

New-generation sliding door closers developed with user-friendly technologies.

NITTO KOHKI Sliding Closer

Horizontal For bathroom **NSC-CB**

Horizontal NSC-C

Inclined DSC-C



We propose a new style of door opening/closing.







New sliding closers **DSC-C** (incline (horizontal) series "Innovation and

Long service life

 The control device incorporates a fluid friction resistance, oneway clutch mechanism to ensure secure control, small size, and a long service life.

Light door-opening force

 Since door resistance is low, the door can be opened easily even by elderly citizens, young children, and people with disabilities.

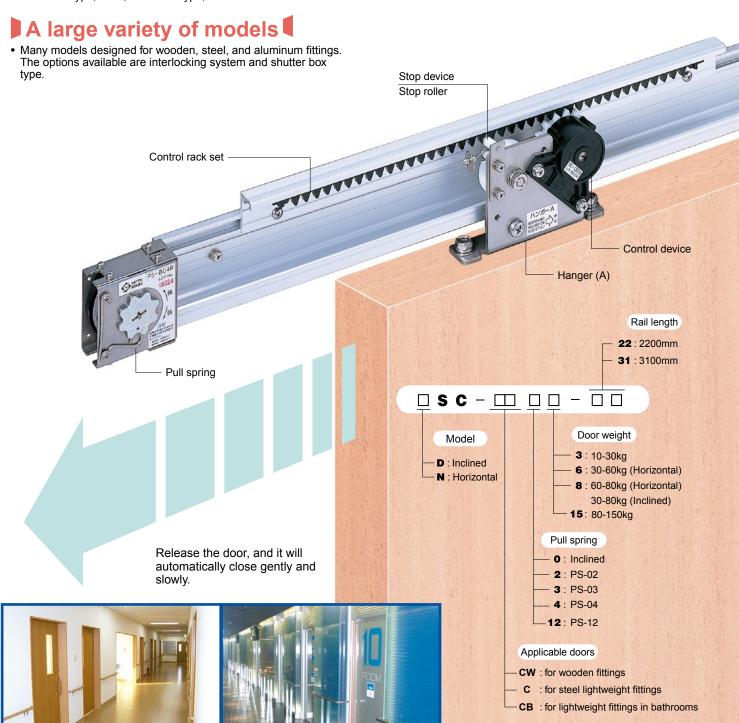
Initial door-opening force at a door weight of 40kg DSC-C08 type, 6.7N; NSC-C36 type, 5.7N

Easy to install

 The only modifications made on the frame are the making of railmounting holes. All parts can be installed on the rail with a screwdriver. The product is therefore easy to install.

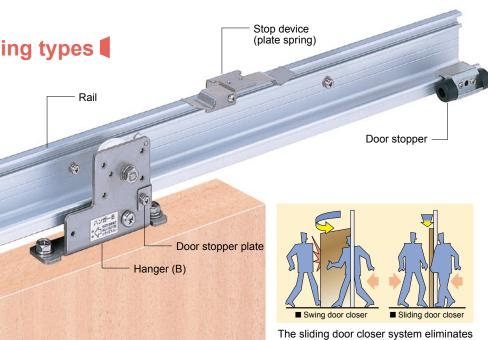
Both for right- and left-handed open

• The product can be converted between the right- and left-handed opening types by a simple operation.



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ned) and **NSC-C** d Simplicity"



dead space and ensures high safety.

■ Application

Wooden fittings, inclined DSC-CW series

Applicable door	Model	Door weight (kg)	Applicable door width (mm)
Wooden	DSC-CW03	10-30	700-1600
doors	DSC-CW08	30-80	700-1000

Wooden fittings, horizontal NSC-CW series

	Applicable door	Model	Door weight (kg)	Applicable door width (mm)
	Applicable dool	Model	Door weight (kg)	Applicable door width (min)
Wooden doors	NSC-CW23	10-30		
	NSC-CW36	30-60	700-1600	
	NSC-CW48	60-80		

Steel lightweight fittings, inclined DSC-C series

	Applicable door	Model	Door weight (kg)	Applicable door width (mm)
Steel doors	DSC-C03	10-30		
	DSC-C08	30-80	700-1600	
	DSC-C015	80-150		

Steel lightweight fittings, horizontal NSC-C series

Applicable door	Model	Door weight (kg)	Applicable door width (mm)	
	NSC-C23	10-30		
Steel doors	NSC-C36	30-60	700 1600	
	NSC-C48	60-80	700-1600	
	NSC-C1215	80-150		
Total Control of the			•	

