OLYMPUS®

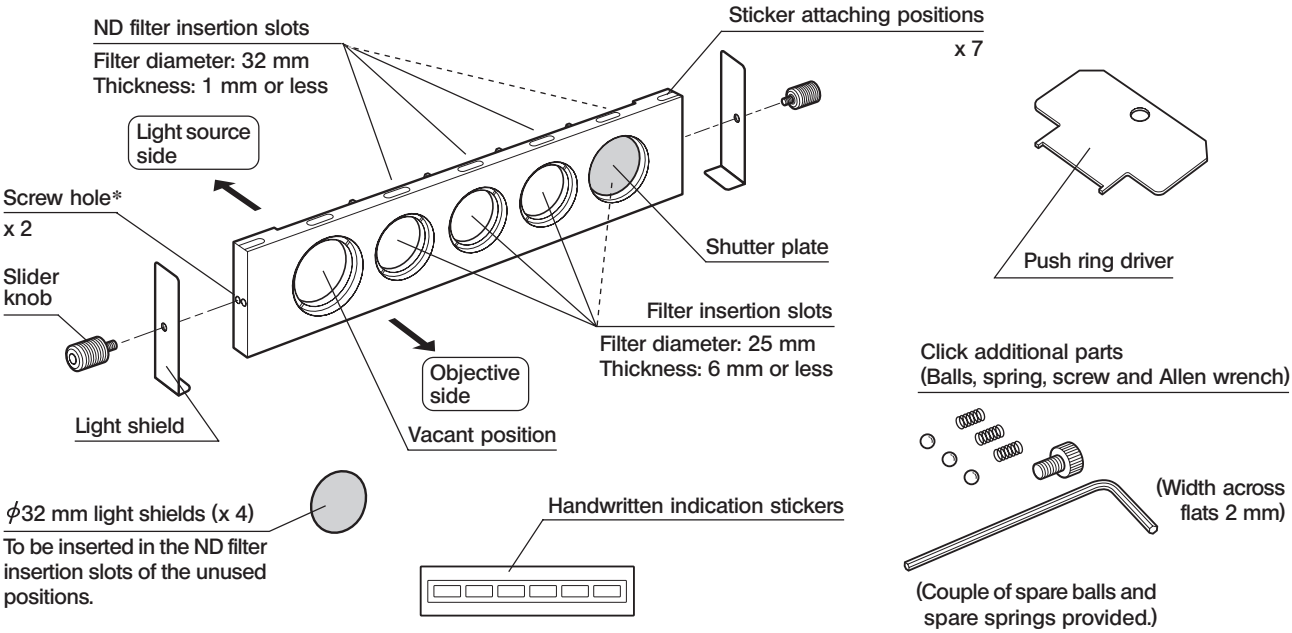
5-POSITION SLIDER

IX2-SL5 INSTRUCTIONS

The IX2-SL5 is a filter slider for use with the IX2 series reflected fluorescent light illuminators. Up to three (four when the shutter plate is removed) of the five positions of the slider can be used to mount excitation filters and any one or more positions of the slider can be used to mount ND filters.

1 External View and Nomenclature

* If the light shields come in the way of operation when the slider is mounted using a screw hole, mount the slider differently by using the other screw hole.



2 Operating Precautions

1. The applicable reflected fluorescent light illuminators are the IX2-RFA, IX2-RFAL, IX2-RFAEVA-2 and IX2-RFAW.
2. When this slider is used, the illumination field of the reflected fluorescent light illuminator is limited to the area of FN 20 in any position except the vacant position.
3. When a commercially available, non-Olympus low reflection ND filter is used, the filter may sometimes be cracked or burnt.
4. The IX2-RFAL and IX2-RFAEVA-2 reflected fluorescent light illuminators are not equipped with the click mechanism. The provided click additional parts should be used when one of them is used.
5. To prevent light leak, be sure to attach the provided ϕ32 mm light shields in the unused positions.
6. When this slider is inserted into the slider inlet on the lamp housing side of the IX2-RFAL while the IX2-RSPC right port adapter is mounted on the IX2 microscope frame, the slider cannot be pulled out completely because it interferes with the camera.

