

Graflex Lenses

Next to skill, equipment is the most important ingredient in producing outstanding pictures. Lenses are no exception. Having a good variety, precisely designed to do their specific jobs best, gives you the freedom and flexibility to achieve the candid accuracy and highly creative effects demanded by discriminating clients.

Described here are some of the world's finest lenses to meet your exacting photographic needs—from the world's foremost producers of precision optics.



Normal Lenses

101mm Graflex Graflar f/4.5 Lens for 2¼" x 3¼" cameras—in No. 0 Prontor SVS Shutter. Budget-priced, general-purpose, three-element formulation. Good coverage for interiors, groups, close-ups, and restricted working distances with moderate swings and tilts.

150mm Rodenstock Ysarex f/4.5 Lens for 2¼" x 3¼" and 4" x 5" cameras—in No. 1 Compur MX Shutter. All-purpose, medium-speed, standard four-element design for medium and large formats. Superb for both color and black and white. Ideal for commercial work. Fine edge definition at full aperture.



Graflex Optar Lenses for 4" x 5" cameras—in Full-Sync Graphex Shutters. Excellent light transmission, high contrast, minimal flare. Crisp, brilliant full negative images. Ideal for news, sports, commercial, industrial and pictorial work. The 127 and 135mm lenses are ideal for maximum depth of field and angle of view.

- 127mm f/4.5 lens—in No. 2 Graphex Shutter
- 135mm f/4.7 lens—in No. 2 Graphex Shutter



NORMAL LENSES

			: 1		Graphic® Normal Lenses Data Chart	mal Lense	s Data Cha	art						
					Filtor Mount Diameter	101		Annla of View	View			Catalog	Catalog Order Numbers	S.
Focal	Name of Lens	Lens	Shutter	Svnc		200	Number	in alfille		Flash	Lens and	Len	Lens Fitting Kits	
Length		Speed	Speed		Slip On	Screw In	ш	2% x 2%	4 x 5		Shutter Only	Century Graphic	Century Pacemaker Super Graphic 45 Graphics	Super Graphics
101mm	101mm Graflex Graflar	f/4.5	f/4.5 1-1/300	MX	1X 43mm, Series 6 40.5mm	40.5mm	3	48°	ł	- 2721 or 2821 530		9780		
150mm	150mm Rodenstock Ysarex	f/4.5	1/4.5 1-1/400	MX	1X 42mm, Series 6 40.5mm	40.5mm	4	33°	.9g	56° 2721 or 2821	362	9742	9743	9746
127mm	127mm Graflex Optar	1/4.5	f/4.5 1-1/400 M	MFX	IFX 38mm, Series 6	ı	4	39°	65°	65° 2701 or 2810 241	241	9760	9763	9766
135mm	135mm Graflex Optar	1/4.7	1/4.7 1-1/400	MFX	MFX 38mm, Series 6	I	4	36°	63°	63° 2701 or 2810 244	244	9801	9812	9822

*With RH/10, 20, or 50 Roll Film Holder on 4 x 5 Camera.

					Graphic Telephoto Lens Data Chart	photo Len	s Data Cha	irt						
								Angle of View	View			Catalog	Catalog Order Numbers	ers
Focal		Lens		č	Filter Mount Diameter	meter	Number	o o i fili	A	Flash	Lens and		Lens Fitting Kits	its
Length	Name of Lens	Speed	Speed	3 JII C	Slip On	Screw In	Elements 2% 4 x 5	2½ x 2¾	4 x 5	Cord	Shutter Only	Century Graphic	Shutter Century Pacemaker Super Only Graphic 45 Graphics	Super Graphics
270mm	270mm Rodenstock Rotelar	f/5.6	f/5.6 1-1/400	MX	MX 70mm, Series 9 67mm	67mm	5	19°** 32°	32°	2808	580	1	9745	9748
270mm	270mm Graflex Tele-Optar	1/6.5	1/6.5 1-1/1000		MX 70mm, Series 9 67mm	67mm	5	19°** 32°	32°	I	581	1	ı	9794

**With RH/10, 20, or 50 Roll Film Holder on 4 x 5 Camera.

[†]Designed to cover 5×7 . Ideal for 4×5 View Camera.



Telephoto Lenses

Capture larger images of distant and unapproachable objects in sharpest detail—minimize perspective. Designed for distant candid shots, sports, theater, nature, wildlife, news, aerial photography. Exceptionally useful in commercial and portrait work.

270mm Rodenstock Rotelar f/5.6 Lens for 4" x 5" cameras—in No. 1 Graphic Synchro-Compur Shutter. Medium-range, five-element lens with only twice the weight of normal 135mm lenses. Requires only 2" more bellows extension when focused at infinity. 2 x the magnification of 135mm lenses. Shutter can be solenoid synchronized for remote release. Top shutter speed, 1/400 sec.

