	7	42	4	37.5
4.5/180	EX/CRII	184.95	79.95	4 x 6	216	62	32	8	51	4	51
4.5/210	EX/CDIII	199.95	94.95	5 x 7	252	62	32	8	60	4	57.5
4.5/240	EX/CDIV	239.95	149.95	5 x 7	288	62	32	9	70	4	70
4.5/300	EX/CDV	324.95	224.95	8 x10	360	62	32		85	4	85
4.5/360	barrel only		329.95	8 x10	432	62			105	4	105
4.5/420	barrel only		429.95	11 x14	504	62			125	4	125
4.5/480	barrel only		629.95		576	62			125	4	125

Xenotar—High Speed Press Type Lenses

2.8/80	MX/CRO	\$149.50	\$129.50	2¼x 2¼	86	56°	22	7	42	5	36
2.8/105	MX/CRI	189.50	144.50	2¼x 3¼	113	56	22	8	51	5	48
3.5/135	MX/CRI	179.50	139.50	4 x 5	152	58	22	8	60	5	48
2.8/150	EX/CRII	349.50	274.50	4 x 5	162	56	32		80	5	63

Symmar—Commercial Type Wide Field Lenses

5.6/105	MX/CROO	\$ 99.50	\$ 74.95	2¼x 3¼	151	66	45	6	32	6	28.5
5.6/135	MX/CRO	99.50	79.95	4 x 5	189	70	45	7	42	6	31.5
5.6/150	MX/CRI	139.50	94.95	4 x 5	210	70	45	8	51	6	38
5.6/180	MX/CRI	159.50	119.95	5 x 7	253	70	45	8	60	6	45
5.6/210	MX/CRI	189.50	144.95	5 x 7	300	70	45	8	60	6	54
5.6/240	EX/CRII	254.50	179.95	8 x10	334	70	45	9	70	6	60
5.6/300	EX/CDIII	374.50	284.95	11 x14	400	70	64		90	6	80
5.6/360	EX/CDIV	469.50	369.95		500	70	64		110	6	100

Angulon wide angle lenses to 80°

6.8/65	MX/CROO	79.95	59.95	2¼x 3¼	150	80	22	5	32	6	24
	Prontor 0/00	79.95									
6.8/90	MX/CRO	89.95	64.95	4 x 5	207	80	32	6	42	6	31
	Prontor 0	79.95									
6.8/120	MX/CRI	119.95	69.95	5 x 7	276	80	32	7	51	6	37.5
	Ibsor I	89.95									
6.8/165	EX/CRII	179.95	99.95	8 x10	380	80	32	8	60	6	48
6.8/210	EX/CDIII	219.95	119.95	11 x14	483	80	45	9	70	6	57

LENS CAPS: flexible, unbreakable plastic caps, all diameters, for front or rear elements, specify lens, \$1.20 ea.

speed/ focal length	shutter	price shutter	price barrel	format inches	max. image circle diam. mm	max. angle	small- est stop f/	filter series	slip-on filter mount diam. mm	no. of ele- ments	rear mount diam. mm
Super-Angulon wide angle lenses to 100°											
8.0/47	MX/VOO Prontor 0/00	149.50 139.50		2¼x 3¼	112	100	32	7	42	6	34
8.0/65	MX/VOO Prontor 0/00	154.50 149.50		4 x 5	155	100	45	8	51	6	42
8.0/75	MX/VOO	164.50		4 x 5							
8.0/90	MX/VOO Prontor 0/00	179.50 169.50		5 x 7	222	100	64	9	70	6	57
8.0/121	MX/CRO	279.50		8 x 10	300	100	45		80	6	75
8.0/165	MX/CRI	424.50		11 x 14	393	100	64		110	6	100
8.0/210	MX/CRI	659.50			500	100	64		132	6	125

Tele-Xenar telephoto lenses

5.5/360	EX/CDIII	249.50	149.50	5 x 7	206	32	32	8	70	4	57
5.5/500	EX/CDV	479.50	389.95	8 x 10	286	32	32	9	110		86

Tele-Arton telephoto lenses

5.5/180	MX/CRO	124.50	99.95	2¼x 3¼	113	35°	32	6	42	5	48
5.5/240	MX/CRI	189.50	144.95	2¼x 3¼	128	30	32	8	51	5	50
5.5/240	EX/CRII	239.50	159.95	4 x 5	151	35	32	8	51	5	65
5.5/270	EX/CRII	279.50	199.95	4 x 5	170	35	32	8	60	5	70



