

New Large Format Lenses for 4x5in (153.7 mm Diagonal)

Sorted by Focal Length, Image Circle

Michael K.

Maker	Model	Focal Lngth (mm)	Max. Apert.	Min. Apert.	Image Circle @ f/22	4x5in Excess Covg.	4x5in Excess Cvr %	4x5in Max. Rise Landscp	4x5in Max. Rise Portrait	4x5 Front Tilt Deg. Landscp	4x5 Front Tilt Deg. Portrait	4x5in Equiv. to 35	Angle of Cvr	Shtr Size	Wt. (g)	Wt. (lb)
Schneider	Super-Angulon XL	47	f/5.6	f/32	166	12.3	7.41	9.35	7.71	11.25	9.32	12	120	0	310	0.68
Rodenstock	APO-Grandagon N (specs @ f/11)	55	f/4.5	f/45	163	9.3	5.71	7.16	5.87	7.41	6.09	14	110	0	400	0.88
Schneider	Super-Angulon XL	58	f/5.6	f/32	166	12.3	7.41	9.35	7.71	9.16	7.57	15	110	0	320	0.71
Rodenstock	Grandagon N	65	f/4.5	f/45	170	16.3	9.59	12.21	10.15	10.64	8.88	16	105	0	330	0.73
Nikon	Nikkor SW (specs @ f/16)	65	f/4	f/45	170	16.3	9.59	12.21	10.15	10.64	8.88	16	105	0	370	0.82
Schneider	Super-Angulon	65	f/5.6	f/45	170	16.3	9.59	12.21	10.15	10.64	8.88	16	105	0	340	0.75
Fuji	Fujinon SWD	65	f/5.6	?	169	15.3	9.05	11.50	9.54	10.03	8.35	16	105	0	315	0.69
Schneider	Super-Angulon XL	72	f/5.6	f/45	226	72.3	31.99	47.75	42.30	33.55	30.43	18	115	0	557	1.23
Nikon	Nikkor SW (specs @ f/16)	75	f/4.5	f/45	200	46.3	23.15	32.00	27.73	23.11	20.29	19	106	0	420	0.93
Schneider	Super-Angulon	75	f/5.6	f/45	198	44.3	22.37	30.75	26.59	22.29	19.52	19	105	0	380	0.84
Fuji	Fujinon SWD	75	f/5.6	f/45	196	42.3	21.58	29.49	25.44	21.46	18.74	19	105	0	400	0.88
Rodenstock	Grandagon N	75	f/4.5	f/45	195	41.3	21.18	28.85	24.87	21.04	18.34	19	105	0	440	0.97
Rodenstock	Grandagon N	75	f/6.8	f/45	187	33.3	17.81	23.71	20.24	17.54	15.10	19	102	0	340	0.75
Schneider	Super-Symmar XL	80	f.4.5	f/32	212	58.3	27.50	39.38	34.51	26.21	23.33	20	105	0	271	0.60
Schneider	Super-Angulon XL	90	f/5.6	f/45	259	105.3	40.66	66.76	60.28	36.57	33.81	23	110	0	665	1.47
Fuji	Fujinon SWD	90	f/5.6	f/64	236	82.3	34.87	53.61	47.80	30.78	27.97	23	105	0	605	1.33
Rodenstock	Grandagon N	90	f/4.5	f/45	236	82.3	34.87	53.61	47.80	30.78	27.97	23	105	1	700	1.54
Nikon	Nikkor SW	90	f/8	f/64	235	81.3	34.60	53.03	47.25	30.51	27.70	23	105	0	360	0.79
Nikon	Nikkor SW (specs @ f/16)	90	f/4.5	f/45	235	81.3	34.60	53.03	47.25	30.51	27.70	23	105	0	600	1.32
Schneider	Super-Angulon	90	f/5.6	f/45	235	81.3	34.60	53.03	47.25	30.51	27.70	23	105	0	570	1.26
