

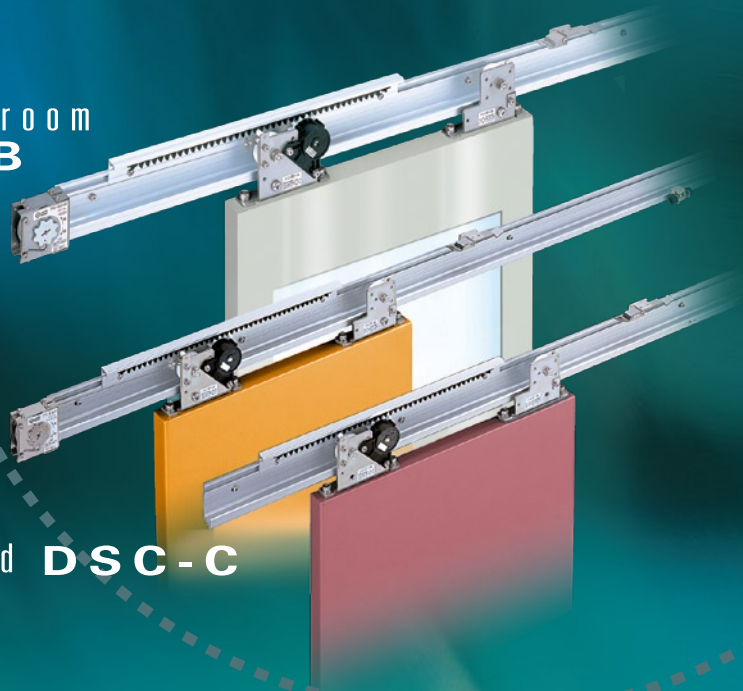
New-generation sliding door closers developed with user-friendly technologies.

NITTO KOHKI Sliding Closer

Horizontal For bathroom
NSC-CB

Horizontal **NSC-C**

Inclined **DSC-C**



We propose a new style of door opening/closing.



For wooden fittings, inclined,
with door weights of 10-30kg

DSC-CW03 series

Reliable, Cost Effective, Sliding Doors Closers – Simple to Use & Install

Features

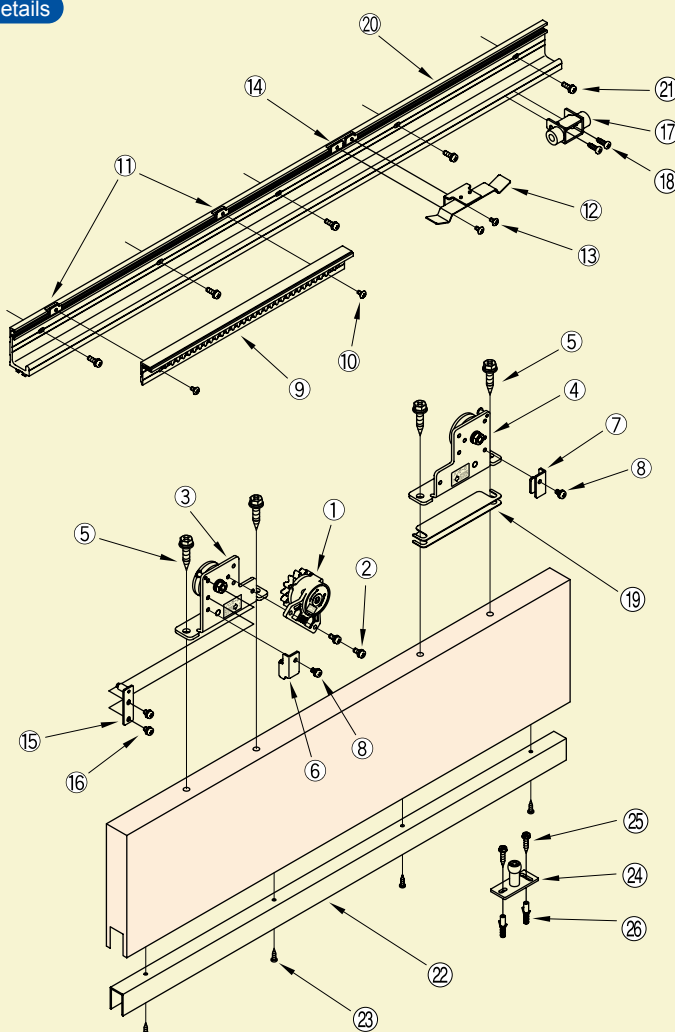
- A standardized set of parts required for inclined wooden fitting types.
(The product comes standard with a guide rail, guide roller, stop device, and other equipment.)
- Coach screws allow the hanger to be attached directly to the door.
- An endless fluid friction resistance system ensures a long life.
- The product can be converted to the right- and left-handed opening types by simple operation.
- It is easy to install with a screwdriver.

