






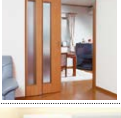






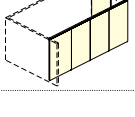







ARCHITECTURAL DOOR HARDWARE





SLIDING DOOR SYSTEMS

Picture	Item Name		Max. Door Weight (kg)	Page	
	FD30	SOFT-CLOSING DOOR SYSTEM	30	666 - 673	
	FD35EV	SOFT-CLOSING DOOR SYSTEM	35	665-1 - 665-16, 709	
	FD50	SOFT-CLOSING DOOR SYSTEM	50	665-17 - 665-18, 674 - 681	
	FD80	SOFT-CLOSING DOOR SYSTEM	80	682 - 687	
	FD80-AF	SOFT-CLOSING DOOR SYSTEM		80	688 - 691
	SRS	SELF-CLOSING DOOR SYSTEM	30	692	
	SRW	SELF-CLOSING DOOR SYSTEM	30	693	
	LM-80	SELF-CLOSING DOOR SYSTEM	80	694 - 695	
	LM-80G	SELF-CLOSING DOOR SYSTEM		80	696 - 697
	FDPN40	STACKABLE PARTITION DOOR SYSTEM 	40	665-21 - 665-42	
	FDP40	PARTITION DOOR SYSTEM	40	699 - 705	
	FDP40L	PARTITION DOOR SYSTEM	40	708	
	FD30-MG	MAGNET BOTTOM GUIDE	40	706 - 707	
	FDS, FES, FMS	UNDER MOUNT DOOR ROLLER & RAIL	Load Capacity (kg) 100/2 pcs	698	
	AV	UNDER MOUNT DOOR ROLLER & RAIL	-	698	




SWING DOOR SYSTEMS

Picture	Item Name	Max. Door Weight (kg)	Page
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	SKD	30	712 - 713

LEVER HANDLES

Picture	Item Name	Page
	ZL-1101, 1102, 1103	714 - 715
	ZL-1601, 1702	716 - 717

DOOR DAMPERS

Picture	Item Name	Max. Door Weight (kg)	Page
	LDD-V	40	665-43, 718
	LDD-S	40	720 - 721
	LDC-N2	45	722 - 724

DOOR STOPPERS

Picture	Item Name	Page
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	ZL-1802	726
	ZL-1803	727
	HT-32	727
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	DJ-175	729
	KN-120	730
	CS	730

TOP MOUNTED SLIDING DOOR (TWO-WAY SOFT CLOSE TYPE/RECESSED UPPER ROLLER)



FD35EV

This two-way soft closing sliding door operates smoothly and requires little strength to operate, making it ideal for retail shops and other public areas as well.

Passed 300,000 open/ close cycles in private test

Features	Door Size (per door)	Adjustment
<p>Two-Way Soft Close (both directions)</p> <p>With Sequential Double Damper (2 stages)</p>	<p>Minimum 24 mm</p> <p>Maximum 2700 mm</p> <p>Weight: Maximum 35 kg 10 kg or more recommended</p> <p>Door Height Max.2400 mm : 590 - 1200 mm Door Height Max.2401 - 2700 mm : 700 - 1200 mm</p>	

2-Stage

Soft closing starts at approx. 100 mm for reliable operation

Soft opening With Sequential Double Damper in two stages enables less force to be used when opening too (compared to FD30).

1-Stage

Damper in the opening direction slows down from around 50 mm on trailing edge side.

Remarks

- Be sure to read the precautions for this product.
- Be sure to read the installation.

One-touch hanging of door

With Sequential Double Damper (Leading edge only)
(3) Two-Way Soft Close

Trigger Installation Jig (included with (3))

Built-in trigger Easy installation Only 20 mm wide compact design

(1) Soft Close Upper Track

(4) Retrofit Trigger

One-touch hanging of door

(5) Upper Roller (compatible with recessed type two-way soft close)

(6) Lower Guide (with Roller)

To shorten the upper track, cut the end without the trigger.

Standard part list

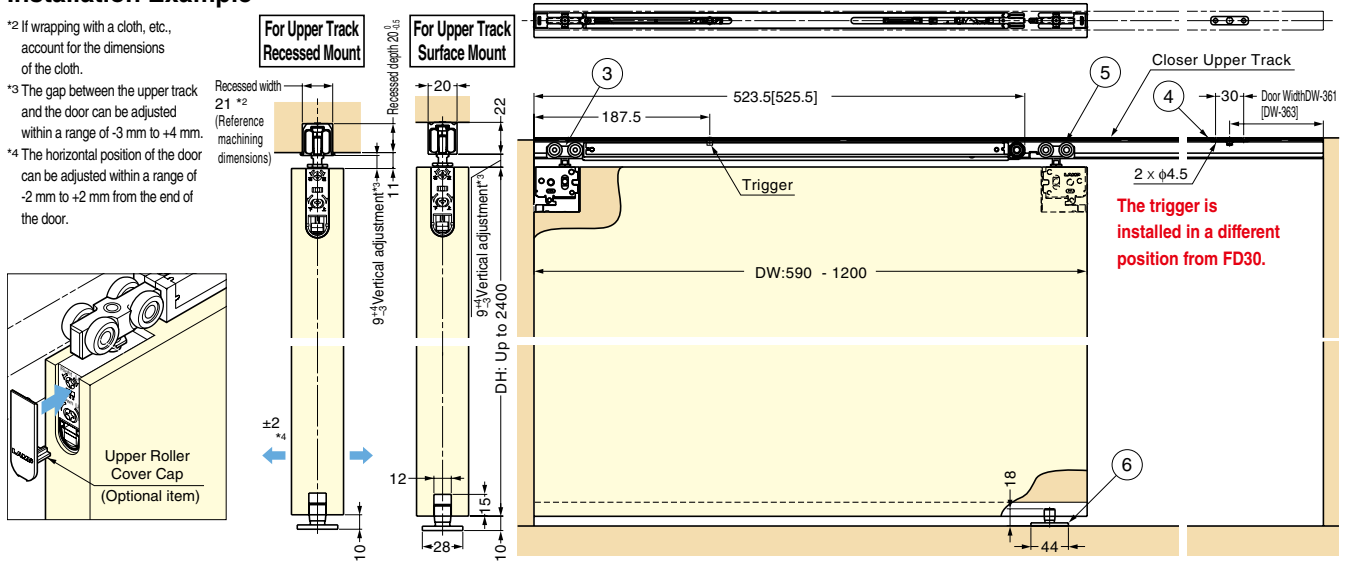
See «Type of Upper Track» for details on the type of upper track used for (1) and (2).

Parts	Necessary Parts (Option 1 or 2)				Necessary Parts				Optional Parts	
	(1) Soft Close Upper Track		(2) Upper Track	(3) Two-Way Soft Close*1	(4) Retrofit Trigger	(5) Upper Roller (compatible with recessed type two-way soft close)	(6) Lower Guide (with Roller)	(7) Bumper Block	(8) Retrofit Trigger	(9) Embedded Lower Guide Rail
	Surface Mount	Recessed Mount	Surface Mount	Recessed Mount						
<p>Item Code</p> <p>Item Name</p>	Select surface or recessed mount	Select surface or recessed mount	Select surface or recessed mount	250-033-810 FD35EV-WRH-DSC	Included with Two-Way Soft Close	250-033-812 FD35EV-WRH-N	250-029-718 FD50-BGR18	250-034-114 FD35EV-HBB	250-033-814 FD35EV-TRG	250-019-971 FD30-HBRT1500SIL
	<p>Length</p> <p>1820 mm</p> <p>x 1 pc</p>	-	-	1 pc	1 pc	1 pc	1 pc	-	-	(1 pc)
	<p>Length</p> <p>1820 mm</p> <p>x 2 pcs</p>	-	-	2 pcs	2 pcs	2 pcs	2 pcs	-	-	(2 pcs)
	-	<p>Length</p> <p>3640 mm</p> <p>x 1 pc</p>	-	2 pcs	2 pcs	2 pcs	2 pcs	1 pc	2 pcs	(2 pcs)

*1 Includes Retrofit Trigger (4), Trigger Installation Jig and spanner. Can also be purchased separately.

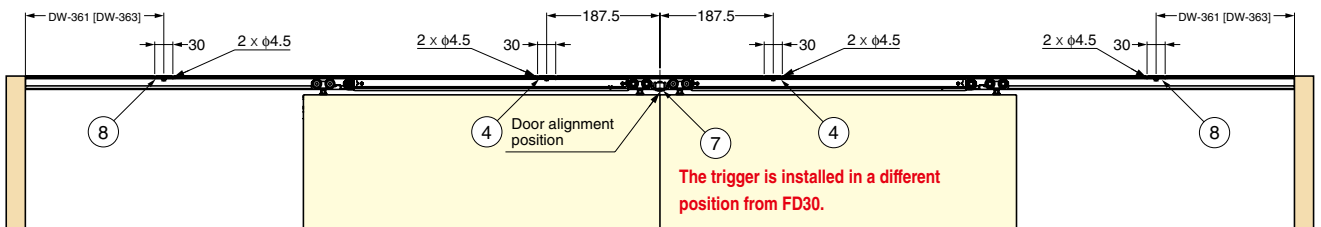
Installation Example

- *2 If wrapping with a cloth, etc., account for the dimensions of the cloth.
- *3 The gap between the upper track and the door can be adjusted within a range of -3 mm to +4 mm.
- *4 The horizontal position of the door can be adjusted within a range of -2 mm to +2 mm from the end of the door.



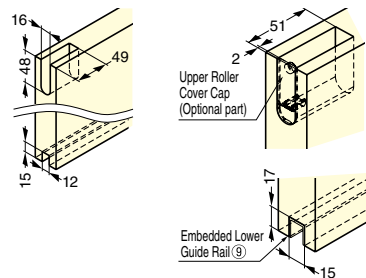
[] indicates the dimensions when the upper roller cover cap (optional) is attached.

Opposite Opening Sliding Doors System with Bumper Block. Also see the instructions on how to calculate the trigger installation position.

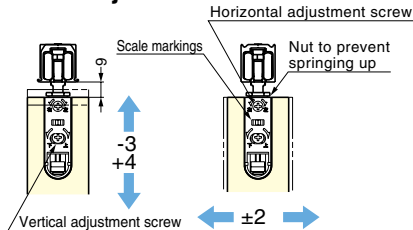


Use the standard upper track for the Opposite Opening Sliding Doors System.

Cut Out Dimensions

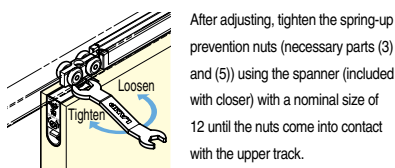


Door Adjustment


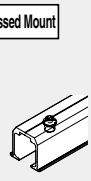
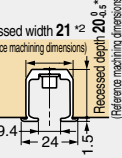


- Can be adjusted with one No. 2 screwdriver.
- Incremental markings are provided for horizontal adjustment from the end of the door.

Internal mechanism prevents bouncing during closing
Prevents the door from bouncing up after the soft close function has been activated.



Type of Upper Track Recommended screws: Cross-recessed flat head tapping screws 3.5 x 25

Specifications	Length	Silver		Amber		White			
		Item Code	Item Name	Item Code	Item Name	Item Code	Item Name		
(1) Soft Close Upper Track	Surface Mount	1820 mm	250-033-825	FD35EV-TRM1820SC-SL	250-033-828	FD35EV-TRM1820SC-UM	250-033-831	FD35EV-TRM1820SC-WT	
			2000 mm	250-035-935	FD35EV-TRM2000SC-SL	250-035-938	FD35EV-TRM2000SC-UM	-	
			2730 mm	250-033-826	FD35EV-TRM2730SC-SL	250-033-829	FD35EV-TRM2730SC-UM	250-033-832	FD35EV-TRM2730SC-WT
			3000 mm	250-035-936	FD35EV-TRM3000SC-SL	250-035-939	FD35EV-TRM3000SC-UM	-	
			3640 mm	250-033-827	FD35EV-TRM3640SC-SL	250-033-830	FD35EV-TRM3640SC-UM	250-033-833	FD35EV-TRM3640SC-WT
			4000 mm	250-035-937	FD35EV-TRM4000SC-SL	250-035-940	FD35EV-TRM4000SC-UM	-	
1820 mm		250-033-843	FD35EV-TRH1820SC-SL	250-033-846	FD35EV-TRH1820SC-UM	250-033-849	FD35EV-TRH1820SC-WT		
2000 mm		250-035-947	FD35EV-TRH2000SC-SL	250-035-950	FD35EV-TRH2000SC-UM	-			
	2730 mm	250-033-844	FD35EV-TRH2730SC-SL	250-033-847	FD35EV-TRH2730SC-UM	250-033-850	FD35EV-TRH2730SC-WT		
	3000 mm	250-035-948	FD35EV-TRH3000SC-SL	250-035-951	FD35EV-TRH3000SC-UM	-			
	3640 mm	250-033-845	FD35EV-TRH3640SC-SL	250-033-848	FD35EV-TRH3640SC-UM	250-033-851	FD35EV-TRH3640SC-WT		
	4000 mm	250-035-949	FD35EV-TRH4000SC-SL	250-035-952	FD35EV-TRH4000SC-UM	-			

TOP MOUNTED SLIDING DOOR (SINGLE SOFT CLOSE TYPE/RECESSED UPPER ROLLER)

INSTRUCTION

VIDEO

FD35EV

This single soft close sliding door operates smoothly and requires little strength to operate, making it ideal for retail shops and other public areas as well.

Passed 300,000 open/ close cycles in private test

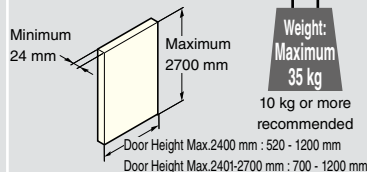
Features

Single Soft Close
(single direction)

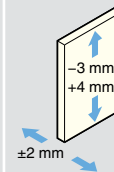
With Sequential Double Damper

(2 stages)

Door Size (per door)



Adjustment



2-Stage

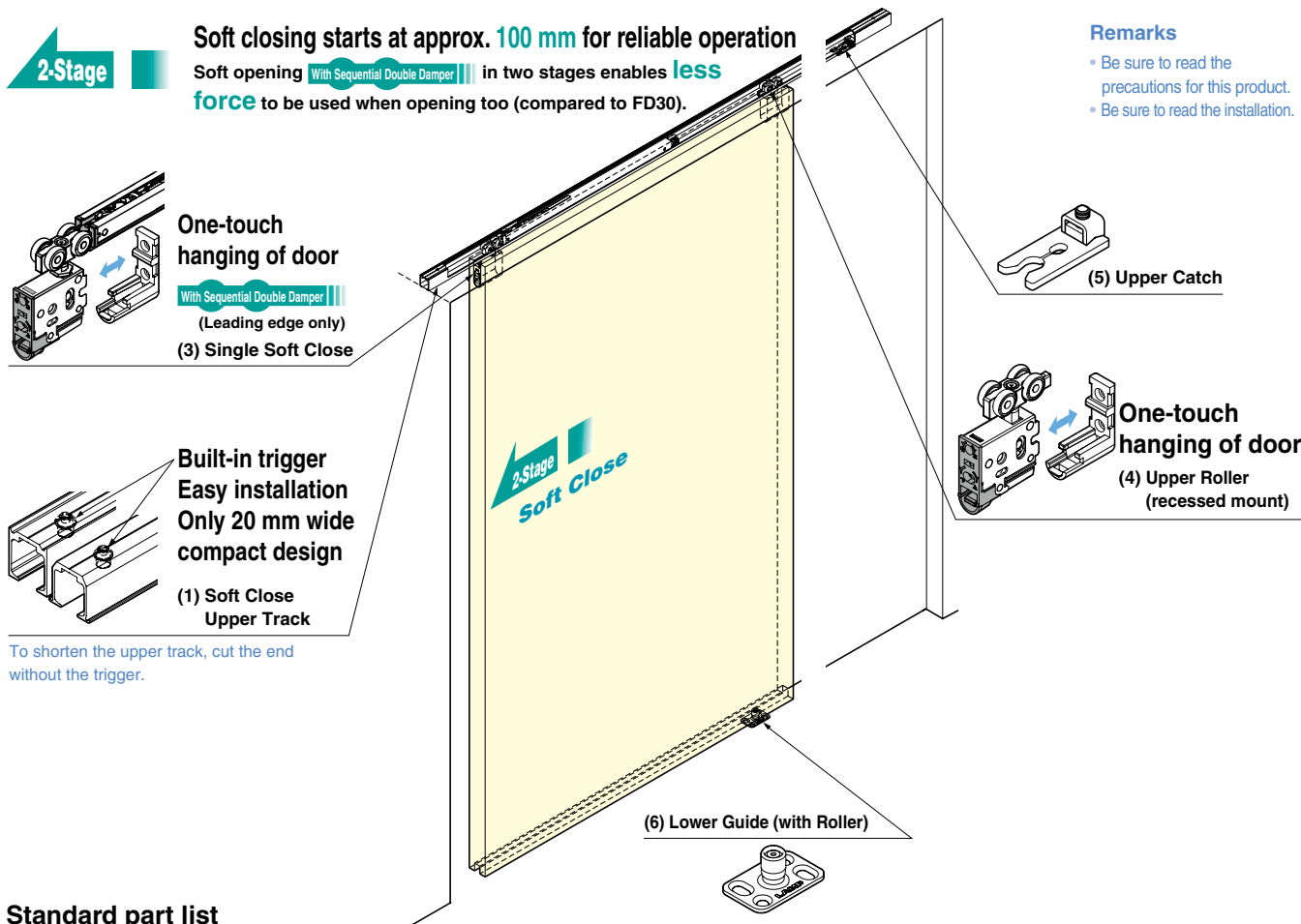
Soft closing starts at approx. 100 mm for reliable operation
Soft opening With Sequential Double Damper in two stages enables **less force** to be used when opening too (compared to FD30).

Remarks

- Be sure to read the precautions for this product.
- Be sure to read the installation.

ARCHITECTURAL DOOR HARDWARE

TOP MOUNTED SLIDING DOOR



Standard part list

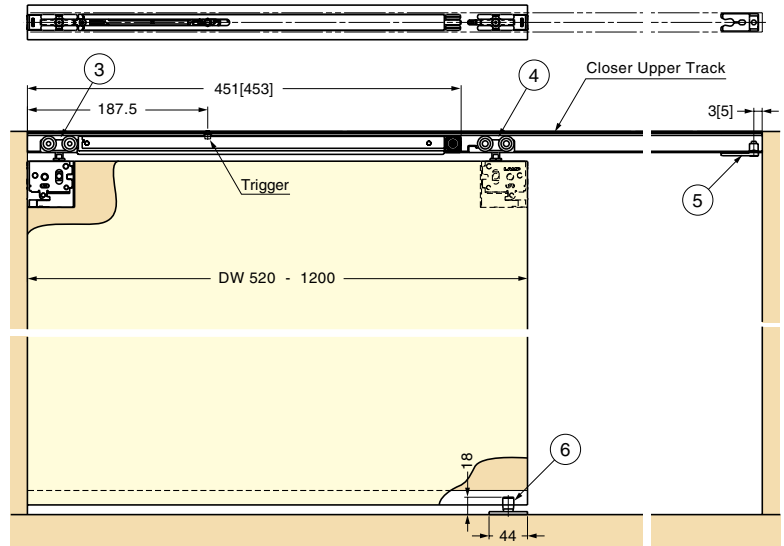
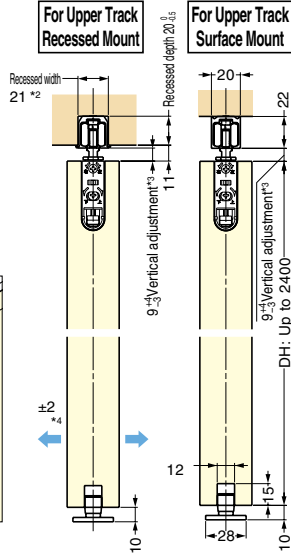
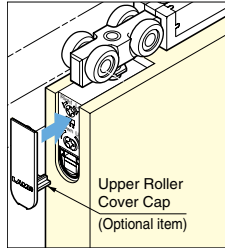
See "Type of Upper Track" for details on the type of upper track used for (1) and (2).

Parts	Necessary Parts (Option 1 or 2)				Necessary Parts					Optional Parts		
	(1) Soft Close Upper Track		(2) Upper Track		(3) Single Soft Close*1	(4) Upper Roller (recessed mount)	(5) Upper Catch	(6) Lower Guide (with Roller)	(7) Bumper Block	(8) Retrofit Trigger	(9) Trigger Installation Jig	(10) Embedded Lower Guide Rail
	Surface Mount	Recessed Mount	Surface Mount	Recessed Mount								
Item Code	Select surface or recessed mount		Select surface or recessed mount		250-033-811 FD35EV-WRH-SC	250-033-813 FD35EV-WRH	250-019-970 FD30-HTST-GR	250-029-718 FD50-BGR18	250-034-114 FD35EV-HBB	250-033-814 FD35EV-TRG	250-033-815 FD35EV-TRJ	250-019-971 FD30-HBRT1500SIL
Item Name	Select surface or recessed mount		Select surface or recessed mount				Set part is grey. White and dark brown are also available.					
Single Sliding Door System	Length 1820 mm		-		1 pc	1 pc	1 pc	1 pc	-	-	-	(1 pc)
	x 1 pc				Set of necessary parts for sliding doors Item Code: 250-035-322 Item Name: FD35EVHCP							
Overlapping Sliding Doors System	Length 1820 mm		-		2 pcs	2 pcs	2 pcs	2 pcs	-	-	-	(2 pcs)
	x 2 pcs				Set of necessary parts for sliding doors Item Code: 250-035-322 × 2 Item Name: FD35EVHCP							
Opposite Opening Sliding Doors System			Length 3640 mm		2 pcs	2 pcs	2 pcs	2 pcs	1 pc	2 pcs	1 pc	(2 pcs)
			x 1 pc		Set of necessary parts for sliding doors Item Code: 250-035-322 × 2 Item Name: FD35EVHCP							

*1 Includes spanner. Can also be purchased separately.

Installation Example

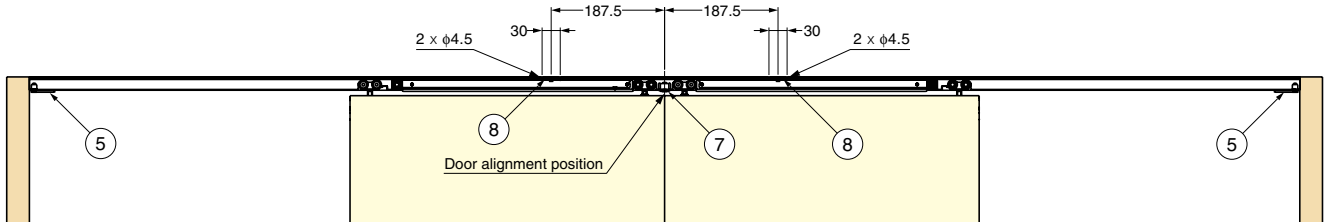
- *2 If wrapping with a cloth, etc., account for the dimensions of the cloth.
- *3 The gap between the upper track and the door can be adjusted within a range of -3 mm to +4 mm.
- *4 The horizontal position of the door can be adjusted within a range of -2 mm to +2 mm from the end of the door.



[] indicates the dimensions when the upper roller cover cap (optional) is attached.

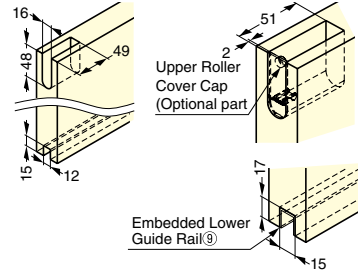
Opposite Opening Sliding Doors System with the Bumper Block

The trigger is installed in a different position from FD30.

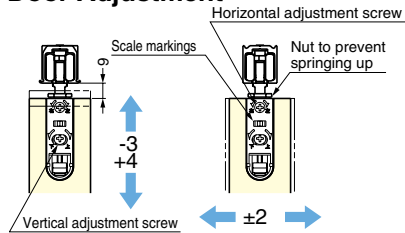


Use the standard upper track for the Opposite Opening Sliding Doors System.

Cut Out Dimensions



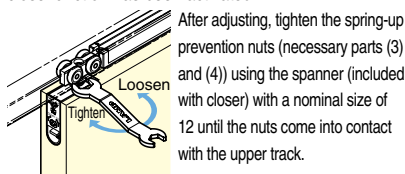
Door Adjustment



- Can be adjusted with one ⊕No. 2 screwdriver.
- Incremental markings are provided for horizontal adjustment from the end of the door.

Internal mechanism prevents bouncing during closing

Prevents the door from bouncing up after the soft close function has been activated.



Type of Upper Track

Recommended screws: Cross-recessed flat head tapping screws 3.5 x 25

Specifications	Length	Silver		Amber		White			
		Item Code	Item Name	Item Code	Item Name	Item Code	Item Name		
(1) Soft Close Upper Track	Surface Mount	1820 mm	250-033-825	FD35EV-TRM1820SC-SL	250-033-828	FD35EV-TRM1820SC-UM	250-033-831	FD35EV-TRM1820SC-WT	
			2000 mm	250-035-935	FD35EV-TRM2000SC-SL	250-035-938	FD35EV-TRM2000SC-UM	-	-
			2730 mm	250-033-826	FD35EV-TRM2730SC-SL	250-033-829	FD35EV-TRM2730SC-UM	250-033-832	FD35EV-TRM2730SC-WT
			3000 mm	250-035-936	FD35EV-TRM3000SC-SL	250-035-939	FD35EV-TRM3000SC-UM	-	-
			3640 mm	250-033-827	FD35EV-TRM3640SC-SL	250-033-830	FD35EV-TRM3640SC-UM	250-033-833	FD35EV-TRM3640SC-WT
			4000 mm	250-035-937	FD35EV-TRM4000SC-SL	250-035-940	FD35EV-TRM4000SC-UM	-	-
(1) Soft Close Upper Track	Recessed Mount	1820 mm	250-033-843	FD35EV-TRH1820SC-SL	250-033-846	FD35EV-TRH1820SC-UM	250-033-849	FD35EV-TRH1820SC-WT	
			2000 mm	250-035-947	FD35EV-TRH2000SC-SL	250-035-950	FD35EV-TRH2000SC-UM	-	-
			2730 mm	250-033-844	FD35EV-TRH2730SC-SL	250-033-847	FD35EV-TRH2730SC-UM	250-033-850	FD35EV-TRH2730SC-WT
			3000 mm	250-035-948	FD35EV-TRH3000SC-SL	250-035-951	FD35EV-TRH3000SC-UM	-	-
			3640 mm	250-033-845	FD35EV-TRH3640SC-SL	250-033-848	FD35EV-TRH3640SC-UM	250-033-851	FD35EV-TRH3640SC-WT
			4000 mm	250-035-949	FD35EV-TRH4000SC-SL	250-035-952	FD35EV-TRH4000SC-UM	-	-

TOP MOUNTED SLIDING DOOR (RECESSED UPPER ROLLER) **INSTRUCTION** **VIDEO** **FD35EV**

This standard sliding door operates smoothly and requires little strength to operate, making it ideal for retail shops and other public areas as well.

Passed 300,000 open/ close cycles in private test

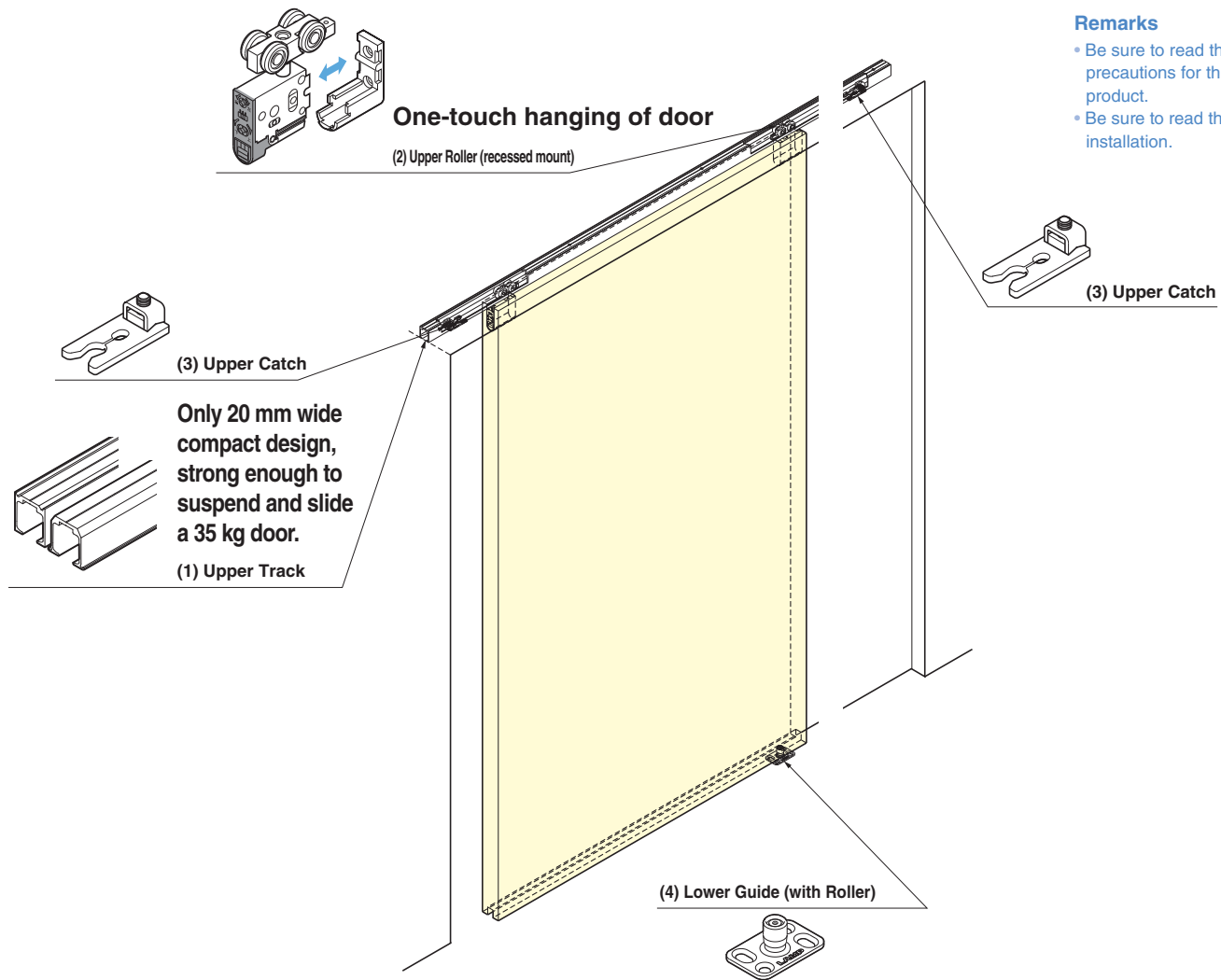
Features	Door Size (per door)	Adjustment
-	Minimum 24 mm Maximum 2700 mm Weight: Maximum 35 kg Door Height Max.2400 mm : Max. 1200 mm Door Height Max.2401 - 2700 mm : 700 - 1200 mm	

ARCHITECTURAL DOOR HARDWARE

TOP MOUNTED SLIDING DOOR

Remarks

- Be sure to read the precautions for this product.
- Be sure to read the installation.



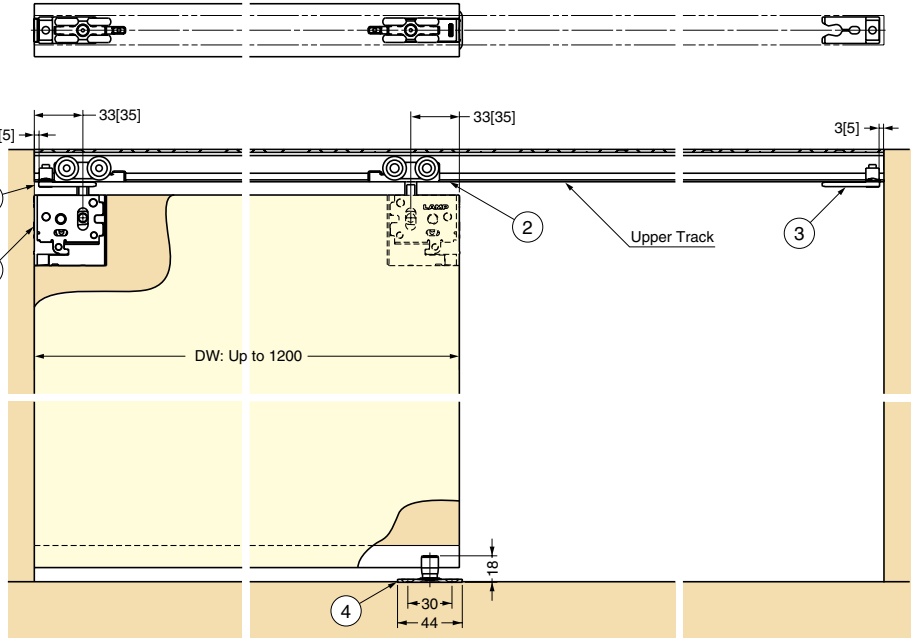
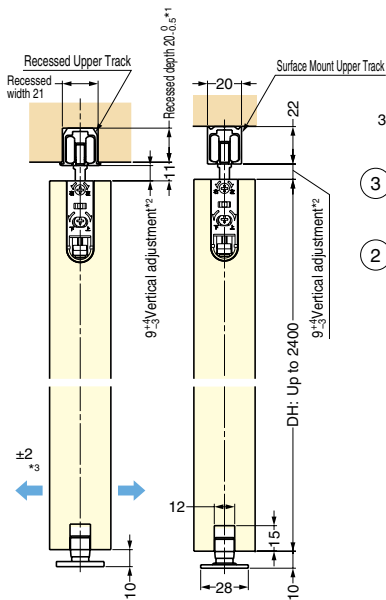
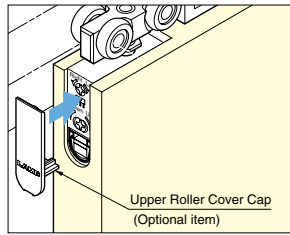
Standard part list

See «Type of Upper Track» for details on the type of upper track used for (1).

Parts	Necessary Parts (Option 1 or 2)		Necessary Parts			Optional Parts
	(1) Upper Track Surface Mount	(1) Upper Track Recessed Mount	(2) Upper Roller (recessed mount)	(3) Upper Catch	(4) Lower Guide (with Roller)	(5) Embedded Lower Guide Rail
 Item Code Item Name Select surface or recessed mount		 250-033-813 FD35EV-WRH	 The part set is grey. White and dark brown sets are also available. 250-019-970 FD30-HTST-GR	 250-029-718 FD50-BGR18	 250-019-971 FD30-HBRT1500SIL	
Single Sliding Door System 	Length 1820 mm x 1 pcs		2 pcs	2 pcs	1 pc	(1 pc)
			← Set of necessary parts for sliding doors Item Code: 250-035-323 → Item Name: FD35EVHHP			
Overlapping Sliding Doors System 	Length 1820 mm x 2 pcs		4 pcs	4 pcs	2 pcs	(2 pcs)
			← Set of necessary parts for sliding doors Item Code: 250-035-323 → Item Name: FD35EVHHP x 2			

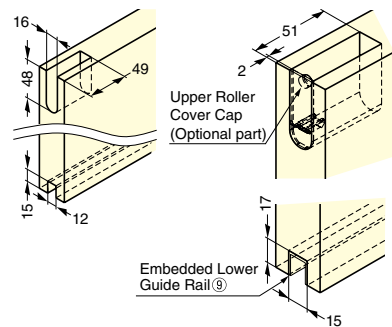
Installation Example

- *1 If wrapping with a cloth, etc., account for the dimensions of the cloth.
- *2 The gap between the upper track and the door can be adjusted within a range of -3 mm to +4 mm.
- *3 The horizontal position of the door can be adjusted within a range of -2 mm to +2 mm from the end of the door.

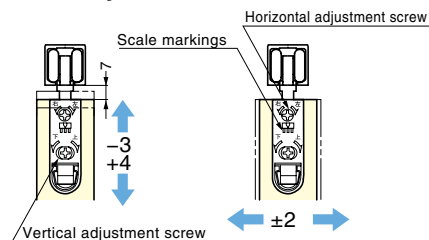


[] indicates the dimensions when the upper roller cover cap (optional) is attached.

Cut Out Dimensions

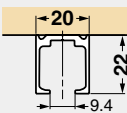
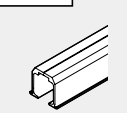


Door Adjustment



- Can be adjusted with one ⊕No. 2 screwdriver.
- Scale markings are provided for horizontal adjustment from the end of the door.

Type of Upper Track Recommended screws: Cross-recessed flat head tapping screws 3.5 x 25

Specifications	Length	Silver		Amber		White	
		Item Code	Item Name	Item Code	Item Name	Item Code	Item Name
(1) Upper Track Surface Mount 	1820 mm	250-033-816	FD35EV-TRM1820-SL	250-033-819	FD35EV-TRM1820-UM	250-033-822	FD35EV-TRM1820-WT
	2000 mm	250-035-929	FD35EV-TRM2000-SL	250-035-932	FD35EV-TRM2000-UM	-	-
	2730 mm	250-033-817	FD35EV-TRM2730-SL	250-033-820	FD35EV-TRM2730-UM	250-033-823	FD35EV-TRM2730-WT
	3000 mm	250-035-930	FD35EV-TRM3000-SL	250-035-933	FD35EV-TRM3000-UM	-	-
	3640 mm	250-033-818	FD35EV-TRM3640-SL	250-033-821	FD35EV-TRM3640-UM	250-033-824	FD35EV-TRM3640-WT
	4000 mm	250-035-931	FD35EV-TRM4000-SL	250-035-934	FD35EV-TRM4000-UM	-	-
Recessed Mount 	1820 mm	250-033-834	FD35EV-TRH1820-SL	250-033-837	FD35EV-TRH1820-UM	250-033-840	FD35EV-TRH1820-WT
	2000 mm	250-035-941	FD35EV-TRH2000-SL	250-035-944	FD35EV-TRH2000-UM	-	-
	2730 mm	250-033-835	FD35EV-TRH2730-SL	250-033-838	FD35EV-TRH2730-UM	250-033-841	FD35EV-TRH2730-WT
	3000 mm	250-035-942	FD35EV-TRH3000-SL	250-035-945	FD35EV-TRH3000-UM	-	-
	3640 mm	250-033-836	FD35EV-TRH3640-SL	250-033-839	FD35EV-TRH3640-UM	250-033-842	FD35EV-TRH3640-WT
	4000 mm	250-035-943	FD35EV-TRH4000-SL	250-035-946	FD35EV-TRH4000-UM	-	-

TOP MOUNTED SLIDING DOOR (TWO-WAY SOFT CLOSE TYPE/OUTSET/RECESSED UPPER ROLLER)

Under Development

INSTRUCTION

FD35EV

This two-way soft closing sliding door operates smoothly and requires little strength to operate, making it ideal for retail shops and other public areas as well. Can be retrofitted to the top wall of entrances.

Passed 300,000 cycles of in-house opening and closing testing

Features	Door Size (per door)	Adjustment
<p>Two-Way Soft Close (both directions)</p> <p>With Sequential Double Damper (2 stages)</p>	<p>30 - 36 mm</p> <p>Maximum 2400 mm</p> <p>590 - 1200 mm</p> <p>Weight: Maximum 35 kg</p> <p>10 kg or more recommended</p>	<p>-3 mm +4 mm</p> <p>±2 mm</p>

2-Stage

Soft closing starts at approx. 100 mm for reliable operation

Soft opening With Sequential Double Damper in two stages enables less force to be used when opening too (compared to FD30).

