

## Lens\$db: Lens Price database

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Version 19 .2012-03-01

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See **Lens\$db.doc** for who, when, where, why, and how; this database tells you what and how much.

### Index of Spreadsheets

<b>i</b>	this information sheet
<b>EFp</b>	Canon EF prime lenses & extenders
<b>EFz</b>	Canon EF L series zoom lenses, plus a few others
<b>CZ.V</b>	Carl Zeiss ZE, C/Y and N, Voigtlander
<b>LNOP</b>	Leica-R, Nikon AI/S, Olympus, Pentax, and a few more
<b>STT</b>	Sigma, Tamron and Tokina
<b>M645</b>	Mamiya 645 medium format lenses, plus a few more
<b>XF</b>	Fujifilm X mount and compatible (limited selection of LM, LTM, & misc RF)
<b>compare</b>	unprotected page for "=" relationships with previous pages, for easy comparison of items.

### Notation - Spreadsheet Columns

<b>f</b>	focal length (mm)
<b>f/</b>	maximum aperture (lens wide open), $f/ = a.max = \text{minimum F-stop number}$ (e.g. f/1.4)
<b>f(1.6)</b>	equivalent focal length (mm) on a x1.6 crop factor body, e.g. Canon XTi, 400D, 30D, 40D
<b>mt</b>	EF is Canon AF, others are various manual focus mounts
<b>Dmin</b>	minimum focus distance (m)
<b>wt</b>	weight of lens (kg), not including caps
<b>L</b>	minimum length of lens (mm), usually at infinity focus
<b>D</b>	maximum diameter of lens (mm)
<b>Df</b>	filter diameter (mm), <b>rg</b> = rear gel, <b>bi</b> = built in, <b>di</b> = drop in
<b>E to E+</b>	price category for "Excellent" condition items
<b>M- to N</b>	price category for "near Mint" to "New" condition items

All spreadsheet pages except for "compare" are 'protected' so that they can't be modified, but you can select an entire page and paste it to a new spreadsheet of your own without protection.

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### Other online price lists:

see CollectiBlend, <http://collectiblend.com/Cameras/about.php>

### Data sources:

Canon lens specs are from Canon's Canada and US web sites for current and some recent products.

additional information was taken from a variety of places, including:

Canon: Tan Chung, [www.tanchung.com/canon/canonlensesmain.htm](http://www.tanchung.com/canon/canonlensesmain.htm)

Canon: Reptile Garden Photography, [www.rgarden.glandrake.com/index.html](http://www.rgarden.glandrake.com/index.html)

Canon: Eric's Photos [http://canid.com/canon\\_ef\\_lenses.html](http://canid.com/canon_ef_lenses.html)

Canon rangefinder lenses <http://www.huffman.tk/id25.html>

Canon rangefinder lenses [http://www.taunusreiter.de/Cameras/Canon\\_RF\\_2e.html](http://www.taunusreiter.de/Cameras/Canon_RF_2e.html)

Contax Carl Zeiss [www.zeiss.de](http://www.zeiss.de) and <http://www.contaxusa.com/lenses.asp?itemnum=132000>

Contax etc. Leonard Foo, Photography in Malaysia <http://mir.com.my/rb/photography/>

Leica R: CameraQuest <http://www.cameraquest.com>

Nikon Lens Specifications by Roland Vink <http://home19.inet.tele.dk/ne/nikon.htm>

Olympus: The Unofficial Olympus Sales Information File, <http://vanveluwen.nl/eSIF/>

Pentax K: Boz Dimitriov Pentax K-Mount site <http://www.bdimitrov.de/kmp/>

Pentax Takumar M42: Ashai Optical Historical Society, [www.aohc.it](http://www.aohc.it)

Voigtlander SL, LTM, LM: CameraQuest <http://cameraquest.com/inventor.htm>

Pentacon Six, Sch-K lenses, TRA <http://www.pentaconsix.com/Schneiderdata.htm>

f (mm)	f.Zone © J Colwell 2011
10 - 20	Ultra-Wide (UW)
20 - 28	Very Wide (VW)
28 - 40	Wide (W)
40 - 60	Normal (N)
60 - 100	Short Telephoto (ST)
100 - 210	Medium Telephoto (MT)
210 - 400	Long Telephoto (LT)
400 - 800	Super-Telephoto (SST)
800+	Extreme Telephoto (ET))

Canon EF Prime		f (mm)	f/ 1.6x	mt	MFD (m)	wt (kg)	L (mm)	D (mm)	Df (mm)	eBay				other suppliers						
										E to E+		M- to N		E to E+		M- to N				
										\$US	date	\$US	date	\$US	date	site	\$US	date	site	
Canon	EF 14/2.8 L USM	14	2.8	22	EF	0.3	0.56	89	77	rg	952	.11-05	1152	.11-11	1300	.12-01	keh	1480	.11-11	keh
Canon	EF 14/2.8 L II USM	14	2.8	22	EF	0.2	0.65	94	80	rg	1592	.12-02	1726	.12-02	1500	.12-02	camtec	2000	.11-11	ado
Canon	EF 15/2.8 (180/44)	15	2.8	24	EF	0.2	0.33	62	73	rg	531	.12-02	635	.12-02	751	.12-02	keh	751	.11-11	keh
Canon	TS-E 17/4 L	17	4	27	EF-M	0.3	0.82	107	89	x	1899	.11-11	2068	.12-02	1895	.11-12	LR	1950	.12-02	keh
Canon	EF 20/2.8 USM	20	2.8	32	EF	0.3	0.41	71	78	72	321	.12-02	369	.12-02	400	.12-02	keh	415	.11-11	keh
Canon	EF 24/1.4 L USM	24	1.4	38	EF	0.3	0.55	77	84	77	863	.12-02	1148	.12-02	1100	.12-01	ado	1270	.12-02	keh
Canon	EF 24/1.4 L II USM	24	1.4	38	EF	0.3	0.65	94	87	77	1315	.12-02	1586	.12-02	1100	.12-01	LR	1575	.11-10	ado
Canon	EF 24/2.8	24	2.8	38	EF	0.3	0.27	49	68	58	205	.12-02	274	.12-02	280	.12-01	b&h	330	.12-02	national
Canon	TS-E 24/3.5 L	24	3.5	38	EF-M	0.3	0.57	87	78	72	836	.12-01	1003	.12-01	1035	.12-02	keh	1170	.12-02	keh
Canon	TS-E 24/3.5 L II	24	3.5	38	EF-M	0.2	0.78	107	89	82	1500	.11-01	1868	.11-07	1580	.12-02	LR	1700	.12-02	keh
Canon	EF 28/1.8 USM	28	1.8	45	EF	0.3	0.31	56	74	58	363	.12-02	423	.12-02	450	.11-11	keh	425	.12-02	jack's
Canon	EF 28/2.8	28	2.8	45	EF	0.3	0.19	43	67	52	149	.12-02	213	.12-02	235	.12-02	keh	245	.11-10	keh
Canon	EF 35/1.4 L USM	35	1.4	56	EF	0.3	0.58	86	79	72	986	.12-01	1145	.12-02	1090	.12-02	LR	1225	.11-05	jack's
Canon	EF 35/2	35	2	56	EF	0.3	0.21	43	67	52	223	.12-02	289	.12-02	300	.12-01	keh	310	.11-11	keh
Canon	TS-E 45/2.8	45	2.8	72	EF-M	0.4	0.65	90	81	72	879	.12-02	1050	.11-10	1115	.11-11	ado	1120	.12-02	keh
Canon	EF 50/1.0 L USM	50	1	80	EF	0.6	0.99	82	92	72	2622	.11-03	3920	.11-08	3960	.12-02	keh	4500	.12-02	b&h
Canon	EF 50/1.2 L USM	50	1.2	80	EF	0.5	0.55	65	85	72	1229	.12-02	1441	.12-02	1125	.12-01	LR	1300	.12-01	ado
Canon	EF 50/1.4 USM	50	1.4	80	EF	0.5	0.29	51	74	58	305	.12-02	369	.12-02	350	.12-02	keh	325	.12-01	camW
Canon	EF 50/1.8	50	1.8	80	EF	0.5	0.19	43	67	52	149	.12-02	182	.12-02	190	.12-02	keh	215	.12-01	keh
Canon	EF 50/1.8 II	50	1.8	80	EF	0.5	0.15	41	68	52	103	.12-02	118	.12-02	75	.12-01	b&h	115	.12-02	keh
Canon	EF 50/2.5 Compact-Macro	50	2.5	80	EF	0.2	0.28	63	68	52	184	.12-01	225	.12-02	200	.12-02	b&h	245	.11-11	jack's
Canon	Lifefsize Converter	x	x	x	EF	x	0.16	35	68	x	154	.11-03	194	.12-02	220	.11-10	keh			
Canon	EF-S 60/2.8 Macro	60	2.8	96	EF-S	0.2	0.34	73	70	52	276	.12-01	361	.12-02	320	.12-01	LR	390	.12-01	ado
Canon	MP-E 65/2.8 Macro Photo	65	2.8	104	EF-M	0.2	0.73	98	61	58	574	.10-05	804	.12-02	725	.11-11	keh	770	.12-01	b&h
Canon	EF 85/1.2 L USM	85	1.2	136	EF	1.0	1.03	84	92	72	1157	.12-01	1464	.12-02	1480	.12-02	keh	1600	.12-01	keh
Canon	EF 85/1.2 L II USM	85	1.2	136	EF	1.0	1.03	84	92	72	1248	.12-01	1699	.12-02	1495	.12-02	LR	1600	.12-01	ado
Canon	EF 85/1.8 USM	85	1.8	136	EF	0.9	0.43	72	75	58	309	.12-02	343	.12-02	320	.12-01	LR	350	.11-10	camW
Canon	TS-E 90/2.8	90	2.8	144	EF-M	0.4	0.57	88	74	58	795	.11-11	938	.11-11	995	.12-02	LR	1035	.12-02	keh
Canon	EF 100/2.0 USM	100	2	160	EF	0.9	0.46	74	75	58	298	.12-02	352	.12-02	380	.11-10	keh	415	.11-10	keh
Canon	EF 100/2.8 Macro	100	2.8	160	EF	0.3	0.60	119	79	58	303	.12-02	381	.12-01	380	.12-02	keh	400	.12-02	bergen
Canon	EF 100/2.8 Macro USM	100	2.8	160	EF	0.3	0.60	119	79	58	382	.12-01	447	.12-02	430	.12-01	LR	450	.12-02	keh
Canon	EF 100/2.8 L IS Macro USM	100	2.8	160	EF	0.3	0.63	123	78	67	825	.12-01	937	.12-01	780	.12-02	LR	895	.12-02	jack's