Wide Angle Lenses

There's no substitute for a wide angle lens. Unless all of your subject is included on the negative, you can't sell your picture. Use wide angle lenses to cover broad subject areas when camerato-subject working distance is limited. Also use for unusual effects when exaggerated perspective is required.

Schneider Super Angulon

For critical wide-angle assignments or when extreme camera movements are required. Maximum coverage and sharpness, allowing 100° angular coverage on proper film size, even at f/8. Top detail and brilliance from edge to edge of full negative. Exceptional evenness of illumination and flatness of field.

- 47mm f/8 for 2¼" x 3¼" cameras in No. 00 Full-Sync Compur M-X Sync Shutter
- 65mm f/8 for 2¼" x 3¼" and 4" x 5" cameras—in No. 00 Full-Sync Compur M-X Sync Shutter.
- 90mm f/8 for 4" x 5" cameras—in No.
 0 Compur M-X Sync Shutter.
- 90mm f/6.8 for 4" x 5" cameras in No. 0 Copal M-X Sync Shutter.

					Graphic [®] Wide Angle Lens Data Chart	e Angle Lei	ıs Data Cl	hart		:				
					Filter Mount Diameter	ameter	1 1	Angle of View	View			Catalo	Catalog Order Numbers	bers
Focal Lenoth	Name of Lens	Sneed	Shutter	Sync			Lens			Flash Connecting	Lens and		Lens Fitting Kits	(its
		200			Slip On	Screw In	Elements	2% x 2% 4 x 5	4 x 5	Cord	Shutter Only	Century Graphic	Century Pacemaker Super Graphic 45 Graphic	Super Graphics
47mm	47mm : Schneider Super Angulon : f/8 1-1/500	f/8	1-1/500		MX 42mm, Series 6 40.5mm	40.5mm	9	87°	1	2721 or 2821	407	9721	!	i
65mm	65mm Schneider Super Angulon f/8 1-1/500	£/8	1-1/500		1X 51mm, Series 7	49mm	9	.69°	103°	103° 2721 or 2821	403	0086	9724	9729
90mm	90mm Schneider Super Angulon f/8 1-1/500	1/8	1-1/500	2	1X 70mm, Series 9 67mm	67mm	9	53°	84°	84° 2721 or 2821	409	1	9810	9820
90mm	90mm Schneider Angulon	f/6.8	f/6.8 1-1/500	MX	1X 42mm, Series 6 40.5mm	40.5mm	9	53°	84°	84° 2721 or 2821	412	ı	9815	9825

						xl Camera Lens Data Chart	ata Ch	lart						
				Chutter		Eilear Manne		Focusing Range	Range			Angle of View		
Catalog No.	Focal	Name of Lens	Diaphragm Range		Sync	Diameter (Screw-in)	Self Timer	Scale	Range- finder	2½ x 2½ (RH/12)	2% x 2% (RH/10, 20, 50)	2% x 3'/,s (RH/8, Sheet Filmpack)**	3% x 4%* (Polaroid)	Number Lens Elements
7330	47mm	47mm Schneider Super Angulon f/8-f/32	f/8-f/32	1-1/500	M-X	1-1/500 M-X 40.5mm Series 8	×	∞-1′	* *	79°	87°	91°	104°	9
7331	58mm	58mm Rodenstock Grandagon	1/5.6-1/32	1-1/500	M-X	67mm Series 8	×	∞ -11⁄2′	∞ -3′	.89	75°	°08	92°	8
7332	80mm	80mm Zeiss Planar	1/2.8-1/22	1-1/400	M-X	1-1/400 M-X 49mm Series 8	×	× -21/2	∞ -3 ′	52°	.85°	62°	74°	2
7339	80mm	80mm Rodenstock Heligon	f/2.8-f/32	1-1/500	M-X	-1/500 M-X 40.5mm Series 8	×	×-21/2'	× -3′	52°	.89	62°	74°	9
7334	100mm	100mm Zeiss Planar	1/2.8-1/22	1-1/400	M-X	-1/400 M-X 58mm Series 8	×	≈ -3 ½′	∞ -3′	43°	48°	52°	61°	5
7335	100mm	100mm Zeiss Tessar	f/3.5-f/32	1-1/500	X-M	1-1/500 M-X 40.5mm Series 8	×	∞ -3 ½′	∞ -3′	43°	48°	52°	61°	4
7336	150mm	150mm Rodenstock Ysarex	f/4.5-f/32	1-1/400	M-X	-1/400 M-X 49mm Series 8	×	∞ -7'	∞-7′	30°	33°	36°	44°	4
7340	180mm	180mm Rodenstock Rotelar	f/4.5-f/45	1-1/500	M-X	M-X 49mm Series 8	×	≈ -1 0 ′	∞ -10'	24°	28°	30°	36°	5
7341	270mm	270mm Rodenstock Rotelar	f/6.6-f/45	1-1/500	M-X	I-1/500 M-X 58mm Series 8	×	∞ -20′	* *	17°	19°	20°	25°	5

*xl lenses are designed for optimum coverage of the 2½ x 2¾ (ideal) format. Some darkening of the corners may be noted when used with the larger (Polaroid/) format.