Specifications

Model	DSC-CW03-22	DSC-CW03-31
Applicable doors	Weight [kg]	10-30
	Width [mm]	700-1200
		1200-1600
Max. stroke [mm]	1500	
Closing drive system	Rail inclination (3.5/300)	
Controlling system	Fluid friction resistance type	
Controlling time	7-11 seconds (with a door-opening distance of 900mm)	
Initial opening force [N]	2.3-5.4	
Durability	More than 1 million open/close operations	
Rail length [m]	2.2	3.1



Part details



No.	Part	Q'ty	Remark
①	Control device	1	For control device
②	M5 × 12 pan head screw	2	
③	Hanger A	1	For hanger
④	Hanger B	1	
⑤	φ8 × 50 coach screw	4	Door retention
⑥	Door retention fitting Hanger A	1	
⑦	Door retention fitting Hanger B	1	For control rack set
⑧	Pan head screw M5 × 8	2	
⑨	Control rack set	1	For stop device
⑩	M4 × 8 truss screw	2	
⑪	Plate nut	2	For door stopper
⑫	Plate spring	1	
⑬	M4 × 8 truss screw	2	For guide rail
⑭	Plate nut	2	
⑮	Stop roller	1	For guide roller
⑯	M5 × 8 pan head screw	2	
⑰	Door stopper fitting	1	For rail
⑱	φ5×16 pan head tapping screw	2	
⑲	Height adjusting plate (t = 1.0, 0.5)	15+1	For guide rail
⑳	Rail L = 2200 [L = 3100]	1	
㉑	M5 × 16 pan head screw	8[11]	For guide roller
㉒	φ5 × 30 truss tapping screw	8[11]	
㉓	Guide rail L = 1300 [L = 1600]**	1	For guide roller
㉔	φ4 × 16 pan head tapping screw	5[6]	
㉕	Guide roller φ16	1	For guide roller
㉖	φ5 × 25 Hexagon tapping screw	2	
㉗	M5 × 12 Hexagon screw	2	For guide roller
㉘	Curl plug	2	

※ Guide rail : Rail 2.2m Guide rail 1.3m
Rail 3.1m Guide rail 1.6m

For wooden fittings, inclined,
with door weights of 30-80kg

DSC-CW08series

Reliable, Cost Effective, Sliding Doors Closers – Simple to Use & Install

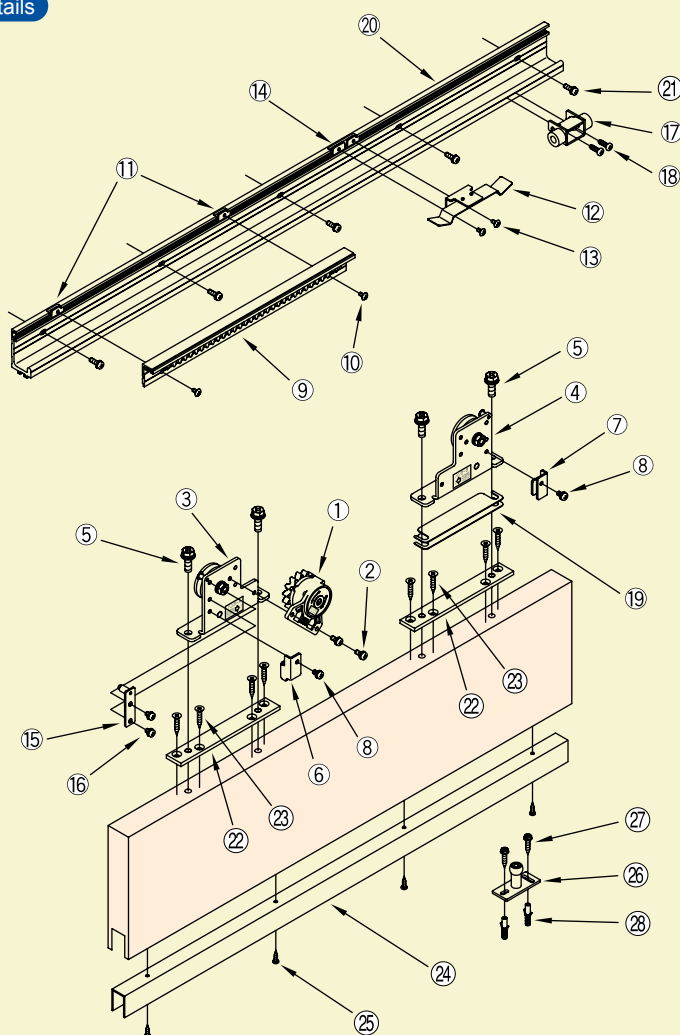
Features

- A standardized set of parts required for inclined wooden fitting types.
(The product comes standard with a guide rail, guide roller, stop device, and other equipment.)
- An endless fluid friction resistance system ensures a long life.
- The product can be converted to the right- and left-handed opening types by simple operation.
- It is easy to install with a screwdriver.