Canon EF Prime		f (mm)	f/ 1.6x	mt	MFD (m)	wt (kg)	L (mm)	D (mm)	Df (mm)	eBay				other suppliers							
										E to E+		M- to N		E to E+		M- to N					
										\$US	date	\$US	date	\$US	date	site	\$US	date	site		
Canon	EF 135/2 L USM	135	2	216	EF	0.9	0.75	112	83	72	774	.12-02	906	.12-02	810	.12-01	LR	850	.11-11	b&h	
Canon	EF 135/2.8 Soft	135	2.8	216	EF	1.3	0.39	98	69	52	195	.11-10	286	.12-02	275	.12-01	keh	375	.12-02	igor	
Canon	EF 180/3.5 L Macro USM	180	3.5	288	EF	0.5	1.09	187	83	72	869	.12-02	1132	.12-01	1000	.12-02	keh	1045	.12-02	jack's	
Canon	EF 200/1.8 L USM	200	1.8	320	EF	2.5	3.00	208	130	48 di	3207	.12-01	4014	.12-02	3450	.11-10	ado	3960	.11-01	keh	
Canon	EF 200/2 L IS USM	200	2	320	EF	1.9	2.50	208	128	52 di	4325	.10-12	4808	.12-02	4250	.12-01	LR	5000	.10-10	keh	
Canon	EF 200/2.8 L USM	200	2.8	320	EF	1.5	0.79	136	83	72	460	.11-05	584	.12-02	665	.12-01	keh				
Canon	EF 200/2.8 L II USM	200	2.8	320	EF	1.5	0.77	136	83	72	542	.12-02	645	.12-02	600	.12-02	LR	675	.12-02	camW	
Canon	EF 300/2.8 L USM	300	2.8	480	EF	3.0	2.86	253	125	48 di	2175	.12-02	2742	.11-10	3520	.12-02	keh	4200	.12-02	keh	
Canon	EF 300/2.8 L IS USM	300	2.8	480	EF	2.5	2.55	252	128	52 di	3587	.12-01	3995	.12-02	3990	.12-02	LR	5200	.12-02	keh	
Canon	EF 300/2.8 L IS II USM	300	2.8	480	EF	2.0	2.35	248	128	52 di	0		0					<b>7300</b>	.11-08	b&h	
Canon	EF 300/4 L USM	300	4	480	EF	2.5	1.17	214	90	77	614	.12-01	787	.12-02	850	.12-02	keh	1080	.11-10	keh	
Canon	EF 300/4 L IS USM	300	4	480	EF	1.5	1.19	221	90	77	879	.12-02	997	.12-02	1000	.12-02	b&h	1120	.12-02	keh	
Canon	EF 400/2.8 L USM	400	2.8	640	EF	4.0	6.10	348	167	48 di	3021	.12-02	4017	.11-04	4800	.12-02	keh				
Canon	EF 400/2.8 L II USM	400	2.8	640	EF	4.0	5.91	348	167	48 di	3614	.12-01	4635	.11-07	5000	.10-09	keh				
Canon	EF 400/2.8 L IS USM	400	2.8	640	EF	3.0	5.37	349	163	52 di	5378	.12-01	6353	.11-12	7200	.12-02	keh	7200	.11-10	ado	
Canon	EF 400/2.8 L IS II USM	400	2.8	640	EF	2.7	3.85	343	163	52 di	0		0					<b>11500</b>	.11-08	b&h	
Canon	EF 400/4 DO IS USM	400	4	640	EF	3.5	1.94	233	128	52 di	3879	.11-11	4384	.12-02	4250	.12-01	LR	4950	.12-01	ado	
Canon	EF 400/5.6 L USM	400	5.6	640	EF	3.5	1.25	257	90	77	924	.12-02	1014	.12-02	1000	.12-02	keh	1225	.12-02	camW	
Canon	EF 500/4 L IS USM	500	4	800	EF	4.5	3.87	387	146	52 di	4552	.12-02	5741	.12-02	5000	.10-10	keh	6195	.12-01	camW	
Canon	EF 500/4 L IS II USM	500	4	800	EF	3.7	3.19	383	146	52 di	0		0					<b>10500</b>	.11-08	b&h	
Canon	EF 500/4.5 L USM	500	4.5	800	EF	5.0	3.00	390	130	48 di	2921	.12-02	4162	.11-10	4300	.10-05	keh	4460	.12-02	keh	
Canon	EF 600/4 L USM	600	4	960	EF	6.0	6.00	456	167	48 di	3547	.12-02	4912	.12-02	4300	.11-01	keh	5295	.11-11	jack's	
Canon	EF 600/4 L IS USM	600	4	960	EF	5.5	5.36	456	168	52 di	5615	.11-02	7550	.12-02	6900	.12-02	LR				
Canon	EF 600/4 L IS II USM	600	4	960	EF	4.5	3.92	350 mmr	168	52 di	0		0					<b>13000</b>	.11-08	b&h	
Canon	EF 800/5.6 L IS USM	800	5.6	1280	EF	6.0	4.50	461	162	52 di	9169	.11-04	10400	.11-10				<b>14000</b>	.11-08	b&h	
Canon	EF 1200/5.6 L USM	1200	5.6	1920	EF	14.0	16.50	836	228	48 di	0		0		120k	.10-05	b&h				
<b>EF Extenders (teleconverters)</b>																					
Canon	Extender EF 1.4x	x1.4	x1.4	x1.4	EF		0.20	27	73		165	.11-10	212	.12-02	230	.11-10	bergen	235	.09-03	keh	
Canon	Extender EF 1.4x II	x1.4	x1.4	x1.4	EF		0.22	27	73		198	.12-02	235	.12-02	190	.12-01	ado	250	.12-02	bergen	
Canon	Extender EF 1.4x III	x1.4	x1.4	x1.4	EF		0.23	27	73		399	.12-01	<b>462</b>	.12-02							
Canon	Extender EF 2x	x2	x2	x2	EF		0.24	51			124	.12-02	237	.11-05	175	.10-02	igor	200	.12-01	ado	
Canon	Extender EF 2x II	x2	x2	x2	EF		0.27	58	72		198	.11-12	243	.12-02	220	.12-01	LR	325	.12-02	camW	
Canon	Extender EF 2x III	x2	x2	x2	EF		0.33	53	72		430	.12-02	<b>493</b>	.11-12							

Canon EF Zoom	f (mm)	f/ (mm)	1.6x (mm)	mt	MFD (m)	wt (kg)	L (mm)	D (mm)	Df (mm)	eBay				other suppliers					
										E to E+		M- to N		E to E+			M- to N		
										\$US	date	\$US	date	\$US	date	site	\$US	date	site
Canon EF 16-35/2.8 L USM	16-35	2.8	26-56	EF	0.3	0.60	103	84	77	901	.12-02	1128	.12-02	1070	.12-02	b&h	1220	.12-02	keh
Canon EF 16-35/2.8 L II USM	16-35	2.8	26-56	EF	0.3	0.64	112	88	82	1172	.12-02	1293	.12-02	1200	.12-02	LR	1545	.11-10	camW
Canon EF 17-35/2.8 L USM	17-35	2.8	27-56	EF	0.4	0.55	96	84	77	558	.12-02	741	.12-02	890	.12-02	keh	1035	.12-02	keh
Canon EF 17-40/4 L USM	17-40	4	27-64	EF	0.3	0.50	97	84	77	551	.12-02	645	.12-02	545	.12-01	LR	675	.12-02	camW
Canon EF 20-35/2.8 L USM	20-35	2.8	32-56	EF	0.5	0.54	79	89	72	443	.12-01	586	.12-02	790	.12-02	keh	850	.12-01	keh
Canon EF 24-70/2.8 L USM	24-70	2.8	38-110	EF	0.4	0.95	124	83	77	945	.12-02	1108	.12-02	995	.12-02	LR	1250	.12-02	camW
Canon EF 24-70/2.8 L II USM	24-70	2.8	38-110	EF	0.4	0.80	112	89	82	0		0							
Canon EF 24-105/4 L IS USM	24-105	4	38-168	EF	0.5	0.67	107	84	77	758	.12-02	898	.12-02	745	.12-02	igor	950	.12-01	ado
Canon EF 28-70/2.8 L USM	28-70	2.8	45-110	EF	0.5	0.88	118	83	77	735	.12-02	867	.12-02	790	.12-02	keh	850	.12-02	camtec
Canon EF 28-80/2.8-4 L USM	28-80	2.8-4	45-128	EF	0.3	0.95	120	84	72	464	.12-02	572	.12-01	695	.12-02	keh	800	.10-05	ado
Canon EF 70-200/2.8 L USM	70-200	2.8	110-320	EF	1.5	1.31	194	85	77	898	.12-02	1066	.12-02	990	.12-01	b&h	1200	.12-02	keh
Canon EF 70-200/2.8 L IS USM	70-200	2.8	110-320	EF	1.4	1.59	197	86	77	1270	.12-02	1489	.12-02	1445	.12-02	camtec	1600	.12-01	b&h
Canon EF 70-200/2.8 L IS II USM	70-200	2.8	110-320	EF	1.2	1.49	199	89	77	1951	.12-02	2120	.12-02	1750	.12-01	b&h	2290	.11-10	keh
Canon EF 70-200/4 L USM	70-200	4	110-320	EF	1.2	0.71	173	77	67	475	.12-02	575	.12-02	500	.12-02	LR	595	.11-10	camW
Canon EF 70-200/4 L IS USM	70-200	4	110-320	EF	1.2	0.76	172	76	67	811	.12-02	952	.12-02	895	.12-02	LR	970	.12-01	b&h
Canon EF 80-200/2.8 L	80-200	2.8	128-320	EF	1.8	1.33	186	84	72	721	.12-02	807	.11-10	820	.12-02	keh			
Canon EF 200-400/4 L IS 1.4x	200-400	4, 5.6	280-560	EF	1.8	2.40	260	130		0		0					9650		
Canon EF 8-15mm f/4L Fisheye USM	8-15	4	13-24	EF	0.2	0.54	83	79	x	1260	.11-11	<b>1324</b>	.12-02				1350	.12-01	jack's
Canon EF 28-300/3.5-5.6 L IS USM	28-300	3.5-5.6	45-420	EF	0.7	1.67	184	92	77	1897	.11-11	1988	.12-02	1950	.11-11	keh	2100	.12-02	b&h
Canon EF 35-350/3.5-5.6 L USM	35-350	3.5-5.6	56-560	EF	0.6	1.39	167	85	72	894	.11-10	1180.6	.12-02	1270	.12-02	keh	1275	.11-11	camW
Canon EF 50-200/3.5-4.5 L	50-200	3.5-4.5	80-320	EF	1.2	0.70	146	76	58	397	.12-02	540	.12-02	484	.09-02	keh	500	.09-02	keh
Canon EF 70-300/4-5.6L IS USM	70-300	4-5.6	110-420	EF	1.2	1.05	143	89	67	1265	.11-10	1327	.12-01				1345	.12-02	jack's
Canon EF 100-300/5.6 L	100-300	5.6	160-420	EF	1.5	0.70	167	75	58	308	.12-02	369	.12-02	325	.12-02	keh	375	.12-02	camW
Canon EF 100-400/4.5-5.6 L IS USM	100-400	4.5-5.6	160-640	EF	1.8	1.38	189	92	77	1140	.12-02	1336	.12-02	1150	.12-01	LR	1225	.12-02	igor
Canon EF-S 10-22/3.5-4.5 USM	10-22	3.5-4.5	16-35	EF-S	0.2	0.39	90	84	77	609	.12-02	724	.12-02	500	.12-01	bergen	600	.12-01	b&h
Canon EF-S 15-85/3.5-5.6 IS USM	15-85	3.5-5.6	24-135	EF-S	0.4	0.58	88	82	72	583	.12-02	629	.12-02	650	.11-10	ado	690	.11-10	ado
Canon EF-S 17-55/2.8 IS USM	17-55	2.8	27-88	EF-S	0.4	0.65	110	84	77	785	.12-02	875	.12-02	875	.12-02	camtec	920	.12-01	keh
Canon EF 28-135/3.5-5.6 IS USM	28-135	3.5-5.6	45-215	EF	0.5	0.54	97	78	72	212	.12-02	291	.12-01	260	.12-02	national	280	.11-11	bergen
Canon EF 70-300/4-5.6 IS USM	70-300	4-5.6	110-420	EF	1.5	0.63	143	76	58	339	.12-02	410	.12-02	400	.12-02	keh	430	.12-02	keh
Canon EF 70-300/4.5-5.6 DO IS USM	70-300	4.5-5.6	110-420	EF	1.4	0.72	100	82	58	639	.12-02	841	.12-02	795	.12-02	LR	890	.12-01	keh