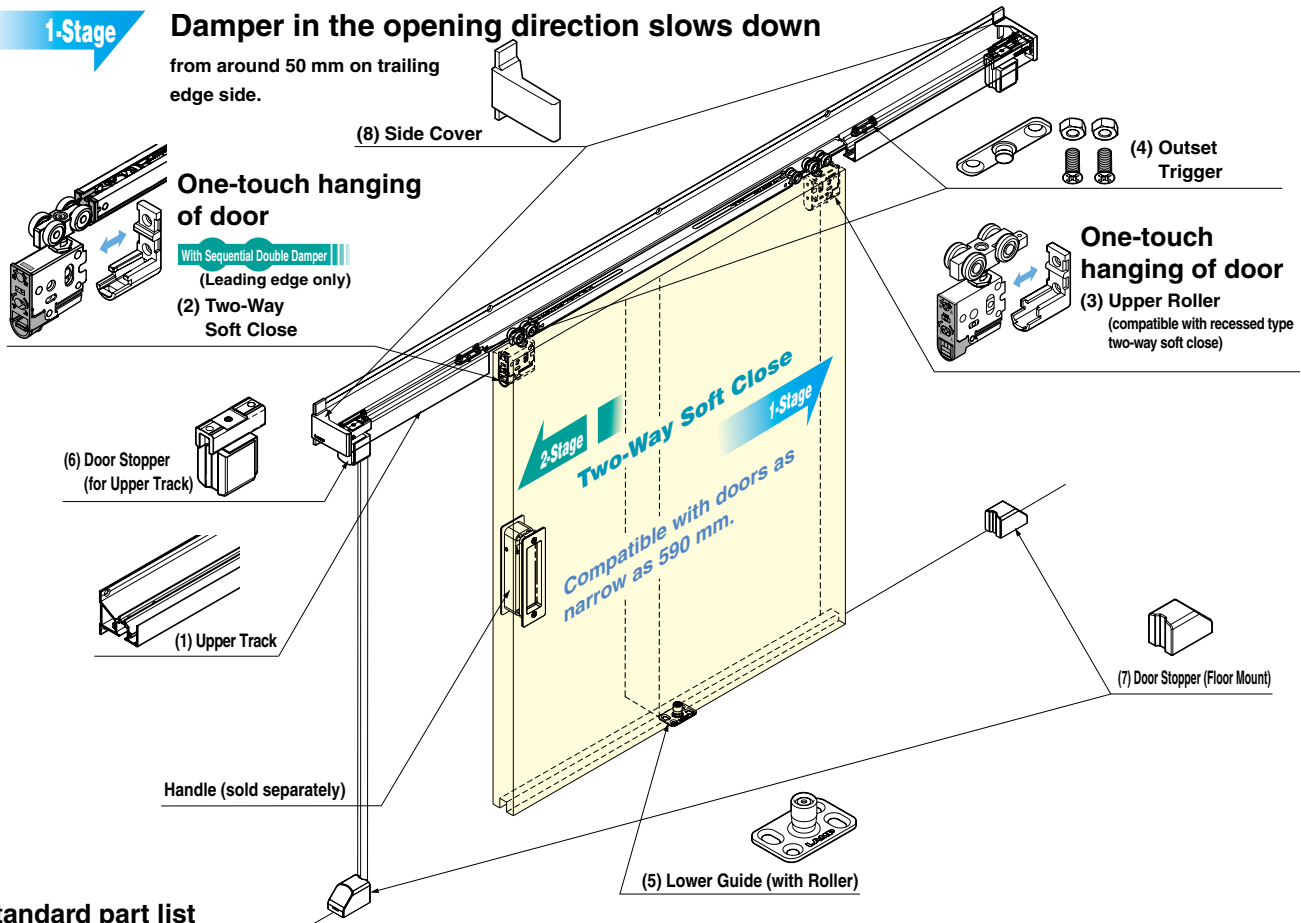
Remarks

- Be sure to read the precautions for this product.
- Be sure to read the installation.

1-Stage

Damper in the opening direction slows down

from around 50 mm on trailing edge side.



Standard part list

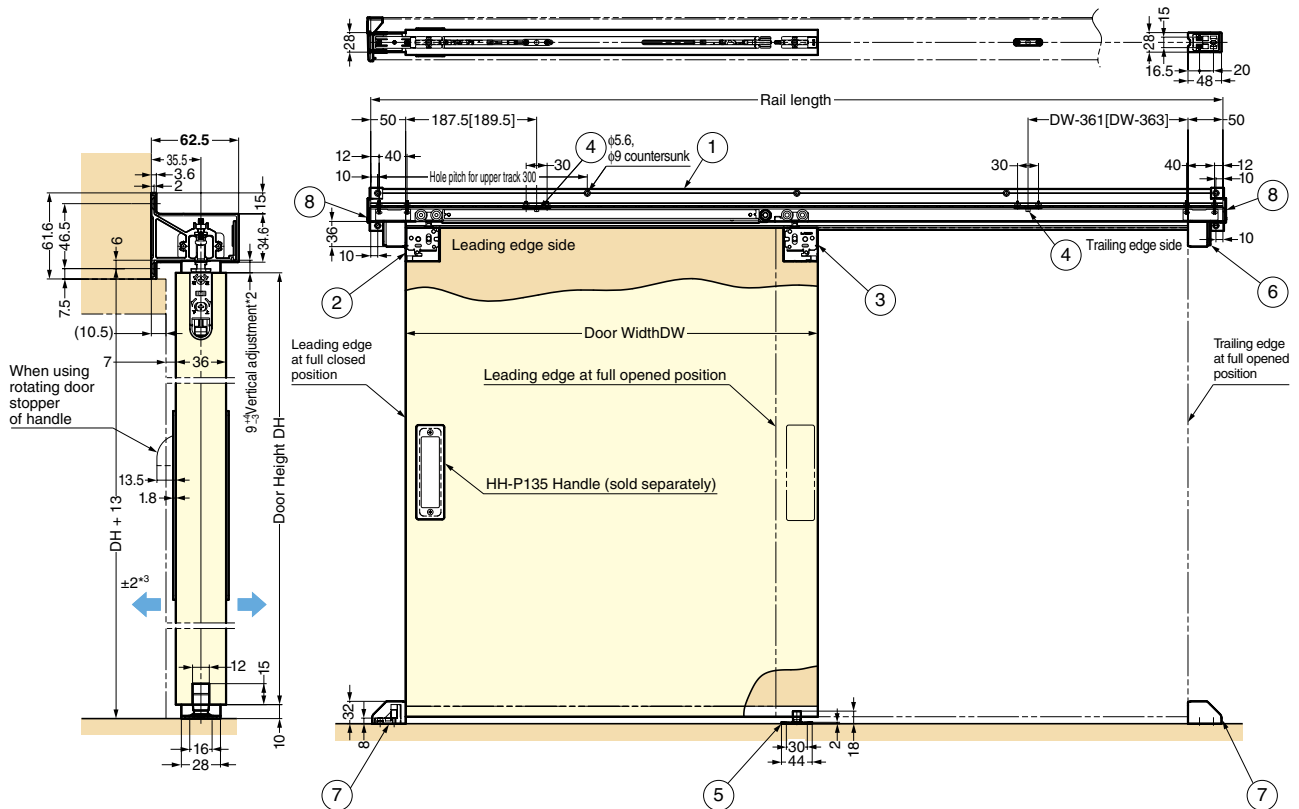
See "Type of Outset Upper Track" for details on the type of upper track used for (1).

Parts	Necessary Parts							Necessary Parts (Select Colour)	Recommended Options
	(1) Upper Track	(2) Two-Way Soft Close*1	(3) Upper Roller (compatible with recessed type two-way soft close)	(4) Outset Trigger 2 pcs	(5) Lower Guide (with Roller)	(6) Door Stopper (for Upper Track)	(7) Door Stopper (Floor Mount)		
Item Code		250-033-810	250-033-812	250-041-954	250-029-718	250-041-955	250-041-956		250-019-971
Item Name		FD35EV-WRH-DSC	FD35EV-WRH-N	FD35EV-TRA-TRG	FD50-BGR18	FD35EV-TRA-STP	FD35EV-FSTP		FD30-HBRT1500SIL
Two-Way Soft Close Type	Length 2120 mm x 1 pc	1 pc	1 pc	1Set	1 pc	2 pcs	2 pcs	1 set (Grey) 250-022-273 FD30-HASC-GR 1 set (Brown) 250-022-449 FD30-HASC-BR 1 set (White) 250-025-640 FD30-HASC-WT	1 pc
		Set of necessary parts for sliding doors							
		Item Code: 250-041-953							
		Item Name: FD35EVDHCP-AK							

*1 Includes Trigger Installation Jig and spanner. Can also be purchased separately.

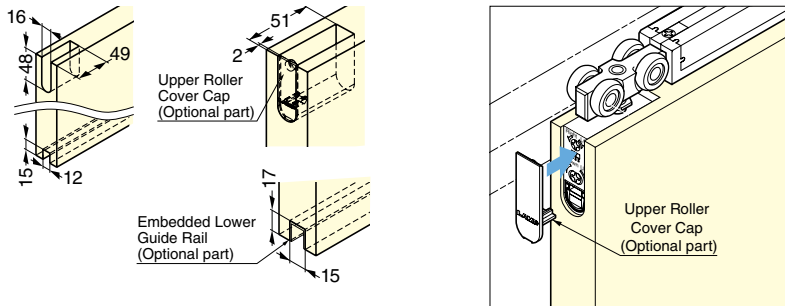
Installation Example

- *2 The gap between the upper track and the door can be adjusted within a range of -3 mm to +4 mm.
- *3 The horizontal position can be adjusted within a range of -2 mm to +2 mm from the end of the door.



[] indicates the dimensions when the upper roller cover cap (optional) is attached.

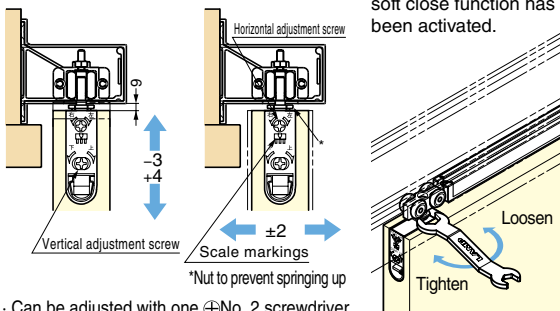
Cut Out Dimensions



Door Adjustment

Internal mechanism prevents bouncing during closing

Prevents the door from bouncing up after the soft close function has been activated.



- Can be adjusted with one ⊕No. 2 screwdriver.
- Scale markings are provided for horizontal adjustment from the end of the door.

After adjusting, tighten the spring-up prevention nuts (necessary parts (2) and (3)) using the spanner (included with closer) with a nominal size of 12 until the nuts come into contact with the upper track.

Type of Outset Upper Track

Included screws: Size 4 x 40 cross-recessed flat head tapping screws

Specifications	Length	Silver		Amber		White	
		Item Code	Item Name	Item Code	Item Name	Item Code	Item Name
(1) Outset Upper Track	2120 mm	250-041-957	FD35EV-TRA2120-SL	250-041-958	FD35EV-TRA2120-UM	250-041-959	FD35EV-TRA2120-WT
	2420 mm	250-041-960	FD35EV-TRA2420-SL	250-041-961	FD35EV-TRA2420-UM	250-041-962	FD35EV-TRA2420-WT
	2720 mm	250-041-963	FD35EV-TRA2720-SL	250-041-964	FD35EV-TRA2720-UM	250-041-965	FD35EV-TRA2720-WT

TOP MOUNTED SLIDING DOOR

(COMPATIBLE WITH POCKET DOOR TWO-WAY SOFT CLOSE TYPE/RECESSED UPPER ROLLER)



FD35EV

<p>This two-way soft closing sliding door has an upper track which can be separated or reconnected, allowing for easy maintenance post-installation. Highly recommended for retail shops, public facilities and other types of interiors.</p> <p>Passed 300,000 open/ close cycles in private test</p>	Features	Door Size (per door)	Adjustment
	<p>Two-Way Soft Close (both directions)</p> <p>With Sequential Double Damper (2 stages)</p>	<p>Minimum 30 mm</p> <p>Maximum 2700 mm</p> <p>Weight: Maximum 35 kg 10 kg or higher recommended</p> <p>Door Height Max.2400 mm : 590 - 1200 mm Door Height Max.2401 - 2700 mm : 700 - 1200 mm</p>	

2-Stage

Soft closing starts at approx. 100 mm for reliable operation

Remarks

Soft opening With Sequential Double Damper in two stages enables less force to be used when opening too (compared to FD30).

- Be sure to read the precautions for this product.
- Be sure to read the installation.

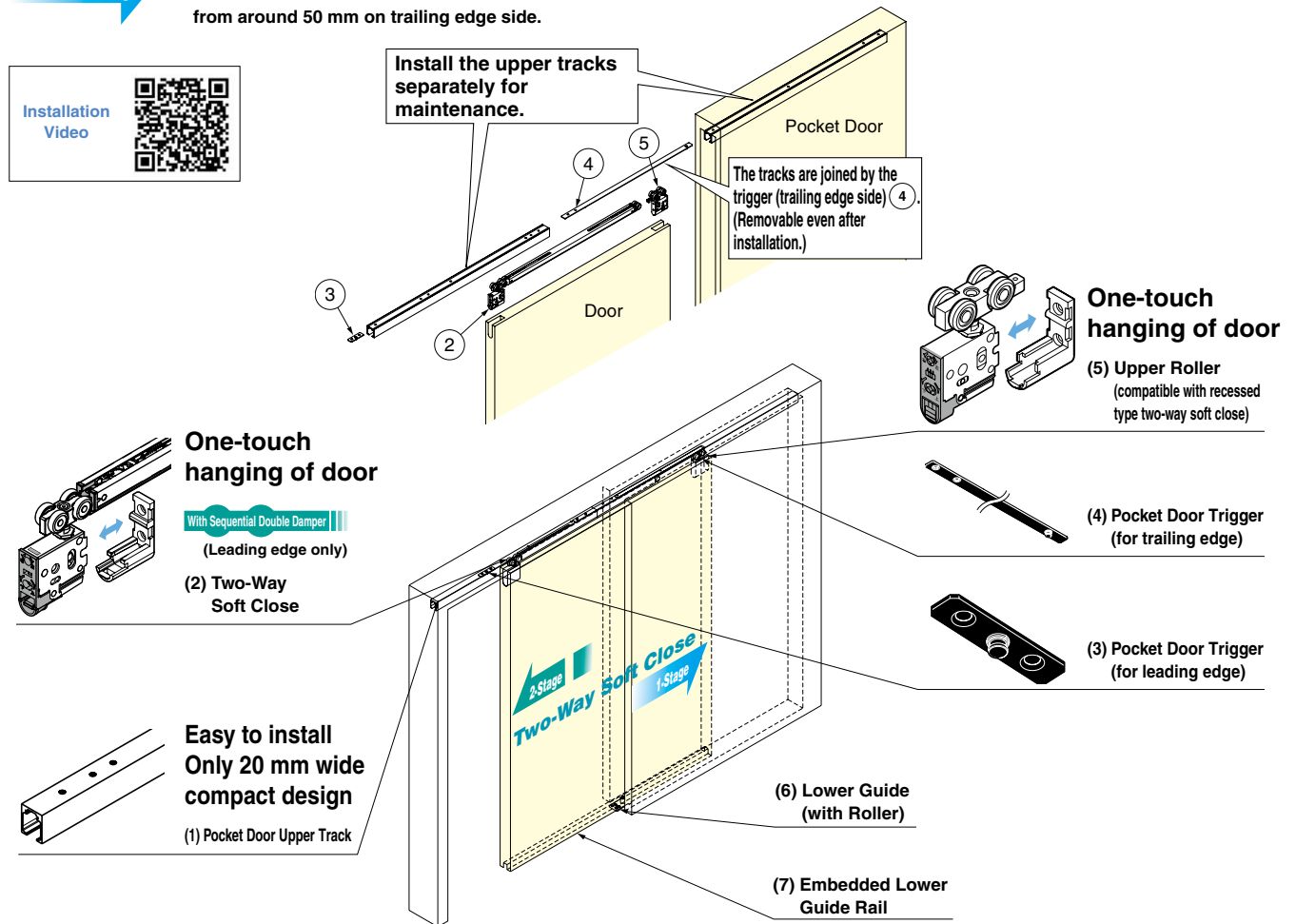
1-Stage

Damper in the opening direction slows down

from around 50 mm on trailing edge side.

ARCHITECTURAL DOOR HARDWARE

TOP MOUNTED SLIDING DOOR



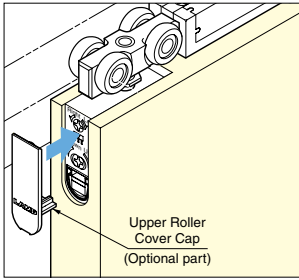
Standard part list

(1) See "Type of Pocket Door Upper Track" for details on the type of pocket door upper track used for (1).

Parts	Necessary Parts				Necessary Parts		Optional Parts
	(1) Pocket Door Upper Track	(2) Two-Way Soft Close*1	(3) Pocket Door Trigger (for leading edge)	(4) Pocket Door Trigger (for trailing edge)	(5) Upper Roller (compatible with recessed type two-way soft close)	(6) Lower Guide (with Roller)	(7) Embedded Lower Guide Rail
<p>Item Code: FD35EV-WRH-DSC</p>	<p>Item Code: 250-033-810</p>	<p>Item Code: 250-035-299</p>	<p>Item Code: 250-035-298</p>	<p>Item Code: 250-033-812</p>	<p>Item Code: 250-029-718</p>	<p>Item Code: 250-019-971</p>	
<p>Length 1860 mm</p> <p>x 1 pc (cut to size)</p>	1 pc	1 pc	1 pc	1 pc	1 pc	(1 pc)	
<p>Item Name: FD35EVDHCP-PD</p>	<p>Set of necessary parts for sliding doors</p> <p>Item Code: 250-035-236</p>						

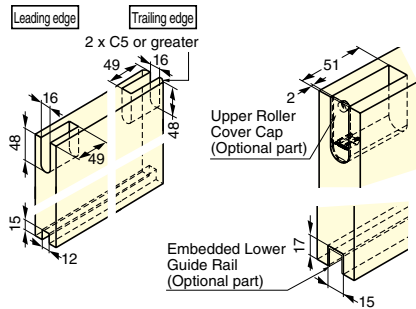
*1 Includes spanner. Can also be purchased separately.

Installation Example



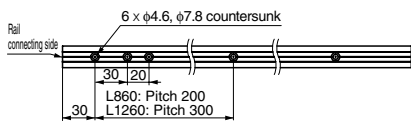
- *2 The gap between the upper track and the door can be adjusted within a range of -3 mm to +4 mm.
- *3 The horizontal position of the door can be adjusted within a range of -2 mm to +2 mm from the end of the door.

Cut Out Dimensions

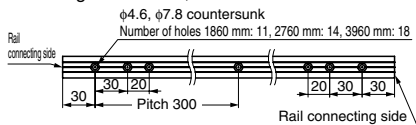


Upper Track Dimensions

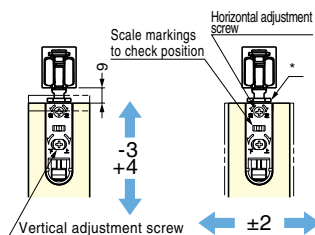
- Rail length 860 mm or 1260 mm



- Rail length 1860 mm, 2760 mm or 3960 mm



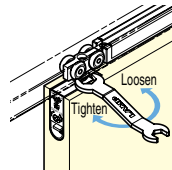
Door Adjustment



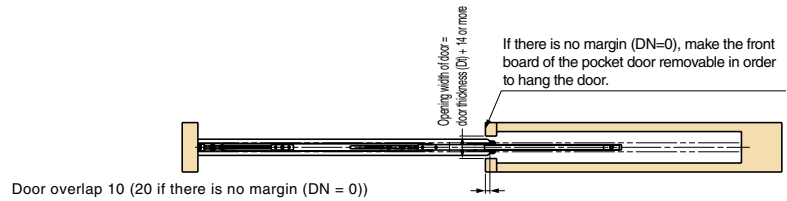
- *Includes nuts to prevent springing up
- Can be adjusted with one ⊕No. 2 screwdriver.
- Incremental markings are provided for horizontal adjustment from the end of the door.

Internal mechanism prevents bouncing during closing

Prevents the door from bouncing up after the soft close function has been activated.

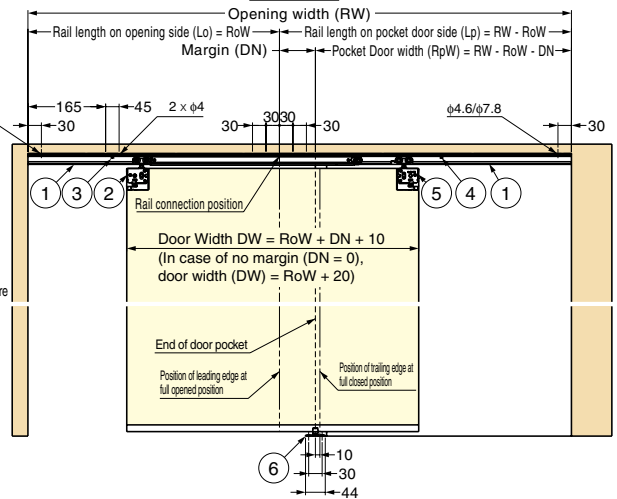
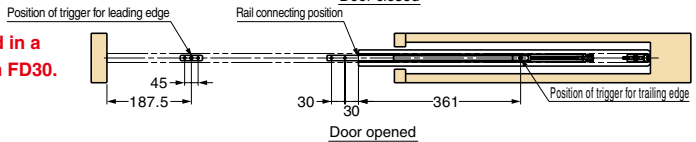


After adjusting, tighten the spring-up prevention nuts (necessary parts (2) and (5)) using the spanner (included with closer) with a nominal size of 12 until the nuts come into contact with the upper track.



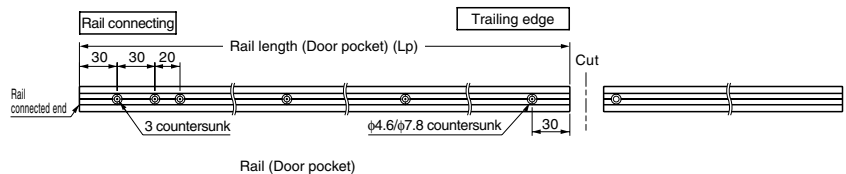
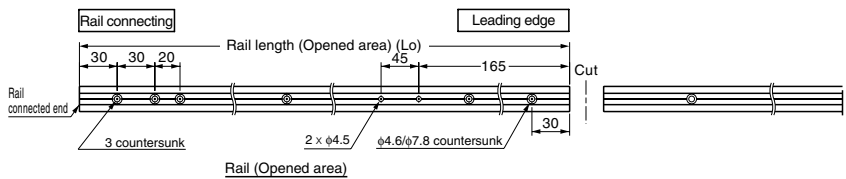
Door overlap 10 (20 if there is no margin (DN = 0))

The trigger is installed in a different position from FD30.

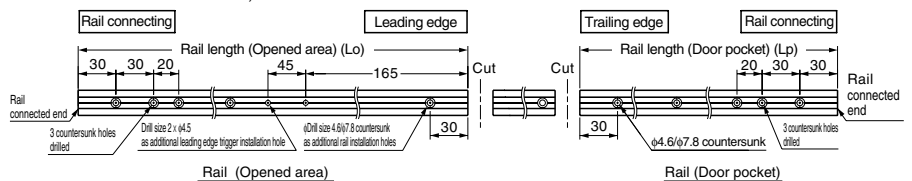


Pocket Door Upper Track Dimensions

With two rails of 860 mm or 1260 mm



With one rail of 1860 mm, 2760 mm or 3960 mm




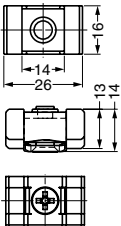
Type of Pocket Door Upper Track Included screws: Cross-recessed flat head tapping screws 3.5 x 25

Specifications	Length	Silver		Amber		White	
		Item Code	Item Name	Item Code	Item Name	Item Code	Item Name
(1) Pocket Door Upper Track	860 mm	250-035-283	FD30-35EV-TRMP860-SL	250-035-288	FD30-35EV-TRMP860-UM	250-035-293	FD30-35EV-TRMP860-WT
	1260 mm	250-035-284	FD30-35EV-TRMP1260-SL	250-035-289	FD30-35EV-TRMP1260-UM	250-035-294	FD30-35EV-TRMP1260-WT
	1860 mm	250-035-285	FD30-35EV-TRMP1860-SL	250-035-290	FD30-35EV-TRMP1860-UM	250-035-295	FD30-35EV-TRMP1860-WT
	2760 mm	250-035-286	FD30-35EV-TRMP2760-SL	250-035-291	FD30-35EV-TRMP2760-UM	250-035-296	FD30-35EV-TRMP2760-WT
	3960 mm	250-035-287	FD30-35EV-TRMP3960-SL	250-035-292	FD30-35EV-TRMP3960-UM	250-035-297	FD30-35EV-TRMP3960-WT

PARTS TABLE

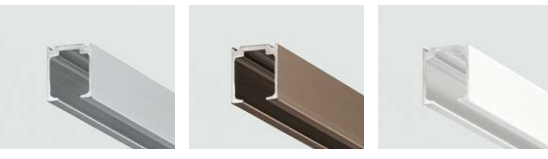
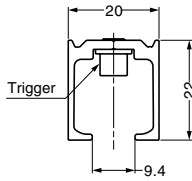
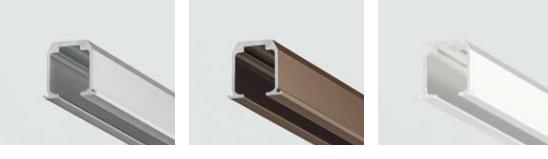
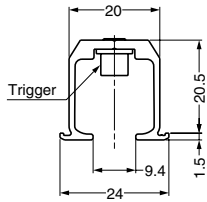
Compatible Products	Name	Dimensions	Specifications	Item Code	CAD	
FD 35EV	TWO-WAY SOFT CLOSE (Recessed Type) PAT		<p>A two-way soft close in which the damper moves in two stages on the leading edge side and in one stage on the trailing edge side, so that the door gently opens and closes. This recessed type enables the door to be mounted and removed without tools. The door can be adjusted vertically and horizontally through controls at the door edge. Includes nuts to prevent door from bouncing up during close due to spring.</p> <ul style="list-style-type: none"> • Main material: Zinc alloy/polyacetal (POM) • Finish: Coloured chromate finish/grey <p>Included screws: Size 3.8 x 40 cross-recessed pan head tapping screws (3 pcs)</p>	250-033-810 FD35EV-WRH-DSC	-	
	RETROFIT TRIGGER		<p>A trigger to initialize the Two-Way Soft Close mechanism. One is included with the Two-Way Soft Close.</p> <ul style="list-style-type: none"> • Material: Steel • Finish: Coloured chromate finish (trivalent) <p>Included screws: Size 4 x 30 cross-recessed flat head tapping screws (countersunk head diameter 6, chromate finish (trivalent)) (2 pcs)</p>	250-033-814 FD35EV-TRG	-	
	TRIGGER INSTALLATION JIG PAT.P		<p>Included with the Two-Way Soft Close (recessed type) but also available for separate purchase. Read the precautions for installation for information on using this product.</p>	<p>A jig set to install the FD35 retrofit trigger on the rail. One is included with the Two-Way Soft Close.</p> <ul style="list-style-type: none"> • Material: Polyacetal (POM) • Colour: Red 	250-033-815 FD35EV-TRJ	-
	SPANNER			<p>Use to tighten the hex heads of the spring-up prevention nuts in the Upper Roller, Two-Way Soft Close and Single Soft Close. One is included with the Two-Way Soft Close.</p> <ul style="list-style-type: none"> • Material: Steel • Finish: Coloured chromate finish (trivalent) 	250-017-168 FD30-FSP	-
	UPPER ROLLER (compatible with Recessed Type Two-Way Soft Close)			<p>This recessed type enables mounting and removing without using tools, and allows vertical and horizontal adjustment (as viewed from the end of the door). Includes nuts to prevent door from springing up.</p> <ul style="list-style-type: none"> • Material: Zinc alloy/polyacetal (POM) • Finish: Coloured chromate finish/grey <p>Included screws: Size 3.8 x 40 cross-recessed pan head tapping screws (3 pcs)</p>	250-033-812 FD35EV-WRH-N	-
	SINGLE SOFT CLOSE PAT			<p>A single soft close which draws the door in slowly in two stages for safety. This recessed type enables the door to be mounted and removed without using tools, and can be adjusted vertically and horizontally through controls at the door edge. Includes nuts to prevent door from bouncing up during close due to spring.</p> <ul style="list-style-type: none"> • Main Material: Polyacetal (POM) • Colour: Grey <p>Included screws: Size 3.8 x 40 cross-recessed pan head tapping screws (3 pcs)</p>	250-033-811 FD35EV-WRH-SC	-
	SPANNER			<p>Use to tighten the hex heads of the spring-up prevention nuts in the Upper Roller, Two-Way Soft Close and Single Soft Close. One is included with the Single Soft Close.</p> <ul style="list-style-type: none"> • Material: Steel • Finish: Coloured chromate finish (trivalent) 	250-017-168 FD30-FSP	-
	UPPER ROLLER (Recessed Type)			<p>This recessed upper roller enables the door to be mounted and removed without using tools, and to be adjusted vertically and horizontally.</p> <ul style="list-style-type: none"> • Material: Zinc alloy/polyacetal (POM) • Finish: Coloured chromate finish/grey <p>Included screws: Size 3.8 x 40 cross-recessed pan head tapping screws (3 pcs)</p>	250-033-813 FD35EV-WRH	-
	UPPER CATCH			<p>A dedicated upper catch to hold sliding doors closed.</p> <ul style="list-style-type: none"> • Material: Steel/polyacetal (POM) • Finish: Coloured chromate finish/white, grey, dark brown 	White 250-025-698 FD30-HTST-WT Grey 250-019-970 FD30-HTST-GR Dark Brown 250-019-969 FD30-HTST-DB	-
	LOWER GUIDE (with Roller)			<p>A lower guide with a roller.</p> <ul style="list-style-type: none"> • Material: Stainless steel (SUS430)/polyacetal • Colour: Plain/natural <p>Included screws: Size 4 x 20 cross-recessed flat head tapping screws (stainless steel) (4 pcs)</p>	250-029-718 FD50-BGR18	PDF

PARTS TABLE

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD
FD 35EV	BUMPER BLOCK 		A bumper that can be used with the Two-Way Soft Close or Single Soft Close. * Material: Steel/ethylene propylene rubber (EPDM) * Finish: Coloured chromate finish (trivalent)/grey	250-034-114 FD35EV-HBB	-

SOFT CLOSE UPPER TRACK

An end plate to cover the end of the top rail and a cleaner to remove shavings left over after cutting the upper track are also available.

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD																																																															
FD 35EV	SOFT CLOSE UPPER TRACK (Surface mount) 		A dedicated soft close trigger is installed for easy mounting. This surface mount upper track has a rail width of 20 mm. *Material Aluminium alloy *Finish Silver: Silver anodised + coating/clear Amber: Amber anodised + coating/clear White: Anodised + coating/white Recommended Screw Size 3.5 x 25 cross-recessed flat head tapping screws	<table border="1"> <tr><td rowspan="6">Silver</td><td>Length 1820 mm</td><td>250-033-825</td><td>FD35EV-TRM1820SC-SL</td><td>-</td></tr> <tr><td>Length 2000 mm</td><td>250-035-935</td><td>FD35EV-TRM2000SC-SL</td><td>-</td></tr> <tr><td>Length 2730 mm</td><td>250-033-826</td><td>FD35EV-TRM2730SC-SL</td><td>-</td></tr> <tr><td>Length 3000 mm</td><td>250-035-936</td><td>FD35EV-TRM3000SC-SL</td><td>-</td></tr> <tr><td>Length 3640 mm</td><td>250-033-827</td><td>FD35EV-TRM3640SC-SL</td><td>-</td></tr> <tr><td>Length 4000 mm</td><td>250-035-937</td><td>FD35EV-TRM4000SC-SL</td><td>-</td></tr> <tr><td rowspan="6">Amber</td><td>Length 1820 mm</td><td>250-033-828</td><td>FD35EV-TRM1820SC-UM</td><td>-</td></tr> <tr><td>Length 2000 mm</td><td>250-035-938</td><td>FD35EV-TRM2000SC-UM</td><td>-</td></tr> <tr><td>Length 2730 mm</td><td>250-033-829</td><td>FD35EV-TRM2730SC-UM</td><td>-</td></tr> <tr><td>Length 3000 mm</td><td>250-035-939</td><td>FD35EV-TRM3000SC-UM</td><td>-</td></tr> <tr><td>Length 3640 mm</td><td>250-033-830</td><td>FD35EV-TRM3640SC-UM</td><td>-</td></tr> <tr><td>Length 4000 mm</td><td>250-035-940</td><td>FD35EV-TRM4000SC-UM</td><td>-</td></tr> <tr><td rowspan="3">White</td><td>Length 1820 mm</td><td>250-033-831</td><td>FD35EV-TRM1820SC-WT</td><td>-</td></tr> <tr><td>Length 2730 mm</td><td>250-033-832</td><td>FD35EV-TRM2730SC-WT</td><td>-</td></tr> <tr><td>Length 3640 mm</td><td>250-033-833</td><td>FD35EV-TRM3640SC-WT</td><td>-</td></tr> </table>	Silver	Length 1820 mm	250-033-825	FD35EV-TRM1820SC-SL	-	Length 2000 mm	250-035-935	FD35EV-TRM2000SC-SL	-	Length 2730 mm	250-033-826	FD35EV-TRM2730SC-SL	-	Length 3000 mm	250-035-936	FD35EV-TRM3000SC-SL	-	Length 3640 mm	250-033-827	FD35EV-TRM3640SC-SL	-	Length 4000 mm	250-035-937	FD35EV-TRM4000SC-SL	-	Amber	Length 1820 mm	250-033-828	FD35EV-TRM1820SC-UM	-	Length 2000 mm	250-035-938	FD35EV-TRM2000SC-UM	-	Length 2730 mm	250-033-829	FD35EV-TRM2730SC-UM	-	Length 3000 mm	250-035-939	FD35EV-TRM3000SC-UM	-	Length 3640 mm	250-033-830	FD35EV-TRM3640SC-UM	-	Length 4000 mm	250-035-940	FD35EV-TRM4000SC-UM	-	White	Length 1820 mm	250-033-831	FD35EV-TRM1820SC-WT	-	Length 2730 mm	250-033-832	FD35EV-TRM2730SC-WT	-	Length 3640 mm	250-033-833	FD35EV-TRM3640SC-WT	-	-
	Silver	Length 1820 mm	250-033-825	FD35EV-TRM1820SC-SL		-																																																														
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	Length 2730 mm	250-033-832	FD35EV-TRM2730SC-WT	-																																																																
	Length 3640 mm	250-033-833	FD35EV-TRM3640SC-WT	-																																																																
SOFT CLOSE UPPER TRACK (Recessed mount) 		A dedicated soft close trigger is installed for easy mounting. This recessed upper track has a rail width of 20 mm. *Material Aluminium alloy *Finish Silver: Silver anodised + coating/clear Amber: Amber anodised + coating/clear White: Anodised + coating/white Recommended Screw Size 3.5 x 25 cross-recessed flat head tapping screws	<table border="1"> <tr><td rowspan="6">Silver</td><td>Length 1820 mm</td><td>250-033-843</td><td>FD35EV-TRH1820SC-SL</td><td>-</td></tr> <tr><td>Length 2000 mm</td><td>250-035-947</td><td>FD35EV-TRH2000SC-SL</td><td>-</td></tr> <tr><td>Length 2730 mm</td><td>250-033-844</td><td>FD35EV-TRH2730SC-SL</td><td>-</td></tr> <tr><td>Length 3000 mm</td><td>250-035-948</td><td>FD35EV-TRH3000SC-SL</td><td>-</td></tr> <tr><td>Length 3640 mm</td><td>250-033-845</td><td>FD35EV-TRH3640SC-SL</td><td>-</td></tr> <tr><td>Length 4000 mm</td><td>250-035-949</td><td>FD35EV-TRH4000SC-SL</td><td>-</td></tr> <tr><td rowspan="6">Amber</td><td>Length 1820 mm</td><td>250-033-846</td><td>FD35EV-TRH1820SC-UM</td><td>-</td></tr> <tr><td>Length 2000 mm</td><td>250-035-950</td><td>FD35EV-TRH2000SC-UM</td><td>-</td></tr> <tr><td>Length 2730 mm</td><td>250-033-847</td><td>FD35EV-TRH2730SC-UM</td><td>-</td></tr> <tr><td>Length 3000 mm</td><td>250-035-951</td><td>FD35EV-TRH3000SC-UM</td><td>-</td></tr> <tr><td>Length 3640 mm</td><td>250-033-848</td><td>FD35EV-TRH3640SC-UM</td><td>-</td></tr> <tr><td>Length 4000 mm</td><td>250-035-952</td><td>FD35EV-TRH4000SC-UM</td><td>-</td></tr> <tr><td rowspan="2">White</td><td>Length 1820 mm</td><td>250-033-849</td><td>FD35EV-TRH1820SC-WT</td><td>-</td></tr> <tr><td>Length 2730 mm</td><td>250-033-850</td><td>FD35EV-TRH2730SC-WT</td><td>-</td></tr> <tr><td></td><td>Length 3640 mm</td><td>250-033-851</td><td>FD35EV-TRH3640SC-WT</td><td>-</td></tr> </table>	Silver	Length 1820 mm	250-033-843	FD35EV-TRH1820SC-SL	-	Length 2000 mm	250-035-947	FD35EV-TRH2000SC-SL	-	Length 2730 mm	250-033-844	FD35EV-TRH2730SC-SL	-	Length 3000 mm	250-035-948	FD35EV-TRH3000SC-SL	-	Length 3640 mm	250-033-845	FD35EV-TRH3640SC-SL	-	Length 4000 mm	250-035-949	FD35EV-TRH4000SC-SL	-	Amber	Length 1820 mm	250-033-846	FD35EV-TRH1820SC-UM	-	Length 2000 mm	250-035-950	FD35EV-TRH2000SC-UM	-	Length 2730 mm	250-033-847	FD35EV-TRH2730SC-UM	-	Length 3000 mm	250-035-951	FD35EV-TRH3000SC-UM	-	Length 3640 mm	250-033-848	FD35EV-TRH3640SC-UM	-	Length 4000 mm	250-035-952	FD35EV-TRH4000SC-UM	-	White	Length 1820 mm	250-033-849	FD35EV-TRH1820SC-WT	-	Length 2730 mm	250-033-850	FD35EV-TRH2730SC-WT	-		Length 3640 mm	250-033-851	FD35EV-TRH3640SC-WT	-	-
Silver	Length 1820 mm	250-033-843	FD35EV-TRH1820SC-SL		-																																																															
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	Length 3640 mm	250-033-851	FD35EV-TRH3640SC-WT	-																																																																

Caution Do not cut the trigger end. This will cause the soft closing mechanism to stop working.

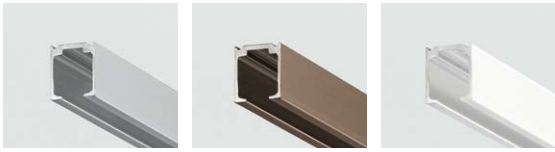
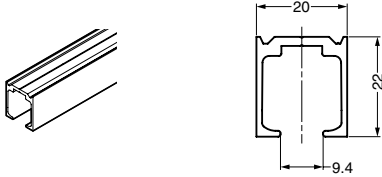
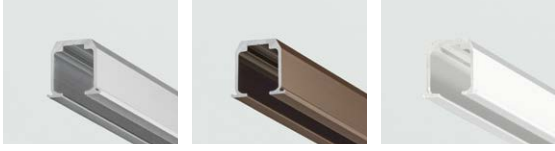
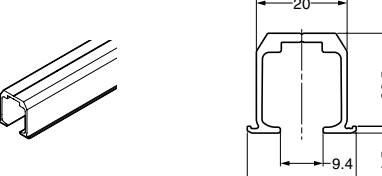
Caution Do not cut the trigger end. This will cause the soft closing mechanism to stop working.

