



Rodenstock Optical Works, founded in 1877, is one of the largest and most respected lens manufacturers in the world. Today, 5,800 Rodenstock men and women carry on the tradition of highest manufacturing standards and conscientious quality controls which have been Rodenstock hallmarks for a century.

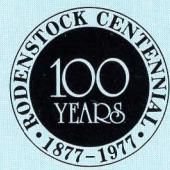
Persistent research and development by staff scientists, aided by the newest generation of computers and the most advanced optical glass technology, have enabled Rodenstock to produce innovative lens designs considered unattainable only a few years ago.

To assure consistent quality of the highest degree, Rodenstock makes its own optical glass blanks — a decisive production step that adds importantly to reliable lens performance.

Painstaking quality control throughout the lens making process is continued to a comprehensive final test before shipment of each finished Rodenstock lens.

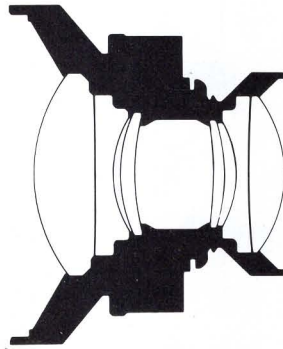
Thus it is not surprising that over nine million Rodenstock lenses have been acclaimed by critical users throughout the world.

View Camera Lenses



Rodenstock

SIRONAR



In the highly sophisticated six-element design of the Sironar, Rodenstock scientists have realized the ideal view camera lens for the Age of Color Photography!

Utilizing new homogeneous optical glasses, the Sironar provides a unique combination of performance features. Its corner-to-corner resolution, superb contrast and freedom from distortion are unexcelled. Above all, the Sironar offers a degree of color fidelity normally found only in apochromatic lenses!

With 65° coverage wide open — 70° when stopped down — Sironars allow the creative photographer complete freedom in applying camera movements (swings and tilts) to control perspective, increased depth of field or intentional distortion. Resolution, color fidelity and contrast remain unchanged over the entire image area.

The critically corrected, nearly symmetrical design also permits the front components of Sironars to be used alone for portraits or, stopped down, as “telephoto” lenses with triple the normal focal length (double with the 210mm Sironar). This convenient convertibility further adds to the usefulness of Sironars.

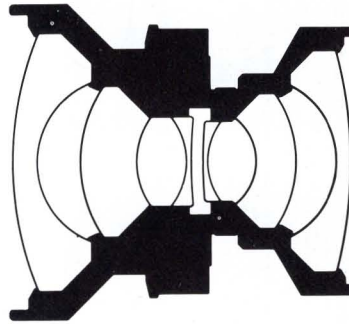
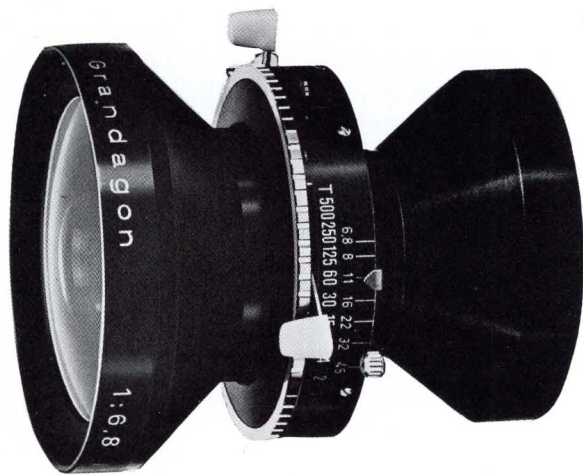
Clearly, their exceptional performance makes Sironars the logical lenses for the most demanding professional. In fact, Sironars are replacing other lenses wherever photographers strive for utmost perfection in every assignment.

Focal length	mm	100	135	150	180	210	240	300	360						
Negative size	inch	2¼x3¼	4x5	4x5	4x5	5x7	8x10	10x12	10x12						
Maximum aperture	f/	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.8						
Minimum aperture	f/	45	45	64	64	64	64	64	64						
Angle of view —	wide open	65°	65°	65°	65°	65°	65°	65°	60°						
	at f/11	67°	67°	67°	67°	67°	67°	67°	62°						
	at f/16	70°	70°	70°	70°	70°	70°	70°	64°						
Image diam. mm —	wide open	127	162	179	217	246	288	373	400						
	at f/11	137	175	193	234	266	298	384	415						
	f/16	147	188	208	252	286	337	407	435						
Permissible lens movements. (See NOTE) v = vertical (up or down) h = horizontal (left or right)															
	mm	v	h	v	h	v	h	v	h	v	h	v	h	v	h
2¼x3¼"	wide open	24	19	45	38	54	47								
	at f/11	30	24	52	45	62	54								
	at f/16	36	30	59	51	70	62								
4x5"	wide open			8	6	20	16	43	38	61	54	85	76		
	at f/11			17	14	29	25	54	48	72	65	90	82		
	at f/16			26	22	39	33	64	57	83	75	111	102		
5x7"	wide open							9	7	30	23	57	47	107	93
	at f/11							22	17	43	35	63	52	113	98
	at f/16							34	27	56	46	86	74	124	109
8x10"	wide open											—	—	43	36
	at f/11											—	—	50	43
	at f/16											18	15	65	56

NOTE: The permissible movements (lens displacements) apply with the camera focused at infinity, and the camera back in horizontal position. With the camera back in vertical position, the limits are reversed.

