

## Lens\$db: Lens Price database

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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>STT</b>	Sigma, Tamron and Tokina
<b>CZ.V</b>	Carl Zeiss ZE, C/Y, N, and Jena; Voigtlander and Schneider PC T-S
<b>LNOP</b>	Leica-R, Nikon AI/S, Olympus, Pentax, and a few more
<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 XT <i>i</i> , 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>

Pentax Forums <http://www.pentaxforums.com/lensreviews/> (645)

f (mm) f.Zone © J Colwell 2011

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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	906	.14-01	1136	.14-03	1035	.13-07	keh	1095	.13-02	igor
Canon	EF 14/2.8 L II USM	14	2.8	22	EF	0.2	0.65	94	80	rg	1526	.14-03	1713	.14-03	1540	.14-01	keh	1800	.14-03	LR
Canon	EF 15/2.8 (180/44)	15	2.8	24	EF	0.2	0.33	62	73	rg	564	.14-03	668	.14-03	616	.14-01	keh	751	.12-05	keh
Canon	TS-E 17/4 L	17	4	27	EFm	0.3	0.82	107	89	x	1603	.13-06	1915	.14-03	1890	.14-03	LR	2050	.13-07	ado
Canon	EF 20/2.8 USM	20	2.8	32	EF	0.3	0.41	71	78	72	279	.14-01	335	.14-03	365	.14-01	keh	350	.14-03	camtec
Canon	EF 24/1.4 L USM	24	1.4	38	EF	0.3	0.55	77	84	77	836	.14-03	1063	.14-03	750	.14-01	camtec	995	.14-03	camW
Canon	EF 24/1.4 L II USM	24	1.4	38	EF	0.3	0.65	94	87	77	1079	.14-03	1257	.14-03	1325	.14-03	LR	1400	.13-07	ado
Canon	EF 24/2.8	24	2.8	38	EF	0.3	0.27	49	68	58	220	.14-03	272	.14-03	240	.14-03	ado	300	.13-07	keh
Canon	EF 24/2.8 IS USM	24	2.8	38	EF	0.2	0.28	56	68	58	466	.14-03	<b>536</b>	.14-01				814	.12-09	b&h
Canon	TS-E 24/3.5 L	24	3.5	38	EFm	0.3	0.57	87	78	72	775	.14-03	955	.14-03	1270	.14-03	b&h	960	.14-03	ado
Canon	TS-E 24/3.5 L II	24	3.5	38	EFm	0.2	0.78	107	89	82	1321	.14-03	1717	.14-03	1700	.14-01	keh	1740	.14-01	keh
Canon	EF 28/1.8 USM	28	1.8	45	EF	0.3	0.31	56	74	58	332	.14-03	384	.14-03	380	.14-01	keh	430	.14-03	ado
Canon	EF 28/2.8	28	2.8	45	EF	0.3	0.19	43	67	52	150	.14-03	196	.14-03	190	.14-01	keh	325	.12-05	keh
Canon	EF 28/2.8 IS USM	28	2.8	45	EF	0.2	0.26	51	68	58	352	.14-03	418	.14-03	650	.12-09	jack's	600	.13-04	keh
Canon	EF 35/1.4 L USM	35	1.4	56	EF	0.3	0.58	86	79	72	932	.14-03	1073	.14-03	1000	.14-03	LR	995	.14-03	igor
Canon	EF 35/2	35	2	56	EF	0.3	0.21	43	67	52	218	.14-03	300	.14-03	255	.13-07	keh	286	.13-07	keh
Canon	EF 35/2 IS	35	2	56	EF	0.2	0.34	64	79	67	476	.14-03	509	.14-03				495	.14-03	igor
Canon	EF 40/2.8 STM	40	2.8	64	EF	0.3	0.13	23	69	52	113	.14-03	142	.14-03				150	.14-03	b&h
Canon	TS-E 45/2.8	45	2.8	72	EFm	0.4	0.65	90	81	72	819	.14-02	929	.14-03	1050	.14-03	LR	1000	.14-01	keh
Canon	EF 50/1.0 L USM	50	1	80	EF	0.6	0.99	82	92	72	3644	.14-02	4279	.14-03	3390	.14-02	keh	4200	.13-04	cameta
Canon	EF 50/1.2 L USM	50	1.2	80	EF	0.5	0.55	65	85	72	1110	.14-03	1295	.14-03	1234	.14-03	ado	1220	.14-01	keh
Canon	EF 50/1.4 USM	50	1.4	80	EF	0.5	0.29	51	74	58	271	.14-03	308	.14-03	254	.14-01	keh	295	.14-03	igor
Canon	EF 50/1.8	50	1.8	80	EF	0.5	0.19	43	67	52	119	.14-03	141	.14-03	150	.14-01	keh	100	.13-07	camtec
Canon	EF 50/1.8 II	50	1.8	80	EF	0.5	0.15	41	68	52	99	.14-03	109	.14-03	90	.14-03	henrys	95	.14-01	keh
Canon	EF 50/2.5 Compact-Macro	50	2.5	80	EF	0.2	0.28	63	68	52	151	.14-02	221	.14-03	180	.14-01	keh	215	.14-03	jack's
Canon	Lifesize Converter	x	x	x	EF	x	0.16	35	68	x	152	.14-03	200	.14-03	220	.11-10	keh			
Canon	EF-S 60/2.8 Macro	60	2.8	96	EF-S	0.2	0.34	73	70	52	246	.14-03	332	.14-03	329	.14-03	ctc	350	.14-03	camW
Canon	MP-E 65/2.8 Macro Photo	65	2.8	104	EFm	0.2	0.73	98	61	58	667	.13-02	810	.14-03	751	.14-01	keh	825	.13-07	camtec
Canon	EF 85/1.2 L USM	85	1.2	136	EF	1.0	1.03	84	92	72	1175	.13-10	1362	.14-03	1430	.14-01	keh	1400	.14-03	ado
Canon	EF 85/1.2 L II USM	85	1.2	136	EF	1.0	1.03	84	92	72	1416	.14-01	1691	.14-03	1700	.14-01	keh	1650	.13-04	cameta
Canon	EF 85/1.8 USM	85	1.8	136	EF	0.9	0.43	72	75	58	281	.14-02	330	.14-03	325	.14-03	jack's	340	.13-07	igor
Canon	TS-E 90/2.8	90	2.8	144	EFm	0.4	0.57	88	74	58	767	.14-03	896	.14-03	950	.14-03	b&h	950	.14-03	camW
Canon	EF 100/2.0 USM	100	2	160	EF	0.9	0.46	74	75	58	285	.14-03	344	.14-03	295	.14-03	jack's	400	.13-04	keh
Canon	EF 100/2.8 Macro	100	2.8	160	EF	0.3	0.60	119	79	58	310	.14-03	390	.14-02	286	.14-01	keh	395	.14-03	camW
Canon	EF 100/2.8 Macro USM	100	2.8	160	EF	0.3	0.60	119	79	58	342	.14-03	413	.14-03	350	.14-01	keh	385	.13-07	igor
Canon	EF 100/2.8 L IS Macro USM	100	2.8	160	EF	0.3	0.63	123	78	67	743	.14-03	845	.14-03	725	.14-01	keh	820	.14-01	keh

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	743	.14-03	851	.14-03	845	.14-03	jack's	895	.14-03	camtec	
Canon	EF 135/2.8 Soft	135	2.8	216	EF	1.3	0.39	98	69	52	220	.14-03	280	.14-03	245	.14-01	keh	350	.12-11	igor	
Canon	EF 180/3.5 L Macro USM	180	3.5	288	EF	0.5	1.09	187	83	72	906	.14-03	1087	.14-03	1175	.14-03	LR	1075	.14-03	igor	
Canon	EF 200/1.8 L USM	200	1.8	320	EF	2.5	3.00	208	130	48 di	3417	.14-02	3997	.13-12	4000	.14-03	b&h	4500	.14-03	b&h	
Canon	EF 200/2 L IS USM	200	2	320	EF	1.9	2.50	208	128	52 di	4279	.14-03	5011	.14-03	4460	.14-01	keh	5900	.14-03	b&h	
Canon	EF 200/2.8 L USM	200	2.8	320	EF	1.5	0.79	136	83	72	457	.14-03	562	.14-03	465	.14-01	keh	616	.13-04	keh	
Canon	EF 200/2.8 L II USM	200	2.8	320	EF	1.5	0.77	136	83	72	538	.14-03	628	.14-03	546	.14-01	keh	645	.14-01	keh	
Canon	EF 300/2.8 L USM	300	2.8	480	EF	3.0	2.86	253	125	48 di	2184	.14-03	2755	.14-03	2470	.14-01	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	3477	.14-03	4137	.14-03	3500	.14-03	ado	4460	.13-07	keh	
Canon	EF 300/2.8 L IS II USM	300	2.8	480	EF	2.0	2.35	248	128	52 di	5208	.14-03	6558	.14-02				6450	.14-03	ado	
Canon	EF 300/4 L USM	300	4	480	EF	2.5	1.17	214	90	77	627	.14-03	774	.14-03	800	.13-02	ado	1080	.11-10	keh	
Canon	EF 300/4 L IS USM	300	4	480	EF	1.5	1.19	221	90	77	849	.14-03	1037	.14-03	950	.14-03	ado	875	.14-03	igor	
Canon	EF 400/2.8 L USM	400	2.8	640	EF	4.0	6.10	348	167	48 di	2967	.14-03	3851	.13-11	3520	.14-01	keh				
Canon	EF 400/2.8 L II USM	400	2.8	640	EF	4.0	5.91	348	167	48 di	3826	.14-02	4599	.13-07	4300	.14-02	keh				
Canon	EF 400/2.8 L IS USM	400	2.8	640	EF	3.0	5.37	349	163	52 di	4869	.14-03	5970	.14-03	5800	.14-01	keh	5995	.14-03	camW	
Canon	EF 400/2.8 L IS II USM	400	2.8	640	EF	2.7	3.85	343	163	52 di	8239	.13-10	<b>9080</b>	.14-03	8500	.14-03	LR	9000	.14-01	keh	
Canon	EF 400/4 DO IS USM	400	4	640	EF	3.5	1.94	233	128	52 di	3569	.14-03	4365	.14-03	4800	.14-03	b&h	5200	.14-03	b&h	
Canon	EF 400/5.6 L USM	400	5.6	640	EF	3.5	1.25	257	90	77	918	.14-03	1055	.14-03	1330	.14-03	b&h	1000	.14-02	camtec	
Canon	EF 500/4 L IS USM	500	4	800	EF	4.5	3.87	387	146	52 di	5184	.14-03	5936	.14-03	5600	.14-01	keh	5900	.14-01	keh	
Canon	EF 500/4 L IS II USM	500	4	800	EF	3.7	3.19	383	146	52 di	8601	.13-10	<b>9930</b>	.13-10				9500	.14-03	b&h	
Canon	EF 500/4.5 L USM	500	4.5	800	EF	5.0	3.00	390	130	48 di	2959	.14-03	3883	.14-03	3250	.13-07	keh	4460	.12-02	keh	
Canon	EF 600/4 L USM	600	4	960	EF	6.0	6.00	456	167	48 di	3659	.14-03	4852	.14-03	4000	.13-07	b&h	5295	.11-11	jack's	
Canon	EF 600/4 L IS USM	600	4	960	EF	5.5	5.36	456	168	52 di	5928	.14-03	6577	.14-03	6600	.13-07	keh	7990	.12-12	b&h	
Canon	EF 600/4 L IS II USM	600	4	960	EF	4.5	3.92	447	168	52 di	0		<b>12749</b>	.13-05				<b>12800</b>	.13-04	b&h	
Canon	EF 800/5.6 L IS USM	800	5.6	1280	EF	6.0	4.50	461	162	52 di	9050	.14-03	10080	.14-01	11500	.14-03	ado	10000	.14-01	keh	
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	1.4	1.4	EF		0.20	27	73		146	.14-03	206	.14-01	160	.12-05	keh	165	.13-07	igor	
Canon	Extender EF 1.4x II	x1.4	1.4	1.4	EF		0.22	27	73		187	.14-03	229	.14-03	250	.14-03	bergen	225	.12-04	camtec	
Canon	Extender EF 1.4x III	x1.4	1.4	1.4	EF		0.23	27	73		359	.14-03	419	.14-03				450	.13-02	camW	
Canon	Extender EF 2x	x2	2.0	2.0	EF		0.24	51			178	.14-03	216	.14-03	200	.12-05	keh	200	.12-01	ado	
Canon	Extender EF 2x II	x2	2.0	2.0	EF		0.27	58	72		196	.14-03	252	.14-03	250	.13-04	ctc	285	.13-07	camtec	
Canon	Extender EF 2x III	x2	2.0	2.0	EF		0.33	53	72		375	.14-02	434	.14-03	375	.14-03	LR				