											eBay		other suppliers								
f	f/	1.6x	mt	MFD	wt	L	D	Df	E to E+		M- to N		E to E+		M- to N						
(mm)				(m)	(kg)	(mm)	(mm)	(mm)	\$US	date	\$US	date	\$US	date	site	\$US	date	site			
<b>Carl Zeiss ZE manual focus for Canon EOS</b>																					
Carl Zeiss	Distagon T*	18/3.5 ZE	18	3.5	29	EF-M	0.3	0.47	84	87	82	0	1013	.11-12	1100	.11-01	b&h	<b>1395</b>	.12-02	camtec	
Carl Zeiss	Distagon T*	21/2.8 ZE	21	2.8	34	EF-M	0.2	0.72	109	87	82	1308	.11-12	1533	.11-12	1490	.12-02	LR	<b>1830</b>	.12-02	camtec
Carl Zeiss	Distagon T*	25/2 ZE	25	2	40	EF-M	0.3	0.60	98	73	67								<b>1695</b>	.12-02	camtec
Carl Zeiss	Distagon T*	25/2.8 ZE	25	2.8	40	EF-M	0.2	0.48	66	65	58	0	<b>860</b>	.10-05	850	.11-01	b&h	<b>950</b>	.10-11	b&h	
Carl Zeiss	Distagon T*	28/2 ZE	28	2	45	EF-M	0.2	0.52	93	64	58	785	.11-10	906	.12-01	975	.12-02	LR	<b>1280</b>	.12-02	camtec
Carl Zeiss	Distagon T*	35/1.4 ZE	35	1.4	56	EF-M	0.3	0.85	120	78	72	0	0						<b>1840</b>	.12-02	camtec
Carl Zeiss	Distagon T*	35/2 ZE	35	2	56	EF-M	0.3	0.53	73	65	58	775	.11-12	867	.11-10	830	.12-01	LR	990	.12-02	LR
Carl Zeiss	Planar T*	50/1.4 ZE	50	1.4	80	EF-M	0.5	0.35	69	66	58	577	.12-02	<b>645</b>	.12-02	590	.12-02	LR	<b>725</b>	.12-02	camtec
Carl Zeiss	Makro-Planar T*	50/2 ZE [1:2]	50	2	80	EF-M	0.2	0.53	88	72	67	0	1036	.12-02	895	.12-02	LR	1120	.12-02	keh	
Carl Zeiss	Planar T*	85/1.4 ZE	85	1.4	136	EF-M	1.0	0.70	85	78	72	892	.12-01	1000	.12-02	950	.12-02	LR	<b>1280</b>	.12-02	camtec
Carl Zeiss	Makro-Planar T*	100/2 ZE [1:2]	100	2	160	EF-M	0.4	0.68	113	76	67	1374	.12-01	1703	.12-01	1560	.12-01	LR	<b>1840</b>	.12-02	cam
<b>Carl Zeiss Contax (Contax/Yashica, C/Y), manual focus</b>																					
Carl Zeiss	Distagon T*	15/3.5 [x]	15	3.5	24	CY	0.2	0.88	94	84	bi	1684	.11-04	2295	.09-09	1500	.09-12	b&h	<b>3600</b>	.12-02	kevin
Carl Zeiss	F-Distagon	16/2.8 fe	16	2.8	26	CY	0.3	0.46	62	70	bi	980	.12-01	1280	.12-01	900	.10-05	ado	1500	.12-02	kevin
Carl Zeiss	Distagon T*	18/4 [x]	18	4	29	CY	0.3	0.35	52	70	co	598	.11-11	690	.12-02	750	.12-02	kevin	960	.11-04	keh
Carl Zeiss	Distagon T*	21/2.8	21	2.8	34	CY	0.2	0.53	91	85	82	1348	.11-05	1674	.11-03	1480	.11-04	keh	1800	.10-02	keh
Carl Zeiss	Distagon T*	25/2.8	25	2.8	40	CY	0.3	0.36	56	63	55	420	.12-01	512	.12-01	325	.11-06	v.v	650	.12-02	kevin
Carl Zeiss	Distagon T*	28/2	28	2	45	CY	0.2	0.53	76	63	55	699	.11-04	976	.12-02	750	.12-02	kevin	1400	.12-02	kevin
Carl Zeiss	Distagon T*	28/2.8	28	2.8	45	CY	0.3	0.28	50	63	55	276	.11-11	386	.12-02	465	.12-02	keh	570	.12-02	keh
Carl Zeiss	Distagon T*	35/1.4	35	1.4	56	CY	0.3	0.60	76	70	67	919	.12-02	1349	.12-02	1375	.11-11	jack's	1950	.12-02	kevin
Carl Zeiss	Distagon T*	35/2.8	35	2.8	56	CY	0.4	0.24	46	63	55	241	.12-02	336	.12-01	340	.12-02	keh	340	.11-05	keh
Carl Zeiss	PC Distagon T*	35/2.8	35	2.8	56	CY	0.3	0.74	86	70	70co	935	.11-10	1424	.11-10	1800	.12-02	keh			
Carl Zeiss	Tessar T*	45/2.8	45	2.8	72	CY	0.6	0.09	18	58	49	164	.12-01	278	.12-02	265	.12-02	keh	310	.12-02	keh
Carl Zeiss	Planar T*	50/1.4	50	1.4	80	CY	0.5	0.29	41	63	55	277	.12-02	359	.12-02	380	.12-02	keh	500	.12-02	kevin
Carl Zeiss	Planar T*	50/1.7	50	1.7	80	CY	0.6	0.19	36	59	55	137	.12-02	211	.12-02	150	.12-02	b&h	250	.12-02	b&h
Carl Zeiss	Planar T*	55/1.2	55	1.2	88	CY	0.6	0.50	60	80	77	0	0		6000	.11-11	b&h	8000	.12-02	kevin	
Carl Zeiss	Macro-Planar T*	60/2.8 S [1:1]	60	2.8	96	CY	0.1	0.57	74	76	67	433	.12-01	574	.12-01	700	.12-01	b&h	650	.10-09	kevin
Carl Zeiss	Macro-Planar T*	60/2.8 C [1:2]	60	2.8	96	CY	0.3	0.27	52	65	55	490	.10-09	573	.11-10	600	.12-02	kevin	700	.12-02	kevin
Carl Zeiss	Planar T*	85/1.2	85	1.2	136	CY	1.0	0.87	73	80	77	2471	.11-05	3425	.12-01						
Carl Zeiss	Planar T*	85/1.4	85	1.4	136	CY	1.0	0.60	64	70	67	556	.12-01	742	.12-02	725	.12-02	keh	750	.12-02	kevin
Carl Zeiss	Sonnar T*	85/2.8	85	2.8	136	CY	1.0	0.23	47	61	55	186	.11-08	328	.12-01	350	.12-01	keh	450	.11-10	keh
Carl Zeiss	Planar T*	100/2	100	2	160	CY	1.0	0.67	84	70	67	781	.11-08	1036	.12-02				950	.10-09	kevin
Carl Zeiss	Makro-Planar T*	100/2.8 [1:1]	100	2.8	160	CY	0.5	0.74	87	76	67	723	.12-02	994	.12-02	751	.11-04	keh	1000	.12-02	b&h
Carl Zeiss	S-Planar	100/4 (bellows)	100	4	160	CY	x	0.28	49	63	55	0	0								
Carl Zeiss	Sonnar T*	100/3.5	100	3.5	160	CY	1.0	0.29	61	63	55	224	.09-04	325	.11-11	425	.12-02	kevin	525	.12-02	kevin
Carl Zeiss	Planar T*	135/2	135	2	216	CY	1.5	0.79	101	75	72	965	.11-10	1149	.11-03	1550	.12-02	kevin	1800	.12-02	kevin
Carl Zeiss	Sonnar T*	135/2.8	135	2.8	216	CY	1.6	0.59	93	69	55	232	.12-02	325	.12-02	200	.12-02	keh	300	.12-02	kevin

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df	E to E+		M- to N		E to E+		M- to N					
(mm)				(m)	(kg)	(mm)	(mm)	(mm)	\$US	date	\$US	date	\$US	date	site	\$US	date	site		
<b>Carl Zeiss Contax (Contax/Yashica, C/Y), manual focus</b>																				
Carl Zeiss	Sonnar T* 180/2.8	180	2.8	288	CY	1.4	0.99	131	82	72	355	.11-05	472	.11-10	450	.12-02	keh	560	.12-02	keh
Carl Zeiss	Sonnar T* 180/2.8 MM	180	2.8	288	CY	1.4	0.82	131	78	72	0		480	.12-02	400	.12-02	keh	616	.12-02	keh
Carl Zeiss	Aposonnar T* 200/2	200	2	320	CY	1.8	2.60	182	123	111	0		4987	.09-05						
Carl Zeiss	Tele-Tessar T* 200/3.5	200	3.5	320	CY	1.8	0.78	122	78	67	211	.11-12	273	.09-07	200	.12-01	bergen	350	.12-01	v.v
Carl Zeiss	Tele-Tessar T* 200/4	200	4	320	CY		0.55			55	172	.11-12	257	.11-08	235	.11-05	keh	235	.09-02	keh
Carl Zeiss	Tele-Apotessar T* 300/2.8	300	2.8	480	CY	3.5	2.73	244	120	111	0		0							
Carl Zeiss	Tele-Tessar T* 300/4	300	4	480	CY	3.5	1.20	205	88	82	383	.11-10	591	.10-09	395	.12-01	v.v	850	.12-02	kevin
Carl Zeiss	Tele-Apotessar T* 500/5.6	500	5.6	800	CY	4.9	1.87	290	112	c.o.	0		0							
Carl Zeiss	Tele-Apotessar T* 800/8	800	8	1280	CY	4.0	3.25	505	129	c.o.	0		0							
Carl Zeiss	vSonnar T* 28-70/3.3-4	28-70	3.5-4.5	45-112	CY	0.5	0.32	68	70	67	204	.11-04	317	.12-01	275	.11-11	keh			
Carl Zeiss	vSonnar T* 28-85/3.3-4	28-85	3.3-4	45-136	CY	0.6	0.74	99	86	82	379	.11-11	486	.12-02	465	.12-02	keh	600	.12-02	kevin
Carl Zeiss	vSonnar T* 35-70/3.4	35-70	3.4	56-112	CY	0.3	0.48	81	70	67	417	.12-02	568	.12-01	600	.12-02	b&h			
Carl Zeiss	vSonnar T* 35-135/3.3-4.5	35-135	3.3-4	56-215	CY	0.3	0.74	107	85	82	725	.11-03	881	.11-10	800	.12-02	b&h	1500	.12-02	kevin
Carl Zeiss	vSonnar T* 40-80/3.5	40-80	3.5	64-128	CY	1.2	0.66	87	67	55	202	.12-02	248	.12-02	350	.12-02	keh	400	.12-02	kevin
Carl Zeiss	vSonnar T* 70-210mm f/3.5	70-210	3.5	112-336	CY	1.8	1.15	186	77	67	880	.11-04	1102	.12-02	1035	.12-01	keh	2300	.12-02	kevin
Carl Zeiss	vSonnar T* 80-200mm f/4	80-200	4	128-320	CY	1.0	0.68	161	67	55	234	.12-02	290	.12-02	300	.12-02	keh	450	.12-02	kevin
Carl Zeiss	vSonnar T* 100-300/4.5-5.6	100-300	4.5-5.6	160-420	CY	1.5	0.93	143	70	67	698	.10-10	918	.12-01	1080	.12-02	keh	1270	.12-02	keh
<b>Carl Zeiss Contax N autofocus</b>																				
Carl Zeiss	Planar T* 50/1.4 N	50	1.4	80	N	0.5	0.31	55	80	67	583	.11-12	639	.11-08	525	.11-01	keh	616	.11-01	keh
Carl Zeiss	Planar T* 85/1.4 N	85	1.4	136	N	0.8	0.80	80	90	82	0		1417	.12-01	1170	.09-08	keh	1270	.09-09	keh
Carl Zeiss	Makro-Sonnar T* 100/2.8	100	2.8	160	N	0.3	0.96	130	86	72	0		612	.12-02	725	.11-01	keh			
Carl Zeiss	Tele-Apotessar T* 400/4 N	400	4	640	N	2.9	3.58	290	120	d.i.	2850	.09-09	3745	.12-02						
Carl Zeiss	vSonnar T* 17-35/2.8 N	17-35	2.8	27-56	N	0.5	0.90	96	102	95	0		1376	.10-07	1480	.09-09	keh			
Carl Zeiss	vSonnar T* 17-35/2.8 N	17-35	2.8	27-56	EF	0.5	0.90	96	102	95	0		2152	.11-05						
Carl Zeiss	vSonnar T* 24-85 N	24-85	3.5-4.5	38-136	EF						465	.12-01	1285	.10-09	500	.12-01	ado	550	.12-01	ado
Carl Zeiss	vSonnar T* 70-300/4-5.6 N	70-300	4-5.6	112-420	N						324	.12-02	435	.12-01	310	.12-02	b&h	550	.11-11	b&h
<b>Carl Zeiss Jena manual focus (no zebras)</b>																				
Zeiss Jena	Flektogon 20/2.8 black	20	2.8	32	M42	0.2	0.31	47	74	67	361	.12-01	441	.12-01						
Zeiss Jena	Flektogon 20/4 black	20	4	32	M42	0.2	0.34	49	83	77	280	.12-01	300	.11-03						
Zeiss Jena	Flektogon 35/2.4 MC black	35	2.4	56	M42	0.2	0.25	52	64	49	243	.12-02	323	.12-02						
Zeiss Jena	Pancolar MC 50/1.4	50	1.4	80	M42						0		418	.11-05						
Zeiss Jena	Pancolar MC 50/1.8	50	1.8	80	M42	0.3	0.20	39	84	49	122	.12-02	186	.12-02						
Zeiss Jena	Pancolar MC 80/1.8	80	1.8	128	M42	0.4					397	.11-06	495	.12-02						
Zeiss Jena	MC bk	135	3.5	216	M42	1.0	0.38	82	65	49	130	.12-02	188	.12-02						
Zeiss Jena	Sonnar MC [5;3]	180	2.8	288	M42	2.2	1.10	146	100	86	223	.10-05	315	.10-09	245	.09-05	v.v			
Zeiss Jena	Sonnar MC [6;4]	200	2.8	320	M42	2.2	1.20	146		77	132	.10-09	367	.12-01						
Zeiss Jena	Sonnar MC [6;4]	300	4.0	480	M42						0		161	.11-05						

