

Centring the lamp attachment

Open field iris 16 as far as possible.

Place groundglass disc or translucent paper on the protective glass plate in the foot of the stand. During the adjustment of the collector lens by means of lever 30 the luminous spot on the mat surface should expand or contract concentrically with the periphery of the glass plate. The centring screw 32 on the lamp mount should be adjusted, if necessary, to achieve this effect. Set the collector lens at its intermediate position.

If after the centring of the filament lamp and condenser the field of view is not evenly illuminated, the setting of the collector lens must be corrected by adjusting the lever 30. Furthermore, the possibility of an improvement in the evenness of the illumination and the brightness should be explored by pulling back the centring mount (loosen clamping screw, collector lens in intermediate position). The dimensions of the filament lamps vary. Therefore optimum illumination is not always obtained with the centring mount pushed home fully.

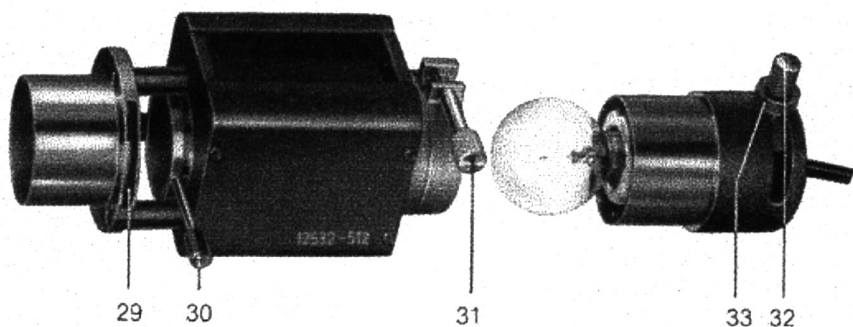


Fig. 4: Inserting the swing-out condenser

Fig. 5: Lamp attachment with 6 V 30 W filament lamp

29 Filter slot

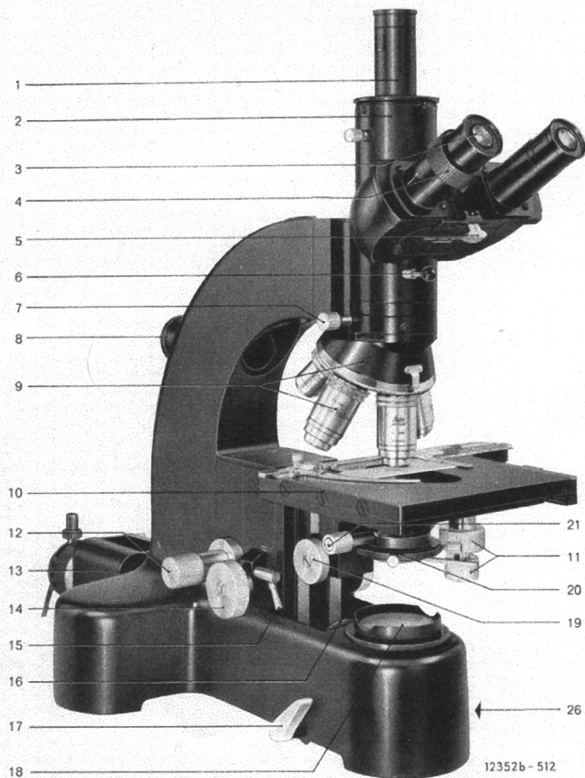
30 Lever for adjusting the collector lens

31 Knurled screw for clamping the lamp mount

32 Knurled screw for centring the bulb

33 Clamp for 32

Fig. 1: ORTHOLUX with FS tube and quintuple revolving nosepiece.



- 1 Eyepiece tube. After removal of the eyepiece the MAKAM 9 x 12 cm camera attachment or the LEICA miniature camera with the MIKAS micro attachment can be inserted for photomicrography. For the ORTHOMAT the FSA tube is preferable.
- 2 Binocular tube FS
- 3 Wide field eyepiece
- 4 Knurled ring for the adjustment of the eyepiece for individual eyesight
- 5 Lever for adjusting the interpupillary distance
- 6 Prism for alternative visual observation and photomicrography
- 7 Clamping screw for the revolving nosepiece
- 8 Aperture for sleeve with lens to receive the lamp attachment
- 9 Objective revolving nosepiece with objectives. In the side of the nosepiece carrier is a slot for a filter slide.
- 10 Mechanical stage No. 250, coaxial, 140 x 130 mm, with object holder. Adjustment range 76 x 40 mm.
- 11 Coaxial operating knobs for the mechanical stage adjustment
- 12 Fine adjustment knob for focusing the microscope image; scale unit $1/1000$ mm.
- 13 Knob for the coarse adjustment
- 14 Lamp attachment
- 15 Clamping lever for the coarse adjustment
- 16 Removable field iris
- 17 Lever for the swing-out lens
- 18 Protective disc
- 19 Vertical condenser adjustment
- 20 Swing-out condenser with screw top
- 21 Milled knob for swinging the condenser top in and out
- 26 Clamping device for the field iris (not visible in the picture)

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