ARCHITECTURAL
DOOR HARDWARE

TOP MOUNTED SLIDING DOOR

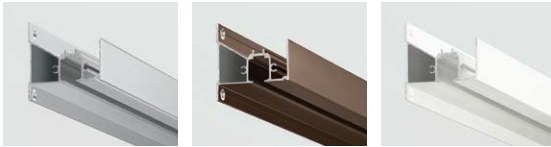
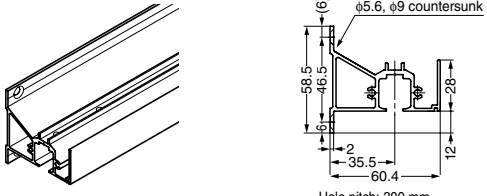
STANDARD UPPER TRACK

An end plate to cover the end of the top rail and a cleaner to remove shavings left over after cutting the upper track are also available.

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD						
FD 35EV	UPPER TRACK: STANDARD (Surface mount)	 	<p>This surface mount upper track has a rail width of 20 mm.</p> <p>•Material Aluminium alloy</p> <p>•Finish Silver: Silver anodised + coating/clear Amber: Amber anodised + coating/clear White: Anodised + coating/white</p> <p>Recommended Screw Size 3.5 x 25 cross-recessed flat head tapping screws</p>	Silver	Length 1820 mm	250-033-816 FD35EV-TRM1820-SL	-				
					Length 2000 mm	250-035-929 FD35EV-TRM2000-SL	-				
					Length 2730 mm	250-033-817 FD35EV-TRM2730-SL	-				
					Length 3000 mm	250-035-930 FD35EV-TRM3000-SL	-				
					Length 3640 mm	250-033-818 FD35EV-TRM3640-SL	-				
					Length 4000 mm	250-035-931 FD35EV-TRM4000-SL	-				
					Amber	Length 1820 mm	250-033-819 FD35EV-TRM1820-UM	-			
						Length 2000 mm	250-035-932 FD35EV-TRM2000-UM	-			
						Length 2730 mm	250-033-820 FD35EV-TRM2730-UM	-			
						Length 3000 mm	250-035-933 FD35EV-TRM3000-UM	-			
						Length 3640 mm	250-033-821 FD35EV-TRM3640-UM	-			
						Length 4000 mm	250-035-934 FD35EV-TRM4000-UM	-			
					White	Length 1820 mm	250-033-822 FD35EV-TRM1820-WT	-			
						Length 2730 mm	250-033-823 FD35EV-TRM2730-WT	-			
						Length 3640 mm	250-033-824 FD35EV-TRM3640-WT	-			
					UPPER TRACK: STANDARD (Recessed mount)	 	<p>This recessed upper track has a rail width of 20 mm.</p> <p>•Material Aluminium alloy</p> <p>•Finish Silver: Silver anodised + coating/clear Amber: Amber anodised + coating/clear White: Anodised + coating/white</p> <p>Recommended Screw Size 3.5 x 25 cross-recessed flat head tapping screws</p>	Silver	Length 1820 mm	250-033-834 FD35EV-TRH1820-SL	-
									Length 2000 mm	250-035-941 FD35EV-TRH2000-SL	-
									Length 2730 mm	250-033-835 FD35EV-TRH2730-SL	-
				Length 3000 mm					250-035-942 FD35EV-TRH3000-SL	-	
				Length 3640 mm					250-033-836 FD35EV-TRH3640-SL	-	
				Length 4000 mm					250-035-943 FD35EV-TRH4000-SL	-	
				Amber					Length 1820 mm	250-033-837 FD35EV-TRH1820-UM	-
									Length 2000 mm	250-035-944 FD35EV-TRH2000-UM	-
									Length 2730 mm	250-033-838 FD35EV-TRH2730-UM	-
									Length 3000 mm	250-035-945 FD35EV-TRH3000-UM	-
									Length 3640 mm	250-033-839 FD35EV-TRH3640-UM	-
									Length 4000 mm	250-035-946 FD35EV-TRH4000-UM	-
				White					Length 1820 mm	250-033-840 FD35EV-TRH1820-WT	-
									Length 2730 mm	250-033-841 FD35EV-TRH2730-WT	-
									Length 3640 mm	250-033-842 FD35EV-TRH3640-WT	-

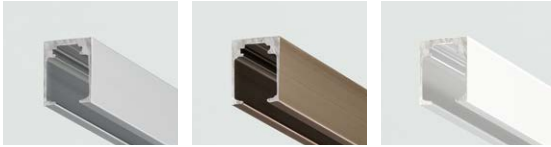
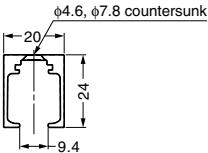
OUTSET UPPER TRACK

A side cover to cover the end of the top rail and a cleaner to remove shavings left over after cutting the upper track are also available.

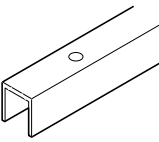
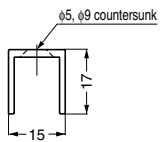
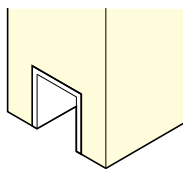
Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD	
FD 35EV	OUTSET UPPER TRACK   Hole pitch: 300 mm Pitch end: 10 mm	*Material Aluminium alloy * Finish: Silver anodised + coating/ clear Included screws Size 4 x 40 cross-recessed flat head tapping screws *Material Aluminium alloy * Finish: Amber anodised + coating/clear Included screws Size 4 x 40 cross-recessed flat head tapping screws (antique copper finish) *Material Aluminium alloy * Finish: Anodised + coating/white Included screws Size 4 x 40 cross-recessed flat head tapping screws (flat head: coating/white)	Silver	Length 2120 mm	250-041-957 FD35EV-TRA2120-SL	
				Length 2420 mm	250-041-960 FD35EV-TRA2420-SL	
				Length 2720 mm	250-041-963 FD35EV-TRA2720-SL	
			Amber	Length 2120 mm	250-041-958 FD35EV-TRA2120-UM	
				Length 2420 mm	250-041-961 FD35EV-TRA2420-UM	
				Length 2720 mm	250-041-964 FD35EV-TRA2720-UM	
			White	Length 2120 mm	250-041-959 FD35EV-TRA2120-WT	
				Length 2420 mm	250-041-962 FD35EV-TRA2420-WT	
				Length 2720 mm	250-041-965 FD35EV-TRA2720-WT	

POCKET DOOR UPPER TRACK

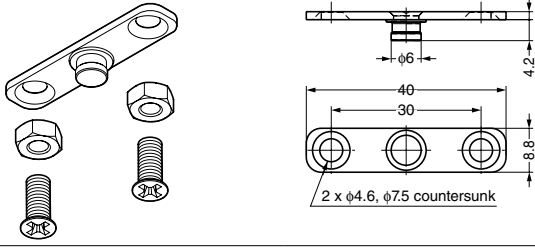

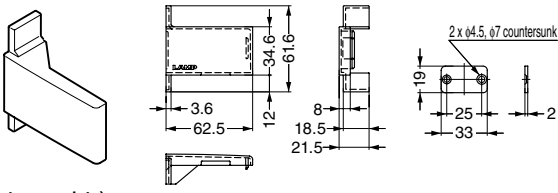

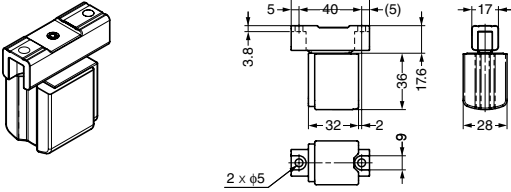

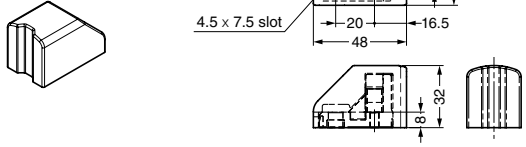

A cleaner to remove shavings left over after cutting the upper track is also available.

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD	
FD 35EV	POCKET DOOR UPPER TRACK (Surface mount)   See the Pocket Door Upper Track Dimensions for details such as the hole size.	*Material Aluminium alloy *Finish Silver anodised + coating/clear Included screws Size 3.5 x 25 cross-recessed flat head tapping screws (chromate finish (trivalent)) *Material Aluminium alloy *Finish Amber anodised + coating/clear Included screws Size 3.5 x 25 cross-recessed flat head tapping screws (antique copper finish) *Material Aluminium alloy *Finish Anodised + coating/white Included screws Size 3.5 x 25 cross-recessed flat head tapping screws (flat head: coating/white)	Silver	Length 860 mm	250-035-283 FD30-35EV-TRMP860-SL	-
				Length 1260 mm	250-035-284 FD30-35EV-TRMP1260-SL	-
				Length 1860 mm	250-035-285 FD30-35EV-TRMP1860-SL	-
				Length 2760 mm	250-035-286 FD30-35EV-TRMP2760-SL	-
				Length 3960 mm	250-035-287 FD30-35EV-TRMP3960-SL	-
				Amber	Length 860 mm	250-035-288 FD30-35EV-TRMP860-UM
			Length 1260 mm		250-035-289 FD30-35EV-TRMP1260-UM	-
			Length 1860 mm		250-035-290 FD30-35EV-TRMP1860-UM	-
			Length 2760 mm		250-035-291 FD30-35EV-TRMP2760-UM	-
			Length 3960 mm		250-035-292 FD30-35EV-TRMP3960-UM	-
			White		Length 860 mm	250-035-293 FD30-35EV-TRMP860-WT
				Length 1260 mm	250-035-294 FD30-35EV-TRMP1260-WT	-
				Length 1860 mm	250-035-295 FD30-35EV-TRMP1860-WT	-
				Length 2760 mm	250-035-296 FD30-35EV-TRMP2760-WT	-
				Length 3960 mm	250-035-297 FD30-35EV-TRMP3960-WT	-

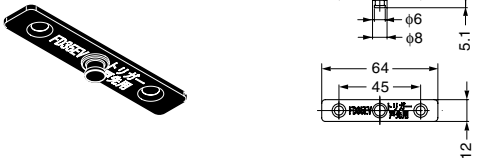
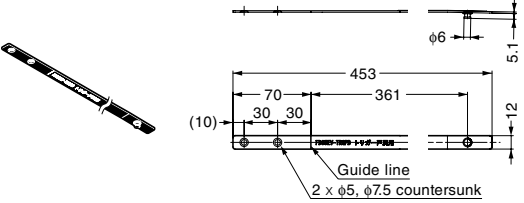
RECOMMENDED OPTIONS

Compatible Products	Name	Dimensions	Mounting Example	Specifications	Item Code Item Name	CAD	
FD 35EV	EMBEDDED LOWER GUIDE RAIL   For all products in the FD Series.			Recessed rail * Material: Aluminium alloy * Finish: Silver anodised + coating /clear	Length 1000 mm	250-021-996 FD30-HBRT1000SIL	
					Length 1500 mm	250-019-971 FD30-HBRT1500SIL	

OUTSET PARTS

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD	
FD 35EV	OUTSET TRIGGER		<p>The retrofit trigger included with the Two-Way Soft Close includes installation screws and nuts for the Outset Upper Track.</p> <ul style="list-style-type: none"> Material: Steel Finish: Coloured chromate finish (trivalent) <p>Trigger (2 pcs) Included: Size 4 x 10 cross-recessed flat head screws (flat head $\phi 6$) (2 pcs) Hex M4 nuts (4 pcs)</p>	250-041-954 FD35EV-TRA-TRG		
	SIDE COVER (for Outset Track) PAT (with stopper plate)		<p>OUTSET TRACK COVER</p> <ul style="list-style-type: none"> Material: Steel/ABS resin Finish/Colour: Chromate finish/grey, brown, white <p>Included screws: Size 4 x 25 cross-recessed flat head S-Tite screws (flat head $\phi 6$) (4 pcs)</p>	<p>Grey (1 each on left and right)</p> <p>Brown (1 each on left and right)</p> <p>White (1 each on left and right)</p>	250-022-273 FD30-HASC-GR	
	DOOR STOPPER (for Upper Track)		<p>A door stopper that can be installed on the upper track. See the Stacking Dimensions if using an upper track other than the Outset Upper Track.</p> <ul style="list-style-type: none"> Material: Zinc alloy/elastomer Finish/colour: Silver coating/grey <p>Included: Size 4 x 25 cross-recessed pan head tapping screws (2 pcs) Size M4 x 16 cross-recessed pan head screws (2 pcs) Size M4 hex nuts (2 pcs)</p>	250-041-955 FD35EV-TRA-STP		
	DOOR STOPPER (Floor Mount)		<p>A floor mounting door stopper for doors that do not touch the top frame.</p> <ul style="list-style-type: none"> Material: Zinc alloy (ZDC)/elastomer Finish/colour: Coloured chromate finish (trivalent)/grey <p>Included screws: Size 4 x 30 cross-recessed pan head tapping screws (3 pcs)</p>	250-041-956 FD35EV-FSTP		

POCKET DOOR PARTS

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD
FD 35EV	POCKET DOOR TRIGGER (for leading edge)		<p>A trigger for the leading edge of the pocket door.</p> <ul style="list-style-type: none"> Material: Steel Finish: Black chromate finish (trivalent) <p>Included screws: Size 4 x 30 cross-recessed flat head tapping screws (countersunk head diameter 6, black chromate finish (trivalent)) (2 pcs)</p>	250-035-299 FD35EV-TRGPF	-
	POCKET DOOR TRIGGER (for trailing edge)		<p>A trigger for the trailing edge of the pocket door.</p> <ul style="list-style-type: none"> Material: Steel Finish: Black chromate finish (trivalent) <p>Included screws: Size 4 x 30 cross-recessed flat head tapping screws (countersunk head diameter 6, black chromate finish (trivalent)) (2 pcs)</p>	250-035-298 FD35EV-TRGPB	-

OPTIONAL ITEMS

Compatible Products	Name	Dimensions	Mounting Example	Specifications	Item Code Item Name	CAD	
FD 35EV	UPPER ROLLER COVER CAP			<p>A cover cap for the upper roller.</p> <ul style="list-style-type: none"> Material: Polypropylene (PP) Colours: White, light brown, dark brown 	<p>White</p> <p>250-020-777 FD50-WRH-CP-WT</p> <p>Light brown</p> <p>250-020-775 FD50-WRH-CP-LBR</p> <p>Dark brown</p> <p>250-020-776 FD50-WRH-CP-DBR</p>	-	
	*This optional part can also be used for FD50.						
	SPACER BLOCK			<p>Ideal for sliding doors with a 90° outer corner storage. Can be used with the Two-Way Soft Close (recessed type) if the upper track is recessed in the upper frame. Cannot be used with the Pocket Door Upper Track. See the Outer Corner Spacer Block for an illustration of the storage and details on the installation method.</p> <ul style="list-style-type: none"> Main material: Zinc alloy/polyurethane (PUR) Finish: Coloured chromate finish (trivalent) Included screws Size 4.5 x 40 cross-recessed pan head tapping screw (1 pc) 	<p>250-041-235 FD35EV-HSPB</p>		
	DOOR STOPPER (FLOOR MOUNT)			<p>A floor mounting door stopper for doors that do not touch the top frame.</p> <ul style="list-style-type: none"> Material: Zinc alloy/rubber Finish: Silver painting/black Included screws Size 4 x 30 cross-recessed binding head tapping screw (3 pcs) 	<p>250-018-497 FD30-HTKY</p>		
	*This optional part can also be used for FD30.						
	CLEANER FOR UPPER TRACK			<p>A brush for cleaning debris from the FD35EV upper track, such as shavings left over after cutting.</p> <ul style="list-style-type: none"> Material: Polypropylene (PP)/polyamide (PA) Colour: Orange 	<p>250-025-992 FD30-TRC</p>	-	
*This optional part can also be used for FD30.							
END PLATE FOR UPPER TRACK			<p>A cover to conceal the end of the FD35EV upper track.</p> <ul style="list-style-type: none"> Material: Steel (SECC) Finish: Baked acrylic finish Included screws Size 3.5 x 20 cross-recessed pan head tapping screws Caution: Cannot be used with the Pocket Door Upper Track as the cross-sectional dimensions are different. 	<p>Silver</p> <p>250-036-278 FD35EV-TREP-SL</p> <p>Amber</p> <p>250-036-279 FD35EV-TREP-UM</p> <p>White</p> <p>250-036-280 FD35EV-TREP-WT</p>	-		

TOP MOUNTED SLIDING DOOR (TWO-WAY SOFT CLOSE TYPE/OUTSET/RECESSED UPPER ROLLER)

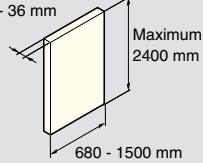
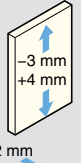
Under Development

INSTRUCTION

FD50-H

This two-way soft closing sliding door closes and fully opens softly and quietly. Can be retrofitted to the top wall of entrances.

Passed 200,000 open/ close cycles in private test

Features	Door Size (per door)	Adjustment
<p>Two-Way Soft Close (both directions)</p> <p>With Sequential Double Damper (2 stages)</p>	<p>30 - 36 mm</p>  <p>Maximum 2400 mm</p> <p>Weight: Maximum 50kg 25 kg or more recommended</p> <p>680 - 1500 mm</p>	 <p>-3 mm +4 mm</p> <p>±2 mm</p>

Soft closing starts at approx. 115 mm for reliable operation

2-Stage

Soft opening With Sequential Double Damper in two stages enables **less force** to be used when opening too.

Remarks

- Be sure to read the precautions for this product.
- Be sure to read the installation.

2-Stage

Damper in the opening direction slows down

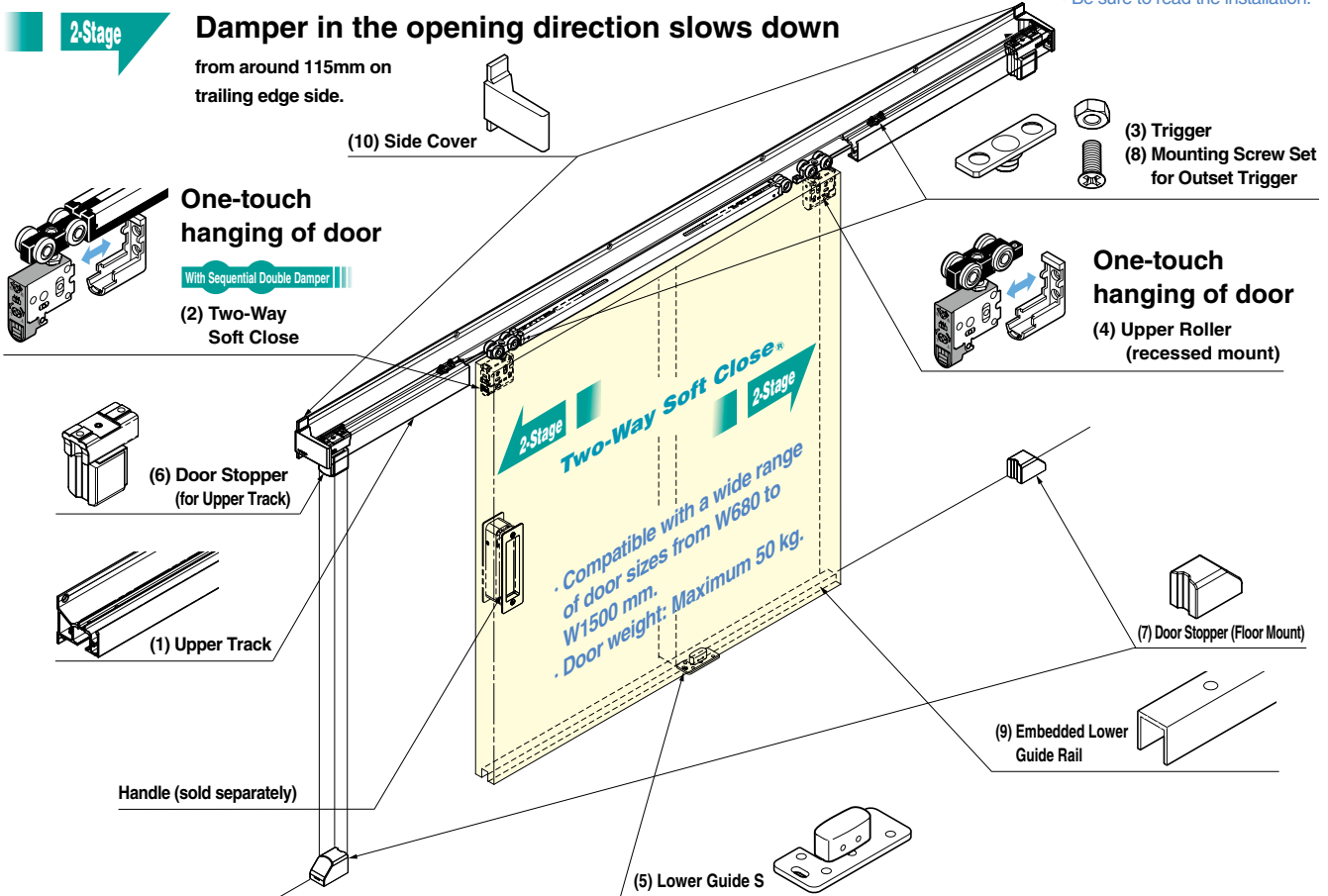
from around 115mm on trailing edge side.

One-touch hanging of door

With Sequential Double Damper
(2) Two-Way Soft Close

One-touch hanging of door

(4) Upper Roller (recessed mount)



Standard part list

See "Type of Outset Upper Track" for details on the type of upper track used for (1).

	Necessary Parts										Necessary Parts (Select Colour)
Parts	(1) Upper Track	(2) Two-Way Soft Close*1	(3) Trigger	(4) Upper Roller (recessed mount)	(5) Lower Guide S	(6) Door Stopper (for Upper Track)	(7) Door Stopper (Floor Mount)	(8) Mounting Screw Set for Outset Trigger (4 pcs)	(9) Embedded Lower Guide Rail	(10) Side Cover	
Item Code		250-020-764	Included with Two-Way Soft Close	250-020-765	250-020-773	250-041-968	250-041-956	250-041-967	250-019-971		
Item Name		FD50-WRH-DSC		FD50-WRH	FD50-BG18	FD50-TRA-STP	FD35EV-FSTP	FD50-TRA-TRGN	FD30-HBRT1500SIL		
Two-Way Soft Close Type	Length 2120 mm x 1 pc	1 pc	2 pcs	1 pc	1 pc	2 pcs	2 pcs	1Set	1 pc		1 set (Grey) 250-041-969 FD50-HASC-GR 1 set (Brown) 250-041-970 FD50-HASC-BR 1 set (White) 250-041-971 FD50-HASC-WT
		Set of necessary parts for sliding doors				Item Code: 250-041-966 Item Name: FD50DHCP-AK					

*1 Includes Trigger and Trigger Installation Jig. Can also be purchased separately.

Soft Close Recessed Roller
FD30 EVOLVED

NEW

FD30EX



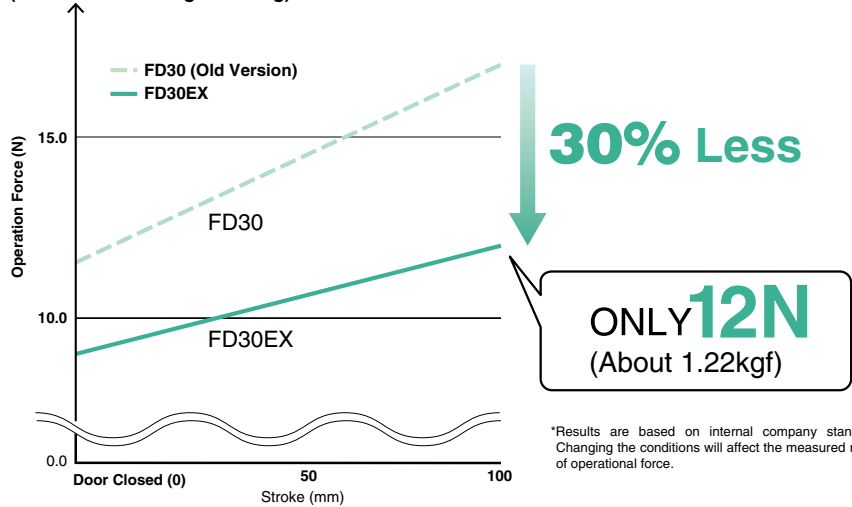
Soft Close Sliding Door
Safer Spaces for Families

Soft Close

Point 1 / Smoother and Lighter Operation

Now requires 30% less force to open due to improvements in the soft-close mechanism. (Graph on right)
 The soft-close mechanism range has been extended to 100mm, for a more gentle close, making operation delightfully smooth.

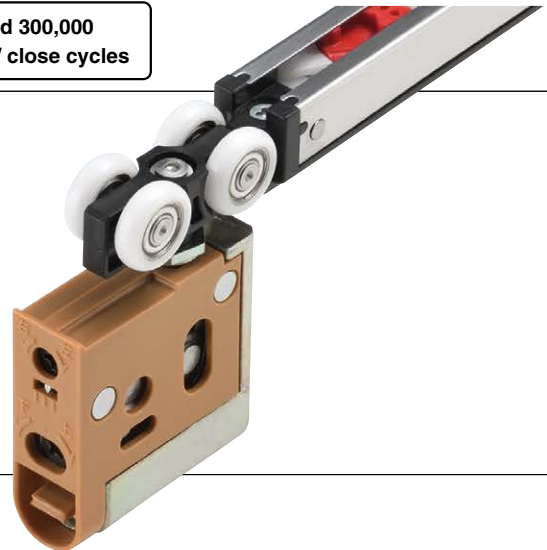
Sliding Door Closer Operational Force Comparison
 (Based on door weight of 30kg)



Point 2 / Reliable, Durable, Long Lasting

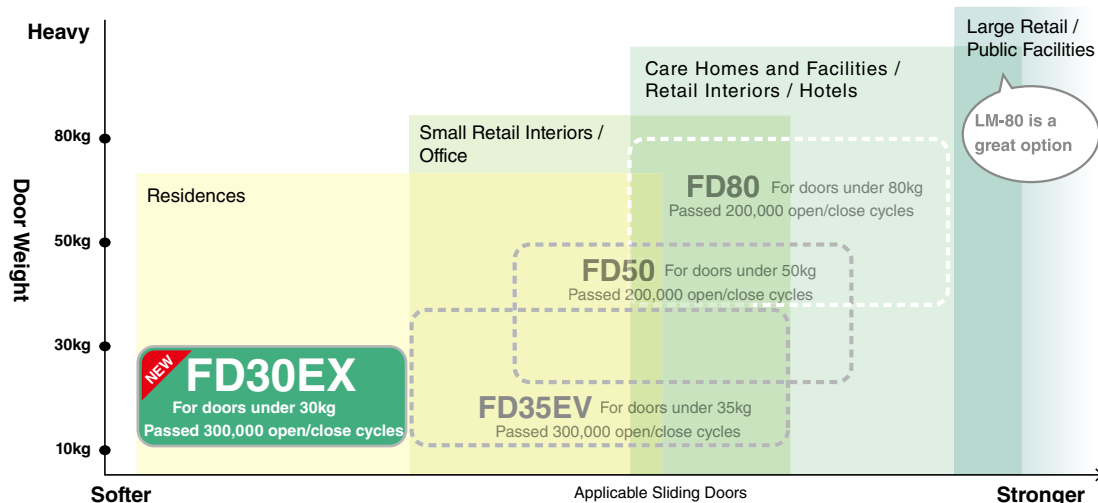
Passed 300,000 open / close cycles

The soft closing mechanism was completely rebuilt, improving all of the weaker areas.
 Redesigned based on the high strength FD model soft close mechanism for hotels and public facilities, the new model is far stronger than before.
 It has also been tested and proven resistant to damage from shocks and sudden impacts.



Point 3 / Safer 100mm Soft Close Mechanism

The soft close mechanism has 100mm long stroke, making for a safer design that protects fingers from getting pinched.



*Please make sure the door is within the specifications.
 *The applications listed here are based on previous applications. They are not a guarantee of effectiveness.
 *The cycle tests were performed according to internal company standards. They are not a guaranteed number.
 *For hospitals and multi-purpose toilets that will have entry hundreds of times a day by different people, please consider using LM-80.



STACKABLE PARTITION DOOR SYSTEM

INSTRUCTION

FDPN40

CLOSE

Living room + bedroom



OPEN

Spacious living room

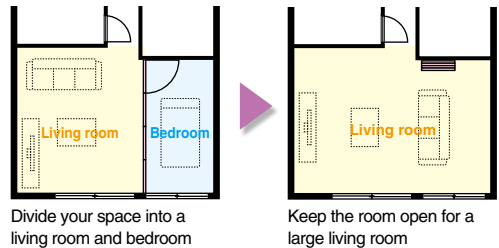


3-panel perpendicular left-stacking type

ARCHITECTURAL DOOR HARDWARE

Smooth movements and numerous variations,

now, with even more arrangement options



With this new flat stackable partition door system, there is even more freedom available to rearrange interiors and better suit different lifestyles and settings.

The corner rail has a new design, making movement smoother and enabling many new possibilities.



	Parallel Stacking Single Partition	Parallel Stacking Double Partitions	Perpendicular Stacking Single Partition	Perpendicular Stacking Double partitions
Door Height	Maximum 2500 mm			
Door Width	See the page for each product			
Door Thickness	34 - 40 mm			
Door weight	Maximum 40 kg (per door)			
Adjustment Range	Vertical: 0 to +7 mm			
No. of Doors	3 to 6 panels			

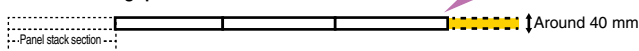
Sits as flat as the wall, keeps interiors looking clean

Partitions using conventional sliding doors



Partitioning with Stackable Partition Door System

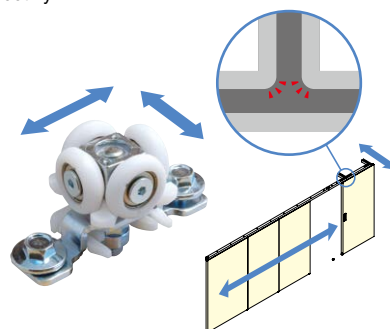
Parallel Stacking Specifications



Unlike a sliding door, which takes up the space of the total panels, the panels sit flat together, making them space-efficient and user-friendly. Choose from parallel stacking or perpendicular stacking.

Redesigned for even smoother movement

2X2 quad rollers and new rounded corner rail enable even smoother opening, closing and stacking. Even large panels up to 40 kg can be operated smoothly.



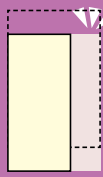
FDPN40 STACKABLE PARTITION DOOR SYSTEM

Choose from numerous variations

Compatible with even wider spaces
As many as 5 to 6 panels can be used*



*Compared to 3 to 4 for conventional products



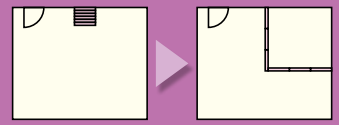
Recommended as a way to save space in residences

Enables more usable area and requires less space for storage

(See below)

Can be used with narrow panels as well

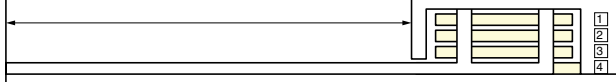
Enables partitioning of corners
Double Partition



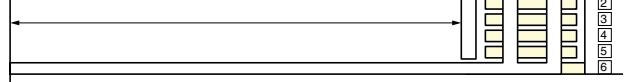
	Single Partition	Double Partition
Parallel Stacking		
Perpendicular Stacking		

With the FDPN40,

With a standard stackable partition door system,
the wall space is very limited...



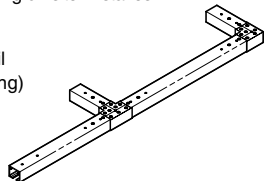
add narrower panels, so even if the frontage is the same, more wall space is available!



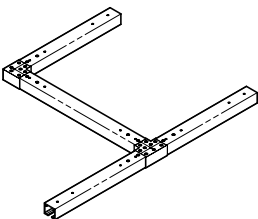
Easy to install Preassembled perpendicular rail

The stacking rail has a perpendicular structure, enabling easy recession into the ceiling to aid in the installation process. This product is shipped fully assembled, eliminating the need for machining on site and also preventing on site mistakes.

Parallel Stacking Rail (right stacking)

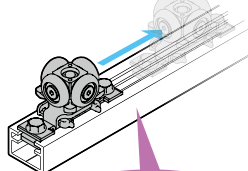
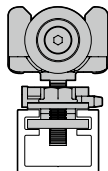


Perpendicular Stacking Rail (right stacking)

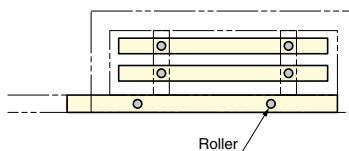


Installation length is adjustable

The distance between the rollers can be adjusted using the hanging bracket. Using this, the product can be adjusted for use with panels of different widths. This method can be used to correct roller malfunctions and malfunctions in stacking that occur post installation.



Upper roller moves inside hanging bracket



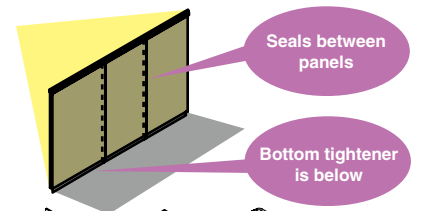
Roller

Optional soundproofing and light pollution protection

Optional parts to increase protection against light and sound pollution are also available. Improves the partitions function as a wall. The panels are secured with flush bolts, seals are placed between the panels and bottom tighteners are applied to block the gaps between the panels and the floor.

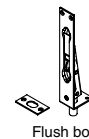
Optional parts are also available for entrances and exits. See the pages for each product for details.

Note: There will be a slight gap between the upper track and the door.



Seals between panels

Bottom tightener is below



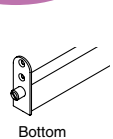
Flush bolt



Seal



Seal guide rail



Bottom tightener

STACKABLE PARTITION DOOR SYSTEM (PARALLEL STACKING SINGLE PARTITION)

INSTRUCTION

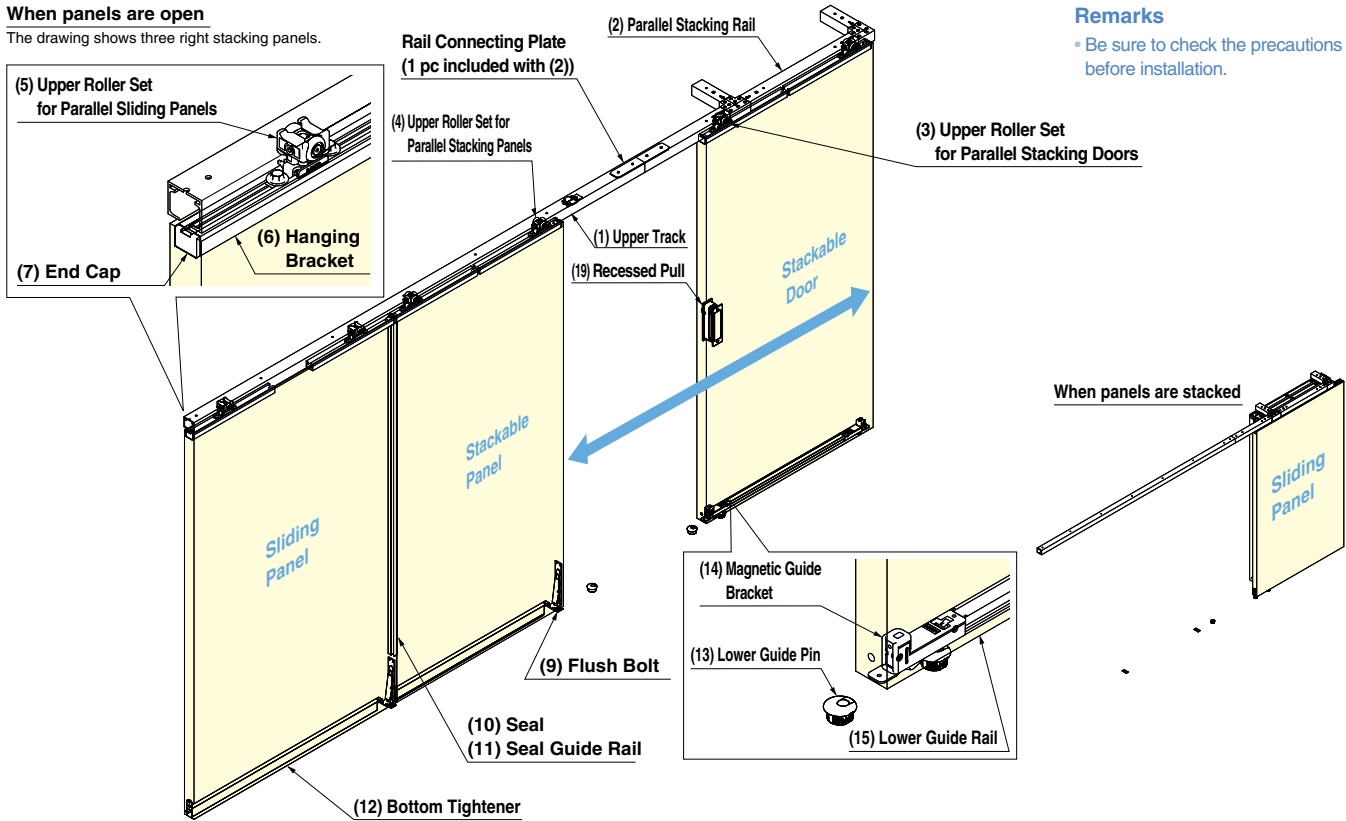
FDPN40P1D

A sliding partition door system that sits as flat as the wall. Simply sliding the panels open or closed can change the layout of an interior. The panels slide with reliable smoothness. Parallel stacking single panel type. The panels fit parallel when stacked.

Panel Size (Per Panel)	Adjustment
<p>34 - 40 mm Maximum 2500 mm</p>	<p>Weight: Maximum 40 kg</p> <p>Stacking panels and sliding doors: 500 - 1000 mm Sliding panels: 500 - 1300 mm</p>

When panels are open

The drawing shows three right stacking panels.

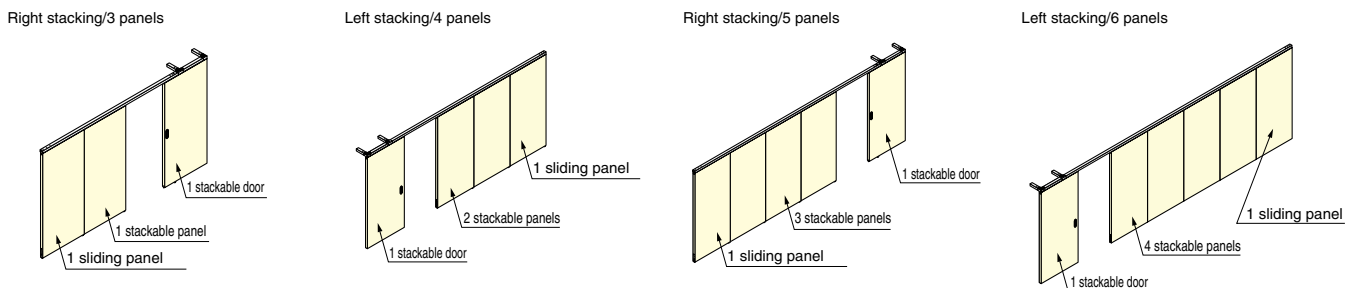


ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

Finished Example

See Stacking Variations for other types of stacking. You'll also find an explanation of left stacking and right stacking.