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	859	.14-03	1027	.14-03	1035	.14-03	keh	1100	.14-03	camW
Canon EF 16-35/2.8 L II USM	16-35	2.8	26-56	EF	0.3	0.64	112	88	82	1112	.14-03	1272	.14-03	1295	.14-03	LR	1395	.14-03	canW
Canon EF 17-35/2.8 L USM	17-35	2.8	27-56	EF	0.4	0.55	96	84	77	567	.14-03	677	.14-03	650	.13-02	camW	1035	.12-02	keh
Canon EF 17-40/4 L USM	17-40	4	27-64	EF	0.3	0.50	97	84	77	526	.14-03	636	.14-03	600	.14-03	bergen	685	.14-03	igor
Canon EF 20-35/2.8 L USM	20-35	2.8	32-56	EF	0.5	0.54	79	89	72	463	.14-03	644	.14-03	500	.13-07	ado	795	.12-04	camW
Canon EF 24-70/2.8 L USM	24-70	2.8	38-110	EF	0.4	0.95	124	83	77	906	.14-03	1161	.14-03	1100	.14-03	camW	1330	.14-03	b&h
Canon EF 24-70/2.8 L II USM	24-70	2.8	38-110	EF	0.4	0.80	112	89	82	1722	.14-02	1906	.14-03	1740	.14-03	keh	1950	.14-03	jack's
Canon EF 24-70/4 L IS USM	24-70	4	38-110	EF	0.4	0.60	94	84	77	693	.14-03	<b>891</b>	.14-03				1080	.14-03	keh
Canon EF 24-105/4 L IS USM	24-105	4	38-168	EF	0.5	0.67	107	84	77	582	.14-03	671	.14-03	616	.14-03	keh	675	.14-03	igor
Canon EF 28-70/2.8 L USM	28-70	2.8	45-110	EF	0.5	0.88	118	83	77	648	.14-03	839	.14-03	665	.14-03	keh	750	.14-03	b&h
Canon EF 28-80/2.8-4 L USM	28-80	2.8-4	45-128	EF	0.3	0.95	120	84	72	437	.14-03	578	.14-01	890	.13-04	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	901	.14-03	1054	.14-03	1050	.14-03	ado	1250	.12-12	camW
Canon EF 70-200/2.8 L IS USM	70-200	2.8	110-320	EF	1.4	1.59	197	86	77	1180	.14-03	1498	.14-03	1450	.14-03	keh	1595	.14-03	camW
Canon EF 70-200/2.8 L IS II USM	70-200	2.8	110-320	EF	1.2	1.49	199	89	77	1864	.14-03	2060	.14-03	1895	.14-03	LR	1995	.13-07	camW
Canon EF 70-200/4 L USM	70-200	4	110-320	EF	1.2	0.71	173	77	67	458	.14-03	555	.14-03	484	.13-07	keh	550	.14-03	b&h
Canon EF 70-200/4 L IS USM	70-200	4	110-320	EF	1.2	0.76	172	76	67	763	.14-03	894	.14-03	920	.14-03	keh	995	.14-03	camW
Canon EF 80-200/2.8 L	80-200	2.8	128-320	EF	1.8	1.33	186	84	72	694	.14-03	796	.14-03	695	.14-03	keh			
Canon EF 200-400/4 L IS 1.4x	200-400	4, 5.6	320-640	EF	2.0	3.62	366	128	52di	9850	.14-01	<b>11300</b>	.13-09				11800	.13-07	b&h
Canon EF 8-15mm f/4L Fisheye USM	8-15	4	13-24	EF	0.2	0.54	83	79	x	1043	.13-05	1215	.14-03	1050	.14-03	b	1250	.13-07	ado
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	1652	.14-03	1978	.14-03	1695	.14-03	igor	2030	.14-03	keh
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	874	.14-03	1120	.14-03	1030	.14-03	keh	1245	.12-12	igor
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	382	.14-02	494	.14-01	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	958	.14-03	1141	.14-03	1095	.14-03	LR	1035	.14-03	keh
Canon EF 100-300/5.6 L	100-300	5.6	160-420	EF	1.5	0.70	167	75	58	241	.14-03	350	.14-03	286	.14-03	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	988	.14-03	1213	.14-03	1120	.14-03	keh	1400	.13-07	ado
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	439	.14-03	561	.14-03	550	.14-03	LR	425	.14-03	camtec
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	429	.14-03	503	.14-03	520	.14-03	LR	600	.13-09	camtec
Canon EF-S 17-55/2.8 IS USM	17-55	2.8	27-88	EF-S	0.4	0.65	110	84	77	566	.14-03	756	.14-03	810	.13-07	ado	775	.13-10	camtec
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	174	.14-03	215	.14-03	205	.14-03	keh	250	.14-03	jack's
Canon EF 70-300/4-5.6 IS USM	70-300	4-5.6	110-420	EF	1.5	0.63	143	76	58	263	.14-03	328	.14-03	255	.14-03	keh	345	.14-03	b&h
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	584	.14-03	706	.14-03	525	.14-03	keh	750	.14-03	b&h

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df	E t	M-	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 8/4 FE (180/22)	8	4.0	13	EF	0.2	0.32	62	74	rg	444	.14-02	563	.14-03		665	.14-03	keh		
Sigma	EX 14/2.8 ASP IF DG	14	2.8	22	EF	0.2	0.63	91	82	rg	458	.14-03	525	.14-03	546	.14-01	keh			
Sigma	EX 15/2.8 FE (180/44)	15	2.8	24	EF	0.2	0.33	71	74	rg	389	.14-03	441	.14-03	350	.14-01	keh	500	.14-01	keh
Sigma	EX 20/1.8 Asp DG RF rl	20	1.8	32	EF	0.2	0.52	87	89	82	333	.14-02	423	.14-01	380	.14-03	keh	465	.12-04	keh
Sigma	EX 24/1.8ASP DG DF rl	24	1.8	38	EF	0.2	0.49	80	83	77	304	.14-03	378	.13-04	350	.13-04	b&h	275	.13-07	keh
Sigma	EX 28/1.8	28	1.8	45	EF	0.3	0.29	62	69	58	179	.14-03	288	.13-04	275	.14-01	keh	450	.14-03	ado
Sigma	EX 35/1.4 DG HSM Art	35	1.4	56	EF	0.3	0.67	94	77	67	716	.14-03	774	.14-03				820	.14-01	keh
Sigma	EX 50/1.4 DG HSM	50	1.4	80	EF	0.5	0.51	68	85	77	319	.14-01	376	.14-03	350	.14-01	keh	325	.14-03	igor
Sigma	EX 50/1.4 DG HSM Art	50	1.4	80	EF	0.4		100	85	77	0		0							
Sigma	EX 50/2.8 DG macro	50	2.8	80	EF	0.2	0.32	67	71	55	176	.14-02	234	.14-01	190	.13-07	keh	170	.14-03	camW
Sigma	EX 70/2.8 DG macro	70	2.8	112	EF	0.3	0.53	95	76	62	218	.14-01	350	.14-03	300	.14-01	keh	440	.13-07	ado
Sigma	EX 85/1.4 DG	85	1.4	136	EF	0.9	0.73	86	86	77	693	.13-12	808	.14-01	820	.14-01	keh	810	.12-12	ado
Sigma	EX 105/2.8 macro	105	2.8	168	EF	0.3	0.45	95	74	58	233	.14-03	357	.13-10	205	.14-03	keh	340	.12-02	keh
Sigma	EX 105/2.8 macro OS	105	2.8	168	EF	0.3	0.73	126	79	62	423	.14-03	0							
Sigma	EX 150/2.8 DG APO Macro	150	2.8	240	EF	0.4	0.90	137	80	72	433	.14-01	512	.14-03	570	.14-03	keh			
Sigma	EX 150/2.8 DG APO Macro OS	150	2.8	240	EF	0.4	1.15	150	80	72	771	.14-03	<b>927</b>	.14-03						
Sigma	EX 180/2.8 APO Macro OS	180	2.8	288	EF	0.5	1.64	204	95	86	0		<b>927</b>	.14-03						
Sigma	EX 180/3.5 APO Macro	180	3.5	288	EF	0.5	0.95	180	80	72	420	.13-01	557	.14-03	400	.14-01	keh			
Sigma	EX 300/2.8 AF APO	300	2.8	480	EF	2.5	2.40	214	119	46	1243	.13-02	1638	.14-03	1900	.14-03	keh			
Sigma	EX 500/4.5 DG APO AF	500	4.5	800	EF	4.0	3.10	350	123	46	2125	.13-02	3123	.13-01	2999	.14-03	ctc			
Sigma	EX 800/5.6 DG APO AF	800	5.6	1280	EF	7.0	4.74	520	157	46	3550	.13-04	4266	.13-01	2300	.14-03	b&h			
Sigma	EX 12-24/4.5-5.6 ASP DG rl	12-24	4.5-5.6	19-38	EF	0.3	0.62	100	87	rg	425	.14-02	565	.14-03	484	.14-03	keh	700	.13-07	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	299	.14-03				275	.12-01	camW
Sigma	EX 24-60/2.8 DG	24-60	2.8	38-96	EF	0.4	0.56	85	89	77	213	.14-03	303	.14-03	310	.13-07	keh			
Sigma	EX 24-70/2.8 ASP DF DG	24-70	2.8	38-112	EF	0.4	0.70	114	89	82	399	.14-01	515	.14-03	465	.14-03	keh	560	.13-02	national
Sigma	EX 24-105/4 OS Art	24-105	4.0	38-155	EF	0.5	0.89	109	89	82	0		0							
Sigma	EX 28-70/2.8 ASP EX DG	28-70	2.8	45-112	EF	0.4	0.65	101	84	77	228	.14-03	272	.14-03	254	.14-03	keh			
Sigma	EX 50-500/4-5.6 APO	50-500	4-6.5	80-800	EF	1-3	1.65	218	94	86c	636	.14-03	767	.14-03	645	.14-03	keh	695	.14-03	keh
Sigma	EX 50-500/4-5.6 APO OS	50-500	4-6.5	80-800	EF	0.5	1.96	218	104	95	908	.14-03	1058	.14-03	1325	.13-04	ado			
Sigma	EX 70-200/2.8 APO	70-200	2.8	112-320	EF	1.8	1.39	180	86	77	489	.14-03	647	.14-03	650	.14-03	ado	725	.14-03	keh
Sigma	EX 70-200/2.8 APO OS	70-200	2.8	112-320	EF	1.4	1.43	198	86	77	866	.14-03	<b>1045</b>	.13-10	1000	.14-03	keh	<b>1400</b>	.11-12	b&h
Sigma	EX 100-300/4 APO IF	100-300	4	160-480	EF	1.8	1.48	224	92	82	562	.14-03	709	.11-11	480	.13-02	keh	900	.13-04	b&h
Sigma	EX 120-300/2.8 HSM	120-300	2.8	192-480	EF	2.5	2.60	269	113	105	1221	.14-03	1683	.13-01	1300	.14-03	keh	1600	.13-02	keh
Sigma	EX 120-300/2.8 OS HSM	120-300	2.8	192-480	EF	1.5-2.5	2.95	289	114	105	1787	.13-07	2125	.14-03	2250	.13-07	ado	<b>2700</b>	.13-04	b&h
Sigma	EX 120-300/2.8 OS II HSM	120-300	2.8	192-480	EF	1.5	3.39	291	121	105	2107	.14-01	<b>2708</b>	.14-03				<b>3600</b>	.14-03	keh
Sigma	DG 120-400 APO OS HSM	120-400	4.5-5.6	192-640	EF	1.5	1.75	204	93	77	573	.14-03	845	.13-04	740	.14-03	ado	751	.13-07	keh
Sigma	DG 150-500 OS APO HSM	150-500	5-6.3	240-800	EF	2.2	1.91	252	75	58	693	.14-03	824	.14-03	695	.14-03	keh	900	.13-04	ado
Sigma	EX 200-500/2.8 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	4333	.14-01	5335	.14-01				4850	.12-01	ado

