

Phase Contrast Adjustment

1. Ensure that the microscope is properly adjusted for Köhler, set to brightfield illumination mode, and the aperture stop is fully opened.
2. For each phase objective, turn the condenser turret to engage the corresponding phase ring (see the inscription on the objective).
3. Remove the eyepiece and insert a centering telescope. Use the centering telescope's focus to bring the back focal plane image into focus so you get a pinsharp image of both the phase ring slit and the phase plate at the same focus position.
4. Turn the centering screws of the optical element to center the phase ring slit. The phase ring slit is perfectly centered when the bright ring slit image (see 1 in the image below) is concentrically inscribed in the dark image of the lens' phase ring (see 2 in the image below).

