

# New Large Format Lenses for 6x7cm (89.64 mm Diagonal)

Sorted by Focal Length, Image Circle

Michael K.

Maker	Model	Focal Lngth (mm)	Max. Apert.	Min. Apert.	Image Circle @ f/22	6x7cm Excess Covg.	6x7cm Excess Cvrg %	6x7cm Max. Rise Landscp	6x7cm Max. Rise Portrait	6x7 Front Tilt Deg. Landscp	6x7 Front Tilt Deg. Portrait	6x7 Equiv. to 35	Angle of Cvrg	Shtr Size	Wt. (g)	Wt. (lb)
Rodenstock	APO-Grandagon N (specs @ f/11)	35	f/4.5	f/22	125	35.4	28.29	23.78	20.88	34.19	30.82	17	120	0	300	0.66
Schneider	Super-Angulon XL	38	f/5.6	f/32	137	47.4	34.57	30.88	27.52	39.10	35.91	18	120	0	270	0.60
Rodenstock	APO-Grandagon N (specs @ f/11)	45	f/4.5	f/32	131	41.4	31.57	27.36	24.21	31.30	28.28	22	110	0	350	0.77
Schneider	Super-Angulon XL	47	f/5.6	f/32	166	76.4	46.00	47.26	43.13	45.16	42.54	23	120	0	310	0.68
Schneider	Super-Angulon	47	f/5.6	f/32	123	33.4	27.12	22.57	19.76	25.65	22.80	23	105	0	235	0.52
Rodenstock	APO-Grandagon N (specs @ f/11)	55	f/4.5	f/45	163	73.4	45.01	45.60	41.54	39.66	37.06	27	110	0	400	0.88
Schneider	Super-Angulon XL	58	f/5.6	f/32	166	76.4	46.00	47.26	43.13	39.17	36.64	28	110	0	320	0.71
Rodenstock	Grandagon N	65	f/4.5	f/45	170	80.4	47.27	49.46	45.26	37.27	34.85	31	105	0	330	0.73
Nikon	Nikkor SW (specs @ f/16)	65	f/4	f/45	170	80.4	47.27	49.46	45.26	37.27	34.85	31	105	0	370	0.82
Schneider	Super-Angulon	65	f/5.6	f/45	170	80.4	47.27	49.46	45.26	37.27	34.85	31	105	0	340	0.75
Fuji	Fujinon SWD	65	f/5.6	?	169	79.4	46.96	48.91	44.73	36.96	34.53	31	105	0	315	0.69
Schneider	Super-Angulon XL	72	f/5.6	f/45	226	136.4	60.34	79.44	74.48	47.81	45.97	35	115	0	557	1.23
Nikon	Nikkor SW (specs @ f/16)	75	f/4.5	f/45	200	110.4	55.18	65.67	61.00	41.21	39.12	36	106	0	420	0.93
Schneider	Super-Angulon	75	f/5.6	f/45	198	108.4	54.73	64.61	59.96	40.74	38.64	36	105	0	380	0.84
Fuji	Fujinon SWD	75	f/5.6	f/45	196	106.4	54.27	63.54	58.91	40.27	38.15	36	105	0	400	0.88
Rodenstock	Grandagon N	75	f/4.5	f/45	195	105.4	54.03	63.00	58.39	40.03	37.90	36	105	0	440	0.97
Rodenstock	Grandagon N	75	f/6.8	f/45	187	97.4	52.06	58.70	54.21	38.05	35.86	36	102	0	340	0.75
Schneider	Super-Symmar XL	80	f.4.5	f/32	212	122.4	57.72	72.05	67.24	42.01	40.04	39	105	0	271	0.60
Schneider	Super-Angulon XL	90	f/5.6	f/45	259	169.4	65.39	96.68	91.44	47.05	45.45	43	110	0	665	1.47
Fuji	Fujinon SWD	90	f/5.6	f/64	236	146.4	62.02	84.69	79.63	43.26	41.50	43	105	0	605	1.33
Rodenstock	Grandagon N	90	f/4.5	f/45	236	146.4	62.02	84.69	79.63	43.26	41.50	43	105	1	700	1.54
Nikon	Nikkor SW	90	f/8	f/64	235	145.4	61.86	84.17	79.12	43.08	41.32	43	105	0	360	0.79