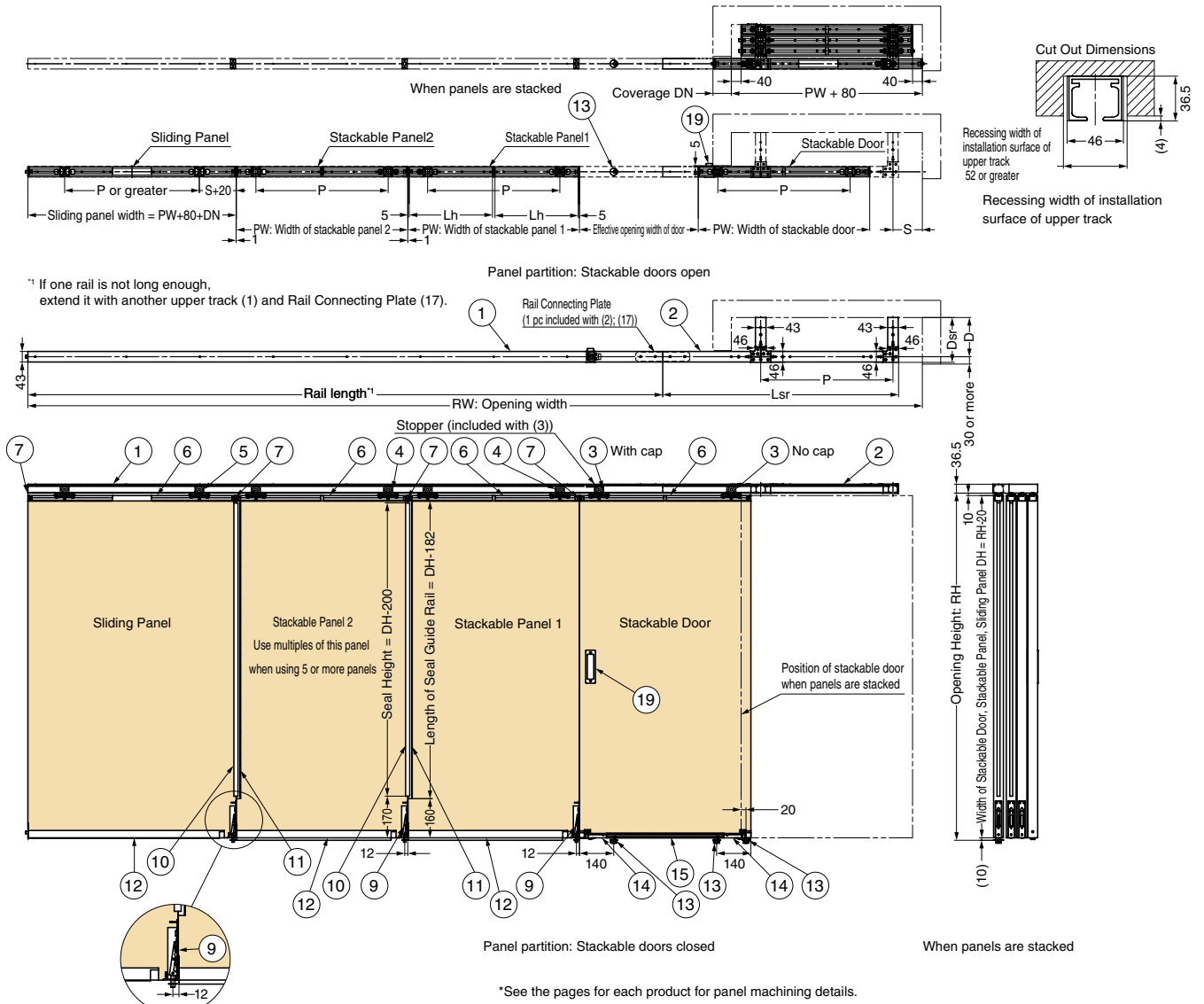


Standard Part List

Parts Number of Panels	Stacking Type	Necessary Parts (Selectable)		Necessary Parts						
		(1) Upper Track	(2) Parallel Stacking Rail Rail Connecting Plate 1 pc	(3) Upper Roller Set for Parallel Stacking Door With cap No cap Stopper	(4) Upper Roller Set for Parallel Stacking Panels	(5) Upper Roller Set for Parallel Sliding Panels	(6) Hanging Bracket 2 pcs	(7) End Cap for Hanging Bracket The part set is black. White is also available.	(8) Adjustment Spanner (for Upper Roller Set)	
Item Code				250-037-219	250-037-220	250-037-221	FDP40-DTR	250-121-142	250-017-168	
Item Name				FDPN40P-QRF-ST	FDPN40P-QRF	FDPN40P-QRL		FD70B-EC-BL	FD30-FSP	
3 pcs	Left Storage/ Right Storage	See "How to Select" for details on the necessary quantity and types.								
4 pcs		In addition to choosing between left and right stacking for the upper track and stacking rail,								
5 pcs		there is a variety of lengths and depths,								
6 pcs		and different products should be chosen depending on the width and number of panels.								



Sample Stacking Dimensions The drawing shows four right stacking panels.



ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

No. of Panels	Door Width			Storage Rail Dimensions				Hanging Bracket Dimensions
	Sliding Panel	Stackable Panel	Stackable Door	P	D	Dsr	Lsr	Lh
3 - 4	500 - 700			340	160	183	623	240
	700 - 1300				540			
5 - 6	700 - 1000			540	260	283	823	340

*Parts such as the stacking rail and hanging bracket differ depending on the number and width of panels. See "How to Select" for details.

Optional Parts

Parts Number of Panels	Optional Items										
	(9) Flush Bolt	(10) Seal (Black)	(11) Seal Guide Rail (Black)	(12) Bottom Tightener (Door Width 600-800)	(13) Lower Guide Pin (Light Grey)	(14) Magnetic Guide Bracket (2 pcs)	(15) Lower Guide Rail	(16) Adjustment Spanner (for Lower Guide Pin)	(17) Rail Connecting Plate	(18) End Plate for Upper Track and Stacking Rail (Silver)	(19) Recessed Pull (Chrome Plating)
3 pcs	2 pcs	1 pc	1 pc	2 pcs	3 pcs	1set	1 pc	-	-	-	1 pc
4 pcs	3 pcs	2 pcs	2 pcs	3 pcs							
5 pcs	4 pcs	3 pcs	3 pcs	4 pcs				1 pc			
6 pcs	5 pcs	4 pcs	4 pcs	5 pcs							

STACKABLE PARTITION DOOR SYSTEM (PARALLEL STACKING DOUBLE PARTITION)

INSTRUCTION

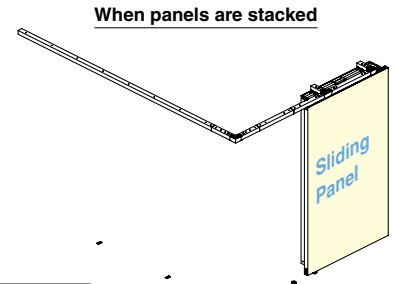
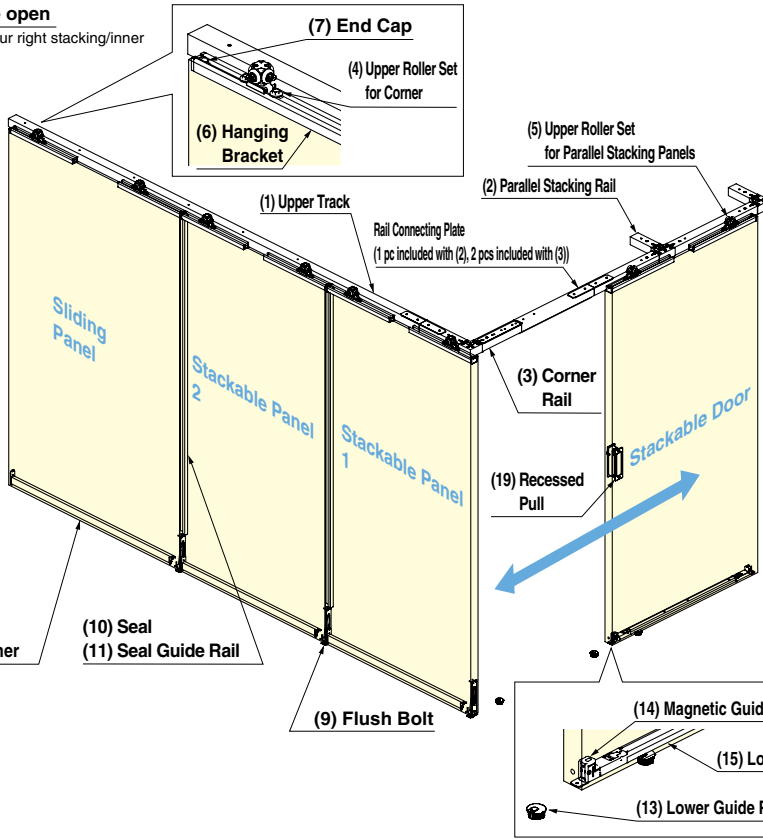
FDPN40P2D

A sliding partition door system that sits as flat as the wall. Simply sliding the panels open or closed can change the layout of an interior. The panels slide with reliable smoothness. Parallel stacking double panel type enabling corner partitioning. The panels fit parallel when stacked.

Panel Size (Per Panel)	Adjustment
<p>34 - 40 mm Maximum 2500 mm</p> <p>Stacking panels and sliding doors: 500 - 900 mm Sliding panels: 500 - 1100 mm</p>	<p>Weight: Maximum 40 kg</p> <p>-0 mm +7 mm</p>

When panels are open
The drawing shows four right stacking/inner stacking panels.

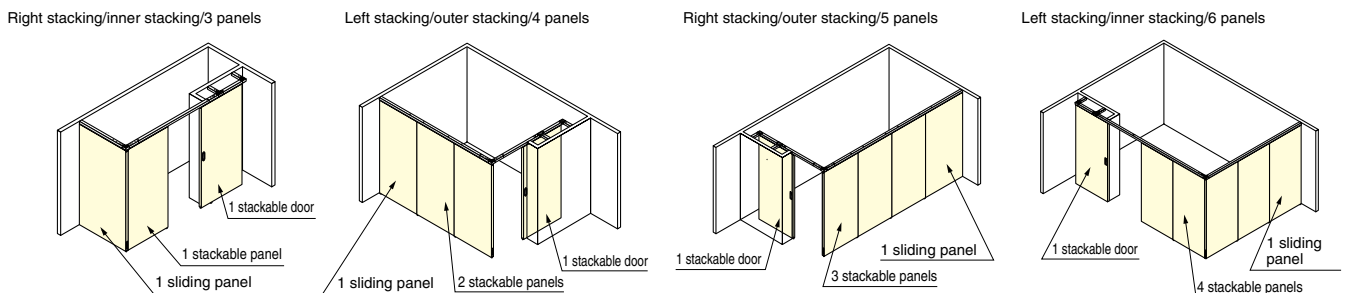
Remarks
• Be sure to check the precautions before installation.



ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

Installation Example See Stacking Variations for other types of stacking. You'll also find an explanation of left stacking, right stacking, inner stacking and outer stacking.

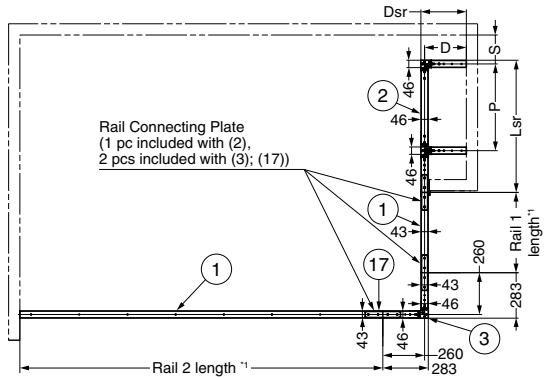


Standard Part List

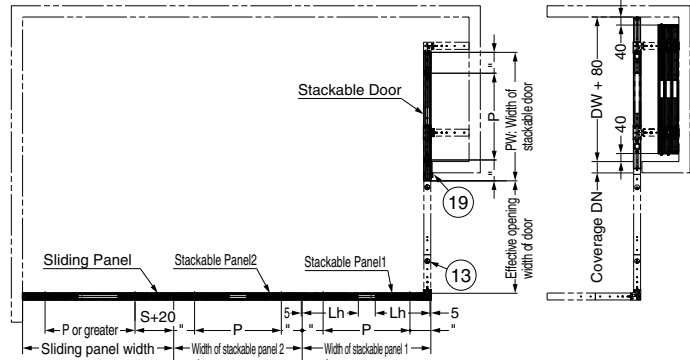
Parts Number of Panels	Stacking Type	Necessary Parts (Selectable)			Necessary Parts					
		(1) Upper Track	(2) Parallel Stacking Rail Rail Connecting Plate 1 pc	(3) Corner Rail Rail Connecting Plate 2 pcs	(4) Upper Roller Set for Corner With cap No cap	(5) Upper Roller Set for Parallel Stacking Panels	(6) Hanging Bracket 2 pcs	(7) End Cap for Hanging Bracket The part set is black. White is also available.	(8) Adjustment Spanner (for Upper Roller Set)	
Item Code					250-037-223	250-037-220	FDP40-DTR	250-121-142	250-017-168	
Item Name					FDPN40-QRC	FDPN40P-QRF		FD70B-EC-BL	FD30-FSP	
3 pcs	Left Storage/ Right Storage	See "How to Select" for details on the necessary quantity and types.								
4 pcs		In addition to choosing between left and right stacking for the upper track and stacking rail,								
5 pcs		there is a variety of lengths and depths,								
6 pcs		and different products should be chosen depending on the width and number of panels.								



Sample Stacking Dimensions The drawing shows four left stacking/outer stacking panels.

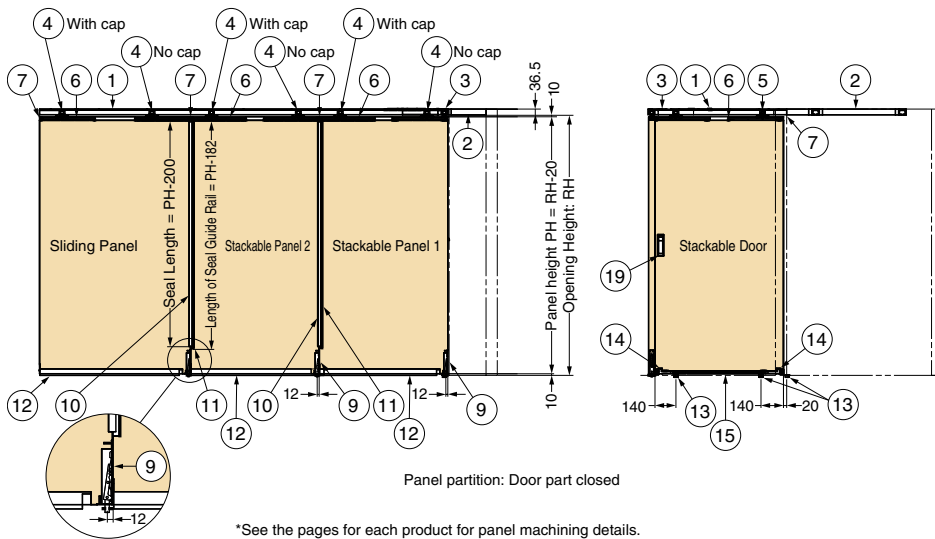


*1 If one rail is not long enough, extend it with another upper track (1) and Rail Connecting Plate (17).



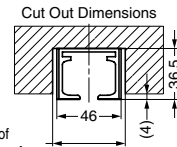
Panel partition: Door part open

When panels are stacked



Panel partition: Door part closed

*See the pages for each product for panel machining details.



Recessing width of installation surface of upper track 52 or greater

Recessing width of installation surface of upper track

No. of Panels	Door Width			Storage Rail Dimensions				Hanging Bracket Dimensions
	Sliding Panel	Stackable Panel	Stackable Door	P	D	Dsr	Lsr	Lh
3 - 4	500 - 700			340	160	183	623	240
	700 - 1100							
5 - 6	700 - 900							

*Parts such as the stacking rail and hanging bracket differ depending on the number and width of panels. See "How to Select" for details.

Optional Parts

Parts	Optional Items										
	(9) Flush Bolt	(10) Seal (Black)	(11) Seal Guide Rail (Black)	(12) Bottom Tightener (Door Width 600-800)	(13) Lower Guide Pin (Light Grey)	(14) Magnetic Guide Bracket (2 pcs)	(15) Lower Guide Rail	(16) Adjustment Spanner (for Lower Guide Pin)	(17) Rail Connecting Plate	(18) End Plate for Upper Track and Stacking Rail (Silver)	(19) Recessed Pull (Chrome Plating)
Number of Panels	White is also available.	White is also available.	A type for door widths of 800-1000 is also available. (Other sizes are made to order.)	Light brown and dark brown are also available.				Dedicated Tool Z059 is also compatible.		Amber and white are also available.	Satin nickel plating and dull chrome plating are also available.
Item Code	250-024-525	250-024-526	250-024-527	250-024-528	250-029-828	250-026-500	250-026-501	250-022-252	250-025-761	250-029-723	100-010-097
Item Name	FDP40-DBL150HL	FDP40-DSP2500BL	FDP40-DSPU2500BL	FDP40-DBT800	FD30-MGFP-LGR	FD30-MGDB	FD30-MGDR1000	FD80-HHSP	FDP40-TRMS-CP	FDP40-TREP-SL	HH-P135CR
3 pcs	2 pcs	0 pc/1 pc*2	0 pc/1 pc*2	2 pcs	3 pcs	1Set	1 pc	-	-	-	1 pc
4 pcs	3 pcs	1 pc/2 pcs*2	1 pc/2 pcs*2	3 pcs							
5 pcs	4 pcs	2 pcs/3 pcs*2	2 pcs/3 pcs*2	4 pcs							
6 pcs	5 pcs	3 pcs/4 pcs*2	3 pcs/4 pcs*2	5 pcs				1 pc			

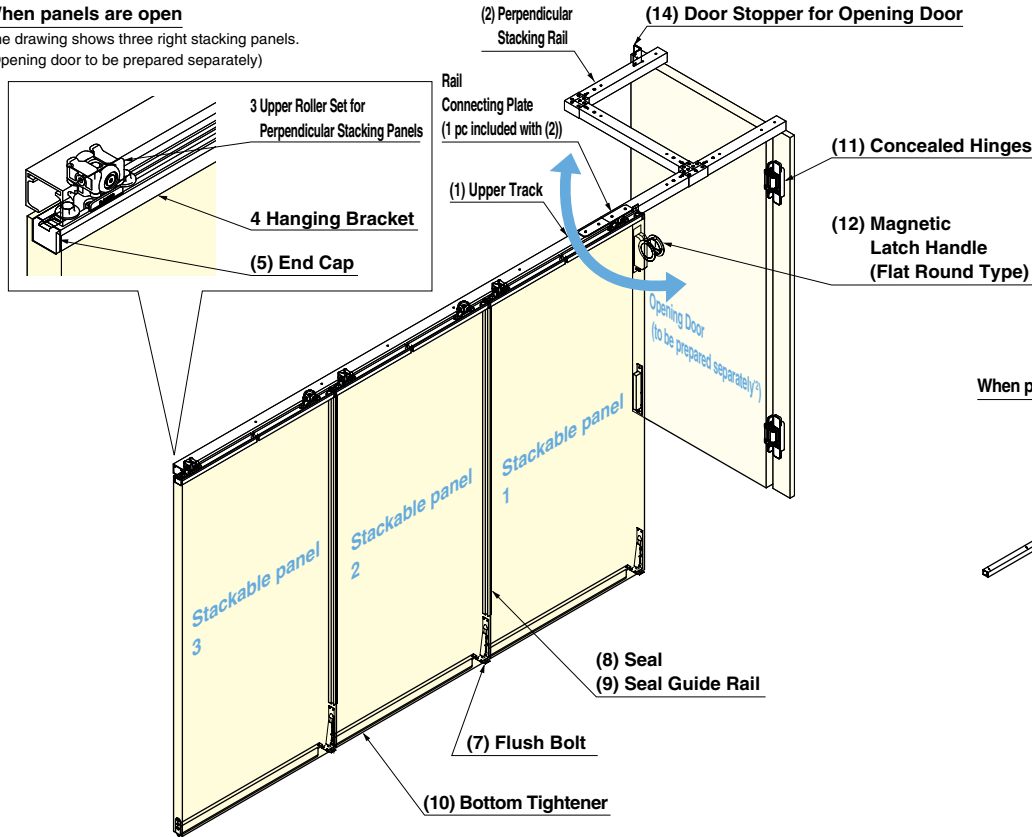
*2 Use the quantity indicated for the right side for A, C, F and J in "How to Select", and the quantity indicated for the left for all other types.

STACKABLE PARTITION DOOR SYSTEM (PERPENDICULAR STACKING SINGLE PARTITION) INSTRUCTION FDPN40V1D

A sliding partition door system that sits as flat as the wall. Simply sliding the panels open or closed can change the layout of an interior. The panels slide with reliable smoothness. Perpendicular stacking single panel type. The panels fit perpendicularly when stacked.

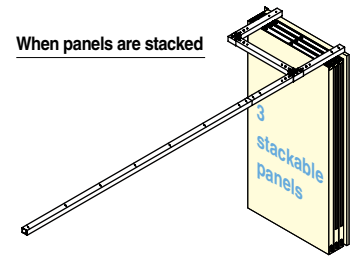
Panel Size (Per Panel)	Adjustment

When panels are open
The drawing shows three right stacking panels. (Opening door to be prepared separately)

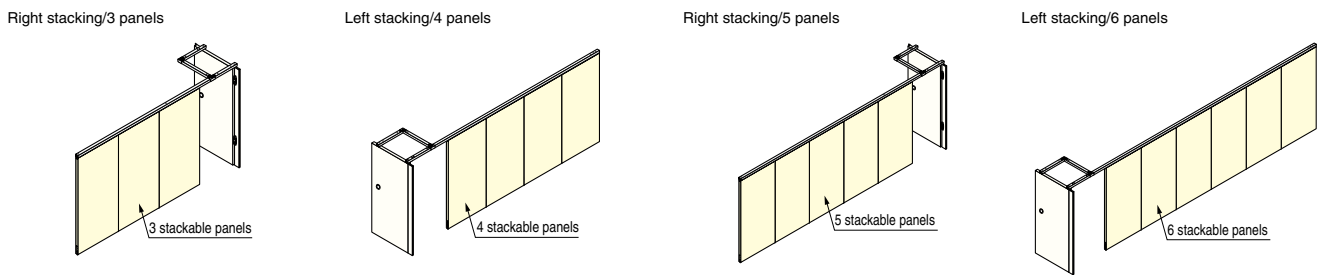


*1 When using the optional part HES3D-V135LGR.

Remarks
• Be sure to check the precautions before installation.



Installation Example See Stacking Variations for other types of stacking. You'll also find an explanation of left stacking and right stacking.



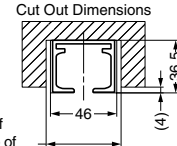
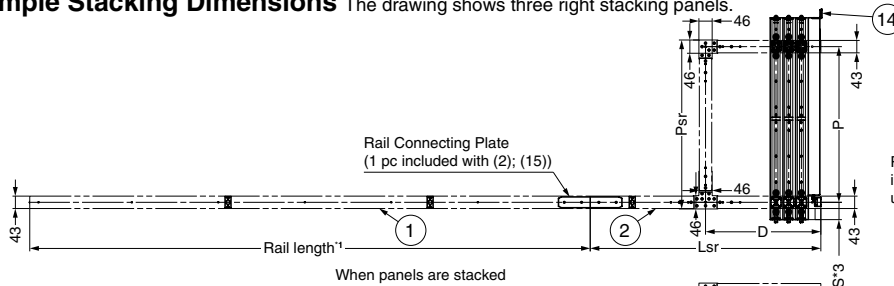
Standard Part List *2 The fixture for the opening door is an optional item. It is not included in the set of parts.

Parts Number of Panels	Stacking Type	Necessary Parts (Selectable)					
		(1) Upper Track	(2) Perpendicular Stacking Rail Rail Connecting Plate 1 pc	(3) Upper Roller Set for Perpendicular Stacking Panels	(4) Hanging Bracket 2 pcs	(5) End Cap for Hanging Bracket	(6) Adjustment Spanner (for Upper Roller Set)
3 pcs	Left Storage/ Right Storage						
4 pcs							
5 pcs							
6 pcs							
<p>See "How to Select" for details on the necessary quantity and types. In addition to choosing between left and right stacking for the upper track and stacking rail, there is a variety of lengths and depths, and different products should be chosen depending on the width and number of panels.</p>							

ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

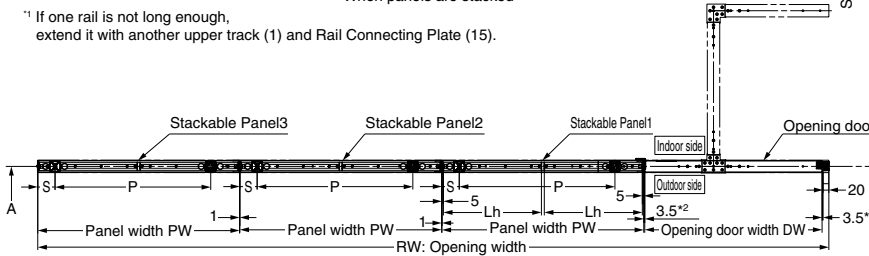
Sample Stacking Dimensions The drawing shows three right stacking panels.



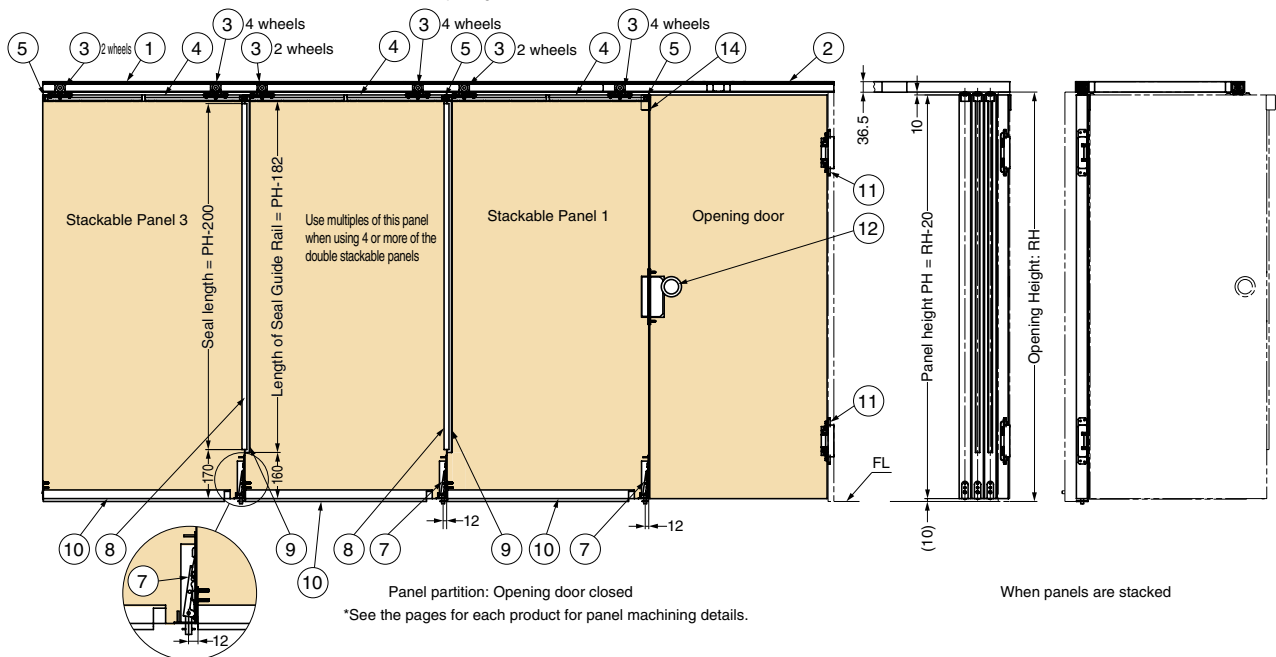
Recessing width of installation surface of upper track 52 or greater

Recessing width of installation surface of upper track

*1 If one rail is not long enough, extend it with another upper track (1) and Rail Connecting Plate (15).



*2 The specifications of the opening door are those applicable when using the HES3D-V135 Concealed Hinges
 * The S dimension is a minimum of 60. This dimension differs as below depending on the panel width. See "How to Select" for details on the stacking rail and hanging bracket.
 · When 500 ~ Panel Width PW ~ 580: S = 60
 · When 580 < Panel Width PW ~ 700: S = PW - 520 (60 is also possible by using the FDP40-DTR340 hanging bracket instead of FDP40-DTR240 and cutting it.)
 · When 700 ~ Panel Width PW ~ 780: S = 60
 · When 780 < Panel Width PW ~ 900: S = PW - 720



*See the pages for each product for panel machining details.

No. of Panels	Width of applicable stackable panel	Storage Rail Dimensions				Hanging Bracket Dimensions
		P	D	Psr	Lsr	Lh
3 - 4	500 - 700	340	400	386	660	240
	700 - 900	540		586		
5 - 6			540		800	340

Optional Parts

*Parts such as the stacking rail and hanging bracket differ depending on the number and width of panels. See "How to Select" for details.

Parts	Optional Items									
	(7) Flush Bolt	(8) Seal (Black) White is also available.	(9) Seal Guide Rail (Black) White is also available.	(10) Bottom Tightener (Door Width 600-800) A type for door widths of 800-1000 is also available. (Other sizes are made to order.)	(11) Concealed Hinge	(12) Magnetic Latch Handle (Flat Round Type)	(13) Magnetic Latch Handle (Flat Square Type)	(14) Door Stopper for Opening Door	(15) Rail Connecting Plate	(16) End Plate for Upper Track and Stacking Rail (Silver) Amber and white are also available.
Number of Panels										
Item Code	250-024-525	250-024-526	250-024-527	250-024-528	170-020-804	260-024-534	260-028-998	250-024-535	250-025-761	250-029-723
Item Name	FDP40-DBL150HL	FDP40-DSP2500BL	FDP40-DSPU2500BL	FDP40-DBT800	HES3D-V135LGR	MLH-SN	MLHS-SN	FDP40V-DTST	FDP40-TRMS-CP	FDP40-TREP-SL
3 pcs	3 pcs	2 pcs	2 pcs	3 pcs	2 - 3 pcs	1 pc	1 pc	1 pc	-	-
4 pcs	4 pcs	3 pcs	3 pcs	4 pcs						
5 pcs	5 pcs	4 pcs	4 pcs	5 pcs						
6 pcs	6 pcs	5 pcs	5 pcs	6 pcs						

STACKABLE PARTITION DOOR SYSTEM (PERPENDICULAR STACKING DOUBLE PARTITION) INSTRUCTION FDPN40V2D

A sliding partition door system that sits as flat as the wall. Simply sliding the panels open or closed can change the layout of an interior. The panels slide with reliable smoothness. Perpendicular stacking double panel type enabling corner partitioning. The panels fit perpendicularly when stacked.

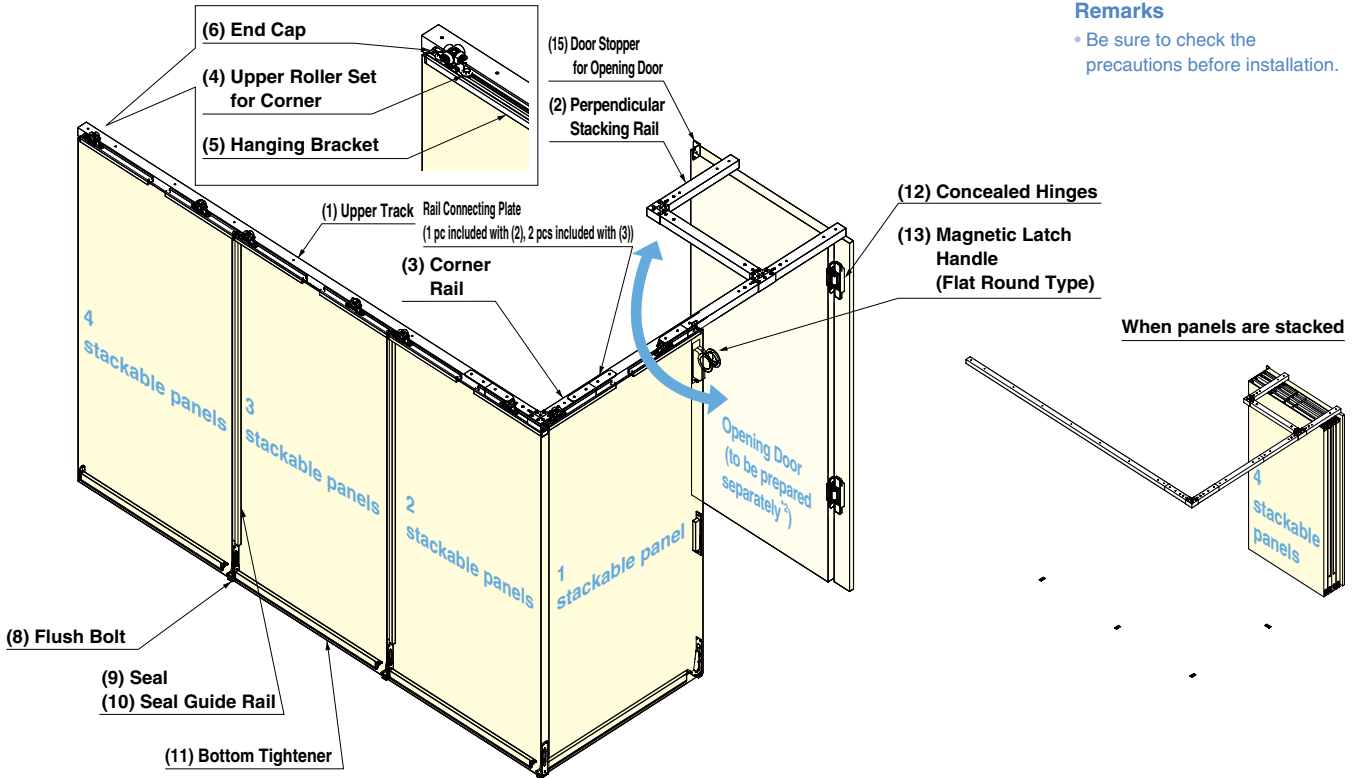
Panel Size (Per Panel)		Adjustment
34 - 40 mm	Maximum 2500 mm	
<p>Opening door: Maximum 900 mm¹⁾ Stackable Panel: 500 - 900 mm</p>		

When panels are open
The drawing shows four right stacking/inner stacking panels. (Opening door to be prepared separately)

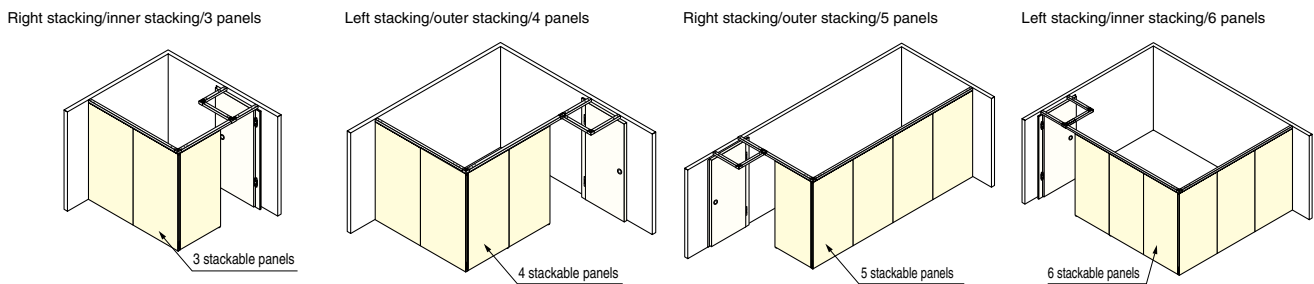
¹⁾ When using the optional part HES3D-V135LGR.

Remarks
• Be sure to check the precautions before installation.

ARCHITECTURAL DOOR HARDWARE



Installation Example See Stacking Variations for other types of stacking. You'll also find an explanation of left stacking, right stacking, inner stacking and outer stacking.

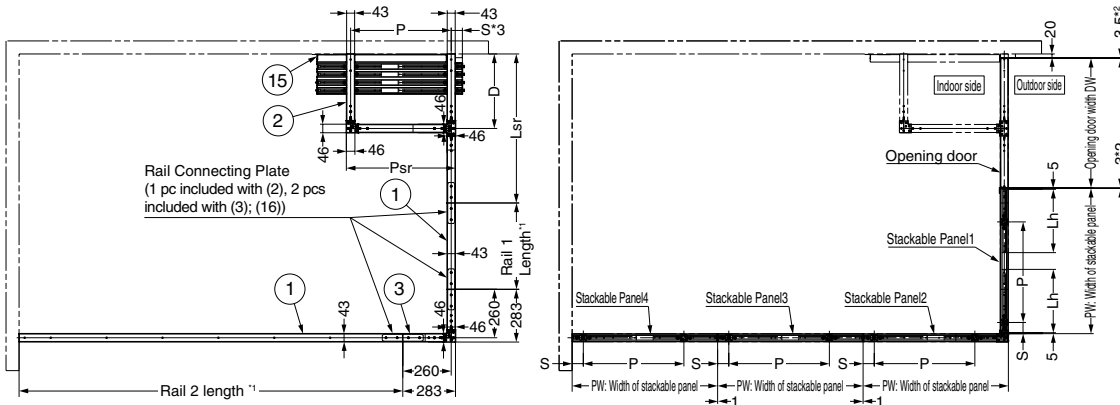


Standard Part List ^{*2} The fixture for the opening door is an optional item. It is not included in the set of parts.

Parts Number of Panels	Stacking Type	Necessary Parts (Selectable)			Necessary Parts			
		(1) Upper Track	(2) Perpendicular Stacking Rail Rail Connecting Plate 1 pc	(3) Corner Rail Rail Connecting Plate 2 pcs	(4) Upper Roller Set for Corner	(5) Hanging Bracket 2 pcs	(6) End Cap for Hanging Bracket	(7) Adjustment Spanner (for Upper Roller Set)
3 pcs	Left Storage/ Right Storage				 With cap No cap 250-037-223 FDPN40-QRC		 The part set is black. White is also available. 250-121-142 FD70B-EC-BL	 250-017-168 FD30-FSP
4 pcs		See "How to Select" for details on the necessary quantity and types. In addition to choosing between left and right stacking for the upper track and stacking rail, there is a variety of lengths and depths, and different products should be chosen depending on the width and number of panels.						
5 pcs								
6 pcs								

STACKABLE PARTITION DOOR SYSTEM

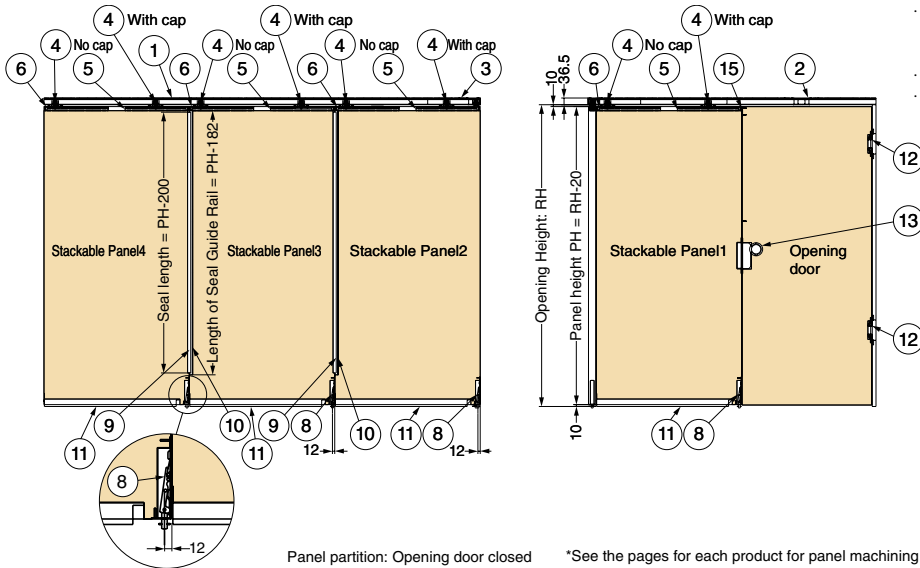
Sample Stacking Dimensions The drawing shows four right stacking/inner stacking panels.



