

9630-12

Fig. 1

UNIVERSAL COPYING STAND for Reproduction Ratios of 1:1, 1:1.5, 1:2 and 1:3

The Universal Copying Stand has great versatility in photographing small objects. The obtainable ratios of reproduction cover areas of 24 x 36mm (approx. 1" x 1½"), or 1:1; 36 x 54mm (approx. 1½" x 2½"), or 1:1.5; 48 x 72mm (approx. 2" x 3"), or 1:2 and 72 x 108mm (approx. 3" x 4½"), or 1:3.

It can be used with all Leica models and all current 50mm lenses except the Summarit f/1.5 which is not recommended for close-up work.

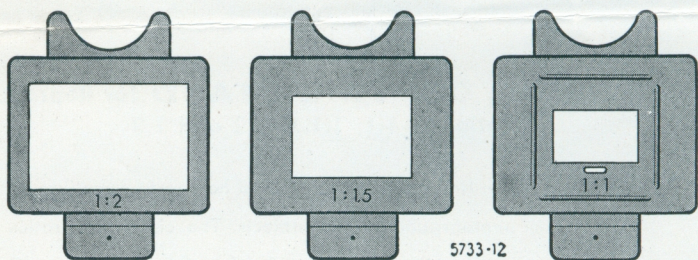
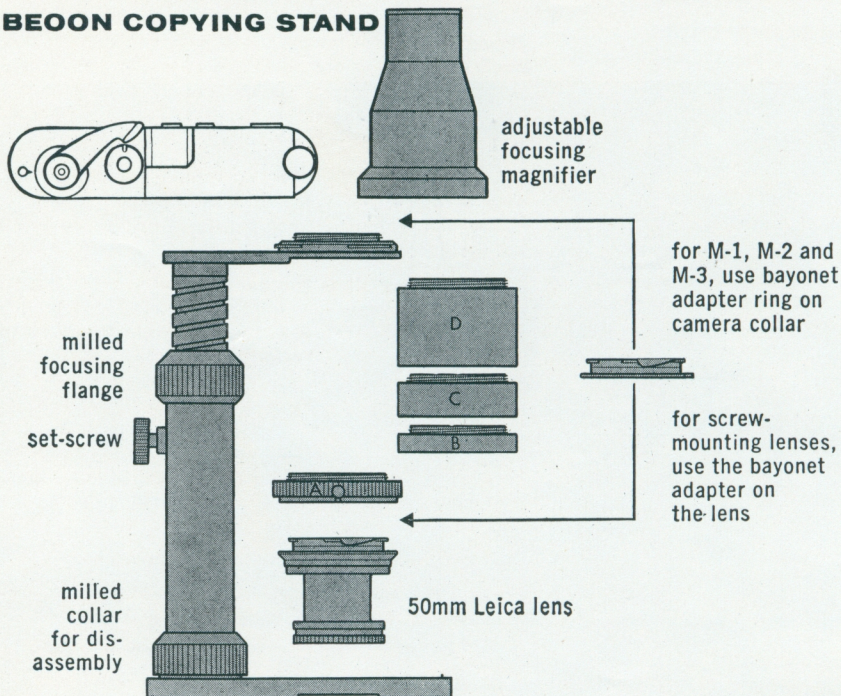


Universal Copying Stand, complete

Catalog No.
16,511

Price
\$55.50

BEON COPYING STAND



area masks for ratios 1:2, 1:1.5, 1:1

base of BEON outlines area for 1:3 ratio

LEICA Models with Bayonet Mount

1. Screw the bayonet adapter ring onto the camera collar.
2. Screw the extension ring or rings for the desired ratio of reproduction into the underside of the camera collar.

Use the following combinations:

- 1/3 life-size: 1:3 = A
 1/2 life-size: 1:2 = A + B
 2/3 life-size: 1:1.5 = A + C
 1/1 life-size: 1:1 = A + D

3. Insert the mask for the corresponding ratio into the base of the stand. For a 1:3 ratio, use the full frame of the base.

