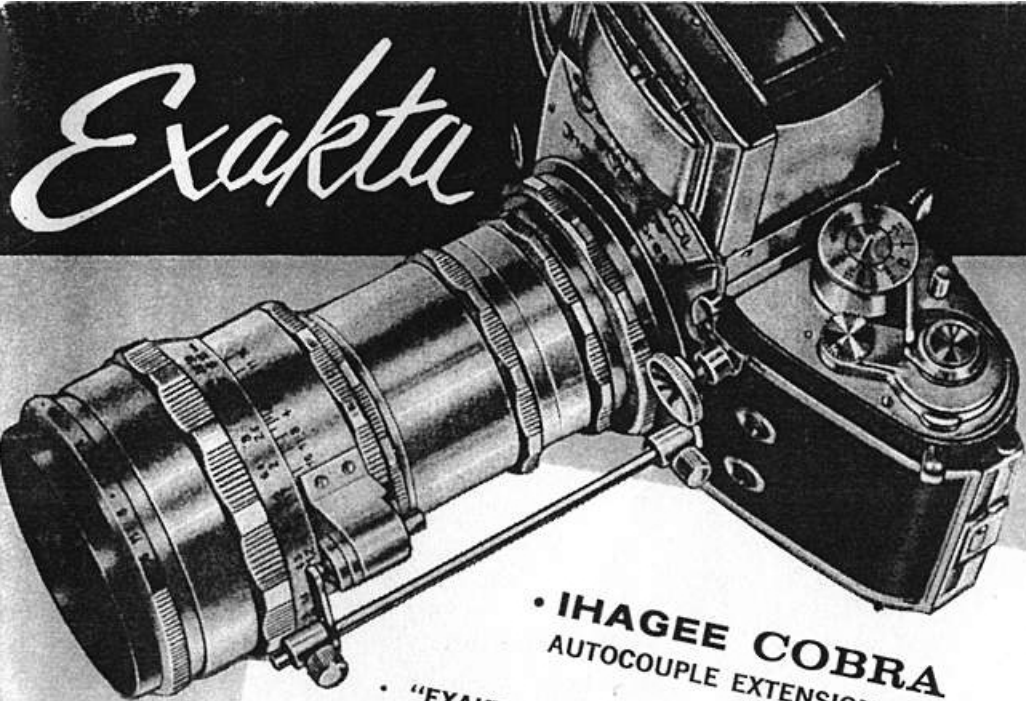


*Exakta*



**• IHAGEE COBRA**  
AUTOCOUPLE EXTENSION RELEASE

- "EXAKTA UNLIMITED"
- MICROSCOPE ADAPTERS
- EXTENSION TUBES
- BELLOWS EXTENSION

Cobra Auto. Lens Release U.S.A. Pat. No. 2751828

For the most part, the lenses of the EXAKTA are provided with an automatic diaphragm device.

Releasing of the diaphragm and of the shutter is performed by one single pressure of the finger. Therefore, the release buttons of lens and shutter are mounted directly one behind the other. This direct connection, however, is interrupted if extensions for close-ups are inserted thus impairing readiness for action in this special type of work. This difficulty has now been eliminated by the

### IHAGEE COBRA Extension Release,

enabling, in a simple manner, the desired quick releasing, even if in such cases, the lenses are combined with bayonet rings and extension tubes up to an extension of 60 mm ( $2 \frac{4}{10}$  in.).

The COBRA extension release consists of the following single parts:

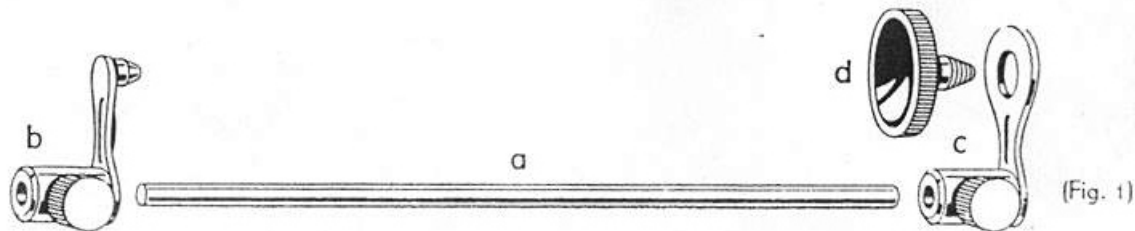
- a) the coupling rod
  - b) the release part
  - c) the pressure part
  - d) the push button
- (see Fig. 1)

