

## Magnification of the macro extension tube

The shooting distance and shooting magnification change according to the position of the focus ring.

The following table shows reference values for when the focus ring is on the nearest side.

If the surroundings are blurred, please use the narrow aperture.

	Lens	Lens Only			MCEX-18G Mounted			MCEX-45G Mounted			
		Max.Magnification	Working distance(mm)	Shortest shooting distance(mm)	Max.Magnification	Working distance(mm)	Shortest shooting distance(mm)	Max.Magnification	Working distance(mm)	Shortest shooting distance(mm)	
Prime	GF23mmF4 R LM WR	0.09	249	380	0.85	11	160				
	GF30mmF3.5 R WR	0.15	193	320	0.75	32	177	1.66	10	182	
	GF45mmF2.8 R WR	0.14	334	450	0.53	85	219	1.13	40	201	
	GF50mmF3.5 R LM WR	0.10	475	550	0.49	118	212	1.08	67	188	
	GF63mmF2.8 R WR	0.17	401	500	0.46	172	288	0.88	105	249	
	GF80mmF1.7 R WR	0.15	573	700	0.38	244	389	0.72	144	316	
	GF110mmF2 R LM WR	0.16	747	900	0.33	411	582	0.59	274	473	
	GF120mmF4 R LM OIS WR Macro	0.50	273	454	0.71	223	422	1.04	187	412	
GF250mmF4 R LM OIS WR	0.22	1,169	1,400	0.31	897	1,147	0.44	697	973		
Zoom	GF32-64mmF4 R LM WR	Wide	0.08	356	500	0.66	27	189	1.52	0	189
		Tele	0.12	427	600	0.44	90	281	0.91	22	240
	GF45-100mmF4 R LM OIS WR	Wide	0.08	473	645	0.51	60	250	1.16	14	231
		Tele	0.13	615	816	0.34	209	428	0.67	92	338
	GF100-200mmF5.6 R LM OIS WR	Wide	0.20	390	600	0.43	183	412	0.77	102	358
		Tele	0.12	1,390	1,600	0.24	743	971	0.42	475	731

Working Distance: Distance from the top of the lens barrel to the subject

Shortest shooting distance: Distance from the image sensor to the subject

Shooting inability area