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df	E to E+		M- to N		E to E+		M- to N					
(mm)				(m)	(kg)	(mm)	(mm)	(mm)	\$US	date	\$US	date	\$US	date	site	\$US	date	site		
<b>Voigtlander 35mm manual focus</b>																				
Voigtlander	20/3.5 Color Skopar Asp SL II	20	3.5	32	x	0.2	0.20	29	63	52	359	.11-03	452	.12-02		<b>544</b>	.11-05	camtec		
Voigtlander	20/3.5 Color Skopar Asp SL II	20	3.5	32	EF-M	0.2	0.20	29	63	52	0		446	.12-02		<b>544</b>	.11-05	camtec		
Voigtlander	35/2.8 Color Skoparex SL	35	2.8	56	M42						227	.12-01	0							
Voigtlander	40/2 Ultron Asp SL II	40	2	64	x	0.4	0.20	25	63	52	345	.12-02	419	.12-02	260	.11-01	b&h	<b>435</b>	.11-05	camtec
Voigtlander	40/2 Ultron Asp SL II	40	2	64	EF-M	0.4	0.20	23	64	52	334	.11-11	500	.12-02	260	.11-01	b&h	<b>435</b>	.11-05	camtec
Voigtlander	50/1.8 Color Ultron SL	50	1.8	80	x						117	.12-02	253	.11-11						
Voigtlander	58/1.4 Nokton SL-II	58	1.4	93	F	0.5	0.32	48	64	58	290	.11-01	396	.12-01				<b>449</b>	.11-05	camtec
Voigtlander	75/1.8 Heliar Classic	75	1.8	120	EF-M		0.42	57	71	58										
Voigtlander	75/2.5 Color Heliar SL	75	2.5	120	x	0.7	0.25	40	64	49	416	.11-10	719	.11-12						
Voigtlander	90/3.5 Apo-Lanthar CF SL	90	3.5	144	x	0.5	0.39	58	64	49	295	.10-08	462	.12-02	265	.09-12	jack's	<b>599</b>	.11-05	camQ
Voigtlander	90/3.5 Apo-Lanthar CF SL II	90	3.5	144	EF-M	0.5	0.32	48	63	52	0		<b>549</b>	.11-11				<b>597</b>	.12-01	camtec
Voigtlander	125/2.5 Apo-Lanthar Macro SL	125	2.5	200	x	0.4	0.69	88	76	58	780	.09-04	2354	.12-02	2450	.12-01	ado			
Voigtlander	125/2.5 Apo-Lanthar Macro SL	125	2.5	200	EF-M	0.4	0.69	88	76	58	0		1870	.11-10						
Voigtlander	180/4 Apo-Lanthar CF SL	180	4	288	x	1.2	0.49	79	66	49	587	.11-08	994	.11-10						
<b>Schneider-Kreuznach 35mm manual focus</b>																				
Schneider	PC Super-Angulon 28/2.8 shift	28	2.8	45	x	0.3	0.57	87	75	67	0		1122	.12-02	1700	.12-01	ado	1895	.12-01	camW
Schneider	Rollei 35/2.8 SL 35	35	2.8	56	QBM						112	.09-09	0					<b>800</b>	.12-01	ado
Schneider	PA-Curtagon 35/4 Shift	35	4	56	x						364	.11-03	467	.11-11	549	.12-02	tamark	695	.12-01	igor

		f	f/	1.6x	mt	MFD	wt	L	D	Df	eBay				other suppliers					
		(mm)				(m)	(kg)	(mm)	(mm)	(mm)	E to E+		M- to N		E to E+		M- to N			
											\$US	date	\$US	date	\$US	date	site	\$US	date	site
<b>Leica-R manual focus 2-cam, 3-cam, ROM</b>																				
Leica **	Super-Elmar-R 15/3,5 [x]	15	3.5	24	LR	0.2	0.71	84	84	b.i.	2241	.11-11	3365	.11-10	1795	.12-02	tamark			
Leica	Fisheye-Elmarit-R	16	2.8		LR	0.3					470	.11-03	826	.11-05	995	.12-01	camW	595	.11-11	v.v
Leica	Elmarit R Super-W 19/2.8 [x]	19	2.8	30	LR	0.3	0.59	71	61	b.i.	1090	.12-01	1589	.12-01	1700	.12-01	b&h	1900	.12-02	keh
Leica	Super Angulon R 21mm f/4	21	4	34	LR						707	.11-11	856	.11-10	495	.12-02	tamark	845	.12-02	camW
Leica	Elmarit R 24/2.8	24	2.8	38	LR	0.3	0.40				458	.12-01	586	.12-01	595	.12-01	igor	895	.12-02	tamark
Leica	Elmarit R 24/2.8 ROM	24	2.8	38	LR						0		800	.11-11	920	.12-01	keh	710	.11-10	igor
Leica	Elmarit-R 28/2.8 E55	28	2.8	45	LR	0.3	0.44	48	68	55	426	.12-02	641	.12-01	695	.12-02	tamark			
Leica	Elmarit-R 28/2.8 E55 pre-ROM	28	2.8	45	LR	0.3	0.44	48	68	55	0	.10-05	1291	.11-10		.10-02	igor			
Leica	Elmarit-R 28/2.8 ROM	28	2.8	45	LR	0.3	0.44	48	68	55	935	.11-03	1462	.11-10	1650	.11-10	ado			
Leica	PC-Super-Angulon 28/2.8 shift	28	2.8	45	LR						1151	.11-12	1756	.10-09	1495	.12-02	tamark	1895	.12-02	camW
Leica	Sumilux-R 35/1.4	35	1.4	56	LR	0.5	0.69	76	75	67	933	.11-01	1511	.11-08	1400	.09-12	b&h	1825	.10-05	igor
Leica	Sumilux-R 35/1.4 ROM	35	1.4	56	LR						1935	.11-11	2871	.11-11				2995	.11-11	camW
Leica	Summicron-R 35/2 3cam	35	2	56	LR	0.3	0.43	54	66	55	613	.12-01	914	.11-10	550	.09-12	bergen	595	.10-01	bklyn
Leica	Summicron-R 35/2 E55	35	2	56	LR	0.3	0.43	54	66	55	1023	.11-10	1115	.11-10	1095	.12-02	tamark			
Leica	Summicron-R 35/2 ROM	35	2	56	LR						0		1813	.12-02				995	.09-10	camW
Leica	Elmarit R-35/2.8 II h-lugs	35	2.8	56	LR	0.3	0.41	40	63	VII	357	.11-11	474	.12-02	295	.11-10	v.v	595	.12-02	tamark
Leica	Elmarit R-35/2.8 III E55 h-bi	35	2.8	56	LR	0.3	0.31	42	66	55	254	.11-10	529	.11-10	616	.11-10	keh	600	.12-02	collect
Leica	Summilux-R 50/1.4 E55 h-bi	50	1.4	80	LR	0.5	0.49	51	70	60	528	.11-10	1044	.12-01	595	.10-09	igor	1100	.11-04	camW
Leica	Summicron-R 50/2 E55	50	2	80	LR	0.5	0.29	41	66	55	410	.12-02	553	.12-02	425	.12-02	tamark	625	.11-10	p'cision
Leica	Macro-Elmarit-R 60/2.8 3-cam	60	2.8	96	LR	0.3	0.40	62	68	55	462	.12-02	637	.12-02	495	.12-01	v.v	640	.12-01	igor
Leica	Summilux-R 80/1.4	80	1.4	128	LR	0.8	0.70	69	75	67	1080	.10-09	1833	.12-01	2290	.12-02	keh	2295	.12-02	camW
Leica	Summicron-R 90/2 E55	90	2	144	LR	0.7	0.52	61	69	55	613	.12-02	847	.12-02	695	.12-02	tamark	695	.12-01	igor
Leica	Apo-Summicron-R 90/2 ASPH	90	2	144	LR	0.7	0.52	59	70	60	1830	.09-12	3344	.11-10	3950	.11-10	ado	3995	.11-10	camW
Leica	Elmarit R 90/2.8 E55	90	2.8	144	LR	0.7	0.45	57	67	55	415	.12-02	586	.12-02	325	.11-10	igor	325	.11-11	camW
Leica	Apo-Macro 100/2.8 ROM	100	2.8	160	LR	0.5	0.76	105	73	60	1215	.11-04	1747	.12-02	1700	.12-02	keh	1895	.12-02	tamark
Leica	Macro-Elmarit-R 100/4	100	4	160	LR						346	.12-02	565	.11-10	570	.12-02	keh	495	.12-01	igor
Leica	Elmarit-R 135/2.8	135	2.8	216	LR	1.5	0.73	93	67	55	289	.12-02	368	.12-01	345	.12-02	camW	395	.12-01	igor
Leica	Apo-Summicron-R 180/2	180	2	288	LR	1.5	2.50	175	117	100	3308	.11-05	4455	.12-02	3200	.10-02	kevin	4495	.10-11	camW
Leica	Apo-Elmarit-R 180/2.8	180	2.8	288	LR	2.0	0.97	132	76	67	2600	.11-12	3028	.11-04	2100	.11-04	8elm	3395	.11-01	igor
Leica	Elmarit-R 180/2.8 II	180	2.8	288	LR	1.8	0.81	121	75	VIII	332	.11-10	531	.12-02	450	.12-02	prec	675	.11-11	igor
Leica	Apo-Telyt-R 180/3.4 E60	180	3.4	288	LR	2.5	0.75	133	67	60	831	.11-12	1123	.11-10	750	.11-01	b&h	1095	.10-09	kevin
Leica	Elmar-R 180/4	180	4	288	LR	1.8	0.55	100	66	55	273	.12-02	407	.11-07	350	.12-02	keh	495	.12-02	camW
Leica	Telyt-R 250/4	250	4	400	LR	4.0	0.49		78	s8	331	.11-05	574	.11-10	395	.12-01	v.v	495	.12-02	igor
Leica	Apo-Telyt-R 280/2.8	280	2.8	448	LR						2164	.12-02	2279	.09-12	2995	.11-04	camW	6795	.10-04	camW
Leica	Apo-Telyt-R 280/4 ROM	280	4	448	LR	1.7	1.88	208	88	77	1849	.11-10	4533	.12-01				3995	.10-05	camW
Leica	Vario-Elmar-R 80-200/4	80-200	4		LR	1.1	1.02	165	71	60	895	.12-01	1199	.11-12	1070	.11-11	keh	1095	.11-11	igor

