

Large Format Lenses: specs

Compiled by Michael Gudzinowicz for [the Large Format Page](#)

The following list of view camera lenses was prepared to compare older lenses which may be available on the used market. There are numerous blank values in the table for which no data was available. For recent designs and prices as of January 2002, see [Michael Davis' lists](#).

"E/G" are the elements and groups used in the design. "AP" is the maximum aperture. "Cover Circle" is the lens coverage, usually stopped down to f/22. In some instances, copy lenses coverage at 1:1 was divided by 2 to estimate a value for infinity focus. "Film 2 Flange" is the film to flange distance for the lens.

The prices were those given in the source lists, and different source lists are differentiated by a numeral under "YR" (year). This information was included only to give an indication of when a lens might have been the current model. The lenses are in Copal shutters, with perhaps 2 or 3 exceptions.

Under "YR", #1 is a copy of a page of an equipment guide published in the mid 70's which gives list prices. The exact reference has been lost, and a xerox copy was used since some information is better than... #2 is a list published in Petersen's in 1984 (list prices). #3 is from the 1991 Calumet catalog (Calumet prices); #4 is from the 1991 Sinar Bron catalog (Sinar prices).

Feel free to distribute and update the list... One can't copyright a list of specs (no creativity is demonstrated) and none is claimed.

There are duplicate entries from different sources, which I decided to leave in the list. If someone has additional information, I'll try to add it if you contact me.

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Brand	Model	E/G	Focal Length	AP	Cover Circle	Film 2 Flange	Price	YR
Schneider	Super Angulon	8/4	47	5.6	123		810	3
Schneider	Super Angulon MC	8/4	47	5.6	123	52	807	2
Nikkor	SW	7/4	65	4.0	170		870	3
Nikkor	SW	7/4	65	4.0	170	71	1103	2
Rodenstock	Grandagon	8/4	65	4.5	170		1060	3
Rodenstock	Grandagon	8/4	65	4.5	170	72	1220	2
Sinar	Sinaron W		65	4.5	170		1283	4
Fujinon	SWD		65	5.6	172		749	1
Fujinon	SWDS	8/6	65	5.6	169	73	1115	2
Schneider	Super Angulon		65	5.6	170		826	1
Schneider	Super Angulon	8/4	65	5.6	170		950	3
Schneider	Super Angulon MC	8/4	65	5.6	170	73	1118	2
	Acugon		65	8.0	155		360	1
Calumet	Caltar WII		65	8.0	155		300	1
Fujinon	SW		65	8.0	155		379	1
Schneider	Super Angulon		65	8.0	155		558	1
Nikkor	SW	7/4	75	4.5	200		990	3
Nikkor	SW	7/4	75	4.5	200	82	1258	2
Rodenstock	Grandagon	8/4	75	4.5	195		1169	3
Rodenstock	Grandagon	8/4	75	4.5	195	83	1470	2
Rodenstock	Grandagon		75	4.5	200		1003	1
Sinar	Sinaron W		75	4.5	195		1398	4
Fujinon	SWD		75	5.6	200		825	1
Fujinon	SWDS	8/6	75	5.6	196	85	1215	2
Schneider	Super Angulon		75	5.6	198		941	1