Nikon	Nikkor SW (specs @ f/16)	90	f/4.5	f/45	235	145.4	61.86	84.17	79.12	43.08	41.32	43	105	0	600	1.32
Schneider	Super-Angulon	90	f/5.6	f/45	235	145.4	61.86	84.17	79.12	43.08	41.32	43	105	0	570	1.26
Rodenstock	Grandagon N	90	f/6.8	f/45	221	131.4	59.44	76.81	71.89	40.48	38.62	43	102	0	460	1.01
Fuji	Fujinon SW	90	f/8	f/45	216	126.4	58.50	74.17	69.31	39.49	37.60	43	100	0	407	0.90
Schneider	Super-Angulon	90	f/8	f/45	216	126.4	58.50	74.17	69.31	39.49	37.60	43	100	0	390	0.86
Rodenstock	APO-Sironar N	100	f/5.6	f/64	151	61.4	40.64	38.90	35.12	21.25	19.35	48	72	0	170	0.37
Schneider	APO-Symmar	100	f/5.6	f/64	145	55.4	38.18	35.49	31.87	19.54	17.68	48	72	0	165	0.36
Fuji	Fujinon SW	105	f/8	f/45	250	160.4	64.14	92.00	86.82	41.22	39.59	51	100	0	570	1.26
Fuji	Fujinon CM-W	105	f/5.6	f/45	174	84.4	48.48	51.65	47.37	26.19	24.28	51	78	0	220	0.49
Nikon	Nikkor W	105	f/5.6	f/45	155	65.4	42.17	41.15	37.27	21.40	19.54	51	73	0	185	0.41
Schneider	Super-Symmar XL	110	f/5.6	f/45	288	198.4	68.88	111.68	106.25	45.43	44.01	53	105	1	425	0.94
Rodenstock	Grandagon N	115	f/6.8	f/45	291	201.4	69.20	113.23	107.78	44.56	43.14	56	104	1	740	1.63
Nikon	Nikkor SW	120	f/8	f/64	312	222.4	71.27	124.02	118.47	45.94	44.63	58	105	0	610	1.34
Schneider	Super-Angulon	120	f/8	f/64	288	198.4	68.88	111.68	106.25	42.94	41.52	58	100	0	700	1.54
Schneider	Super-Symmar HM	120	f/5.6	f/64	211	121.4	57.52	71.53	66.72	30.80	29.07	58	82	0	370	0.82

Schneider	APO-Symmar	120	f/5.6	f/64	179	89.4	49.92	54.37	50.01	24.38	22.62	58	72	0	200	0.44
Fuji	Fujinon SW	125	f/8	f/45	280	190.4	67.99	107.55	102.17	40.71	39.26	60	96	0	745	1.64
Fuji	Fujinon CM-W	125	f/5.6	f/64	204	114.4	56.06	67.81	63.08	28.48	26.78	60	78	0	265	0.58
Fuji	Fujinon CM-W	135	f/5.6	f/64	214	124.4	58.11	73.11	68.27	28.44	26.83	65	76	0	270	0.60
Rodenstock	APO-Sironar S	135	f/5.6	f/64	208	118.4	56.90	69.93	65.16	27.39	25.77	65	75	0	240	0.53
Rodenstock	APO-Sironar N	135	f/5.6	f/64	200	110.4	55.18	65.67	61.00	25.94	24.32	65	72	0	210	0.46
Nikon	Nikkor W	135	f/5.6	f/64	200	110.4	55.18	65.67	61.00	25.94	24.32	65	73	0	200	0.44
Schneider	APO-Symmar	135	f/5.6	f/64	195	105.4	54.03	63.00	58.39	25.02	23.39	65	72	0	205	0.45
Nikon	Nikkor SW	150	f/8	f/64	400	310.4	77.59	168.91	163.03	48.39	47.38	72	106	1	1050	2.31
Schneider	Super-Symmar XL	150	f/5.6	f/64	386	296.4	76.78	161.80	155.96	47.17	46.12	72	105	1	740	1.63
Schneider	Super-Symmar HM	150	f/5.6	f/64	254	164.4	64.71	94.08	88.87	32.10	30.65	72	80	1	740	1.63
Rodenstock	APO-Sironar W	150	f/5.6	f/45	252	162.4	64.43	93.04	87.85	31.81	30.36	72	80	1	?	?