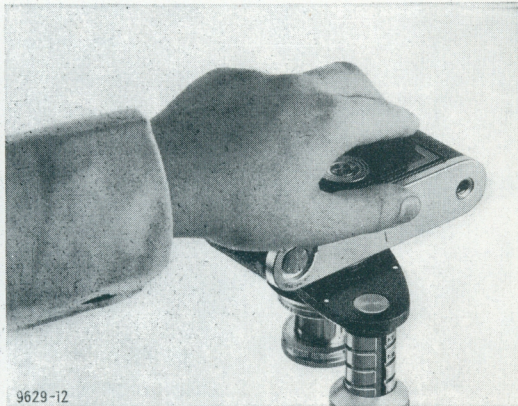
4. Mount any 50mm Leitz lens in the bayonet of the extension ring A (red dot-to-red dot) and lock it into position as you would on the camera. The lens should be set at infinity. A collapsible lens should be fully extended and locked. To disconnect the lens from the extension ring, use the bayonet lock button.
5. Set the approximate height by turning the upper milled ring on the copying stand, with set screw loosened. Ratios of reproduction are engraved on the rear of the adjustable column.
6. Adjust the magnifier: pull out the ocular and point the magnifier toward a light background. While slowly pushing the ocular down, observe the black ring on the ground glass until it is sharp. The ocular is now adjusted for your eyes.
7. Lock the magnifier on the camera collar with a clockwise turn.
8. Focus with the upper milled ring on the stand, observing the image in the center of the ground glass (Fig. 4).
9. Lock the adjustable column with the set-screw.
10. Replace the magnifier with the camera body. Put the camera onto the camera collar so that the red dot is placed under the locking key of the base plate (Fig. 3).
11. Stop down to f/11 to assure adequate depth of field.
12. Exposure time has to be increased by the following factors, due to lens extension:

ratio of 1:3,	approximately	2X
1:2,	"	2.5X
1:1.5,	"	3X
1:1,	"	4X
13. Use a shutter release to avoid vibration.
14. Take the camera off the stand just as you would take a lens out of the camera—by depressing the bayonet locking button and making a 1/8th turn.
15. By unscrewing the lower milled ring you can remove the column from the base plate for storage.

Fig. 2



Fig. 3



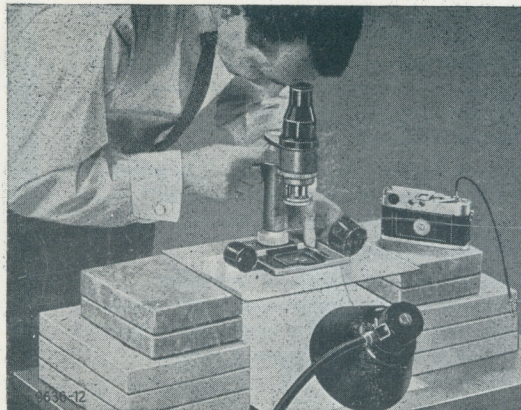


Fig. 4

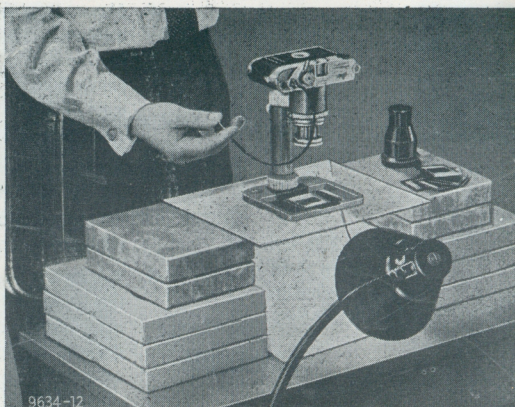


Fig. 5

Leica Models with Screw Mount

1. Screw the camera on to the camera collar snugly but without forcing. If the camera is not parallel to the base of the copying stand, loosen the three screws on the side of the camera collar with a small screw-driver of the proper size. Align the camera base parallel to the two white dots and then retighten the screws.

2. Screw the bayonet adapter ring onto the thread of the 50mm lens and lock the lens into extension ring A.

The remaining steps are the same as with bayonet-mounting lenses.

Making Transparencies

To copy from a film strip (Fig. 4), place it in the film guide channel on the bottom of the base plate. Use extension rings A + D and the proper mask for a 1:1 ratio. Cardboard- or glass-mounted transparencies should be put on top of the mask. The copying stand should be used as shown in Figs. 4 and 5 or set on top of an illuminating box.

E R N S T L E I T Z G M B H W E T Z L A R

U. S. Distributor: E. Leitz, Inc.

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