Lightweight fittings in bathrooms, horizontal type for bathrooms NSC-CB series

Applicable door	Model	Door weight (kg)	Applicable door width (mm)
Steel light- weight doors Aluminum doors	NSC-CB23	10-30	
	NSC-CB36	30-60	700-1600
	NSC-CB48	60-80	

Application

Wooden fittings

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For lightweight fittings in bathrooms, horizontal type for bathrooms with door weights of 10-30kg, 30-60kg and 60-80kg

NSC-CB23-36-48 series

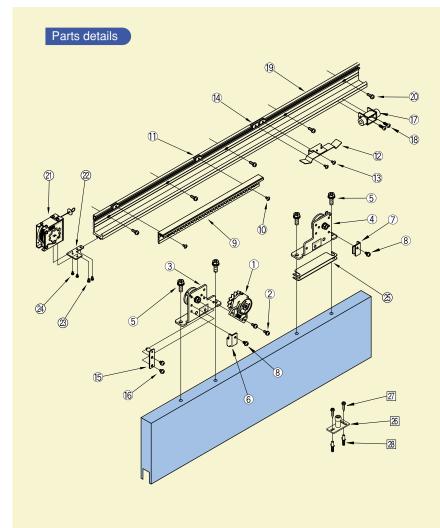
The use of stainless steel and a unique sealing technology has created corrosionresistant, long-life products.

Features

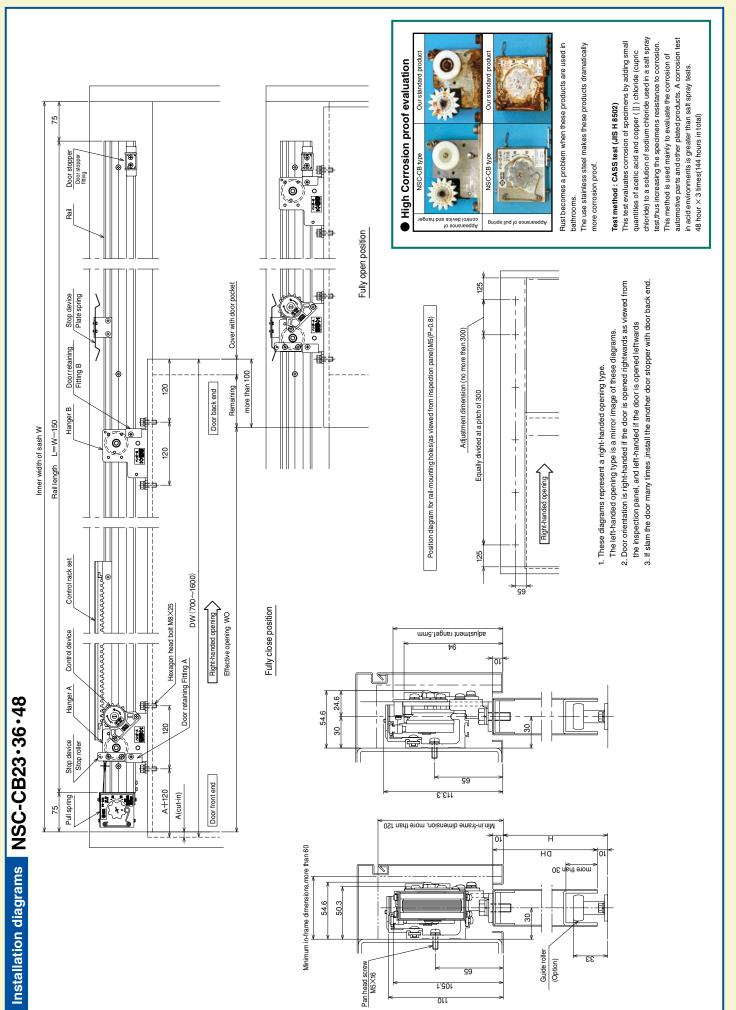
- These products can be used for long periods even in bathrooms and other hot corrosive environments. (They cannot be used in sauna rooms or other very hot environments.)
- The rotary part of the door roller is so designed as to be independent of dust or moisture, thus ensuring high corrosion-resistance and long stability.
- These products apply to doors weighing 10-80kg with openings not exceeding 1,500mm.
 The control device consists of a controlling-force centrifuge structure based on fluid friction resistance, thus ensuring high reliability.
- These products use a pull spring giving excellent performance and high durability (1 million operations) to close the door securely with a light force.

