

# ZUIKO I:1 MACRO 80<sup>mm</sup> F4



## Characteristics

- This is the world's first macro lens for life-size reproduction for use with a 35mm SLR camera.
- This epoch-making high-resolution macro lens is designed to perform from 1:2 ~ 2:1 magnifications (object sizes 72×48 mm ~ 18×12mm).

## Applications

- Close-up and macrophotography around life-size reproduction ratios.

## Notes · Related Units

- The Auto Bellows must be used with this lens. (p. 512)
- Lens hood is not necessary.

## Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	6-4	Manual	4-22		max. 72×48mm min. 18×12mm	W/Auto Bellows	200g (7.1)	46mm (1.8)	59mm (2.3)	Not necessary	49mm Screw-in

**OLYMPUS**

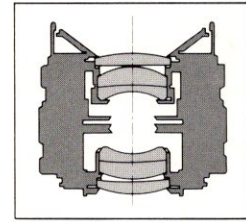
# OM SYSTEM ZUIKO 1:1 MACRO 80mm F4

● **Zuiko Lens**

4 groups 6 elements  
Angle of view: 9° at high magnification

● **Front Mount Ring**

Filter size: 49mm  $\phi$   
Hood: not necessary



● **Aperture Ring**

Manual: stopped-down metering is required.

● **Preset Aperture Ring**

The ring stops with a click at each F stop.

● **Release Button**

To detach the lens from the Auto Bellows, press this button and turn 70° counterclockwise.

● **Lens Mount Ring**

Bayonet type: connects to the Auto Bellows.



Actual size

## REFERENCE TABLE FOR AUTO BELLOWS

Zuiko 1:1 Macro 80mm F4 (Bold lines indicate the optimum application range for this lens.)

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor	Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
0.26	3.6cm	68mm	47.4cm	34.7cm	91.2×136.7mm	1.6×	1.0	9.4cm	127mm	31.0cm	12.3cm	24.0×36.0mm	4.0×
0.3	3.8	71	44.0	31.0	80.0×120.0	1.7×	1.2	11.0	143	31.2	11.0	20.0×30.0	4.8×
0.4	4.6	79	38.2	24.3	60.0×90.0	2.0×	1.4	12.6	159	31.9	10.0	17.1×25.7	5.8×
0.5	5.4	87	35.0	20.3	48.0×72.0	2.3×	1.6	14.2	175	32.8	9.3	15.0×22.5	6.8×
0.6	6.2	95	33.1	17.6	40.0×60.0	2.6×	1.8	15.8	191	33.8	8.8	13.3×20.0	7.8×
0.7	7.0	103	32.0	15.7	34.3×51.4	2.9×	2.0	17.4	207	35.0	8.3	12.0×18.0	9.0×
0.8	7.8	111	31.4	14.3	30.0×45.0	3.2×	2.2	19.0	223	36.2	8.0	10.9×16.4	10.2×
0.9	8.6	119	31.1	13.2	26.7×40.0	3.6×	2.3	19.8	231	36.8	7.8	10.4×15.7	10.9×

For better results, Macro 50mm F3.5 is recommended for image magnifications 0.4 and lower, and Macro 38mm F3.5 for image magnifications 2.2 and higher.