

## ■ Installation of Slider/Cylinder

### ● Installation Conditions of Slider/Cylinder

Install the slider/cylinder in a place satisfying the following conditions. Using the slider/cylinder in locations not satisfying these conditions may damage the product.

- Indoor (This product is designed and manufactured for use in equipment as an internal component.)
- An ambient temperature of 0°C to +40°C (nonfreezing)
- A relative humidity of 85% or below (noncondensing)
- A place not exposed to explosive, flammable or corrosive gases
- A well-ventilated place
- A place away from direct sunlight
- A place not subject to dust
- A place not subject to water, oil or other liquids
- A place where the slider/cylinder can easily discharge heat
- A place not subject to continuous vibration or excessive shock

### ● Installation of Slider

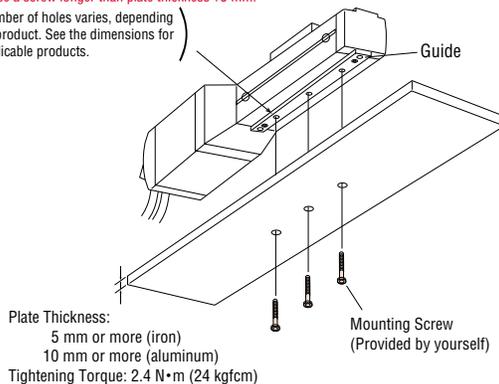
#### ◇ Installing the Slider Body

##### **EZS3** and **EZHS3**

Mounting Hole: M4 P0.7, Depth 5 mm

\*Do not use a screw longer than plate thickness +5 mm.

(The number of holes varies, depending on the product. See the dimensions for the applicable products.)



##### **EZS4·EZHS4·EZS6** and **EZHS6**

Mounting Screws (supplied)

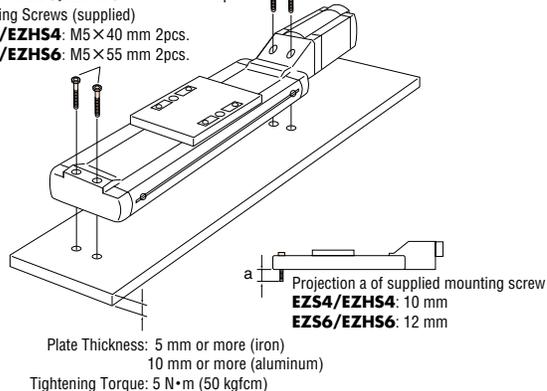
**EZS4/EZHS4**: M5×55 mm 2pcs.

**EZS6/EZHS6**: M5×75 mm 2pcs.

Mounting Screws (supplied)

**EZS4/EZHS4**: M5×40 mm 2pcs.

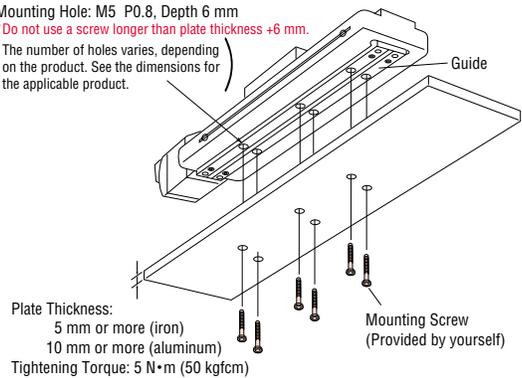
**EZS6/EZHS6**: M5×55 mm 2pcs.



Mounting Hole: M5 P0.8, Depth 6 mm

\*Do not use a screw longer than plate thickness +6 mm.

(The number of holes varies, depending on the product. See the dimensions for the applicable product.)



Notes:

- Ensure a parallelism of approx. 0.06 mm (**EZS3, EZHS3**: 0.035 mm) between the mounting surface and mounting plate, and provide a guide of approx. 200 mm long.
- Unless the slider is installed horizontally so that load moment is not applied, affix the slider using all holes provided in its bottom face.

#### ◇ Installing the Load to the Slider

Four mounting holes are provided in the slider table for installation of the work. Use these holes to affix the work.