		f	f/	1.6x	mt	MFD	wt	L	D	Df	eBay		other suppliers							
		(mm)				(m)	(kg)	(mm)	(mm)	(mm)	E to E+	M- to N	E to E+		M- to N					
											\$US	date	\$US	date	\$US	date	site	\$US	date	site
<b>Nikon AIS/ AI manual focus</b>																				
Nikon	Nikkor 6/2.8 FE [220 deg]	6	2.8	10	AIS	0.3	5.20	160	236	b.i.	0		25992							
Nikon	Nikkor 8/2.8 FE [220 deg]	8	2.8	13	AIS	0.3	1.10	128	1234	b.i.	1194	.11-10	2518	.11-07	1500	.09-08	ado			
Nikon	Nikkor 15/3.5	15	3.5	24	AIS	0.3	0.63	84	90	94	731	.11-11	892	.11-10	1270	.12-02	keh			
Nikon	Nikkor 18/3.5	18	3.5	29	AIS	0.3	0.35	62	75	72	333	.12-02	521	.12-02	375	.12-01	igor	700	.12-02	b&h
Nikon	Nikkor 20/2.8	20	2.8	32	AIS	0.3	0.26	43	69	62	286	.12-02	385	.12-02	450	.12-02	bergen	525	.12-02	keh
Nikon	Nikkor 20/3.5	20	3.5	32	AI	0.3	0.24	41	64	52	242	.12-02	380	.12-02	265	.12-02	jack's	325	.12-02	v.v
Nikon	Nikkor 28/3.5 PC AI	28	3.5	45	AI	0.3	0.38	69	78	72	385	.12-02	599	.12-01	680	.12-02	b&h			
Nikon	Nikkor 28/4 PC AI	28	4	45	AI	0.3	0.41		78	72	396	.12-01	568	.12-01	650	.11-10	b&h	800	.10-05	b&h
Nikon	Nikkor 35/1.4 AIS	35	1.4	56	AIS	0.3	0.41	62	68	52	448	.12-02	628	.12-02	665	.12-02	keh	525	.12-01	igor
Nikon	Nikkor 35/2.8 PC n AI (bk knob)	35	2.8	56	AI	0.3	0.32	66	62	52	284	.12-01	459	.12-02	325	.12-01	keh	375	.10-05	igor
Nikon	Nikkor 50/1.2 AIS	50	1.2	80	AIS	0.5	0.41	50	72	52	417	.12-02	522	.12-01	546	.12-01	keh	600	.11-11	ado
Nikon	Noct-Nikkor 58/1.2	58	1.2	93	AI	0.5	0.47	52	74	52	2459	.12-02	3271	.12-01	2900	.10-09	ado			
Nikon	Nikkor 85/1.4 AIS	85	1.4	136	AIS	0.9	0.62	65	81	72	525	.12-02	665	.12-02	645	.12-01	keh			
Nikon	Nikkor 105/1.8 AIS	105	1.8	168	AIS	1.0	0.58	81	79	62	412	.12-02	531	.12-02	500	.11-11	ado	795	.11-11	camW
Nikon	Nikkor-P Auto 105/2.5	105	2.5	168	F	1.0	0.44	66	69	52	128	.12-02	203	.12-02	120	.12-02	b&h	250	.11-11	camW
Nikon	Nikkor 105/2.5	105	2.5	168	AI	1.0	0.44	69	66	52	155	.12-02	244	.12-02	175	.12-02	jack's	290	.12-01	ado
Nikon	Nikkor 135/2 AIS	135	2	216	AIS	1.3	0.86	94	81	72	382	.12-02	597	.12-02	570	.11-01	keh	750	.11-10	ado
Nikon	Nikkor 200/2 AIS	200	2	320	AIS	2.4	2.40	222	138	122	1279	.12-02	1824	.11-05	1950	.11-01	keh	2500	.10-09	kevin
Nikon	Nikkor *ED 300/2 IF N	300	2	480	AIS	-	7.10	331	183	52 di	0		4045							
Nikon	Nikkor *ED 300/2.8 IF N	300	2.8	480	AIS	3.0	2.50	241	138	39 di	1032	.12-02	1732	.12-02	1400	.12-02	b&h			
Nikon	Nikkor *ED 400/2.8 IF MF	400	2.8	640	AIS	4.6	5.15	379	163	52 di	1877	.12-02	2431	.12-01	2650	.11-03	b&h			
Nikon	Nikkor *ED 400/3.5 IF MF	400	3.5	640	AIS	4.6	2.80	297	135	122-39	1227	.11-12	1817	.12-02	1700	.12-02	b&h	1800	.10-09	b&h
Nikon	Nikkor ED 500/4 P	500	4	800	AIS	5.0	3.00	384	138	39 di	2113	.12-02	2731	.12-02	2900	.10-07	keh	3390	.10-07	keh
Nikon	Nikkor *ED 600/4 IF MF	600	4	960	AIS	7.6	5.65	465	173	39 di	2315	.11-10	3099	.12-01	3000	.10-07	b&h			
Nikon	Nikkor *ED 600/5.6 IF MF	600	5.6	960	AIS	6.1	2.70	382	134	39 di	1484	.12-02	1999	.12-02						
Nikon	Nikkor *ED 800/5.6 IF MF	800	5.6	1280	AIS	8.0	5.45	546	163	52 di	2785	.11-01	3602	.12-02	3500	.09-02	b&h			
Nikon	Nikkor 14-24/2.8 G ED AF-S	14-24	2.8	22-38	AF-S	0.3	1.00	131	98	x	1360	.11-11	1593	.12-02				1500	.10-05	cameta
Nikon	Nikkor 200-400/4 *ED MF	200-400	4	320-640	AIS	3.7	4.00	330	144	122	2229	.10-05	3301	.12-02						

		f	f/	1.6x	mt	MFD	wt	L	D	Df	eBay		other suppliers								
		(mm)				(m)	(kg)	(mm)	(mm)	(mm)	E to E+	M- to N	E to E+		M- to N						
											\$US	date	\$US	date	\$US	date	site	\$US	date	site	
<b>Olympus OM manual focus</b>																					
Olympus	Zuiko MC Auto-W	18	3.5	29	OM						672	.11-04	936	.11-05	625	.11-04	ffordes	800	.12-02	kevin	
Olympus	Zuiko (MC)	21	2	34	OM	0.2	0.25	44	60	55	739	.11-10	969	.11-11	1220	.10-05	keh				
Olympus	G.Zuiko 21/3.5 (SC)	21	3.5	34	OM	0.2	0.18	31	59	49	333	.11-11	459	.12-01	380	.12-02	keh	500	.12-01	ado	
Olympus	Zuiko Auto-W (fe)	24	2	38	OM	0.3	0.28	48	60	55	299	.12-01	434	.12-01	595	.12-02	camW	850	.12-02	kevin	
Olympus	Zuiko, H.Zuiko (MC)	24	2.8	38	OM	0.3	0.18	31	59	49	137	.11-10	212	.12-02	175	.12-02	kevin				
Olympus	Zuiko Shift	24	3.5	38	OM	0.4	0.51	75	84	bi	1225	.11-04	1375	.09-12	1170	.12-01	keh	1300	.11-11	b&h	
Olympus	Zuiko Shift	35	2.8	56	OM	0.3	0.31	58	68	49	359	.11-11	487	.12-01	700	.12-02	b&h	415	.10-02	keh	
Olympus	Zuiko 50/1.2 Auto-S	50	1.2	80	OM	0.5	0.29	43	65	49	400	.12-02	539	.12-01	645	.12-02	keh	750	.12-02	kevin	
Olympus	Zuiko Auto-S 55/1.2	55	1.2	80	OM	0.5	0.31	47	65	49	361	.12-02	452	.12-02	665	.12-02	keh	600	.12-02	kevin	
Olympus	Zuiko 90/2 MC Macro	90	2	144	OM	0.4	0.55	71	72	55	566	.10-09	1022	.12-01	960	.11-11	keh				
Olympus	Zuiko 100/2 Auto-T MC	100	2	160	OM	0.7	0.52	72	70	55	752	.12-02	980	.12-02	1000	.11-10	keh				
Olympus	Zuiko Auto-T	180	2	288	OM	1.6	1.90	173	107	100	1802	.09-06	2682	.09-07	2300	.12-02	kevin				
Olympus	Zuiko Auto-T	200	4	288	OM	2.5	0.51	127	67	55	0		123	.11-10	100	.12-02	national				
Olympus	Zuiko Auto-T	250	2	400	OM	2.2	3.90	246	142	46di	0		0					4500	.10-09	kevin	
Olympus	Zuiko Auto-T	350	2.8	560	OM	3.0	3.90	280	142	46di	2175	.11-12	5250	.11-05	2500	.10-11	fm	4095	.10-09	kevin	
Olympus	Zuiko Zoom 35-80/2.8	35-80	2.8	56-128	OM	0.6	0.65	99	69	62	0		1110	.10-11							
<b>Pentax Takumar &amp; SMC Takumar M42 manual focus</b>																					
Pentax	SMC Takumar 15/3.5	15	3.5	24	M42	0.3	0.57	82	80	bi	0		1129	.11-03							
Pentax	SMC Takumar "1:3.5/15" AL	15	3.5	24	M42						800	.12-01	1914	.11-05				1700	.12-02	kevin	
Pentax	Fish-eye-Takumar FE 17/4	17	4	27	M42	0.2	0.23	32	67	bi	195	.10-11	300	.11-04	364	.12-01	keh	550	.10-09	kevin	
Pentax	SMC Takumar FE 17/4	17	4	27	M42	0.2	0.23	32	67	bi	233	.11-12	374	.10-05							
Pentax	Fish-eye-Takumar 18/11	18	11	29	M42	0.2	0.10	20	55	-	159	.09-08	264	.12-02	325	.10-09	kevin				
Pentax	Super-Takumar 20/4.5	20	4.5	32	M42	0.2	0.25	45	62	77	0		255	.12-02							
Pentax	SMC Takumar 20/4.5	20	4.5	32	M42	0.2	0.25	45	62	77	268	.09-09	298								
Pentax	SMC Takumar 85/1.8	85	1.8	136	M42	0.9	0.34	57	65	58	311	.10-08	457	.12-02				575	.12-02	kevin	
Pentax	SMC Takumar 135/2.5	135	2.5	216	M42	1.5	0.44	86	67	58	149	.12-02	189	.12-02	205	.12-02	keh				
Pentax	SMC Takumar 500/4.5 ps	500	4.5	800	M42	10.0	3.50			46	485	.11-10	673		1000	.11-11	ado				
<b>Pentax SMC K-mount manual focus</b>																					
Pentax	SMC Pentax "1:3.5/15" AL	15	3.5	24	K	0.3	0.55	82	80	bi	707	.11-10	919	.11-08	2200	.12-02	kevin				
Pentax	SMC Pentax "3.5 15mm"	15	3.5	24	K	0.3	0.60	82	80	bi	0		770		820	.10-05	keh	1250	.10-09	kevin	
Pentax	SMC Pentax-A 15/3.5	15	3.5	24	KA	0.3	0.60	82	80	bi	813	.09-08	1087	.11-10	1220	.11-04	keh	1000	.10-05	b&h	
Pentax	SMC Pentax-A 16/2.8 FE	16	2.8	26	KA	0.2	0.32	56	65	bi	0		602	.09-10	485	.10-07	keh	600	.12-01	ado	
Pentax	SMC Pentax 17/4 FE	17	4	27	K	0.2	0.24	34	65	bi	0		376	.12-02	300	.11-10	ado	500	.12-02	kevin	
Pentax	SMC Pentax 18/3.5	18	3.5	29	K	0.3	0.30	62	63	58	410	.12-02	595	.11-12	819	.09-07	keh	950	.12-02	kevin	
Pentax	SMC Pentax-A 20/2.8	20	2.8	32	KA	0.3	0.25	44	70	67	428	.11-07	463	.11-12	570	.09-09	keh				
Pentax	SMC Pentax 28/2.5 Shift	28	3.5	45	K	0.3	0.61	93	80	b.i.	533	.12-02	745	.11-05	595	.08-08	v.v	995	.10-09	kevin	