Specifications

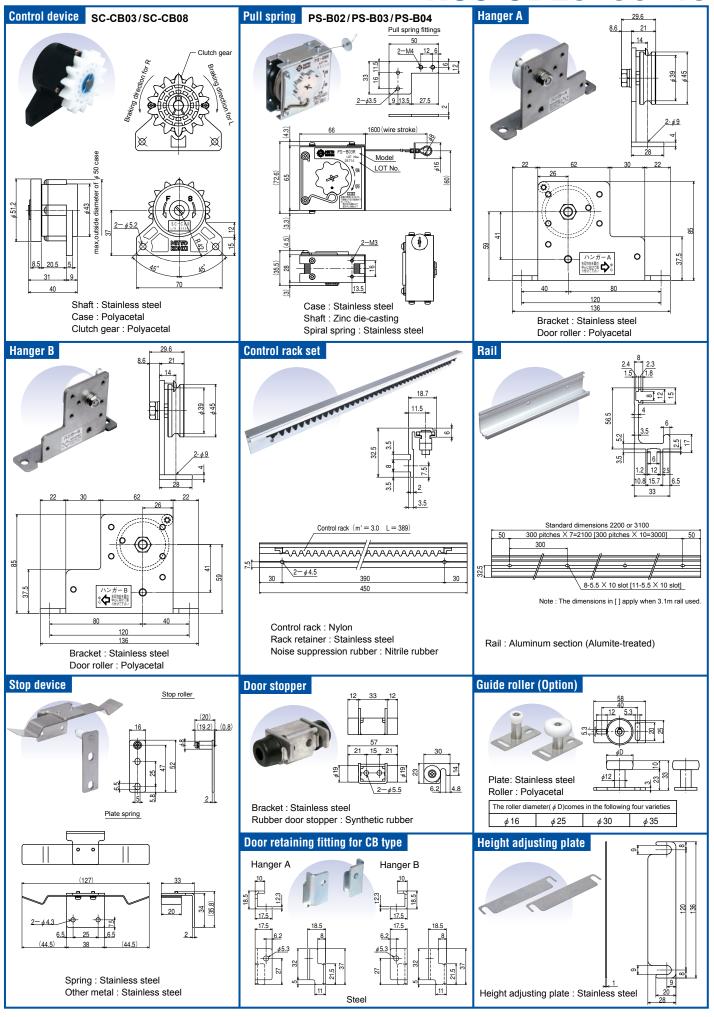
Мо	odel	NSC-CB23-22/NSC-CB23-22-31		NSC-CB36-22/NSC-CB36-31		NSC-CB48-22/NSC-CB48-31				
Applicable	Weight [kg]	10-30			30-60		60-80			
doors	Width [mm]	700-1200	1200-1400	1400-1600	700-1200	1200-1400	1400-1600	700-1200	1200-1400	1400-1600
Max. stroke	e [mm]	1500								
Closing driv	ve system	Spiral spring type								
Controlling	system	Fluid friction resistance type								
Controlling	time		8-15 seconds (with a door-opening distance of 900mm)							
Initial openi	ing force [N]	3.5-4.6 4.7-6.9 7.0-8.0								
Durability		More than 1 million open/close operations								
Pull spring		PS-B02			PS-B03		PS-B04			
Rail length	[m]	2.2	2.8	3.4	2.2	2.8	3.4	2.2	2.8	3.4



Part	No.	Remark	Q'ty
Control device	1	SC-CB03/SC-CB08	1
Control device	2	M5×12 pan head screw	2
	3	Hanger A	1
Hanger	4	Hanger B	1
	5	M8×25 hexagon head bolt	4
	6	Door retention fiting Hanger A	1
Door retention	7	Door retention fiting Hanger B	1
	8	Pan head screw M5 \times 8	2
	9	Control rack set	1
Control rack set	10	M4×8 truss screw	2
	11	Plate nut	2
	12	Plate spring	1
	13	M4×8 truss screw	2
Stop device	14)	Plate nut	2
	15	Stop roller	1
	16	M5×8 pan head screw	2
Descriptions	17)	Door stopper fitting	1
Door stopper	18	φ5×16 pan head tapping screw	2
	19	Rail L=2200 [L=3100]	
Rail	20	M5×16 pan head screw	8[11]
	20	5×30 truss tapping screw	8[11]
	21)	Pull spring	1
Dull andrew	2	Pull spring fitting	1
Pull spring	23	M4×5 pan head screw	2
	24	M3×8 pan head screw	2
Height adjusting plate	(25)	(T=1.0)	
·	26	Guide roller	1
Guide roller	27	5×25 hexagon tapping screw	2
(Option)	(21)	M5×12 hexagon head bolt	2
	28	Curl plug 6×30	2



NSC-CB23 · 36 · 48



Sliding Closer

Q&A on Troubleshooting

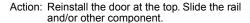


component contact the top cover or door pocket.