Schneider	Super Angulon	8/4	75	5.6	198		1060	3
Schneider	Super Angulon	8/4	75	5.6	198	85	1264	2
Rodenstock	Grandagon	6/4	75	6.8	187		745	3
Rodenstock	Grandagon	6/4	75	6.8	187	79	880	2
Sinar	Sinaron W		75	6.8	187		914	4
Fujinon	SW		75	8.0	161		379	1
Schneider	Super Angulon		75	8.0	181		578	1
Schneider	Xenotar	5/4	80	2.8	98	73	811	2
Nikkor	SW	7/4	90	4.5	235		1070	3
Nikkor	SW	7/4	90	4.5	235	97	1458	2
Rodenstock	Grandagon	8/4	90	4.5	236		1359	3
Rodenstock	Grandagon	8/4	90	4.5	236	100		2
Rodenstock	Grandagon		90	4.5	240		1152	1
Sinar	Sinaron W		90	4.5	236		1603	4
Calumet	Caltar HR	7/4	90	5.6	235		550	2
Fujinon	SWD		90	5.6	238		337	1
Fujinon	SWDS	8/6	90	5.6	236	103	1408	2
Schneider	Super Angulon		90	5.6	235		1090	1
Schneider	Super Angulon	8/4	90	5.6	235		1129	3
Schneider	Super Angulon MC	8/4	90	5.6	235	103	1483	2
Calumet	Caltar II	6/4	90	6.8	221		400	2
Rodenstock	Grandagon	6/4	90	6.8	221		830	3
Rodenstock	Grandagon	6/4	90	6.8	221	94		2
Sinar	Sinaron W		90	6.8	221		1002	4
	Acugon		90	8.0	219		420	1
Calumet	Caltar HR	4/4	90	8.0	170		300	2
Calumet	Caltar WII		90	8.0	215		300	1
Fujinon	NSWS	6/6	90	8.0	216	99	708	2
Fujinon	SW		90	8.0	216		884	1
Goertz	Wide Angle Dagor		90	8.0	156		250	1
Nikkor	SW	8/4	90	8.0	235		680	3
Nikkor	SW	8/4	90	8.0	235	97	746	2
Rodenstock	Geronar WA	4/4	90	8.0	170	87	550	2
Schneider	Super Angulon		90	8.0	210		621	1
Schneider	Super Angulon	6/4	90	8.0	216		760	3
Schneider	Super Angulon	6/4	90	8.0	216	99	779	2
Schneider	Xenotar	5/4	100	2.8	117	95	1049	2
Schneider	Xenar	4/3	100	3.5	117	96		2
Nikkor	W	6/4	100	5.6	153	99	504	2
Rodenstock	Sironar N	6/4	100	5.6	147		430	3
Schneider	Apo Symmar	6/4	100	5.6	145		490	3
Schneider	Symmar S	6/4	100	5.6	143	96	439	2
Kodak	Wide Field Ektar		100	6.3	183		120	1
Fujinon	NWS	6/6	105	5.6	162	100	583	2
Nikkor	W	6/4	105	5.6	153		410	3
Fujinon	NSWS	6/6	105	8.0	250	116	1264	2
Fujinon	SW		105	8.0	250		764	1
Goertz	Wide Angle Dagor		111	8.0	186		250	1
Rodenstock	Grandagon	6/4	115	6.8	291		1349	3
Sinar	Sinaron W		115	6.8	291		1595	4
Nikkor	AM	8/4	120	5.6	125		860	3
Schneider	Apo Symmar	6/4	120	5.6	179		520	3
Schneider	Macro Symmar HM	8/4	120	5.6	250		970	3
Schneider	Super Symmar HM	8/6	120	5.6	211		950	3
Schneider	Symmar S	6/4	120	5.6	173	118	600	2
Schneider	Angulon		120	6.8	211		340	1
Fujinon	SW		120	8.0	290		410	1
Nikkor	SW	8/4	120	8.0	312		910	3