*1 If one rail is not long enough, extend it with another upper track (1) and Rail Connecting Plate (16).

When panels are stacked

*2 The specifications of the opening door are those applicable when using the HES3D-V135 Concealed Hinges
 *3 The S dimension is a minimum of 60. This dimension selects as below depending on the panel width. See "How to Select" for details on the stacking rail and hanging bracket.
 - When 500 ~ Panel Width PW ~ 580: S = 60
 - When 580 < Panel Width PW ~ 700: S = PW - 520 (60 is also possible by using the FDP40-DTR340 hanging bracket instead of FDP40-DTR240 and cutting it.)
 - When 700 ~ Panel Width PW ~ 780: S = 60
 - When 780 < Panel Width PW ~ 900: S = PW - 720



Panel partition: Opening door closed

*See the pages for each product for panel machining details.

Recessing width of installation surface of upper track

No. of Panels	Width of applicable stackable panel	Storage Rail Dimensions				Hanging Bracket Dimensions
		P	D	Psr	Lsr	Lh
3 - 4	500 - 700	340	400	386	660	240
	700 - 900	540		586	800	340
5 - 6			540			

Optional Parts

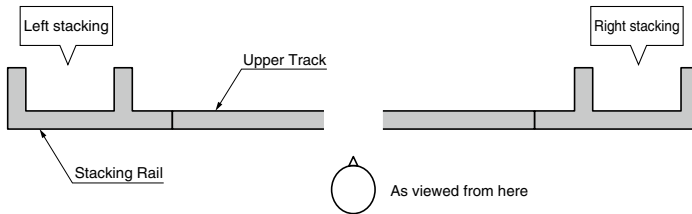
*Parts such as the stacking rail and hanging bracket differ depending on the number and width of panels. See "How to Select" for details.

Parts	Optional Items									
	(8) Flush Bolt	(9) Seal (Black) White is also available.	(10) Seal Guide Rail (Black) White is also available.	(11) Bottom Tightener (Door Width 600-800) A type for door widths of 800-1000 is also available. (Other sizes are made to order.)	(12) Concealed Hinge	(13) Magnetic Latch Handle (Flat Round Type)	(14) Magnetic Latch Handle (Flat Square Type)	(15) Door Stopper for Opening Door	(16) Rail Connecting Plate	(17) End Plate for Upper Track and Stacking Rail (Silver) Amber and white are also available.
Item Code	250-024-525	250-024-526	250-024-527	250-024-528	170-020-804	260-024-534	260-028-998	250-024-535	250-025-761	250-029-723
Item Name	FDP40-DBL150HL	FDP40-DSP2500BL	FDP40-DSPU2500BL	FDP40-DBT800	HES3D-V135LGR	MLH-SN	MLHS-SN	FDP40V-DTST	FDP40-TRMS-CP	FDP40-TREP-SL
3 pcs	3 pcs	1 pc	1 pc	3 pcs	2 - 3 pcs	1 pc	1 pc	1 pc	-	-
4 pcs	4 pcs	2 pcs	2 pcs	4 pcs						
5 pcs	5 pcs	3 pcs	3 pcs	5 pcs						
6 pcs	6 pcs	4 pcs	4 pcs	6 pcs					1 pc	

How to Select: FDPN40P1D Parallel Stacking Single Partition

1. Select the stacking type from "Stacking Variations"
2. With the symbol of the selected stacking type, check the necessary parts and quantities in the "Selection Table"

Principle of left and right stacking

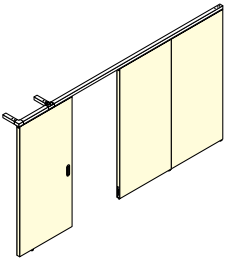


If the stacking part of the panel is stacked on the left (as viewed from its opposite side), the panel is a left stacking panel.

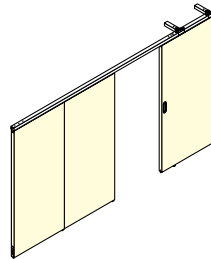
If the stacking part is stacked on the right, it is a right stacking panel.

This principle enables two different patterns even with the same number of panels.

Left stacking



Right stacking

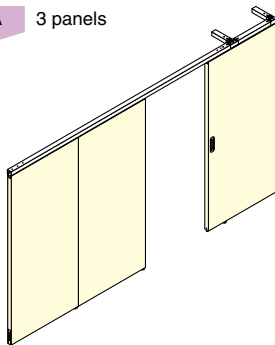


Stacking Variations

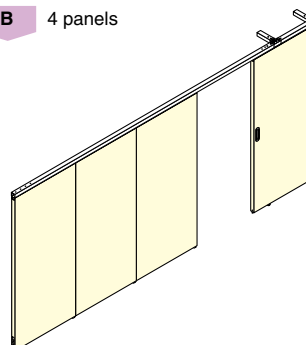
The panels below are right stacking.

Right stacking can be changed to left with the same number of panels. See above for details.

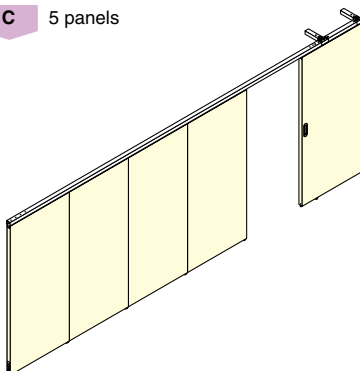
A 3 panels



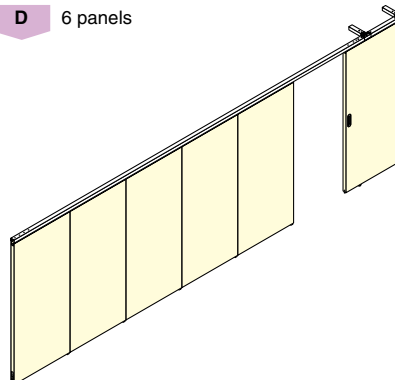
B 4 panels



C 5 panels



D 6 panels



FDPN40P1D PARALLEL STACKING SINGLE PARTITION

*Illustrations of stacking variations show the right stacking type. For the left stacking type, look at the "Left stacking" column.

Selection Table

Compatible stacking variations

A

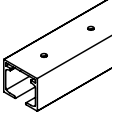
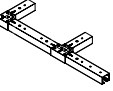
B

A

B

C

D

Stackable Panel, Stackable Door: Panel Width		500 - 700				700 - 1000										
No. of Panels		3 pcs		4 pcs		3 pcs		4 pcs		5 pcs		6 pcs				
Stacking Type		Item Code	Item Name	CAD	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right		
Upper Track 	Length 2000 mm	250-037-213	FDP40-TRM2000SL		Silver	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Purchase the quantity indicated in this table. 1 part set is required. </div>										
		250-037-214	FDP40-TRM2000UM		Amber											
		250-037-215	FDP40-TRM2000WT		White											
		250-024-507	FDP40-TRM3000SL		Silver											
		250-024-509	FDP40-TRM3000UM		Amber											
		250-024-511	FDP40-TRM3000WT		White											
	Length 3000 mm	250-024-508	FDP40-TRM4000SL		Silver	1	1	1	1	1	1	1	1	1		
		250-024-510	FDP40-TRM4000UM		Amber											
		250-024-512	FDP40-TRM4000WT		White											
	Length 4000 mm	250-025-761	FDP40-TRMS-CP		-							1	1	1	1	
		250-037-189	FDPN40P-TRMSL-P34D16-SL		Silver	1		1								
		250-037-190	FDPN40P-TRMSL-P34D16-UM		Amber											
	Stacking Rail 	Left stacking	250-037-191	FDPN40P-TRMSL-P34D16-WT		White										
			250-037-183	FDPN40P-TRMSL-P54D16-SL		Silver										
			250-037-184	FDPN40P-TRMSL-P54D16-UM		Amber			1		1					
250-037-185			FDPN40P-TRMSL-P54D16-WT		White											
250-037-177			FDPN40P-TRMSL-P54D26-SL		Silver											
250-037-178			FDPN40P-TRMSL-P54D26-UM		Amber							1		1		
Right stacking		250-037-179	FDPN40P-TRMSL-P54D26-WT		White											
		250-037-192	FDPN40P-TRMSR-P34D16-SL		Silver		1		1							
		250-037-193	FDPN40P-TRMSR-P34D16-UM		Amber											
		250-037-194	FDPN40P-TRMSR-P34D16-WT		White											
		250-037-186	FDPN40P-TRMSR-P54D16-SL		Silver											
		250-037-187	FDPN40P-TRMSR-P54D16-UM		Amber					1		1				
		250-037-188	FDPN40P-TRMSR-P54D16-WT		White											
		250-037-180	FDPN40P-TRMSR-P54D26-SL		Silver											
		250-037-181	FDPN40P-TRMSR-P54D26-UM		Amber								1		1	
250-037-182	FDPN40P-TRMSR-P54D26-WT		White													
Necessary Parts	Part set (see the table below for contents)				250-041-895	FDPN40P1D-P34-3P	250-041-896	FDPN40P1D-P34-4P	250-041-897	FDPN40P1D-P54-3P	250-041-898	FDPN40P1D-P54-4P	250-041-899	FDPN40P1D-P54-5P	250-041-900	FDPN40P1D-P54-6P

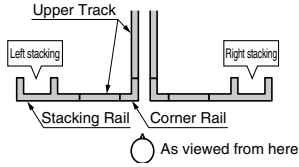
Contents of set of necessary parts	Upper Roller Set for Parallel Stacking Door	250-037-219	FDPN40P-QRF-ST		1	1	1	1	1	1	1
	Upper Roller Set for Parallel Stacking Panels	250-037-220	FDPN40P-QRF		1	2	1	2	3	4	
	Upper Roller Set for Parallel Sliding Panels	250-037-221	FDPN40P-QRL		1	1	1	1	1	1	
	Hanging Bracket 2 pcs	250-037-224	FDP40-DTR240		3	4					
		250-024-505	FDP40-DTR340				3	4	5	6	
	End Caps (Black)*1	250-121-142	FD70B-EC-BL		6	8	6	8	10	12	
Adjustment Spanner (for Upper Roller Set)	250-017-168	FD30-FSP		1	1	1	1	1	1		

*1 White is also available. *See the pages for each product for details on the quantities of optional parts.

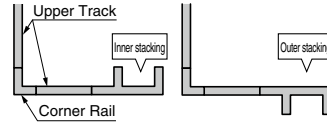
How to Select: FDPN40P2D Parallel Stacking Double partition

1. Select the stacking type from "Stacking Variations"
2. With the symbol of the selected stacking type, check the necessary parts and quantities in the "Selection Table"

Principle of left/right and inner/outer stacking



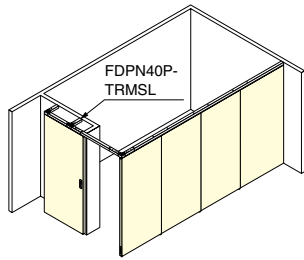
If the stacking part of the panel is stacked on the left (as viewed from its opposite side), the panel is a left stacking panel.
If the stacking part is stacked on the right, it is a right stacking panel.



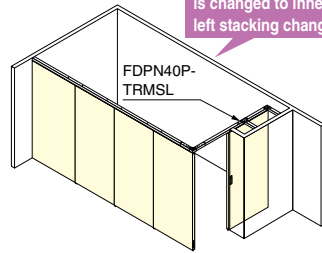
If the panel is stacked inside the corners of the partition, it is an inner stacking panel.
If it is stacked outside the corners, it is an outer stacking panel.

This principle enables four different patterns even with the same number of panels.

Left stacking/inner stacking

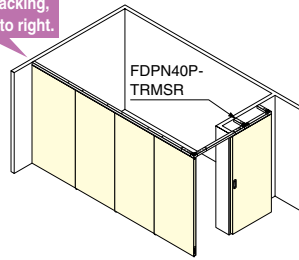


Left stacking/outer stacking

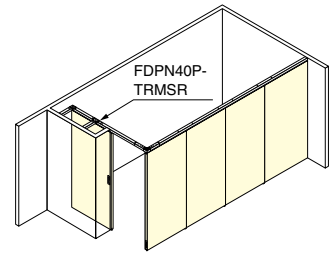


Note that when outer stacking is changed to inner stacking, left stacking changes to right.

Right stacking/inner stacking



Right stacking/outer stacking

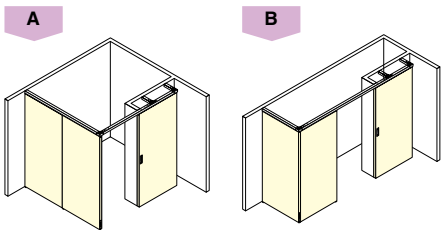


Stacking Variations

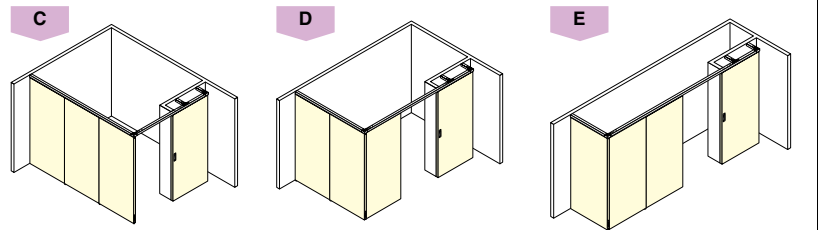
The panels below are right stacking/inner stacking.

Right stacking can be changed to left, or inner to outer, with the same number of panels. See above for details.

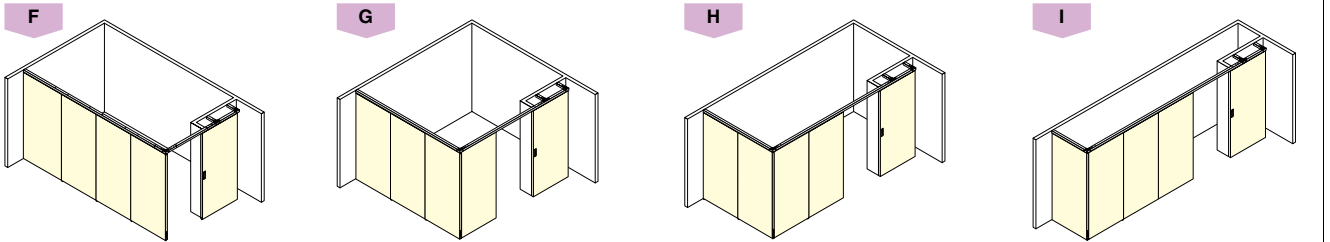
3 panels



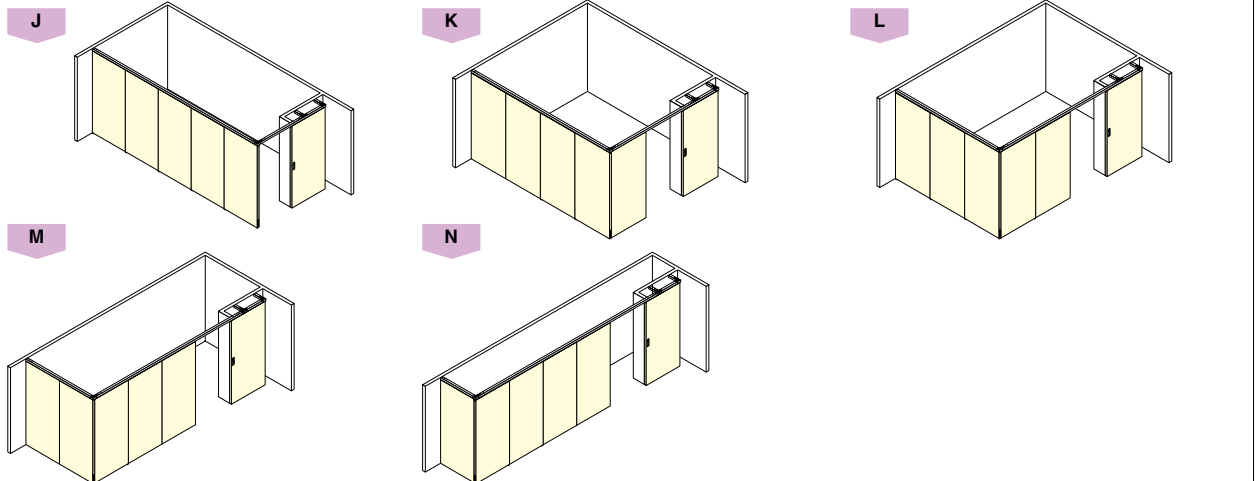
4 panels



5 panels



6 panels



FDPN40P2D PARALLEL STACKING DOUBLE PARTITION

*Illustrations of stacking variations show the right stacking type. For the left stacking type, look at the "Left stacking" column.

Selection Table

Compatible stacking variations

A - B

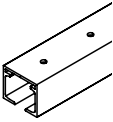
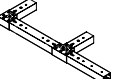
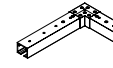
C - E

A - B

C - E

F - I

J - N

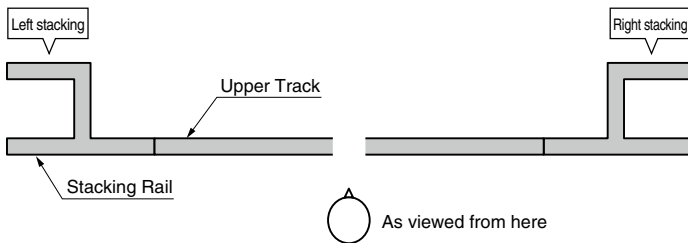
Stackable Panel, Stackable Door: Panel Width				500 - 700				700 - 1000								
No. of Panels				3 pcs		4 pcs		3 pcs		4 pcs		5 pcs		6 pcs		
Stacking Type		Item Code	Item Name	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	
	Length 2000 mm	250-037-213	FDP40-TRM2000SL	Purchase the quantity indicated in this table. 1 part set is required.												
		250-037-214	FDP40-TRM2000UM													
		250-037-215	FDP40-TRM2000WT													
		250-024-507	FDP40-TRM3000SL													
	Length 3000 mm	250-024-509	FDP40-TRM3000UM	1	1			1	1			1	1			
		250-024-511	FDP40-TRM3000WT													
		250-024-508	FDP40-TRM4000SL													
		250-024-510	FDP40-TRM4000UM			1	1			1	1			1	1	
	Length 4000 mm	250-024-512	FDP40-TRM4000WT													
		250-025-761	FDP40-TRMS-CP	-									1	1	1	1
		250-037-189	FDPN40P-TRMSL-P34D16-SL													
		250-037-190	FDPN40P-TRMSL-P34D16-UM	1		1										
	Left stacking	250-037-191	FDPN40P-TRMSL-P34D16-WT													
		250-037-183	FDPN40P-TRMSL-P54D16-SL													
		250-037-184	FDPN40P-TRMSL-P54D16-UM					1			1					
		250-037-185	FDPN40P-TRMSL-P54D16-WT													
		250-037-177	FDPN40P-TRMSL-P54D26-SL													
		250-037-178	FDPN40P-TRMSL-P54D26-UM										1		1	
	Right stacking	250-037-192	FDPN40P-TRMSR-P34D16-SL		1		1									
		250-037-193	FDPN40P-TRMSR-P34D16-UM													
		250-037-194	FDPN40P-TRMSR-P34D16-WT													
		250-037-186	FDPN40P-TRMSR-P54D16-SL						1			1				
		250-037-187	FDPN40P-TRMSR-P54D16-UM							1			1			
		250-037-188	FDPN40P-TRMSR-P54D16-WT													
Corner Rail	250-037-180	FDPN40P-TRMSR-P54D26-SL														
	250-037-181	FDPN40P-TRMSR-P54D26-UM										1		1		
	250-037-182	FDPN40P-TRMSR-P54D26-WT														
	250-037-216	FDPN40-TRMC260-SL	1	1	1	1	1	1	1	1	1	1	1	1		
	250-037-217	FDPN40-TRMC260-UM														
	250-037-218	FDPN40-TRMC260-WT														
	250-041-901	FDPN40P2D-P34-3P	250-041-902		250-041-903		250-041-904		250-041-905		250-041-906					
Necessary Parts	Part set (see the table below for contents)			FDPN40P2D-P34-3P		FDPN40P2D-P34-4P		FDPN40P2D-P54-3P		FDPN40P2D-P54-4P		FDPN40P2D-P54-5P		FDPN40P2D-P54-6P		
Contents of set of necessary parts	Upper Roller Set for Corner	250-037-223	FDPN40-QRC	2	3	2	3	4	5							
	Upper Roller Set for Parallel Stacking Panels	250-037-220	FDPN40P-QRF	1	1	1	1	1	1							
	Hanging Bracket 2 pcs	250-037-224	FDP40-DTR240	3	4											
		250-024-505	FDP40-DTR340	3	4	5	6									
	End Caps (Black)*1	250-121-142	FD70B-EC-BL	6	8	6	8	10	12							
Adjustment Spanner (for Upper Roller Set)	250-017-168	FD30-FSP	1	1	1	1	1	1								

*1 White is also available. *See the pages for each product for details on the quantities of optional parts.

How to Select: FDPN40V1D Perpendicular Stacking Single Partition

1. Select the stacking type from "Stacking Variations"
2. With the symbol of the selected stacking type, check the necessary parts and quantities in the "Selection Table"

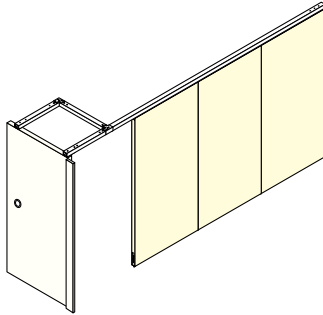
Principle of left and right stacking



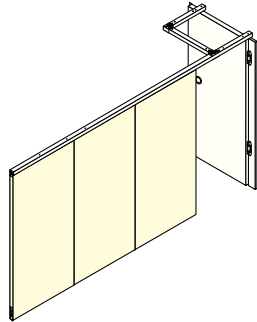
If the stacking part of the panel is stacked on the left (as viewed from its opposite side), the panel is a left stacking panel. If the stacking part is stacked on the right, it is a right stacking panel.

This principle enables two different patterns even with the same number of panels.

Left stacking



Right stacking

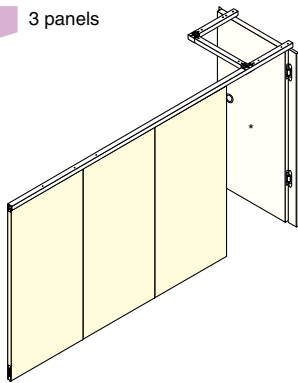


Stacking Variations

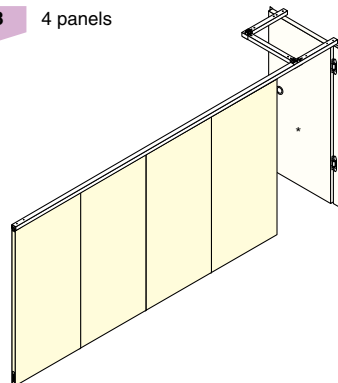
The panels below are right stacking.

Right stacking can be changed to left with the same number of panels. See above for details.

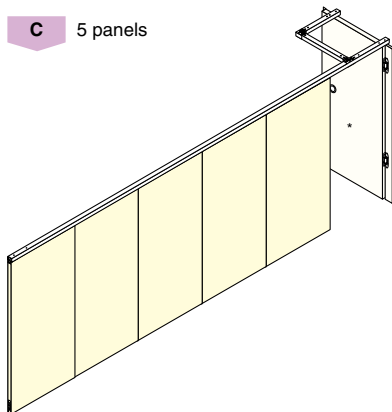
A 3 panels



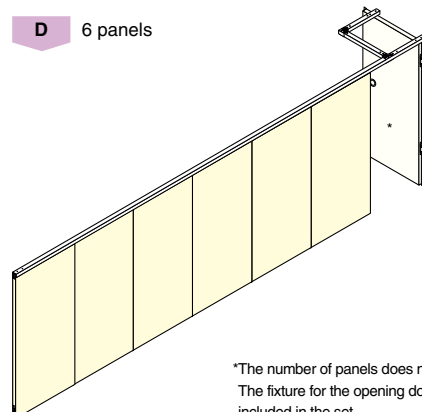
B 4 panels



C 5 panels



D 6 panels



*The number of panels does not include the opening door.
The fixture for the opening door is an optional item, and is not included in the set.

FDPN40V1D PERPENDICULAR STACKING SINGLE PARTITION

*Illustrations of stacking variations show the right stacking type. For the left stacking type, look at the "Left stacking" column.

Selection Table

Compatible stacking variations

A

B

A

B

C

D

Stackable Panel, Stackable Door: Panel Width		500 - 700				700 - 900									
No. of Panels		3 pcs		4 pcs		3 pcs		4 pcs		5 pcs		6 pcs			
Stacking Type		Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right		
Upper Track	Length 2000 mm	Item Code Item Name	Purchase the quantity indicated in this table. 1 part set is required.												
		250-037-213 FDP40-TRM2000SL Silver													
		250-037-214 FDP40-TRM2000UM Amber													
Length 3000 mm	250-037-215 FDP40-TRM2000WT White														
	250-024-507 FDP40-TRM3000SL Silver														
	250-024-509 FDP40-TRM3000UM Amber	1	1			1	1			1	1				
	250-024-511 FDP40-TRM3000WT White														
	250-024-508 FDP40-TRM4000SL Silver														
	250-024-510 FDP40-TRM4000UM Amber			1	1			1	1			1	1		
Length 4000 mm	250-024-512 FDP40-TRM4000WT White														
	250-025-761 FDP40-TRMS-CP														
	250-037-207 FDPN40V-TRMSL-P34D40-SL Silver														
Stacking Rail	Left stacking	250-037-208 FDPN40V-TRMSL-P34D40-UM Amber	1			1									
		250-037-209 FDPN40V-TRMSL-P34D40-WT White													
		250-037-201 FDPN40V-TRMSL-P54D40-SL Silver													
		250-037-202 FDPN40V-TRMSL-P54D40-UM Amber			1			1							
		250-037-203 FDPN40V-TRMSL-P54D40-WT White													
		250-037-195 FDPN40V-TRMSL-P54D54-SL Silver													
		250-037-196 FDPN40V-TRMSL-P54D54-UM Amber							1			1			
		250-037-197 FDPN40V-TRMSL-P54D54-WT White													
		Right stacking	250-037-210 FDPN40V-TRMSR-P34D40-SL Silver												
			250-037-211 FDPN40V-TRMSR-P34D40-UM Amber			1			1						
			250-037-212 FDPN40V-TRMSR-P34D40-WT White												
			250-037-204 FDPN40V-TRMSR-P54D40-SL Silver												
			250-037-205 FDPN40V-TRMSR-P54D40-UM Amber					1			1				
			250-037-206 FDPN40V-TRMSR-P54D40-WT White												
250-037-198 FDPN40V-TRMSR-P54D54-SL Silver															
250-037-199 FDPN40V-TRMSR-P54D54-UM Amber									1			1			
250-037-200 FDPN40V-TRMSR-P54D54-WT White															
Necessary Parts			Part set (see the table below for contents)		250-041-907*1 FDPN40V1D-P34-3P	250-041-908*1 FDPN40V1D-P34-4P	250-041-909*2 FDPN40V1D-P54-3P	250-041-910*2 FDPN40V1D-P54-4P	250-041-911 FDPN40V1D-P54-5P	250-041-912 FDPN40V1D-P54-6P					

ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

Contents of set of necessary parts	Upper Roller Set for Perpendicular Stacking Panels	250-037-222 FDPN40V-QR	3	4	3	4	5	6
	Hanging Bracket 2 pcs	250-037-224 FDP40-DTR240	3	4			5	6
		250-024-505 FDP40-DTR340			3	4	5	6
	End Caps (Black)*3	250-121-142 FD70B-EC-BL	6	8	6	8	10	12
	Adjustment Spanner (for Upper Roller Set)	250-017-168 FD30-FSP	1	1	1	1	1	1

*1 When using a panel with a width of 580-700, to shorten the length from the hanging bracket to the end of the panel, use the part set in *2 instead of the one in *1. See *3 on page 527 for details.

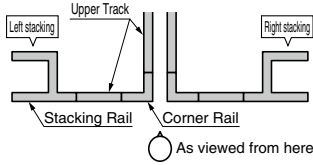
*3 White is also available.

*See the pages for each product for details on the quantities of optional parts.

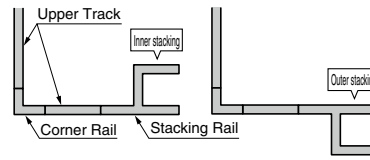
How to Select: FDPN40V2D Perpendicular Stacking Double Partition

1. Select the stacking type from "Stacking Variations"
2. With the symbol of the selected stacking type, check the necessary parts and quantities in the "Selection Table"

Principle of left/right and inner/outer stacking



If the stacking part of the panel is stacked on the left (as viewed from its opposite side), the panel is a left stacking panel.
If the stacking part is stacked on the right, it is a right stacking panel.



If the panel is stacked inside the corners of the partition, it is an inner stacking panel.
If it is stacked outside the corners, it is an outer stacking panel.

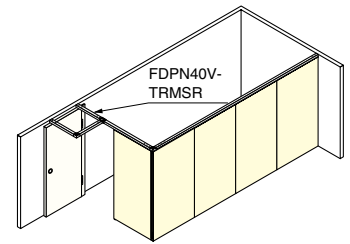
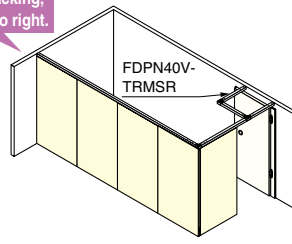
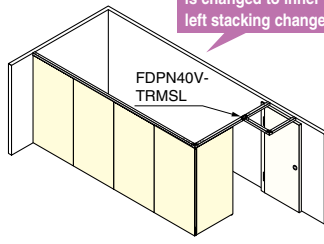
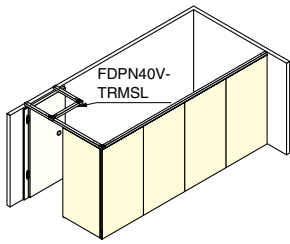
This principle enables four different patterns even with the same number of panels.

Left stacking/inner stacking

Left stacking/outer stacking

Right stacking/inner stacking

Right stacking/outer stacking



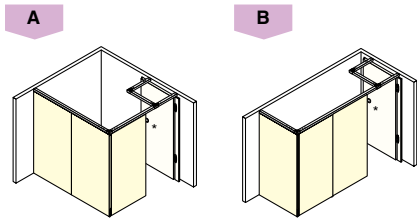
Note that when outer stacking is changed to inner stacking, left stacking changes to right.

Stacking Variations

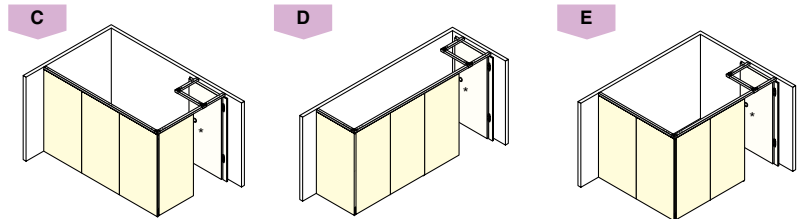
The panels below are right stacking/inner stacking.

Right stacking can be changed to left, or inner to outer, with the same number of panels. See above for details.

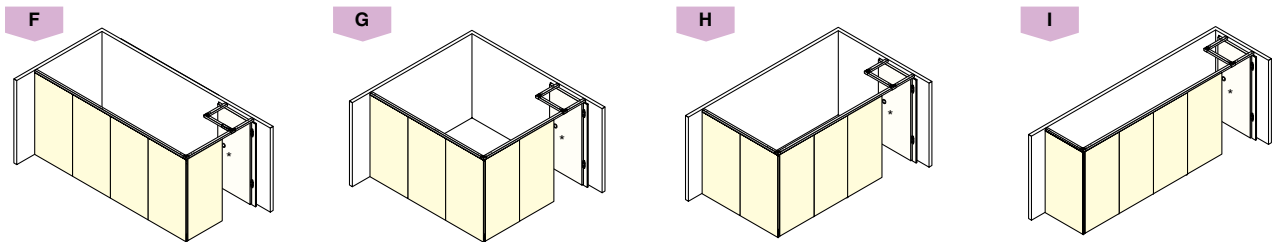
3 panels



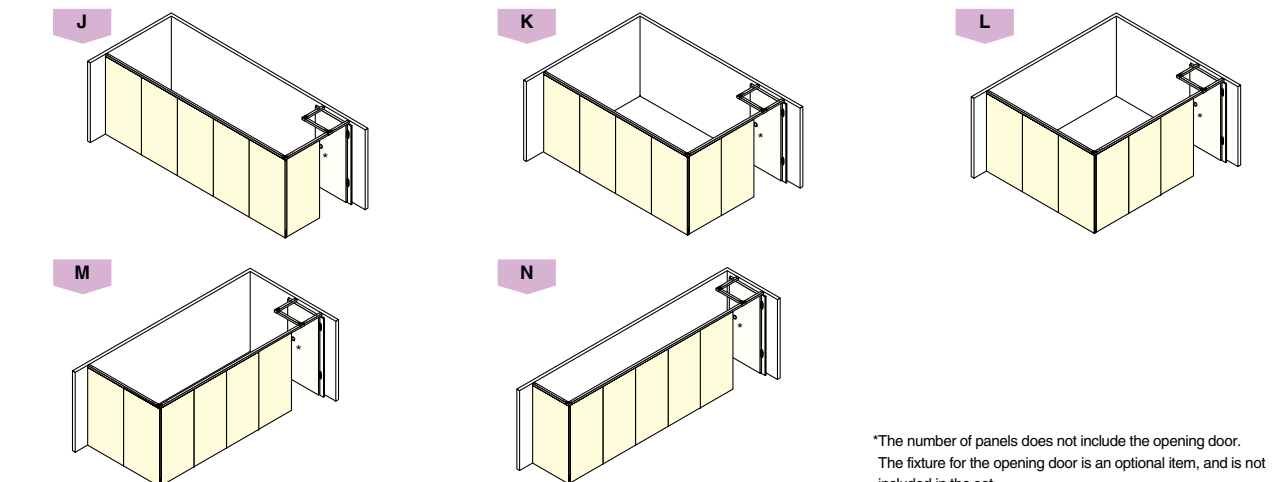
4 panels



5 panels



6 panels



*The number of panels does not include the opening door.
The fixture for the opening door is an optional item, and is not included in the set.

FDPN40V2D PERPENDICULAR STACKING DOUBLE PARTITION

*Illustrations of stacking variations show the right stacking type. For the left stacking type, look at the "Left stacking" column.

Selection Table

Compatible stacking variations

A - B

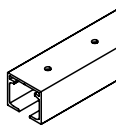










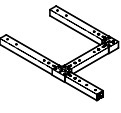


























C - E

A - B

C - E

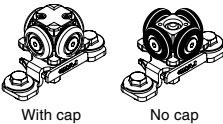
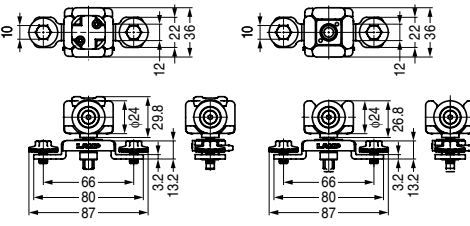

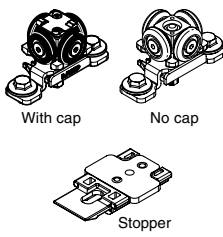
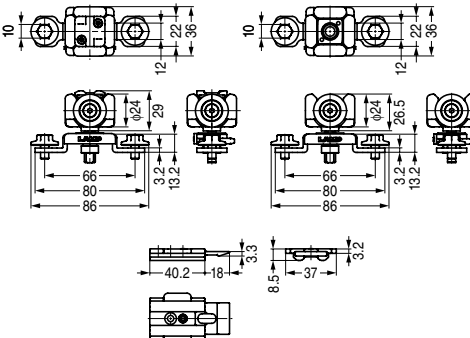

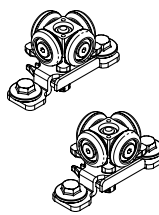
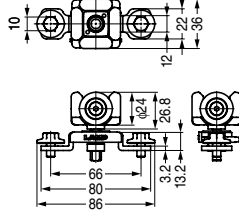

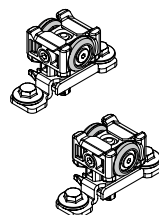
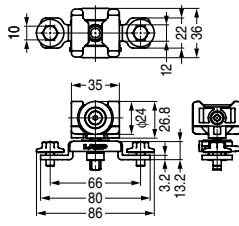

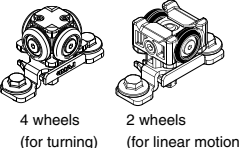
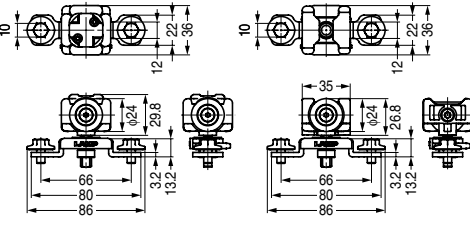

F - I

J - N

Stackable Panel, Stackable Door: Panel Width				500 - 700				700 - 900								
No. of Panels				3 pcs		4 pcs		3 pcs		4 pcs		5 pcs		6 pcs		
Stacking Type		Item Code	Item Name	CAD	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right		
	Length 2000 mm	250-037-213	FDP40-TRM2000SL		Silver	Purchase the quantity indicated in this table. 1 part set is required.										
		250-037-214	FDP40-TRM2000UM		Amber											
		250-037-215	FDP40-TRM2000WT		White											
	Length 3000 mm	250-024-507	FDP40-TRM3000SL		Silver	1	1			1	1			1	1	
		250-024-509	FDP40-TRM3000UM		Amber									1	1	
		250-024-511	FDP40-TRM3000WT		White											
	Length 4000 mm	250-024-508	FDP40-TRM4000SL		Silver											
		250-024-510	FDP40-TRM4000UM		Amber			1	1			1	1		1	
		250-024-512	FDP40-TRM4000WT		White											
	Rail Connecting Plate		250-025-761	FDP40-TRMS-CP		-							1	1	1	1
		Left stacking	250-037-207	FDPN40V-TRMSL-P34D40-SL		Silver										
			250-037-208	FDPN40V-TRMSL-P34D40-UM		Amber	1		1							
250-037-209			FDPN40V-TRMSL-P34D40-WT		White											
250-037-201			FDPN40V-TRMSL-P54D40-SL		Silver					1		1				
250-037-202			FDPN40V-TRMSL-P54D40-UM		Amber						1		1			
250-037-203			FDPN40V-TRMSL-P54D40-WT		White											
Right stacking		250-037-195	FDPN40V-TRMSL-P54D54-SL		Silver											
		250-037-196	FDPN40V-TRMSL-P54D54-UM		Amber								1		1	
		250-037-197	FDPN40V-TRMSL-P54D54-WT		White											
		250-037-210	FDPN40V-TRMSR-P34D40-SL		Silver		1		1							
		250-037-211	FDPN40V-TRMSR-P34D40-UM		Amber											
		250-037-212	FDPN40V-TRMSR-P34D40-WT		White											
Corner Rail	250-037-204	FDPN40V-TRMSR-P54D40-SL		Silver						1		1				
	250-037-205	FDPN40V-TRMSR-P54D40-UM		Amber							1		1			
	250-037-206	FDPN40V-TRMSR-P54D40-WT		White												
	250-037-198	FDPN40V-TRMSR-P54D54-SL		Silver									1			
	250-037-199	FDPN40V-TRMSR-P54D54-UM		Amber										1		
	250-037-200	FDPN40V-TRMSR-P54D54-WT		White												
Corner Rail		250-037-216	FDPN40-TRMC260-SL		Silver											
		250-037-217	FDPN40-TRMC260-UM		Amber	1	1	1	1	1	1	1	1	1		
		250-037-218	FDPN40-TRMC260-WT		White											
Necessary Parts	Part set (see the table below for contents)				250-041-913*1	250-041-914*1	250-041-915*2	250-041-916*2	250-041-917	250-041-918						
					FDPN40V2D-P34-3P	FDPN40V2D-P34-4P	FDPN40V2D-P54-3P	FDPN40V2D-P54-4P	FDPN40V2D-P54-5P	FDPN40V2D-P54-6P						
	Upper Roller Set for Corner	250-037-223	FDPN40-QRC		3	4	3	4	5	6						
	Hanging Bracket 2 pcs	250-037-224	FDP40-DTR240		3	4										
250-024-505		FDP40-DTR340				3	4	5	6							
End Caps (Black)*3	250-121-142	FD70B-EC-BL		6	8	6	8	10	12							
	Adjustment Spanner (for Upper Roller Set)	250-017-168	FD30-FSP		1	1	1	1	1	1						

*1 When using a panel with a width of 580-700, to shorten the length from the hanging bracket to the end of the panel, use the part set in *2 instead of the one in *1. See *3 on page 529 for details.
 *3 White is also available. *See the pages for each product for details on the quantities of optional parts.

