

Door Closer "AUTO-HINGE" Series

*Used for various doors world wide
such as medical institutions, wellness centers,
offices and transportation equipment.*



AUTO-HINGE Center Hang Type



AUTO-HINGE Flag Type

The door closing is automatically controlled by the action of springs and hydraulics, resulting in an armless and clean door.



Sliding Door Closer

AUTO-HINGE Center Hang Type

Concealed door hinge with self-closing function
Built into the door, offering aesthetic outer appearance.

Suitable not only for regular swing doors, but also for fire doors, smoke ventilations or air intake doors.



- **Door built-in type**

Since it is concealed inside the door, it cannot be seen from the outside and enhances the aesthetic appearance of the door.

- **Suitable for fire doors, smoke ventilations or air intake doors.**

By utilizing an electromagnetic release latch, fire doors can be closed, and smoke exhaust/air supply doors can be opened by integrating with smoke/heat detectors.

- **Excellent performance and durability**

Drive/control device intergrated type. It is used in public telephone booths all over Japan. It is also recognized as a top share item for fire doors in buildings.

- **Wide variety of models**

Variety of models available for different sizes and weight of doors.



Closing image

- **Representative models**

AFD, A series

- **Applicable door weight**

50 to 650 kg or less

Application

Normally opened or normally closed fire doors

Usage examples

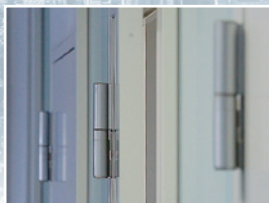
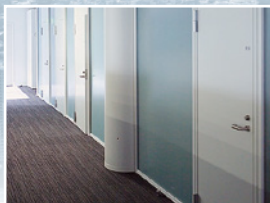
Around elevators, evacuation stairs, annexes, corridors, telephone boxes

AUTO-HINGE Flag Type

Built-in door closer function in the hinge

A quiet and smooth movement realized by hydraulic mechanism and advanced spring technology.

A self-closing mechanism that allows easy adjustment of the closing speed and a simple design. It provides an aesthetic image and sophisticated features for every door.



- **Built-in door closer function in the hinge**

Provides a simple neat look to the door.

- **Sufficient door-closing power**

Two different springs (weak and strong) along with a clutch switching mechanism enables sufficient door-closing power, even with its slim body.

- **Simple adjustment for closing speed**

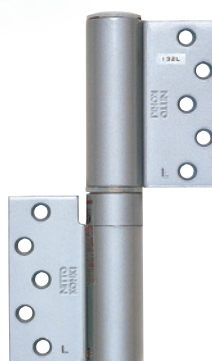
The door closing speed can be easily adjusted with a screwdriver.

- **Internal stop mechanism (some models)**

The door stops at positions 85° and 150°.

- **Wide variety of models**

Variety of models available for different sizes, weight and type (material) of doors.



- **Representative models**

300 series, 100/200 series, 700 series, 1000 series, 2000 series, PC series

- **Applicable door weight**

30 to 120 kg or less

Application

General doors, fire doors

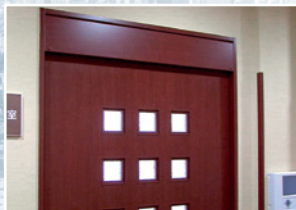
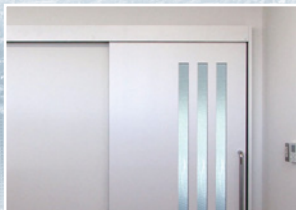
Usage examples

Offices, drawing rooms, meeting rooms, hotel guest rooms, entrances, housing, elevator halls, evacuation stairs, gates (drip-proof)

Sliding Door Closer

High-performance sliding door closer with quiet and light opening/closing and excellent workability

Sliding closer engineered with user-friendly technology
We respond to needs with abundant types and sizes



- **Opens easily with small force**

Light door resistance allows easy opening.

- **Small, lightweight, long life**

Compact design, lightweight structure and long lifetime achieved by the unique endless viscosity resistance system (patent pending)

- **Quiet opening / closing**

The reinforced resin door roller and aluminum rails allow very quiet opening and closing.
In addition, it closes securely at the desired closing speed.

- **Non-handed design, right/left convertible**

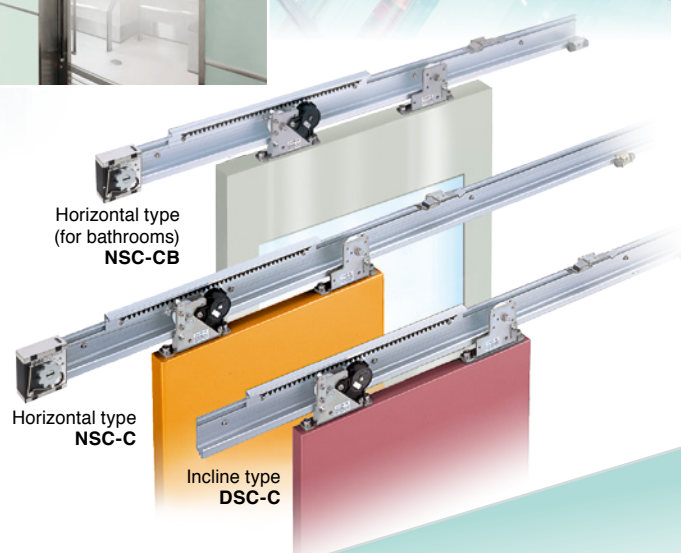
It can be easily converted between left and right handing by a simple adjustment procedure.

