

Air Damper Manual

Regular Type

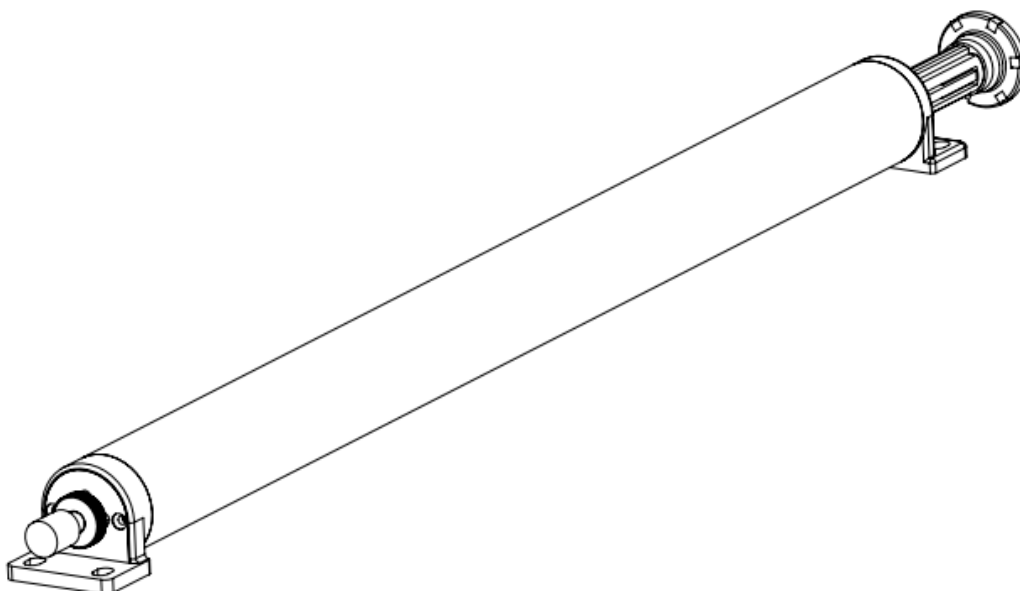
AD100-R

Short Type

AD100-S

Magnet (Optional)

AD50-M



Introduction

Thank you very much for purchasing this product.

■ This instruction manual explains the correct usage of this product. Please read carefully before using and use it in the correct way.

■ Please note that the contents of this manual may differ from the actual product due to specification changes.

■ Outlines of the product

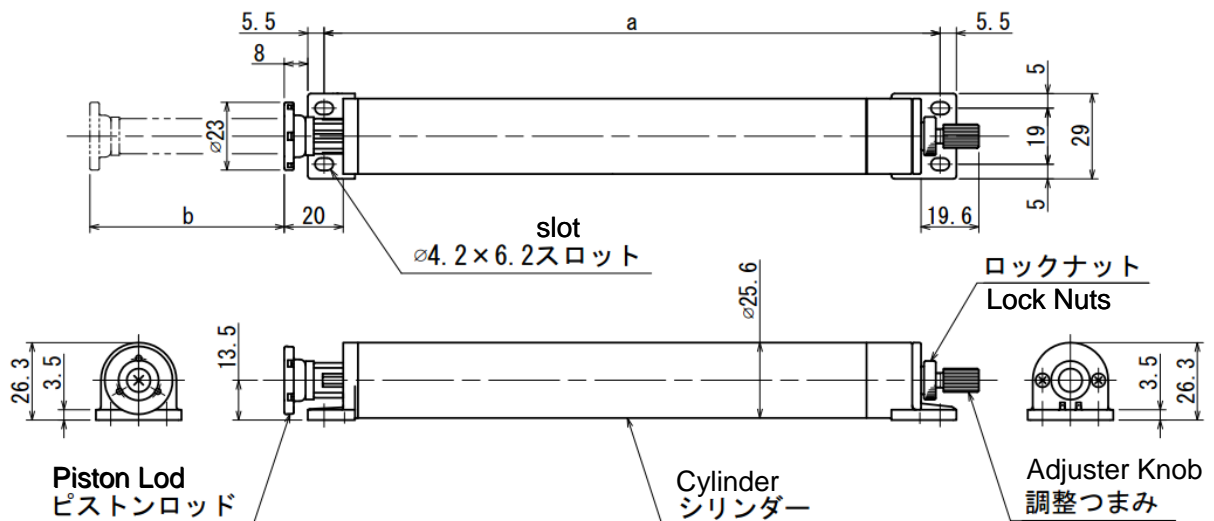
Target Usage

It can be used as a shock absorber for a hanging type sliding door (self-closing type / manual type).