Special Focusing Mounts for Super-Angulon lenses

Accessory focusing mount for Super-Angulon lenses extends the focusing range for closer distances, also facilitates operation of shutter. Mounts are available for 47, 65, 75 and 90mm focal lengths. Special mount fits on rear threads. Price, ea. \$52.25

Enlarging lenses

speed/ focal length	price	format inches	small- est stop f/	lens board hole diam. mm	no. of ele- ments	front mount diam. mm	rear extension from flange mm
---------------------------	-------	------------------	---------------------------------	--	-------------------------	-----------------------------------	---

Comonar, normal mount

4.0/50	29.50	1 x 1½					
4.0/60	34.50	1½x 1⅝	32	27		36	3
4.5/75	34.50	2¼x 2¼	22	27	3	36	5
4.5/105	34.50	2¼x 3¼	22	35	3	48	5
4.5/135	49.50	4 x 5	22	42	4	57	8

Comonar, Leica mount

4.0/50	34.50	1 x 1½					
--------	-------	--------	--	--	--	--	--

Componon, normal mount

4.0/50	54.50	1 x 1½	16	27	5	36	7
5.6/50	54.50	1 x 1½	22	27	6	36	4
5.6/60	54.50	1½x 1⅝	32	27	6	36	7
5.6/80	54.50	2¼x 2¼	32	27	6	36	8
5.6/105	69.50	2¼x 3¼	45	35	4	36	6
5.6/135	74.50	4 x 5	45	35		42	15
5.6/150	89.50	4 x 5	45	42	6	57	19
5.6/180	109.50	5 x 7	45	42	6	60	0
5.6/210	134.50	5 x 7	45	42	6	60	27
5.6/240	169.50	8 x10	45	80	6	70	18
5.6/300	269.50	8 x10	64	94	6	90	15

Componon, Leica mount

4.0/50	54.50	1 x 1½	16		5	36	
5.6/50	54.50	1 x 1½	22		6	36	

Adapter ring to use normal mount lenses in Leica enlarger. For Comonar 50mm to 75mm, Componon 50mm to 105mm, — specify. \$2.00



Interchangeable lenses for single lens reflex cameras

speed/ focal length	lens	mount	no. of ele- ments	angle of view	image	slip-on filter mount series	slip-on filter mount diam.	length of lens	weight	closest dis- tance	small- est stop
					scale compared to 50mm lens						
4.0/28	Curtagon	stopomatic	7	75°	0.56	7	51	49	11.6	11 in.	22
2.8/35	Curtagon	automatic	6	63	0.7	7	51	50	7.4	1.2	22
2.8/35	Curtagon	stopomatic	6	63	0.7	7	51	51	11.4	1.2	22
1.9/50	Xenon	stopomatic	6	45	1.0	7	51	51	12	1.8	22
3.5/90	Tele-Xenar	pre-set	4	27	1.8	7	51	66	14.4	3.5	22
3.5/135	Tele-Xenar	pre-set	4	19	2.7	7	51	90	20.6	5.0	22
3.5/135	Tele-Xenar	stopomatic	4	19	2.7	7	51	96	24.3	5.0	32
5.5/200	Tele-Xenar	pre-set	4	13	4.0	7	51	140	20.8	7.0	32
5.5/360	Tele-Xenar	pre-set	4	7	7.0	8	75	250	45.8	15.0	32

Lenses for Exakta or Exa cameras

		mount	list price	case
4.0/28mm	Curtagon	stopomatic	154.50	\$ 5.10
2.8/35	Curtagon	stopomatic	134.50	5.10
1.9/50	Xenon	stopomatic	174.50	5.10
3.5/90	Tele-Xenar	pre-set	89.50	5.10

Lenses for Exakta camera only

3.5/135	Tele-Xenar	pre-set	109.50	6.45
3.5/135	Tele-Xenar	stopomatic	149.50	9.00
5.5/200	Tele-Xenar	pre-set	124.50	9.45
5.5/360	Tele-Xenar	pre-set	224.50	13.95

Lenses for Heiland Pentax, Praktica, Pentacon, Praktiflex FX, Contax S-D, Hexacon, Edixa, Asahiflex

2.8/35	Curtagon	Edixa*	129.50	4.35
2.8/35	Curtagon	Automatic	119.50	4.35
3.5/90	Tele-Xenar	Pre-set	89.50	5.10
3.5/135	Tele-Xenar II	Pre-set	109.50	6.45
3.5/135	Tele-Xenar II	Edixa*	124.50	6.45
3.5/135	Tele-Xenar	Automatic	124.50	6.45
5.5/200	Tele-Xenar	Pre-set	124.50	9.45
5.5/360	Tele-Xenar	Pre-set	224.50	13.95

Lenses for Praktina

3.5/135	Tele-Xenar	pre-set	109.50	6.45
5.5/200	Tele-Xenar	pre-set	124.50	9.45
5.5/360	Tele-Xenar	pre-set	224.50	13.95

* Automatic mount has spring-loaded internal (through camera) diaphragm release.

