

# Microscope Objectives | OBL

RoHS

Catalog Code W3085

These objectives are educational microscope objectives. They are to the JIS standard (Japanese Industry Standard), have Short focal length, high NA and are fit for beam divergent use.

- Full color correction throughout the visible wavelength.
- The OBL-40 and OBL-60 have a built-in spring in the tip of the objective lens.
- These objective lenses are finite.
- To mount it to a microscope, a finite 160mm adaptor is required.
- The distance from the attachment face of the objective lens to the image is 150mm.



## Guide

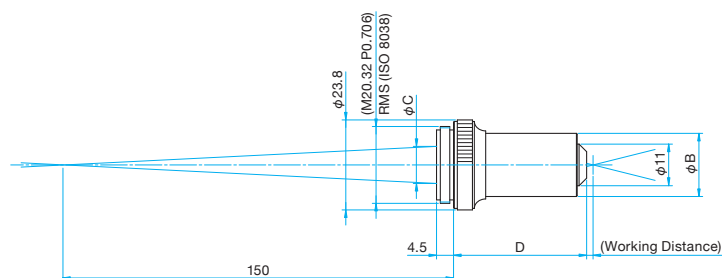
- ▶ Use a special filter (SFB) to correct the wave front distortion.
  - ▶ WEB Reference [Catalog Code W4036](#)
- ▶ Objective holder (LHO) is available for these objective lenses.
  - ▶ WEB Reference [Catalog Code W4024](#)
- ▶ Cross holder (TAT) is now available.
  - ▶ WEB Reference [Catalog Code W4038](#)

## Attention

- ▶ Do not use objectives with high power laser.
- ▶ The objective lenses are finite and are not to be used with infinite lens barrel or poor images will result.
- ▶ To be used only in the visible wavelength range.

## Outline Drawing

(in mm)



## Specifications

Part Number	Magnification	Length D [mm]	Barrel diameter $\phi B$ [mm]	Pupil diameter $\phi C$ [mm]	Focal length f [mm]	NA	Working distance (WD) [mm]	Weight [kg]
OBL-10-A	10	30.5	$\phi 16.7$	$\phi 8.0$	16.6	0.25	6.5	0.05
OBL-20-A	20	35.2	$\phi 16.7$	$\phi 8.0$	9.0	0.40	1.7	0.05
OBL-40-A	40	36.5	$\phi 19.8$	$\phi 5.0$	4.5	0.65	0.6	0.06
OBL-60-A	60	36.7	$\phi 19.7$	$\phi 5.0$	2.91	0.85	0.3	0.07

## Compatible Optic Mounts

LHO-20.32, -20.32A / TAT-18OA + TAT16RO

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f $\theta$  Lenses

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