

70–200mm

Zoom Lens Table

70–200mm

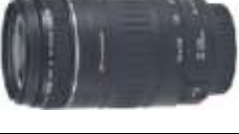
Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
70–200mm	f/2.8	PG DIG	HSF IS4 CTC	Canon Mar 2010	EF 70-200mm f/2.8L IS II USM		2499	2.86× Rotary	f/32	120cm 47.2 in 3.94 ft	0.21× 1:4.8	17.1×11.4cm 13.3×8.86cm 10.6×7.10cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF RUSM FTMF	23 E 19 G 8 BC	77mm	88.8mm 3.50 in	199mm 7.83 in	1490g 52.56 oz 3.285 lb	ET-87 Included
70–200mm	f/2.8	PG FLM	HSF IS3 CTC	Canon Sep 2001	EF 70-200mm f/2.8L IS USM		Disc	2.86× Rotary	f/32	140cm 55.1 in 4.59 ft	0.17× 1:5.9	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF RUSM FTMF	23 E 18 G 8 BC	77mm	86.2mm 3.39 in	197mm 7.76 in	1470g 51.85 oz 3.241 lb	ET-86 Included
70–200mm	f/2.8	PG FLM	HSF CTC	Canon Mar 1995	EF 70-200mm f/2.8L USM		1449	2.86× Rotary	f/32	150cm 59.1 in 4.92 ft	0.16× 1:6.3	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF RUSM FTMF	18 E 15 G 8 BC	77mm	84.6mm 3.33 in	193.6mm 7.62 in	1310g 46.21 oz 2.888 lb	ET-83II Included
70–200mm	f/2.8	HG DIG	HSF IS4 STC	Sigma	APO 70-200mm F2.8 EX DG OS HSM		1399	2.86× Rotary	f/22	140cm 55.1 in 4.59 ft	0.13× 1:8	28.8×19.2cm 22.3×14.9cm 17.8×11.9cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF HSM FTMF	22 E 17 G 9 BC	77mm	86.4mm 3.40 in	197.6mm 7.78 in	1430g 50.44 oz 3.153 lb	LH850-02 Included
70–200mm	f/2.8	HG DIG	HSF STC	Sigma	APO 70-200mm F2.8 EX DG HSM II Macro		Disc	2.86× Rotary	f/22	100cm 39.4 in 3.28 ft	0.29× 1:3.5	12.6×8.40cm 9.77×6.51cm 7.81×5.22cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF HSM FTMF	18 E 15 G 9 B	77mm	N/S	N/S	N/S	Included
70–200mm	f/2.8	HG DIG	HSF STC	Sigma	APO 70-200mm F2.8 EX DG HSM Macro		Disc	2.86× Rotary	f/22	100cm 39.4 in 3.28 ft	0.29× 1:3.5	12.6×8.40cm 9.77×6.51cm 7.81×5.22cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF HSM	18 E 15 G 9 B	77mm	86.6mm 3.41 in	184.4mm 7.26 in	1380g 48.68 oz 3.042 lb	LH850-01 Included
70–200mm	f/2.8	HG DIG	HSF STC	Sigma	APO 70-200mm F2.8 EX DG IF HSM		Disc	2.86× Rotary	f/32	180cm 70.9 in 5.91 ft	0.13× 1:7.8	28.1×18.7cm 21.8×14.5cm 17.4×11.6cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF HSM	17 E 14 G 9 B	77mm	86mm 3.39 in	183mm 7.20 in	1220g 43.03 oz 2.690 lb	Included
70–200mm	f/2.8	HG DIG	HSF STC	Sigma	APO 70-200mm F2.8 EX DG HSM		Disc	2.86× Rotary	f/32	180cm 70.9 in 5.91 ft	0.13× 1:7.8	28.1×18.7cm 21.8×14.5cm 17.4×11.6cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF HSM	17 E 14 G 9 B	77mm	86.2mm 3.39 in	184.0mm 7.24 in	1270g 44.80 oz 2.800 lb	Included
70–200mm	f/2.8	HG FLM	HSF STC	Sigma	70-200mm F2.8 EX APO IF HSM		Disc	2.86× Rotary	f/32	180cm 70.9 in 5.91 ft	0.13× 1:7.8	28.1×18.7cm 21.8×14.5cm 17.4×11.6cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF HSM	17 E 14 G 9 B	77mm	86mm 3.39 in	183.0mm 7.20 in	1220g 43.03 oz 2.690 lb	Included
70–200mm	f/2.8	HG DIG	HSF IS	Tamron	SP AF 70-200mm F/2.8 Di VC USD		1499	2.86× Rotary	f/32	160cm 63.0 in 5.25 ft	0.13× 1:8	28.8×19.2cm 22.3×14.9cm 17.8×11.9cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF USD	23 E 17 G 9 B	77mm	85.8mm 3.38 in	188.3mm 7.41 in	1470g 51.85 oz 3.241 lb	Included