Line-Up

- Regular Type : Air Damper with standard length
- Short Type : Type with shorter cylinder length and stroke than regular type
- Magnet(Optional) : Being used for pulling out a piston lod
- ※ Another holding part is needed to use Magnet.

Name of parts and sizes



Type	Regular Type	Short Type
a (Installing Pitch)	379mm	233mm
b (Maximum Stroke)	267mm	121mm

Material

- Cylinder : Aluminium Alloy(A6063)
- Piston Lod : Nylon(PA66)
- Magnet : Ba ferrite

Cautions for Safety



Caution

On the case you ignore below thing, it may cause harmful damage for both human and materials.

- Do NOT add extra force toward a piston rod with fully closed adjuster knob. By internal pressure, parts may be disassembled and jump out.

Warnings of usage

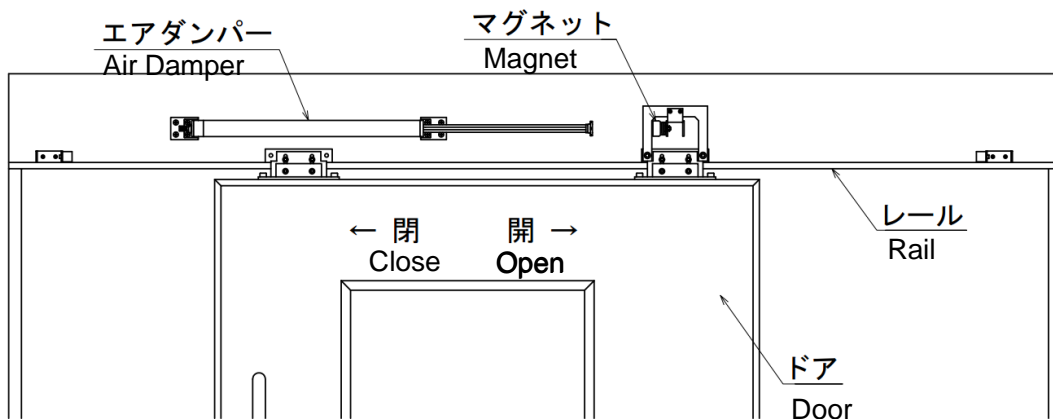
- Do NOT disassemble. It may cause oil leak and/or malfunction.
- Make sure that no foreign matter enters inside. It may cause malfunction.
- Do not use the product under water or with water. It may cause malfunction.
- Installation in a location with severe environmental conditions such as extremely low or high temperatures may not maintain normal functions.

* Please contact us for installation outside the general environment.