											eBay		other suppliers							
f	f/	1.6x	mt	MFD	wt	L	D	Df			E t	M-	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	389	.14-03	447	.14-03	500	.14-03	keh	500	.13-06	camren
Tamron	SP 17/3.5 [51B] (bi filters)	17	3.5	27	A2	0.3	0.27	45	70	82*	170	.14-03	224	.13-05	225	.14-03	keh	250	.10-09	b&h
Tamron	SP 17/35 [151B]	17	3.5	27	A2	0.3	0.27	48	71	82*	201	.14-03	265	.14-01	200	.12-04	ado	265	.11-11	keh
Tamron	SP 90/2.5 Macro [58BB]	90	2.5	144	A2	0.4	0.41	102	68	55	118	.14-03	152	.14-03	110	.14-03	keh			
Tamron	SP 90/2.8 AF Di Macro 1:1	90	2.8	144	EF	0.3	0.40	97	71	55	230	.14-03	330	.14-03	265	.14-03	keh	375	.14-03	ado
Tamron	SP 180/2.5 LD IF MF	180	2.5	288	A2	1.2	0.87	120	82	77	300	.13-06	470	.14-03						
Tamron	SP 180/3.5 AF Di Macro 1:1	180	3.5	288	EF	0.5	0.92	166	85	72	409	.14-03	530	.14-03	500	.14-01	keh	650	.14-03	ado
Tamron	SP 300/2.8 MF LD IF full set	300	2.8	480	A2	2.5	2.21	212	120	43di	636	.14-03	810	.14-03	1250	.12-01	ado	1550	.12-09	v.v
Tamron	SP 300/2.8 MF LD IF	300	2.8	480	A2	2.5	2.21	212	120	43di	514	.13-04	605	.14-03	650	.14-03	ado			
Tamron	SP 300/2.8 AF LD IF	300	2.8	480	EF	2.5	2.80	216	119	43di	1269	.14-01	1443	.13-02	1270	.14-03	keh	1275	.11-12	igor
Tamron	SP 300/5.6 (54B)	300	5.6	480	A2	1.4	0.65	170	65	58	111	.14-02	224	.13-02	133	.11-11	keh			
Tamron	SP 350/5.6 Cat	350	5.6	560	A2	1.1	0.62	75	86	82	518	.14-03	658	.14-03	430	.14-03	keh			
Tamron	SP 400mm f/4 LD (IF) MF	400	4	640	A2	3.0	2.30	293	118	43di	766	.13-05	979	.14-01						
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	113	.14-03	223	.13-05	245	.12-04	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*	133	.14-03	434	.11-04						
Tamron	SP 24-70/2.8 Di VC USD	24-70	2.8	38-112	EF	0.4	0.83	109	88	82	853	.14-03	900	.14-03	1050	.13-07	ado	<b>1300</b>	.14-03	keh
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	141	.14-02	217	.14-02	225	.13-07	keh			
Tamron	SP 28-75/2.8 XR Di AF	28-75	2.8	45-115	EF	0.3	0.51	92	73	67	283	.14-03	351	.14-03	310	.14-03	keh	380	.13-02	keh
Tamron	SP 28-105/2.8 LD ASP AF	28-105	2.8	45-168	EF	0.4	0.85	105	87	82	247	.14-02	386	.14-03	340	.14-03	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	56	.13-01	125	.14-03	95	.13-02	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	408	.13-08	486	.14-03						
Tamron	SP 70-200/2.8 Di [A001]	70-200	2.8	112-320	EF	1.0	1.15	194	90	77	498	.14-03	619	.14-03	550	.14-03	ado	710	.13-02	ado
Tamron	SP 70-200/2.8 Di VC [A009]	70-200	2.8	112-320	EF	1.3	1.47	197	86	77	855	.14-02	<b>1119</b>	.14-03	1350	.14-03	ado	<b>1500</b>	.14-03	keh
Tamron	SP 70-300/4-5.6 VC	70-300	4-5.6	112-480	EF	1.4	0.77	143	82	62	264	.14-03	319	.13-12	265	.14-03	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	196	.14-03	363	.14-03	395	.12-01	v.v	430	.12-01	keh
Tamron	SP 150-600/5-6.3 VC	150-600	5-6.3	240-960	EF	2.7	1.95	258	106	95	0		<b>1165</b>	.14-03						
Tamron	LD 200-400/5.6 IF	200-400	5.6	320-640	EF						219	.14-01	289	.14-03	200	.14-03	keh	350	.09-08	v.v
Tamron	SP 200-500/5.6 LD IF [31A]	200-500	5.6	320-800	A2	2.5	2.74	361	105	95	394	.14-03			255	.12-04	keh			
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	469	.14-03	690	.14-03	430	.14-03	keh	535	.13-07	keh

\* hood accepts filter

	f	f/	1.6x	mt	MFD	wt	L	D	Df	eBay		other suppliers								
										E t		M-		E to E+		M- to N				
										\$US	date	\$US	date	\$US	date	site	\$US	date	site	
<b>Tokina manual and autofocus</b>																				
Tokina	RMC 17/3.5 SL	17	3.5	27.2	x	0.3	0.29	52	70	67	209	.14-03	297	.14-03	230	.13-07	ado			
Tokina	AT-X 17/3.5 AF Pro	17	3.5	27.2	EF	0.3	0.44	65	88	77	305	.14-03	356	.14-03	325	.13-02	keh	380	.08-05	keh
Tokina	AT-X 90/2.5 Macro	90	2.5	144	x	0.4	0.53	64	80	55	345	.14-03	432	.14-02						
Tokina	AT-X 100/2.8 Macro	100	2.8	160	EF	0.3	0.54	95	73	55	280	.14-03	395	.13-07	325	.14-03	keh	340	.14-03	keh
Tokina	AT-X 300/2.8 AF PRO	300	2.8	480	EF	2.4	2.30	187	117	112	770	.14-03	1558	.14-02	1370	.14-03	keh			
Tokina	AT-X 300/2.8 SD MF	300	2.8	480	x						784	.13-07	1325	.11-10						
Tokina	AT-X 300/4 AF Pro	300	4.0	480	EF						351	.13-10	431	.14-03						
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	343	.14-03	482	.14-03				550	.13-07	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	405	.14-03	504	.14-03	450	.11-11	ado	550	.14-03	camtec
Tokina	AT-X Pro 12-24/4 DG	12-24	4	19-38	EF-S	0.6	0.30	90	84	77	315	.14-02	448	.14-03	380	.13-04	ado	400	.14-03	ado
Tokina	AT-X Pro 16-28/2.8 FX	16-28	2.8	26-45	EF	0.3	0.95	133	90	x	596	.14-03	<b>785</b>	.14-01	645	.13-07	keh	695	.12-05	keh
Tokina	AT-X Pro 17-35/4 FX	17-35	4.0	27-56	EF	0.3	0.60	94	89	82	375	.13-02	399	.14-03						
Tokina	AT-X Pro 20-35/2.8	20-35	2.8	32-56	EF	0.5	0.59	86	84	77			158	.14-03	275	.13-07	keh			
Tokina	AT-X 24-40/2.8	24-40	2.8	38-64	x	0.4	0.51	79	75	72	114	.12-10	156	.14-03	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	251	.14-03	339	.14-02	415	.12-04	keh			
Tokina	AT-X Pro, Pro II	28-70	2.6-2.8	45-112	EF	0.7	0.75	107	79	77	253	.14-03	337	.13-02	310	.13-07	keh			
Tokina	AT-X Pro AF	28-80	2.8	45-128	EF	0.5	0.82	120	84	77	278	.14-03	353	.14-03	245	.13-07	keh			
Tokina	AT-X & AT-X Pro 828 AF	80-200	2.8	128-320	EF	1.8	1.35	184	84	77	364	.14-01	549	.12-11	400	.14-03	keh			
Tokina	AT-X	100-300	4.0	160-480	EF	2.0	1.52	229	81	77	200	.14-03	300	.14-03	295	.12-02	jack's			