Rodenstock	APO-Sironar S	150	f/5.6	f/64	231	141.4	61.19	82.07	77.05	28.68	27.19	72	75	0	250	0.55
Fuji	Fujinon CM-W	150	f/5.6	f/64	223	133.4	59.80	77.86	72.93	27.43	25.93	72	73	0	280	0.62
Schneider	APO-Symmar	150	f/5.6	f/64	220	130.4	59.25	76.28	71.38	26.96	25.45	72	72	0	250	0.55
Rodenstock	APO-Sironar N	150	f/5.6	f/64	214	124.4	58.11	73.11	68.27	25.99	24.47	72	72	0	220	0.49
Nikon	Nikkor W	150	f/5.6	f/64	210	120.4	57.31	70.99	66.20	25.33	23.81	72	70	0	230	0.51
Schneider	G-Claron	150	f/9	f/64	189	99.4	52.57	59.78	55.26	21.73	20.22	72	64	0	230	0.51
Schneider	Xenar	150	f/5.6	f/45	173	83.4	48.18	51.10	46.84	18.81	17.34	72	60	0	170	0.37
Rodenstock	APO-Ronar	150	f/9	f/64	135	45.4	33.60	29.72	26.42	11.21	9.99	72	48	0	?	?
Rodenstock	Grandagon N	155	f/6.8	f/45	382	292.4	76.53	159.77	153.94	45.87	44.80	75	102	1	1460	3.22
Schneider	Super-Angulon	165	f/8	f/64	395	305.4	77.31	166.37	160.51	45.24	44.21	80	100	3	1605	3.54
Rodenstock	APO-Sironar S	180	f/5.6	f/64	276	186.4	67.52	105.49	100.13	30.37	29.09	87	75	1	410	0.90
Schneider	APO-Symmar	180	f/5.6	f/64	263	173.4	65.92	98.76	93.48	28.75	27.45	87	72	0	385	0.85
Rodenstock	APO-Sironar N	180	f/5.6	f/64	262	172.4	65.79	98.24	92.97	28.62	27.32	87	72	1	400	0.88
Fuji	Fujinon CM-W	180	f/5.6	f/64	260	170.4	65.52	97.20	91.95	28.37	27.06	87	71	1	405	0.89
Nikon	Nikkor W	180	f/5.6	f/64	253	163.4	64.57	93.56	88.36	27.46	26.15	87	70	1	380	0.84
Fuji	Fujinon A	180	f/9	f/90	252	162.4	64.43	93.04	87.85	27.33	26.01	87	70	0	170	0.37
Rodenstock	Grandagon N	200	f/6.8	f/64	495	405.4	81.89	217.01	210.91	47.34	46.52	97	102	3	?	?
Nikon	Nikkor M	200	f/8	f/64	210	120.4	57.31	70.99	66.20	19.54	18.31	97	55	0	180	0.40
Schneider	Super-Symmar XL	210	f/5.6	f/64	500	410.4	82.07	219.54	213.43	46.27	45.46	101	100	3	2002	4.41
Schneider	Super-Angulon	210	f/8	f/90	500	410.4	82.07	219.54	213.43	46.27	45.46	101	100	3	3065	6.76
Schneider	Super-Symmar HM	210	f/5.6	f/64	356	266.4	74.82	146.53	140.78	34.90	33.84	101	80	3	1510	3.33
Rodenstock	APO-Sironar W	210	f/5.6	f/64	352	262.4	74.53	144.48	138.76	34.53	33.45	101	80	3	950	2.09
Rodenstock	APO-Sironar S	210	f/5.6	f/64	316	226.4	71.63	126.07	120.50	30.98	29.85	101	75	1	490	1.08
Fuji	Fujinon CM-W	210	f/5.6	f/64	309	219.4	70.99	122.48	116.94	30.25	29.11	101	72	1	505	1.11