*With automatic diaphragm, internal release—for Edixa, Praktica, Pentacon.

Note: 90 to 360mm lenses are supplied with threaded reversible lens-hood (mounts on lens in reverse position when not in use, — fits in case).

PRE-SET DIAPHRAGM: with the turn of an outer ring the diaphragm is closed down to the pre-set or pre-selected stop position (f/ number) for shooting, quickly returned to full opening for focusing and viewing.

FULLY AUTOMATIC (STOPOMATIC) DIAPHRAGM: diaphragm is automatically closed down to pre-selected f/ number with pressure on shutter release, returns automatically to full opening after exposure. For automatic operation align two black dots with red dot on release knob. Automatic feature may be disengaged for time exposures or self-timer operation (align two red dots).

AUTOMATIC DEPTH OF FIELD INDICATOR (STOPOMATIC MOUNTS): moving red fields (as the lens is focused) indicate by the white band exposed between them the extent of depth obtained according to the aperture which has been pre-selected. In the same way extended or decreased depth is shown (and desired depth may be selected) by changing the aperture.

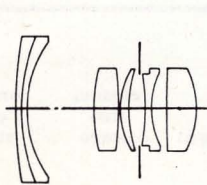
DUST CAP, metal, for Kine Exakta body, \$1.20

REAR LENS CAP, metal, for Kine Exakta lenses, \$1.20

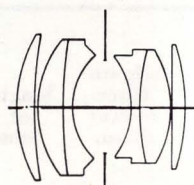
Lenses for Kine-Exakta



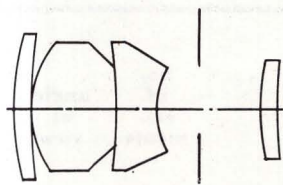
Lenses for single lens reflex cameras



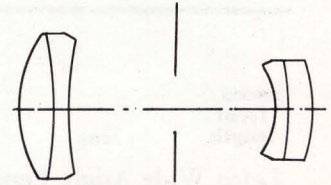
Curtagon



Xenon



Tele-Xenar
3.5/90,135



Tele-Xenar
5.5/200,360

Cine lenses, standard types, in focusing mount

speed/ focal length	lens	price	angle	lens ele- ments	small- est stop f/	closest dis- tance ft.	slip-on filter mount diam. mm	largest diam. mm	filter series
8mm cine, D mount									
1.8/5.5	Cinegon	\$ 89.95	57°	9	16	8 (in.)	23	28.8	5
2.7/12.5	Kinoplan	34.95							
1.9/13	Xenoplan	54.95	25.2	4	16	1.	24	28.8	5
1.5/13	Xenon	94.95	25.1	6	16	1.	24	28.8	5
1.5/25	Xenon	84.95	13.2	6	16	1.75	24	28.8	5
2.8/38	Xenar	59.95	9	4	16	1.75	24	28.8	5

(13mm to 45mm focal lengths include lens hood).

Cine lenses with auto-depth-of-field indicator, focusing mount

16mm cine, C mount

1.8/10	Cinegon	\$149.50	64°	9	22	8 (in.)	33.5	39	6
2.0/16	Xenon	94.50	43	6	22	2.8	33.5	39	6
1.4/25	Xenon	89.50	28	7	22	1.8	33.5	38	5
2.0/50	Xenon	99.50	16	7	22	2.8	33.5	39	5
2.8/75	Tele-Xenar	79.50	10	5	22	5.0	33.5	39	5
2.8/100	Tele-Xenar	144.50	7	4	32	6.0	43.5	51	6
4.0/150	Tele-Xenar	129.50	5	5	32		43.5		6

Note: 10mm to 50mm focal lengths: specify (RX) if for Bolex H-16 Reflex. 25mm to 150mm focal lengths include combination lens hood - filter adapter.