											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* 15/3.5 ZE	15	2.8	24	ZE	0.3	0.82	135	103	95	2433	.14-03	<b>2820</b>	.13-05	2510	.13-04	b&h	<b>2950</b>	.13-09	camtec
Carl Zeiss	Distagon T* 18/3.5 ZE	18	3.5	29	ZE	0.3	0.47	84	87	82	964	.14-02	1083	.14-03	1035	.14-03	keh	<b>1395</b>	.13-09	camtec
Carl Zeiss	Distagon T* 21/2.8 ZE	21	2.8	34	ZE	0.2	0.72	109	87	82	1303	.14-03	1458	.14-03	1300	.14-03	keh	1370	.14-03	keh
Carl Zeiss	Distagon T* 25/2 ZE	25	2	40	ZE	0.3	0.60	98	73	67	1109	.14-02	1231	.14-03				<b>1695</b>	.13-09	camtec
Carl Zeiss	Distagon T* 25/2.8 ZE	25	2.8	40	ZE	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	ZE	0.2	0.52	93	64	58	756	.14-01	914	.14-03	890	.14-01	keh	<b>1280</b>	.13-09	camtec
Carl Zeiss	Distagon T* 35/1.4 ZE	35	1.4	56	ZE	0.3	0.85	120	78	72	1362	.14-03	1639	.13-10	1400	.14-03	ado	1370	.14-03	keh
Carl Zeiss	Distagon T* 35/2 ZE	35	2	56	ZE	0.3	0.53	73	65	58	693	.14-03	844	.14-03	725	.14-01	keh	751	.14-03	keh
Carl Zeiss	Planar T* 50/1.4 ZE	50	1.4	80	ZE	0.5	0.38	48	71	58	485	.14-03	585	.14-03	525	.14-01	keh	525	.14-03	igor
Carl Zeiss	Makro-Planar T* 50/2 ZE [1:2]	50	2	80	ZE	0.2	0.53	88	72	67	842	.14-03	1006	.14-03	895	.13-07	LR	<b>1280</b>	.13-09	camtec
Carl Zeiss	Otus Apo Dist'gn T* 55/1.4 ZE	55	1.4	88	ZE	0.5	1.03	144	93	77	0		<b>4144</b>	.14-01				<b>3990</b>	.14-02	camtec
Carl Zeiss	Planar T* 85/1.4 ZE	85	1.4	136	ZE	1.0	0.70	85	78	72	846	.14-03	972	.14-03	1000	.13-07	keh	1100	.14-03	ado
Carl Zeiss	Makro-Planar T* 100/2 ZE [1:2]	100	2	160	ZE	0.4	0.68	113	76	67	1251	.14-03	1533	.14-03	1430	.14-01	keh	1345	.14-01	camtec
Carl Zeiss	Apo Sonnar T* 135/2 ZE	135	2	216	ZE	0.8	0.93	130	84	77	1512	.14-03	1879	.14-03				<b>2100</b>	.13-09	camtec
<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	1395	.13-04	2626	.13-08	1500	.09-12	b&h	3000	.13-04	kevin
Carl Zeiss	F-Distagon 16/2.8 fe	16	2.8	26	CY	0.3	0.46	62	70	bi	650	.14-03	1280	.12-01	1600	.14-03	keh	1550	.13-04	kevin
Carl Zeiss	Distagon T* 18/4 [x]	18	4	29	CY	0.3	0.35	52	70	co	552	.13-10	673	.14-03	695	.13-04	keh	900	.14-03	b&h
Carl Zeiss	Distagon T* 21/2.8	21	2.8	34	CY	0.2	0.53	91	85	82	1342	.13-04	1817	.14-01	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	430	.14-02	539	.14-03	624	.14-03	ado	500	.13-07	ado
Carl Zeiss	Distagon T* 28/2	28	2	45	CY	0.2	0.53	76	63	55	816	.14-03	1041	.13-12	900	.13-07	ado	1400	.13-04	kevin
Carl Zeiss	Distagon T* 28/2.8	28	2.8	45	CY	0.3	0.28	50	63	55	336	.14-03	444	.14-03	325	.14-03	keh	550	.14-03	b&h
Carl Zeiss	Distagon T* 35/1.4	35	1.4	56	CY	0.3	0.60	76	70	67	1046	.14-03	1350	.14-01				1450	.13-04	leitax
Carl Zeiss	Distagon T* 35/2.8	35	2.8	56	CY	0.4	0.24	46	63	55	262	.14-03	326	.14-02	250	.14-03	bergen			
Carl Zeiss	PC Distagon T* 35/2.8	35	2.8	56	CY	0.3	0.74	86	70	70co	1103	.14-03	1833	.14-02	1670	.12-04	keh			
Carl Zeiss	Tessar T* 45/2.8	45	2.8	72	CY	0.6	0.09	18	58	49	182	.14-03	264	.14-03	225	.14-03	keh	340	.13-07	ado
Carl Zeiss	Planar T* 50/1.4	50	1.4	80	CY	0.5	0.29	41	63	55	247	.14-03	360	.14-03	400	.14-03	b&h	450	.13-07	camW
Carl Zeiss	Planar T* 50/1.7	50	1.7	80	CY	0.6	0.19	36	59	55	163	.14-03	228	.14-03	200	.14-03	ado	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	.13-04	kevin
Carl Zeiss	Macro-Planar T* 60/2.8 S [1:1]	60	2.8	96	CY	0.1	0.57	74	76	67	450	.14-03	592	.14-02	700	.14-03	b&h	750	.14-03	b&h
Carl Zeiss	Macro-Planar T* 60/2.8 C [1:2]	60	2.8	96	CY	0.3	0.27	52	65	55	443	.14-01	586	.14-02	570	.13-04	keh	700	.12-12	b&h

											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	Planar T* 85/1.2	85	1.2	136	CY	1.0	0.87	73	80	77	2668	.12-11	3463	.14-03			5460	.13-02	leitax	
Carl Zeiss	Planar T* 85/1.4	85	1.4	136	CY	1.0	0.60	64	70	67	589	.14-03	736	.14-03	700	.14-03	ado	795	.14-03	camW
Carl Zeiss	Sonnar T* 85/2.8	85	2.8	136	CY	1.0	0.23	47	61	55	266	.14-03	345	.14-03	400	.14-03	ado	550	.14-03	b&h
Carl Zeiss	Planar T* 100/2	100	2	160	CY	1.0	0.67	84	70	67	831	.14-03	1081	.14-03	1050	.13-02	ado	1430	.13-02	keh
Carl Zeiss	Makro-Planar T* 100/2.8 [1:1]	100	2.8	160	CY	0.5	0.74	87	76	67	759	.14-03	983	.14-03	820	.13-07	keh	800	.13-04	b&h
Carl Zeiss	Sonnar T* 100/3.5	100	3.5	160	CY	1.0	0.29	61	63	55	329	.14-03	586	.14-03	425	.13-04	kevin	525	.13-04	kevin
Carl Zeiss	S-Planar 100/4 (bellows)	100	4	160	CY	x	0.28	49	63	55	0		0					2000	.13-04	kevin
Carl Zeiss	Planar T* 135/2	135	2	216	CY	1.5	0.79	101	75	72	952	.14-03	1242	.14-03	1035	.13-07	keh	1700	.13-04	kevin
Carl Zeiss	Sonnar T* 135/2.8	135	2.8	216	CY	1.6	0.59	93	69	55	218	.14-03	335	.14-03	224	.14-03	ado	395	.14-03	camW
Carl Zeiss	Sonnar T* 180/2.8	180	2.8	288	CY	1.4	0.99	131	82	72	353	.14-03	533	.13-01	400	.14-03	ado	495	.13-08	igor
Carl Zeiss	Sonnar T* 180/2.8 MM	180	2.8	288	CY	1.4	0.82	131	78	72	373	.14-03	506	.14-03	340	.13-07	keh	600	.14-03	b&h
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	199	.14-03	276	.14-02	200	.14-03	bergen	325	.13-04	kevin
Carl Zeiss	Tele-Tessar T* 200/4	200	4	320	CY	2.0	0.55	121	66	55	178	.14-03	273	.14--01	235	.11-05	keh	450	.12-09	v.v
Carl Zeiss	Tele-Apotessar T* 300/2.8	300	2.8	480	CY	3.5	2.73	244	120	111	0		0					14000	.13-04	kevin
Carl Zeiss	Tele-Tessar T* 300/4	300	4	480	CY	3.5	1.20	205	88	82	372	.14-03	585	.14-01	300	.14-03	keh			
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	215	.14-03	323	.14-01	300	.14-03	ado			
Carl Zeiss	vSonnar T* 28-85/3.3-4	28-85	3.3-4	45-136	CY	0.6	0.74	99	86	82	403	.14-03	488	.14-03	484	.14-03	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	448	.14-03	562	.14-03	625	.14-03	keh	665	.13-04	keh
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	742	.14-03	905	.14-02	835	.12-04	ado	1300	.13-04	kevin
Carl Zeiss	vSonnar T* 40-80/3.5	40-80	3.5	64-128	CY	1.2	0.66	87	67	55	195	.14-01	330	.14-02	230	.14-03	bergen	400	.13-04	kevin
Carl Zeiss	vSonnar T* 70-210mm f/3.5	70-210	3.5	112-336	CY	1.8	1.15	186	77	67	870	.14-01	1175	.14-01	1200	.14-01	ctc	1500	.14-03	b&h
Carl Zeiss	vSonnar T* 80-200mm f/4	80-200	4	128-320	CY	1.0	0.68	161	67	55	242	.14-03	305	.14-03	286	.13-07	keh	450	.13-04	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	816	.14-03	911	.14-03	1035	.12-04	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	556	.14-03	639	.11-08	450	.12-09	b&h	616	.11-01	keh
Carl Zeiss	Planar T* 85/1.4 N	85	1.4	136	N	0.8	0.80	80	90	82	685	.13-04	1404	.14-01	1170	.09-08	keh	1304	.14-03	ado
Carl Zeiss	Makro-Sonnar T* 100/2.8	100	2.8	160	N	0.3	0.96	130	86	72	620	.14-03	670	.14-01	525	.14-03	keh	800	.13-02	b&h
Carl Zeiss	Tele-Apotessar T* 400/4 N	400	4	640	N	2.9	3.58	290	120	d.i.	2850	.09-09	3684	.12-10						
Carl Zeiss	vSonnar T* 17-35/2.8 N	17-35	2.8	27-56	N	0.5	0.90	96	102	95	1298	.14-03	1445	.14-01	1430	.14-03	ado			
Carl Zeiss	vSonnar T* 17-35/2.8 N	17-35	2.8	27-56	EF	0.5	0.90	96	102	95	2100	.13-12	2700	.13-01						
Carl Zeiss	vSonnar T* 24-85/3.5-4.5 N	24-85	3.5-4.5	38-136	N	0.5	0.57	71	90	82	363	.14-03	528	.14-01	300	.13-02	b&h	550	.12-01	ado
Carl Zeiss	vSonnar T* 24-85/3.5-4.5 N	24-85	3.5-4.5	38-136	EF	0.5	0.57	75	90	82	775	.14-01	1100	.13-04						
Carl Zeiss	vSonnar T* 70-300/4-5.6 N	70-300	4-5.6	112-420	N	1.5	1.07	129	88	72	311	.14-01	410	.14-02	450	.13-04	b&h	490	.13-04	b&h