**Because of the masking effect of the septum rails in sheet film holders, and the size of the opening in film pack, the angle of view included on these films are very close to those on the RH/8 roll film holders (sheet film—2¹/₁₆ x 3¹/₁₆, RH/8—2½ x 3¹/₁₆, film pack—2½ x 3½).

***Scale Focusing only—does not couple to rangefinder.

xl Camera Lenses

Selection of world's highest-precision, large-aperture lenses for normal, wide-angle and telephoto use. Choice of focal lengths and capabilities to meet a wide variety of assignments. Superior resolution, contrast, color correction, and flatness of field. Lens optics* factory-matched to optical characteristics of the x1 Camera rangefinder—forming a rigid, exactly integrated camera-lens system. Designed for 21/4" x 23/4" format, but may have additional covering power for larger roll film and Polaroid** formats. *Except 47mm **Reg. T.M. Polaroid Corp.

47mm Schneider Super Angulon f/8 lens—in MXV-00 Synchro-Compur Famous for extreme wide-angle shots. Maximum angular coverage, short focal length, 87° angle of view. Sharp image clarity. Minimizes field curvature, astigmatism. Basic use is with xlsw Super Wide Angle Camera, and also useable with xls and xlrf for Photo Macro pho-

tography.

58mm Rodenstock Grandagon f/5.6 lens—in MXV-00 Synchro-Compur Shutter. For more extreme wide-angle shots for use with rangefinder. For 75° angle coverage. Versatile, with excellent sharpness, resolution, contrast. Color-corrected, free from geometric aberrations. Works under difficult conditions for both color and black and white. Flat field of view, even at full aperture. Excellent reserve covering power.

80mm Zeiss Planar f/2.8 lens in MX-1 Synchro-Compur Shutter. Shorter than normal focal length—with distortion-free, moderately wide-field coverage. Excellent light gathering characteristics. High resolving power, good sharpness and contrast. "Ideal format" angle of view of 58°. For weddings, scientific, technical, macrophotographic, and general use.

80mm Rodenstock Heligon f/2.8 lens—in MXV-0 Synchro-Compur Shutter. 58° angle of view. Moderate price "short normal" lens for weddings, technical or general use. Performance usually found only in more costly optics. Wide-field coverage, crisp detail, excellent resolution and contrast. Angular coverage equivalent to 135mm on 4 x 5.



WIDE-ANGLE

100mm Zeiss Planar f/2.8 lens—in MX-1 Synchro-Compur Shutter. "Normal" perspective with 48° angle of view. 5-element lens for critical applications. Basic for low-level available light and general photography. Excellent correction for spherical aberration at large aperture. Outstanding image field flatness, high resolving power, good sharpness and contrast.

100mm Zeiss Tessar f/3.5 lens—in MXV-0 Synchro-Compur Shutter. 48° angle of view. Economical, versatile "normal" focal length lens for general use. Highly color corrected for exceptional definition, brilliance, and even illumination over entire image field. Consistently clear, sharp negatives.

150mm Rodenstock Ysarex f/4.5 lens—in MXV-1 Synchro-Compur Shutter. For 33° angle of view. High-quality 4-element lens at moderate price. Ideal for head-and-shoulders portraits. Allows filling entire negative at best distance for good perspective—and rangefinder focusing at about 7 ft.

180mm Rodenstock Rotelar f/4.5 lens—in MXV-0 Synchro-Compur Shutter.
28° "ideal format" angle of view. Lightweight, easy to handle, delicately balanced, high-speed lens with excellent resolution, brilliance and contrast. Medium-long focal length—ideal where subject-to-camera distance is too great for normal lenses. Diaphragm clickstopped at ½-stop intervals from f/4.5 to f/45. Rangefinder focusing to 10 ft.

270mm Rodenstock Rotelar f/6.6 lens—in MXV-1 Synchro-Compur Shutter. A high-speed telephoto lens for long-distance photography of subject matter which can be prefocused. A lightweight, delicately balanced lens blending brilliance, high resolution and excellent contrast. Provides a magnification of 3.5x that of a normal 80mm lens. Highly recommended for aerial and sports photography. The Rotelar lens is intended for ground glass focusing from 20 ft. to infinity, and includes a 19° angle of view on the "ideal format."