Specifications

Model	DSC-CW08-22	DSC-CW08-31
Applicable doors	Weight [kg]	30-80
	Width [mm]	700-1200
		1200-1600
Max. stroke [mm]	1500	
Closing drive system	Rail inclination (3.5/300)	
Controlling system	Fluid friction resistance type	
Controlling time	7-11 seconds (with a door-opening distance of 900mm)	
Initial opening force [N]	5.4-12.5	
Durability	More than 1 million open/close operations	
Rail length [m]	2.2	3.1

Part details



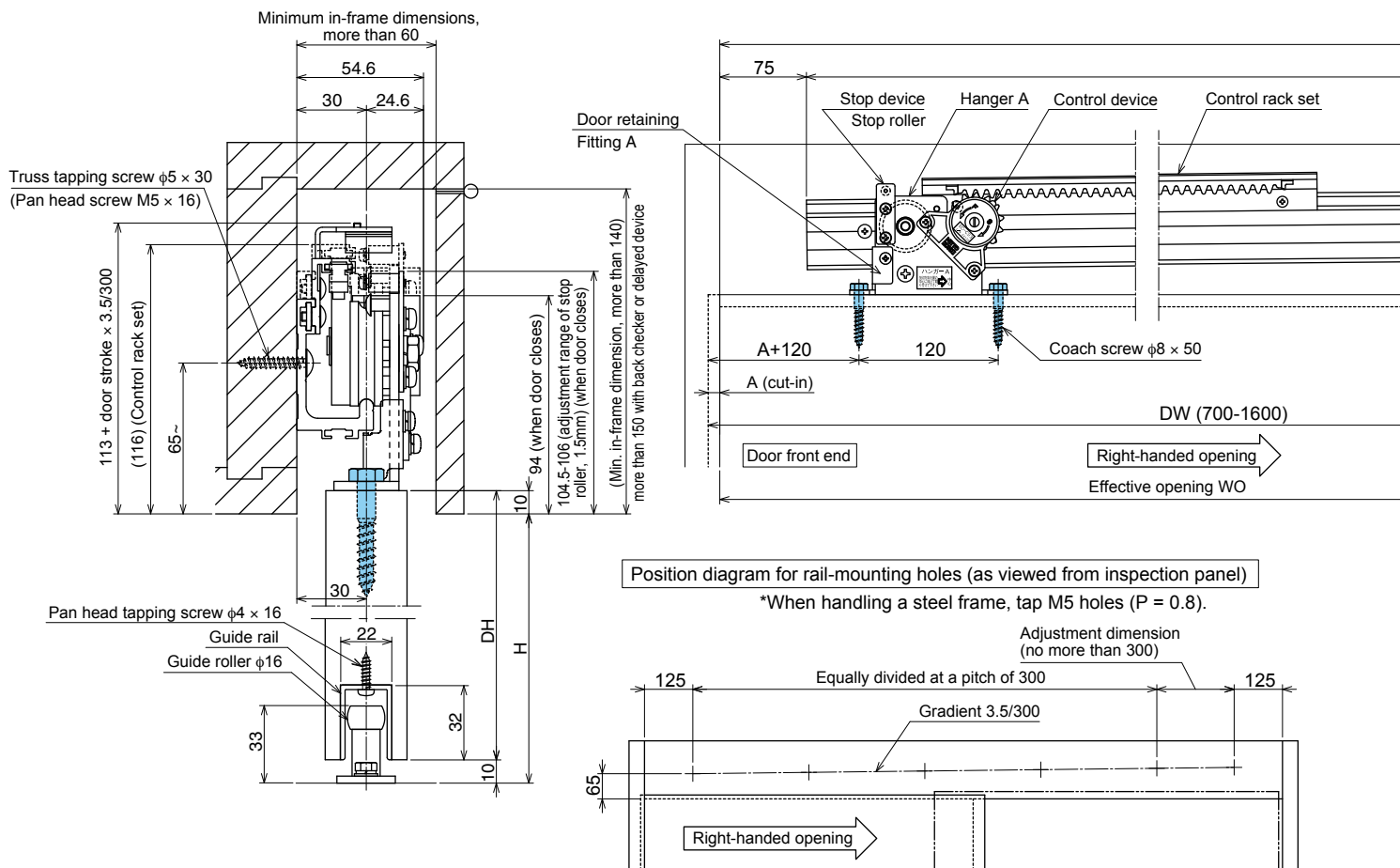
No.	Part	Q'ty	Remark
①	Control device	1	For control device
②	M5 × 12 pan head screw	2	
③	Hanger A	1	For hanger
④	Hanger B	1	
⑤	M8 × 25 hexagon head bolt	2	
	M8 × 30 hexagon head bolt	2	Door retention
⑥	Door retention fitting Hanger A	1	
⑦	Door retention fitting Hanger B	1	
⑧	Pan head screw M5 × 8	2	For control rack set
⑨	Control rack set	1	
⑩	M4 × 8 truss screw	2	
⑪	Plate nut	2	For stop device
⑫	Plate spring	1	
⑬	M4 × 8 truss screw	2	
⑭	Plate nut	2	For door stopper
⑮	Stop roller	1	
⑯	M5 × 8 pan head screw	2	
⑰	Door stopper fitting	1	
⑱	Height adjusting plate (t = 1.0, 0.5)	15+1	
⑲	Height adjusting plate (t = 1.0, 0.5)	15+1	
⑳	Rail L = 2200 [L = 3100]	1	For rail
㉑	M5 × 16 pan head screw	8[11]	
	φ5 × 30 truss tapping screw	8[11]	
㉒	Wooden door plate	2	For wooden door plate
㉓	φ5 × 30 flat head tapping screw	8	
㉔	Guide rail L = 1300 [L = 1600]※	1	
㉕	φ4 × 16 pan head tapping screw	5[6]	For guide rail
㉖	Guide roller φ16	1	
㉗	φ5 × 25 Hexagon tapping screw	2	
	M5 × 12 Hexagon screw	2	For guide roller
㉘	Curl plug	2	