Load Mounting Holes

**EZS3/EZHS3** : M4 P0.7, Depth 8 mm

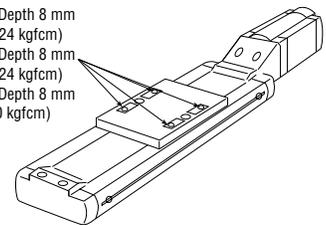
Tightening Torque: 2.4 N·m (24 kgfcm)

**EZS4/EZHS4** : M4 P0.7, Depth 8 mm

Tightening Torque: 2.4 N·m (24 kgfcm)

**EZS6/EZHS6** : M5 P0.8, Depth 8 mm

Tightening Torque: 5 N·m (50 kgfcm)

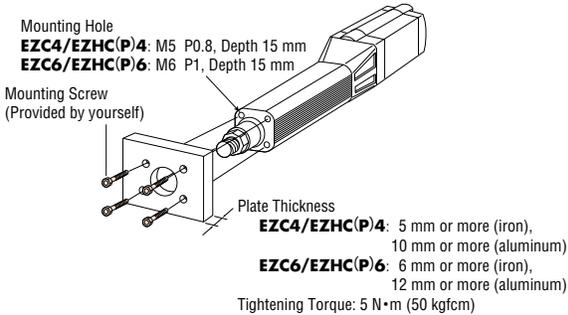


Note: The screws used to affix the load to the table shall not be longer than the thickness of the load by more than 8 mm. If the screw is more than 8 mm longer than the thickness of the load, the screw will contact the side cover of the slider.

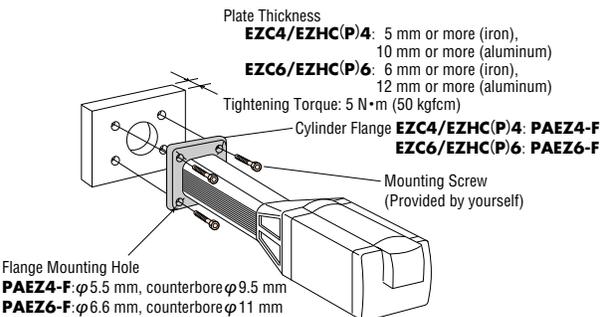
## ● Installation of Cylinder

### ◇ Installing the Cylinder Body

Installation using the mounting holes in the cylinder

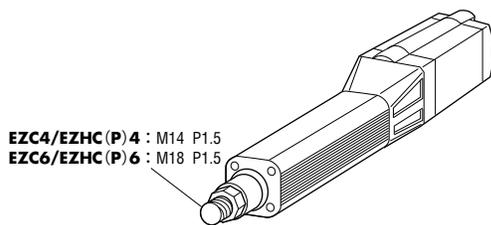


Installation using a cylinder flange **PAEZ□-F** (optional)



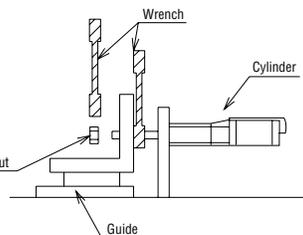
The flange comes with the screws  
 for installing the flange to the cylinder.  
**EZC4/EZHC(P)4:** M5×20 mm 4 pcs.  
**EZC6/EZHC(P)6:** M5×25 mm 4 pcs.

### ◇ Installing the Load to the Cylinder

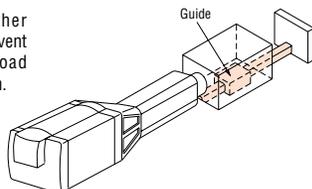


#### Notes:

- When affixing the load, tighten the screws with the rod locked by a wrench or other appropriate tool so that the rod will not be subjected to angular moment.



- Provide a guide or other appropriate mechanism to prevent the rod from receiving a load other than in the axial direction.



## ■ Installation of Controller/Battery

### ● Installation Conditions

Install the controller/battery in a place satisfying the following conditions. Using the controller/battery in locations not satisfying these conditions may damage the product.

- Indoor (This product is designed and manufactured for use in equipment as an internal component.)
- An ambient temperature of 0°C to +40°C (nonfreezing)
- An ambient humidity

Controller: 85% or below (noncondensing)

Battery: 20 to 85% or below (noncondensing)

- A place not exposed to explosive, flammable or corrosive gases
- A place not subject to dust
- A place not subject to water, oil or other liquids
- A place where the controller/battery can easily discharge heat
- A place not subject to continuous vibration or excessive shock

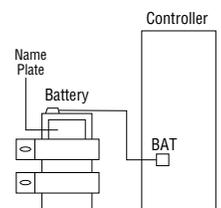
#### Notes:

- When the controller is installed in an enclosed space such as the interior of a control panel, or near a heat source, always provide ventilation holes to prevent the controller temperature from rising.
- If the installation location is near a vibration source and the controller is subject to vibration, install a shock absorber.
- If a source of significant noise (e.g., a high-frequency welder or large-capacity electromagnetic switch) is located near the controller, provide appropriate measures such as inserting a noise filter, changing the wiring layout and suppressing noise generation.
- Make sure conductive particles (chips, pins, wire offcuts, etc.) will not enter the controller.