Schneider	APO-Symmar	210	f/5.6	f/64	305	215.4	70.61	120.43	114.91	29.83	28.69	101	72	1	590	1.30
Rodenstock	APO-Sironar N	210	f/5.6	f/64	301	211.4	70.22	118.37	112.87	29.41	28.26	101	72	1	440	0.97
Nikon	Nikkor W	210	f/5.6	f/64	295	205.4	69.61	115.29	109.82	28.77	27.61	101	70	1	460	1.01
Schneider	G-Claron	210	f/9	f/64	260	170.4	65.52	97.20	91.95	24.84	23.65	101	64	1	285	0.63
Schneider	Xenar	210	f/6.1	f/45	249	159.4	64.00	91.48	86.31	23.54	22.34	101	60	1	375	0.83
Rodenstock	APO-Sironar S	240	f/5.6	f/64	372	282.4	75.90	154.68	148.88	32.80	31.81	116	75	3	980	2.16
Schneider	APO-Symmar	240	f/5.6	f/64	352	262.4	74.53	144.48	138.76	31.05	30.03	116	72	3	820	1.81

Rodenstock	APO-Sironar N	240	f/5.6	f/64	350	260.4	74.39	143.46	137.75	30.87	29.85	116	72	3	780	1.72
Fuji	Fujinon A	240	f/9	f/90	336	246.4	73.32	136.31	130.65	29.60	28.56	116	70	0	225	0.50
Nikon	Nikkor W	240	f/5.6	f/64	336	246.4	73.32	136.31	130.65	29.60	28.56	116	70	3	820	1.81
Schneider	G-Claron	240	f/9	f/64	298	208.4	69.92	116.83	111.35	25.96	24.89	116	64	1	330	0.73
Rodenstock	APO-Ronar	240	f/9	f/90	212	122.4	57.72	72.05	67.24	16.71	15.65	116	48	1	?	?
Fuji	Fujinon CM-W	250	f/6.3	f/90	320	230.4	71.99	128.12	122.53	27.14	26.11	121	65	1	510	1.12
Schneider	Tele-Arton	250	f/5.6	f/90	158	68.4	43.27	42.82	38.87	9.72	8.84	121	35	1	810	1.79
Schneider	G-Claron	270	f/9	f/90	335	245.4	73.24	135.80	130.14	26.70	25.73	130	64	1	375	0.83
Nikon	Nikkor T ED	270	f/6.3	f/64	160	70.4	43.98	43.94	39.94	9.24	8.41	130	33	1	590	1.30
Rodenstock	APO-Sironar W	300	f/5.6	f/64	490	400.4	81.71	214.49	208.39	35.56	34.79	145	80	3	1610	3.55
Rodenstock	APO-Sironar S	300	f/5.6	f/64	448	358.4	79.99	193.25	187.24	32.79	31.97	145	75	3	1210	2.67
Schneider	APO-Symmar	300	f/5.6	f/64	425	335.4	78.91	181.60	175.65	31.19	30.35	145	72	3	1155	2.55
Rodenstock	APO-Sironar N	300	f/5.6	f/64	425	335.4	78.91	181.60	175.65	31.19	30.35	145	72	3	1040	2.29
Nikon	Nikkor W	300	f/5.6	f/64	420	330.4	78.66	179.06	173.12	30.83	29.99	145	70	3	1250	2.76
Fuji	Fujinon CM-W	300	f/5.6	f/90	412	322.4	78.24	175.00	169.09	30.26	29.41	145	69	3	965	2.13
Fuji	Fujinon C	300	f/8.5	f/64	380	290.4	76.41	158.75	152.93	27.89	27.01	145	66	1	250	0.55
Nikon	Nikkor M	300	f/9	f/128	325	235.4	72.42	130.69	125.07	23.54	22.63	145	57	1	290	0.64
Rodenstock	APO-Ronar	300	f/9	f/90	264	174.4	66.05	99.28	94.00	18.31	17.40	145	48	1	?	?