Rodenstock	Grandagon N	90	f/6.8	f/45	221	67.3	30.45	44.79	39.53	26.46	23.71	23	102	0	460	1.01
Fuji	Fujinon SW	90	f/8	f/45	216	62.3	28.84	41.80	36.75	24.91	22.21	23	100	0	407	0.90
Schneider	Super-Angulon	90	f/8	f/45	216	62.3	28.84	41.80	36.75	24.91	22.21	23	100	0	390	0.86
Rodenstock	APO-Sironar N	100	f/5.6	f/64	151	-2.7	-1.79	0.00	0.00	0.00	0.00	25	72	0	170	0.37
Schneider	APO-Symmar	100	f/5.6	f/64	145	-8.7	-6.00	0.00	0.00	0.00	0.00	25	72	0	165	0.36
Fuji	Fujinon SW	105	f/8	f/45	250	96.3	38.52	61.66	55.42	30.42	27.82	26	100	0	570	1.26
Fuji	Fujinon CM-W	105	f/5.6	f/45	174	20.3	11.67	15.00	12.56	8.13	6.82	26	78	0	220	0.49
Nikon	Nikkor W	105	f/5.6	f/45	155	1.3	0.84	1.05	0.85	0.57	0.46	26	73	0	185	0.41
Schneider	Super-Symmar XL	110	f/5.6	f/45	288	134.3	46.63	82.90	75.76	37.00	34.56	28	105	1	425	0.94
Rodenstock	Grandagon N	115	f/6.8	f/45	291	137.3	47.18	84.55	77.35	36.32	33.93	29	104	1	740	1.63
Nikon	Nikkor SW	120	f/8	f/64	312	158.3	50.74	96.00	88.43	38.66	36.39	30	105	0	610	1.34
Schneider	Super-Angulon	120	f/8	f/64	288	134.3	46.63	82.90	75.76	34.64	32.27	30	100	0	700	1.54
Schneider	Super-Symmar HM	120	f/5.6	f/64	211	57.3	27.16	38.78	33.95	17.91	15.80	30	82	0	370	0.82
Schneider	APO-Symmar	120	f/5.6	f/64	179	25.3	14.13	18.41	15.54	8.72	7.38	30	72	0	200	0.44
Fuji	Fujinon SW	125	f/8	f/45	280	126.3	45.11	78.49	71.51	32.13	29.77	31	96	0	745	1.64
Fuji	Fujinon CM-W	125	f/5.6	f/64	204	50.3	24.66	34.49	30.00	15.42	13.50	31	78	0	265	0.58
Fuji	Fujinon CM-W	135	f/5.6	f/64	214	60.3	28.18	40.59	35.63	16.74	14.78	34	76	0	270	0.60

Rodenstock	APO-Sironar S	135	f/5.6	f/64	208	54.3	26.11	36.95	32.26	15.31	13.44	34	75	0	240	0.53
Rodenstock	APO-Sironar N	135	f/5.6	f/64	200	46.3	23.15	32.00	27.73	13.34	11.61	34	72	0	210	0.46
Nikon	Nikkor W	135	f/5.6	f/64	200	46.3	23.15	32.00	27.73	13.34	11.61	34	73	0	200	0.44
Schneider	APO-Symmar	135	f/5.6	f/64	195	41.3	21.18	28.85	24.87	12.06	10.44	34	72	0	205	0.45
Nikon	Nikkor SW	150	f/8	f/64	400	246.3	61.58	142.79	134.15	43.59	41.81	38	106	1	1050	2.31
Schneider	Super-Symmar XL	150	f/5.6	f/64	386	232.3	60.18	135.44	126.94	42.08	40.24	38	105	1	740	1.63
Schneider	Super-Symmar HM	150	f/5.6	f/64	254	100.3	39.49	63.93	57.58	23.08	21.00	38	80	1	740	1.63
Rodenstock	APO-Sironar W	150	f/5.6	f/45	252	98.3	39.01	62.80	56.50	22.72	20.64	38	80	1	?	?