※ Guide rail : Rail 2.2m Guide rail 1.3m
Rail 3.1m Guide rail 1.6m



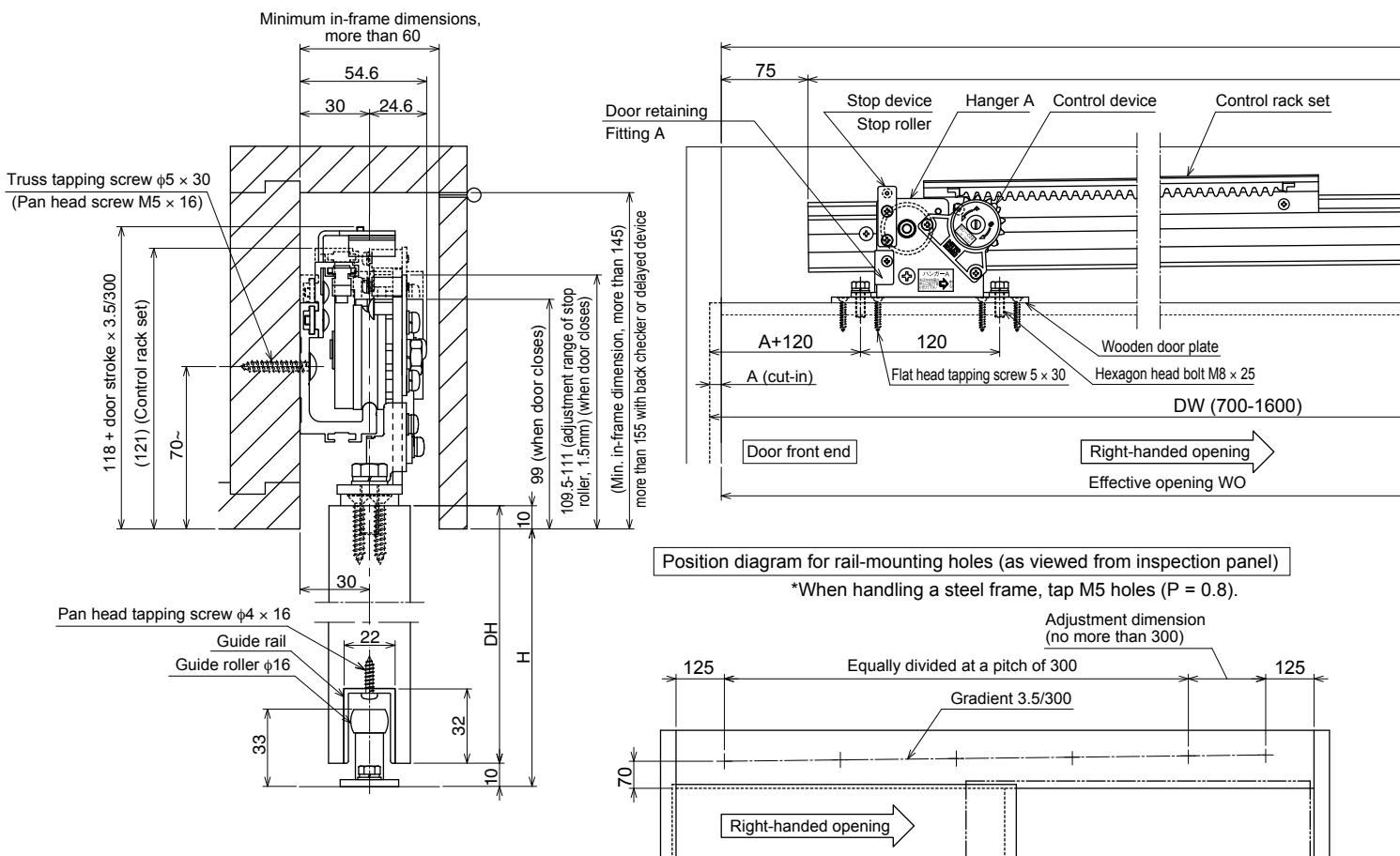
Installation diagrams

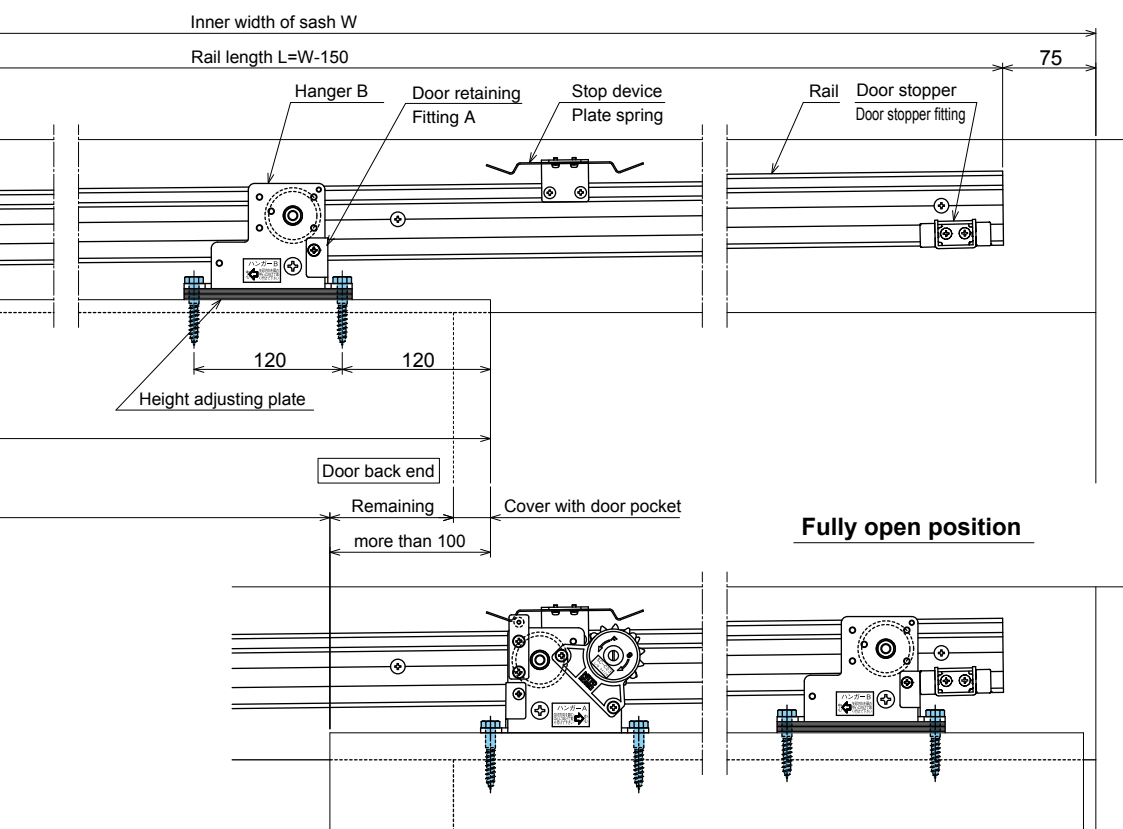
DSC-CW03



Installation diagrams

DSC-CW08

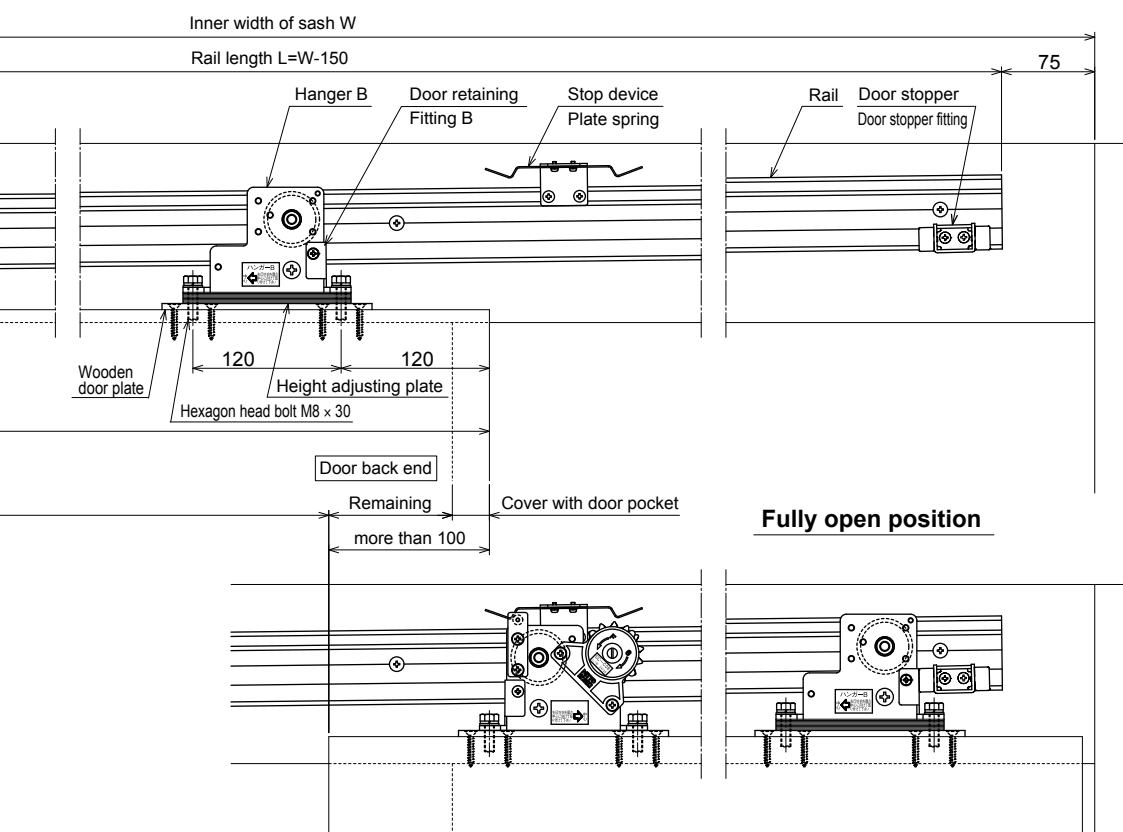




Number of height adjusting plates (reference)

Door width [mm]	No. of plates used
700-800 or less	6 pcs.
800-900 or less	7 pcs.
900-1000 or less	8 pcs.
1000-1100 or less	9 pcs.
1100-1200 or less	10 pcs.
1200-1300 or less	12 pcs.
1300-1400 or less	13 pcs.
1400-1500 or less	14 pcs.
1500-1600 or less	15 pcs.