Fuji	Fujinon T	300	f/8	f/64	213	123.4	57.92	72.58	67.75	13.60	12.73	145	39	1	415	0.91
Schneider	G-Claron	305	f/9	f/90	381	291.4	76.47	159.26	153.43	27.57	26.70	147	64	1	460	1.01
Schneider	G-Claron	355	f/9	f/90	444	354.4	79.81	191.22	185.23	28.31	27.55	171	64	3	855	1.88
Nikon	Nikkor W	360	f/6.5	f/64	494	404.4	81.85	216.51	210.41	31.02	30.30	174	69	3	1420	3.13
Schneider	APO-Symmar	360	f/6.8	f/64	491	401.4	81.74	214.99	208.90	30.85	30.13	174	70	3	1410	3.11
Fuji	Fujinon CM-W	360	f/6.5	f/90	485	395.4	81.52	211.96	205.88	30.49	29.76	174	68	3	1175	2.59
Rodenstock	APO-Sironar S	360	f/6.8	f/64	468	378.4	80.85	203.37	197.32	29.46	28.73	174	68	3	1560	3.44
Rodenstock	APO-Sironar N	360	f/6.8	f/64	435	345.4	79.39	186.67	180.69	27.41	26.65	174	64	3	1560	3.44
Rodenstock	APO-Ronar	360	f/9	f/90	318	228.4	71.81	127.10	121.52	19.45	18.65	174	48	3	?	?
Nikon	Nikkor T ED	360	f/8	f/64	210	120.4	57.31	70.99	66.20	11.16	10.42	174	33	1	800	1.76
Schneider	APO-Tele-Xenar HM	400	f/5.6	f/90	250	160.4	64.14	92.00	86.82	12.95	12.25	193	35	3	1270	2.80
Schneider	APO-Tele-Xenar HM Compact	400	f/5.6	f/64	249	159.4	64.00	91.48	86.31	12.88	12.18	193	35.8	3	916	2.02
Fuji	Fujinon T	400	f/8	f/64	220	130.4	59.25	76.28	71.38	10.80	10.12	193	31	1	600	1.32
Fuji	Fujinon CM-W	450	f/8	f/90	520	430.4	82.76	229.63	223.49	27.04	26.41	217	60	3	1140	2.51
Fuji	Fujinon C	450	f/12.5	f/64	486	396.4	81.56	212.47	206.38	25.27	24.64	217	57	1	270	0.60
Nikon	Nikkor M	450	f/9	f/128	440	350.4	79.63	189.20	183.21	22.80	22.15	217	52	3	640	1.41
Schneider	APO-Symmar	480	f/8.4	f/64	500	410.4	82.07	219.54	213.43	24.58	23.97	232	56	3	1680	3.70
Rodenstock	APO-Sironar N	480	f/8.4	f/90	500	410.4	82.07	219.54	213.43	24.58	23.97	232	56	3	2299	5.07
Rodenstock	APO-Ronar	480	f/9	f/90	396	306.4	77.36	166.88	161.01	19.17	18.54	232	46	3	?	?
Nikon	Nikkor T ED	500	f/11	f/64	210	120.4	57.31	70.99	66.20	8.08	7.54	241	24	1	760	1.68
Fuji	Fujinon C	600	f/11.5	f/90	620	530.4	85.54	280.02	273.73	25.02	24.52	290	55	3	575	1.27
Nikon	Nikkor T ED	600	f/9	f/64	310	220.4	71.08	123.00	117.45	11.58	11.08	290	29	3	?	?
Fuji	Fujinon T	600	f/12	f/90	260	170.4	65.52	97.20	91.95	9.20	8.71	290	24	1	1000	2.20
Nikon	Nikkor T ED	720	f/16	f/64	210	120.4	57.31	70.99	66.20	5.63	5.25	348	17	3	780	1.72
Schneider	APO-Tele Xenar HM	800	f/12	f/128	500	410.4	82.07	219.54	213.43	15.35	14.94	386	35	3	2500	5.51

Nikon	Nikkor T ED	800	f/12	f/64	310	220.4	71.08	123.00	117.45	8.74	8.35	386	22	3	1600	3.53
Nikon	Nikkor T ED	1200	f/18	f/64	310	220.4	71.08	123.00	117.45	5.85	5.59	579	15	3	1480	3.26

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<b>Filt. Size (mm)</b>	<b>Street Price</b>	<b>Center Filter Price</b>
67	\$1,199.00	\$529.95
72	\$1,379.95	\$364.95
58	\$999.95	\$359.00
67	\$1,328.00	\$364.95
52	\$982.00	\$281.95
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	
40.5	\$669.00	
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