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
70–200mm	f/2.8	HG DIG		Tamron	SP 70-200mm F/2.8 Di LD [IF] Macro		769	2.86× Rotary	f/32	95cm 37.4 in 3.12 ft	0.32× 1:3.1	11.2×7.44cm 8.65×5.77cm 6.91×4.62cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF DC	18 E 13 G 9 B	77mm	89.5mm 3.52 in	194.3mm 7.65 in	1150g 40.57 oz 2.535 lb	Included
70–200mm	f/4.0	PG DIG	HSF IS4 CTC	Canon Nov 2006	EF 70-200mm f/4L IS USM		1349	2.86× Rotary	f/32	120cm 47.2 in 3.94 ft	0.21× 1:4.8	17.1×11.4cm 13.3×8.86cm 10.6×7.10cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF RUSM FTMF	20 E 15 G 8 BC	67mm	76mm 2.99 in	172mm 6.77 in	760g 26.81 oz 1.676 lb	ET-74 Included
70–200mm	f/4.0	PG FLM	HSF CTC	Canon Sep 1999	EF 70-200mm f/4L USM		709	2.86× Rotary	f/32	120cm 47.2 in 3.94 ft	0.21× 1:4.8	17.1×11.4cm 13.3×8.86cm 10.6×7.10cm	70.0–200mm 90.3–258mm 113–323mm	MT MT MT TE TE LT	34.3–12.3° 26.9–9.58° 21.7–7.67°	28.8–10.3° 22.5–7.98° 18.1–6.38°	19.5–6.87° 15.1–5.32° 12.2–4.27°	IF RUSM FTMF	16 E 13 G 8 BC	67mm	76mm 2.99 in	172mm 6.77 in	705g 24.87 oz 1.554 lb	ET-74 Included
70–210mm	f/2.8	LG FLM	STC	Sigma	APO 70-210mm F2.8		Disc	3.00× Rotary	N/S	N/S	N/S	N/C	70.0–210mm 90.3–271mm 113–339mm	MT MT MT TE TE LT	34.3–11.8° 26.9–9.13° 21.7–7.31°	28.8–9.80° 22.5–7.60° 18.1–6.08°	19.5–6.54° 15.1–5.07° 12.2–4.06°	DC	N/S	N/S	N/S	N/S	N/S	Included
70–210mm	f/3.5	LG FLM		Vivitar	70-210mm f/3.5 Series 1 Macro		Disc	3.00× Linear	f/22	195cm 76.8 in 6.4 ft	0.46× 1:2.2	7.92×5.28cm 6.14×4.09cm 4.91×3.28cm	70.0–210mm 90.3–271mm 113–339mm	MT MT MT TE TE LT	34.3–11.8° 26.9–9.13° 21.7–7.31°	28.8–9.80° 22.5–7.60° 18.1–6.08°	19.5–6.54° 15.1–5.07° 12.2–4.06°	MF	15 E 10 G 6 B	67mm	78.1mm 3.07 in	157.5mm 6.20 in	944g 33.30 oz 2.081 lb	N/S
70–210mm	f/3.5–4.5	CG FLM	HSF	Canon Jun 1990	EF 70-210mm f/3.5-4.5 USM		Disc	3.00× Linear	f/29	120cm 47.2 in 3.94 ft	0.17× 1:5.9	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	70.0–210mm 90.3–271mm 113–339mm	MT MT MT TE TE LT	34.3–11.8° 26.9–9.13° 21.7–7.31°	28.8–9.80° 22.5–7.60° 18.1–6.08°	19.5–6.54° 15.1–5.07° 12.2–4.06°	FRE MUSM	14 E 10 G 8 B	58mm	73mm 2.87 in	121.5mm 4.78 in	550g 19.40 oz 1.213 lb	Optional
70–210mm	f/4.0	CG FLM		Canon May 1987	EF 70-210mm f/4		Disc	3.00× Linear	f/32	120cm 47.2 in 3.94 ft	0.24× 1:4.2	15.0×10.0cm 11.6×7.75cm 9.29×6.21cm	70.0–210mm 90.3–271mm 113–339mm	MT MT MT TE TE LT	34.3–11.8° 26.9–9.13° 21.7–7.31°	28.8–9.80° 22.5–7.60° 18.1–6.08°	19.5–6.54° 15.1–5.07° 12.2–4.06°	FRE MM	11 E 8 G 8 B	58mm	75.6mm 2.98 in	137.6mm 5.42 in	605g 21.34 oz 1.334 lb	Optional
70–210mm	f/4.5–5.6	LG FLM		Quantaray	70-210mm F4.5-5.6 HS AF		Disc	3.00× Rotary	f/22– 32	134cm 52.8 in 4.4 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	70.0–210mm 90.3–271mm 113–339mm	MT MT MT TE TE LT	34.3–11.8° 26.9–9.13° 21.7–7.31°	28.8–9.80° 22.5–7.60° 18.1–6.08°	19.5–6.54° 15.1–5.07° 12.2–4.06°	DC	10 E 7 G N/S	55mm	82.6mm 3.25 in	69.3mm 2.73 in	335g 11.82 oz 0.739 lb	Optional
70–210mm	f/4.5–5.6	LG FLM		Phoenix	AF 70-210mm f:4.5-5.6 Tele Zoom		Disc	3.00× Linear	f/22– 27	134cm 52.8 in 4.4 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	70.0–210mm 90.3–271mm 113–339mm	MT MT MT TE TE LT	34.3–11.8° 26.9–9.13° 21.7–7.31°	28.8–9.80° 22.5–7.60° 18.1–6.08°	19.5–6.54° 15.1–5.07° 12.2–4.06°	DC	10 E 7 G N/S	55mm	68.6mm 2.7 in	101.6mm 4.0 in	414g 14.6 oz 0.913 lb	Included

