

# INSTRUCTIONS

# SZ-ADD

## DARKFIELD ADAPTER

### WARNING

*This instruction manual has been prepared for the Darkfield Adapter, Model SZ-ADD, which is designed to be used in conjunction with illuminator bases for Olympus Stereo Microscopes. We recommend that this manual and the instruction manual for the stereo microscope be read carefully in order to obtain the optimum performance from the integrated use of these instruments.*

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# BEFORE USE

## 1 Operation

- ① Avoid exposure to direct sunlight, high temperature and humidity, dust and vibration.
- ② Never scratch or leave fingerprints on the mirror.

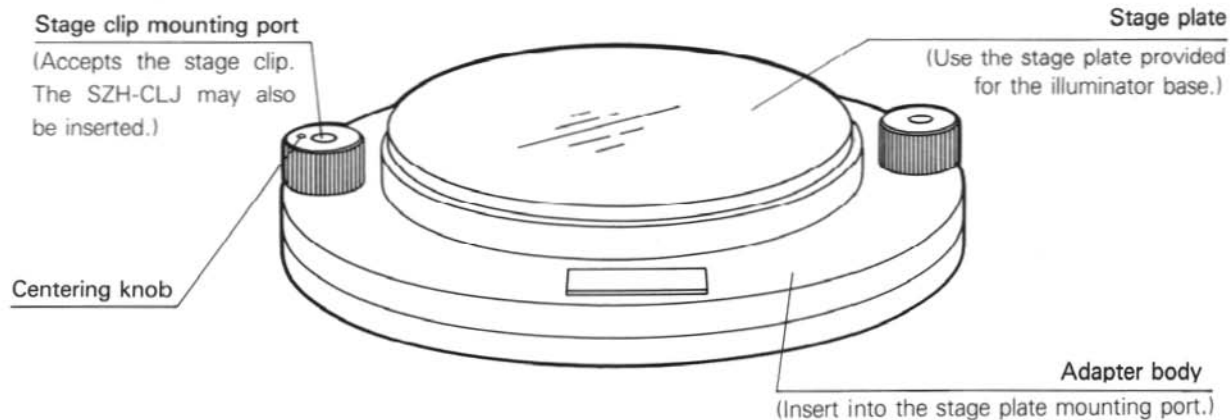
## 2 Care and Storage

- ① Fine dust on the mirror surface should be blown off with a hand blower or gently wiped off with gauze or lens cleaning paper. Carefully wipe off oil or fingerprints on the lens surface with gauze moistened with a small amount of xylene or a 3:7 mixture of alcohol and ether.
- ② When not in use, be sure to store it in an area that is free from dust and moisture.

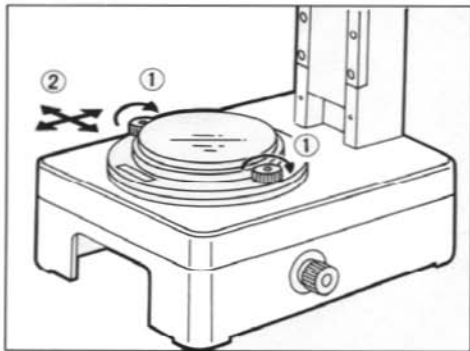
# 1 SPECIFICATIONS

Item	Description
Mounting method	Insert into the 100mm (H) stage plate mounting port.
Stage height	Height of darkfield adapter: 26mm; height when combined with the SZ-ILA: 108mm
Illuminating area	9mm (H)
Applicable illuminator	SZ-ILA

# 2 NOMENCLATURE



### 3 OPERATION



#### Centering

- (1) Loosen the centering knob ①.
- (2) Place a thin piece of paper on the stage and observe at the lowest magnification power.
- (3) Turn the illuminator ON and move the adapter body ② such that the illuminating area is positioned in the center of the field of view.
- (4) Tighten the centering knob ①.
  - ★ If you are using the stage clips, tighten the centering knob securely to prevent it from loosening while the stage clips are being rotated.

#### Precautions

- ★ Because the SZ-ADD does not incorporate a built-in light source, it can only be used in combination with an illuminator base.
- ★ Light intensity is dependant upon the light level of the combined illuminator base. A standard combination is to use the SZ-ILA illuminator base. When brighter illumination is required, combine with the SZ-ILA equipped with a 50W halogen bulb. Although it is possible to combine with the SD-ILK and SZH-ILK, insufficient light levels may result.
- ★ As the light level around the periphery tends to become insufficient at low magnification powers, use the instrument at 2.5x or higher zoom magnification.
- ★ If combined with a conversion lens with 1.5x or higher magnification power, the light level will decrease considerably. Combination with a 0.75x or lower conversion lens will result in a shortage of light at the periphery.

**MEMO**







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The design of the product is under constant review and whilst every effort is made to keep this manual up to date, the right is reserved to change specifications and equipment at any time without prior notice.