

ZUIKO MACRO 50mm F3.5



Characteristics

- This is the world's first macro lens in which a floating element group was incorporated.
- It was originally designed to achieve the best performance up to 1/10 life size. However, with the incorporation of the new mechanism, it offers high resolution throughout the focusing range from infinity to 1/2 life size.
- It is unusually compact and light for a macro 50mm lens.

Applications

- Close-up and copying work
- General photography

Notes · Related Units

- Lens hood is not necessary.
- Combined with Extension Tube 25, the lens extends the reproduction ratio from 1/2 to 1:1 life size. However, to obtain best results in this range, the use of 1:1 Macro 80mm F4 (with Auto Bellows) is recommended (pp.511 & 173).
- When an extension tube is used, the automatic diaphragm becomes ineffective and stopped-down metering is required.
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	5-4	Auto.	3.5-22	0.23m (0.8)	72 × 48mm (2.8 × 1.9)	Straight helicoid	200g. (7.1)	40mm (1.6)	60mm (2.4)	Not necessary	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO MACRO 50^{mm} F3.5

● Zuiko Lens

4 groups 5 elements
Angle of view: 47°

● Front Mount Ring

Filter size: 49mm ϕ
Hood: not necessary

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. The lens has an automatic diaphragm.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring. Reproduction ratios are engraved on the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Meter Coupling Lever

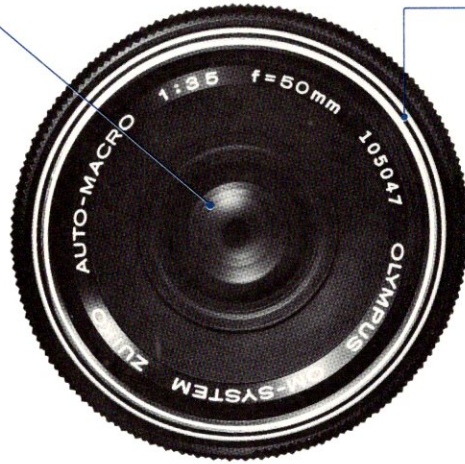
This lever transmits selected apertures to the exposure meter.

● Automatic Diaphragm Lever

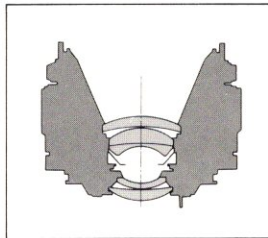
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	* 0.23	* 0.25	* 0.3	* 0.4	* 0.5	* 0.7	* 1	2	* 3	* ∞	
3.5	0.23	0.25	0.30	0.40	0.49	0.68	0.96	1.85	2.67	23.21	
	0.23	0.25	0.30	0.40	0.51	0.72	1.04	2.17	3.42	∞	
4	0.23	0.25	0.30	0.40	0.49	0.68	0.96	1.83	2.63	20.32	
	0.23	0.25	0.30	0.40	0.51	0.72	1.04	2.20	3.49	∞	
5.6	0.23	0.25	0.30	0.39	0.49	0.67	0.93	1.77	2.51	14.53	
	0.23	0.25	0.30	0.41	0.51	0.73	1.06	2.29	3.74	∞	
8	0.23	0.25	0.30	0.39	0.48	0.66	0.92	1.69	2.34	10.19	
	0.23	0.25	0.30	0.41	0.52	0.74	1.09	2.45	4.18	7.43	
11	0.23	0.25	0.29	0.39	0.48	0.65	0.90	1.60	2.17	7.43	
	0.23	0.25	0.31	0.41	0.52	0.76	1.13	2.68	4.91	∞	
16	0.23	0.25	0.29	0.38	0.47	0.63	0.86	1.47	1.93	5.12	
	0.23	0.25	0.31	0.42	0.54	0.79	1.20	3.17	6.93	∞	
22	0.23	0.24	0.29	0.38	0.46	0.61	0.81	1.34	1.70	3.74	
	0.23	0.26	0.31	0.43	0.55	0.82	1.31	4.07	13.81	∞	

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.											
	* 9"	* 10"	* 1	* 1.2	* 1.5	* 2	* 3	* 4	* 6	8	10	* ∞
3.5	0.75	0.83	0.99	1.24	1.48	1.96	2.90	3.82	5.60	7.28	8.89	75.74
	0.75	0.83	1.01	1.26	1.52	2.04	3.10	4.19	6.47	8.88	11.43	∞
4	0.75	0.83	0.99	1.24	1.48	1.96	2.89	3.80	5.54	7.19	8.75	66.35
	0.75	0.83	1.01	1.26	1.52	2.05	3.12	4.22	6.54	9.02	11.67	∞
5.6	0.75	0.83	0.99	1.23	1.47	1.94	2.85	3.73	5.38	6.91	8.34	47.53
	0.75	0.83	1.01	1.27	1.53	2.07	3.17	4.32	6.79	9.51	12.51	∞
8	0.75	0.82	0.99	1.22	1.46	1.91	2.79	3.62	5.15	6.53	7.79	33.36
	0.75	0.84	1.01	1.28	1.55	2.10	3.25	4.47	7.20	10.35	14.03	∞
11	0.74	0.82	0.98	1.21	1.44	1.88	2.72	3.50	4.89	6.11	7.19	24.33
	0.76	0.84	1.02	1.29	1.56	2.13	3.35	4.68	7.78	11.63	16.54	∞
16	0.74	0.82	0.97	1.20	1.42	1.84	2.61	3.31	4.52	5.53	6.38	16.79
	0.76	0.84	1.03	1.31	1.60	2.20	3.54	5.08	9.01	14.70	23.63	∞
22	0.74	0.81	0.96	1.18	1.39	1.78	2.49	3.11	4.14	4.96	5.63	12.26
	0.76	0.85	1.04	1.33	1.64	2.29	3.80	5.67	11.14	21.55	49.01	∞