

Camera Lenses

Effective: June 1, 1987

Cat. No.	Description	Sugg. Retail	Dealer Net 1 +
SIRONAR-N NORMAL LENSES IN SHUTTER			
160-400	100mm f5.6 Sironar-N/Copal 0	497.00	298.00
160-401	135mm f5.6 Sironar-N/Copal 0	583.00	350.00
160-409	120mm f5.6 Sironar-N/Copal 1	650.00	390.00
160-402	150mm f5.6 Sironar-N/Copal 0	593.00	356.00
160-403	180mm f5.6 Sironar-N/Copal 1	742.00	445.00
160-404	210mm f5.6 Sironar-N/Copal 1	758.00	445.00
160-405	240mm f5.6 Sironar-N/Copal 3	1488.00	893.00
160-406	300mm f5.6 Sironar-N/Copal 3	1998.00	1199.00
160-407	360mm f6.8 Sironar-N/Copal 3	2248.00	1349.00
160-408	480mm f8.4 Sironar-N/Copal 3	3165.00	1899.00
MACRO-SIRONAR-N LENSES IN SHUTTER			
Macro-Sironar-N lenses are optimized for reproduction ratios of 1/3x to 3x. Highly recommended for small product/table-top photography.			
160-415	210mm f5.6 Macro-Sironar-N/Copal 3	1725.00	1035.00
160-416	300mm f5.6 Macro-Sironar-N/Copal 3	3467.00	2080.00
GRANDAGON-N WIDE ANGLE LENSES IN SHUTTER			
160-499	65mm f4.5 Grandagon-N/Copal 0	1325.00	795.00
160-501	75mm f6.8 Grandagon-N/Copal 0	950.00	570.00
160-502	75mm f4.5 Grandagon-N/Copal 0	1558.00	935.00
160-503	90mm f6.8 Grandagon-N/Copal 0	1017.00	610.00
160-504	90mm f4.5 Grandagon-N/Copal 1	1758.00	1055.00
160-505	115mm f6.8 Grandagon-N/Copal 1	1617.00	970.00
160-506	155mm f6.8 Grandagon-N/Copal 1	3625.00	2175.00
160-507	200mm f6.8 Grandagon-N/Copal 3	4833.00	2900.00
CENTERFILTERS FOR GRANDAGON LENSES			
Graduated Centerfilters help eliminate the natural fall-off of illumination at the corners of the image. Recommended for situations where the full image field is to be utilized. Requires additional exposure.			
160-520	Centerfilter for 75mm f6.8 Grandagon and 65mm f4.5 Grandagon-N (58mm Thread)	425.00	255.00
160-521	Centerfilter for 65mm f4.5 75mm f4.5, and 90mm f6.8 Grandagons-N (67mm Thread)	620.00	372.00
160-522	Centerfilter for 90mm f4.5, and 115mm f6.8 Grandagons-N (82mm Thread)	692.00	415.00
160-523	Centerfilter for 155mm f6.8 Grandagon-N (105mm Thread)	1233.00	740.00
160-524	Centerfilter for 200mm f6.8 Grandagon-N (135mm Thread)	1508.00	905.00

NOTE: All camera lenses and Omega View/Toyo Cameras may be assorted for maximum discount.

(Continued)

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GERONAR LENSES IN SHUTTER			
160-202	90mm f8 Geronar WA/Copal 1	667.00	400.00
160-203	150mm f6.3 Geronar/Copal 0	358.00	215.00
160-204	210mm f6.8 Geronar/Copal 1	475.00	285.00
160-205	300mm f9 Geronar/Copal 1	650.00	390.00
APO-RONAR f9 APOCHROMATIC LENSES IN SHUTTER			
160-450	150mm f9 Apo-Ronar/Copal 0	717.00	430.00
160-451	240mm f9 Apo-Ronar/Copal 1	937.00	562.00
160-452	300mm f9 Apo-Ronar/Copal 1	1103.00	662.00
160-453	360mm f9 Apo-Ronar/Copal 3	1433.00	860.00
160-420	420mm f9 Apo-Ronar/Copal 3	1767.00	1060.00
160-454	480mm f9 Apo-Ronar/Copal 3	1790.00	1074.00
IMAGON SOFT FOCUS LENSES IN SHUTTER (with variable diffusion disks, 4x neutral density filter and lens shade)			
160-480	200mm f5.8 Imagon/Copal 3	1387.00	832.00
160-481	250mm f5.8 Imagon/Copal 3	1500.00	900.00
160-482	300mm f6.8 Imagon/Copal 3	1530.00	918.00
IMAGON SOFT FOCUS LENSES IN BARREL (with variable diffusion disks, 4x neutral density filter and lens shade)			
160-483	200mm f5.8 Imagon	847.00	508.00
160-484	250mm f5.8 Imagon	882.00	529.00
160-485	300mm f6.8 Imagon	1080.00	648.00
MEDIUM FORMAT ACCESSORIES FOR RODENSTOCK 200mm f5.8 IMAGON IN BARREL OR COPAL 3 SHUTTER			
160-486	Helical Focusing Mount	480.00	288.00
160-487	Mamiya 645 Adapter	158.00	95.00
160-488	Hasselblad 2000 FC Adapter	158.00	95.00
160-489	Bronica ECTL Adapter	158.00	95.00
160-490	Pentax 6x7 Adapter	173.00	104.00
160-491	Mamiya RB67 Adapter Kit (modifies 180mm Mamiya Lens to adapt to Imagon)	375.00	225.00
MEDIUM FORMAT ACCESSORIES FOR RODENSTOCK 200mm f5.8 IMAGON IN COPAL 3 SHUTTER			
160-492	Hasselblad 500 Series Adapter (requires use of Hasselblad standard bellows and double cable release)	158.00	95.00

