Installation guide
Adapter for microscope Nikon® Eclipse® TsR - TsR-FL
English (EN)

These mounting instructions are a supplement to the operating manuals for the micromanipulators and are not a substitute, so also read the operating manuals before using the adapter for the first time. The current versions of the operating manuals can be found on the Internet at www.eppendorf.com.

1 Overview

Adapter for mounting a micromanipulator to a microscope.

Adapter Nikon® 2 for Nikon® microscope models:
- Eclipse® Ts2R
- Eclipse® Ts2R-FL

For Eppendorf micromanipulators:
- TransferMan® 4r
- TransferMan® 4m
- InjectMan® 4

Fig. 1: Assembly overview
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Fig. 2: Delivery package

1 Z-module holder
2 Angle plate
3 Distance sleeve
4 Mounting plate
5 Adapter plate
2 Installation

2.1 Removing the condenser

1. Loosen the set screw.

2. Pull the condenser out to the front.

3. Unscrew the upper screws of the condenser holder.
2.2 Preparing the mounting plate

1. Insert the distance sleeves into the mounting plate from behind.
2. Loosely fasten the upper distance sleeves.
3. Completely screw in the lower distance sleeves.
4. Fasten the lower distance sleeves from the front by turning them clockwise.

2.3 Assembling the mounting plate

Prerequisites

- The mounting plate is equipped with the distance sleeves.
- The upper distance sleeves are loosely fitted.
- The screws have flat washers.

1. Insert the screws from the front through the lower distance sleeves.
2. Hold the mounting plate against the condenser holder.
3. Tighten the screws using the Allen key.
2.4 Preparing the adapter plate

1. Insert and loosely tighten the Z-module holder in the right-hand groove.
2. Insert and loosely tighten the Z-module holder in the left-hand groove.

3. Insert the Allen key from the front into the upper distance sleeves.
4. Turn the distance sleeves clockwise until they just touch the condenser holder.
5. Fit the screws through the upper distance sleeves.
6. Tighten the screws using the Allen key.
2.5 Connecting the adapter plate and the mounting plate

1. Fit the adapter plate with the angle plates from the rear against the mounting plate.
2. Insert the screws from the front in the mounting plate.
3. Tighten the screws using the Allen key.

2.6 Retightening the screws

1. Tighten loose screws at the bottom of the adapter plate using the Allen key.
### 2.7 Inserting the condenser

1. Insert the condenser from the front in the condenser holder.
2. Tighten the set screw.
3. Check the Koehler adjustment of the microscope.

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### 3 Example parameter for installation

![Overview adapter plate with right side mounted motor modules](image)

**Fig. 3:** Overview adapter plate with right side mounted motor modules
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Tab. 1: Example position parameters for different mounting angles

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4 Ordering information

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