Nikkor	SW	8/4	120	8.0	312	131	1207	2
Schneider	Super Angulon	6/4	120	8.0	288		1089	3
Schneider	Super Angulon MC	8/4	120	8.0	288	133	1333	2
Schneider	Super Angulon		121	8.0	290		1062	1
Fujinon	NWS	6/6	125	5.6	198	120	583	2
Fujinon	NSWS	6/6	125	8.0	290	139	1325	2
	Astragon	6/2	135	4.5	152	135	178	2
Calumet	Caltar II	6/4	135	5.6	200		240	2
Calumet	Caltar S		135	5.6	189		180	1
Calumet	Caltar SII		135	5.6	189		199	1
Fujinon	NWS	6/6	135	5.6	206	128	481	2
Fujinon	W		135	5.6	228		339	1
Nikkor	W	6/4	135	5.6	200		450	3
Nikkor	W	6/4	135	5.6	206	128	481	2
Rodenstock	Sironar		135	5.6	175		377	1
Rodenstock	Sironar N	6/4	135	5.6	188		470	3
Rodenstock	Sironar N	6/4	135	5.6	200	130	535	2
Schneider	Apo Symmar	6/4	135	5.6	195		520	3
Schneider	Symmar		135	5.6	190		395	1
Schneider	Symmar S	6/4	135	5.6	190	129	448	2
Sinar	Sinaron S		135	5.6	200		593	4
Kodak	Wide Field Ektar		135	6.3	229		225	1
Schneider	Xenar	4/3	150	4.5	180	142		2
Calumet	Caltar HR	6/4	150	5.6	210		220	2
Calumet	Caltar II	6/4	150	5.6	214		230	2
Calumet	Caltar S		150	5.6	210		180	1
Calumet	Caltar SII		150	5.6	210		200	1
Fujinon	NWS	6/6	150	5.6	224	143	492	2
Fujinon	W		150	5.6	245		357	1
Nikkor	W	6/4	150	5.6	210		450	3
Nikkor	W	6/4	150	5.6	210	149	519	2
Rodenstock	Apo Sironar	7/5	150	5.6	252		1009	3
Rodenstock	Sironar		150	5.6	193		419	1
Rodenstock	Sironar N	6/4	150	5.6	208		500	3
Rodenstock	Sironar N	6/4	150	5.6	214	142	550	2
Schneider	Apo Symmar	6/4	150	5.6	220		515	3
Schneider	Super Symmar HM	8/6	150	5.6	254		1370	3
Schneider	Symmar		150	5.6	210		427	1
Schneider	Symmar S	6/4	150	5.6	210	143	468	2
Schneider	Xenar	4/3	150	5.6	173	142	267	2
Sinar	Sinaron S		150	5.6	214		630	4
Sinar	Sinaron WS		150	5.6	252		1203	4
	Acuton		150	6.3	209		400	1
Computar	Symmetricon	4/4	150	6.3	218		429	2
Rodenstock	Geronar	3/3	150	6.3	180	137	325	2
Goertz	Gold Dot Dagor		150	6.8	210		610	1
Goertz	Golden Dagor		150	6.8	210		400	1
Nikkor	SW	8/4	150	8.0	400		1760	3
Nikkor	SW	8/4	150	8.0	400	166	1995	2
Computar	F9	6/4	150	9.0	218		399	2
Rodenstock	Apo Ronar	4/4	150	9.0	135		640	3
Schneider	G Claron	6/4	150	9.0	189		400	3
Schneider	G Claron	6/4	150	9.0	192	151	348	2
Sinar	APO Sinaron		150	9.0	135		763	4
Kodak	Ektar		152	4.5	182		225	1
Rodenstock	Grandagon	6/4	155	6.8	369		3029	3
Sinar	Sinaron W		155	6.8	382		3511	4
	Acutar		165	6.3	163		228	1