■ Relationship between the size of the camera on the right side port and interferences on the IX2-SL5

(Assuming that the IX2-SL5 is inserted into the filter slider pocket on the light source side of the IX2-RFAL illuminator and that the IX2-RSPC is also mounted)

Height from the center of C-mount	Depth from the center of C-mount	Interference condition
Less than 27 mm	—	None.
27 mm to 45 mm exclusive	Less than 34 mm	Deepest (vacant) position is unusable.
	34 mm to 70 mm exclusive	The two deepest positions are unusable.
	70 mm or more	The three deepest positions are unusable.
45 mm or more	Less than 20 mm	Deepest (vacant) position is unusable.
	20 mm to 56 mm exclusive	The two deepest positions are unusable.
	56 mm or more	The three deepest positions are unusable.

AX6647 IX2-SL5

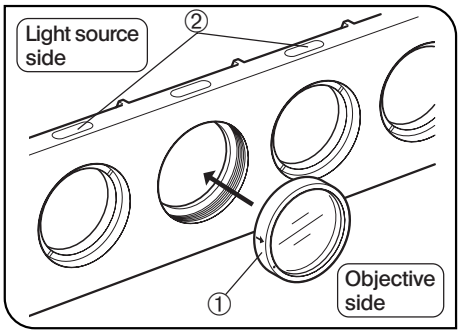
3 Mounting the Filter and Slider

◎The ND filter can be mounted even after the slider has been mounted on the illuminator, by simply dropping the filter into one of the ND filter insertion slots.

★**Clean the ND filter before mounting because a dirty filter tends to crack easily.**

1. Using the push ring driver, turn the filter push ring on the filter insertion slot counterclockwise to remove it.

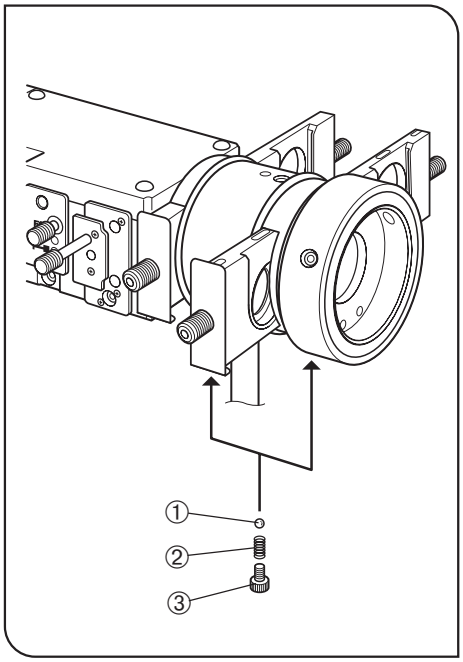
★**The excitation filter should be inserted in the specified orientation. Insert it so that the indication arrow ① on the filter frame points the objective.**



2. Gently drop the excitation filter of the specified size into the filter insertion slot in the correct orientation, and tighten the filter push ring by turning it clockwise using the push ring driver.
3. Write the name (or abbreviation) of the mounted filter on one of the provided handwritten indication stickers and attach it to one of the sticker attaching positions ②.
   - Since the position directly above the filter position is invisible when the filter is engaged in the light path, the sticker should be attached to the position on the left or right of the position in which the filter is mounted.
   - Attach the sticker to the position which comes near the slider inlet when the slider is set on the microscope.
4. Remove one of the slider knobs of the slider, insert the slider into the filter slider inlet of the illuminator and attach the removed knob again.
   Be sure to insert the **light shield** on the side facing the observer.

4 Attaching the Click Additional Parts

◎When the illuminator is the IX2-RFAL or IX2-RFAEVA-2, it is required to attach the click additional parts.



1. With the IX2-RFAL, remove the screw, which functions as the cap, on the center of the bottom side of the filter inlet using the provided Allen wrench (width across flats 2 mm).
2. Put the ball ① and spring ② into the center of the bottom side of the filter inlet and fix them with the screw ③.
   Use the Allen screwdriver provided with the microscope frame for clamping the screw.

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