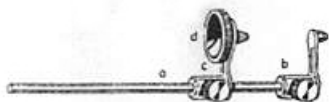
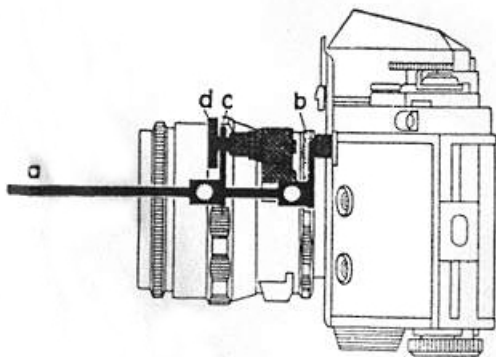
The release part b and the pressure part c are adjustable and interchangeable according to the length of the additional extension.

In actual practice there are, basically, two possibilities as follows:

- 1.) For a very short extension up to 15 mm ( $\frac{6}{10}$  in.) (two-in-one adapter ring, pair of bayonet rings with or without a 5 mm-extension tube) the COBRA extension release is assembled as shown in figure 2.

In this instance (1) pressure part c with push button d are screwed into the release button of the lens diaphragm, while the rivet of release part b is inserted into the push button on the EXAKTA. The distance between release part and pressure part

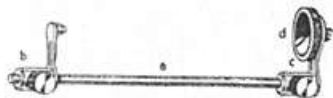
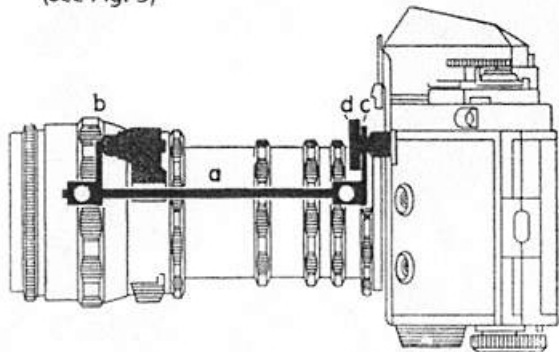




(Fig. 2  
= example I)

having been adapted according to the length of the respective extension both parts are fixed on the coupling rod in this position by tightening their knurled screws. In this way the mechanical connection between the two release buttons is restored, and pressure on push button d releases the lens diaphragm and the camera shutter simultaneously.

- II.) For extensions from 20 to 60 mm ( $[\frac{8}{10}$  to  $2\frac{4}{8}$  in.] pair of bayonet rings and extension tubes) release part and pressure part have to be interchanged. In this case, therefore, the rivet of release part b is inserted into the lens release, and pressure part c is screwed to the camera release by means of push button d. Then, as stated before, the knurled screws are tightened, and the camera is ready for releasing again. Here, too, both elements are released by pressure on the push button. (see Fig. 3)



(Fig. 3  
= example II)

To make sure of perfect functioning, please note the following when connecting the COBRA extension release to the EXAKTA:

When the rivet top of the release part has been inserted into the release button the pressure part has to be close to the push button (always mount the COBRA extension release to the camera with the diaphragm wound up).

Besides, the coupling rod should always be parallel to the optical axis.

This is easily achieved by turning the lens so that both release buttons lie in the same direction, also when using the additional extensions. For this purpose the rear bayonet ring (next to the camera) in the set of tubes is fitted with a clamping ring:

An anti-clockwise turn of this clamping ring rotates the lens with all extension rings around the optical axis as far as is necessary -

turn the clamping ring once more - this time in clockwise direction - and the lens is tightened in the position desired for practical working.

For further increase in convenience for when taking EXAKTA close-ups the clamping ring as well as all

(Fig. 4)



the other rings of the extension tube set are fitted with practical knurled notches for handling. (see Fig. 4)