Rodenstock	APO-Sironar S	150	f/5.6	f/64	231	77.3	33.46	50.69	45.05	18.67	16.72	38	75	0	250	0.55
Fuji	Fujinon CM-W	150	f/5.6	f/64	223	69.3	31.08	45.98	40.64	17.04	15.16	38	73	0	280	0.62
Schneider	APO-Symmar	150	f/5.6	f/64	220	66.3	30.14	44.20	38.97	16.42	14.57	38	72	0	250	0.55
Rodenstock	APO-Sironar N	150	f/5.6	f/64	214	60.3	28.18	40.59	35.63	15.14	13.36	38	72	0	220	0.49
Nikon	Nikkor W	150	f/5.6	f/64	210	56.3	26.81	38.17	33.39	14.28	12.55	38	70	0	230	0.51
Schneider	G-Claron	150	f/9	f/64	189	35.3	18.68	25.01	21.40	9.47	8.12	38	64	0	230	0.51
Schneider	Xenar	150	f/5.6	f/45	173	19.3	11.16	14.31	11.96	5.45	4.56	38	60	0	170	0.37
Rodenstock	Grandagon N	155	f/6.8	f/45	382	228.3	59.76	133.33	124.87	40.70	38.86	39	102	1	1460	3.22
Schneider	Super-Angulon	165	f/8	f/64	395	241.3	61.09	140.17	131.58	40.35	38.57	41	100	3	1605	3.54
Rodenstock	APO-Sironar S	180	f/5.6	f/64	276	122.3	44.31	76.27	69.38	22.96	21.08	45	75	1	410	0.90
Schneider	APO-Symmar	180	f/5.6	f/64	263	109.3	41.56	69.01	62.43	20.98	19.13	45	72	0	385	0.85
Rodenstock	APO-Sironar N	180	f/5.6	f/64	262	108.3	41.34	68.45	61.89	20.82	18.97	45	72	1	400	0.88
Fuji	Fujinon CM-W	180	f/5.6	f/64	260	106.3	40.88	67.33	60.81	20.51	18.67	45	71	1	405	0.89
Nikon	Nikkor W	180	f/5.6	f/64	253	99.3	39.25	63.37	57.04	19.39	17.58	45	70	1	380	0.84
Fuji	Fujinon A	180	f/9	f/90	252	98.3	39.01	62.80	56.50	19.23	17.43	45	70	0	170	0.37
Rodenstock	Grandagon N	200	f/6.8	f/64	495	341.3	68.95	192.12	182.80	43.85	42.43	50	102	3	?	?
Nikon	Nikkor M	200	f/8	f/64	210	56.3	26.81	38.17	33.39	10.80	9.48	50	55	0	180	0.40
Schneider	Super-Symmar XL	210	f/5.6	f/64	500	346.3	69.26	194.69	185.35	42.83	41.43	53	100	3	2002	4.41
Schneider	Super-Angulon	210	f/8	f/90	500	346.3	69.26	194.69	185.35	42.83	41.43	53	100	3	3065	6.76
Schneider	Super-Symmar HM	210	f/5.6	f/64	356	202.3	56.83	119.58	111.41	29.66	27.95	53	80	3	1510	3.33
Rodenstock	APO-Sironar W	210	f/5.6	f/64	352	198.3	56.34	117.46	109.33	29.22	27.50	53	80	3	950	2.09
Rodenstock	APO-Sironar S	210	f/5.6	f/64	316	162.3	51.36	98.16	90.53	25.05	23.32	53	75	1	490	1.08
Fuji	Fujinon CM-W	210	f/5.6	f/64	309	155.3	50.26	94.37	86.85	24.20	22.47	53	72	1	505	1.11
Schneider	APO-Symmar	210	f/5.6	f/64	305	151.3	49.61	92.20	84.75	23.70	21.98	53	72	1	590	1.30