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
70–300mm	f/4.0–5.6	PG DIG	HSF IS4	Canon Aug 2010	EF 70-300mm f/4-5.6L IS USM		1539	4.29× Rotary	f/32–45	120cm 47.2 in 3.94 ft	0.21× 1:4.8	17.1×11.4cm 13.3×8.86cm 10.6×7.10cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	IF RUSM FTMF	19 E 14 G 8 BC	67mm	89mm 3.50 in	143mm 5.63 in	1050g 37.04 oz 2.315 lb	ET-73B Included
70–300mm	f/4.0–5.6	SG DIG	HSF IS3	Canon Oct 2005	EF 70-300mm f/4-5.6 IS USM		649	4.29× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.26× 1:3.8	13.8×9.23cm 10.7×7.15cm 8.58×5.73cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	FRE MUSM	15 E 10 G 8 BC	58mm	76.5mm 3.01 in	142.8mm 5.62 in	630g 22.22 oz 1.389 lb	ET-65B Optional
70–300mm	f/4.0–5.6	LG DIG		Quantaray	70-300mm F4-5.6 Di AF		Disc	4.29× Rotary	f/22–32	95cm 37.4 in 3.12 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	DC	13 E 9 G 9 B	62mm	76.6mm 3.02 in	116.5mm 4.59 in	435g 15.34 oz 0.959 lb	Optional
70–300mm	f/4.0–5.6	LG DIG		Promaster	70-300mm F/4- 5.6 LD EDO Macro AF		Disc	4.29× Rotary	f/32	95cm 37.4 in 3.12 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	IF DC	13 E 9 G N/S	62mm	76.6mm 3.02 in	116.5mm 4.59 in	435g 15.34 oz 0.959 lb	Included
70–300mm	f/4.0–5.6	LG DIG	IS4	Sigma	70-300mm F4-5.6 DG OS		359	4.29× Rotary	f/22	150cm 59.1 in 4.92 ft	0.26× 1:3.9	14.0×9.36cm 10.9×7.25cm 8.70×cm5.81	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	FF DC	16 E 11 G 9 B	62mm	76.5mm 3.01 in	126.5mm 4.98 in	610g 21.52 oz 1.345 lb	LH680-02 Included
70–300mm	f/4.0–5.6	LG DIG		Sigma	70-300mm F4-5.6 APO DG Macro		199	4.29× Rotary	f/22–32	95cm 37.4 in 3.12 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	DC	14 E 10 G 9 B	58mm	76.6mm 3.02 in	119.5mm 4.70 in	530g 18.70 oz 1.168 lb	LH635-01 Included
70–300mm	f/4.0–5.6	LG FLM		Sigma	70-300mm F4-5.6 APO Macro Super II		Disc	4.29× Rotary	f/22–32	95cm 37.4 in 3.12 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	DC	14 E 10 G 9 B	58mm	76.6mm 3.02 in	119.5mm 4.70 in	530g 18.70 oz 1.168 lb	Included
70–300mm	f/4.0–5.6	LG FLM		Sigma	70-300mm F4-5.6 DL Macro Super II		Disc	4.29× Rotary	f/22–32	95cm 37.4 in 3.12 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	DC	14 E 10 G 9 B	58mm	76.6mm 3.02 in	119.5mm 4.70 in	530g 18.70 oz 1.168 lb	Included
70–300mm	f/4.0–5.6	LG DIG		Sigma	70-300mm F4-5.6 DG APO Macro		Disc	4.29× Rotary	f/22–32	95cm 37.4 in 3.12 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	FF DC	14 E 10 G 9 B	58mm	76.6mm 3.02 in	122mm 4.80 in	545g 19.22 oz 1.202 lb	LH635-01 Included
70–300mm	f/4.0–5.6	LG DIG		Sigma	70-300mm F4-5.6 DG Macro		Disc	4.29× Rotary	f/22–32	95cm 37.4 in 3.12 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	FF DC	14 E 10 G 9 B	58mm	76.6mm 3.02 in	122mm 4.80 in	550g 19.40 oz 1.213 lb	LH635-01 Included

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
70–300mm	f/4.0–5.6	HG DIG	HSF IS	Tamron	SP AF 70-300mm F/4-5.6 Di VC USD		Disc	4.29× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4	14.4×9.60cm 11.2×10.9cm 8.92×5.96cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	FF USD	17 E 12 G 9 B	62mm	81.5mm 3.21 in	142.7mm 5.62 in	765g 26.98 oz 1.687 lb	Included
70–300mm	f/4.0–5.6	LG DIG		Tamron	AF 70-300mm F/4-5.6 Di LD Macro 1:2		Disc	4.29× Rotary	f/32	150cm 59.1 in 4.92 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	FF DC	13 E 9 G 9 B	62mm	76.6mm 3.02 in	116.5mm 4.59 in	435g 15.34 oz 0.959 lb	Included
70–300mm	f/4.5–5.6	PG DIG	DO HSF IS3	Canon Jun 2004	EF 70-300mm f/4.5-5.6 DO IS USM		1309	4.29× Rotary	f/32–40	140cm 55.1 in 4.59 ft	0.19× 1:5.3	18.9×12.6cm 14.7×9.79cm 11.7×7.84cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	RF RUSM FTMF	18 E 12 G 6 BC	58mm	82.4mm 3.32 in	99.9mm 3.93 in	720g 25.40 oz 1.587 lb	EDT-65B Included
70–300mm	f/4.5–5.6	LG FLM		Vivitar	70-300mm f/4.5-5.6 Series 1		Disc	4.29× Rotary	N/S	N/S	N/S	N/C	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	MF	N/S	N/S	N/S	N/S	N/S	N/S
70–300mm	f/4.5–6.7	LG FLM		Phoenix	70-300mm f:4.5-6.7 Tele Wide Zoom		Disc	4.29× Rotary	f/32–45	101cm 39.6 in 3.3 ft	0.50× 1:2	7.20×4.80cm 5.58×3.72cm 4.46×2.98cm	70.0–300mm 90.3–387mm 113–484mm	MT MT MT LT LT LT	34.3–8.25° 26.9–6.40° 21.7–5.12°	28.8–6.87° 22.5–5.32° 18.1–4.26°	19.5–4.58° 15.1–3.55° 12.2–2.85°	DC	12 E 9 G N/S	62mm	73.7mm 2.9 in	132.1mm 5.2 in	505g 17.8 oz 1.113 lb	Included
75–300mm	f/4.0–5.6	CG FLM	HSF IS2	Canon Sep 1995	EF 75-300mm f/4-5.6 IS USM		Disc	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.26× 1:3.8	13.8×9.23cm 10.7×7.15cm 8.58×5.73cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MUSM	15 E 10 G 8 B	58mm	78.5mm 3.09 in	138.2mm 5.44 in	650g 22.93 oz 1.433 lb	ET-64II Optional
75–300mm	f/4.0–5.6	CG FLM	HSF	Canon Apr 1999	EF 75-300mm f/4-5.6 III USM		169	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MUSM	13 E 9 G 7 B	58mm	71mm 2.80 in	122mm 4.80 in	480g 16.93 oz 1.058 lb	ET-60 Optional
75–300mm	f/4.0–5.6	CG FLM	HSF	Canon Mar 1995	EF 75-300mm f/4-5.6 II USM		Disc	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MUSM	13 E 9 G 7 B	58mm	71mm 2.80 in	122.1mm 4.81 in	480g 16.93 oz 1.058 lb	ET-60 Optional
75–300mm	f/4.0–5.6	CG FLM	HSF	Canon Jun 1992	EF 75-300mm f/4-5.6 USM		Disc	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MUSM	13 E 9 G 7 B	58mm	71mm 2.80 in	122.1mm 4.81 in	495g 17.46 oz 1.091 lb	ET-60 Optional
75–300mm	f/4.0–5.6	CG FLM		Canon Apr 1999	EF 75-300mm f/4-5.6 III		199	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MM	13 E 9 G 7 B	58mm	71mm 2.80 in	122.1mm 4.81 in	480g 16.93 oz 1.058 lb	ET-60 Optional