											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 M42</b>																				
Carl Zeiss	Ultron 50/1.8	50	1.8	80	M42					0	487	.14-03								
<b>Carl Zeiss Jena manual focus (no zebras)</b>																				
Zeiss Jena	Flektogon 20/2.8	20	2.8	32	M42	0.2	0.31	47	74	67	354	.13-10	456	.14-03						
Zeiss Jena	Flektogon 20/4	20	4	32	M42	0.2	0.34	49	83	77	268	.14-03	350	.14-03						
Zeiss Jena	28/2.8 MC	28	2.8	45	M42					49	100	.14-03	161	.14-03						
Zeiss Jena	Flektogon 35/2.4 MC	35	2.4	56	M42	0.2	0.25	52	64	49	223	.14-03	306	.14-02						
Zeiss Jena	Pancolar MC 50/1.4	50	1.4	80	M42						0		404	.14-03						
Zeiss Jena	Pancolar MC 50/1.8	50	1.8	80	M42	0.3	0.20	39	84	49	121	.14-03	189	.14-01						
Zeiss Jena	Biotar 75/1.5	75	1.5	120	M42	0.8				58	925	.14-03	1388	.14-03						
Zeiss Jena	Pancolar MC 80/1.8	80	1.8	128	M42	0.4					666	.14-01	821	.14-02						
Zeiss Jena	Sonnar MC 135/3.5	135	3.5	216	M42	1.0	0.38	82	65	49	115	.14-03	180	.14-03						
Zeiss Jena	Sonnar MC 180/2.8	180	2.8	288	M42	2.2	1.10	146	100	86	228	.14-01	318	.14-01						
Zeiss Jena	Sonnar MC 200/2.8	200	2.8	320	M42	2.2	1.20	146		77	232	.14-01	350	.14-03	350	.13-04	v.v			
Zeiss Jena	Sonnar MC 300/4	300	4.0	480	M42						0		238	.14-01	450	.13-04	v.v			
<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	366	.14-03	446	.13-10	450	.13-02	b&h	500	.14-03	ado
Voigtlander	20/3.5 Color Skopar Asp SL II	20	3.5	32	EFx	0.2	0.20	29	63	52	376	.14-01	452	.14-03	400	.12-04	c'quest	590	.13-02	ado
Voigtlander	28/2.8 Color Skopar Asp SL II	28	2.8	45	EFx								400	.14-03				480	.14-03	ado
Voigtlander	35/2.8 Color Skoparex SL	35	2.8	56	M42						206	.14-02	0							
Voigtlander	40/2 Ultron Asp SL II	40	2	64	x	0.4	0.20	25	63	52	320	.14-03	408	.14-03	260	.11-01	b&h	400	.12-12	b&h
Voigtlander	40/2 Ultron Asp SL II	40	2	64	EFx	0.4	0.20	23	64	52	343	.14-03	480	.14-03	364	.14-01	keh	400	.14-01	keh
Voigtlander	50/1.8 Color Ultron SL	50	1.8	80	x						149	.14-02	246	.14-03						
Voigtlander	58/1.4 Nokton SL-II	58	1.4	93	x	0.5	0.32	48	64	58	327	.14-01	417	.14-01				<b>449</b>	.11-05	camtec
Voigtlander	75/1.8 Heliar Classic	75	1.8	120	EFx		0.42	57	71	58										
Voigtlander	75/2.5 Color Heliar SL	75	2.5	120	x	0.7	0.25	40	64	49	305	.14-01	553	.14-03						
Voigtlander	90/3.5 Apo-Lanthar CF SL	90	3.5	144	x	0.5	0.39	58	64	49	330	.14-03	506	.14-03	265	.09-12	jack's	425	.12-04	c'quest
Voigtlander	90/3.5 Apo-Lanthar CF SL II	90	3.5	144	EFx	0.5	0.32	48	63	52	397	.13-10	510	.13-08	484	.14-03	keh	450	.13-02	ado
Voigtlander	125/2.5 Apo-Lanthar Macro SL	125	2.5	200	x	0.4	0.69	88	76	58	1231	.14-03	2237	.14-03	2450	.12-01	ado			
Voigtlander	125/2.5 Apo-Lanthar Macro SL	125	2.5	200	EFx	0.4	0.69	88	76	58	0		2256	.14-03						
Voigtlander	180/4 Apo-Lanthar CF SL	180	4	288	x	1.2	0.49	79	66	49	990	.14-01	1143	.14-03						
<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	1025	.14-03	1276	.12-10	1600	.12-04	ado	1895	.12-01	camW
Schneider	PA-Curtagon 35/4 Shift	35	4	56	x						356	.13-09	492	.14-03	510	.13-02	ado	495	.13-07	igor
Schneider	PC TS Super-Angulon 50/2.8	50	2.8	80	EFx	0.7	1.40	108	129		1550	.14-02	2401	.14-03				<b>3365</b>	.13-08	b&h
Schneider	PC TS Makro-Symmar 90/4.5	90	4.5	144	EFx	0.6	1.11	139	108		0		1702	.13-08				3180	.13-08	b&h

											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>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.	2126	.13-10	3365	.11-10	2450	.13-07	ado	
Leica	Fisheye-Elmarit-R	16	2.8		LR	0.3					710	.14-03	1038	.13-05	790	.14-03	keh	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.	1105	.14-01	1510	.14-03	995	.14-03	igor	1295 .14-03 igor
Leica	Super Angulon R 21mm f/4	21	4	34	LR						723	.14-03	861	.14-03	1000	.14-03	keh	995 .14-03 igor
Leica	Elmarit R 24/2.8	24	2.8	38	LR	0.3	0.40				473	.14-03	575	.14-03	600	.14-03	bergen	795 .14-03 camW
Leica	Elmarit R 24/2.8 ROM	24	2.8	38	LR						630	.14-03	1000	.14-02				695 .14-03 camW
Leica	Elmarit-R 28/2.8	28	2.8	45	LR	0.3	0.28	40	63	S7	490	.14-03	651	.14-03	415	.14-03	igor	
Leica	Elmarit-R 28/2.8 E55 pre-ROM	28	2.8	45	LR	0.3	0.44	48	68	55	0	.10-05	1684	.14-03				
Leica	Elmarit-R 28/2.8 ROM	28	2.8	45	LR	0.3	0.44	48	68	55	935	.11-03	1953	.14-01	1650	.11-10	ado	
Leica	PC-Super-Angulon 28/2.8 shift	28	2.8	45	LR						1116	.14-03	1756	.10-09	1495	.12-02	tamark	1675 .14-03 igor
Leica	Summilux-R 35/1.4	35	1.4	56	LR	0.5	0.69	76	75	67	933	.11-01	1721	.12-11	1400	.09-12	b&h	1825 .10-05 igor
Leica	Summilux-R 35/1.4 ROM	35	1.4	56	LR						1849	.12-11	3077	.14-02				2995 .11-11 camW
Leica	Summicron-R 35/2 3cam	35	2	56	LR	0.3	0.43	54	66	55	761	.14-03	973	.13-11	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	964	.13-08	1092	.14-01	975	.14-03	igor	
Leica	Summicron-R 35/2 ROM	35	2	56	LR						1256	.13-09	1846	.13-10				995 .14-03 camW
Leica	Elmarit R-35/2.8 II h-lugs	35	2.8	56	LR	0.3	0.41	40	63	VII	368	.14-03	474	.14-03	450	.14-03	camW	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	424	.14-03	533	.14-03	525	.13-02	igor	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	642	.13-10	1153	.14-03	1200	.14-03	bergen	
Leica	Summilux-R 50/1.4 E60 ROM	50	1.4	80	LR						2795	.12-05	3930	.14-03	3080	.13-07	ado	4800 .13-04 kevin
Leica	Summicron-R 50/2 E55	50	2	80	LR	0.5	0.29	41	66	55	429	.14-03	551	.14-03	550	.14-03	ado	645 .14-03 camW
Leica	Macro-Elmarit-R 60/2.8 3-cam	60	2.8	96	LR	0.3	0.40	62	68	55	464	.14-03	608	.14-03	500	.14-03	b&h	800 .13-04 kevin
Leica	Summilux-R 80/1.4	80	1.4	128	LR	0.8	0.70	69	75	67	1792	.14-03	2298	.14-03	2000	.13-07	ado	1845 .14-03 igor
Leica	Summilux-R 80/1.4 ROM	80	1.4	128	LR	0.8	0.70	68	75	67	2388	.14-02	4126	.13-04				
Leica	Summicron-R 90/2 E55	90	2	144	LR	0.7	0.52	61	69	55	640	.14-03	883	.14-03	700	.13-07	ado	900 .13-04 kevin
Leica	Apo-Summicron-R 90/2 ASPH	90	2	144	LR	0.7	0.52	59	70	60	2831	.13-04	3672	.14-03	4500	.12-04	bergen	
Leica	Elmarit R 90/2.8 E55	90	2.8	144	LR	0.7	0.45	57	67	55	403	.14-03	564	.14-03	375	.13-07	igor	795 .14-03 camW
Leica	Apo-Macro 100/2.8 ROM	100	2.8	160	LR	0.5	0.76	105	73	60	1408	.14-03	2120	.14-02	2000	.14-03	ado	2000 .12-04 b&h
Leica	Macro-Elmarit-R 100/4	100	4	160	LR						341	.14-03	552	.13-10	350	.14-03	ado	345 .13-04 national
Leica	Elmarit-R 135/2.8	135	2.8	216	LR	1.5	0.73	93	67	55	276	.14-03	383	.14-03	325	.14-03	keh	575 .13-04 kevin
Leica	Apo-Summicron-R 180/2	180	2	288	LR	1.5	2.50	175	117	100	3598	.12-05	4682	.13-04	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	2615	.12-04	3093	.14-03	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	331	.14-01	564	.14-03	450	.14-03	ado	675 .11-11 igor
Leica	Apo-Telyt-R 180/3.4 E60	180	3.4	288	LR	2.5	0.75	133	67	60	881	.14-03	1024	.14-03	945	.14-03	igor	1200 .13-04 kevin
Leica	Elmar-R 180/4	180	4	288	LR	1.8	0.55	100	66	55	288	.14-03	444	.14-03	425	.14-03	igor	495 .12-04 camW
Leica	Telyt-R 250/4	250	4	400	LR	4.0	0.49			s8	333	.14-03	591	.13-05	325	.14-03	v.v	
Leica	Apo-Telyt-R 280/2.8	280	2.8	448	LR						2092	.14-03	3302	.14-03	3050	.13-07	ado	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	4598	.14-03				3995 .10-05 camW
Leica	Vario-Elmar-R 80-200/4	80-200	4	128-320	LR	1.1	1.02	165	71	60	916	.14-03	1339	.14-03	1430	.14-03	keh	1595 .13-07 camW

											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>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	.08-03							
Nikon	Nikkor 8/2.8 FE [220 deg]	8	2.8	13	AIS	0.3	1.10	128	1234	b.i.	1565	.14-03	2540	.13-04	1670	.13-07	keh	3495	.13-08	camW	
Nikon	Nikkor 13/5.6	13	5.6	13	AI						15227	.14-02	24995	.12-09							
Nikon	Nikkor 15/3.5	15	3.5	24	AIS	0.3	0.63	84	90	94	739	.14-01	909	.14-03	850	.14-03	keh	1500	.14-03	b&h	
Nikon	Nikkor 18/3.5	18	3.5	29	AIS	0.3	0.35	62	75	72	389	.14-01	525	.14-01	546	.13-07	keh	700	.12-02	b&h	
Nikon	Nikkor 20/2.8	20	2.8	32	AIS	0.3	0.26	43	69	62	300	.14-03	402	.14-01	420	.13-07	b&h	525	.12-02	keh	
Nikon	Nikkor 20/3.5	20	3.5	32	AI	0.3	0.24	41	64	52	228	.13-12	355	.14-01	280	.14-03	ado	360	.12-04	ado	
Nikon	Nikkor 28/3.5 PC AI (bk knob)	28	3.5	45	AI	0.3	0.38	69	78	72	332	.14-03	528	.14-03	325	.14-03	keh	585	.14-03	igor	
Nikon	Nikkor 28/4 PC AI	28	4	45	AI	0.3	0.41		78	72	380	.14-01	568	.12-01	380	.14-03	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	343	.14-03	478	.14-03	546	.14-03	keh	525	.14-03	igor	
Nikon	Nikkor 35/2.8 PC n AI (bk knob)	35	2.8	56	AI	0.3	0.32	66	62	52	277	.14-01	471	.14-03	350	.14-03	ado				
Nikon	Nikkor 50/1.2 AIS	50	1.2	80	AIS	0.5	0.41	50	72	52	378	.14-03	479	.14-03	490	.14-03	ado	751	.13-04	keh	
Nikon	Noct-Nikkor 58/1.2	58	1.2	93	AI	0.5	0.47	52	74	52	2743	.14-02	3507	.14-03	3000	.13-04	ado				
Nikon	Nikkor 85/1.4 AIS	85	1.4	136	AIS	0.9	0.62	65	81	72	466	.14-03	629	.14-03	525	.14-03	igor	900	.13-07	b&h	
Nikon	Nikkor 105/1.8 AIS	105	1.8	168	AIS	1.0	0.58	81	79	62	366	.14-01	507	.14-03	465	.14-03	igor	795	.11-11	camW	
Nikon	Nikkor-P Auto 105/2.5	105	2.5	168	F	1.0	0.44	66	69	52	128	.14-03	170	.14-03	126	.14-03	keh	265	.13-07	keh	
Nikon	Nikkor 105/2.5	105	2.5	168	AI	1.0	0.44	69	66	52	124	.14-03	221	.14-03	150	.14-03	keh	195	.14-03	v.v	
Nikon	Nikkor 135/2 AIS	135	2	216	AIS	1.3	0.86	94	81	72	377	.14-01	534	.14-03	475	.14-03	igor	750	.11-10	ado	
Nikon	Nikkor 200/2 AIS	200	2	320	AIS	2.4	2.40	222	138	122	1336	.14-02	1935	.14-01	2150	.14-03	ado	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	1088	.14-01	1703	.13-12	950	.13-07	b&h	1375	.12-04	camW	
Nikon	Nikkor *ED 400/2.8 IF MF	400	2.8	640	AIS	4.6	5.15	379	163	52 di	1861	.14-01	2504	.14-02	3150	.13-07	ado				
Nikon	Nikkor *ED 400/3.5 IF MF	400	3.5	640	AIS	4.6	2.80	297	135	122-39	1233	.14-03	1788	.13-04	1670	.14-03	keh				
Nikon	Nikkor ED 500/4 P	500	4	800	AIS	5.0	3.00	384	138	39 di	1992	.14-03	2549	.14-03	2550	.14-03	ado				
Nikon	Nikkor *ED 600/4 IF MF	600	4	960	AIS	7.6	5.65	465	173	39 di	2473	.14-01	2975	.14-03	2570	.12-04	b&h				
Nikon	Nikkor *ED 600/5.6 IF MF	600	5.6	960	AIS	6.1	2.70	382	134	39 di	1585	.14-01	2182	.14-02							
Nikon	Nikkor *ED 800/5.6 IF MF	800	5.6	1280	AIS	8.0	5.45	546	163	52 di	2801	.14-03	3567	.14-03	3650	.13-04	b&h	4560	.12-04	keh	
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	1332	.14-02	1517	.14-03	1540	.13-07	keh	1740	.13-07	keh	
Nikon	Nikkor 200-400/4 *ED MF	200-400	4	320-640	AIS	3.7	4.00	330	144	122	2550	.12-11	3500	.14-01							