Rodenstock	APO-Sironar N	210	f/5.6	f/64	301	147.3	48.94	90.02	82.64	23.20	21.48	53	72	1	440	0.97
Nikon	Nikkor W	210	f/5.6	f/64	295	141.3	47.90	86.75	79.47	22.44	20.73	53	70	1	460	1.01
Schneider	G-Claron	210	f/9	f/64	260	106.3	40.88	67.33	60.81	17.78	16.15	53	64	1	285	0.63
Schneider	Xenar	210	f/6.1	f/45	249	95.3	38.27	61.09	54.87	16.22	14.64	53	60	1	375	0.83
Rodenstock	APO-Sironar S	240	f/5.6	f/64	372	218.3	58.68	128.06	119.70	28.08	26.51	60	75	3	980	2.16
Schneider	APO-Symmar	240	f/5.6	f/64	352	198.3	56.34	117.46	109.33	26.08	24.49	60	72	3	820	1.81
Rodenstock	APO-Sironar N	240	f/5.6	f/64	350	196.3	56.09	116.39	108.29	25.87	24.28	60	72	3	780	1.72
Fuji	Fujinon A	240	f/9	f/90	336	182.3	54.26	108.92	101.00	24.41	22.82	60	70	0	225	0.50
Nikon	Nikkor W	240	f/5.6	f/64	336	182.3	54.26	108.92	101.00	24.41	22.82	60	70	3	820	1.81
Schneider	G-Claron	240	f/9	f/64	298	144.3	48.42	88.39	81.06	20.22	18.66	60	64	1	330	0.73
Rodenstock	APO-Ronar	240	f/9	f/90	212	58.3	27.50	39.38	34.51	9.32	8.18	60	48	1	?	?

Fuji	Fujinon CM-W	250	f/6.3	f/90	320	166.3	51.97	100.32	92.63	21.87	20.33	63	65	1	510	1.12
Schneider	Tele-Arton	250	f/5.6	f/90	158	4.3	2.72	3.39	2.75	0.78	0.63	63	35	1	810	1.79
Schneider	G-Claron	270	f/9	f/90	335	181.3	54.12	108.38	100.48	21.87	20.41	68	64	1	375	0.83
Nikon	Nikkor T ED	270	f/6.3	f/64	160	6.3	3.94	4.92	4.00	1.04	0.85	68	33	1	590	1.30
Rodenstock	APO-Sironar W	300	f/5.6	f/64	490	336.3	68.63	189.54	180.25	32.28	31.00	75	80	3	1610	3.55
Rodenstock	APO-Sironar S	300	f/5.6	f/64	448	294.3	65.69	167.81	158.80	29.22	27.89	75	75	3	1210	2.67
Schneider	APO-Symmar	300	f/5.6	f/64	425	271.3	63.84	155.85	147.01	27.45	26.11	75	72	3	1155	2.55
Rodenstock	APO-Sironar N	300	f/5.6	f/64	425	271.3	63.84	155.85	147.01	27.45	26.11	75	72	3	1040	2.29
Nikon	Nikkor W	300	f/5.6	f/64	420	266.3	63.40	153.25	144.44	27.06	25.71	75	70	3	1250	2.76
Fuji	Fujinon CM-W	300	f/5.6	f/90	412	258.3	62.69	149.07	140.33	26.42	25.07	75	69	3	965	2.13
Fuji	Fujinon C	300	f/8.5	f/64	380	226.3	59.55	132.28	123.84	23.79	22.43	75	66	1	250	0.55
Nikon	Nikkor M	300	f/9	f/128	325	171.3	52.71	103.02	95.25	18.95	17.61	75	57	1	290	0.64
Rodenstock	APO-Ronar	300	f/9	f/90	264	110.3	41.78	69.58	62.96	13.06	11.85	75	48	1	?	?
