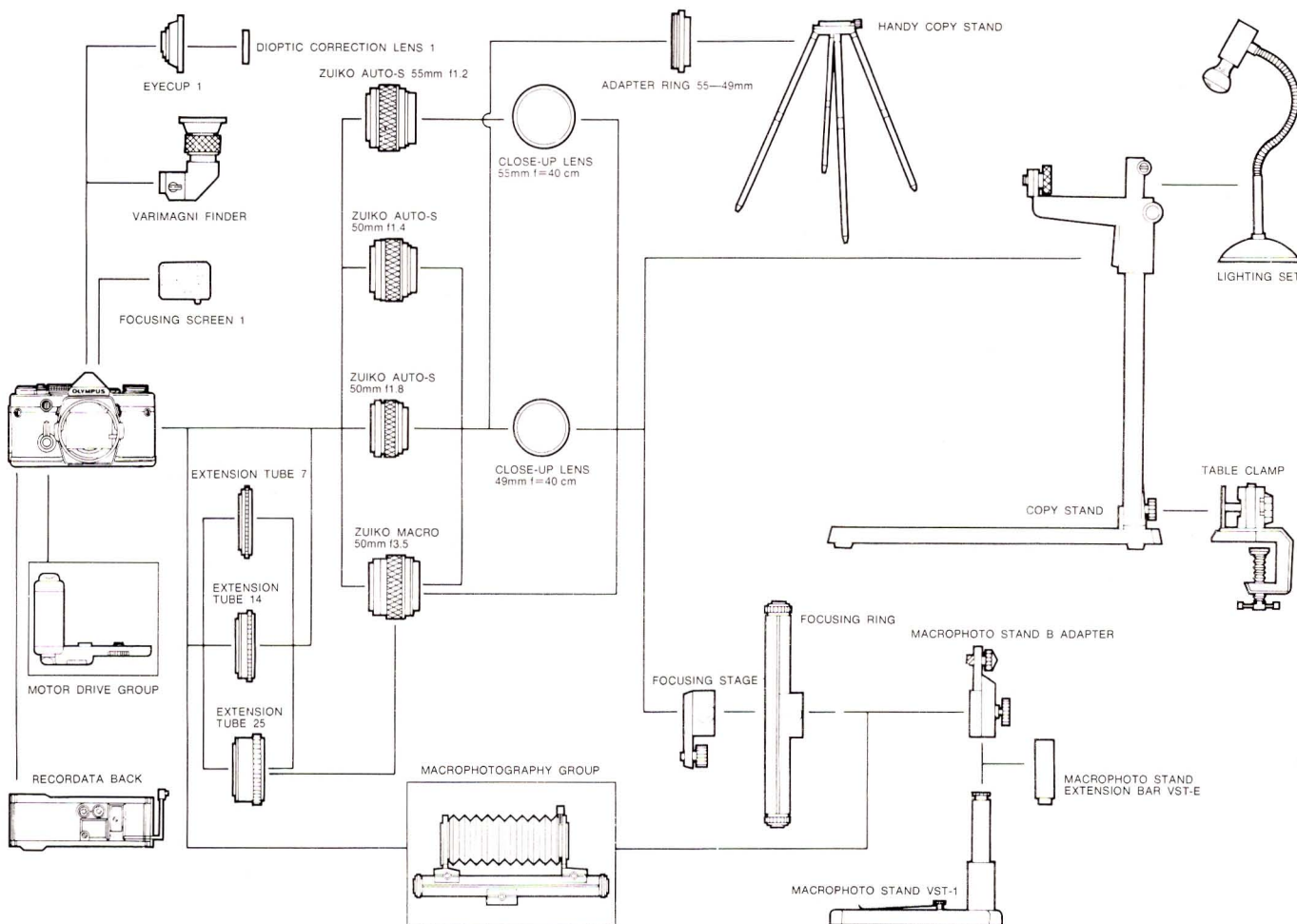
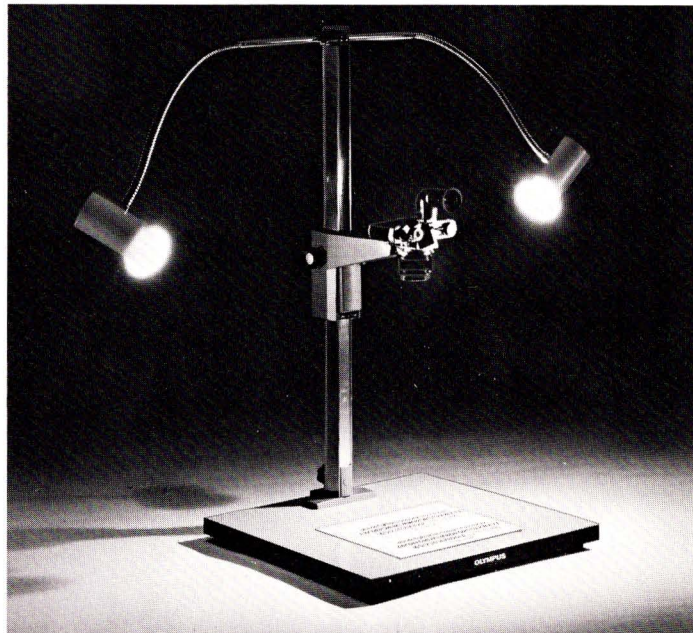