PARTS TABLE

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD
	Upper Roller Set for Corner (For 2 Parallel Stacking/Perpendicular Stacking Partition) 		Upper rollers for the FDPN40 double partition type. <ul style="list-style-type: none"> •Material Steel/polyacetal (POM) •Finish Gloss chromate finish/natural (rollers with cap), black (rollers without cap) 	250-037-223 FDPN40-QRC	
	Upper Roller Set for Parallel Stacking Door (For Parallel Stacking Single Partition) 		Upper rollers for the FDPN40P parallel stacking type. Use this for parallel stacking doors. Comes with a stopper to use with the doors. <ul style="list-style-type: none"> •Material Steel/polyacetal (POM) •Finish Gloss chromate finish/black (rollers with cap), natural (rollers without cap) 	250-037-219 FDPN40P-QRF-ST	
FDPN 40P FDPN 40V	Upper Roller Set for Parallel Stacking Panels (For Parallel Stacking Single/Double Partition) 		Upper rollers for the FDPN40P parallel stacking type. Use this for parallel stacking doors and panels. <ul style="list-style-type: none"> •Material Steel/polyacetal (POM) •Finish Gloss chromate finish/natural (rollers) 	250-037-220 FDPN40P-QRF	
	Upper Roller Set for Parallel Sliding Panels (For Parallel Stacking Single Partition) 		Upper rollers for the FDPN40P parallel stacking type. The two rollers move straight along the rail, enabling use with sliding non-stacking panels. <ul style="list-style-type: none"> •Material Steel/polyacetal (POM) •Finish Gloss chromate finish/grey (rollers) 	250-037-221 FDPN40P-QRL	
STACKABLE PARTITION DOOR SYSTEM	Upper Roller Set for Perpendicular Stacking Panels (for Perpendicular Stacking Single Partition) 		Upper rollers for the FDPN40V perpendicular stacking type. The set contains leading edge rollers with 4 wheels to turn the corner of the stacking rail and trailing edge rollers with 2 wheels to run straight along the rail. <ul style="list-style-type: none"> •Material Steel/polyacetal (POM) •Finish Gloss chromate finish/natural (rollers for turning), black (rollers for linear motion) 	250-037-222 FDPN40V-QR	

PARTS TABLE

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD
FDPN 40P · FDPN 40V	Hanging Bracket		<p>A recessed mounting bracket for assembling the FDP and FDPN upper rollers into doors.</p> <ul style="list-style-type: none"> Material: Aluminium alloy Finish: Silver anodised <p>Accessories</p> <ul style="list-style-type: none"> Size 5 x 40 cross-recessed pan head tapping screws 	Length 240 mm 250-037-224 FDP40-DTR240	
	End Caps For Hanging Bracket		<p>End caps to conceal the ends of the hanging bracket.</p> <ul style="list-style-type: none"> Material: Elastomer (TPE) Colour: Black, white 	Black 250-121-142 FD70B-EC-BL	
	Adjustment Spanner (For Upper Roller Set)			<p>Attach this tool to the hanging bracket of the FDPN upper rollers to adjust the bracket vertically.</p> <ul style="list-style-type: none"> Material: Steel Finish: Coloured chromate finish (trivalent) 	250-017-168 FD30-FSP

UPPER TRACK

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD
FDPN 40P · FDPN 40V	Upper Track		<p>An upper track for the FDPN and FDP. Holes are drilled in the side that joins with the stacking rail.</p> <ul style="list-style-type: none"> Material: Aluminium alloy Finish: Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Size 4 x 40 cross-recessed binding head tapping screws 	Length 2000 mm 250-037-213 FDP40-TRM2000SL	
				Length 3000 mm 250-024-507 FDP40-TRM3000SL	
				Length 4000 mm 250-024-508 FDP40-TRM4000SL	
				Length 2000 mm 250-037-214 FDP40-TRM2000UM	
				Length 3000 mm 250-024-509 FDP40-TRM3000UM	
				Length 4000 mm 250-024-510 FDP40-TRM4000UM	
				Length 2000 mm 250-037-215 FDP40-TRM2000WT	
				Length 3000 mm 250-024-511 FDP40-TRM3000WT	
				Length 4000 mm 250-024-512 FDP40-TRM4000WT	

ARCHITECTURAL
DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

PARALLEL STACKING RAIL

ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD	
FDPN 40P	Parallel Stacking Rail For narrow panels Left stacking		<p>A parallel stacking rail for the FDPN40P. Use this with 3-4 panels with a width of 500-700. Each rail part comes assembled. The set includes a connecting plate, which acts as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 1 pc Size 4 x 40 cross-recessed flat head tapping screws 	Panel width: 500 - 700 No. of Panels: 3 - 4	Silver 250-037-189 FDPN40P-TRMSL-P34D16-SL	
	Parallel Stacking Rail For narrow panels Right stacking				Amber 250-037-190 FDPN40P-TRMSL-P34D16-UM	
					White 250-037-191 FDPN40P-TRMSL-P34D16-WT	
					Silver 250-037-192 FDPN40P-TRMSR-P34D16-SL	
					Amber 250-037-193 FDPN40P-TRMSR-P34D16-UM	
					White 250-037-194 FDPN40P-TRMSR-P34D16-WT	
	Parallel Stacking Rail Left stacking		<p>A parallel stacking rail for the FDPN40P. Use this with 3-4 panels with a width of 700-1000. Each rail part comes assembled. The set includes a connecting plate, which acts as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 1 pc Size 4 x 40 cross-recessed flat head tapping screws 	Panel width: 700 - 1000 No. of Panels: 3 - 4	Silver 250-037-183 FDPN40P-TRMSL-P54D16-SL	
	Parallel Stacking Rail Right stacking				Amber 250-037-184 FDPN40P-TRMSL-P54D16-UM	
					White 250-037-185 FDPN40P-TRMSL-P54D16-WT	
					Silver 250-037-186 FDPN40P-TRMSR-P54D16-SL	
					Amber 250-037-187 FDPN40P-TRMSR-P54D16-UM	
					White 250-037-188 FDPN40P-TRMSR-P54D16-WT	
Parallel Stacking Rail For 5-6 panels Left stacking		<p>A parallel stacking rail for the FDPN40P. Use this with 5-6 panels with a width of 700-1000. Each rail part comes assembled. The set includes a connecting plate, which acts as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 1 pc Size 4 x 40 cross-recessed flat head tapping screws Size 4 x 40 cross-recessed binding head tapping screws 	Panel width: 700 - 1000 No. of Panels: 5 - 6	Silver 250-037-177 FDPN40P-TRMSL-P54D26-SL		
Parallel Stacking Rail For 5-6 panels Right stacking				Amber 250-037-178 FDPN40P-TRMSL-P54D26-UM		
				White 250-037-179 FDPN40P-TRMSL-P54D26-WT		
				Silver 250-037-180 FDPN40P-TRMSR-P54D26-SL		
				Amber 250-037-181 FDPN40P-TRMSR-P54D26-UM		
				White 250-037-182 FDPN40P-TRMSR-P54D26-WT		

PERPENDICULAR STACKING RAIL

Compatible Products	Name	Dimensions	Specifications	Item Code	CAD		
				Item Name			
FDPN 40V	Perpendicular Stacking Rail For narrow panels Left stacking		<p>A perpendicular stacking rail for the FDPN40V. Use this with 3-4 panels with a width of 500-700. Each rail part comes assembled. The set includes a connecting plate, which acts as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 1 pc Size 4 x 40 cross-recessed flat head tapping screws Size 4 x 40 cross-recessed binding head tapping screws 	250-037-207 FDPN40V-TRMSL-P34D40-SL	[CAD]		
						250-037-208 FDPN40V-TRMSL-P34D40-UM	
	Perpendicular Stacking Rail For narrow panels Right stacking			250-037-209 FDPN40V-TRMSL-P34D40-WT	[CAD]		
						250-037-210 FDPN40V-TRMSR-P34D40-SL	
	Perpendicular Stacking Rail Left stacking			<p>A perpendicular stacking rail for the FDPN40V. Use this with 3-4 panels with a width of 700-900. Each rail part comes assembled. The set includes a connecting plate, which acts as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 1 pc Size 4 x 40 cross-recessed flat head tapping screws Size 4 x 40 cross-recessed binding head tapping screws 	250-037-201 FDPN40V-TRMSL-P54D40-SL	[CAD]	
							250-037-202 FDPN40V-TRMSL-P54D40-UM
	Perpendicular Stacking Rail Right stacking				250-037-203 FDPN40V-TRMSL-P54D40-WT	[CAD]	
							250-037-204 FDPN40V-TRMSR-P54D40-SL
	Perpendicular Stacking Rail For 5-6 panels Left stacking				<p>A perpendicular stacking rail for the FDPN40V. Use this with 5-6 panels with a width of 700-900. Each rail part comes assembled. The set includes a connecting plate, which acts as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 1 pc Size 4 x 40 cross-recessed flat head tapping screws Size 4 x 40 cross-recessed binding head tapping screws 	250-037-195 FDPN40V-TRMSL-P54D54-SL	[CAD]
	Perpendicular Stacking Rail For 5-6 panels Right stacking					250-037-197 FDPN40V-TRMSL-P54D54-WT	[CAD]
Corner Rail		<p>A corner rail for the FDPN. Use this with the two-panel type. The set includes two connecting plates, which act as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 2 pcs Size 4 x 40 cross-recessed flat head tapping screws 	250-037-216 FDPN40-TRMC260-SL			[CAD]	
							250-037-217 FDPN40-TRMC260-UM
Corner Rail			250-037-218 FDPN40-TRMC260-WT			[CAD]	

CORNER RAIL

Compatible Products	Name	Dimensions	Specifications	Item Code	CAD
				Item Name	
FDPN 40P2D FDPN 40V2D	Corner Rail		<p>A corner rail for the FDPN. Use this with the two-panel type. The set includes two connecting plates, which act as an installation guide when attaching the panels to the straight rail.</p> <ul style="list-style-type: none"> Main material: Aluminium alloy Finish <ul style="list-style-type: none"> Silver: Silver anodised + electrodeposition coating/clear Amber: Amber anodised + electrodeposition coating/clear White: Anodised + electrodeposition coating/white <p>Accessories</p> <ul style="list-style-type: none"> Rail Connecting Plate 2 pcs Size 4 x 40 cross-recessed flat head tapping screws 	250-037-216 FDPN40-TRMC260-SL	[CAD]
				250-037-217 FDPN40-TRMC260-UM	[CAD]
				250-037-218 FDPN40-TRMC260-WT	[CAD]

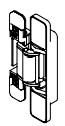

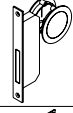

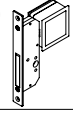

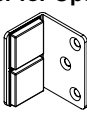
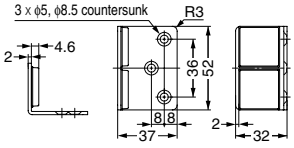

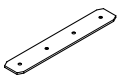
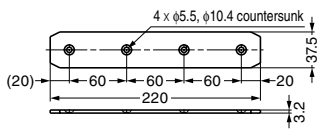

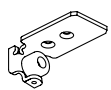
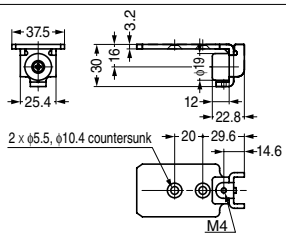

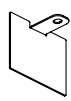
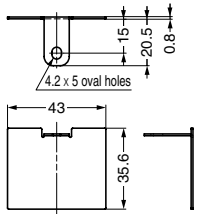




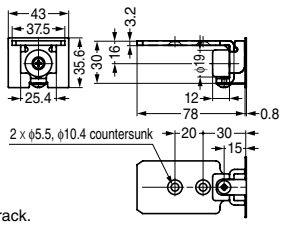




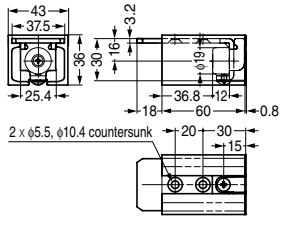



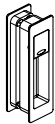
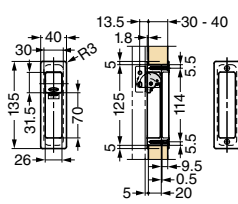



ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

OPTIONAL PARTS TABLE

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD
ARCHITECTURAL DOOR HARDWARE FDPN 40P · FDPN 40V · FDP 40P · FDP 40V	Flush Bolt		<p>Use this to secure flat partition panels when using them as partitions.</p> <ul style="list-style-type: none"> Material: Stainless steel (SUS304) Finish: Hairline finish <p>Accessories</p> <ul style="list-style-type: none"> Strike Size 3.1 x 20 cross-recessed flat head wood screws (4 pcs) Size 2.7 x 20 cross-recessed flat head wood screws (2 pcs) 	 250-024-525 FDP40-DBL150HL	
	Seal		<p>A seal to cover the area between the panels of a flat partition.</p> <ul style="list-style-type: none"> Material: Black: Chloroprene rubber (CR) White: Ethylene propylene rubber (EPDM) Colour: Black, white <p>Caution: Use double-sided tape or adhesive when mounting this product to doors.</p>	Black 250-024-526 FDP40-DSP2500BL	
	Seal Guide Rail		<p>A guide rail for the seal covering the area between the panels of a flat partition.</p> <ul style="list-style-type: none"> Material: ABS resin Colour: Black, white 	Black 250-024-527 FDP40-DSPU2500BL	
	Bottom Tightener		<p>Use this to block the gap between flat partition panels and the floor when using them as partitions. The protruding area of the seal can be adjusted according to the dimensions of the gap. Sizes other than those indicated on the right can be made to order (please request a quote).</p> <ul style="list-style-type: none"> Material: Aluminium alloy/elastomer Finish: Silver anodised/black <p>Included screws: Size 3.5 x 20 (4 pcs) and size 3.1 x 16 (2 pcs) cross-recessed flat head tapping screws</p> <p>Caution: When installing this product on the FDPN40 or FDP40 flat partition, the ends require notches being cut, holes drilled, and flush bolts attached in addition to cutting. This product cannot be used with doors.</p>	Width: 600 - 800 mm 250-024-528 FDP40-DBT800	
	Lower Guide Pin		<p>A lower guide to prevent oscillation in top-hanging sliding doors. Use this for the FDPN40P and FDP40P stackable doors. The motion of the door is guided magnetically. This product is recessed in the floor.</p> <p>Distance between floor and door: 10 ±4 mm</p> <ul style="list-style-type: none"> Material: Polyacetal (POM)/steel/zinc alloy (ZDC) Finish: Colours indicated on the right/Chrome plating/Nickel plating <p>Included screws: Size 3 x 14 cross-recessed pan head tapping screws (2 pcs)</p> <p>Caution: Do not allow wax or other foreign matter to enter the guide pin, as this may cause malfunctions.</p>	Light grey 250-029-828 FD30-MGFP-LGR	
	Magnetic Guide Bracket		<p>A bracket for the lower guide. The magnet attracts the guide pin. This product is recessed into the bottom of the door. Comes with an automatic magnet height setting function. 2 pcs.</p> <ul style="list-style-type: none"> Material: Polyacetal (POM)/neodymium Finish: Grey/nickel plating <p>Included screws: Size 3 x 12 cross-recessed flat head tapping screws (2 pcs)</p> <p>Caution: 2 pieces (1 set) required for each door.</p>	 250-026-500 FD30-MGDB	
	Lower Guide Rail		<p>A rail for the lower guide. This product is recessed into the bottom surface of the door.</p> <ul style="list-style-type: none"> Material: ABS resin Colour: Grey <p>Included screws: Size 3 x 16 cross-recessed pan head tapping screws (4 pcs)</p>	Length 1000 mm 250-026-501 FD30-MGDR1000	
Adjustment Spanner (for Lower Guide Pin)		<p>A tool to adjust the direction of the lower guide pin. Also compatible with the Z059 dedicated tool.</p> <ul style="list-style-type: none"> Material: Steel Finish: Chromate finish 	 250-022-252 FD80-HHSP		

OPTIONAL PARTS TABLE

Compatible Products	Name	Dimensions	Specifications	Item Code Item Name	CAD	
FDPN 40P • FDPN 40V • FDP 40P • FDP 40V	3-Way Adjustable Concealed Hinge		A three-way adjustable concealed hinge. Enables easy alignment of the joint. The unique linking structure reduces dead space when doors or panels are stacked. • Material: Steel/polyacetal (POM)/aluminium alloy • Finish: Nickel plating/grey/silver - anodised Installation screws included	170-020-804 HES3D-V135LGR		
	See the pages for each product for details.					
	Magnetic Latch Handle (Flat Round Type)			• Material: Zinc alloy/stainless steel • Finish: Satin nickel plating/satin finish Installation screws included	260-024-534 MLH-SN	
	See the pages for each product for details.					
	Magnetic Latch Handle (Flat Square Type)			• Material: Zinc alloy/stainless steel • Finish: Satin nickel plating/satin finish Installation screws included	260-028-998 MLHS-SN	
	See the pages for each product for details.					
	Door Stopper for Opening Door			A door stopper for the opening door of a flat partition. Attaches to the top of the leading edge of the opening door. This product absorbs impact when the door is opened and closed, keeping it aligned with the panels. • Material: Stainless steel/polyurethane (PUR) • Finish: Gloss barrel polished/clear Included screws: Size 4 x 25 cross-recessed flat head tapping screws (3 pcs)	250-024-535 FDP40V-DTST	
	Rail Connecting Plate			Use this to connect the upper track to the stacking rail or corner rail, or to connect multiple upper tracks. Insert this product into the upper groove of the rail, align the holes with those of the rail and secure with the included screws. One piece is included with stacking rails and corner rails. • Material: Steel (SPCC) • Finish: Gloss chromate finish Included screws: Size 4 x 40 cross-recessed flat head tapping screws (4 pcs)	250-025-761 FDP40-TRMS-CP	
	Stopper			• Material: Steel (SPCC)/styrene butadiene rubber (SBR) • Finish: Gloss chromate finish/black Purpose: Use as a stopper at the rail centre. Included screws • Size 4 x 40 cross-recessed flat head tapping screws (2 pcs) • Size M4 x 5 cross-recessed flat head tapping screw (1 pc) *Use when using with the end plate	250-029-719 FDP40-STP	
	End Plate			• Material: Steel (SECC) • Finish: Baked enamel finish Purpose: To cover the rail when recessed. Caution: This product cannot be used as a stopper at the rail end. Included screws • Size 4 x 30 cross-recessed binding head tapping screw (1 pc)	Silver 250-029-723 FDP40-TREP-SL Amber 250-029-724 FDP40-TREP-UM White 250-029-725 FDP40-TREP-WT	  
Installation holes must be drilled in the upper track.						
End Stopper for Upper Track			• Parts Stopper + End Plate Included screws • Size 4 x 40 cross-recessed flat head tapping screws (2 pcs) • Size M4 x 5 cross-recessed binding screws Use: For use at the end of rails and perpendicular stacking rails.	Silver 250-029-776 FDP40-ESTP-SL Amber 250-029-777 FDP40-ESTP-UM White 250-029-778 FDP40-ESTP-WT	  	
Installation holes must be drilled in the upper track.						
End Stopper for Parallel Stacking Panels			• Parts Stopper + End Plate + Upper Track (60 mm) Included screws • Size 4 x 40 cross-recessed flat head tapping screws (2 pcs) • Size M4 x 5 cross-recessed binding screws Use: For connection to the stacking end of parallel stacking rails.	Silver 250-029-773 FDP40P-ESTP-SL Amber 250-029-774 FDP40P-ESTP-UM White 250-029-775 FDP40P-ESTP-WT	  	
Recessed Pull			• Main material: Zinc alloy (ZDC) Included screws • Size M4 x 25 cross-recessed round flat head screws	Satin nickel plating 100-010-096 HH-P135SN Chrome plating 100-010-097 HH-P135CR Dull chrome plating 100-010-098 HH-P135DC	  	

ARCHITECTURAL
DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

DOOR DAMPER



INSTRUCTION

LDD-V100



LDD-V100-NI-L shown.



Counter plate cover (Nickel/Dark brown)

Features

- Unique door damper applicable to door weight up to 100 kg.
- Suitable for door weight 40 - 100 kg.
- Damper body is completely hidden when the door is closed.
- Damper and door pull-in functions work just before the door fully closes, preventing the door from slamming shut.
- Door can be opened more easily as compared with door closer.
- Damper force is adjustable.
- Counter plate is 3-way adjustable.
- Can be used with the following hinges.

- HES3D-E190
- HES3D-160

Applications

Heavy duty interior door (shop, housing)

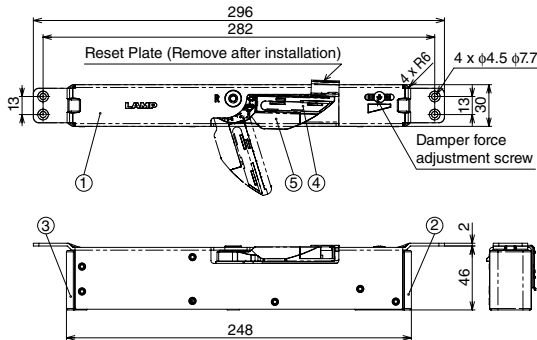
Parts Included

- Tapping screw 3.5 x 20
- Attachment Jig
- Cutout template

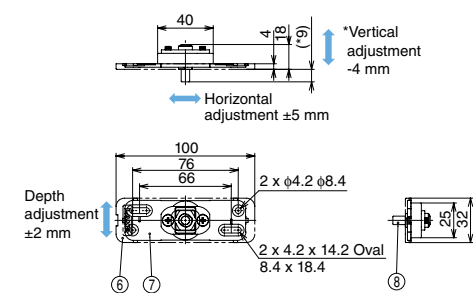
ARCHITECTURAL DOOR HARDWARE

DOOR DAMPER

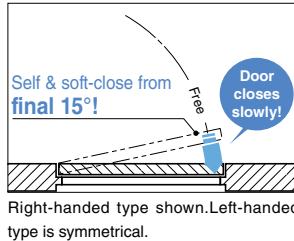
Body



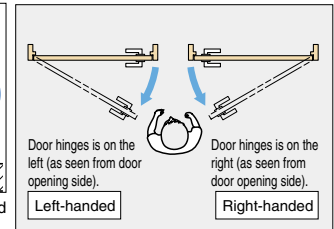
Counter Plate



Door Movement

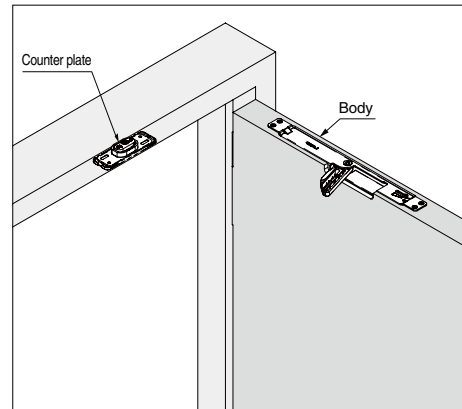


Door Hinge Side



*Below drawing shows right-handed type. Left-handed type is symmetrical.

Installation

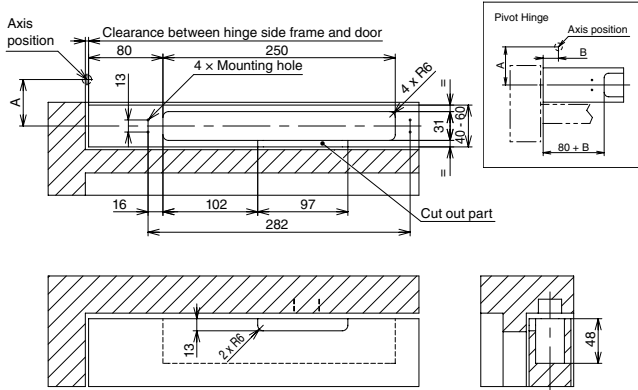


No.	Part Name	Material	Finish / Colour
①	Case	Steel (SPCC)	Nickel
②	Damper Base	POM	Grey
③	Spring Base	POM	Grey
④	Arm Cover	POM	Grey
⑤	Arm	Zinc Alloy (ZDC)	Nickel
⑥	Counter Plate Cover	ABS	Dark Brown/Nickel
⑦	Counter Plate Base	Zinc Alloy (ZDC)	-
⑧	Counter Plate Shaft	Steel (SUM)	Nickel

CAD	Item Code	Item Name	Type	Counter Plate Cover	Door Width	Door Thickness	Door Weight (kg)	Weight (g)	Box (pcs)	Carton (pcs)
2D/3D	270-034-821	LDD-V100-DBR-R	Right-handed	Dark Brown	Max. 900	40 - 60	40 - 100	920	1	10
2D/3D	270-034-822	LDD-V100-DBR-L	Left-handed					920	1	10
2D/3D	270-034-823	LDD-V100-NI-R	Right-handed	Nickel				920	1	10
2D/3D	270-034-824	LDD-V100-NI-L	Left-handed					920	1	10

Cut Out Dimensions for Door

LDD-V100-R (right-handed) shown. LDD-V100-L (left-handed) is symmetrical.



Dimension from frame to bore position of counter plate (mm)

Door Hinge	Clearance Between Hinge Side Frame and Door (mm)					
	1	2	3	4	5	
HES3D-160, E190	217	218	219	220	221	
Butt Hinge	A=20 - 35	220	221	222	223	224
	A=35 - 50	223	224	225	226	227
Pivot Hinge	A=20 - 35	220 + B	221 + B	222 + B	223 + B	224 + B
	A=35 - 50	223 + B	224 + B	225 + B	226 + B	227 + B

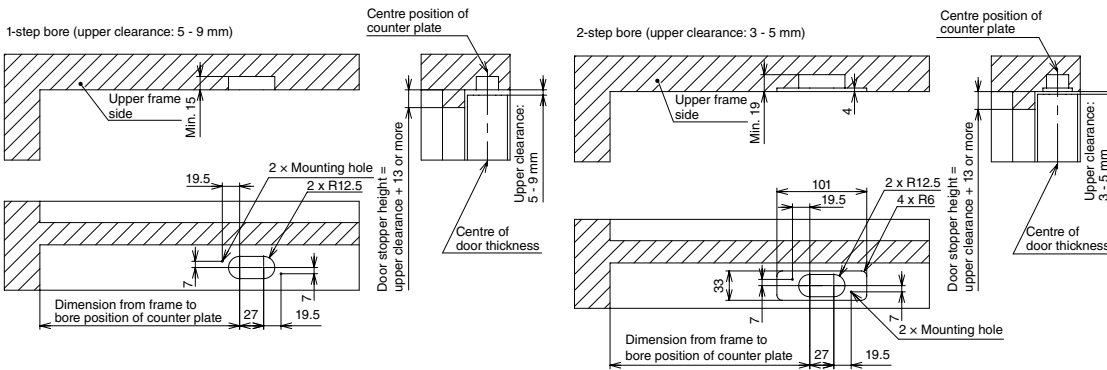
*If clearance between hinge side frame and door is beyond the range in the table above, calculate as per the table below.

Door Hinge	Dimension from Frame to Bore Position of Counter Plate (mm)	
HES3D-160, E190	216 + Clearance Between Hinge Side Frame and Door	
Butt Hinge	A=20 - 35	219 + Clearance Between Hinge Side Frame and Door
	A=35 - 50	222 + Clearance Between Hinge Side Frame and Door
Pivot Hinge	A=20 - 35	219 + B + Clearance Between Hinge Side Frame and Door
	A=35 - 50	222 + B + Clearance Between Hinge Side Frame and Door

* Refer to for 3-way adjustable concealed hinge HES3D.

Cut Out Dimensions for Frame

LDD-V100-R (right-handed) shown. LDD-V100-L (left-handed) is symmetrical.



⚠ Safety Cautions

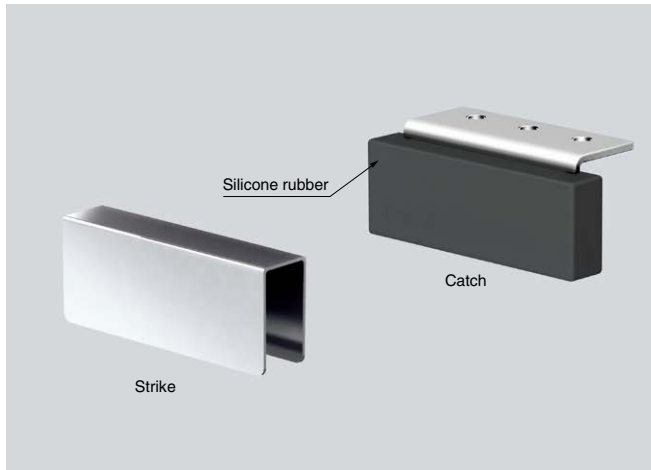
- Do not drop or give strong impact to this product.
- This product can not resist strong wind. Do not use it under strong wind, or the damper effect will decrease.
- If you close the door with excessive force, the damper effect may decrease.
- The door may not close enough depending on the case lock used.
- This product is designed for interior use. Do not use it outdoors.
- Do not use it at places subject to moisture and water.
- At the entrance of highly airtight room, the door closing speed and damper force may change, and the door may not close enough.
- The closing speed varies depending on the use environment (temperature, wind and hinges used on the door, etc.). Operating temperature: 0°C - 40°C
- Do not apply a load in the vertical direction or excessive force to pull-in arm. Otherwise, it may be damaged.
- Please install and adjust this product after adjusting the door hinges.
- Please use the door hinges within the adaptive door weight range of this product.
- Please install this product horizontally. Otherwise, it may not operate properly.
- After vertical adjustment of counter plate, tighten the fixing nut firmly.
- This product is supplied with installation instruction. Be sure to read before installation or use.
- Regularly check for looseness or dropout of screws during use.

MAGNETIC DOOR STOPPER (FOR GLASS)

Under Development

SUS

TEMPERED GLASS



Features

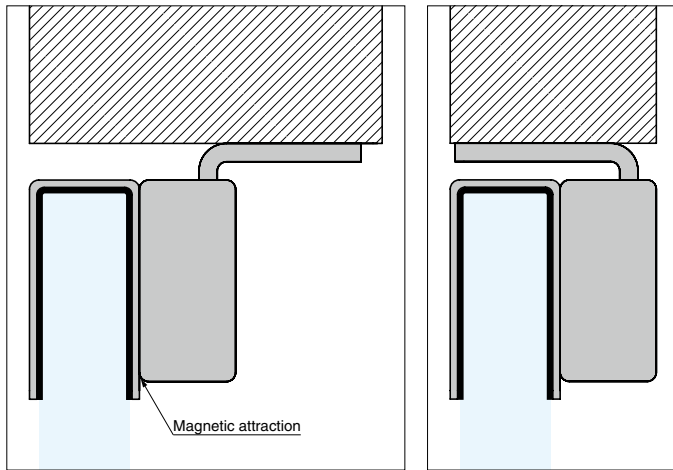
- This door stopper is ideal for use with the gravity hinge for glass doors.
- The silicone-encased magnet attracts the door gently.
- Can be used for areas such as shower booths where water is used.
- The magnet holds glass doors closed easily.
- Can also be attached to thin frames by changing the direction of the bracket.

Application

Shower cubicles

Usage Example

Can also be attached to thin frames by changing the direction of the bracket.



For standard frame use

For thin frame use

Understandable! Selectable! Usable!

Sugatsune Website

<http://www.sugatsune-intl.com>

You can visit the website to



- Check new product information



- View product introduction video



- Browse digital web catalogue

Refer to Back Cover



- Use product selection tool

Refer to Back Cover



- Download installation instructions

SUGATSUNE

Search

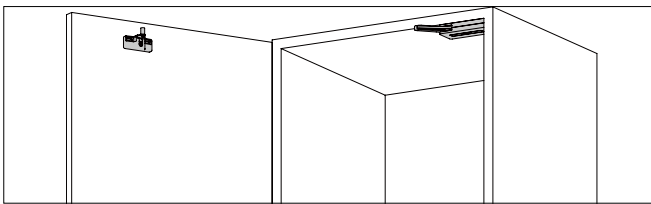
DAMPER CATCH



DC-200

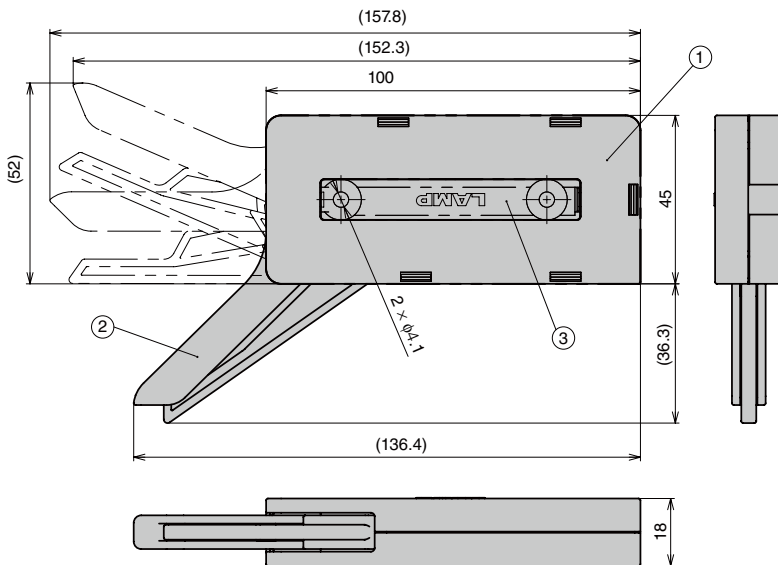


Installation Example

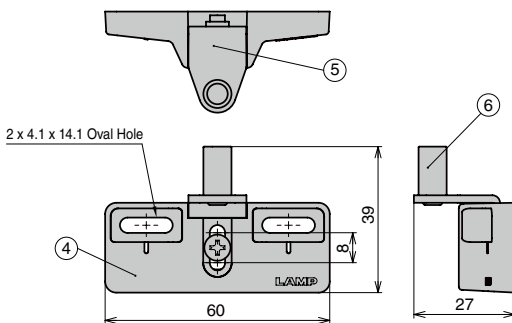


Attach to the interior of the cabinet.

Body



Counter Plate



Features

- Damper and catch combination for sideways opening doors.
- Prevents doors from slamming.
- Holds doors in closed position.
- Easy to install by simply aligning body with the interior wall.
- Non-handed.
- Can handle doors up to 40 kg. (When using DC-200 - 40).
- Strike can be adjusted post-installation: horizontally ± 5 mm, vertically ± 4 mm.
- Passed 50,000 open/close cycles in a private test.

Recommended hinges

- Heavy Duty Concealed Hinge J95 (With catch type)
- 3way Adjustable Concealed Hinge HES3D-90
- Single axis furniture hinges

Caution

- The screws for installing on sheet metal are not included. We recommend the following screws:
Recommended screws for body: Cross binding head M4 \times 30
Recommended screws for counter plate: Cross binding head M4 \times 15
- Do not install to body or strike to hollow surfaces.
- If there is a large resistant force during closing, the door may not close fully.

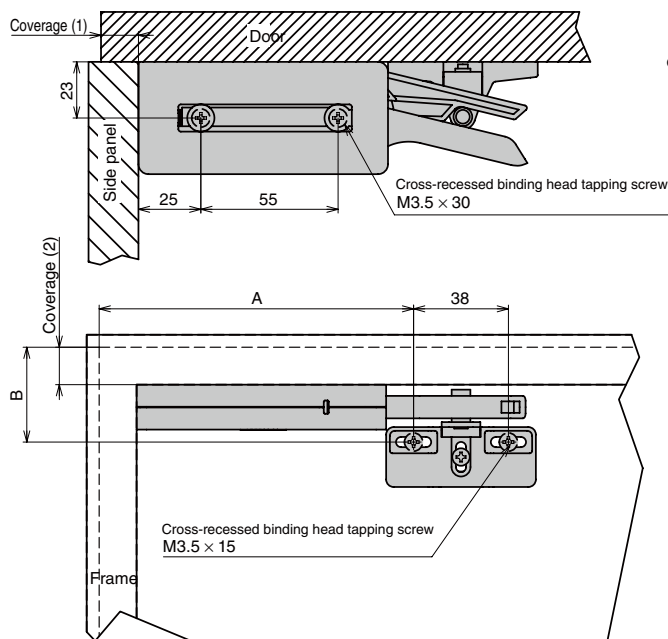
Parts included

- Body Cover
- Counter
- Screws to attach body: 3.5 \times 30
- Screws to attach counter: 3.5 \times 15

No.	Item Name	Materials	Finish/Colour
①	Body	PC/ABS	White / Black
②	Arm	PA	White / Black
③	Body Cover	ABS	White / Black
④	Counter	PC/ABS	White / Black
⑤	Counter Plate	Steel (SPCC)	Nickel Plating
⑥	Bumper	Elastomer	Gray

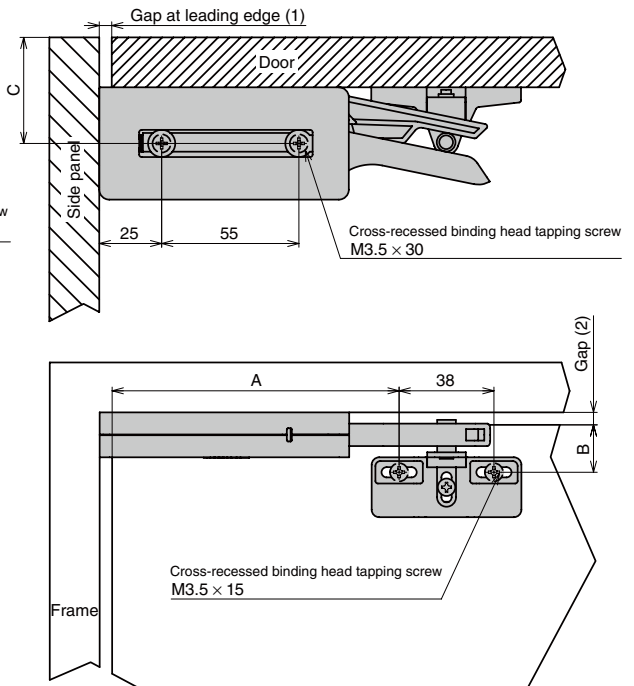
CAD	Item Code	Item Name	Colour	Door Width	Door Height	Load Capacity (kg)	Weight (g)
2F 3D	140-043-604	DC-200-25WT	White	450 - 900	Under 2400	7 - 25	105
2F 3D	140-043-605	DC-200-25BL	Black				
2F 3D	140-043-606	DC-200-40WT	White			25 - 40	
2F 3D	140-043-607	DC-200-40BL	Black				

For lapped (outset) doors



For inset doors

Install a door stopper in addition to this product.