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood		
75–300mm	f/4.0–5.6	CG FLM		Canon Jul 1995	EF 75-300mm f/4-5.6 II		Disc	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MM	13 E 9 G 7 B	58mm	71mm 2.80 in	122.1mm 4.81 in	480g 16.93 oz 1.058 lb	ET-60 Optional		
75–300mm	f/4.0–5.6	CG FLM		Canon Mar 1991	EF 75-300mm f/4-5.6		Disc	4.00× Rotary	f/32–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FRE MM	12 E 9 G 7 B	58mm	71mm 2.80 in	122mm 4.80 in	500g 17.64 oz 1.102 lb	ET-60 Optional		
75–300mm	f/4.0–5.6	LG FLM		Tamron	AF 75-300mm F/4-5.6 LD Macro		Disc	4.00× Rotary	f/22	150cm 59.1 in 4.92 ft	0.26× 1:3.9	14.0×9.36cm 10.9×7.25cm 8.70×cm5.81	75.0–300mm 96.8–387mm 121–484mm	MT MT MT LT LT LT	32.2–8.25° 25.2–6.40° 20.3–5.12°	27.0–6.87° 21.1–5.32° 16.9–4.26°	18.2–4.58° 14.1–3.55° 11.3–2.85°	FF DC	13 E 9 G 9 B	62mm	76.6mm 3.02 in	118.7mm 4.67 in	435g 15.34 oz 0.959 lb	Included		
80–200mm	f/2.8	PG FLM		Canon Sep 1989	EF 80-200mm f/2.8L		Disc	2.50× Linear	f/32	180cm 70.9 in 5.91 ft	0.13× 1:7.7	27.7×18.5cm 21.5×14.3cm 17.2×11.5cm	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	IF AFD	16 E 13 G 8 B	72mm	84mm 3.31 in	185.7mm 7.31 in	1330g 46.91 oz 2.932 lb	Included		
80–200mm	f/2.8	HG FLM		Tokina	AT-X 828 AF PRO		Disc	2.50× Rotary	f/32	180cm 70.9 in 5.91 ft	N/S	N/C	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	DC	17 E 11 G N/S	77mm	84mm 3.31 in	184mm 7.24 in	1350g 47.62 oz 2.976 lb	MH774N Included		
80–200mm	f/3.5–4.0	LG FLM		Sigma	80-200mm F3.5-4 Multi-Coated		Disc	2.50× Rotary	N/S	N/S	N/S	N/C	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	DC	N/S	N/S	N/S	N/S	N/S	N/S	N/S	Included
80–200mm	f/4.5–5.6	SG FLM	HSF	Canon Jun 1992	EF 80-200mm f/4.5-5.6 USM		Disc	2.50× Rotary	f/22–27	150cm 59.1 in 4.92 ft	0.16× 1:6.3	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	FRE MUSM	10 E 7 G 5 B	52mm	69mm 2.72 in	78.5mm 3.09 in	260g 9.17 oz 0.573 lb	Optional		
80–200mm	f/4.5–5.6	SG FLM		Canon Mar 1995	EF 80-200mm f/4.5-5.6 II		Disc	2.50× Rotary	f/29	150cm 59.1 in 4.92 ft	0.16× 1:6.3	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	FRE MM	10 E 7 G 5 B	52mm	69mm 2.72 in	78.5mm 3.09 in	250g 8.82 oz 0.551 lb	ET-54 Optional		
80–200mm	f/4.5–5.6	CG FLM		Canon Nov 1990	EF 80-200mm f/4.5-5.6		Disc	2.50× Rotary	f/29	150cm 59.1 in 4.92 ft	0.16× 1:6.3	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	FRE MM	10 E 7 G 5 B	52mm	71.2mm 2.80 in	77.8mm 3.06 in	275g 9.70 oz 0.606 lb	ET-54 Optional		
80–200mm	f/4.5–5.6	LG FLM		Zenit	Granit-M 4.5/80-200		175	2.50× Rotary	f/22	N/S	N/S	N/C	80.0–200mm 103–258mm 129–323mm	MT MT MT TE TE LT	30.3–12.3° 23.7–9.58° 19.0–7.67°	25.4–10.3° 19.8–7.98° 15.9–6.38°	17.1–6.87° 13.3–5.32° 10.6–4.27°	MF	N/S	58mm	70mm 2.76 in	165mm 6.50 in	950g 33.51 oz 2.094 lb	Optional		