THE CLOSE-UP PHOTOGRAPHY GROUP

- Designed for both beginners and advanced photographers
- Supplementary close-up lenses
- Extension tubes
- Portable lighting equipment
- Copy stand
- Complete capabilities for photocopying, photographing books, documents, biological and medical specimens and small mechanical components

CLOSE-UP PHOTOGRAPHY

Everything in the Close-Up Photography Group is engineered for portability and convenience, from the two versatile copy stands to the 500-watt two-piece lighting set. Examine the charts provided for complete information on the setting ranges of close-up lenses and extension tubes. All units fit OM-2 and OM-1 camera bodies and can be used in conjunction with the OM Motor Drive and Photomacrography Groups.



**LIGHTING SET
FOR COPY STAND**

Two-piece set consists of a stable base and a flexible light arm which can easily be attached to the OM Copy Stand. Maximum light intensity is 500 watts with adjustments to any angle or direction.

**ORDERING
INFORMATION****Lighting Set
for Copy Stand**

Stock No. 104-040

HANDY PORTABLE COPY STAND

A convenient 4-legged portable copy stand to assure rigidity in close-up and copy photography with OM standard lenses. Complete with a clamp for locking in position and 4 telescoping legs (calibrated in 3 steps).

ORDERING INFORMATION**Handy Portable
Copy Stand**

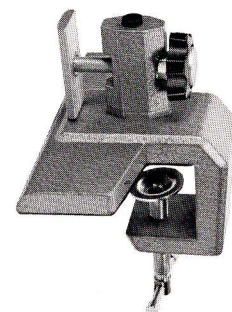
Stock No. 104-030

**TABLE CLAMP
FOR COPY STAND**

Sturdy, metal unit provides added stability and support to the OM Copy Stand.

ORDERING INFORMATION
Table Clamp for Copy Stand

Stock No. 104-041

**ADAPTER RING 49-55mm**

Designed to adapt the 4 standard OM lenses (including the 50mm f3.5 Zuiko Auto-Macro) to the Handy Copy Stand.

ORDERING INFORMATION**Adapter Ring 49-55mm**

Stock No. 104-020

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

Extension Tube 7



Extension Tube 14



Extension Tube 25



Ratio 1:	0.125	0.19	0.25	0.375	0.5	0.75	1
50 mm f1.8 (1.4) Zuiko Auto-S	250x166 390	142x95	86x57	56x37	36x24 70		
55 mm f1.2 Zuiko Auto-S	260x174 420	122x81	84x56	60x40	36x24 55		
35 mm f2.8 Zuiko Auto-W		170x114 180	92x61	62x41	40x27 47		
85 mm f2 Zuiko Auto-T			120x80 360	52x35 200			
100 mm f2.8 Zuiko Auto-T			134x90 500	76x50 320			
135 mm f3.5 (2.8) Zuiko Auto-T		184x122 370	78x52 460				

EXTENSION TUBES

These bayonet-type extension tubes may be used alone or in combination to achieve seven different extension possibilities. (See chart above.) When used with the standard f1.2 lens, subject-to-lens distances can be continuously varied from 15¼" to 2¾". The extension tube 25, when used with the 50mm f3.5 Zuiko Auto-Macro, provides an extended magnification range from 0.5x to life-size.

ORDERING INFORMATION

Extension Tube 7 · Stock No. 104-010





Extension Tube 14 · Stock No. 104-011

Extension Tube 25 · Stock No. 104-012

Setting ranges with extension tubes

The figures in the bands specify: top row: smallest possible picture field (mm) for this combination; bottom row: the free camera distance in mm. All figures rounded down.

The varying tinted bands specify:

-  with 7mm ring
-  with 14mm ring
-  with 25mm ring
-  7+14+25mm rings combined = 46mm