											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>Olympus OM manual focus</b>																				
Olympus	Zuiko 18/3.5 MC Auto-W	18	3.5	29	OM	0.3	0.25	42	62	49>72	695	.14-03	944	.14-03	850	.14-03	keh	1300	.13-04	kevin
Olympus	Zuiko 21/2	21	2	34	OM	0.2	0.25	44	60	55	785	.14-03	1048	.14-03	900	.13-10	b&h	1170	.13-10	keh
Olympus	Zuiko 21/3.5	21	3.5	34	OM	0.2	0.18	31	59	49	307	.14-03	419	.14-03	400	.13-07	ado	395	.13-04	v.v
Olympus	Zuiko Auto-W (fe)	24	2	38	OM	0.3	0.28	48	60	55	381	.14-01	602	.14-02	430	.13-10	keh	850	.13-04	kevin
Olympus	Zuiko, H.Zuiko	24	2.8	38	OM	0.3	0.18	31	59	49	164	.14-03	219	.14-03	145	.14-03	igor	175	.13-10	igor
Olympus	Zuiko Shift	24	3.5	38	OM	0.4	0.51	75	84	bi	662	.14-01	1250	.14-02	1035	.14-03	keh	1300	.13-07	b&h
Olympus	Zuiko Shift	35	2.8	56	OM	0.3	0.31	58	68	49	333	.14-03	470	.14-01	340	.13-07	ado	530	.13-07	b&h
Olympus	Zuiko 40/2 Auto-S	40	2	64	OM	0.3	0.14	25	60	49	361	.14-02	467	.14-03	415	.13-02	keh	450	.12-11	igor
Olympus	Zuiko 50/1.2 Auto-S	50	1.2	80	OM	0.5	0.29	43	65	49	425	.14-02	633	.14-02	700	.14-02	ado			
Olympus	Zuiko 50/1.8 Auto-S	50	1.8	80	OM	0.45	0.2	31	61	49	0		0		45	.14-03	keh			
Olympus	Zuiko 55/1.2 Auto-S	55	1.2	80	OM	0.5	0.31	47	65	49	351	.14-01	451	.14-03	474	.13-04	ado	600	.12-02	kevin
Olympus	Zuiko 85/2 Auto-T	85	2	136	OM	0.9	0.26	48	60	49	259	.14-03	358	.14-03	230	.13-04	ctc	245	.14-03	igor
Olympus	Zuiko 90/2 MC Macro	90	2	144	OM	0.4	0.55	71	72	55	815	.14-03	1016	.14-02	920	.13-02	keh			
Olympus	Zuiko 100/2 Auto-T (ED)	100	2	160	OM	0.7	0.52	72	70	55	773	.14-02	996	.14-03	920	.14-03	keh			
Olympus	Zuiko 135/4.5 MC Macro	135	4.5	216	OM	x	0.32	47	60	55	227	.14-03	327	.14-02				245	.13-04	keh
Olympus	Zuiko Auto-T	180	2	288	OM	1.6	1.90	173	107	100			5453	.13-11	2300	.13-04	kevin			
Olympus	Zuiko 200/4 Auto-T	200	4	288	OM	2.5	0.51	127	67	55	105	.14-03	158	.14-03	100	.13-04	ado			
Olympus	Zuiko Auto-T	250	2	400	OM	2.2	3.90	246	142	46di	0		3425	.13-02				4500	.13-04	kevin
Olympus	Zuiko Auto-T	350	2.8	560	OM	3.0	3.90	280	142	46di	3850	.14-03			3850	.13-04	ado	4095	.10-09	kevin
Olympus	Zuiko Zoom 35-80/2.8 (ED)	35-80	2.8	56-128	OM	0.6	0.65	99	69	62	1328	.14-02	1663	.14-03	1080	.13-04	keh	1600	.13-04	kevin

**Pentax Takumar & SMC Takumar M42 manual focus**

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	226	.14-03	301	.14-03	310	.14-03	keh	550	.10-09	kevin
Pentax	SMC Takumar FE 17/4	17	4	27	M42	0.2	0.23	32	67	bi	231	.13-01	382	.14-03	275	.13-04	igor			
Pentax	Super-Takumar 20/4.5	20	4.5	32	M42	0.2	0.25	45	62	77	118	.14-03	339	.13-03	200	.14-03	b&h			
Pentax	SMC Takumar 20/4.5	20	4.5	32	M42	0.2	0.25	45	62	77	261	.13-05	284	.14-03						
Pentax	Auto-Takumar 85/1.8	85	1.8	136	M42	0.9	0.33	55	63	55	290	.13-01	363	.14-03						
Pentax	SMC Takumar 85/1.8	85	1.8	136	M42	0.9	0.34	57	65	58	352	.14-03	457	.14-03	546	.14-03	keh	575	.12-02	kevin
Pentax	SMC Takumar 135/2.5	135	2.5	216	M42	1.5	0.44	86	67	58	157	.14-03	269	.14-03	150	.13-07	keh	195	.13-05	camW
Pentax	SMC Takumar 500/4.5 ps	500	4.5	800	M42	10.0	3.50			46	391	.14-03	500	.14-03						

											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</b>																		
Pentax	SMC Pentax "1:3.5/15" AL	15	3.5	24	K	0.3	0.55	82	80	bi	599	.13-05	919	.11-08	2200	.12-02	kevin	
Pentax	SMC Pentax "3.5 15mm"	15	3.5	24	K	0.3	0.60	82	80	1	0		770		725	.14-03	keh	1250 .10-09 kevin
Pentax	SMC Pentax-A 15/3.5	15	3.5	24	KA	0.3	0.60	82	80	bi	689	.14-03	1087	.11-10	960	.14-03	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	301	.14-03	602	.09-10	800	.14-03	ado	
Pentax	SMC Pentax 17/4 FE	17	4	27	K	0.2	0.24	34	65	bi	265	.14-03	406	.13-08	380	.13-07	keh	500 .12-02 kevin
Pentax	SMC Pentax 18/3.5	18	3.5	29	K	0.3	0.30	62	63	58	440	.14-03	634	.14-03	725	.14-03	keh	950 .13-04 kevin
Pentax	SMC Pentax-A 20/2.8	20	2.8	32	KA	0.3	0.25	44	70	67	409	.14-03	572	.14-03	665	.14-03	keh	
Pentax	SMC Pentax 20/4	20	4	32	K	0.3	0.30	57	63	58	375	.14-03	527	.13-01				600 .13-04 kevin
Pentax	SMC Pentax-M 20/4	20	4	32	K	0.3	0.15	30	63	49	287	.14-03	347	.14-03	395	.14-03	kevin	525 .14-03 kevin
Pentax	SMC Pentax 28/2	28	2	32	K	0.3	0.423	63	69	52	0		832	.14-02	429	.14-03	keh	
Pentax	SMC Pentax 28/2.5 Shift	28	3.5	45	K	0.3	0.61	93	80	b.i.	510	.14-03	713	.13-06				495 .13-11 v.v
Pentax	SMC Pentax 50/1.2	50	1.2	80	K	0.5	0.39	49	65	52	352	.14-01	431	.14-03	465	.14-03	keh	600 .13-08 b&h
Pentax	SMC Pentax-A 50/1.2	50	1.2	80	KA	0.5	0.35	49	65	52	444	.14-01	652	.14-01	616	.14-03	keh	
Pentax	SMC Pentax-A 50/1.4	50	1.4	80	KA	0.5	0.27	37	63	49	115	.14-03	155	.14-03	160	.14-03	keh	
Pentax	SMC Pentax-A 50/1.7	50	1.7	80	KA	0.5	0.19	31	63	49	83	.12-01	113	.14-03	60	.14-03	keh	125 .10-09 kevin
Pentax	SMC Pentax-A 50/2.8 Macro	50	2.8	80	KA	0.2	0.22	50	63	49	165	.14-02	229	.14-03	235	.13-07	keh	
Pentax	SMC Pentax-A* 85mm f/1.4	85	1.4	136	KA	0.9	0.56	66	74	67	888	.10-05	1276	.14-03	1170	.13-04	ado	
Pentax	SMC Pentax 85/1.8	85	1.8	136	K	0.9	0.33	56	64	52	379	.13-02	441	.14-01	569	.14-03	keh	850 .13-04 kevin
Pentax	SMC Pentax 85/2	85	2	136	K	0.9	0.25	46	63	49	192	.14-02	303	.14-03	364	.14-03	keh	425 .13-04 kevin
Pentax	SMC Pentax 85/2.2 Soft	85	2.2	136	K	0.6	0.24	72	52	49	264	.14-03	318	.14-01				440 .14-03 ado
Pentax	SMC Pentax-A 100/2.8 macro	100	2.8	160	KA	0.3	0.47	93	74	58	571	.14-03	755	.14-03	751	.12-01	keh	950 .13-04 kevin
Pentax	SMC Pentax-A* 135mm f/1.8	135	1.8	216	KA	1.2	0.87	98	80	77	1000	.14-03	2213	.13-11	2570	.13-09	keh	
Pentax	SMC Pentax 135/2.5	135	2.5	216	K	1.5	0.50	86	68	58	165	.14-03	314	.13-09	205	.14-03	keh	195 .13-02 camW
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	41	.14-03	keh	45 .12-12 camW
Pentax	SMC Pentax 200/2.5	200	2.5	320	K	2.0	0.95	145	89	77	414	.14-01	554	.14-03	500	.14-03	b&h	795 .12-02 kevin
Pentax	SMC Pentax-A* ED 200/2.8	200	2.8	320	KA	1.8	0.85	138	91	77	695	.14-03	782	.14-01				
Pentax	SMC Pentax-A* ED 200/4 Macro	200	4	320	KA	0.6	0.90	145	71	58	2075	.13-05	2440	.14-03				
Pentax	SMC Pentax-A* ED 300/2.8 IF	300	2.8	480	KA	3.0	2.97	236	133	49	1850	.13-04	2306	.12-03	1900	.10-05	ado	
Pentax	SMC Pentax-M* 300/4	300	4	480	K	4.0	0.83	132	84	77	406	.14-03	699	.12-03	175	.14-03	igor	
Pentax	SMC Pentax-A* 300/4	300	4	480	KA	4.0	0.85	132	84	77	513	.14-03	626	.13-05	500	.14-03	ado	
Pentax	SMC Pentax-A* ED 400/2.8 IF	400	2.8	640	KA	4.5	6.00	325	165	49	2225	.14-03	5000	.13-04	3390	.09-09	keh	3900 .09-10 b&h
Pentax	SMC Pentax-M, -A 400/5.6	400	5.6	520	K	5.0	1.22	277	85	77	431	.14-02	684	.14-02	300	.14-03	ado	600 .13-08 ado
Pentax	SMC Pentax 500/4.5 (ma)	500	4.5	800	K	10.0	3.37	440	127	52	596	.14-02	0		415	.13-08	keh	
Pentax	SMC Pentax-A* 600/5.6 ED IF	600	5.6	960	KA	5.5	3.28	386	133	112-49	2259	.13-10	2848	.10-06	1695	.09-09	camW	
Pentax	SMC Pentax 1000/11 cat	1000	11	1600	K	8.0	2.30	248	119	52	457	.12-09	899	.14-03				
Pentax	SMC Pentax-A* ED 1200/8 IF	1200	8	1920	KA	8.0	8.58	684	170	49	0		0					