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df	E to E+		M- to N		E to E+		M- to N					
(mm)				(m)	(kg)	(mm)	(mm)	(mm)	\$US	date	\$US	date	\$US	date	site	\$US	date	site		
<b>Pentax SMC K-mount manual focus (cont.)</b>																				
Pentax	SMC Pentax 50/1.2	50	1.2	80	K	0.5	0.39	49	65	52	348	.11-10	410	.12-02	546	.12-02	keh	575	.12-02	kevin
Pentax	SMC Pentax-A 50/1.2	50	1.2	80	KA	0.5	0.35	49	65	52	451	.11-11	548	.12-01	695	.10-09	keh	700	.11-01	cameta
Pentax	SMC Pentax-A 50/1.4	50	1.4	80	KA	0.5	0.27	37	63	49	139	.12-02	171	.12-02	150	.11-10	keh	300	.09-10	keh
Pentax	SMC Pentax-A 50/1.7	50	1.7	80	KA	0.5	0.19	31	63	49	83	.12-01	111	.12-01	80	.12-02	keh	125	.10-09	kevin
Pentax	SMC Pentax-A 50/2	50	2	80	KA	0.5	0.14	31	63	49	0		0		56	.12-02	keh			
Pentax	SMC Pentax-A* 85mm f/1.4	85	1.4	136	KA	0.9	0.56	66	74	67	888	.10-05	1190	.10-09	1100	.11-10	igor			
Pentax	SMC Pentax 85/1.8	85	1.8	136	K	0.9	0.33	56	64	52	396	.09-02	435	.11-08	429	.09-02	keh	850	.12-02	kevin
Pentax	SMC Pentax 85/2.2 Soft	85	2.2	136	K	0.6	0.24	72	52	49	266	.11-10	300	.10-05						
Pentax	SMC Pentax-A 100/2.8 macro	100	2.8	160	KA	0.3	0.47	93	74	58	559	.11-07	722	.11-05	751	.12-01	keh	975	.12-02	kevin
Pentax	SMC Pentax-A* 135mm f/1.8	135	1.8	216	KA	1.2	0.87	98	80	77	1763	.11-10	2160	.12-02						
Pentax	SMC Pentax 135/2.5	135	2.5	216	K	1.5	0.50	86	68	58	198	.12-02	286	.11-05	286	.12-02	keh	400	.12-02	kevin
Pentax	SMC Pentax-M 135/3.5	135	3.5	216	K	1.5	0.27	66	63	49	51	.12-02	172	.12-02	37	.12-02	keh	60	.12-02	camW
Pentax	SMC Pentax 200/2.5	200	2.5	320	K	2.0	0.95	145	89	77	417	.11-11	0					795	.12-02	kevin
Pentax	SMC Pentax-A* ED 200/2.8	200	2.8	320	KA	1.8	0.85	138	91	77	567	.11-07	975	.10-09						
Pentax	SMC Pentax-A* ED 200/4 Macro	200	4	320	KA	0.6	0.90	145	71	58	1647	.10-09	2231	.11-10						
Pentax	SMC Pentax-A* ED 300/2.8 IF	300	2.8	480	KA	3.0	2.97	236	133	49	1500	.10-08	2306		1900	.10-05	ado			
Pentax	SMC Pentax-M* 300/4	300	4	480	K	4.0	0.83	132	84	77	0		393	.10-02						
Pentax	SMC Pentax-A* 300/4	300	4	480	KA	4.0	0.85	132	84	77	452	.12-01	738	.10-03						
Pentax	SMC Pentax-A* ED 400/2.8 IF	400	2.8	640	KA	4.5	6.00	325	165	49	0		3136		3390	.09-09	keh	3900	.09-10	b&h
Pentax	SMC Pentax 500/4.5 (ma)	500	4.5	800	K	10.0	3.37	440	127	52	626	.09-06	0							
Pentax	SMC Pentax-A* 600/5.6 ED IF	600	5.6	960	KA	5.5	3.28	386	133	112-49	2266	.10-07	2848	.10-06	1695	.09-09	camW			
Pentax	SMC Pentax 1000/8 cat	1000	8	1600	K	30.0	5.29	143	738	52	710	.11-10	0		920	.09-10	keh	1370	.09-01	keh
Pentax	SMC Pentax-A* ED 1200/8 IF	1200	8	1920	KA	8.0	8.58	684	170	49	0		0							
Pentax 645	SMC Pentax-FA 645 35/3.5	35	3.5	56	P645	0.3	0.56	90	88	82	1256	.12-02	1558	.12-02						
Pentax 645	SMC Pentax-A* 645 600/5.6 ED IF	600	5.6	960	P645	5.0	4.80	353	156	49 di	0		0					2225	.09-12	ado
<b>Others manual focus</b>																				
Mamiya	macro Sekor 60/2.8 [1:1]	60	2.8	96	M42	0.2	0.40	66	66	58	210	.11-08	277	.11-03						
Samyang	14/2.8 AS UMC	14	2.8	22	EF-M	0.3	0.57	94	87	x	235	.11-12	302	.12-02						
Samyang	24/1.4 AS UMC	24	1.4	56	EF-M						0		830	.12-02						
Samyang	35/1.4 AS UMC	35	1.4	56	EF-M	0.3		112	83	77	393	.12-02	440	.12-02						
Rokinon	85/1.4 Aspherical IF	85	1.4	136	EF-M	1.0	0.54	75	78	72	231	.12-01	267	.12-02	215	.11-01	keh			
Tomioka	Auto Yashinon	55	1.2	88							402	.10-02	534	.11-04						
Tomioka	Yashinon macro	60	2.8	96							123	.09-04	241	.10-08						
Vivitar	Series 1 450/4.5 Solid Cat	450	4.5	720		3.7	1.6	152	117	97	0		968							
Vivitar	Series 1 600/8 Solid Cat	600	8	960	T	6.8	1.4	105	106	35.5	354	.12-02	445	.11-05						
Vivitar	Series 1 800/11 Solid Cat	800	11	1280							382	.11-10	907	.09-06				695	.09-09	igor
Zenitar	Zenit 16/2.8 FE (180/44)	16	2.8	26	x	0.3	0.31	49	63	rf	130	.09-06	180	.09-09						

										eBay		other suppliers								
f	f/	1.6x	mt	MFD	wt	L	D	Df		E to E+	M- to N	E to E+	M- to N							
(mm)				(m)	(kg)	(mm)	(mm)	(mm)		\$US date	\$US date	\$US date	site	\$US date	site					
<b>Sigma EX autofocus</b>																				
Sigma	EX FE (180/22)	8	4	13	EF	0.2	0.32	62	74	rg	453	.12-02	558	.11-10	400	.12-01	keh	525	.11-11	ado
Sigma	EX ASP IF DG	14	2.8	22	EF	0.2	0.63	91	82	rg	454	.12-02	505	.11-08	500	.12-02	keh			
Sigma	EX FE (180/44)	15	2.8	24	EF	0.2	0.33	71	74	rg	378	.12-01	491	.12-02	395	.12-02	LR	440	.12-01	ado
Sigma	EX 20/1.8 Asp DG RF rl	20	1.8	32	EF	0.2	0.52	87	89	82	293	.12-02	409	.12-02	395	.12-02	jack's	465	.11-11	keh
Sigma	EX ASP DG DF rl	24	1.8	38	EF	0.2	0.49	80	83	77	290	.12-01	335	.12-01				319	.09-03	ado
Sigma	EX	28	1.8	45	EF	0.3	0.29	62	69	58	161	.12-02	291	.11-10	300	.12-01	ado	425	.12-01	jack's
Sigma	EX 30/1.4 DC HSM	30	1.4	48	EF	0.4	0.43	59	76	62	347	.12-02	414	.12-01	430	.11-10	keh			
Sigma	EX 50/1.4 DG HSM	50	1.4	80	EF	0.5	0.51	68	85	77	375	.12-02	424	.12-01	430	.12-02	keh	430	.12-01	keh
Sigma	EX DG macro 1:1	50	2.8	80	EF	0.2	0.32	67	71	55	166	.12-02	229	.12-02	200	.11-10	keh	300	.10-05	keh
Sigma	EX DG macro 1:1	70	2.8	112	EF	0.3	0.53	95	76	62	218	.09-04	301	.11-03	440	.11-11	ado	400	.12-01	b&h
Sigma	EX DG macro 1:1	85	1.4	136	EF						700	.12-01	806	.12-02						
Sigma	EX macro 1:1	105	2.8	168	EF	0.3	0.45	95	74	58	237	.12-02	350	.12-02	250	.12-01	ado	340	.12-02	keh
Sigma	EX DG APO Macro IF 1:1	150	2.8	240	EF	0.4	0.90	137	80	72	447	.12-02	517	.11-11	495	.12-02	LR	600	.11-10	ado
Sigma	EX APO Macro IF 1:1	180	3.5	288	EF	0.5	0.95	180	80	72	428	.11-11	569	.12-02	520	.12-01	ado	550	.10-05	b&h
Sigma	EX AF APO	300	2.8	480	EF	2.5	2.40	214	119	46	1221	.10-09	1627	.11-12	2370	.10-10				
Sigma	EX DG APO AF	500	4.5	800	EF	4.0	3.10	350	123	46	0		2652	.12-02			ado			
Sigma	EX DG APO AF	800	5.6	1280	EF	7.0	4.74	520	157	46	0		4185	.12-02						
Sigma	EX DC HSM	10-20	4-5.6	16-32	EF-S	0.2		81	84	77	351	.12-02	487	.12-02						
Sigma	EX ASP DG rl	12-24	4.5-5.6	19-38	EF	0.3	0.62	100	87	rg	382	.11-11	583	.11-11	495	.12-02	LR	600	.12-02	keh
Sigma	EX DC OS HSM	17-50	2.8	27-80	EF-S	0.3	0.57	92	84	77	458	.12-02	593	.11-11				600	.12-01	keh
Sigma	EX DG 20-40/2.8 ASP	20-40	2.8	32-64	EF	0.3	0.60	108	89	82	200	.10-10	297	.12-02				275	.12-01	camW
Sigma	EX DG	24-60	2.8	38-96	EF	0.4	0.56	85	89	77	207	.10-09	227	.09-05	300	.09-02	keh			
Sigma	EX ASP DF DG	24-70	2.8	38-112	EF	0.4	0.70	114	89	82	405	.12-02	524	.12-02	450	.12-02	LR	450	.10-09	b&h
Sigma	EX ASP EX DG	28-70	2.8	45-112	EF	0.4	0.65	101	84	77	280	.12-02	340	.10-05	295	.09-02	ado			
Sigma	EX DC HSM	50-150	2.8	80-240	EF-S	1.0	0.77	135	76	67	384	.09-12	477	.12-02	600	.10-09	ado			
Sigma	EX APO	50-500	4-6.5	80-800	EF	1-3	1.65	218	94	86c	635	.12-01	792	.12-02	600	.12-02	LR	595	.11-10	camW
Sigma	EX APO OS	70-200	2.8	112-320	EF	1.4	1.43	198	86	77	0		<b>1260</b>	.12-01				<b>1400</b>	.11-12	b&h
Sigma	EX APO	70-200	2.8	112-320	EF	1.8	1.39	180	86	77	556	.12-02	665	.12-02	575	.12-02	LR	1295	.11-10	ado
Sigma	EX APO IF	100-300	4	160-480	EF	1.8	1.48	224	92	82	594	.11-11	719	.11-11	560	.12-01	keh	600	.12-02	keh
Sigma	EX APO IF HSM	120-300	2.8	192-480	EF	2.5	2.60	269	113	105	1358	.11-10	1734	.11-07	1950	.12-02	b&h	2200	.12-02	b&h
Sigma	DG APO OS HSM	120-400	4.5-5.6	192-640	EF	1.5	1.75	204	93	77	494	.12-02	741	.11-11						
Sigma	APO DG OS HSM	150-500	5.0	240-800	EF	2.2	1.91	252	75	58	722	.12-02	818	.12-02	850	.11-11	keh	<b>1000</b>	.11-01	keh
Sigma	EX APO IF HSM	200-500	2.8	320-800	EF	2.5	15.70	726	236	72di	0		(23.2k)	.09-04				<b>29k</b>	.09-08	b&h
Sigma	EX 300-800/5.6 APO IF HSM	300-800	5.6	480-1280	EF	6.0	5.87	542	166	46di	0		3565	.10-07				4850	.12-01	ado

