

### CLOSE-UP LENSES

Made of high quality optical glass, these supplementary close-up lenses provide the most economical method of taking close-up pictures with OM standard lenses. They thread directly into the camera lens and afford a continuously variable focusing range from 17 $\frac{3}{4}$ " to 7 $\frac{3}{8}$ ". (See chart below.) The 55mm close-up lens is specially designed for use on the standard f1.2 lens.

#### ORDERING INFORMATION

**Close-up Lens 49mm**

Stock No. 104-001

**Close-up Lens 55mm**

Stock No. 104-002



49mm f=40cm



55mm f=40cm

**Note:** The setting ranges are not measured from the negative plane, but from the front of the close-up lens so that they can also be used to assess the effective lighting distance.



Lens	close-up lenses diameter	focusing range measured from close-up lens	smallest picture field mm	largest reproduction ratio
24 mm f2 Auto-W	55 mm	15.75 – 4.00 in	165x110	1:0.22
24 mm f2.8 Auto-W	49 mm	14.00 – 4.25 in	170x114	1:0.21
28 mm f2 Auto-W	49 mm	16.50 – 5.12 in	170x114	1:0.21
28 mm f3.5 Auto-W	49 mm	15.75 – 5.12 in	170x114	1:0.21
35 mm f2 Auto-W	55 mm	16.14 – 5.12 in	145x 97	1:0.25
35 mm f2.8 Auto-W	49 mm	16.14 – 5.12 in	135x 90	1:0.27
55 mm f1.2 Auto-S	55 mm	15.75 – 7.09 in	115x 77	1:0.31
50 mm f1.4 Auto-S	49 mm	15.75 – 7.50 in	125x 83	1:0.29
50 mm f1.8 Auto-S	49 mm	15.75 – 7.50 in	125x 83	1:0.29
75 – 150 mm f4 Auto-Zoom	49 mm	15.75 – 12.20 in	130x 87 65x 43	1:0.28 1:0.55
85 mm f2 Auto-T	49 mm	15.75 – 10.25 in	95x 63	1:0.38
100 mm f2.8 Auto-T	49 mm	15.75 – 10.63 in	85x 57	1:0.42
135 mm f2.8 Auto-T	55 mm	15.35 – 11.80 in	70x 47	1:0.51
135 mm f3.5 Auto-T	49 mm	15.75 – 11.80 in	70x 47	1:0.51
200 mm f4 Auto-T	55 mm	15.35 – 13.40 in	50x 33	1:0.72
200 mm f5 Auto-T	49 mm	15.35 – 13.40 in	50x 33	1:0.72
50 mm f3.5 Auto-Macro	49 mm	15.75 – 3.54 in	56x 37	1:0.70