1. These diagrams represent a right-handed opening type.
The left-handed opening type is a mirror image of these diagrams.
2. Door orientation is right-handed if the door is opened rightwards as viewed from the inspection panel, and left-handed if the door is opened leftwards.
3. The hanger is installed directly with coach screws.



Number of height adjusting plates (reference)

Door width [mm]	No. of plates used
700-800 or less	6 pcs.
800-900 or less	7 pcs.
900-1000 or less	8 pcs.
1000-1100 or less	9 pcs.
1100-1200 or less	10 pcs.
1200-1300 or less	12 pcs.
1300-1400 or less	13 pcs.
1400-1500 or less	14 pcs.
1500-1600 or less	15 pcs.

1. These diagrams represent a right-handed opening type.
The left-handed opening type is a mirror image of these diagrams.
2. Door orientation is right-handed if the door is opened rightwards as viewed from the inspection panel, and left-handed if the door is opened leftwards.

For steel lightweight fittings, inclined,
with door weights of 10-30kg and 30-80kg

DSC-C03·08 series

Reliable, Cost Effective, Sliding Doors Closers – Simple to Use & Install

Features

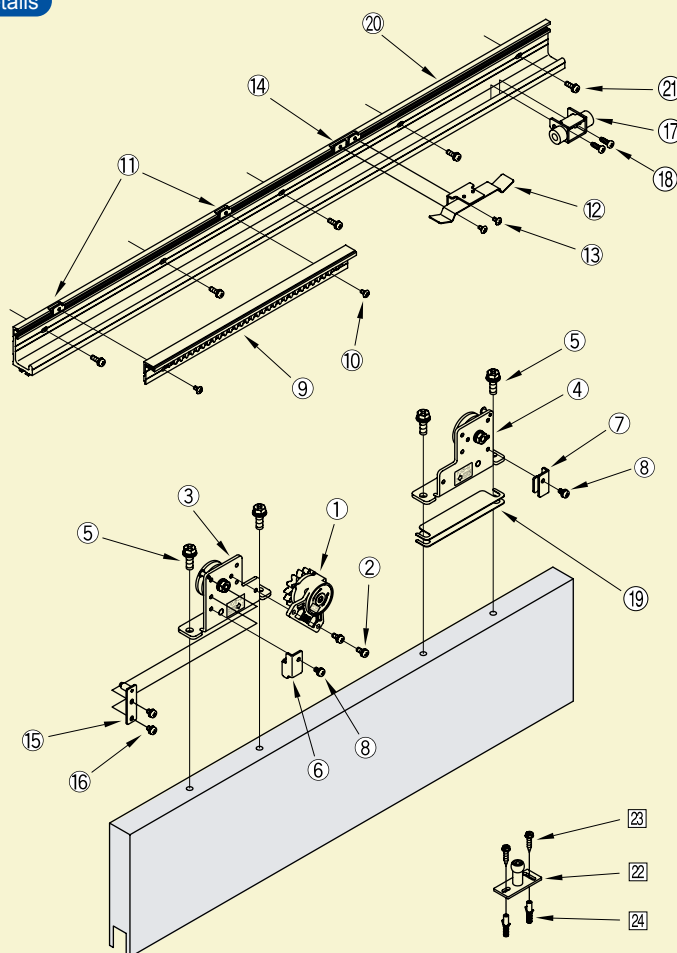
- A standardized set of parts required for inclined steel lightweight fitting types.
(The product comes standard with stop device, and other equipment.)
- An endless fluid friction resistance system ensures a long life.
- The product can be converted to the right- and left-handed opening types by simple operation.
- It is easy to install with a screwdriver.

Specifications

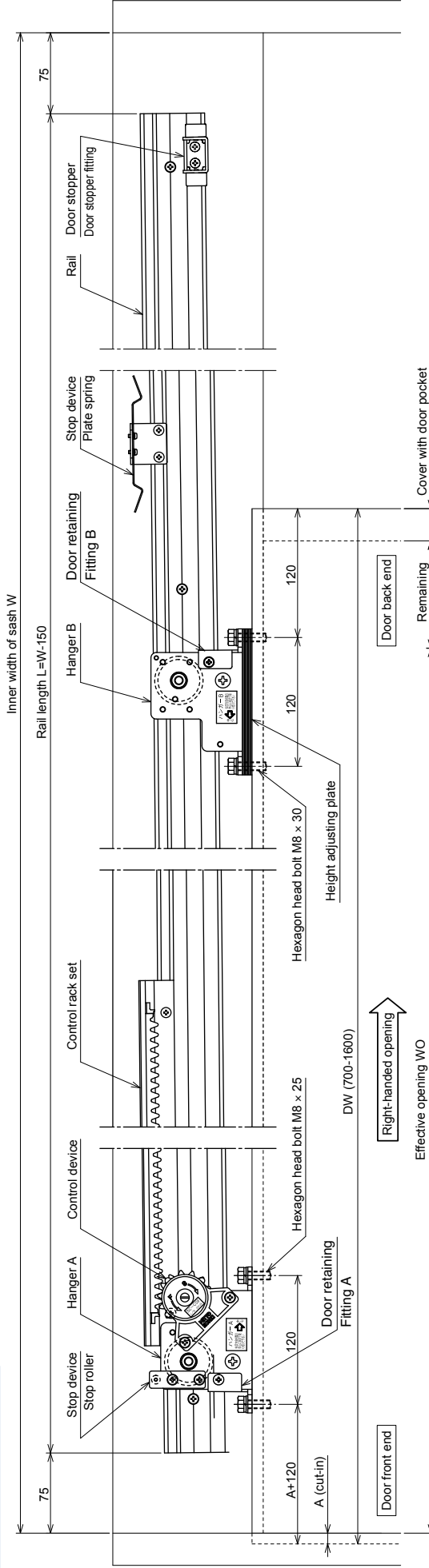
Model		DSC-C03-22	DSC-C03-31	DSC-C08-22	DSC-C08-31
Applicable doors	Weight [kg]	10-30		30-80	
	Width [mm]	700-1200	1200-1600	700-1200	1200-1600
Max. stroke [mm]		1500			
Closing drive system		Rail inclination (3.5/300)			
Controlling system		Fluid friction resistance type			
Controlling time		7-11 seconds (with a door-opening distance of 900mm)			
Initial opening force [N]		2.3-5.4		5.4-12.5	
Durability		More than 1 million open/close operations			
Rail length [m]		2.2	3.1	2.2	3.1