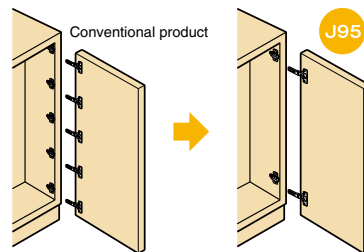


	A	B	C
Outset Doors	114 + Coverage (1)	24 + Coverage (2)	
Inset Doors	114 - gap at leading edge (1)	24 - gap (2)	23+Door Thickness

Related Products

ONE-TOUCH SLIDING HINGE FOR HEAVY DOORS

J95



Two pieces will do the job of five conventional hinges!

Features

- A sliding hinge for heavy doors that can be used together with the DC-200 damper catch.
 - Use the type with a catch **if using together** with the DC-200 damper catch.
 - Supports large doors weighing up to 25 kg with 2 hinges or up to 40 kg with 3 hinges.
 - Enables one-touch installation and removal of the door.
 - Enables three-dimensional adjustment of the door. (+1.5 mm/-2.5 mm forward/back, ±3 mm up/down, +0 mm/-4 mm coverage adjustment [left/right])
 - Streamlined design free of protrusions such as adjustment screws on the body top.
- To ensure safety, the lock lever does not protrude from the back of the body.

Related Products

LAPCON DOOR DAMPER

LDD-S, LDD-V



LDD-S



LDD-V



Features

- A damper for doors (fixtures).
- Enables the door to be opened with less force than with door closers.
- Supports doors weighing up to 40 kg.
- Contact us if your door is wider than 900 mm.

SLIDING DOOR SYSTEM

FD30-H



	a	b	c	d
	Two-Way Soft Close	One-Way Soft Close	Standard Sliding	Standard Sliding
Roller	Recessed Mount	Recessed Mount	Recessed Mount	Side Mount
Door Weight	Max. 30 kg/door			
Door Thickness (Min.)	24 mm	24 mm	24 mm	28 mm
Door Width	590 - 1000 mm	510 - 1000 mm	Max. 1000 mm	Max. 1000 mm
Door Height	Max. 2400 mm			
Height Adjustment	-3/+4 mm	-3/+4 mm	±4 mm	±4 mm
Side Adjustment	±2 mm	±2 mm	±2 mm	-

Features

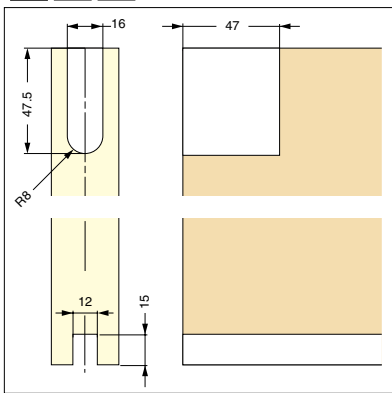
- Thin profile allows for flexible design and many different types of installations.
- Damper equipped for soft & silent closing at the end (a) and (b) models only.
- Each model has passed 200,000 open and close cycles in a private test.

*Designed for interior use.

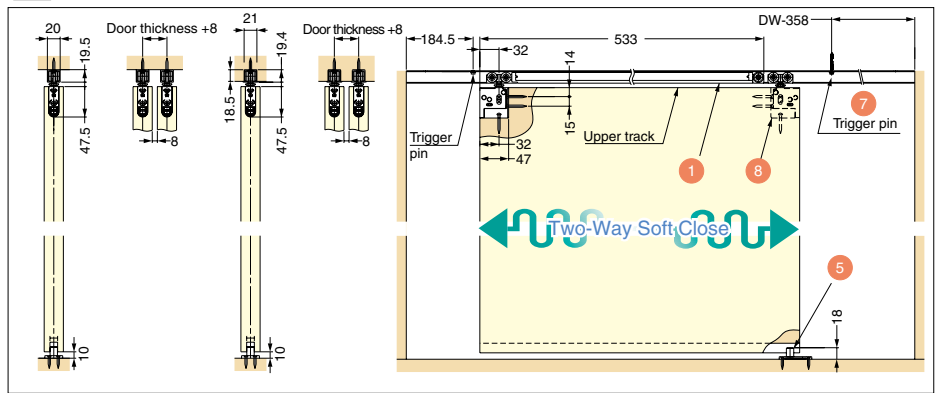
ARCHITECTURAL DOOR HARDWARE

SLIDING DOOR SYSTEM

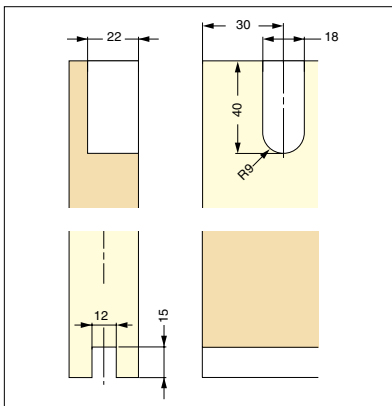
a b c Door Preparation



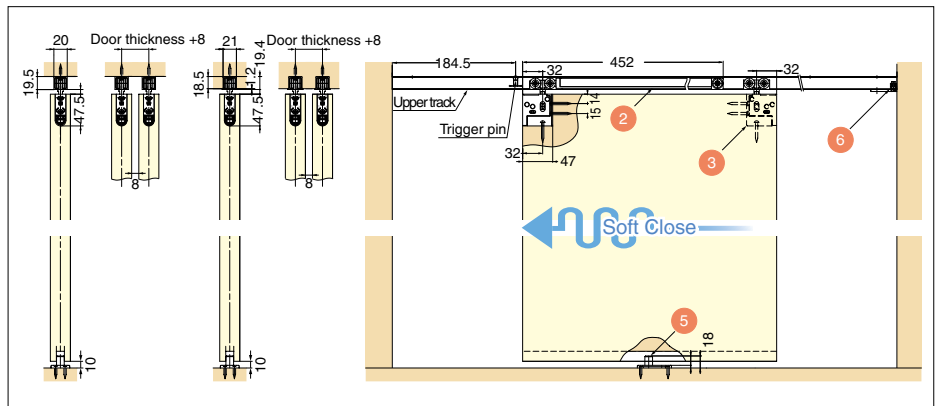
a FD30 / Recessed Mount Roller / Two-Way Soft Close



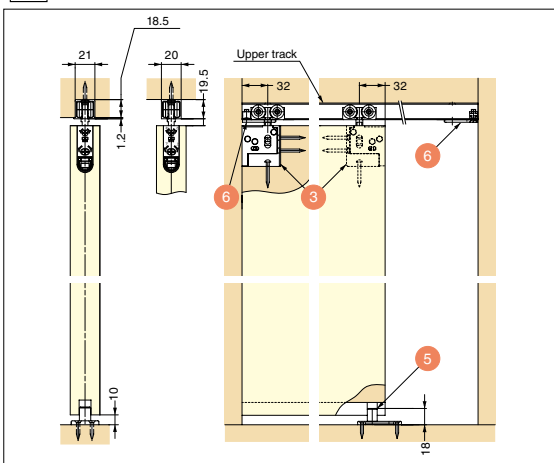
d Door Preparation



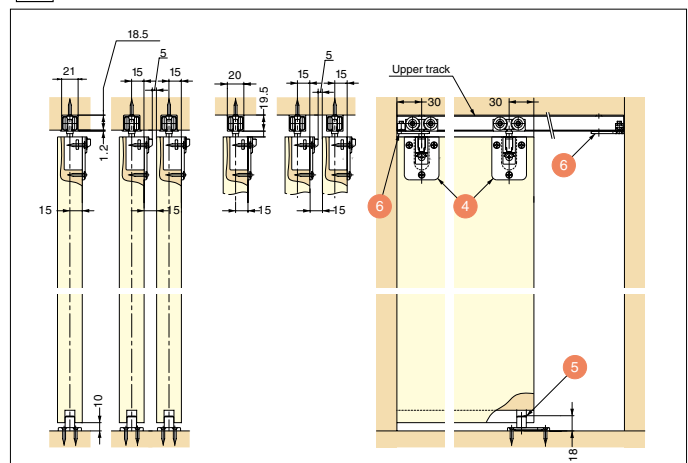
b FD30 / Recessed Mount Roller / One-Way Soft Close



c FD30 / Recessed Mount Roller / Standard Sliding



d FD30 / Side Mount Roller / Standard Sliding



Parts Set (Per Door)		Necessary Parts	
Please refer to "Qty a - d" for parts included in each set.			
Item Code	Item Name	Description	
a	250-020-829	FD30-DHCP	Recessed Roller Two-Way Soft Close
b	250-017-901	FD30-HCP	Recessed Roller One-Way Soft Close
c	250-017-903	FD30-HHP	Recessed Roller Standard Sliding
d	250-017-904	FD30-HUP	Side-Mount Roller Standard Sliding

Parts Included

No.	Qty				Part Name	Dimensions	Description
	a	b	c	d			
1	1 pc	-	-	-	Recessed-Roller Two-Way Soft Closer		Item Code : 250-030-386 Item Name : FD30-WRH-DSC <ul style="list-style-type: none"> Material Zinc Alloy / Polyacetal Finish Yellow Zinc Chromate / Light Brown
2	-	1 pc	-	-	Recessed-Roller One-Way Soft Closer		Item Code : 250-029-937 Item Name : FD30-WRH-SC <ul style="list-style-type: none"> Material Zinc Alloy / Polyacetal Finish Yellow Zinc Chromate / Light Brown
3	-	1 pc	2 pcs	-	Recessed Roller		Item Code : 250-026-120 Item Name : FD30-WRH <ul style="list-style-type: none"> Material Zinc Alloy / Polyacetal Finish Yellow Zinc Chromate / Light Brown
4	-	-	-	2 pcs	Side Mount Roller		Item Code : 250-017-142 Item Name : FD30-WRU <ul style="list-style-type: none"> Material Steel / Polyacetal Finish Yellow Zinc Chromate / Brown
5	1 pc	1 pc	1 pc	1 pc	Floor Guide		Item Code : 250-017-151 Item Name : FD30-HBG-LBR <ul style="list-style-type: none"> Material Steel / Polyamide Finish Yellow Zinc Chromate / Light Brown
6	-	1 pc	2 pcs	2 pcs	End Catch		Item Code : 250-019-969 Item Name : FD30-HTST-DB <ul style="list-style-type: none"> Material Steel / Polyamide Finish Yellow Zinc Chromate / Brown
7	1 pc	-	-	-	Trigger Pin		Included in 1 Item Name : FD30-TRG <ul style="list-style-type: none"> Material Steel Finish Zinc Chromate
8	1 pc	-	-	-	Recessed Roller For Two-Way Soft Closer		Item Code : 250-020-837 Item Name : FD30-WRH-N <ul style="list-style-type: none"> Material Zinc Alloy / Polyacetal Finish Yellow Zinc Chromate / Light Brown

Cover Cap		Necessary Parts		
No.	Item Code	Part Name	Dimensions	Description
	250-018-785	Cover Cap		<ul style="list-style-type: none"> Material Polypropylene Finish White
	FD30-WRH-CP-WT			<ul style="list-style-type: none"> Material Polypropylene Finish Light Brown
9	250-017-138	FD30-WRH-CP-LBR		<ul style="list-style-type: none"> Material Polypropylene Finish Dark Brown
	250-018-786	FD30-WRH-CP-DB		

Optional Parts				
No.	Item Code	Part Name	Dimensions	Description
10	250-018-497	Door Stopper		<ul style="list-style-type: none"> Material Zinc Alloy / Rubber Finish Grey
	FD30-HTKY			
11	250-017-139	Stopper Block		<ul style="list-style-type: none"> Material Polyacetal Finish Dark Brown
	FD30-HSB			
12	250-017-156	Bottom Guide		<ul style="list-style-type: none"> Material Polyamide Finish Light Brown
	FD30-HGW			
13	250-021-996	Door Guide Track		<ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
	FD30-HBRT1000SIL			

ARCHITECTURAL DOOR HARDWARE

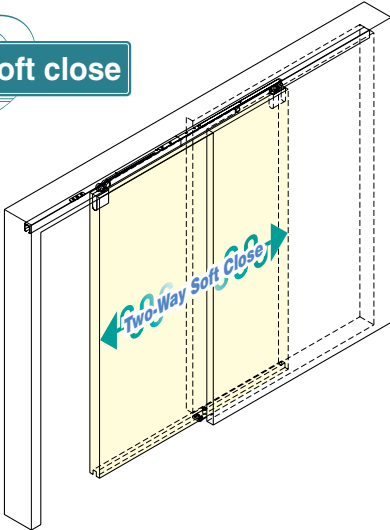
SLIDING DOOR SYSTEM

Upper Track		Necessary Parts		
Mounting	Length	Item Code	Dimensions	Description
Surface Mount	1820 mm	250-017-131		For Standard Sliding <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD30-TRM1820SIL		
	2730 mm	250-017-966		For Standard Sliding <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD30-TRM2730SIL		
	3640 mm	250-017-970		For Standard Sliding <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD30-TRM3640SIL		
1820 mm	FD30-TRM1820SCSIL		For Soft-Closing <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver 	
				250-017-978
				250-017-982
2730 mm	FD30-TRM2730SCSIL		For Soft-Closing <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver 	
3640 mm	FD30-TRM3640SCSIL		For Soft-Closing <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver 	

Mounting	Length	Item Code	Dimensions	Description
Recessed Mount	1820 mm	250-017-133		For Standard Sliding <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD30-TRH1820SIL		
	2730 mm	250-017-968		For Standard Sliding <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD30-TRH2730SIL		
	3640 mm	250-017-972		For Standard Sliding <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD30-TRH3640SIL		
1820 mm	FD30-TRH1820SCSIL		For Soft-Closing <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver 	
				250-017-980
				250-017-984
2730 mm	FD30-TRH2730SCSIL		For Soft-Closing <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver 	
3640 mm	FD30-TRH3640SCSIL		For Soft-Closing <ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver 	

POCKET DOOR SYSTEM

FD30DHCP-PD



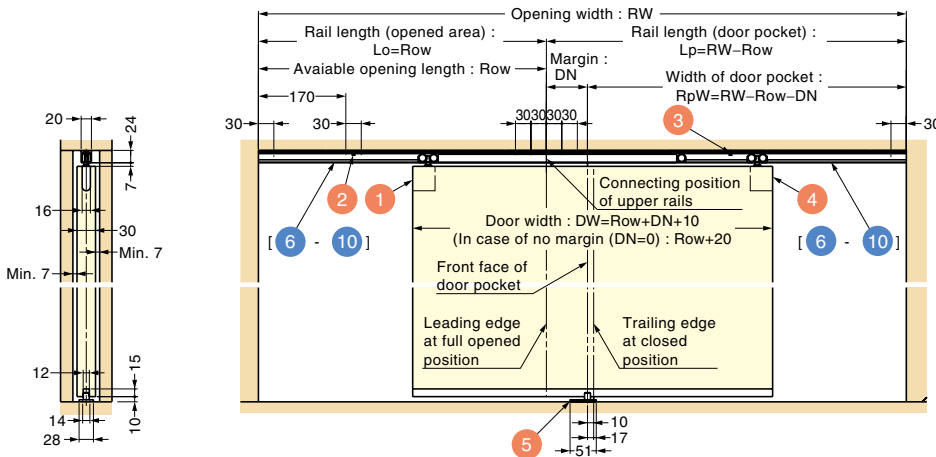
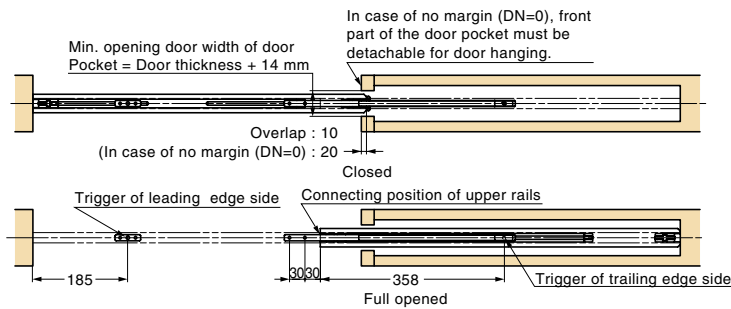
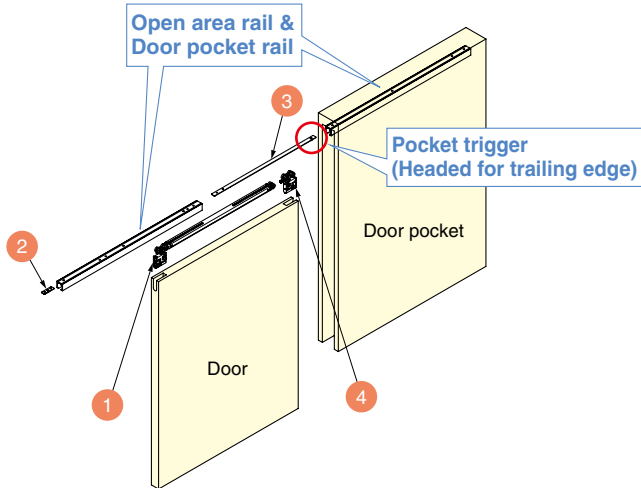
Door Weight	Max. 30 kg
Door Thickness	Min. 30 mm
Door Width	590 - 1000 mm
Door Height	Max. 2400 mm
Specification	Single Door Use

Features

- Built in sequential damper.
- Self and soft closes when 100mm away from closing position. Door also opens lightly.
- Within 50 mm of being fully open, will automatically open gently.
- Separated upper rail allows easy maintenance post-installation.
- Thin profile allows flexible design with multiple potential applications.
- Passed 200,000 open and close cycles in a private test.
- *Designed for interior use.

ARCHITECTURAL DOOR HARDWARE

POCKET DOOR SYSTEM



* () show the dimensions when using cover caps.



**Parts Set
(Per Door)**

Necessary Parts

Item Code	Item Name	Description
250-029-768	FD30DHCP-PD	Recessed Roller Two-Way Soft Close

Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Recessed Roller Two-way Soft Close		Item Code : 250-026-118 Item Name : FD30-WRH-DSC-A <ul style="list-style-type: none"> Material Zinc Alloy (ZDC) / Polyacetal (POM) Finish Yellow Zinc Chromate / Light Brown Screw Pan Head Tapping Screw 3.5x30
2	1 pc	Front Trigger		Item Code : 250-029-705 Item Name : FD30-TRGPF <ul style="list-style-type: none"> Material Steel (SPCC) Finish Chromate
3	1 pc	Pocket Trigger		Item Code : 250-029-704 Item Name : FD30-TRGPB <ul style="list-style-type: none"> Material Steel (SPCC) Finish Chromate
4	1 pc	Recessed Roller		Item Code : 250-020-837 Item Name : FD30-WRH-N <ul style="list-style-type: none"> Material Zinc Alloy (ZDC) / Polyacetal (POM) Finish Yellow Zinc Chromate / Light Brown Screw Pan Head Tapping Screw 3.5x30
5	1 pc	Floor Guide		Item Code : 250-017-151 Item Name : FD30-HBG-LBR <ul style="list-style-type: none"> Material Steel / Polyamide (PA) Finish Yellow Zinc Chromate / Light Brown Screw Countersunk Head Tapping Screw 3.5x30

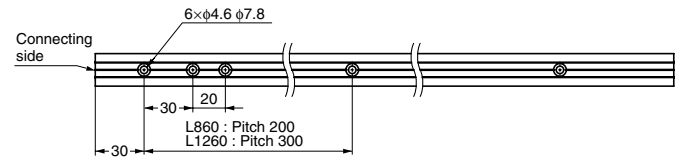
Upper Track

Necessary Parts

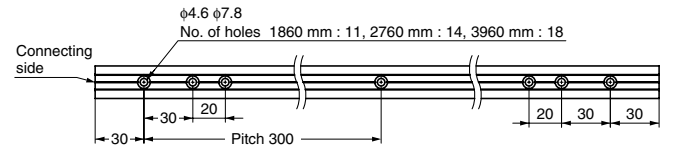
No.	Length	Item Code	Part Name	Dimensions	Description
6	860 mm	250-029-665			<ul style="list-style-type: none"> Material Aluminium Alloy Finish Anodized Silver
		FD30-TRMP860-SL			
7	1260 mm	250-029-666			
		FD30-TRMP1260-SL			
8	1860 mm	250-029-667			
		FD30-TRMP1860-SL			
9	2760 mm	250-029-668			
		FD30-TRMP2760-SL			
10	3960 mm	250-029-669			
		FD30-TRMP3960-SL			

Hole Dimensions of Upper Track

• In case of 860 mm & 1260 mm



• In case of 1860 mm, 2760 mm & 3960 mm

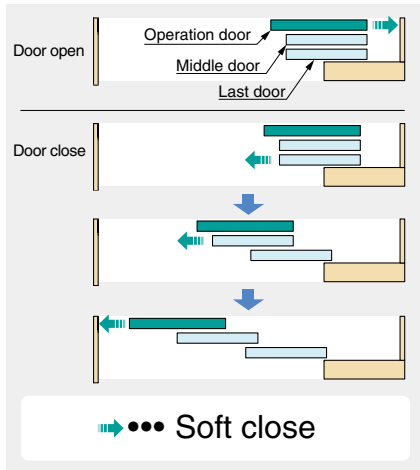


ARCHITECTURAL
DOOR HARDWARE

POCKET DOOR SYSTEM

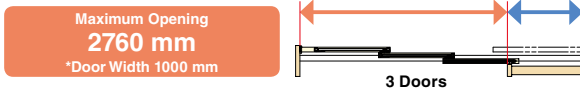
MULTIPLE SYNCHRONIZED SLIDING DOOR SYSTEM

FD30-HRP



2 or 3 Doors Synchronized Sliding Style	
Door Weight	Max. 30 kg/Door
Door Thickness	30 - 38 mm
Door Width	590 - 1000 mm
Height Adjustment	-3/+4 mm
Side Adjustment	±2 mm

Maximum Opening Clearance



ARCHITECTURAL DOOR HARDWARE

MULTIPLE SYNCHRONIZED SLIDING DOOR SYSTEM

Parts Set Necessary Parts
Please refer to "Qty a - b" for parts included in each set.

Item Code	Item Name	Description	
		Roller	Function
a 250-022-267	FD30-HRP2	Recessed	2Doors Synchronized
b 250-022-268	FD30-HRP3	Recessed	3Doors Synchronized

Parts Included

No.	Qty		Part Name	Dimensions	Description
	a	b			
1	1 pc	1 pc	Recessed-Roller Soft-Closer (Two-Way)		Item Code : 250-030-386 Item Name : FD30-WRH-DSC • Material Zinc Alloy / Polyacetal • Finish Yellow Zinc Chromate / Light Brown
2	1 pc	2 pcs	Recessed-Roller Soft-Closer (One-Way)		Item Code : 250-029-937 Item Name : FD30-WRH-SC • Material Zinc Alloy / Polyacetal • Finish Yellow Zinc Chromate / Light Brown
3	2 pcs	3 pcs	Recessed-Roller		Item Code : 250-020-837 Item Name : FD30-WRH-N • Material Zinc Alloy / Polyacetal • Finish Yellow Zinc Chromate / Light Brown
4	* pcs	* pcs	Trigger-Pin		Item Code : 250-019-967 Item Name : FD30-TRG • Material Steel • Finish Yellow Zinc Chromate *1 pc is included in 1.
5	1 set	2 sets	End Stopper		Item Code : 250-022-261 Item Name : FD30-HRGU • Material SUS 304 / POM • Finish Grey / Plain
6	1 pc	2 pcs	Door Guide (Door Mount)		Item Code : 250-022-262 Item Name : FD30-HRDG • Material SUS 304 / POM • Finish Grey / Plain

No.	Qty		Part Name	Dimensions	Description
	a	b			
7	1 pc	1 pc	Door Guide (Wall Mount)		Item Code : 250-022-263 Item Name : FD30-HBGF • Material SUS 304 / POM • Finish Grey / Plain
8	1 pc	1 pc	Block for Bottom Guide		Item Code : 250-022-264 Item Name : FD30-HRDB • Material EPDM • Finish Black
9	1 pc	2 pcs	Bumper Block		Item Code : 250-022-265 Item Name : FD30-HBB • Material Steel / EPDM • Finish Chromate / Black
10	2 pcs	3 pcs	Guide Track		Item Code : 250-022-266 Item Name : FD30-HBDR1000 • Material ABS • Finish Black

Cover Cap Necessary Parts

No.	Item Code	Part Name	Dimensions	Description
11	250-018-785	Cover Cap		• Material Polypropylene • Finish WT=White CP=Light Brown DB=Dark Brown
	FD30-WRH-CP-WT			
	250-017-138			
	FD30-WRH-CP-LBR			
11	250-018-786	Cover Cap		• Material Polypropylene • Finish WT=White CP=Light Brown DB=Dark Brown
	FD30-WRH-CP-DB			

Optional Parts

No.	Item Code	Part Name	Dimensions	Description
12	250-017-157	Bottom Guide		• Material Polyamide • Finish Light Brown
	FD30-HTF			

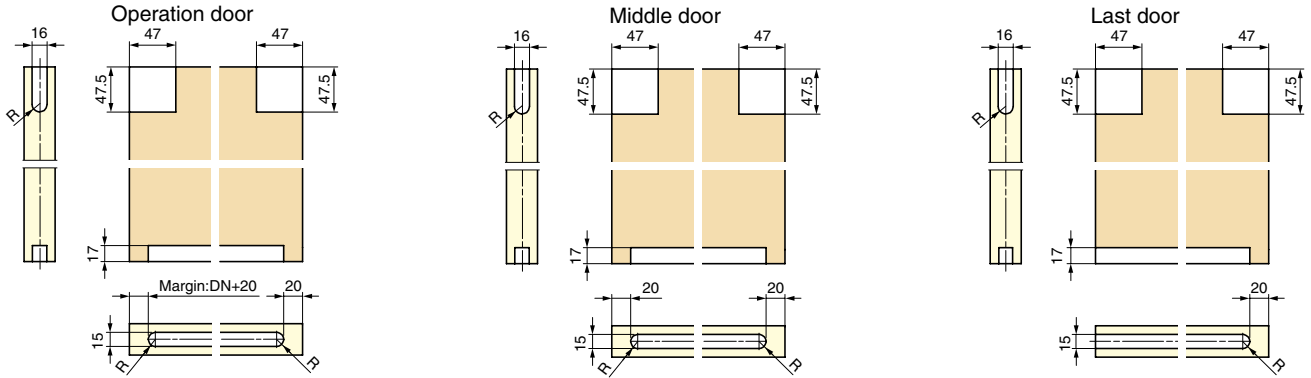
Upper Track Necessary Parts

Mounting	Length	Item Code	Dimensions	Description
Surface Mount	1820 mm	250-017-805		• Material Aluminium • Finish Anodized Silver
		FD30-TRM1820SCSIL		
	2730 mm	250-017-978		• Material Aluminium • Finish Anodized Silver
		FD30-TRM2730SCSIL		
3640 mm	250-017-982	• Material Aluminium • Finish Anodized Silver		
	FD30-TRM3640SCSIL			

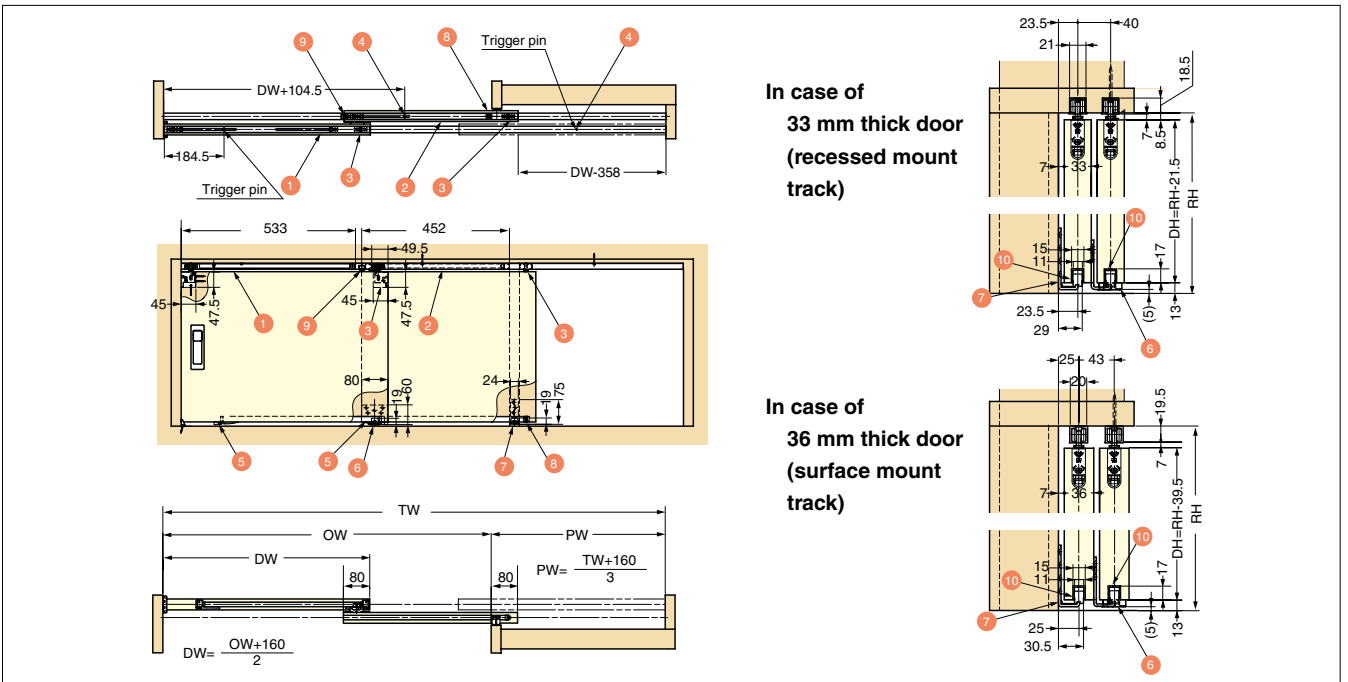
Mounting	Length	Item Code	Dimensions	Description
Recessed Mount	1820 mm	250-017-807		• Material Aluminium • Finish Anodized Silver
		FD30-TRH1820SCSIL		
	2730 mm	250-017-980		• Material Aluminium • Finish Anodized Silver
		FD30-TRH2730SCSIL		
3640 mm	250-017-984	• Material Aluminium • Finish Anodized Silver		
	FD30-TRH3640SCSIL			



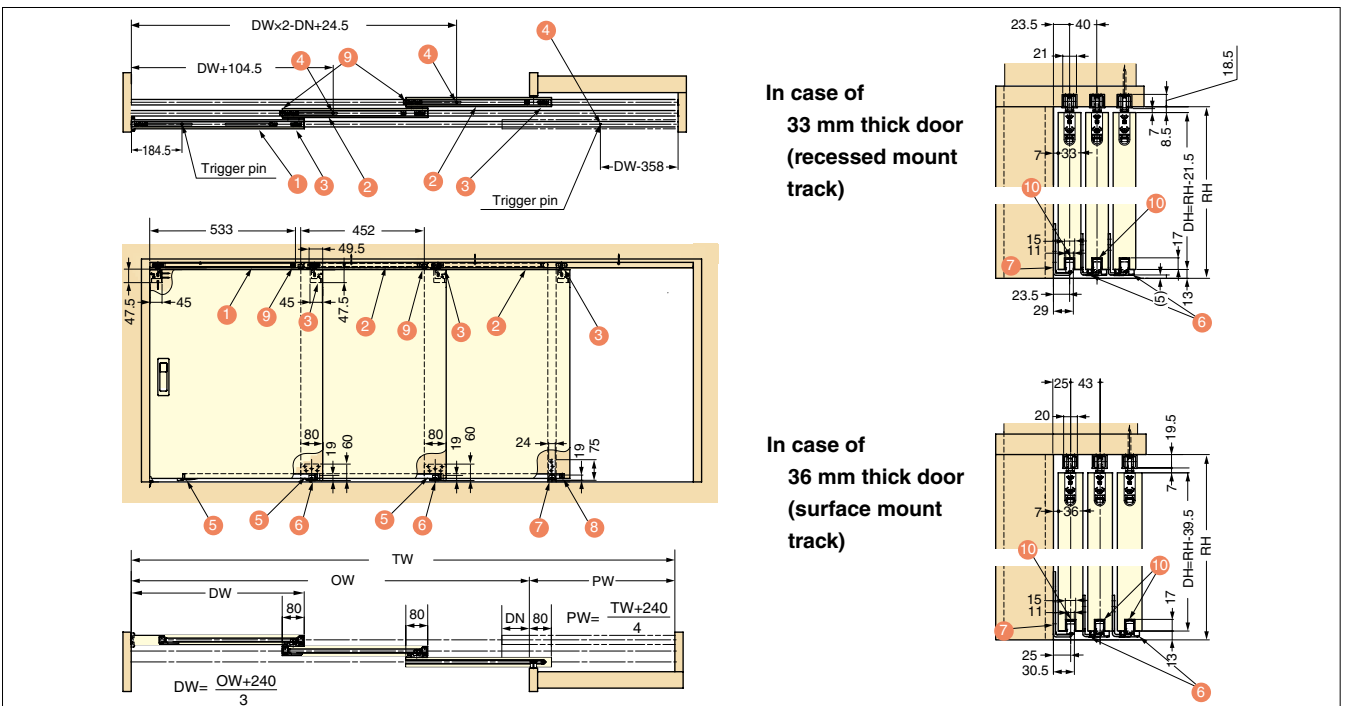
Door Preparation



a FD30 / Synchronized Sliding / 2 Doors



b FD30 / Synchronized Sliding / 3 Doors



ARCHITECTURAL
DOOR HARDWARE

MULTIPLE SYNCHRONIZED SLIDING DOOR SYSTEM

OUTSET SLIDING DOOR SYSTEM



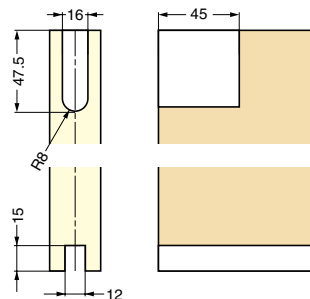
FD30-H

Door Weight	Max. 30 kg/Door
Door Thickness	30 - 36 mm
Door Width	590 - 1000 mm
Door Height	Max. 2400 mm
Height Adjustment	-3/+4 mm
Side Adjustment	±2 mm

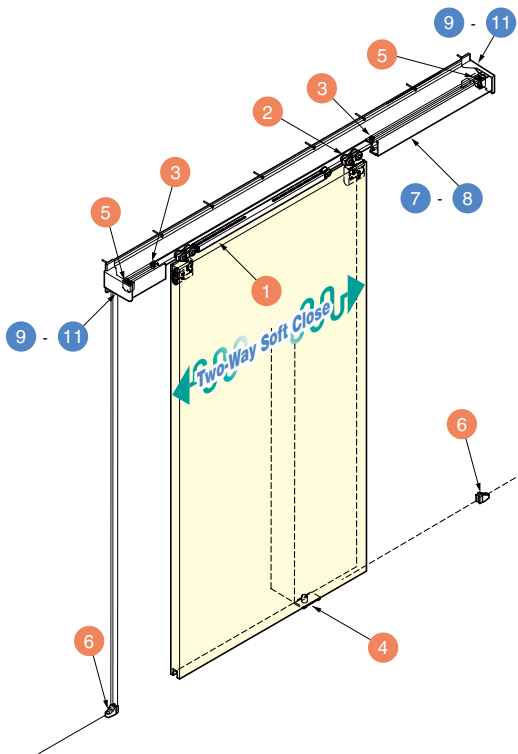
Features

- Can be retrofitted onto existing entranceways.
- Self closes (pulls door to closed position) when 100mm away. Door also opens lightly.
- Within 50mm of being fully open, will automatically open.
- 2 sequence soft-close on both sides makes doors open and close gently, preventing shutting.
- Passed 200,000 open and close cycles in a private test.
- *Designed for interior use.