											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>Other manual focus</b>																				
Minolta	MC Rokkor-X 58/1.2	58	1.2	93	EFx	0.6	0.46	54	69	55	397	.14-01	574	.14-03	450	.13-07	b&h			
Samyang	14/2.8 AS UMC	14	2.8	22	EFx	0.3	0.57	94	87	x	248	.14-03	295	.14-03				325	.14-03	keh
Samyang	24/1.4 AS UMC	24	1.4	38	EFx	0.3		98	83	77	351	.13-12	530	.14-03						
Samyang	24/3.5 ED AS UMC T-S	24	3.5	38	EFx	0.2	0.68	113	45	82	0		<b>704</b>	.14-03				<b>1000</b>	.13-05	ado
Rokinon	35/1.4 AS UMC	35	1.4	56	EFx	0.3	0.42	77	83	77	321	.14-03	413	.14-03	365	.13-07	keh	380	.14-03	keh
Rokinon	85/1.4 Aspherical IF	85	1.4	136	EFx	1.0	0.54	75	78	72	206	.14-03	278	.13-08	200	.14-03	keh	225	.13-07	keh
Spiratone	20/2.8 PC	20	2.8	32	x	0.2	0.21	39	63	58	97	.14-03	193	.14-03						
Mamiya	mamiya/sekor AUTO 21/4 SX	21	4	34	M42	0.5	0.22	49	62	58	150	.13-01	218	.13-10						
Mamiya	mamiya/sekor AUTO 35/2.8 SX	35	2.8	56	M42	0.4	0.21			52	78	.13-01	0							
Mamiya	mamiya/sekor AUTO 50/1.4 SX	50	1.4	80	M42	0.5	0.21			49	0		0							
Mamiya	macro Sekor 60/2.8 [1:1]	60	2.8	96	M42	0.2	0.40	66	66	58	191	.13-02	251	.13-02	204	.13-04	ado			
Mamiya	mamiya/sekor AUTO 85/1.7 SX	85	1.7	136	M42	0.9	0.50			58	0									
Fuji Photo	EBC Fujinon-Fisheye 16/2.8	16	2.8	26	M42	0.3	0.43			b.i.	0		0							
Fuji Photo	EBC Fujinon-SW 19/3.5	19	3.5	30	M42	0.3	0.26			72	326	.14-03	<b>415</b>	.13-01						
Fuji Photo	EBC Fujinon-SW 24/2.8	24	2.8	38	M42	0.3	0.18			49	200	.13-04	0							
Fuji Photo	EBC Fujinon-W 35/1.9	35	1.9	56	M42	0.4	0.23			49	250	.13-10	301	.14-01						
Fuji Photo	EBC Fujinon-W 35/2.8	35	2.8	56	M42	0.4	0.19	44	60	49	107	.14-03	146	.13-12						
Fuji Photo	EBC Fujinon 50/1.4	50	1.4	80	M42	0.5	0.27	43	63	49	137	.14-03	198	.14-03						
Fuji Photo	EBC Fujinon Macro 55/3.5	55	3.5	88	M42	0.4	0.19			49	180	.14-01	267	.14-01						
Fuji Photo	EBC Fujinon 85/4 soft	85	4	136	M42	1.0	0.29			49	104	.13-10	825	.14-02						
Fuji Photo	EBC Fujinon 100/2.8	100	2.8	160	M42	1.2	0.25			49	158	.14-02	244	.13-10						
Fuji Photo	EBC Fujinon-T 135/2.5	135	2.5	216	M42	1.5	0.43	80	66	58	162	.13-09	282	.13-12						
Cosina	Revueon 55/1.2	55	1.2	88	K					58	420	.14-03	425	.14-03						
Tomioka	Auto Tominon	55	1.2	88	x						0		1026	.13-12						
Tomioka	Auto Yashinon (Porst Color Reflex	55	1.2	88	x						540	.14-03	869	.13-12						
Tomioka	Yashinon macro	60	2.8	96	x						178	.14-03	308	.14-02						
Porst	135/1.8	135	1.8	216	x						320	.12-11	433	.12-11						
Vivitar	Series 1 450/4.5 Solid Cat	450	4.5	720		3.7	1.6	152	117	97	1050	.14-02	1105	.13-04						
Vivitar	Series 1 600/8 Solid Cat	600	8	960	T	6.8	1.4	105	106	35.5	333	.14-03	430	.14-01						
Vivitar	Series 1 800/11 Solid Cat	800	11	1280							263	.14-02	400	.14-02	460	.13-02	ado			
Zenitar	Zenit 16/2.8 FE (180/44)	16	2.8	26	x	0.3	0.31	49	63	rf	134	.14-03	<b>198</b>	.14-03	165	.13-01	keh			



Medium Format Lenses		f (mm)	f/ 1.6x	mt	MFD (m)	wt (kg)	L (mm)	D (mm)	Df (mm)	eBay		other suppliers								
										E 1		M-		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.	915	.13-09	1503	.12-10	1370	.14-03	keh	<b>1480</b>	.14-01	keh
Mamiya	Mamiya-Sekor C 35/3.5 N	35	3.5	56	M645	0.5	0.45	61	80	77	237	.14-03	337	.14-02	300	.14-03	keh	295	.13-07	igor
Mamiya	Mamiya-Sekor C 45/2.8 N	45	2.8	72	M645	0.5	0.48	70	71	67	157	.14-03	237	.13-10	180	.14-03	keh	380	.13-07	b&h
Mamiya	Mamiya-Sekor C 50/4 Shift	50	4	80	M645	0.5	0.74	105	80	77	422	.14-03	590	.14-03	395	.14-03	v.v	600	.14-03	b&h
Mamiya	Mamiya-Sekor C 55/2.8 N	55	2.8	88	M645	0.5	0.31	59	70	58	121	.13-12	183	.14-02	140	.14-03	keh	195	.12-04	camW
Mamiya	Mamiya-Sekor C 80/1.9	80	1.9	128	M645	0.7	0.42	59	76	67	244	.14-03	321	.14-03	340	.14-03	keh			
Mamiya	Mamiya-Sekor C 80/1.9 N	80	1.9	128	M645						259	.14-03	378	.14-03	546	.12-04	keh			
Mamiya	Mamiya-Sekor C 80/2.8	80	2.8	128	M645	0.7	0.25	47	70	58	60	.13-02	105	.14-03	72	.14-01	keh			
Mamiya	Mamiya-Sekor C 80/2.8 N	80	2.8	128	M645	0.7	0.22	43	70	58	93	.14-03	145	.14-03	105	.14-03	keh	145	.12-02	keh
Mamiya	Mamiya-Sekor C 80/4 N Macro	80	4	128	M645	0.4	0.59	75	79	67	156	.14-01	274	.14-01	200	.14-03	b&h	245	.13-02	igor
Mamiya	Mamiya-Sekor C 110/2.8 N	110	2.8	176	M645	1.2	0.39	60	70	58	141	.14-01	206	.12-04	172	.14-03	keh			
Mamiya	Mamiya-Sekor C 145/4 SF	145	4	232	M645						141	.13-10	225	.14-01	165	.14-01	keh	250	.12-04	ado
Mamiya	Mamiya-Sekor C 150/3.5 N	150	3.5	240	M645	1.5	0.42	80	70	58	102	.14-03	131	.13-12	100	.14-03	igor	135	.13-07	jack's
Mamiya	Mamiya-Sekor C 210/4 N	210	4	336	M645	2.5	0.72	137	70	58	107	.14-03	171	.14-03	80	.14-03	keh	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	153	.14-03	200	.14-03	140	.14-03	keh	400	.13-07	b&h
Mamiya	Mamiya-Sekor C 500/5.6	500	5.6	800	M645	9.0	2.28	358	114	105	392	.14-03	597	.14-03	415	.14-03	keh	700	.13-07	b&h
Mamiya	Mamiya A 120/4 Macro	120	4	192	M645	0.4	0.75	111	77	67	279	.14-03	401	.14-03	350	.14-03	keh	500	.14-03	b&h
Mamiya	Mamiya A 150/2.8	150	2.8	240	M645	1.5	0.74	107	75	67	207	.14-03	322	.13-04	300	.14-03	b&h			
Mamiya	Mamiya A 200/2.8 APO	200	2.8	320	M645	2.5	1.10	144	91	77	829	.13-12	1048	.14-03	850	.13-07	b&h	1080	.14-01	keh
Mamiya	Mamiya A 300/2.8 APO	300	2.8	480	M645	3.5	2.70	237	140	43.5di	1837	.13-12	2450	.13-12	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	<b>17.4k</b>	.10-02	mpex
Mamiya	Mamiya C 55-110/4.5 N	55-110	4.5		M645	1.5	0.80	104		67	172	.14-03	252	.13-10	180	.13-02	keh	310	.12-01	keh
Mamiya	Mamiya C ULD 105-210/4.5	105-210	4.5		M645	1.8	0.88	158	75	58	161	.13-10	202	.14-02	165	.14-03	igor	350	.12-12	b&h
<b>Schneider-Kreusnach manual focus</b>																				
Sch-K	Curtagon MF 60/3.5	60	3.5	96	P6	0.6	0.57	84	81	67	647	.13-04	1017	.14-03						
Sch-K	Xenotar MF 80/2.8	80	2.8	128	P6	0.6	0.50	72	84	67	800	.12-12	1135	.14-03						
Sch-K	Tele-Xenar MF 150/4	150	4	240	P6	1.5	0.76	101	84	67	512	.12-10	990	.14-03						
Sch-K	Tele-Xenar MF 250/5.6	250	5.6	400	P6	3.0	0.90	168	84	67	660	.11-12	1350	.12-12						
<b>Pentax P645 manual and autofocus</b>																				
Pentax	SMC Pentax-A 645 35/3.5	35	3.5	56	P645	0.3	0.47	67	80	77	486	.14-03	600	.14-03						
Pentax	SMC Pentax-FA 645 35/3.5	35	3.5	56	P645	0.3	0.56	90	88	82	1133	.14-03	1536	.14-03						
Pentax	SMC Pentax-A 645 55/2.8	55	2.8	56	P645	0.5	0.41	61	74	58	84	.14-01	183	.14-03	144	.14-01	keh	245	.14-01	v.v
Pentax	SMC Pentax-FA 645 55/2.8 AL	55	2.8	56	P645	0.5	0.42	68	81	67	0		0					920	.14-01	keh
Pentax	SMC Pentax-A 645 75/2.8	75	2.8	56	P645	0.6	0.24	38	74	58	121	.14-01	253	.14-01						
Pentax	SMC Pentax-FA 645 75/2.8	75	2.8	56	P645	0.6	0.22	37.5	75	58	181	.14-01	279	.14-01						
Pentax	SMC Pentax-A 645 120/4 Mac	120	4	56	P645	0.4	0.70	110	79	67	185	.14-01	275	.14-01				350	.14-01	v.v
Pentax	SMC Pentax-FA 645 120/4 Mac	120	4	56	P645	0.4	0.74	110	83	67	234	.14-01	457	.14-01						