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
80–400mm	f/4.5–5.6	HG DIG	IS4 STC	Sigma	80-400mm F4.5-5.6 EX DG APO OS		Disc	5.00× Rotary	f/22–32	180cm 70.9 in 5.91 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	80.0–400mm 103–516mm 129–645mm	MT MT MT LT LT ST	30.3–6.19° 23.7–4.80° 19.0–3.84°	25.4–5.15° 19.8–3.99° 15.9–3.19°	17.1–3.44° 13.3–2.66° 10.6–2.13°	RF DC	20 E 14 G 9 B	77mm	95mm 3.74 in	189.5mm 7.46 in	1750g 61.73 oz 3.858 lb	LH840-01 Included
80–400mm	f/4.5–5.6	HG FLM	IS4 STC	Sigma	80-400mm F4.5-5.6 EX OS		Disc	5.00× Rotary	f/22–32	180cm 70.9 in 5.91 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	80.0–400mm 103–516mm 129–645mm	MT MT MT LT LT ST	30.3–6.19° 23.7–4.80° 19.0–3.84°	25.4–5.15° 19.8–3.99° 15.9–3.19°	17.1–3.44° 13.3–2.66° 10.6–2.13°	RF DC	20 E 14 G 9 B	77mm	95.0mm 3.74 in	189.5mm 7.46 in	1750g 61.73 oz 3.858 lb	Included
80–400mm	f/4.5–5.6	LG DIG		Tokina	AT-X 840 AF D		Disc	5.00× Rotary	f/32	250cm 98.4 in 8.20 ft	0.19× 1:5.4	19.4×13.0cm 15.1×10.0cm 12.0×8.05cm	80.0–400mm 103–516mm 129–645mm	MT MT MT LT LT ST	30.3–6.19° 23.7–4.80° 19.0–3.84°	25.4–5.15° 19.8–3.99° 15.9–3.19°	17.1–3.44° 13.3–2.66° 10.6–2.13°	DC	16 E 10 G 8 B	72mm	79mm 3.11 in	136.5mm 5.37 in	1020g 35.98 oz 2.249 lb	BH-725 Included
80–400mm	f/4.5–5.6	LG FLM		Tokina	AT-X 840 AF II		Disc	5.00× Rotary	f/32	250cm 98.4 in 8.20 ft	0.19× 1:5.4	19.4×13.0cm 15.1×10.0cm 12.0×8.05cm	80.0–400mm 103–516mm 129–645mm	MT MT MT LT LT ST	30.3–6.19° 23.7–4.80° 19.0–3.84°	25.4–5.15° 19.8–3.99° 15.9–3.19°	17.1–3.44° 13.3–2.66° 10.6–2.13°	DC	16 E 10 G 8 B	72mm	77.2mm 3.04 in	136mm 5.35 in	1050g 37.04 oz 2.315 lb	BH-724 Included
80–400mm	f/4.5–5.6	LG FLM		Tokina	AT-X 840 AF		Disc	5.00× Rotary	f/32	250cm 98.4 in 8.20 ft	0.19× 1:5.4	19.4×13.0cm 15.1×10.0cm 12.0×8.05cm	80.0–400mm 103–516mm 129–645mm	MT MT MT LT LT ST	30.3–6.19° 23.7–4.80° 19.0–3.84°	25.4–5.15° 19.8–3.99° 15.9–3.19°	17.1–3.44° 13.3–2.66° 10.6–2.13°	DC	16 E 10 G N/S	72mm	77.2mm 3.04 in	136mm 5.35 in	960g 33.86 oz 2.116 lb	Included
90–300mm	f/4.5–5.6	CG FLM	HSF	Canon Sep 2002	EF 90-300mm f/4.5-5.6 USM		Disc	3.33× Rotary	f/36–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	90.0–300mm 116–387mm 145–484mm	MT MT TE LT LT LT	27.0–8.25° 21.1–6.40° 16.9–5.12°	22.6–6.87° 17.6–5.32° 14.1–4.26°	15.2–4.58° 11.8–3.55° 9.46–2.85°	FRE MUSM	13 E 9 G 7 BC	58mm	71mm 2.80 in	114.7mm 4.52 in	420g 14.82 oz 0.926 lb	ET-60 Optional
90–300mm	f/4.5–5.6	CG DIG		Canon Sep 2003	EF 90-300mm f/4.5-5.6		Disc	3.33× Rotary	f/36–45	150cm 59.1 in 4.92 ft	0.25× 1:4.0	14.4×9.60cm 11.2×7.44cm 8.92×5.96cm	90.0–300mm 116–387mm 145–484mm	MT MT TE LT LT LT	27.0–8.25° 21.1–6.40° 16.9–5.12°	22.6–6.87° 17.6–5.32° 14.1–4.26°	15.2–4.58° 11.8–3.55° 9.46–2.85°	FRE MM	13 E 9 G 7 BC	58mm	71mm 2.80 in	114.7mm 4.52 in	420g 14.82 oz 0.926 lb	ET-60 Optional
100–200mm	f/4.5	SG FLM		Canon Dec 1988	EF 100-200mm f/4.5A		Disc	2.00× Rotary	f/32	190cm 74.8 in 6.23 ft	0.13× 1:7.7	27.7×18.5cm 21.5×14.3cm 17.2×11.5cm	100–200mm 129–258mm 161–323mm	MT MT TE TE LT LT	24.4–12.3° 19.0–9.58° 15.3–7.67°	20.4–10.3° 15.9–7.98° 12.7–6.38°	13.7–6.87° 10.6–5.32° 8.52–4.27°	FRE MM	10 E 7 G 8 B	58mm	74.4mm 2.93 in	130.5mm 5.14 in	520g 18.34 oz 1.146 lb	Optional
100–300mm	f/4.0	HG DIG	HSF STC	Sigma	100-300mm F4 EX DG APO HSM		Disc	3.00× Rotary	f/32	180cm 70.9 in 5.91 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	IF HSM	16 E 14 G 9 B	82mm	92.4mm 3.64 in	226.5mm 8.92 in	1440g 50.79 oz 3.175 lb	LH890-01 Included
100–300mm	f/4.0	HG FLM	HSF STC	Sigma	100-300mm F4 EX IF HSM		Disc	3.00× Rotary	f/32	180cm 70.9 in 5.91 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	IF HSM	16 E 14 G 9 B	82mm	92.4mm 3.64 in	224mm 8.82 in	1480g 52.21 oz 3.263 lb	Included