35mm Cine Lenses, barrel mount

2.0/20	Cinegon	\$359.50		8	22		110	110	8
2.0/28	Xenon	94.50							
2.0/35	Xenon	89.50							
2.0/40	Xenon	89.50							
2.0/50	Xenon	89.50							
2.0/75	Xenon	129.50							
2.0/100	Xenon	294.50			32		65	65	8

speed/ focal length	lens	price	no. of ele- ments	angle of view	filter series	slip-on filter mount diam. mm	length of lens mm	weight ozs.	closest dis- tance ft.	small- est stop f/
Leica Wide Angle Lens										
2.8/35	Xenogon	\$ 99.50	6	63°	5	36	30	6	3.5	22

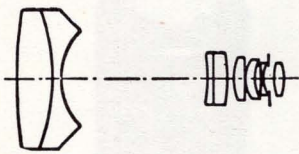
8mm cine lenses



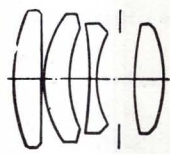
16mm cine lenses with auto-depth-of-field



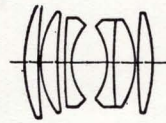
Cine lenses



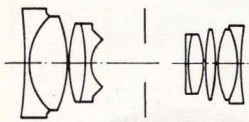
Cinegon



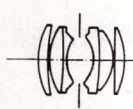
Xenoplan



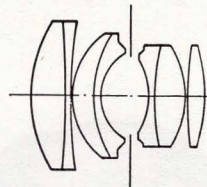
Xenon 1:1.5
f = 13 & 25 mm



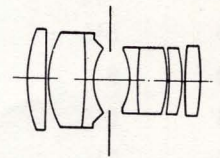
Cinegon 1:1.8 10 mm



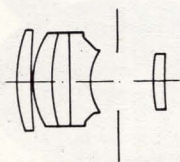
Cine-Xenon 1:2.0 16 mm



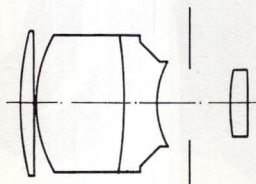
Cine-Xenon 1:1.4 25 mm



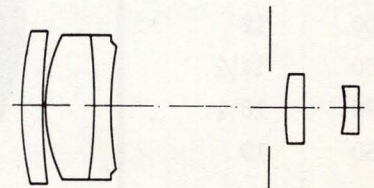
Cine-Xenon 1:2.0 50 mm



Cine-Tele-Xenar 1:2.8 75 mm



Cine-Tele-Xenar 1:2.8 100 mm



Cine-Tele-Xenar 1:4.0 150 mm

Description of shutters

	type	flash	self timer	blade arrester	speeds	rim set	dial set	cable socket	self cocking
MX/VOO	Compur	MX	*		B, 1-1/500	*		*	
MX/CROO	Compur	MX			B, 1-1/500	*		*	
MX/CRO	Compur	MX		*	B, 1-1/500	*		*	
MX/CRI	Compur	MX	*	*	T, B, 1-1/400, 500	*		*	
EX/CRII	Compur	X			T, B, 1-1/200	*		*	
EX/CDIII	Compound	X			T, B, 1-1/100		*	*	
EX/CDIV	Compound	X			T, B, 1-1/75		*	*	
EX/CDV	Compound	X			T, B, 1-1/50		*	*	
Prontor Press		X			T, B, 1-1/125	*		*	*
Ibsor		X			T, B, 1-1/125	*		*	*
Ibsor I		X			T, B, 1-1/125		*	*	*

Note: MX/VOO shutter equipped with linear scale (evenly spaced) diaphragm settings.

Schneider Magnifier

An excellent aid for precise ground glass focusing, as well as for inspection negatives and transparencies. The well corrected aplanatic element is composed of three cemented lenses which are mounted in smooth working brass helical focusing mount (enameled black). Smooth nylon rim at base of tube protects negatives or viewing screen from abrasion. Magnifier is available in eight power only. \$9.95.