Fuji	Fujinon T	300	f/8	f/64	213	59.3	27.84	39.99	35.07	7.59	6.67	75	39	1	415	0.91
Schneider	G-Claron	305	f/9	f/90	381	227.3	59.66	132.80	124.35	23.53	22.18	76	64	1	460	1.01
Schneider	G-Claron	355	f/9	f/90	444	290.3	65.38	165.74	156.75	25.03	23.82	89	64	3	855	1.88
Nikon	Nikkor W	360	f/6.5	f/64	494	340.3	68.89	191.60	182.29	28.02	26.86	90	69	3	1420	3.13
Schneider	APO-Symmar	360	f/6.8	f/64	491	337.3	68.70	190.06	180.76	27.83	26.66	90	70	3	1410	3.11
Fuji	Fujinon CM-W	360	f/6.5	f/90	485	331.3	68.31	186.96	177.70	27.44	26.27	90	68	3	1175	2.59
Rodenstock	APO-Sironar S	360	f/6.8	f/64	468	314.3	67.16	178.18	169.02	26.33	25.15	90	68	3	1560	3.44
Rodenstock	APO-Sironar N	360	f/6.8	f/64	435	281.3	64.67	161.06	152.14	24.10	22.91	90	64	3	1560	3.44
Rodenstock	APO-Ronar	360	f/9	f/90	318	164.3	51.67	99.24	91.58	15.41	14.27	90	48	3	?	?
Nikon	Nikkor T ED	360	f/8	f/64	210	56.3	26.81	38.17	33.39	6.05	5.30	90	33	1	800	1.76
Schneider	APO-Tele-Xenar HM	400	f/5.6	f/90	250	96.3	38.52	61.66	55.42	8.76	7.89	100	35	3	1270	2.80
Schneider	APO-Tele-Xenar HM Compact	400	f/5.6	f/64	249	95.3	38.27	61.09	54.87	8.68	7.81	100	35.8	3	916	2.02
Fuji	Fujinon T	400	f/8	f/64	220	66.3	30.14	44.20	38.97	6.30	5.57	100	31	1	600	1.32
Fuji	Fujinon CM-W	450	f/8	f/90	520	366.3	70.44	204.98	195.53	24.49	23.49	113	60	3	1140	2.51
Fuji	Fujinon C	450	f/12.5	f/64	486	332.3	68.37	187.48	178.21	22.62	21.60	113	57	1	270	0.60
Nikon	Nikkor M	450	f/9	f/128	440	286.3	65.07	163.66	154.70	19.99	18.97	113	52	3	640	1.41
Schneider	APO-Symmar	480	f/8.4	f/64	500	346.3	69.26	194.69	185.35	22.08	21.11	120	56	3	1680	3.70
Rodenstock	APO-Sironar N	480	f/8.4	f/90	500	346.3	69.26	194.69	185.35	22.08	21.11	120	56	3	2299	5.07
Rodenstock	APO-Ronar	480	f/9	f/90	396	242.3	61.19	140.69	132.09	16.34	15.39	120	46	3	?	?
Nikon	Nikkor T ED	500	f/11	f/64	210	56.3	26.81	38.17	33.39	4.37	3.82	125	24	1	760	1.68
Fuji	Fujinon C	600	f/11.5	f/90	620	466.3	75.21	256.14	246.26	23.12	22.31	150	55	3	575	1.27
Nikon	Nikkor T ED	600	f/9	f/64	310	156.3	50.42	94.92	87.38	8.99	8.29	150	29	3	?	?