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Enlarging Lenses (supplied with lock ring or mounting flange)

Cat. No.	Description	Flange Thread Size	Sugg. Retail	Dealer Net 1 +
ROGONAR (with illuminated f/stop scale)				
452-220	50mm f2.8 Rogonar	Leica Thread (39mm)	65.00	39.00
ROGONAR-S (with illuminated f/stop scale and disengageable click stops)				
452-201	25mm f4 Rogonar-S ^{1,2}	(32.5mm) with 39mm adapter	173.00	104.00
452-202	35mm f4 Rogonar-S ^{1,2}	(32.5mm) with 39mm adapter	173.00	104.00
452-203	50mm f2.8 Rogonar-S	Leica Thread (39mm)	132.00	79.00
452-204	60mm f4.5 Rogonar-S	Leica Thread (39mm)	135.00	81.00
452-205	75mm f4.5 Rogonar-S	Leica Thread (39mm)	148.00	89.00
452-206	90mm f4.5 Rogonar-S	Leica Thread (39mm)	183.00	110.00
452-207	105mm f4.5 Rogonar-S	Leica Thread (39mm)	195.00	117.00
452-208	135mm f4.5 Rogonar-S ²	(50mmx0.75)	270.00	162.00
452-209	150mm f4.5 Rogonar-S ²	(50mmx0.75)	280.00	168.00
452-210	210mm f4.5 Rogonar-S	(72mmx1.0)	467.00	280.00
RODAGON (with illuminated f/stop scale and disengageable click stops)				
452-314	28mm f4 Rodagon ^{1,2}	(32.5mm) with 39mm adapter	388.00	233.00
452-315	35mm f4 Rodagon ^{1,2}	(32.5mm) with 39mm adapter	313.00	188.00
452-316	50mm f2.8 Rodagon	Leica Thread (39mm)	210.00	126.00
452-324	50mm f4 Rodagon	Leica Thread (39mm)	198.00	119.00
452-318	60mm f4 Rodagon	Leica Thread (39mm)	275.00	165.00
452-317	80mm f4 Rodagon	Leica Thread (39mm)	258.00	155.00
452-306	80mm f5.6 Rodagon	Leica Thread (39mm)	260.00	156.00
452-301	105mm f5.6 Rodagon	Leica Thread (39mm)	392.00	235.00
452-303	135mm f5.6 Rodagon	Leica Thread (39mm)	392.00	235.00
452-305	150mm f5.6 Rodagon ²	(50mmx0.75)	548.00	329.00
452-307	180mm f5.6 Rodagon ²	(50mmx0.75)	670.00	402.00
452-309	210mm f5.6 Rodagon ²	(58mmx0.75)	792.00	475.00
452-310	240mm f5.6 Rodagon ²	(72mmx1.0)	1185.00	711.00
452-311	300mm f5.6 Rodagon ²	(72mmx1.0)	1817.00	1090.00
452-312	360mm f6.8 Rodagon ²	(90mmx1.0)	2187.00	1312.00

1. Without illuminated f/stop scale. 2. Without disengageable click stops.

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APO-RODAGON (with illuminated f/stop scale and disengageable click stops)					
452-340	50mm f2.8 Apo-Rodagon	Leica Thread (39mm)	378.00	227.00	N
452-341	80mm f4.0 Apo-Rodagon	Leica Thread (39mm)	648.00	389.00	
452-342	90mm f4 Apo-Rodagon	Leica Thread (39mm)	632.00	379.00	
452-344	180mm f4.8 Apo-Rodagon	(58mmx0.75)	1860.00	1116.00	
RODAGON WA* (with illuminated f/stop scale and disengageable click stops)					
452-330	40mm f4 Rodagon WA	Leica Thread (39mm)	313.00	188.00	
452-331	60mm f4 Rodagon WA	Leica Thread (39mm)	427.00	256.00	
452-332	80mm f4 Rodagon WA	Leica Thread (39mm)	513.00	308.00	
452-333	120mm f5.6 Rodagon WA	(50mmx0.75)	880.00	528.00	
RODAGON-G					
452-603	50mm f2.8 Rodagon-G	(50mmx0.1)	725.00	435.00	
452-605	105mm f5.6 Rodagon-G	(50mmx0.75)	758.00	455.00	
452-606	150mm f5.6 Rodagon-G	(50mmx0.75)	1042.00	625.00	
452-607	210mm f5.6 Rodagon-G	(72mmx1.0)	1508.00	905.00	
452-608	240mm f5.6 Rodagon-G	(72mmx1.0)	2250.00	1350.00	
452-609	300mm f5.6 Rodagon-G	(90mmx1.0)	2967.00	1780.00	
452-610	360mm f6.8 Rodagon-G	(90mmx1.0)	3550.00	2130.00	
452-611	480mm f8.4 Rodagon-G	(110mmx1.0)	4167.00	2500.00	
LOCK RING					
421-010	Leica Thread Lock Ring	Leica Thread (39mm)	12.00	8.00	

1. With illuminated f/stop scale.
*Formerly Eurygon Wide Angle

2. Without disengageable click stops.

GUIDE TO FOCAL LENGTH SELECTION

Negative Size	Focal Length (mm)
Sub Miniature, 110, Minox	25-35
35mm (24x36mm)	40-60
2 1/4 x 2 1/4 (6x6cm)	60-80
2 1/4 x 2 3/4 (6x7cm)	80-105
2 1/4 x 3 1/4 (6x9cm)	105
4x5 (9x12cm)	135-150
5x7 (13x18cm)	180-240
8x10 (18x24cm)	300-360

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