Calumet	Caltar		165	6.3	206		125	1
Goertz	Wide Angle Dagor		165	8.0	289		250	1
Schneider	Super Angulon		165	8.0	390		2395	1
Schneider	Super Angulon	6/4	165	8.0	395		2679	3
Schneider	Super Angulon MC	8/4	165	8.0	395	181	3289	2
	Astragon	6/2	180	4.5	159	180	373	2
	Acuton		180	4.8	252		315	1
Calumet	Caltar HR	6/4	180	5.6	230		290	2
Fujinon	NWS	6/6	180	5.6	280	180	617	2
Fujinon	SFS	3/3	180	5.6	200	176	832	2
Fujinon	W		180	5.6	305		419	1
Nikkor	W	6/4	180	5.6	253		510	3
Nikkor	W	6/4	180	5.6	253	179	539	2
Rodenstock	Sironar		180	5.6	234		515	1
Rodenstock	Sironar N	6/4	180	5.6	252		660	3
Rodenstock	Sironar N	6/4	180	5.6	262	174	655	2
Schneider	Apo Symmar	6/4	180	5.6	263		670	3
Schneider	Macro Symmar HM	8/4	180	5.6	250		1149	3
Schneider	Symmar		180	5.6	255		547	1
Schneider	Symmar S MC	6/4	180	5.6	252	171	613	2
Sinar	Sinaron S		180	5.6	262		806	4
	Acutar		180	6.3	219		299	1
Computar	Symmetricon	4/4	180	6.3	262		449	2
Fujinon	AS	6/4	180	9.0	252	178	748	2
Kodak	Wide Field Ektar		190	6.3	318		325	1
Rodenstock	Imagon	3/2	200	5.8	150		1199	3
Rodenstock	Grandagon	8/4	200	6.8	495		4569	3
Nikkor	M	4/3	200	8.0	210		490	3
Kodak	Ektar		203	7.7	216		425	1
	Astragon	6/2	210	4.5	229	210	493	2
Schneider	Xenar	4/3	210	4.5	255	196		2
Calumet	Caltar HR	6/4	210	5.6	295		300	2
Calumet	Caltar II	6/4	210	5.6	301		330	2
Calumet	Caltar SII		210	5.6	294		300	1
Fujinon	LS	4/3	210	5.6	240	193	431	2
Fujinon	NWS	6/6	210	5.6	300	204	708	2
Fujinon	W		210	5.6	352		462	1
Nikkor	AM	8/4	210	5.6	200		1530	3
Nikkor	W	6/4	210	5.6	295		550	3
Nikkor	W	6/4	210	5.6	295	209	774	2
Rodenstock	Apo Sironar	7/5	210	5.6	352		1579	3
Rodenstock	Macro Sironar	6/4	210	5.6	267		1439	3
Rodenstock	Sironar		210	5.6	266		598	1
Rodenstock	Sironar N	6/4	210	5.6	286		675	2
Rodenstock	Sironar N	6/4	210	5.6	286		730	3
Schneider	Apo Symmar	6/4	210	5.6	305		730	3
Schneider	Super Symmar HM	8/6	210	5.6	356		2095	3
Schneider	Symmar		210	5.6	297		637	1
Schneider	Symmar S	6/4	210	5.6	294	201	682	2
Sinar	Macro Sinaron		210	5.6	350		1694	4
Sinar	Sinaron S		210	5.6	310		889	4
Sinar	Sinaron WS		210	5.6	352		1852	4
Schneider	Xenar	4/3	210	6.1	249	206	439	2
	Acutar		210	6.3	240		444	1
Computar	Symmetricon	4/4	210	6.3	308		469	2
Kodak	Commercial Ektar		210	6.3	270		475	1
Calumet	Caltar HR	3/3	210	6.8	230		200	2
Goertz	Gold Dot Dagor		210	6.8	294		700	1
Rodenstock	Geronar	3/3	210	6.8	230	195	425	2
Schneider	Angulon		210	6.8	362		340	1