100–300mm

Zoom Lens Table

120–300mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
100–300mm	f/4.0	LG FLM		Tokina	AT-X 340 AF-II		Disc	3.00× Rotary	f/32	200cm 78.7 in 6.56 ft	N/S	N/C	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	IF DC	15 E 11 G N/S	77mm	83mm 3.27 in	230mm 9.06 in	1540g 54.32 oz 3.395 lb	BH-774 Included
100–300mm	f/4.5–5.6	SG FLM	HSF	Canon Jun 1999	EF 100-300mm f/4.5-5.6 USM		Disc	3.00× Rotary	f/32–40	150cm 59.1 in 4.92 ft	0.26× 1:3.8	13.8×9.23cm 10.7×7.15cm 8.58×5.73cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	RF MUSM	13 E 10 G 8 B	58mm	73mm 2.87 in	121.5mm 4.78 in	540g 19.05 oz 1.190 lb	ET-65III Optional
100–300mm	f/4.5–6.7	LG FLM	STC	Sigma	100-300mm F4.5-6.7 DL		Disc	3.00× Rotary	f/22–32	200cm 78.7 in 6.56 ft	0.17× 1:5.9	21.2×14.2cm 16.5×11.0cm 13.2×8.79cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	DC	13 E 10 G 9 B	55mm	70mm 2.76 in	99mm 3.90 in	410g 14.46 oz 0.904 lb	Included
100–300mm	f/5.6	PG FLM		Canon Jun 1987	EF 100-300 f/5.6L		Disc	3.00× Linear	f/32	150cm 59.1 in 4.92 ft	0.26× 1:3.8	13.8×9.23cm 10.7×7.15cm 8.58×5.73cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	FRE AFD	15 E 10 G 8 B	58mm	75mm 2.95 in	166.6mm 6.56 in	695g 24.52 oz 1.532 lb	ET-62II Included
100–300mm	f/5.6	PG FLM		Canon Mar 1987	EF 100-300 f/5.6		Disc	3.00× Linear	f/22	200cm 78.7 in 6.56 ft	0.26× 1:3.8	13.8×9.23cm 10.7×7.15cm 8.58×5.73cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	FRE AFD	15 E 9 G 8 B	58mm	75mm 2.95 in	166.8mm 6.57 in	685g 24.16 oz 1.510 lb	Included
100–300mm	f/5.6–6.7	LG FLM		Phoenix	100-300mm f:5.6-6.7 Telephoto Zoom		Disc	3.00× Linear	f/32–38	149cm 58.8 in 4.9 ft	0.25× 1:4	14.4×9.60cm 11.2×10.9cm 8.92×5.96cm	100–300mm 129–387mm 161–484mm	MT MT TE LT LT LT	24.4–8.25° 19.0–6.40° 15.3–5.12°	20.4–6.87° 15.9–5.32° 12.7–4.26°	13.7–4.58° 10.6–3.55° 8.52–2.86°	DC	10 E 8 G N/S	55mm	68.6mm 2.7 in	139.7mm 5.5 in	524g 18.5 oz 1.156 lb	Included
100–400mm	f/4.5–5.6	PG FLM	HSF IS3	Canon Nov 1998	EF 100-400mm f/4.5-5.6L IS USM		1699	4.00× Linear	f/32–40	180cm 70.9 in 5.91 ft	0.20× 1:5.0	18.0×12.0cm 14.0×9.30cm 11.2×7.45cm	100–400mm 129–516mm 161–645mm	MT MT TE LT LT ST	24.4–6.19° 19.0–4.80° 15.3–3.84°	20.4–5.15° 15.9–3.99° 12.7–3.19°	13.7–3.44° 10.6–2.66° 8.52–2.13°	RF RUSM FTMF	17 E 14 G 8 BC	77mm	92mm 3.62 in	189mm 7.44 in	1380g 48.68 oz 3.042 lb	ET-83C Included
100–400mm	f/4.5–6.7	LG FLM		Phoenix Vivitar	AF100-400mm F4.5-6.7 Series 1		Disc	4.00× Linear	f/22–32	200cm 78.7 in 6.56 ft	0.25× 1:4	14.4×9.60cm 11.2×10.9cm 8.92×5.96cm	100–400mm 129–516mm 161–645mm	MT MT TE LT LT ST	24.4–6.19° 19.0–4.80° 15.3–3.84°	20.4–5.15° 15.9–3.99° 12.7–3.19°	13.7–3.44° 10.6–2.66° 8.52–2.13°	DC	12 E 9 G N/S	67mm	73.7mm 2.9 in	162.6mm 6.4 in	737g 26.0 oz 1.625 lb	Included
120–300mm	f/2.8	HG DIG	HSF IS4 STC	Sigma	120-300mm F2.8 EX DG OS APO HSM		3199	2.50× Rotary	f/22	150cm 59.1 in 4.92 ft	0.12× 1:8.1	29.2×19.4cm 22.6×15.1cm 18.1×12.1cm	120–300mm 155–387mm 194–484mm	MT MT TE LT LT LT	20.4–8.25° 15.9–6.40° 12.8–5.12°	17.1–6.87° 13.3–5.32° 10.6–4.26°	11.4–4.58° 8.86–3.55° 7.11–2.85°	IF HSM FTMF	23 E 18 G 9 B	105mm	114.4mm 4.50 in	289.2mm 11.39 in	2950g 104.06 oz 6.504 lb	Included
120–300mm	f/2.8	HG DIG	HSF STC	Sigma	120-300mm F2.8 EX DG APO HSM		Disc	2.50× Rotary	f/32	150cm 59.1 in 4.92 ft	0.12× 1:8.6	31.0×20.6cm 24.0×16.0cm 19.2×12.8cm	120–300mm 155–387mm 194–484mm	MT TE TE LT LT LT	20.4–8.25° 15.9–6.40° 12.8–5.12°	17.1–6.87° 13.3–5.32° 10.6–4.26°	11.4–4.58° 8.86–3.55° 7.11–2.85°	IF HSM	18 E 16 G 9 B	105mm	112.8mm 4.44 in	271mm 10.67 in	2600g 91.71 oz 5.732 lb	LH1134-01 Included