- **Wide variety of models**

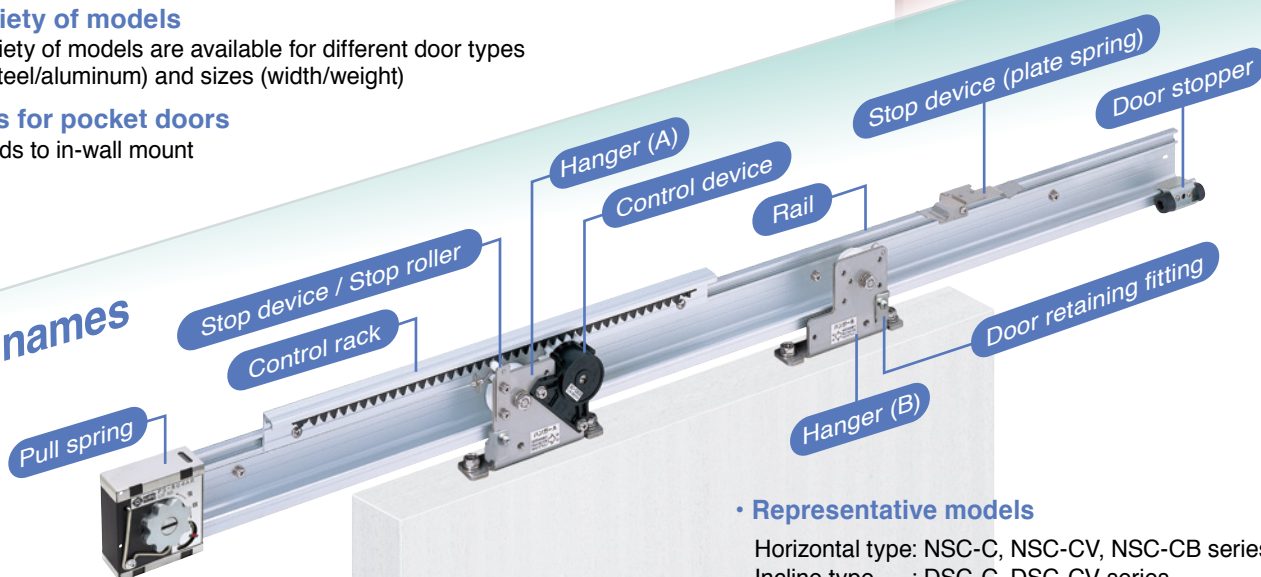
A wide variety of models are available for different door types (wooden/steel/aluminum) and sizes (width/weight)

- **KS series for pocket doors**

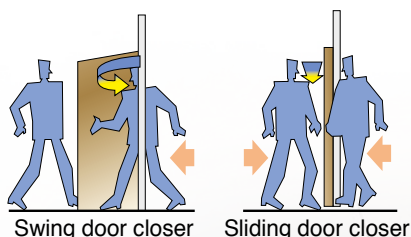
Corresponds to in-wall mount



Part names



Sliding Door Closer system,
an ideal solution for
eliminating dead space
and ensuring safety.



- **Representative models**

Horizontal type: NSC-C, NSC-CV, NSC-CB series
Incline type : DSC-C, DSC-CV series

- **Applicable door weight**

From 10 to 250 kg

Application

For sliding doors

Usage examples

Offices, drawing rooms, meeting rooms,
hotel guest rooms, sickrooms

Options for Sliding Door Closer

DSC (incline) series

Applicable door	Model	Option						
	incline DSC	Free stop device *1	Delayed device *1	Back check device *1	Bi-Parting	Interlocking sliding door	Close assist device	Air Damper
Wooden doors	DSC-CW30V	●	●	●	●	●	●	●
	DSC-CW60V	●	●	●	●	●	●	●
	DSC-CW03	●	●	●	●	●	●	●
	DSC-CW08	●	●	●	●	●	●	●
Steel doors	DSC-C30V	●	●	●	●	●	●	●
	DSC-C60V	●	●	●	●	●	●	●
	DSC-C03	●	●	●	●	●	●	●
	DSC-C08	●	●	●	●	●	●	●
	DSC-C015	●		●	●			

NSC (horizontal) series

Applicable door	Model	Option						
	horizontal NSC	Free stop device *1	Delayed device *1	Back check device *1	Bi-Parting	Interlocking sliding door	Close assist device	Air Damper
Wooden doors	NSC-CW60V	●	●	●	●	●	●	●
	NSC-CW23	●	●	●	●	●	●	●
	NSC-CW48	●	●	●	●	●	●	●
Steel doors	NSC-C60V	●	●	●	●	●	●	●
	NSC-C48	●	●	●	●	●	●	●
	NSC-C1215	●		●	●			
	NSC-C2525							

Remark *1. Only one of the following options can be used on one system. (Multiple options cannot be used together.)

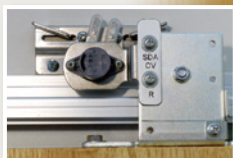
Free stop device / delayed device / back check device

*2. The option device(s) may not be able to use depending on the shape of door frame.

DELAYED DEVICE

Function

- This option holds the door at full open position and automatically releases it after desired time period (settable between 0-15 sec).
- Increases safety during the passage for all, including the elderly, small children, people of limited mobility and those who carries cargo.



FREE STOP DEVICE

Function

- The door can be stopped at any desired position. To release, lightly pull the door to closing direction so the door will automatically close.
- This device is an option.
- Non handed, suitable for left or right hand opening.



CLOSE ASSIST DEVICE

Function

- The product catches the door at 25 mm from the full close position and firmly latches. Useful in the situations where the door is equipped with electronic lock having tight latch or the door gets often bounced back by airtight seal at closure.
- The latching force is adjustable during the installation. (Adjustment range: 5-10 N)
- The product can be used for both left and right hand sliding doors.



AIR DAMPER UNIT

- Air Damper Unit can be installed on the C-series and CV-series sliding door closers (door weight <80 kg).



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