Schneider	Super Angulon	6/4	210	8.0	500		4395	3
Schneider	Super Angulon	6/4	210	8.0	500	231	6163	2
Computar	F9	6/4	210	9.0	325	192	425	2
Goertz	Red Dot Artar		210	9.0	153		830	1
Schneider	G Claron	6/4	210	9.0	260		570	3
Schneider	G Claron	6/4	210	9.0	260	205	447	2
Calumet	Caltar S		215	5.6	301		220	1
	Acuton		215	6.3	305		360	1
Calumet	Caltar II	6/4	240	5.6	350		650	2
Calumet	Caltar S		240	5.6	336		449	1
Calumet	Caltar SII		240	5.6	336		500	1
Nikkor	W	6/4	240	5.6	336		950	3
Nikkor	W	6/4	240	5.6	336	227	1184	2
Rodenstock	Sironar		240	5.6	298		923	1
Rodenstock	Sironar N	6/4	240	5.6	337		1199	3
Rodenstock	Sironar N	6/4	240	5.6	350	231	1350	2
Schneider	Apo Symmar	6/4	240	5.6	352		1279	3
Schneider	Symmar		240	5.6	336		990	1
Schneider	Symmar S MC	6/4	240	5.6	337	229	1273	2
Sinar	Sinaron S		240	5.6	350		1429	4
Goertz	Gold Dot Dagor		240	6.8	336		860	1
Goertz	Golden Dagor		240	6.8	340		650	1
Computar	F9	6/4	240	9.0	372	220	539	2
Fujinon	AS	6/4	240	9.0	336	240	750	2
Rodenstock	Apo Ronar	4/4	240	9.0	212		825	3
Rodenstock	Apo Ronar	4/4	240	9.0	212	235	780	2
Schneider	G Claron	6/4	240	9.0	298		610	3
Schneider	G Claron	6/4	240	9.0	299	236	501	2
Sinar	APO Sinaron		240	9.0	212		1003	4
	Astragon	6/2	250	4.5	203	250	520	2
Fujinon	SFS	3/3	250	5.6	300	258	875	2
Schneider	Tele Arton	5/5	250	5.6	158		1169	3
Schneider	Tele Arton	5/5	250	5.6	158	207	1475	2
Rodenstock	Imagon	3/2	250	5.8	180		1249	3
Kodak	Wide Field Ektar		250	6.3	422		550	1
Fujinon	W		250	6.7	398		510	1
Fujinon	WS	6/4	250	6.7	398	246	1042	2
Kodak	Commercial Ektar		254	6.3	317		475	1
Nikkor	T ED	5/4	270	6.3	160		1199	3
Nikkor	T ED	5/4	270	6.3	160	188		2
Goertz	Gold Dot Dagor		270	6.8	382		800	1
Goertz	Golden Dagor		270	6.8	378		1000	1
Computar	F9	6/4	270	9.0	418	249	665	2
Schneider	G Claron	6/4	270	9.0	334	265	591	2
Schneider	G Claron	6/4	270	9.0	335		790	3
Goertz	Red Dot Artar		270	9.5	231		680	1
Calumet	Caltar II	6/4	300	5.6	425		900	2
Calumet	Caltar S		300	5.6	420		600	1
Calumet	Caltar SII		300	5.6	420		700	1
Fujinon	W		300	5.6	420		860	1
Nikkor	W	6/4	300	5.6	420		1260	3
Nikkor	W	6/4	300	5.6	420	287	1521	2
Rodenstock	Apo Sironar	7/5	300	5.6	490		3359	3
Rodenstock	Macro Sironar	6/4	300	5.6	275		2895	3
Rodenstock	Sironar		300	5.6	384		1251	1
Rodenstock	Sironar N	6/4	300	5.6	407		1639	3
Schneider	Apo Symmar	6/4	300	5.6	425		1699	3
Schneider	Symmar		300	5.6	402		1388	1
Schneider	Symmar S MC	6/4	300	5.6	411	280	1705	2