Example: 210mm Sironar at f/16; 4x5 format. With the horizontal back the lens may be displaced 83mm vertically, 75mm horizontally; with the vertical back the lens may be displaced 75mm vertically, 83mm horizontally. Measurements rounded off to the nearest millimeter (1/25th inch).

GRANDAGON



Grandagon extreme wide angle lenses are distinguished by their excellent color correction and even illumination over the entire image area — important advantages particularly when extreme camera movements are used — with flatness of field, freedom from

distortion and superior contrast rendition. The maximum f/4.5 aperture of the 8-element Grandagons permits easy composition and focusing even in dim interiors; stopped down to f/16 these lenses cover an angular field of 105°. The moderately priced 6-element f/6.8 Grandagons, stopped down to f/11 cover: 75mm = 100°; 90mm = 102°; 115mm = 104°. In recognition of their quality and performance, Grandagons were awarded the 1976 "Seal of Quality and Highest Standards" by Europhot, the prestigious European Professional Photographers Association.

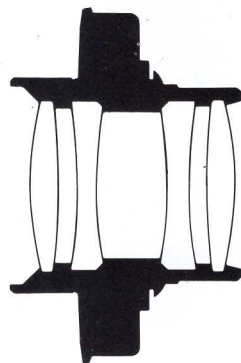
Grandagons are the logical lenses for top quality interior, architectural and industrial photography in confined areas, for short shooting distances and whenever maximum possible use of camera movements is necessary.

Focal length	mm	65	75	75	90	90	115
Negative size	inch	2¼ x 3¼ } 4x5	4x5	4x5	5x7	5x7	5x7
Maximum aperture	f/	4.5	6.8	4.5	6.8	4.5	6.8
Minimum aperture	f/	45	45	45	45	45	45
Angle of view —	wide open	100°	98°	100°	98°	100°	98°
	at f/16	105°	100°	105°	102°	105°	104°
Image diam. mm	at f/16	170	180	200	220	240	290
Permissible lens movements — at f/16 (See NOTE)							
v = vertical (up or down) h = horizontal (left or right)							
	mm	v	h	v	h	v	h
2¼ x 3¼"		49	42	55	47	66	58
4 x 5"		14	11	21	17	33	29
5 x 7"						11	8
						26	20
						57	51
						85	77
						58	48

NOTE: The permissible movements (lens displacements) apply with the camera focused at infinity, and the camera back in horizontal position. With the camera back in vertical position, the limits are reversed.

Example: 90mm f/4.5 Grandagon at f/16; 4x5" format. With the horizontal back the lens may be displaced 57mm vertically, 51mm horizontally; with the vertical back the lens may be displaced 51mm vertically, 57mm horizontally. Measurements rounded off to the nearest millimeter (1/25th inch).

APO-RONAR



Fully symmetrical, Apo-Ronars provide the painstaking photographer with all the superb qualities of an apochromatic lens designed for process work in the graphic arts:

Ultimate color fidelity and contrast, resolution and freedom from distortion are unexcelled. These qualities are fully maintained even when camera movements are employed.

Apart from their superb performance in copy work of black and white or color originals, Apo-Ronars are excellently suited for needle sharp close-ups of still subjects in commercial, industrial, scientific, criminological and medical photography.

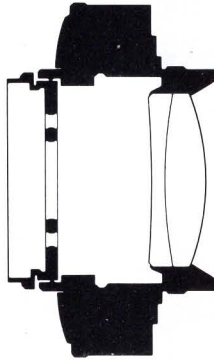
Unquestionably, an Apo-Ronar is an essential lens for the professional, industrial or scientific photographer for highest quality copy work and close-ups demanding true color reproduction and utmost sharpness.

Focal length	mm	150	240	300	360	480					
Negative size	inch	3¼ x 4¼	4x5	5x7	8x10	10x12					
Maximum aperture	f/	9	9	9	9	9					
Minimum aperture	f/	64	90	90	90	90					
Image diam. at f/22	mm	135	212	264	318	396					
Permissible lens movements (See NOTE)											
v = vertical (up or down) h = horizontal (left or right)											
	mm	v	h	v	h	v	h	v	h	v	h
2¼ x 3¼"	at f/11	26	21	68	60	96	86				
	at f/22	29	23	72	64	100	91				
4 x 5"	at f/11			36	31	66	59	95	87	135	125
	at f/22			41	35	71	64	100	92	142	133
5 x 7"	at f/11					37	29	69	58	111	97
	at f/22			5	3	42	34	75	63	119	105
8 x 10"	at f/11									49	42
	at f/22							4	3	58	50

NOTE: The permissible movements (lens displacements) apply with the camera focused at infinity, and the camera back in horizontal position. With the camera back in vertical position, the limits are reversed.