Fuji	Fujinon T	600	f/12	f/90	260	106.3	40.88	67.33	60.81	6.40	5.79	150	24	1	1000	2.20
Nikon	Nikkor T ED	720	f/16	f/64	210	56.3	26.81	38.17	33.39	3.03	2.65	180	17	3	780	1.72
Schneider	APO-Tele Xenar HM	800	f/12	f/128	500	346.3	69.26	194.69	185.35	13.68	13.04	200	35	3	2500	5.51
Nikon	Nikkor T ED	800	f/12	f/64	310	156.3	50.42	94.92	87.38	6.77	6.23	200	22	3	1600	3.53
Nikon	Nikkor T ED	1200	f/18	f/64	310	156.3	50.42	94.92	87.38	4.52	4.16	300	15	3	1480	3.26

Davis January 2002

Filt. Size (mm)	Street Price	Center Filter Price
67	\$1,328.00	\$364.95
67	\$1,139.95	\$529.95
67	\$1,144.00	\$364.95
58	\$1,199.00	\$299.00
67	\$1,079.95	
67	\$1,199.00	\$364.95
67	\$1,095.00	
95	\$1,444.00	\$499.95
67	\$1,229.95	
67	\$1,269.00	\$364.95
67	\$1,225.00	
67	\$1,169.95	\$439.95
58	\$749.00	\$359.00
67	\$1,549.90	\$364.95
95	\$1,559.00	\$499.95
82	\$1,295.00	
82	\$1,300.00	\$576.00
67	\$839.95	
82	\$1,319.95	
82	\$1,409.00	\$499.95
67	\$919.00	\$439.95
67	\$795.00	
67	\$949.00	\$474.95
40.5	\$499.00	
40.5	\$556.95	
77	\$1,195.00	
67	\$645.00	
52	\$499.95	
67	\$1,669.00	\$429.95
82	\$1,444.95	\$576.00
77	\$1,129.95	
82	\$1,386.00	\$474.95
67	\$1,269.00	
49	\$652.00	
82	\$1,195.00	
67	\$645.00	
67	\$695.00	

49	\$639.00	
40.5	\$539.00	
52	\$599.95	
49	\$669.00	
95	\$2,299.95	
95	\$2,124.00	\$429.95
77	\$1,652.00	
70	\$1,149.00	
49	\$679.95	
67	\$695.00	
58	\$609.95	
49	\$559.00	
52	\$559.95	
35.5	\$519.00	
34	\$399.00	
105	\$2,948.95	\$1,039.00
110	\$3,234.00	\$1,079.95
67	\$820.00	
58	\$866.00	
58	\$739.00	
67	\$795.00	
67	\$649.95	
46	\$725.00	
135	\$4,499.00	\$1,269.00
52	\$619.95	
135	\$2,829.95	
127	\$5,195.00	\$1,139.95
100	\$2,656.00	
100	\$1,799.00	
72	\$959.95	
67	\$875.00	
72	\$899.00	
58	\$715.00	
67	\$679.95	
49	\$711.00	
46	\$637.95	
86	\$1,660.00	
77	\$1,298.00	
77	\$1,349.00	
52	\$750.00	
82	\$1,199.95	
52	\$764.00	
49	\$1,189.95	

67	\$975.00
67	\$1,470.00
58	\$954.00
67	\$1,489.95
127	\$2,998.95
100	\$1,999.95
105	\$1,748.00
86	\$1,849.00
95	\$1,559.95
77	\$1,595.00
52	\$725.00
52	\$709.95
49	\$1,231.95
67	\$850.00
67	\$954.00
77	\$1,499.00
95	\$1,649.95
112	\$1,939.00
86	\$1,925.00
112	\$2,484.95
105	\$1,948.95
58	\$1,499.00
67	\$1,929.95
100	\$4,510.00
82	\$2,219.95
67	\$1,095.00
86	\$2,225.00
52	\$995.00
67	\$2,429.00
105	\$2,429.00
112	\$3,164.50
67	\$2,236.50
67	\$1,989.95
67	\$1,595.00
95	\$2,699.95
67	\$1,595.00
67	\$2,089.95
135	\$8,873.95
95	\$2,949.95
95	\$2,299.95