Schneider	Xenar	4/3	300	5.6	347	290	823	2
Sinar	Macro Sinaron		300	5.6	360		3342	4
Sinar	Sinaron S		300	5.6	425		1925	4
Sinar	Sinaron WS		300	5.6			3956	4
	Acutar		300	6.3	325		480	1
Rodenstock	Imagon	3/2	300	6.8	220		1369	3
Fujinon	TS	5/5	300	8.0	213	199	992	2
Fujinon	AS	6/4	300	9.0	420	299	1108	2
Nikkor	M	4/3	300	9.0	325		570	3
Nikkor	M	4/3	300	9.0	325	294	663	2
Rodenstock	Apo Ronar	4/4	300	9.0	264		960	3
Rodenstock	Apo Ronar	4/4	300	9.0	264	296	945	2
Rodenstock	Geronar	3/3	300	9.0	340	282	550	2
Sinar	APO Sinaron		300	9.0	264		1152	4
Kodak	Commercial Ektar		305	6.3	380		450	1
Goertz	Golden Dagor		305	6.8	427		750	1
Computar	F9	6/4	305	9.0	482	282	695	2
Schneider	G Claron	6/4	305	9.0	381		790	3
Schneider	G Claron	6/4	305	9.0	381	302	643	2
Kodak	Commercial Ektar		355	6.3	444		450	1
Goertz	Red Dot Artar		355	9.0	302		820	1
Schneider	G Claron	6/4	355	9.0	442	350	1022	2
Schneider	G Claron	6/4	355	9.0	444		1249	3
Schneider	Tele Xenar	4/2	360	5.5	230		1139	3
Schneider	Tele Xenar	4/2	360	5.5	230	210	1295	2
Nikkor	W	6/4	360	5.6	494		1399	3
Schneider	Symmar		360	5.6	500		1671	1
Fujinon	W		360	6.3	485		995	1
Calumet	Caltar II	6/4	360	6.8	435		1000	2
Calumet	Caltar SII		360	6.8	500		800	1
Rodenstock	Sironar		360	6.8	415		1450	1
Rodenstock	Sironar N	6/4	360	6.8	435		1849	3
Schneider	Apo Symmar	6/4	360	6.8	491		1899	3
Schneider	Symmar S MC	6/4	360	6.8	491	336	1985	2
Sinar	Sinaron S		360	6.8	435		2168	4
Nikkor	T ED	5/4	360	8.0	154	261		2
Nikkor	T ED	5/4	360	8.0	210		1549	3
Rodenstock	Apo Ronar		360	9.0	308		921	1
Rodenstock	Apo Ronar	4/4	360	9.0	318		1339	3
Rodenstock	Apo Ronar	4/4	360	9.0	318	351	1290	2
Schneider	Apo Artar	4/4	360	9.0	302	350		2
Sinar	APO Sinaron		360	9.0	318		1581	4
Fujinon	AS	6/4	360	10.0	504	359	1475	2
	Acutar		375	6.3	452		522	1
Calumet	Caltar		375	6.3	468		290	1
Fujinon	TS	5/5	400	8.0	220	260	1264	2
Fujinon	FS	3/3	420	5.6	500	413	642	2
Nikkor	M	4/3	450	9.0	440		970	3
Nikkor	M	4/3	450	9.0	440	436	1182	2
Schneider	Symmar S MC	6/4	480	6.8	500	455	3289	2
Schneider	Apo Symmar	6/4	480	8.0	500		2389	3
Rodenstock	Sironar N	6/4	480	8.4	500		2529	3
Rodenstock	Apo Ronar	4/4	480	9.0	396		1629	3
Sinar	APO Sinaron		480	9.0	396		1915	4
Sinar	Sinaron S		480	9.0	480		2933	4
Schneider	Apo Artar	4/4	480	11.0	409	477		2

Nikkor	T ED	6/4	500	11.0	210	1595	3
Nikkor	T ED	6/5	600	9.0	310	1879	3
Sinar	APO Sinaron DBM		600	9.0	496	3254	4
Fujinon	TS	5/5	600	12.0	260	384 1650	2
Nikkor	T ED	7/4	720	16.0	210	1729	3
Nikkor	T ED	7/5	800	12.0	310	1949	3

More information

For recent designs and prices as of January 2002, as well as more detailed data, see [Michael Davis' lists](#).

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