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df	E to E+		M- to N		E to E+		M- to N					
(mm)				(m)	(kg)	(mm)	(mm)	(mm)	\$US	date	\$US	date	\$US	date	site	\$US	date	site		
<b>Tamron SP manual and autofocus</b>																				
Tamron	SP 14/2.8 LD Asp IF	14	2.8	22	EF	0.2	0.66	89	87	rg	472	.11-04	551	.10-12	570	.12-01	keh	500	.11-10	cameta
Tamron	SP 17/3.5 [51B] (bi filters)	17	3.5	27	A2	0.3	0.27	45	70	82*	133	.11-03	198	.10-05	2235	.10-09	keh	250	.10-09	b&h
Tamron	SP 17/35 [151B]	17	3.5	27	A2	0.3	0.27	48	71	82*	224	.12-02	317	.11-03	245	.11-11	keh	265	.11-11	keh
Tamron	SP Macro + 1:1 ext;	90	2.5	144	A2	0.4	0.41	102	68	55	123	.09-12	0		110	.11-04	keh	350	.10-05	tamarkin
Tamron	SP 90/2.8 AF Di Macro 1:1	90	2.8	144	EF	0.3	0.40	97	71	55	269	.11-11	302	.12-02	260	.12-02	b&h	275	.12-01	camW
Tamron	SP MF Macro 1:1	90	2.8	144							0		300	.10-07	325	.11-10	ado			
Tamron	SP 180/2.5 LD IF MF	180	2.5	288	A2	1.2	0.87	120	82	77	349	.09-04	501	.11-04						
Tamron	SP AF Di Macro 1:1	180	3.5	288	EF	0.5	0.92	166	85	72	407	.11-04	551	.12-02	525	.11-10	keh	525	.11-11	igor
Tamron	SP MF LD IF full set	300	2.8	480	A2	2.5	2.21	212	120	43di	589	.12-01	698	.11-11	1250	.12-01	ado			
Tamron	SP MF LD IF	300	2.8	480	A2	2.5	2.21	212	120	43di	573	.11-07	583	.11-10	695	.11-04	keh			
Tamron	SP AF LD IF	300	2.8	480	EF	2.5	2.80	216	119	43di	0		1100	.09-04	2500	.12-02	b&h	1275	.11-12	igor
Tamron	SP 300/5.6 (54B)	300	5.6	480	A2	1.4	0.65	170	65	58	127	.12-02	235	.12-02	133	.11-11	keh			
Tamron	SP 350/5.6 Cat	350	5.6	560	A2	1.1	0.62	75	86	82	545	.12-02	651	.12-02						
Tamron	SP 400mm f/4 LD (IF) MF	400	4	640	A2	3.0	2.30	293	118	43di	791	.11-10	997	.10-10						
Tamron	SP 11-18/4.5-5.6 Di II LD	11-18	4.5-5.6	18-29	EF-S	0.4	0.25	79	83	77	299	.12-02	0					450	.09-08	ado
Tamron	SP 17-50/2.8 LD XR Di	17-50	2.8	27-80	EF-S	0.3	0.43	82	74	67	307	.12-02	347	.12-02	340	.12-01	keh	550	.11-01	ado
Tamron	SP 17-50/2.8 LD XR Di VC	17-50	2.8	27-80	EF-S	0.3	0.57	95	80	72	239	.11-01	432	.12-02						
Tamron	SP 20-40/2.7-3.5 ASP IF	20-40	2.7-3.5	32-64	EF	0.5	0.53	81	82	77	157	.09-02	0		245	.12-02	keh			
Tamron	SP 24-48/3.5-3.8	24-48	3.5-3.8	38-76	A2	0.6	0.35	61	66	77*	434	.11-04	0							
Tamron	SP 24-70/2.8 Di VC USD	24-70	2.8	38-112	EF	0.4	0.83	109	88	82	0		0							
Tamron	SP 24-135/3.5-5.6 AF	24-135	3.5-5.6	38-216	EF	0.4	0.53	79	81	72	129	.12-02	194	.12-02	185	.12-02	jack's			
Tamron	SP 28-75/2.8 XR Di AF	28-75	2.8	45-115	EF	0.3	0.51	92	73	67	309	.12-02	366	.12-02	325	.12-02	jack's	380	.11-11	keh
Tamron	SP 28-105/2.8 LD ASP AF	28-105	2.8	45-168	EF	0.4	0.85	105	87	82	260	.12-02	366	.11-10	340	.11-10	keh	380	.10-10	keh
Tamron	SP 35-80/2.8-3.5 MF	35-80	2.8-3.5	56-128	A2	0.3	0.46	79	65	62	67	.10-10	124	.10-10	95	.11-10	v.v			
Tamron	SP 70-150/2.8 Soft [51A]	70-150	2.8	112-240	A2	1.0	0.76	147	67.5	62	437	.11-06	815	.11-04						
Tamron	SP 70-200/2.8 Di LD IF AF	70-200	2.8	112-320	EF-S	1.0	1.15	194	90	77	509	.12-02	629	.11-11	595	.12-02	jack's	616	.12-02	keh
Tamron	SP 70-300/4-5.6 VC	70-300	4-5.6	112-480	EF	1.4	0.77	143	82	62	281	.12-02	375	.12-01	286	.12-02	keh	<b>300</b>	.11-11	keh
Tamron	SP 80-200/2.8 LD pp	80-200	2.8	128-320	A2	1.5	1.22	178	82	77	288	.11-10	200	.11-12	395	.12-01	v.v	430	.12-01	keh
Tamron	LD 200-400/5.6 IF	200-400	5.6	320-640	EF						195	.10-02	282	.11-04	245	.11-01	keh	350	.09-08	v.v
Tamron	SP 200-500/5.6 LD IF	200-500	5.6	320-800	A2	2.5	2.74	361	105	95	471	.12-01	919	.11-08	475	.12-01	v.v			
Tamron	SP 200-500/5.6-6.3 LD IF	200-500	5.6-6.3	320-800	EF	2.5	1.24	227	94	86	575	.12-01	750	.12-01	600	.12-02	keh	790	.11-11	ado

\* hood accepts filter

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df			E to E+	M- to N	E to E+		M- to N					
(mm)				(m)	(kg)	(mm)	(mm)	(mm)			\$US	date	\$US	date	\$US	date	site	\$US	date	site
<b>Tokina manual and autofocus</b>																				
Tokina	AT-X 17/3.5 AF Pro	17	3.5	27.2	EF	0.3	0.44	65	88	77	303	.12-02	356	.12-02	265	.11-10	keh	380	.08-05	keh
Tokina	RMC SL	17	3.5	27.2	x	0.3	0.29	52	70	67	146	.12-02	251	.12-02	150	.10-09	b&h			
Tokina	AT-X Macro 1:2 (M 1:1 tube)	90	2.5	144	x	0.4	0.53	64	80	55	388	.12-02	446	.11-11						
Tokina	AT-X Macro 1:1	100	2.8	160	EF	0.3	0.54	95	73	55	153	.09-02	379	.11-11	365	.11-10	keh			
Tokina	AT-X AF PRO	300	2.8	480	EF	2.4	2.30	187	117	112	0		1055	.11-02	1430	.10-10	keh			
Tokina	AT-X SD MF	300	2.8	480	x						0		1325	.11-10						
Tokina	AT-X AF Pro	300	4.0	480	EF						357	.10-08	401	.10-04						
Tokina	AT-X 10-17/3.5-4.5 DX FE	10-17	3.5-4.5	16-27	EF-S	0.1	0.35	72	68	x	132	.10-10	<b>512</b>	.11-11				550	.12-01	ado
Tokina	AT-X 11-16/2.8 Pro DX Asp	11-16	2.8	18-26	EF-S	0.3	0.56	89		77	565	.12-02	635	.12-02	450	.11-11	ado			
Tokina	AT-X Pro 12-24/4 DG	12-24	4	19-38	EF-S	0.6	0.30	90	84	77	350	.12-02	417	.12-02	420	.12-02	national	510	.12-01	ado
Tokina	AT-X Pro 16-28/2.8 FX	16-28	2.8	26-45	EF	0.3	0.95	133	90	x	630	.12-02	<b>849</b>	.11-10				<b>850</b>	.12-02	keh
Tokina	AT-X Pro 20-35/2.8	20-35	2.8	32-56	EF	0.5	0.59	86	84	77	0		330	.12-02	325	.12-02	keh			
Tokina	AT-X 24-40/2.8	24-40	2.8	38-64	x	0.4	0.51	79	75	72	111	.09-01	0		140	.12-02	b&h			
Tokina	AT-X & AT-X Pro SV	28-70	2.8	45-112	EF	0.7	0.72	108	84	77	247	.12-02	311	.12-02	400	.11-10	ado			
Tokina	AT-X Pro, Pro II	28-70	2.6-2.8	45-112	EF	0.7	0.75	107	79	77	0		328	.12-02	350	.10-02	ado			
Tokina	AT-X Pro AF	28-80	2.8	45-128	EF	0.5	0.82	120	84	77	309	.11-10	339	.10-09	365	.10-02	jack's			
Tokina	AT-X 535 Pro DX	50-200	2.8	80-320	EF	1.0	0.85	135	78	67	0		0							
Tokina	AT-X & AT-X Pro 828 AF	80-200	2.8	128-320	EF	1.8	1.35	184	84	77	372	.11-11	554	.12-02	450	.11-01	ado			
Tokina	AT-X	100-300	4.0	160-480	EF	2.0	1.52	229	81	77	179	.10-05	399	.12-01	295	.12-02	jack's			