120–300mm

Zoom Lens Table

200–500mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
120–300mm	f/2.8	HG FLM	HSF STC	Sigma	120-300mm F2.8 EX APO HSM IF		Disc	2.50× Rotary	f/32	150cm 59.1 in 4.92 ft	0.12× 1:8.6	31.0×20.6cm 24.0×16.0cm 19.2×12.8cm	120–300mm 155–387mm 194–484mm	MT TE TE LT LT LT	20.4–8.25° 15.9–6.40° 12.8–5.12°	17.1–6.87° 13.3–5.32° 10.6–4.26°	11.4–4.58° 8.86–3.55° 7.11–2.85°	IF HSM	18 E 16 G 9 B	105mm	112.8mm 4.44 in	268.5mm 10.57 in	2600g 91.71 oz 5.732 lb	Included
120–400mm	f/4.5–5.6	LG DIG	HSF IS4 STC	Sigma	120-400mm F4.5-5.6 DG APO OS HSM		999	3.33× Rotary	f/22	150cm 59.1 in 4.92 ft	0.24× 1:4.2	15.1×10.1cm 11.7×7.81cm 9.37×6.26cm	120–400mm 155–516mm 194–645mm	MT TE TE LT LT LT	20.4–6.19° 15.9–4.80° 12.8–3.84°	17.1–5.15° 13.3–3.99° 10.6–3.19°	11.4–3.44° 8.86–2.66° 7.11–2.13°	RF HSM	21 E 15 G 9 B	77mm	92.5mm 3.64 in	203.5mm 8.01 in	1750g 61.73 oz 3.858 lb	LH830-01 Included
135–400mm	f/4.5–5.6	LG DIG	STC	Sigma	135-400mm F4.5-5.6 DG APO Aspherical		Disc	2.96× Rotary	f/32–38	200cm 78.7 in 6.56 ft	0.19× 1:5.3	18.7×12.5cm 14.5×9.67cm 11.6×7.75cm	135–400mm 174–516mm 218–645mm	MT TE TE LT LT ST	18.2–6.19° 14.2–4.80° 11.3–3.84°	15.2–5.15° 11.8–3.99° 9.44–3.19°	10.2–3.44° 7.88–2.66° 6.32–2.13°	RF DC	13 E 11 G 9 B	77mm	88.5mm 3.48 in	181.1mm 7.13 in	1210g 42.68 oz 2.668 lb	Included
135–400mm	f/4.5–5.6	LG FLM	STC	Sigma Quantaray	135-400mm F4.5-5.6 APO Aspherical		Disc	2.96× Rotary	f/32–38	200cm 78.7 in 6.56 ft	0.19× 1:5.3	18.7×12.5cm 14.5×9.67cm 11.6×7.75cm	135–400mm 174–516mm 218–645mm	MT TE TE LT LT ST	18.2–6.19° 14.2–4.80° 11.3–3.84°	15.2–5.15° 11.8–3.99° 9.44–3.19°	10.2–3.44° 7.88–2.66° 6.32–2.13°	RF DC	13 E 11 G 9 B	77mm	88.5mm 3.48 in	181.1mm 7.13 in	1100g 38.80 oz 2.425 lb	Included
150–500mm	f/5.0–6.3	LG DIG	HSF IS4 STC	Sigma	150-500mm F5-6.3 APO DG OS HSM		1069	3.33× Rotary	f/22	220cm 86.6 in 7.22 ft	0.19× 1:5.2	18.7×12.5cm 14.5×9.67cm 11.6×7.75cm	150–500mm 194–645mm 242–807mm	TE TE TE LT ST ST	16.4–4.95° 12.8–3.84° 10.2–3.07°	13.7–4.12° 10.6–3.20° 8.50–2.55°	9.15–2.75° 7.10–2.13° 5.69–1.71°	RF HSM	21 E 15 G 9 B	86mm	94.7mm 3.73 in	252mm 9.92 in	1910g 67.37 oz 4.211 lb	LH927-01 Included
170–500mm	f/5.0–6.3	LG DIG	STC	Sigma	170-500mm F5-6.3 DG APO Aspherical		Disc	2.94× Rotary	f/32–38	300cm 118 in 9.84 ft	0.15× 1:6.6	23.8×15.8cm 18.4×12.3cm 14.7×9.83cm	170–500mm 219–645mm 274–807mm	TE TE TE LT ST ST	14.5–4.95° 11.3–3.84° 9.02–3.07°	12.1–4.12° 9.38–3.20° 7.51–2.55°	8.08–2.75° 6.26–2.13° 5.02–1.71°	RF DC	13 E 11 G 9 B	86mm	92.5mm 3.64 in	229.5mm 9.04 in	1320g 46.56 oz 2.910 lb	LH925-01 Included
170–500mm	f/5.0–6.3	LG FLM	STC	Sigma	170-500mm F5-6.3 APO Aspherical		Disc	2.94× Rotary	f/32–38	300cm 118 in 9.84 ft	0.15× 1:6.6	23.8×15.8cm 18.4×12.3cm 14.7×9.83cm	170–500mm 219–645mm 274–807mm	TE TE TE LT ST ST	14.5–4.95° 11.3–3.84° 9.02–3.07°	12.1–4.12° 9.38–3.20° 7.51–2.55°	8.08–2.75° 6.26–2.13° 5.02–1.71°	RF DC	13 E 11 G 9 B	86mm	92.5mm 3.64 in	229.5mm 9.04 in	1320g 46.56 oz 2.910 lb	Included
200–500mm	f/2.8	HG DIG	2TC	Sigma	200-500mm F2.8 APO EX DG		25999	2.50× Power	f/22	200cm 78.7 in 6.56 ft	0.13× 1:7.7	27.7×18.5cm 21.5×14.3cm 17.2×11.5cm	200–500mm 258–645mm 323–807mm	TE TE LT LT ST ST	12.3–4.95° 9.58–3.84° 7.67–3.07°	10.3–4.12° 7.98–3.20° 6.38–2.55°	6.87–2.75° 5.32–2.13° 4.27–1.71°	IF DC	17 E 13 G 9 B	72mm	236.5mm 9.31 in	726mm 28.58 in	15700g 553.80 oz 34.613 lb	Integral
200–500mm	f/5.0–6.3	HG DIG		Tamron	SP AF 200-500mm F/5-6.3 Di LD [IF]		Disc	2.50× Rotary	f/32	250cm 98.4 in 8.20 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	200–500mm 258–645mm 323–807mm	TE TE LT LT ST ST	12.3–4.95° 9.58–3.84° 7.67–3.07°	10.3–4.12° 7.98–3.20° 6.38–2.55°	6.87–2.75° 5.32–2.13° 4.27–1.71°	IF DC	13 E 10 G 9 B	86mm	93.5mm 3.68 in	227.0mm 8.94 in	1237g 43.63 oz 2.727 lb	Included