Frame or detach

Action: Check the contact, then either reposition the hanger and/or guide roller in a different position or detach it and reinstall it in another position.

A: The guide roller contacts the top surface of the guide rail at the bottom of the door.





A: The door is not installed vertically.

Action: Reinstall the hanger or guide roller in another position.



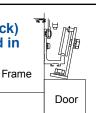
A: The door rollers of the hanger and the rail runway are scratched and dirty.

Action: Clean or replace the door rollers of the hanger and the rail.



A: The door rollers (front and back) of the hanger are not installed in parallel with the rail.

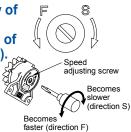
Action: Reinstall them in different positions to make them parallel.



A: The speed adjusting screw of the control device is overturned in the direction of slow (direction S indicated).

(An excessive controlling force is applied.)

Action: Turn the speed adjusting screw counterclockwise (direction F indicated) to adjust the speed.



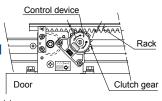
A: The pull spring is unadjusted (a horizontal type).



Strong / Weak

Right-handed opening type Left-handed opening type Action: Adjust the spring force.

A: The clutch gear of the control device is too strongly engaged with the control rack of the rail.

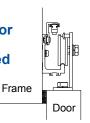


Action: Reinstall the hanger or guide roller at different positions.

Q: The door does not close fully or will not close stably.

A: The airtight rubber, mohair, or other material between the door and frame gets into contact, resulting in resistance imposed to the closing of the door.

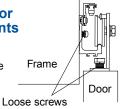
Action: Alleviate the contact.
Example: Cut the rubber or take another appropriate action.



Q: The door rattles.

A: Check that the screws for mounting the components remain tight enough.

Action: Further tighten or retighten the mounting screws.



Precautions for preventing accidents

- Do not use the product for unspecified door dimensions or door weight.
- If the control device of the product becomes ineffective, the door will close vigorously, possibly catching one of your fingers or getting into contact or turning over. Should an oil leak occur, component damage or incidents will result in ineffective control, despite speed adjustment, replace the product promptly.
- Do not disassemble or remodel the product. Should you do so, we will not guarantee the subsequent performance of the product.
- Securely tighten the screws that mount the product. Failure to observe this precaution may cause product damage or accident.
- Be sure to install the door-retaining screws. Failure to observe this instruction may derail or turn the door over
- 6. Be sure to install the door stopper on the door back end.
- Do not drop or strike any of the components. Failure to follow this precaution may cause a breakdown.
- The closer incorporated in the product causes the door to close on its own. Therefore do not close the door fast with force. Any such practice may cause the door to close vigorously, resulting in an unexpected accident.
- 9. Take care not to let a child play by hanging on the
- 10. In case of rough operation, Be sure to install door stoper on the floor or door back end.

Precautions to be taken to ensure a long service life

- 1. Wipe off dust and dirt from the rail and door rollers.
- Conduct periodic checks for loose screws and other anomalies.

User-friendly technology NITTO AUTO HINGES

OTHER RELATED PRODUCTS

FLAG TYPE 0

0

0

0

0

0

- 0 0 0 10
- Armless closer making a boast of Nitto Kohki, being easily installed on an arch door, etc.
 - Various models according to types and sizes of doors (wooden, aluminum, lightweight steel, steel doors) are available form us.



- Dripproof design
- Adopts an actuator with unique temperature sensor, thus assuring constant closing speed all the year



- special sealing and stainless steel.
- ■A much wider range of uses including bathrooms and seashores.

CENTER HANG TYPE

- Most suitable for fire protection, open smoke ventilation and normally-opened / closed doors and air supply doors.
- Concealed type (door built-in type.)



CONCEALED



- ■2 way closing speed.
- Door built-in type.



CREATE

- Projecting type door closer Automatically closes a door with quiet in combined use of a capsule with built-in spring and hydraulic device and a special pivot hinge.
- ■Simple design Provided with arm-free construction, presenting simple design and beauty fit for any door.



Safety precautions

- To avoid personal injury and other accidents, thoroughly read the precautions set forth in the "Instruction Manual" or "Catalog" and properly complete the installation and adjustment procedures before use.
- Ensure that the door closing speed is properly adjusted at all times. If it is too high, personal injury may result.

Driving Inventive Technologies Too Open Up Tomorrows



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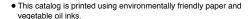
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