	Focal Length	Apertures Max Min.	Construction Elements/Groups	Angle of View	Min. Focus from Film Plane	Length	Max. Diameter	Weight	Filter	Lens Hood
Fish-Eye	15mm UC	f/2.8 - f/16	10/7	180°	0.15m (6.0°)	60mm (2.4")	70mm (2.8")	395g (13.9 oz.)	Built-in	Built-in
Extreme	21mm	f/2.8 - f/22	9/8	92°	0.2m (8.0°)	39mm (1.5")	63mm (2.5")	215g (7.6 oz.)	55mm	Incl.
Wide	New 24mm	f/2.8 - f/22	8/8	84°	0.25m (10.0°)	36mm (1.4°)	63mm (2.5")	205g (7.2 oz.)	55mm	Avail.
Wide	28mm UC	1/1.8 - 1/16	8/8	75°	0.18m (7.0°)	63mm (2.5°)	66mm (2.6")	380g (13.4 oz.)	55mm	Incl.
	28mm	1/3.5 - 1/22	5/5	75"	0.3m (12.0°)	36mm (1.4°)	63mm (2.5")	175g (6.2 oz.)	55mm	Incl.
	35mm	f/2.0 - f/16	9/7	63	0.3m (12.0°)	57mm (2.2")	65mm (2.6")	320g (11.3 oz.)	55mm	Incl.
	New 35mm	f/2.8 - f/22	6/5	63	0.3m (12.0°)	38mm (1.5°)	63mm (2.5")	200g (7.1 oz.)	55mm	Avail.
Standard	40mm	f/1.8 - f/22	6/5	56	0.45m (18.0°)	27mm (1.1°)	63mm (2.5°)	140g (4.9 oz.)	55mm	Avail.
	50mm	f/1.4 - f/22	7/6	46	0.45m (18.0°)	45mm (1.8°)	63mm (2.5")	265g (9.3 oz.)	55mm	Avail.
	50mm	1/1.7 - 1/16	6/5	46	0.55m (22.0°)	40mm (1.6°)	63mm (2.5°)	210g (7.4 oz.)	55mm	Avail.
	50mm	f/1.8 - f/22	6/5	46	0.55m (22.0°)	33mm (1.3°)	63mm (2.5°)	175g (6.2 oz.)	55mm	Avail.
	57mm	f/1.2 - f/16	7/6	42	0.45m (18.0°)	50mm (2.0°)	72mm (2.8°)	460g (16.2 oz.)	62mm	Avail.
Telephoto	85mm	f/1.8 - f/16	6/5	28.5°	1m (40.0°)	67mm (2.6°)	65mm (2.6°)	390g (13.8 oz.)	55mm	Incl.
	100mm	f/2.8 - f/16	5/4	24°	1m (40.0")	62mm (2.4")	63mm (2.5°)	290g (10.2 oz.)	55mm	Incl.
	135mm	f/2.5 - f/16	4/4	18°	1.2m (48.0")	96mm (3.8°)	69mm (2.7°)	650g (22.9 oz.)	62mm	Built-in
	135mm	f/3.5 - f/22	4/4	18	1.5m (60.0")	82mm (3.3°)	63mm (2.5°)	315g (11.1 oz.)	55mm	Built-in
	200mm	f/4.0 - f/22	5/5	12°	2.5m (10.0°)	121mm (4.8°)	65mm (2.6°)	515g (18.2 oz.)	55mm	Built-in
	300mm	f/4.5 - f/16	8/5	8 0	4m (13.0°)	168mm (6.7°)	80mm (3.2")	965g (34.0 oz.)	72mm	Built-in
	300mm	1/6.3 - 1/22	9/5	8°	4.5m (15.0°)	146mm (5.8°)	65mm (2.6°)	560g (19.8 oz.)	55mm	Built-in
Ultra	400mm UC	f/5.6 - f/45	9/5	6 °	4m (13.0°)	217mm (8.6°)	83mm (3.3°)	1,600g (3.5 lbs.)	77mm	Built-ir
Telephoto	1000mm *	f/8.0 - f/22	7/6	2.5	25m (82.0')	455mm (18.2")	200mm (8.0°)	8,500g (18.7 lbs.)	55mm	
Zoom	35-70mm	f/3.5 - f/22	9/9	63-34	0.35m (14.0°)	96.5mm (3.9")	67mm (2.6°)	470g (16.6 oz.)	62mm	Incl.
	45-100mm UC	1/3.5 - 1/16	11/10	52-24	0.35m (14.0°)	85mm (3,4")	70mm (2.8°)	570g (20.1 oz.)	55mm	Built-in
	70-150mm	1/4.0 - 1/22	15/12	34-16°	0.8m (32.0°)	102mm (4.0")	67mm (2.6°)	500g (17.6 oz.)	55mm	Built-is
	80-200mm UC	1/4.0 - 1/16	14/10	30-12	0.7m (28.0°)	157mm (6.2°)	68mm (2.7°)	830g (29.3 oz.)	62mm	Built-in
Macro	55mm	f/3.5 - f/22	4/3	43°	0.25m (10.0°)	60mm (2.4")	64mm (2.5°)	290g (10.2 oz.)	55mm	Avail
	105mm	f/4.0 - f/22	5/3	23	**	47mm (1.9")	63mm (2.5°)	230g (8.1 oz.)	55mm	Avail
Other	Teleconverter AR2X		6/5			43.5mm (1.7")	63mm (2.5°)	230g (8.1 oz.)		

www32butkus.org * All lenses fully automatic except as indicated. * Depending on bellows extension length.