Example: 300mm Apo-Ronar at f/22; 4x5" format. With the horizontal back the lens may be displaced 71mm vertically, 64mm horizontally; with the vertical back the lens may be displaced 64mm vertically, 71mm horizontally. Measurements rounded off to the nearest millimeter (1/25th inch).

IMAGON



The Imagon is an exclusive Rodenstock lens design of extraordinary capabilities enabling the creative photographer to obtain very unusual effects: The Imagon produces a basic, sharp image which

can be superimposed with a secondary image of any desired degree of softness. The secondary image is controlled by means of interchangeable front discs with series of infinitely adjustable openings. With the smallest opening the secondary image can be minimized to produce sharpness approaching that of an anastigmat lens.

With its high color fidelity the Imagon is the ideal lens for the photographer who wants to introduce a distinctive, subtle quality in photographs of cosmetics, fashions, "glamour" subjects, etc. In portrait photography, added softness may save costly retouching of wrinkles and other blemishes. Yet, unlike the overall softness produced by so-called portrait lenses, the Imagon allows the photographer perfect control of the outcome.

Focal length	mm	200	250	300
Negative size	inch	2¼ x 3¼ / 4x5	4 x 5	5 x 7
Maximum aperture	H*	5.8	5.8	6.8
Minimum aperture	H*	11.5	11.5	11.5
Image diam. mm	at H 11.5	150	180	220

*The symbol H indicates: same exposure as a normal lens set at f/5.8, f/6.8, f/11.5.

NOTE: Since the desired degree of softness may be lost if the lens is "stopped down" considerably, and, as fast emulsions may require shorter exposure times than can be obtained with the shutter, each lens is supplied with a 4x neutral density filter to permit exposure adjustment.

Each Imagon is supplied with adjustable perforated discs (three with 200mm and 250mm lens, two with 300mm lens), 4x neutral density filter and lens shade.

MECHANICAL SPECIFICATIONS

Focal length	Front slip-on diameter	Front screw-in thread	Rear diameter	Flange focal distance at infinity	Overall length	Copal shutter	Largest shutter diameter	Distance from shutter seating to rear of lens	Shutter screw thread	Outside diameter of mounting ring	Required lensboard opening diameter
SIRONAR LENSES											
100	51	M49 x 0.75	31.5	101	41	0	58.8	14	M32.5 x 0.5	40	34.8
135	60	M58 x 0.75	37	129	41	0	58.8	17	M32.5 x 0.5	40	34.8
150	70	M67 x 0.75	42	143	55.5	0	58.8	19	M32.5 x 0.5	40	34.8
180	70	M67 x 0.75	48	175.5	66	1	71	24	M39 x 0.75	47	41.8
210	60	M58 x 0.75	54	209.8	64.5	1	71	25	M39 x 0.75	46.6	41.8
240	90	M86 x 1	70	225	82	3	102	30	M62 x 0.75	68	65
300	110	M105 x 1	75	278	98	3	102	34	M62 x 0.75	68	65
360	110	M105 x 1	80	333	116.5	3	102	41	M62 x 0.75	68	65
GRANDAGON LENSES											
65/4.5	70	M67 x 0.75	54	72	68	0	58	44	M32.5 x 0.5	39.1	34.8
75/6.8	60	M58 x 0.75	54	78	65	0	58	37	M32.5 x 0.5	39.1	34.8
75/4.5	70	M67 x 0.75	60	83	78	0	58.5	46	M32.5 x 0.5	39.1	34.8
90/6.8	70	M67 x 0.75	60	94	79	0	58	45	M32.5 x 0.5	39.1	34.8
90/4.5	85	M82 x 0.75	70	101	93	1	71	54	M39 x 0.75	47	41.8
115/6.8	85	M82 x 0.75	70	122	93	1	71	53	M39 x 0.75	47	41.8
APO-RONAR LENSES											
150	42	M40.5 x 0.5	31.5	148.5	35.5	0	58.8	9.5	M32.5 x 0.5	40	34.8
240	51	M49 x 0.75	37.5	236	41.5	1	71	14	M39 x 0.75	47	41.8
300	51	M49 x 0.75	37.5	296	48	1	71	18.5	M39 x 0.75	47	41.8
360	60	M58 x 0.75	60	350	64	3	102	18	M62 x 0.75	68	65
480	70	M67 x 0.75	60	463	69	3	102	27	M62 x 0.75	68	65
IMAGON LENSES											
200	55	—	60	216	78	3	102	—	M62 x 0.75	68	65
250	55	—	60	276	84.5	3	102	—	M62 x 0.75	68	65
300	55	—	60	332	91	3	102	—	M92 x 0.75	68	96

	SHUTTER SPEEDS	FLASH SYNCH.	FOCUS LEVER*
Copal #0	10 speeds 1-1/500 sec T and B	M-X	Yes
Copal #1	10 speeds 1-1/400 sec. T and B	M-X	Yes
Copal #3	8 speeds 1-1/125 sec. T and B	X	Yes
* Focus lever permits opening the lens while shutter is tensioned or un-tensioned.			

Prices and Specifications subject to change without notice.

**RODENSTOCK DIVISION
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