Medium Format Lenses		f (mm)	f/ 1.6x	mt	MFD (m)	wt (kg)	L (mm)	D (mm)	Df (mm)	eBay		other suppliers								
										E to E+		M- to N		E to E+		M- to N				
										\$US	date	\$US	date	\$US	date	site	\$US	date	site	
<b>Mamiya M645 manual focus</b>																				
Mamiya	Mamiya-Sekor C 24/4 ULD FE	24	4	38	M645	0.3	0.79	82	100	b.i.	1140	.11-04	1555	.12-01	1670	.11-04	keh			
Mamiya	Mamiya-Sekor C 35/3.5 N	35	3.5	56	M645	0.5	0.45	61	80	77	282	.12-02	361	.12-02	465	.12-02	keh	350	.12-02	igor
Mamiya	Mamiya-Sekor C 45/2.8 N	45	2.8	72	M645	0.5	0.48	70	71	67	180	.12-02	274	.12-02	245	.12-02	keh	365	.12-02	b&h
Mamiya	Mamiya-Sekor C 50/4 Shift	50	4	80	M645	0.5	0.74	105	80	77	442	.11-10	615	.11-10	500	.11-11	a			
Mamiya	Mamiya-Sekor C 55/2.8 N	55	2.8	88	M645	0.5	0.31	59	70	58	116	.12-02	190	.12-02	165	.12-02	national	195	.12-02	camW
Mamiya	Mamiya-Sekor C 80/1.9	80	1.9	128	M645	0.7	0.42	59	76	67	258	.12-02	331	.12-02	450	.12-02	keh			
Mamiya	Mamiya-Sekor C 80/1.9 N	80	1.9	128	M645						244	.12-02	326	.12-02	500	.12-02	keh			
Mamiya	Mamiya-Sekor C 80/2.8	80	2.8	128	M645	0.7	0.25	47	70	58	61	.11-11	110	.12-02	115	.12-02	keh			
Mamiya	Mamiya-Sekor C 80/2.8 N	80	2.8	128	M645	0.7	0.22	43	70	58	93	.12-02	160	.11-05	120	.12-02	keh	145	.12-02	keh
Mamiya	Mamiya-Sekor C 80/4 N Macro	80	4	128	M645	0.4	0.59	75	79	67	168	.11-11	254	.12-02	195	.12-02	national	245	.10-09	keh
Mamiya	Mamiya-Sekor C 110/2.8	110	2.8	176	M645	1.2	0.39	60	70	58	145	.11-10	217	.11-04	215	.12-02	keh	160	.10-09	keh
Mamiya	Mamiya-Sekor C 145/4 SF	145	4	232	M645						152	.11-04	0		190	.12-01	keh	0		
Mamiya	Mamiya-Sekor C 150/3.5 N	150	3.5	240	M645	1.5	0.42	80	70	58	100	.12-02	129	.11-10	90	.12-02	keh	95	.12-02	camW
Mamiya	Mamiya-Sekor C 210/4 N	210	4	336	M645	2.5	0.72	137	70	58	105	.11-08	183	.10-08	150	.12-02	igor	270	.12-02	b&h
Mamiya	Mamiya-Sekor C 300/5.6 N	300	5.6	480	M645	4.0	0.70	164	71	58	219	.12-02	251	.11-11	310	.12-01	keh	430	.11-03	b&h
Mamiya	Mamiya-Sekor C 500/5.6	500	5.6	800	M645	9.0	2.28	358	114	105	404	.11-04	583	.12-02	665	.12-02	keh			
Mamiya	Mamiya A 120/4 Macro M	120	4	192	M645	0.4	0.75	111	77	67	276	.12-02	324	.11-11	350	.12-02	b&h	450	.11-10	keh
Mamiya	Mamiya A 150/2.8	150	2.8	240	M645	1.5	0.74	107	75	67	185	.11-11	273	.11-11	265	.12-02	keh			
Mamiya	Mamiya A 200/2.8 APO	200	2.8	320	M645	2.5	1.10	144	91	77	556	.12-02	1168	.12-02	790	.11-02	keh	1000	.11-03	b&h
Mamiya	Mamiya A 300/2.8 APO	300	2.8	480	M645	3.5	2.70	237	140	43.5di	1880	.11-12	2538	.09-07	1995	.10-05	igor	2200	.10-06	ffordes
Mamiya	Mamiya A 500/4.5 APO	500	4.5	800	M645	5.0	5.40	378	162	43.5di	2300	.09-03	0		3350	.09-05	b&h	17.4k	.10-02	mpex
Mamiya	Mamiya C 55-110/4.5 N	55-110	4.5		M645	1.5	0.80	104		67	178	.11-04	255	.12-01	195	.12-02	national	310	.12-01	keh
Mamiya	Mamiya C ULD 105-210/4.5	105-210	4.5		M645	1.8	0.88	158	75	58	168	.11-10	308	.10-09	250	.12-02	bergen	400	.11-03	b&h

**Schneider-Kreusnach manual focus, for Pentacon 6**

Sch-K	Curtagon MF	40	4	64	P6	0.5	0.70	109	104	B104	0		0							
Sch-K	Super-Angulon MF 55/4.5 PC	55	4.5	88	P6	0.5	1.65	157	104	B104	0		0							
Sch-K	Curtagon MF 60/3.5	60	3.5	96	P6	0.6	0.57	84	81	67x.75	762	.12-02	929	.12-02						
Sch-K	Xenotar MF 80/2.8	80	2.8	128	P6	0.6	0.50	72	84	67x.75	751	.12-02	1031	xx						
Sch-K	Biometar 80/2.8	80	2.8	128	P6	1.0	0.44	68	82	67x.75	0		0							
Sch-K	Xenotar E 80/2.8	80	2.8	128	P6	1.0	0.44	68	82	67x.75	0		0							
Sch-K	Exakta 80/2.8	80	2.8	128	P6	1.0	0.45	74	83	67x.75	0		0							
Sch-K	Tele-Xenar MF 150/4	150	4	240	P6	1.5	0.76	101	84	67x.75	513	.11-12	0							
Sch-K	Tele-Xenar MF 250/5.6	250	5.6	400	P6	3.0	0.90	168	84	67x.75	660	.11-12	849	.11-12						
Sch-K	Variogon MF 75-150/4.5	75-150	4.5		P6	1.8	1.77	171	98	95 x 1	0		0							
Sch-K	Variogon MF 140-280/5.6	140-280	5.6		P6	2.5	2.07	240	95	86 x 1	0		0							

											eBay		other suppliers							
											E to E+		M- to N		E to E+		M- to N			
											\$US	date	\$US	date	\$US	date	site	\$US	date	site
Fujifilm X mount	f (mm)	f/	f 1.5x (mm)	mt	MFD (m)	wt (kg)	L (mm)	D (mm)	Df (mm)											
Fujifilm	Fujinon XF 14/2.8 R	14	2.8	21	X					0		0								
Fujifilm	Fujinon XF 18/2 R	18	2.0	27	X	0.2	0.12	41	65	52	0		0				<b>600</b>	.12-03	aps	
Fujifilm	Fujinon XF 23/2 R	23	2	35	X						0		0							
Fujifilm	Fujinon XF 28/2.8 R	28	2.8	42	X						0		0							
Fujifilm	Fujinon XF 35/1.4 R	35	1.4	53	X	0.3	0.19	55	65	52	0		0				<b>600</b>	.12-03	aps	
Fujifilm	Fujinon XF 60/2.4 R Macro	60	2.4	90	X	0.3	0.22	71	64	39	0		0				<b>650</b>	.12-03	aps	
Fujifilm	Fujinon XF 12-24/4 R IS	12-24	4.0	18-36	X						0		0							
Fujifilm	Fujinon XF 18-72/4 R IS	18-72	4.0	27-110	X						0		0							
Fujifilm	Fujinon XF 72-200/4 R IS	72-200	4.0	110-300	X						0		0							
<b>Voigtlander RF</b>																				
Voigtlander	12/5.6 ASPH UW Heliar	12	5.6	18	LTM	0.3	0.16	38	51	77*	0		616	.12-02	395	.12-02	v.v	<b>661</b>	.12-02	camtec
Voigtlander	12/5.6 ASPH UW Heliar II	12	5.6	18	LM	0.5	0.16	43	75	67	0		720	.12-02				<b>750</b>	.12-02	c'quest
Voigtlander	15/4.5 ASPH SW Heliar DS	15	4.5	23	LTM	0.3	0.11	31	50	77*	369	.12-02	448	.12-02				<b>457</b>	.12-02	camtec
Voigtlander	15/4.5 ASPH SW Heliar	15	4.5	23	LM	0.5	0.16	38	59	52	0		450	.12-02				<b>600</b>	.12-02	camtec
Voigtlander	28/1.9 ASPH Ultron (D)	28	1.9	42	LTM	0.7	0.26	47	53	46	0		524	.12-02				0		
Voigtlander	28/2 Ultron	28	2	42	LM	0.7	0.24	51	55	46	0		486	.12-02				<b>626</b>	.12-02	camtec
Voigtlander	35/1.2 Nokton ASPH	35	1.2	53	LM	0.7	0.49	78	63	52	0		975	.12-02				<b>1100</b>	.12-02	c'quest
Voigtlander	35/1.2 Nokton ASPH II	35	1.2	53	LM	0.5	0.47	62	61	52	0		1130	.12-02				<b>1400</b>	.12-02	camtec
Voigtlander	35/1.4 MC/SC Nokton	35	1.4	70	LM	0.7	0.20	29	55	43	0		575	.12-02				<b>625</b>	.12-02	C.quest
Voigtlander	40/1.4 MC/SC Nokton	40	1.4	80	LM	0.7	0.20	40	55	43	400	.12-02	0					<b>508</b>	.12-02	camtec
Voigtlander	50/1.1 Nokton	50	1.1	75	LM	1.0	0.43	57	70	58	692	.12-01	892	.12-01				960	.12-02	keh
Voigtlander	50/1.5 ASPH Nokton	50	1.5	75	LTM	0.9	0.28	45	58	52	0		486	.12-02						
Voigtlander	50/2 Heliar (D) collapsible	50	2.0	75	LM	1.0	0.30	30	51	39	0		338	.12-01						
Voigtlander	75/1.8 Heliar Classic	75	1.8	113	LM	0.9	0.43	74	58	52	0		766	.12-01				<b>712</b>	.12-02	camtec
<b>Canon RF</b>																				
Canon RF	35/2	35	2	53	LTM			28	49	40	477	.12-01	519	.12-02				1200	.12-02	kevin
Canon RF	50/0.95	50	0.95	75	LTM	1.1	0.61			72	2520	.12-02	2950	.12-01	2400	.12-02	kevin	2700	.12-02	kevin
Canon RF	50/1.2	50	1.2	75	LTM	1.1	0.33	39	62	55	380	.12-02	567	.12-02	875	.12-02	kevin	1200	.12-02	kevin
<b>Nikon RF</b>																				
Nikon	Nikkor-N 50/1.1	50	1.1	75	S						0		4300	.12-02						