Table mm to inches

mm	inches
50	2
65	2 ⁵ / ₈
75	3
90	3 ¹ / ₂
105	4 ¹ / ₈
120	4 ³ / ₄
135	5 ¹ / ₄
150	6
165	6 ¹ / ₂
180	7 ¹ / ₈
210	8 ¹ / ₄
240	9 ¹ / ₂
270	10 ⁵ / ₈
300	12
360	14 ¹ / ₄
420	16 ³ / ₄
480	19

To convert mm to inches divide by 25.4

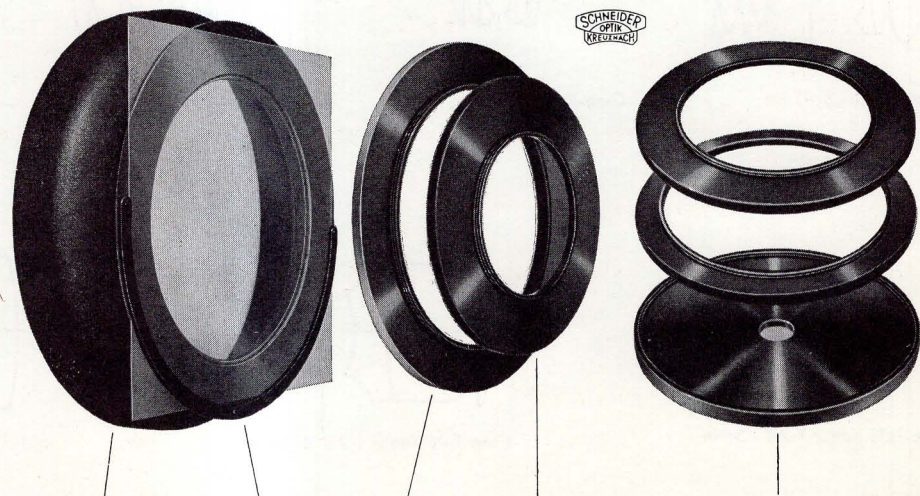
Table of negative diagonals

film size inches	diagonal inches	mm
2 ¹ / ₄ x 2 ¹ / ₄	3- 3/16	80
2 ¹ / ₄ x 3 ¹ / ₄	3-15/16	100
4 x 5	6 ³ / ₈	161
4 x 6	7 ¹ / ₄	184
5 x 7	8 ³ / ₈	219
8 x 10	12 ³ / ₄	323
11 x 14	17 ⁷ / ₈	453



Magnifier

MAGNETIC FILTER HOLDERS



Lens hood

Gelatine filter holder

Magnet ring

Spacing ring Ila

Spacing rings IIb, IIc and IIId

FILTER-HOLDERS II

for

Gelatine filters (size 4" x 4") (100 x 100 mm)

I Standard Outfit:		29.95
	1 Gelatine filter holder II (No. 2342)	
	1 Magnet Ring II (No. 2289/3a)	
	1 Spacing Ring	
II Additional Spacing Rings No. IIa to IId:		5.95
III Lens Hood No. 56 (for side light):	to be used for lenses as specified below	7.95

These Gelatine Filter Holders II can be used with the following lenses:

Combination:	Lens Type:	Filter Threads:	
Without Spacing Ring:	Xenotar	2.8/150	77 x 0.75 mm
	Super-Angulon	8.0/121	77 x 0.75 mm
With Spacing Ring IIa: (No. 2289/6)	Xenotar	2.8/105	49 x 0.75 mm
	Xenar	4.5/180	49 x 0.75 mm
	Symmar	5.6/150	49 x 0.75 mm
	Tele-Arton	5.5/240	49 x 0.75 mm
	Super-Angulon	8.0/65*	49 x 0.75 mm
	Angulon	6.8/120	49 x 0.75 mm
With Spacing Ring IIb: (No. 2289/5)	Xenotar	3.5/135	58 x 0.75 mm
	Xenar	4.5/210	58 x 0.75 mm
	Symmar	5.6/180	58 x 0.75 mm
	Symmar	5.6/210	58 x 0.75 mm
	Tele-Arton	5.5/270	58 x 0.75 mm
	Angulon	6.8/165	58 x 0.75 mm
With Spacing Ring No. IIc: (No. 2289/4)	Xenar	4.5/240	67 x 0.75 mm
	Symmar	5.6/240	67 x 0.75 mm
	Tele-Xenar	5.5/360	67 x 0.75 mm
	Super-Angulon	8.0/90*	67 x 0.75 mm
	Angulon	6.8/210	67 x 0.75 mm
With Spacing Ring II d:	This ring will be supplied with a little bore hole only, thus facilitating the use of this magnetic filter holder with other lenses than specified in this list by cutting in the relative threads of the lens.		

*Lens hood No. 56 cannot be used with these lenses.

Cable Releases, for Rollei, Compur, Compound shutters

Standard type:		With locking set screw or ring for time exposures:
6"	\$.35	\$.50
10"	.45	.60
12"	.50	.65
20"	.75	.95
40"	1.60	1.95 (ring lock only)