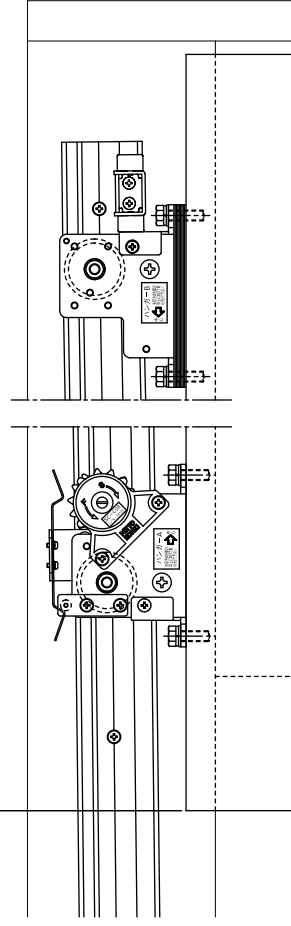
Part details



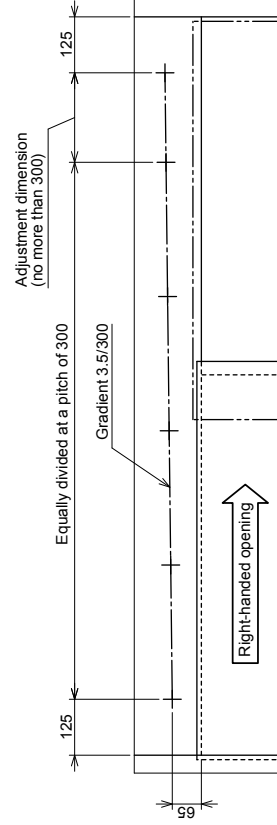
No.	Part	Q'ty	Remark
①	Control device	1	For control device
②	M5 × 12 pan head screw	2	
③	Hanger A	1	For hanger
④	Hanger B	1	
⑤	M8 × 25 hexagon head bolt M8 × 30 hexagon head bolt	2 2	
⑥	Door retention fitting Hanger A	1	Door retention
⑦	Door retention fitting Hanger B	1	
⑧	Pan head screw M5 × 8	2	For control rack set
⑨	Control rack set	1	
⑩	M4 × 8 truss screw	2	For stop device
⑪	Plate nut	2	
⑫	Plate spring	1	
⑬	M4 × 8 truss screw	2	For door stopper
⑭	Plate nut	2	
⑮	Stop roller	1	
⑯	M5 × 8 pan head screw	2	For guide roller Option
⑰	Door stopper fitting	1	
⑱	φ5×16 pan head tapping screw	2	For guide roller Option
⑲	Height adjusting plate (t = 1.0, 0.5)	15+1	
⑳	Rail L = 2200 [L = 3100]	1	For rail
㉑	M5 × 16 truss screw φ5 × 30 truss tapping screw	8[11] 8[11]	
㉒	Guide roller	1	For guide roller Option
㉓	φ5 × 25 Hexagon tapping screw M5 × 12 Hexagon screw	2 2	
㉔	Curl plug	2	