											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>Fujifilm XF autofocus</b>																				
Fujifilm	Fujinon XF 14/2.8 R	14	2.8	21	X	0.2	0.24	58	65	58	666	.14-03	736	.14-03	645	.14-03	keh	<b>900</b>	.13-05	b&h
Fujifilm	Fujinon XF 18/2 R	18	2.0	27	X	0.2	0.12	41	65	52	298	.14-03	369	.14-03	340	.14-03	keh	400	.14-03	bergen
Fujifilm	Fujinon XF 23/1.4 R	23	1.4	35	X	0.3	0.30	63	72	62	702	.14-03	<b>714</b>	.14-03				750	.14-03	ado
Fujifilm	Fujinon XF 27/2.8 R	27	2.8	41	X	0.3	0.08	23	61	39	175	.14-03	199	.14-03				<b>200</b>	.14-03	ado
Fujifilm	Fujinon XF 35/1.4 R	35	1.4	53	X	0.3	0.19	55	65	52	398	.14-03	452	.14-03	500	.13-04	henrys	<b>450</b>	.14-03	ado
Fujifilm	Fujinon XF 56/1.2 R	56	1.2	84	X	0.7	0.41	70	73	62	0		<b>1098</b>	.14-03						
Fujifilm	Fujinon XF 60/2.4 R Macro	60	2.4	90	X	0.3	0.22	71	64	39	357	.14-03	456	.14-03				550	.14-03	camW
Fujifilm	Fujinon XF 10-24/4 OIS	10-24	4.0	15-35	X	0.2	0.41	87	78	72	0		<b>1136</b>	.14-03						
Fujifilm	Fujinon XF 16-50/3.5-5.6 OIS	16-50	3.5-5.6	24-75	X	0.3	0.20	65	63	58	154	.14-03	<b>204</b>	.14-03				195	.14-03	camW
Fujifilm	Fujinon XF 18-55/2.8-4 OIS	18-55	2.8-4	27-85	X	0.3	0.31	70	65	58	331	.14-03	343	.14-03				425	.14-03	camW
Fujifilm	Fujinon XF 18-135/2.8-4 OIS WR	18-135	3.5-5.6	27-200	X	-	-	-	-	-	0		0							
Fujifilm	Fujinon XF 50-230/4.5-6.7 OIS	50-250	4.5-6.7	75-345	X	1.1		111	70	58	0		<b>399</b>	.14-02						
Fujifilm	Fujinon XF 55-200/3.5-4.8 OIS	55-200	3.5-4.8	85-300	X	1.1	0.58	118	75	62	455	.14-03	517	.14-03				<b>700</b>	.13-05	b&h
Fujifilm	WCL-X100 wide conversion	19	-	28	M49	-	0.15	55	37	49	247	.14-03	<b>296</b>	.14-03						
Fujifilm	TCL-X100 wide conversion	35	-	50	M49	-				49	0		0							
<b>Zeiss X autofocus</b>																				
Zeiss	Touit 12/2.8	12	2.8	18	X	0.2	0.26	68	88*	67	0		<b>1050</b>	.14-03				<b>999</b>	.13-11	b&h
Zeiss	Touit 32/1.8	32	1.8	48	X	0.3	0.21	58	75	52	600	.14-03	<b>900</b>	.13-06				<b>720</b>	.13-11	b&h
Zeiss	Touit 50/2.8 Macro	50	2.8	75	X	0.2	0.29	91	65		0		0					<b>~1000</b>		<b>(RSP)</b>
<b>Voigtlander LM/LTM manual focus</b>																				
Voigtlander	12/5.6 ASPH UW Heliar	12	5.6	18	LTM	0.3	0.16	38	51	77*	479	.13-07	601	.14-01	395	.12-02	v.v	<b>607</b>	.13-02	b&h
Voigtlander	12/5.6 ASPH UW Heliar II	12	5.6	18	LM	0.5	0.16	43	75	67	520	.14-03	711	.13-12				<b>871</b>	.13-04	camtec
Voigtlander	15/4.5 ASPH SW Heliar DS	15	4.5	23	LTM	0.3	0.11	31	50	77*	361	.14-01	439	.14-03	350	.14-03	ado	<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	356	.13-05	492	.14-03	480	.13-02	b&h	<b>605</b>	.13-04	camtec
Voigtlander	21/1.8 ASPH Ultron	21	1.8	32	LM	0.7	0.41	78	69	58	0		1114	.14-03				<b>2181</b>	.13-04	camtec
Voigtlander	28/1.9 ASPH Ultron (D)	28	1.9	42	LTM	0.7	0.26	47	53	46	404	.14-03	539	.13-10				0		
Voigtlander	28/2 Ultron	28	2	42	LM	0.7	0.24	51	55	46	401	.14-01	490	.14-01				<b>631</b>	.13-04	camtec
Voigtlander	35/1.2 Nokton ASPH	35	1.2	53	LM	0.7	0.49	78	63	52	896	.14-03	1108	.13-01				1199	.12-04	c'quest
Voigtlander	35/1.2 Nokton ASPH II	35	1.2	53	LM	0.5	0.47	62	61	52	864	.14-03	1105	.14-03	1100	.13-07	b&h	<b>1307</b>	.13-04	camtec
Voigtlander	35/1.4 MC/SC Nokton	35	1.4	70	LM	0.7	0.20	29	55	43	423	.14-03	544	.14-02				580	.13-02	ado
Voigtlander	40/1.4 MC/SC Nokton	40	1.4	80	LM	0.7	0.20	40	55	43	347	.14-03	435	.14-01	490	.13-04	ado	<b>520</b>	.13-04	camtec
Voigtlander	50/1.1 Nokton	50	1.1	75	LM	1.0	0.43	57	70	58	692	.14-03	849	.14-03	900	.13-02	ado	<b>1024</b>	.13-04	camtec
Voigtlander	50/1.5 ASPH Nokton	50	1.5	75	LTM	0.9	0.28	45	58	52	361	.13-05	519	.14-03						
Voigtlander	75/1.8 Heliar Classic	75	1.8	113	LM	0.9	0.43	74	58	52	0		648	.14-01				<b>733</b>	.13-04	camtec
<b>Canon RF manual focus</b>																				
Canon RF	35/2	35	2	53	LTM		0.11	28	49	40	431	.14-01	502	.12-10				395	.14-03	igor
Canon RF	50/0.95	50	0.95	75	S	1.1	0.61	48	79	72	1624	.14-03	2675	.14-03	1725	.13-07	igor	2370	.13-08	keh
Canon RF	50/1.2	50	1.2	75	LTM	1.1	0.33	39	62	55	388	.14-03	591	.14-03	495	.13-08	simon	1200	.12-02	kevin
<b>Nikon RF manual focus</b>																				
Nikon	Nikkor-N 50/1.1	50	1.1	75	S						3860	.12-04	4300	.12-02						

Comparison Page		f (mm)	f/ cf	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 300/2.8 L IS USM	300	2.8	480	EF	2.5	2.55	252	128	52 di	3477	.14-03	4137	.14-03	3500	.14-03	ado	4460	.13-07	keh
Canon	EF 400/4 DO IS USM	400	4	640	EF	3.5	1.94	233	128	52 di	3569	.14-03	4365	.14-03	4800	.14-03	b&h	5200	.14-03	b&h
Canon	EF 20/2.8 USM	20	2.8	32	EF	0.3	0.41	71	78	72	279	.14-01	335	.14-03	365	.14-01	keh	350	.14-03	camtec
Olympus	Zuiko 21/3.5	21	3.5	34	OM	0.2	0.18	31	59	49	307	.14-03	419	.14-03	400	.13-07	ado	395	.13-04	v.v
Pentax	SMC Pentax-A 20/2.8	20	2.8	32	KA	0.3	0.25	44	70	67	409	.14-03	572	.14-03	665	.14-03	keh			
Pentax	SMC Pentax-M 20/4	20	4	32	K	0.3	0.15	30	63	49	287	.14-03	347	.14-03	395	.14-03	kevin	525	.14-03	kevin
Canon	EF 70-200/4 L IS USM	70-200	4	110-320	EF	1.2	0.76	172	76	67	763	.14-03	894	.14-03	920	.14-03	keh	995	.14-03	camW
Canon	EF 70-300/4-5.6L IS USM	70-300	4-5.6	110-420	EF	1.2	1.05	143	89	67	958	.14-03	1141	.14-03	1095	.14-03	LR	1035	.14-03	keh
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	988	.14-03	1213	.14-03	1120	.14-03	keh	1400	.13-07	ado
Canon	EF 600/4 L IS USM	600	4	960	EF	5.5	5.36	456	168	52 di	5928	.14-03	6577	.14-03	6600	.13-07	keh	7990	.12-12	b&h
Canon	EF 600/4 L IS II USM	600	4	960	EF	4.5	3.92	447	168	52 di	0		12749	.13-05				12800	.13-04	b&h
Canon	EF 800/5.6 L IS USM	800	5.6	1280	EF	6.0	4.50	461	162	52 di	9050	.14-03	10080	.14-01	11500	.14-03	ado	10000	.14-01	keh
Sigma	EX 800/5.6 DG APO AF	800	5.6	1280	EF	7.0	4.74	520	157	46	3550	.13-04	4266	.13-01	2300	.14-03	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	4333	.14-01	5335	.14-01				4850	.12-01	ado
Canon	EF 300/2.8 L IS USM	300	2.8	480	EF	2.5	2.55	252	128	52 di	3477	.14-03	4137	.14-03	3500	.14-03	ado	4460	.13-07	keh
Canon	EF 500/4 L IS USM	500	4	800	EF	4.5	3.87	387	146	52 di	5184	.14-03	5936	.14-03	5600	.14-01	keh	5900	.14-01	keh
Tamron	SP 150-600/5-6.3 VC	150-600	5-6.3	240-960	EF	2.7	1.95	258	106	95	0		1165	.14-03						