### ● Installation of Battery

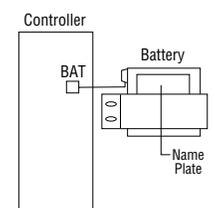
#### EZS and EZC Series

Install the battery using the supplied battery holder in such a way that the recycling mark on the battery nameplate remains visible and by avoiding the protective circuit (see the external view of battery on p.52). The battery may be installed in any orientation, as long as a minimum clearance of 25 mm is provided between the controller and the battery and the battery lead wires can reach the controller.



#### EZHS·EZHC and EZHP Series

Install the battery using the supplied battery holder in such a way that the recycling mark on the battery nameplate remains visible. The battery may be installed in any orientation, as long as a minimum clearance of 25 mm is provided between the controller and the battery and the battery leads can reach the controller.



## ● Installation of Controller

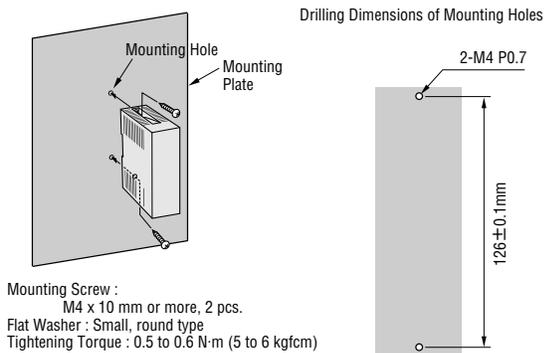
### EZS and EZC Series

#### ◇ Installing with Screws

When installing the controller with screws, use the two mounting holes provide on the top and bottom, as shown below.

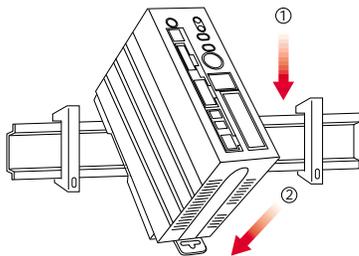
Use M4 screws and tighten them via a flat washer, etc.

Note: The mounting screws and flat washers are not supplied with the controller. Those items must be provided by the customer.



#### ◇ Installing to a DIN Rail

The controller may be installed to a DIN rail using a DIN rail mounting plate **PADP01** (optional).



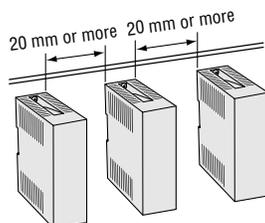
#### Notes:

- Use a DIN rail with a rail width of 35 mm. Also, use an end plate for affixing the controller.
- The DIN rail and end plate are not supplied with the controller. Those items must be provided by the customer.

#### ◇ Installation Clearances

When two or more controllers are connected, the ambient temperature will increase due to rise in the temperature of each controller. Provide a minimum clearance of 20 mm between the two adjacent controllers and a minimum clearance of 25 mm between each controller and other equipment or structure in all directions.

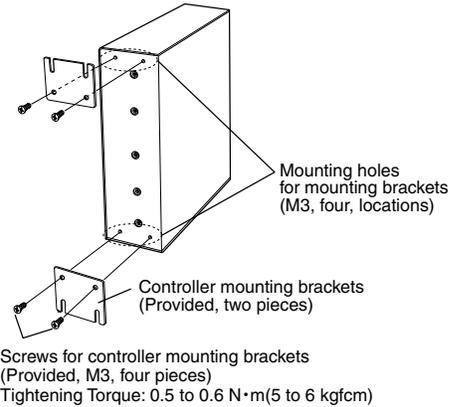
If the ambient temperature is expected to exceed 40°C, provide forced cooling via a fan.



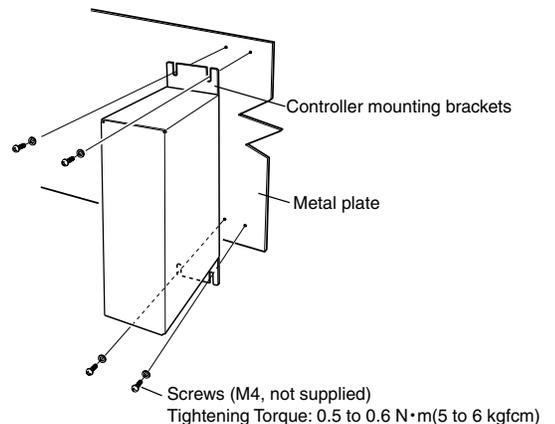
### EZHS·EZHC and EZHP Series

#### ◇ Installing using Controller Mounting Brackets

Install the controller mounting brackets over the mounting holes (4 locations) at the back of the controller, using the supplied screws (M3: 4 pieces.)



Using the mounting holes in the controller mounting brackets and four screws (M4: not supplied; to be provided by user; ), install the controller by making sure no gaps remain along the metal plate.



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