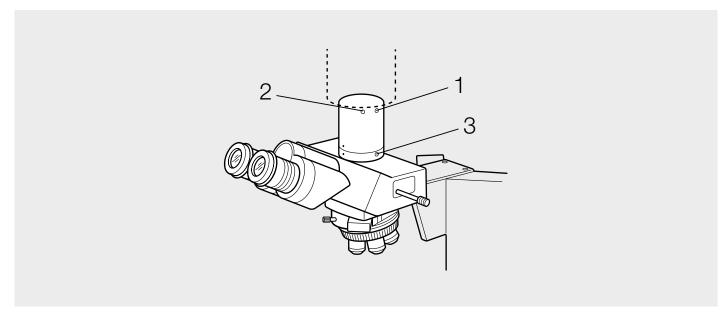


## Adjusting the Parfocality of a Camera Adaptor

- 1. Before you begin the camera adaptor's parfocality adjustments, ensure that the microscope is properly adjusted for Köhler illumination.
- 2. Observing through the eyepieces, focus precisely on a sample by adjusting the eyepiece diopters:
  - a. Turn the diopters to set the mark at zero.
  - **b.** Set the microscope to the lowest magnification and rough focus on the sample.
  - c. Set the microscope to the highest magnification setting and focus using the fine-focus knob until a sharp image is obtained. If your microscope has only one diopter on either the left or right eyepiece, use only one eyepiece without diopter for this fine-focus adjustment.
  - d. Without touching the focus handle, change the magnification setting to the lowest setting, and then use the diopter focusing ring to obtain a sharp focus, first for the left eyepiece, and then the right eyepiece.
  - e. Repeat steps c and d again to make sure that the focus for the left and right eyepieces have been adjusted for both the highest and lowest magnification settings.
- 3. Switch to the lowest magnifying objective lens (or lowest zoom position) without touching the focus handle of the microscope.
- **4.** Focus the monitor image by adjusting the parfocality of the camera adaptor:
  - a. Loosen the mechanical locking screw on the camera adaptor (see 1 in the image below).
  - b. If the adaptor's magnification is 0.35X, 0.5X, or 0.63X, turn the parfocal adjustment screw (see 2 in the image below).

OR If the adaptor's magnification is 1X, loosen the clamping screw (see 3 in the image below), and counterturn its two mechanical sections to adjust the optical pathway length.

- c. Firmly tighten the mechanical locking screw.
- 5. Loosen the straight phototube clamping screw (see 3 in the image below), rotate the camera to the desired position, and then firmly tighten the straight phototube clamping screw.



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