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
300–800mm	f/5.6	HG DIG	HSF STC	Sigma	300-800mm F5.6 EX DG APO HSM		7999	2.67× Rotary	f/32	600cm 236 in 19.7 ft	0.15× 1:6.9	24.8×16.6cm 19.3×12.9cm 15.4×10.3cm	300–800mm 387–1030mm 484–1290mm	LT LT LT ST ST ET	8.25–3.10° 6.40–2.40° 5.12–1.92°	6.87–2.58° 5.32–2.00° 4.26–1.60°	4.58–1.72° 3.55–1.33° 2.85–1.07°	IF HSM	18 E 16 G 9 B	46mm DI	156.5mm 6.16 in	541.5mm 21.32 in	5870g 207.06 oz 12.941 lb	LH1571-02 Included
300–800mm	f/5.6	HG FLM	HSF STC	Sigma	300-800mm F5.6 EX APO HSM IF		Disc	2.67× Rotary	f/32	600cm 236 in 19.7 ft	0.15× 1:6.9	24.8×16.6cm 19.3×12.9cm 15.4×10.3cm	300–800mm 387–1030mm 484–1290mm	LT LT LT ST ST ET	8.25–3.10° 6.40–2.40° 5.12–1.92°	6.87–2.58° 5.32–2.00° 4.26–1.60°	4.58–1.72° 3.55–1.33° 2.85–1.07°	IF HSM	18 E 16 G 9 B	46mm DI	156.5mm 6.16 in	541.5mm 21.32 in	5870g 207.06 oz 12.941 lb	LH1571-02 Included
420–800mm	f/8.3–16	LG FLM	TMT	Kenko Pro-Optic	420-800mm f/8.3-16		Disc	1.90× Linear	f/11–21	380cm 150 in 12.5 ft	N/S	N/C	420–800mm 542–1030mm 678–1290mm	LT LT ST ST ET	5.90–3.10° 4.57–2.40° 3.66–1.92°	4.91–2.58° 3.80–2.00° 3.04–1.60°	3.27–1.72° 2.54–1.33° 2.031.07°	IF MF	4 E 2 G N/S	N/S	N/S	200mm 7.87 in	454g 16.01 oz 1.001 lb	N/S
650–1300mm	f/8.0–16	LG FLM	TMT	Samyang Bower Pro-Optic Phoenix Rokinon Vivitar	650-1350mm F8.0/16.0		299	2.00× Linear	f/8.0–16	490cm 193 in 16.1 ft	N/S	N/C	650–1300mm 839–1680mm 1050–2100mm	ST ST ST ET ET ET	3.81–1.91° 2.96–1.48° 2.36–1.18°	3.17–1.59° 2.46–1.23° 1.97–0.983°	2.12–1.06° 1.64–0.820° 1.31–0.657°	IF MF	8 E 5 G N/S	95mm	105.0mm 4.13 in	462.9mm 18.22 in	2000g 70.55 oz 4.409 lb	N/S