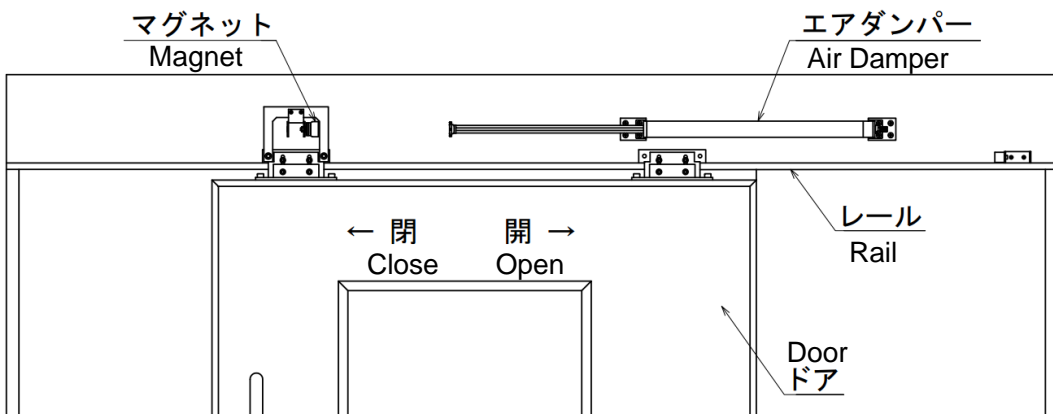
Examples how to install an Air Damper

Below examples are for a hanging type sliding door

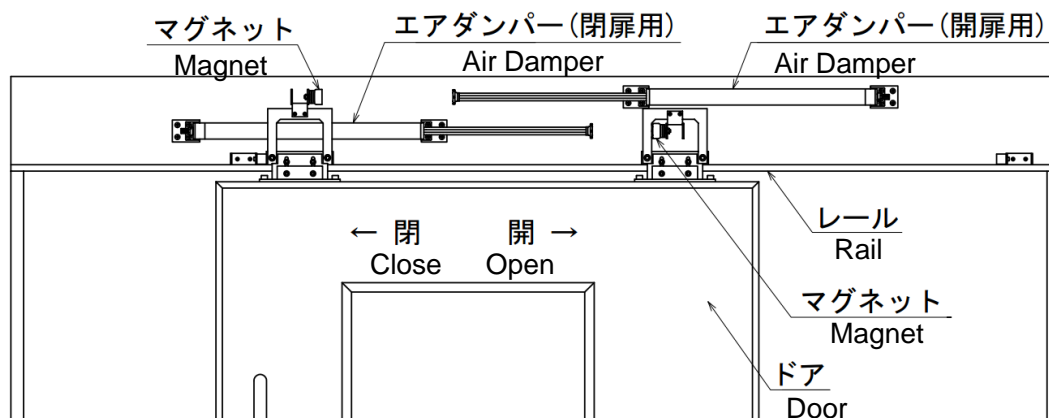
a) Damper for closing door



b) Damper for opening door



c) Dampers for both closing and opening

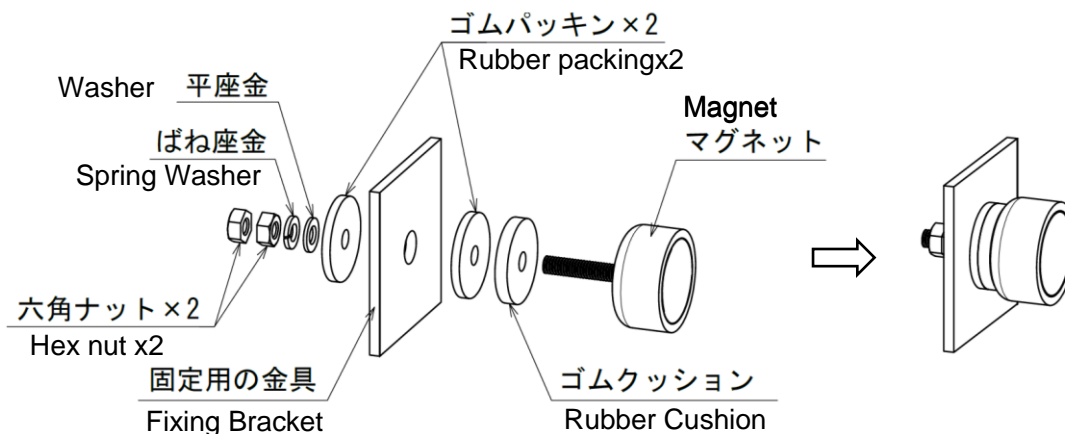


To fix the air damper body, screw the four slot holes. Use screws with sufficient length for fixing screws.

■ Recommended screw: M4 trusscrew

Do not overtighten the fixing screws. The fixed part may be damaged.

How to fixing the magnet



To fix the magnet, hold the fixing bracket between the two rubber packings as shown above. Also, before use, tighten the two hex nuts sufficiently and check that they are not loose.