Fully open position

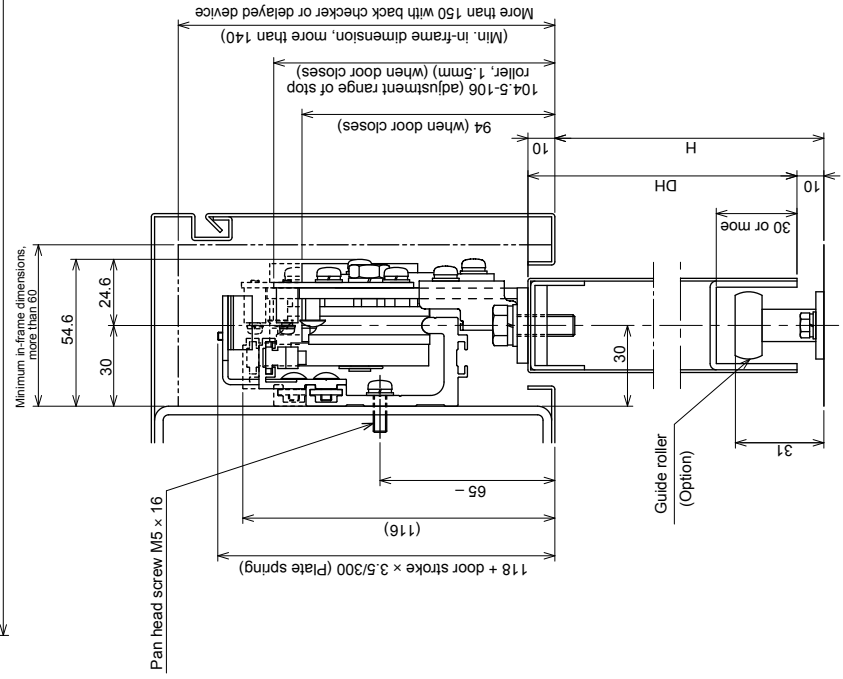


Position diagram for rail-mounting holes (as viewed from inspection panel) M5 (P=0.8)



Number of height adjusting plates (reference)

Door width [mm]	No. of plates used
700-800 or less	6 pcs.
800-900 or less	7 pcs.
900-1000 or less	8 pcs.
1000-1100 or less	9 pcs.
1100-1200 or less	10 pcs.
1200-1300 or less	12 pcs.
1300-1400 or less	13 pcs.
1400-1500 or less	14 pcs.
1500-1600 or less	15 pcs.



1. These diagrams represent a right-handed opening type.
The left-handed opening type is a mirror image of these diagrams.
2. Door orientation is right-handed if the door is opened rightwards as viewed from the inspection panel, and left-handed if the door is opened leftwards.

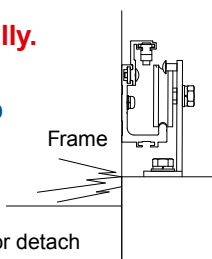
Sliding Closer

Q&A on Troubleshooting

Q: The door does not close fully.

A: The door, hanger, or other component contact the top cover or door pocket.

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.

Action: Reinstall the door at the top. Slide the rail and/or other component.



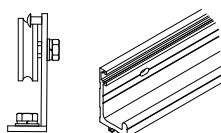
A: The door is not installed vertically.

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



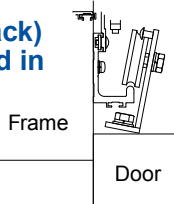
A: The door rollers of the hanger and the rail runway are scratched and dirty.

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



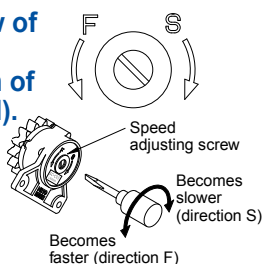
A: The door rollers (front and back) of the hanger are not installed in parallel with the rail.

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

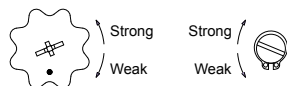


A: The speed adjusting screw of the control device is overturned in the direction of slow (direction S indicated). (An excessive controlling force is applied.)

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

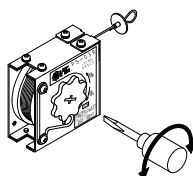


A: The pull spring is unadjusted (a horizontal type).



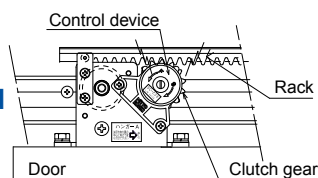
Right-handed opening type Left-handed opening type

Action: Adjust the spring force.



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

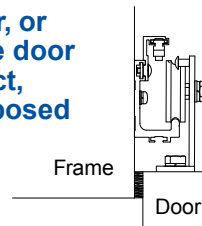
Action: Reinstall the hanger or guide roller at different positions.



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.

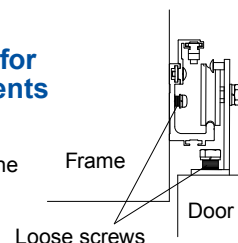
Action: Alleviate the contact.
Example: Cut the rubber or take another appropriate action.



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

1. Do not use the product for unspecified door dimensions or door weight.
2. 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.
3. Do not disassemble or remodel the product. Should you do so, we will not guarantee the subsequent performance of the product.
4. Securely tighten the screws that mount the product. Failure to observe this precaution may cause product damage or accident.
5. 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.
7. Do not drop or strike any of the components. Failure to follow this precaution may cause a breakdown.
8. 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 door.
10. In case of rough operation, Be sure to install door stopper 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.
2. Conduct periodic checks for loose screws and other anomalies.

OTHER RELATED PRODUCTS

FLAG TYPE



- 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 from us.

PC series

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



700 series

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



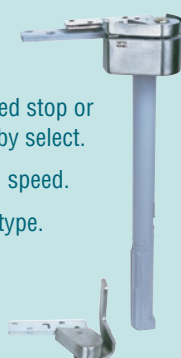
CENTER HANG TYPE

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



CONCEALED

- Can be selected stop or without stop by select.
- 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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