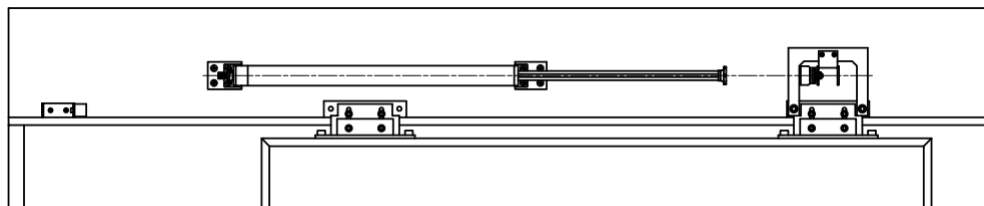
※ Please prepare the fixing bracket by your side.

Warnings for fixing

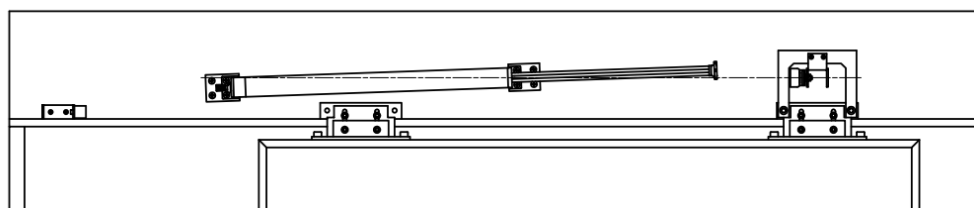
To avoid damaging the functionality of the product, install it according to the following warnings.

1. Install the air damper body straight along with the pushing direction.

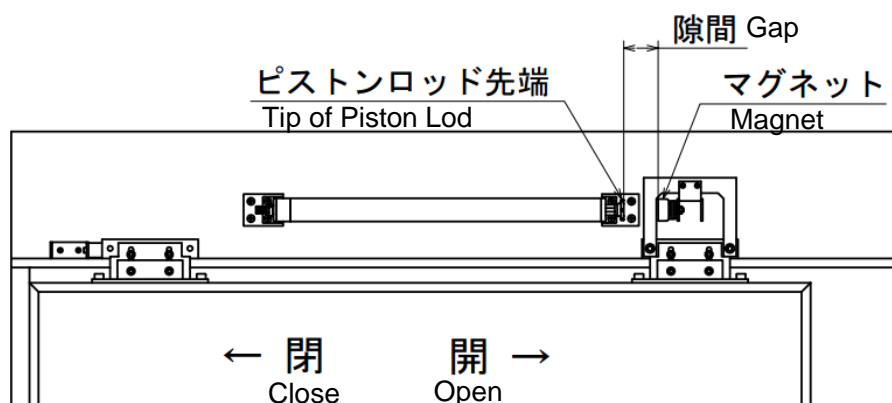
○ Correct way



× Wrong way

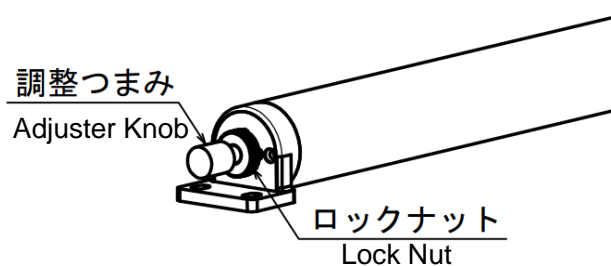


2. Please adjust the mounting position of the air damper body so that there is a gap between the piston rod tip and the magnet, during the piston rod is pushed in by opening and closing the door. Also, make sure that the piston rod tip is touched to the magnet before use.



3. Make sure that the screw for fixing the air damper body is not loose.

How to adjust damping force



Adjust the damping force after loosening the lock nut. Tightening the adjustment knob clockwise will increase the damping force, and loosening it counterclockwise will decrease the damping force. After adjustment, tighten the lock nut before use.

Service

Please feel free to contact us for product consultation, repairs, and inquiries.

- Manufactured and Sold by

Matex Co.,Ltd.

1-125 Mizukoshi, Yao-city, Osaka Pref. Japan, Postal code 581-0856

MAIL: info@matex-japan.com

TEL : +81-72-941-8652

FAX : +81-72-941-8820