Door Preparation

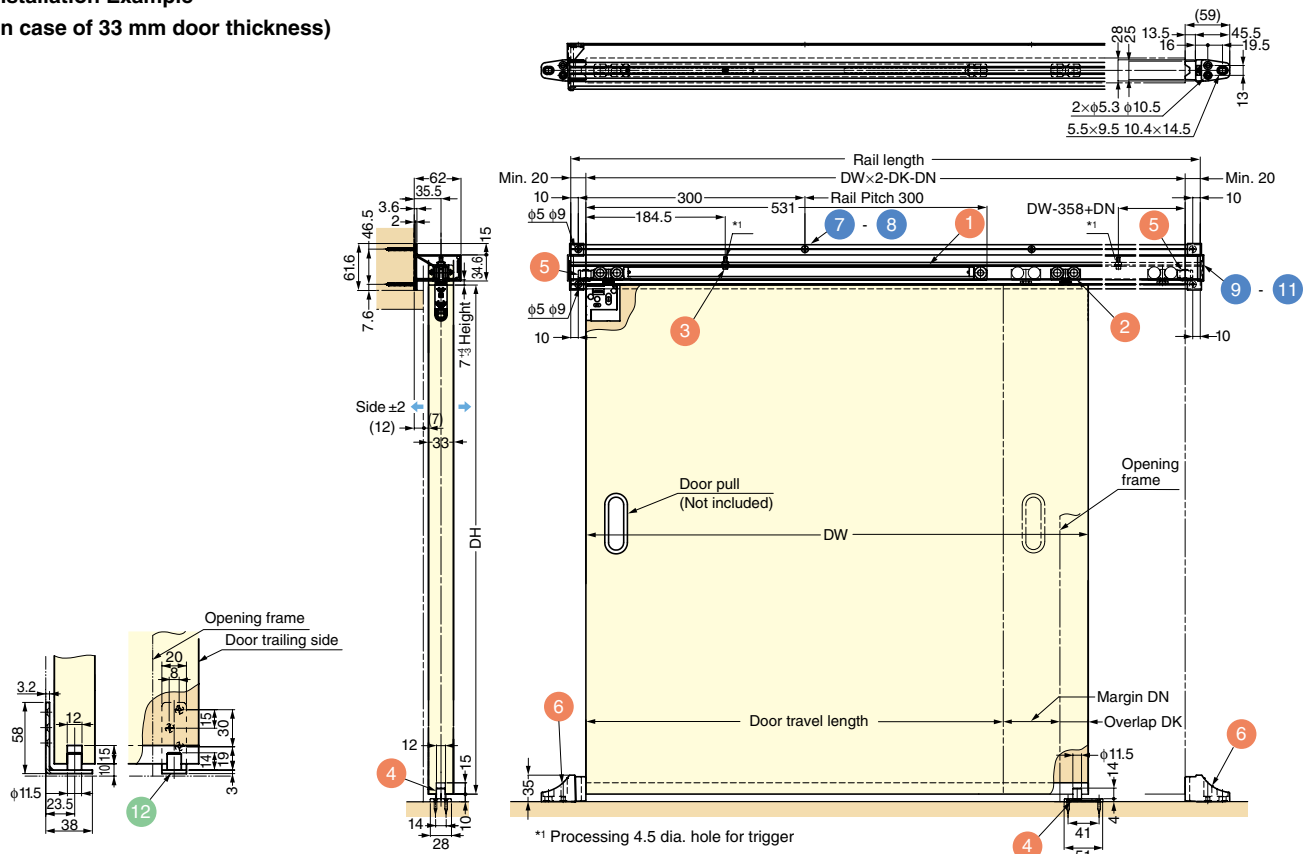


ARCHITECTURAL DOOR HARDWARE



Installation Example
(In case of 33 mm door thickness)

OUTSET SLIDING DOOR SYSTEM



**Parts Set
(Per Door)**

Necessary Parts

Item Code	Item Name	Description
250-022-275	FD30DHCP-AK	Two-Way Soft Close / Outset Use

Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Recessed Roller Two-Way Soft Close		Item Code : 250-026-118 Item Name : FD30-WRH-DSC-A • Material Zinc Alloy (ZDC) / Polyacetal (POM) • Finish Yellow Zinc Chromate / Light Brown • Screw Pan Head Tapping Screw 3.5x30
2	1 pc	Recessec Roller		Item Code : 250-020-837 Item Name : FD30-WRH-N • Material Zinc Alloy (ZDC) / Polyacetal (POM) • Finish Yellow Zinc Chromate / Light Brown • Screw Pan Head Tapping Screw 3.5x30
3	1 set	Trigger for Outset Use		Item Code : 250-022-274 Item Name : FD30-HATG • Material Steel • Finish Chromate 2 pcs, M4 Nuts
4	1 pc	Floor Guide		Item Code : 250-017-151 Item Name : FD30-HBG-LBR • Material Steel / Polyamide (PA) • Finish Yellow Zinc Chromate / Light Brown • Screw Countersunk Head Tapping Screw 3.5x30 White, Dark Brown are also available.
5	2 pcs	Bumper Block		Item Code : 250-022-265 Item Name : FD30-HBB • Material Steel / Ethylene Propylene Rubber (EPDM) • Finish Chromate / Black
6	2 pcs	Door Stopper (Floor)		Item Code : 250-018-497 Item Name : FD30-HTKY • Material Zinc Alloy (ZDC) / Rubber • Finish Matte Silver / Black Application For floor mount application. • Screw Binding Head Tapping Screw 4x30

Upper Track

Necessary Parts

No.	Length	Item Code	Part Name	Dimensions	Description
7	2100 mm	250-022-269	Item Name FD30-TRA2100SL		• Material Aluminium Alloy • Finish Anodized Silver +Clear • Screw Countersunk Head Tapping Screw 4x40
8	2730 mm	250-022-271	Hole Pitch 300 mm Pitch End 10 mm		

Side Cover

Necessary Parts

No.	Colour	Item Code	Part Name	Dimensions	Description
9	Grey (Set for L&R)	250-022-273	Item Name FD30-HASC-GR		• Material Steel / ABS • Finish/Colour Chromate / Grey • Screw Cross-recessed Head Machine Screw 4x25 (phi 6)
10	Brown (Set for L&R)	250-022-449	Item Name FD30-HASC-BR		• Material Steel / ABS • Finish/Colour Chromate / Brown • Screw Cross-recessed Head Machine Screw 4x25 (phi 6)
11	White (Set for L&R)	250-025-640	Item Name FD30-HASC-WT		• Material Steel / ABS • Finish/Colour Chromate / White • Screw Cross-recessed Head Machine Screw 4x25 (phi 6)

Optional Parts

No.	Item Code	Part Name	Dimensions	Description
12	250-019-968	Guide Roller for Wall		• Material Steel / Polyacetal (POM) • Finish Yellow Zinc Chromate / Light Brown Application For wall mount application. • Screw Countersunk Head Tapping Screw 3.5x30

ARCHITECTURAL
DOOR HARDWARE

OUTSET SLIDING DOOR SYSTEM

SLIDING DOOR SYSTEM

FD50-H



	a	b	c	d
	Two-Way Soft Close	Standard Sliding	Two-Way Soft Close	Standard Sliding
Roller	Recessed Mount	Recessed Mount	Surface Mount	Surface Mount
Door Weight	Max. 50 kg			
Door Thickness (Min.)	24 mm	24 mm	30 mm	30 mm
Door Width	680-1500 mm* 800-1500 mm**	Max. 1500 mm* 800-1500 mm**	774-1500 mm* 800-1500 mm**	Max. 1500 mm* 800-1500 mm**
Door Height	Max. 2700 mm			
Height Adjustment	-3/+4 mm		±4 mm	
Side Adjustment	±2 mm		-	

* When the door is 2400 mm or less in height.

**When the door is 2401 - 2700 mm in height.

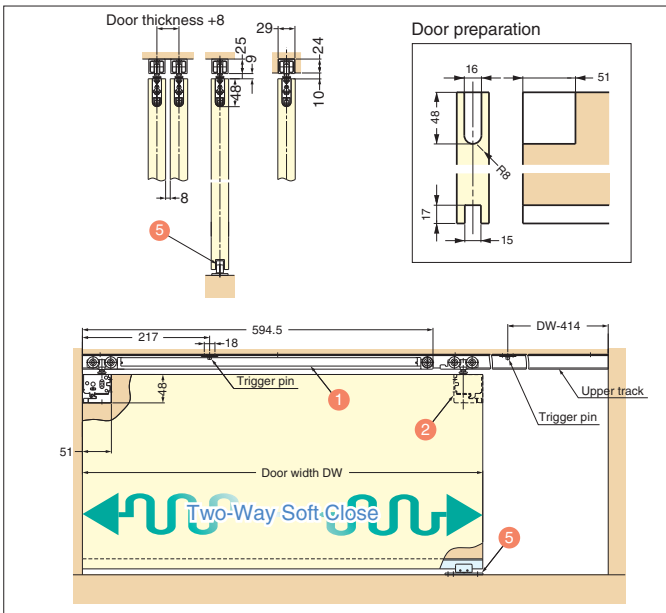
Features

- Thin profile allows flexible design with multiple potential applications.
- Damper equipped for soft and self closing ([a] [c] only).
- Each model has passed 200,000 open and close cycles in a private test.

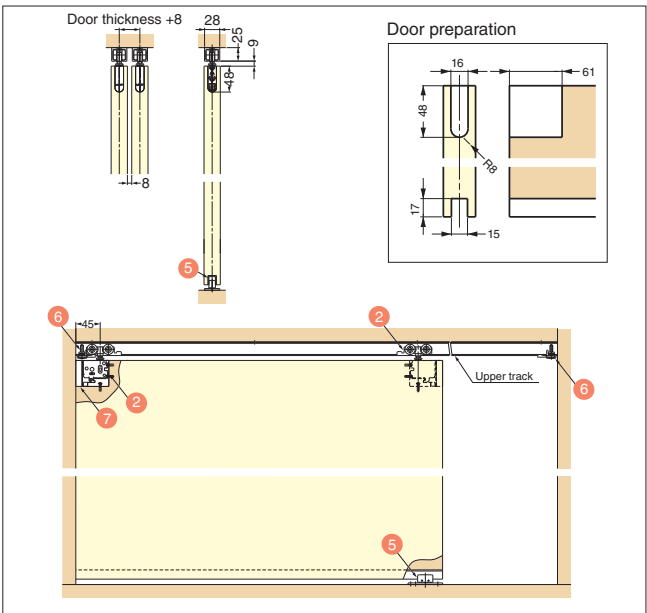
ARCHITECTURAL DOOR HARDWARE

SLIDING DOOR SYSTEM

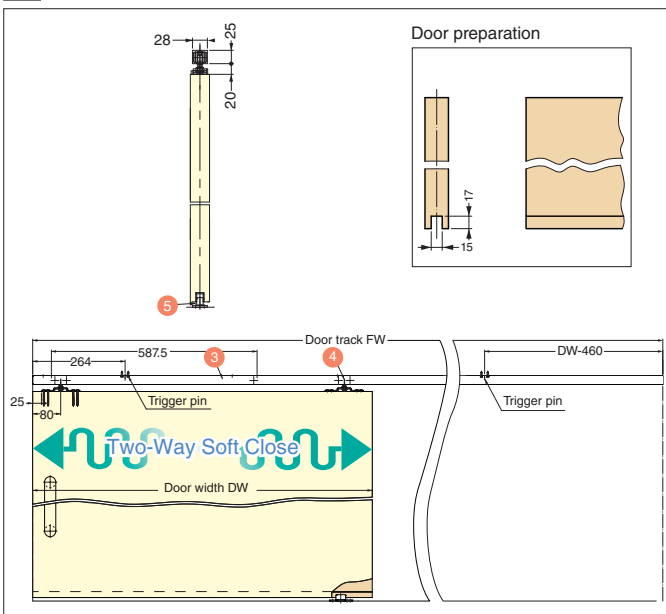
a FD50 / Recessed Mount Roller / Two-Way Soft Close



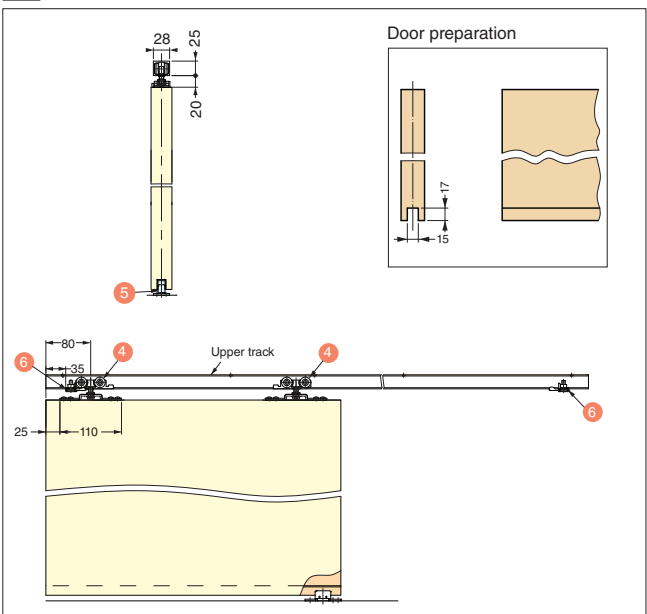
b FD50 / Recessed Mount Roller / Standard Sliding



c FD50 / Surface Mount Roller / Two-Way Soft Close












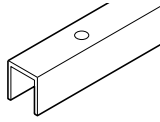
d FD50 / Surface Mount Roller / Standard Sliding



Parts Set (Per Door)		Necessary Parts	
Please refer to "Qty [a] - [d]" for parts included in each set.			
Item Code	Item Name	Description	
[a] 250-020-791	FD50-DHCP	Recessed Roller Two-Way Soft Close	
[b] 250-020-792	FD50-HHP-LBR	Recessed Roller Standard Sliding	
[c] 250-023-991	FD50-DHCMP	Surface Mount Two-Way Soft Close	
[d] 250-023-990	FD50-HMP	Surface Mount Standard Sliding	

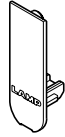
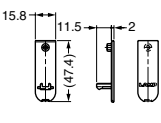
Parts Included

No.	Qty				Part Name	Description
	[a]	[b]	[c]	[d]		
1	1 pc	-	-	-	 Recessed Roller Soft Closer Two-Way Soft Close Item Code : 250-032-340 Item Name : FD50-WRH-DSC • Material Steel / Polyacetal • Finish Chromate / Grey	
	2 pcs	-	-	-		 Trigger Pin • Material Steel • Finish Chromate
2	1 pc	2 pcs	-	-	 Recessed Roller Item Code : 250-020-765 Item Name : FD50-WRH • Material Zinc Alloy / Polyacetal • Finish Chromate / Grey	
	-	-	1 pc	-		 Surface Mount Roller Soft Closer Two-Way Soft Close Item Code : 250-022-902 Item Name : FD50-WRM-DSC • Material Steel / Polyacetal • Finish Chromate / White
3	-	-	2 pcs	-	 Trigger Pin • Material Steel • Finish Chromate	
	-	-	1 pc	2 pcs		 Surface Mount Roller Item Code : 250-022-901 Item Name : FD50-WRM • Material Zinc Alloy / Polyacetal • Finish Nickel / White
5	1 pc	1 pc	1 pc	1 pc	 Floor Guide Item Code : 250-020-773 Item Name : FD50-BG18 • Material SUS 304 / Polyacetal • Finish Plain / White	
	-	2 pcs	-	2 pcs		 End Stopper Item Code : 250-020-772 Item Name : FD50-HTST • Material Steel • Finish Chromate

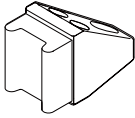
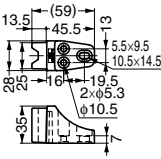
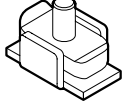
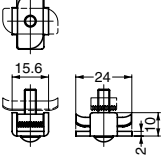
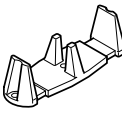
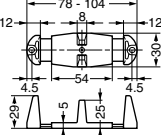
No.	Qty				Part Name	Description
	[a]	[b]	[c]	[d]		
7	-	2 pcs	-	-	 Cover Cap for Recessed Roller Item Code : 250-020-778 Item Name : FD50-WRH-SCP-LBR • Material Polypropylene • Finish Light Brown	
	1 pc	1 pc	1 pc	1 pc		 Door Guide Track Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL • Material Aluminium • Finish Anodized Silver

Cover Cap

Necessary Parts for [a]

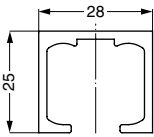
No.	Item Code	Part Name	Dimensions	Description
9	250-020-777	 Cover Cap Item Code : 250-020-777 Item Name : FD50-WRH-CP-WT • Material Polypropylene • Finish WT=White LBR=Light Brown DBR=Dark Brown	 15.8, 11.5, 2, 19.5, 10.5x14.5, 47.4	
	FD50-WRH-CP-WT			
	250-020-775			
	FD50-WRH-CP-LBR			
	250-020-776			
	FD50-WRH-CP-DBR			

Optional Parts

No.	Item Code	Part Name	Dimensions	Description
10	250-018-497	 Door Stopper Item Code : 250-018-497 Item Name : FD30-HTKY • Material Zinc Alloy / Rubber • Finish Grey	 13.5, 45.5, 19.5, 10.5x14.5, 16, 2xφ5.3, φ10.5	
	FD30-HTKY			
11	250-020-817	 Stopper Block Item Code : 250-020-817 Item Name : FD50-HSB • Material Steel • Finish Chromate	 15.6, 24, 2	
	FD50-HSB			
12	250-017-156	 Bottom Guide Item Code : 250-017-156 Item Name : FD30-HGW • Material Polyamide • Finish Light Brown	 78 - 104, 12, 8, 12, 4.5, 5.4, 4.5, 12, 4.5	
	FD30-HGW			

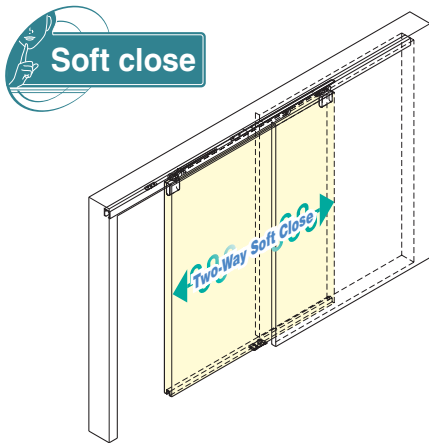
Upper Track

Necessary Parts

Mounting	Length	Item Code	Dimensions	Description
Surface Mount	1820 mm	250-020-766	 28, 35	<ul style="list-style-type: none"> Material Aluminium Finish Anodized Silver
		FD50-TRM1820SIL		
	2730 mm	250-020-768		
		FD50-TRM2730SIL		
	3640 mm	250-020-770		
		FD50-TRM3640SIL		

POCKET DOOR SYSTEM

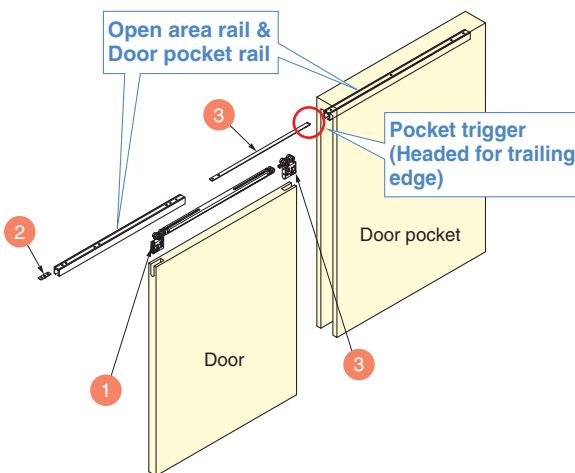
FD50-H



	Recessed Mount Type, with Two-Way Soft Close (below)	Surface Mount Type, with Two-Way Soft Close (P.678)
Door Weight	Max. 50 kg/Door	
Door Thickness	Min. 24 mm	Min. 30 mm
Door Width	680-1500 mm (2400 mm or less in height) 800-1500 mm (2401-2700 mm in height)	774-1500 mm (2400 mm or less in height) 800-1500 mm (2401-2700 mm in height)
Door Height	Max. 2700 mm	
Specification	For Single Door Use	
	Recessed Mount Type	Surface Mount Type

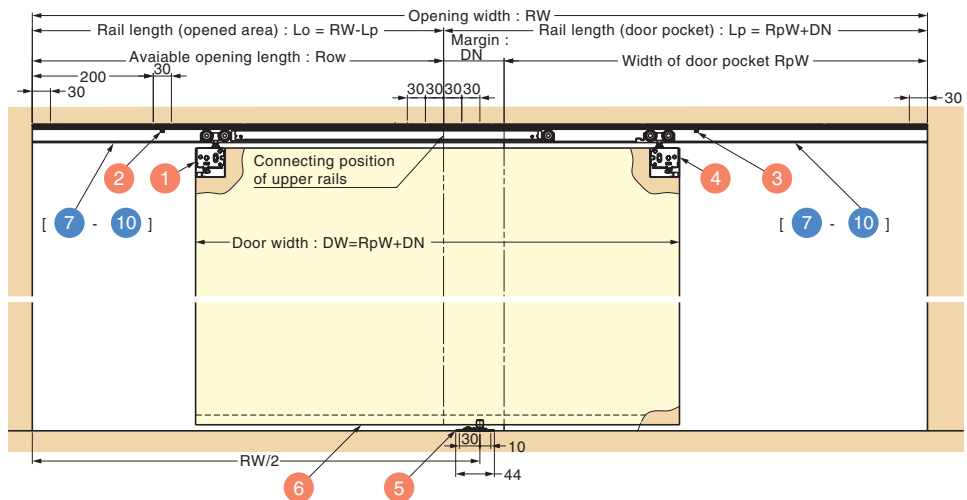
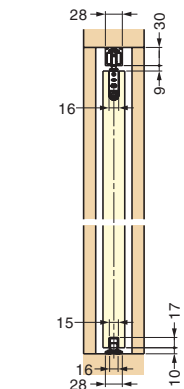
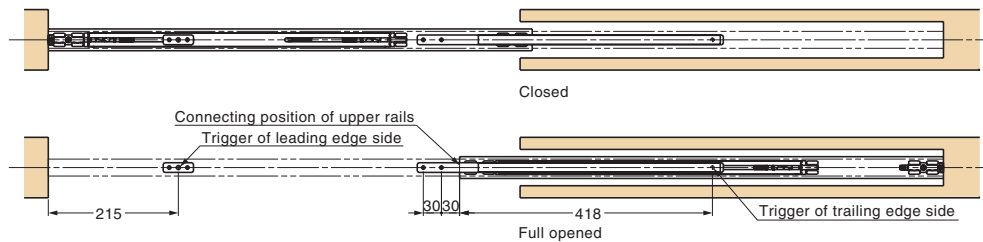
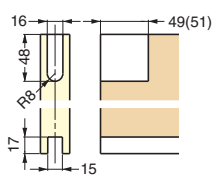
RECESSED MOUNT TYPE FOR POCKET DOOR

FD50DHCP-PD



Features

- Built in sequential damper.
- Self and soft closes when 115 mm away from closing position. Door also opens lightly.
- Within 115 mm of being fully open, will automatically open gently.
- Separated upper rail allows easy maintenance post-installation.
- Thin profile allows flexible design with multiple potential applications.
- Passed 200,000 open and close cycles in a private test.
- *Designed for interior use.



**Parts Set
(Per Door)**

Necessary Parts

Item Code	Item Name	Description
250-029-769	FD50DHCP-PD	Recessed Roller Two-Way Soft Close

Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Recessed Roller Two-Way Soft Close		<p>Item Code : 250-032-340 Item Name : FD50-WRH-DSC</p> <ul style="list-style-type: none"> Material: Steel / Polyacetal (POM) Finish / Colour: Chromate / Grey Screw: Pan Head Tapping Screw 3.8x40 <p>Remarks Do not use the included trigger.</p>
2	1 pc	Front Trigger		<p>Item Code : 250-029-707 Item Name : FD50-TRGPF</p> <ul style="list-style-type: none"> Material: Steel Finish: Chromate Screw: Countersunk Head Tapping Screw 4x40
3	1 pc	Pocket Trigger		<p>Item Code : 250-029-706 Item Name : FD50-TRGPB-HB</p> <ul style="list-style-type: none"> Material: Steel Finish: Chromate Screw: Countersunk Head Tapping Screw 4x40
4	1 pc	Recessed Roller		<p>Item Code : 250-020-765 Item Name : FD50-WRH</p> <ul style="list-style-type: none"> Material: Zinc Alloy (ZDC) / Polyacetal (POM) Finish / Colour: Chromate / Grey Screw: Pan Head Tapping Screw 3.8x40
5	1 pc	Floor Guide		<p>Item Code : 250-029-718 Item Name : FD50-BGR18</p> <ul style="list-style-type: none"> Material: Stainless Steel (SUS430) / Polyacetal (POM) Finish / Colour: Polished / Natural Screw: Countersunk Head Tapping Screw 4x20
6	1 pc	Bottom Guide Rail (1500 mm)		<p>Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL</p> <ul style="list-style-type: none"> Material: Aluminium Alloy Finish: Silver

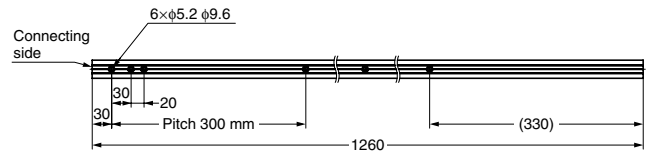
Upper Track

Necessary Parts

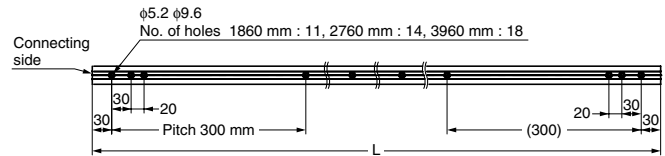
No.	Length	Item Code	Part Name	Dimensions	Description
7	1260 mm	250-029-680	Upper Track		<ul style="list-style-type: none"> Material: Aluminium Alloy Finish: Anodized Silver Screw: Countersunk Head Tapping Screw 4x20
		FD50-TRP1260-SL			
8	1860 mm	250-029-681			
		FD50-TRP1860-SL			
9	2760 mm	250-029-682			
		FD50-TRP2760-SL			
10	3960 mm	250-029-683			
		FD50-TRP3960-SL			

Hole Dimensions of Upper Track

• In case of 1260 mm



• In case of 1860 mm, 2760 mm & 3960 mm



ARCHITECTURAL
DOOR HARDWARE

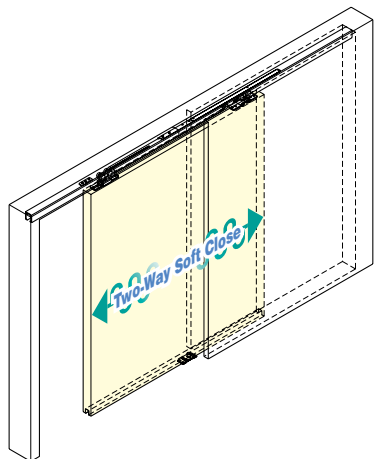
POCKET DOOR SYSTEM

SURFACE MOUNT TYPE FOR POCKET DOOR

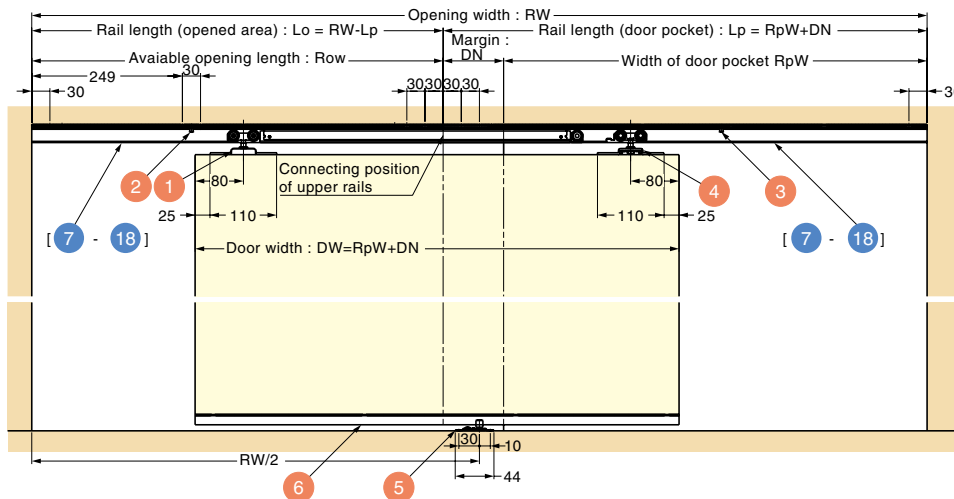
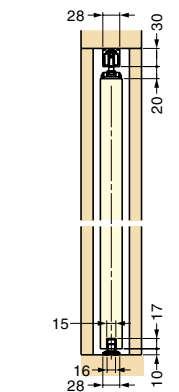
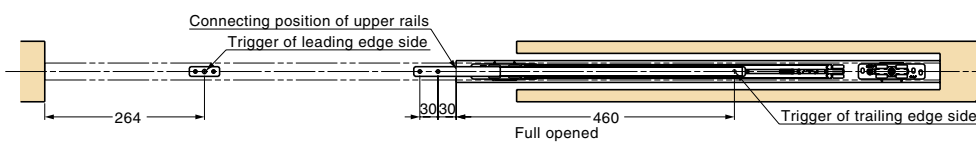
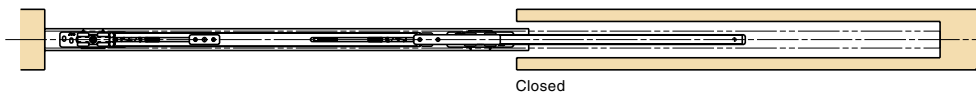
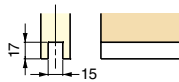
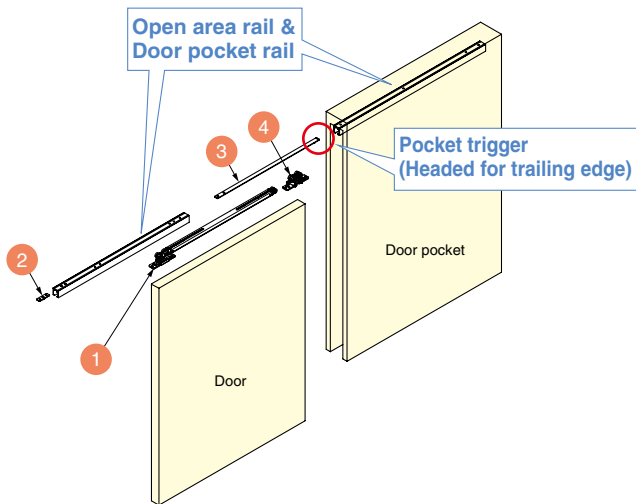
FD50DHCMP-PD

Features

- Built in sequential damper.
- Self and soft close when 115 mm away from closing position. Door also opens lightly.
- Within 115 mm of being fully open, will automatically open gently.
- Separated upper rail allows easy maintenance post-installation.
- Thin profile allows flexible design with multiple potential applications.
- Passed 200,000 open and close cycles in a private test.
- *Designed for interior use.



ARCHITECTURAL DOOR HARDWARE



POCKET DOOR SYSTEM

Parts Set (Per Door) **Necessary Parts**

Item Code	Item Name	Description
250-029-770	FD50DHCMP-PD	Surface Mount Roller Two-Way Soft Close

Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Surface Mount Roller Two-Way Soft Close		<p>Item Code : 250-022-902 Item Name : FD50-WRM-DSC</p> <ul style="list-style-type: none"> Material: Steel / Polyacetal (POM) Finish / Colour: Chromate / Natural Screw: Pan Head Tapping Screw 4x45 4 pcs <p>Remarks: Do not use the included trigger.</p>
2	1 pc	Front Trigger		<p>Item Code : 250-029-707 Item Name : FD50-TRGPF</p> <ul style="list-style-type: none"> Material: Steel Finish: Chromate Screw: Countersunk Head Tapping Screw 4x40
3	1 pc	Pocket Trigger		<p>Item Code : 250-029-738 Item Name : FD50-TRGPB-MB</p> <ul style="list-style-type: none"> Material: Steel Finish: Chromate Screw: Countersunk Head Tapping Screw 4x40
4	1 pc	Surface Mount Roller		<p>Item Code : 250-022-901 Item Name : FD50-WRM</p> <ul style="list-style-type: none"> Material: Zinc Alloy / Polyacetal (POM) Finish: Nickel / Natural Screw: Pan Head Tapping Screw 4x45 4 pcs
5	1 pc	Floor Guide		<p>Item Code : 250-029-718 Item Name : FD50-BGR18</p> <ul style="list-style-type: none"> Material: Stainless Steel (SUS430) / Polyacetal (POM) Finish / Colour: Polished / Natural Screw: Countersunk Head Tapping Screw 4x20
6	1 pc	Bottom Guide Rail (1500 mm)		<p>Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL</p> <ul style="list-style-type: none"> Material: Aluminium Alloy Finish: Silver

Upper Track **Necessary Parts**

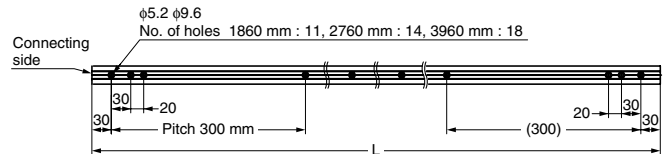
No.	Length	Item Code	Part Name	Dimensions	Description
7	1260 mm	250-029-680	Upper Track		<ul style="list-style-type: none"> Material: Aluminium Alloy Finish: Anodized Silver Screw: Countersunk Head Tapping Screw 4x20
		FD50-TRP1260-SL			
8	1860 mm	250-029-681			
		FD50-TRP1860-SL			
9	2760 mm	250-029-682			
		FD50-TRP2760-SL			
10	3960 mm	250-029-683			
		FD50-TRP3960-SL			

Hole Dimensions of Upper Track

• In case of 1260 mm



• In case of 1860 mm, 2760 mm & 3960 mm

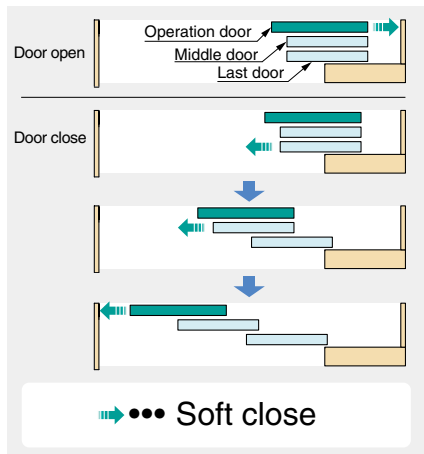


ARCHITECTURAL DOOR HARDWARE

POCKET DOOR SYSTEM

MULTIPLE SYNCHRONIZED SLIDING DOOR SYSTEM

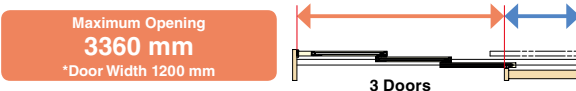
FD50-HRP



2 or 3 Doors Synchronized Sliding Style

Door Weight	Max. 50 kg/Door
Door Thickness	30 - 38 mm
Door Width	680 - 1200 mm
Height Adjustment	-3/+4 mm
Side Adjustment	±2 mm

Maximum Opening Clearance



ARCHITECTURAL DOOR HARDWARE

MULTIPLE SYNCHRONIZED SLIDING DOOR SYSTEM

Parts Set Necessary Parts
Please refer to "Qty a - b" for parts included in each set.

	Item Code	Item Name	Description
a	250-023-211	FD50-HRP2	2 Doors Synchronized
b	250-023-212	FD50-HRP3	3 Doors Synchronized

Parts Included

No.	Qty	Part Name	Dimensions	Description
	a	b		
1	2 pcs	3 pcs		Item Code : 250-032-340 Item Name : FD50-WRH-DSC • Material Steel / Polyacetal • Finish Chromate / Grey
	4 pcs	6 pcs		
2	2 pcs	3 pcs		Item Code : 250-020-765 Item Name : FD50-WRH • Material Zinc Alloy / Polyacetal • Finish Chromate / Grey
3	2 pcs	3 pcs		Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL • Material Aluminium • Finish Anodized Silver
4	1 pc	2 pcs		Item Code : 250-020-817 Item Name : FD50-HSB • Material Steel • Finish Chromate
6	1 pc	2 pcs		Item Code : 250-022-262 Item Name : FD30-HRDG • Material SUS 304 / POM • Finish Grey, Plain

No.	Qty	Part Name	Dimensions	Description
	a	b		
6	1 pc	1 pc		Item Code : 250-022-263 Item Name : FD30-HBGF • Material SUS 304 / POM • Finish Grey, Plain
7	1 set	2 sets		Item Code : 250-022-261 Item Name : FD30-HRGU • Material SUS 304 / POM • Finish Grey, Plain
8	1 pc	1 pc		Item Code : 250-022-264 Item Name : FD30-HRDB • Material EPDM • Finish Black

Cover Cap Necessary Parts

No.	Item Code	Part Name	Dimensions	Description
8	250-020-777	Cover Cap		• Material Polypropylene • Finish WT=White CP=Light Brown DB=Dark Brown
	FD50-WRH-CP-WT			
	250-020-775			
	FD50-WRH-CP-LBR			
	250-020-776			
FD50-WRH-CP-DBR				

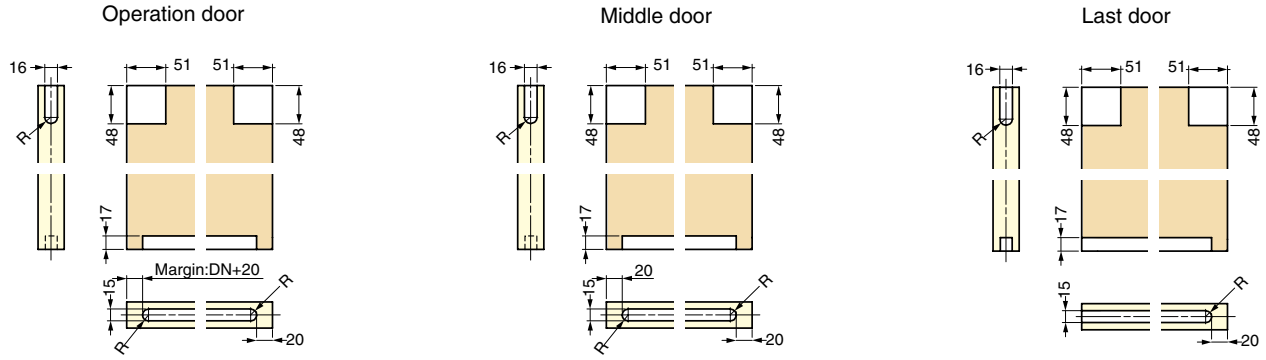
Optional Parts

No.	Item Code	Part Name	Dimensions	Description
10	250-017-157	Bottom Guide		• Material Polyamide • Finish Light Brown
	FD30-HTF			

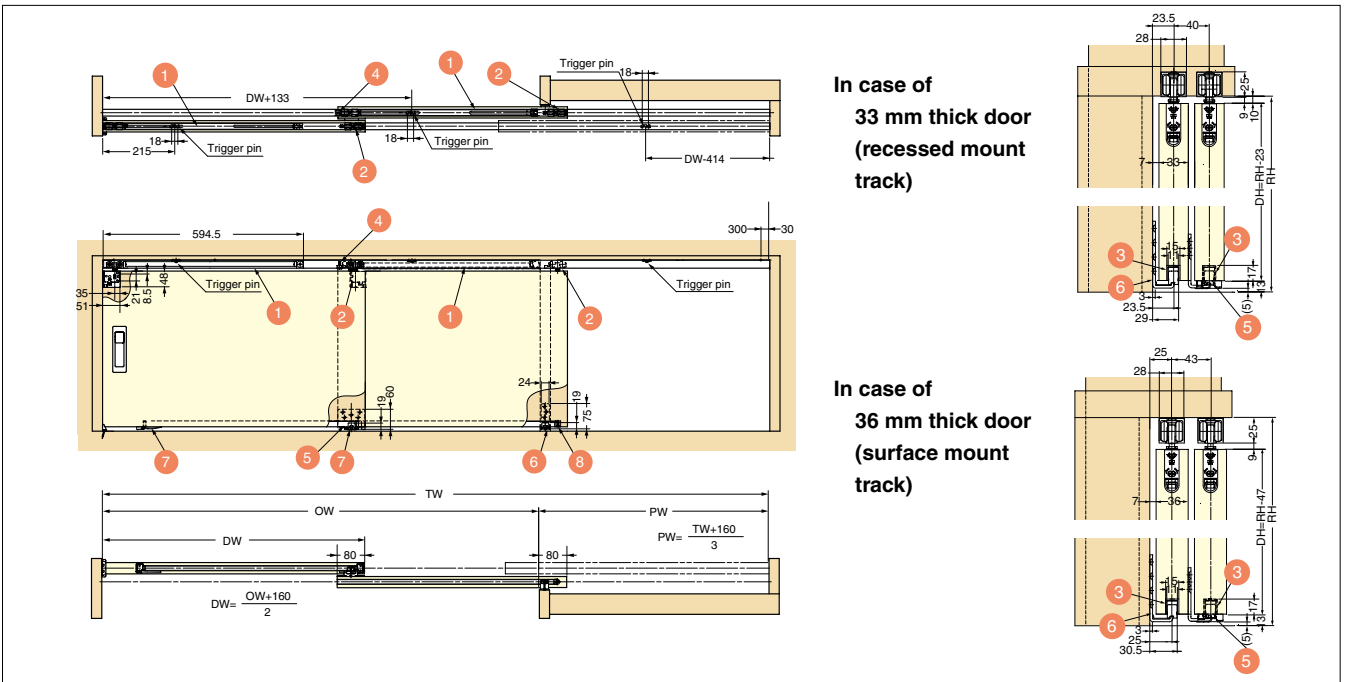
Upper Track Necessary Parts

Mounting	Length	Item Code	Dimensions	Description
Surface Mount	1820 mm	250-020-766		• Material Aluminium • Finish Anodized Silver
		FD50-TRM1820SIL		
		250-020-768		
	2730 mm	FD50-TRM2730SIL		
	3640 mm	250-020-770		
	FD50-TRM3640SIL			

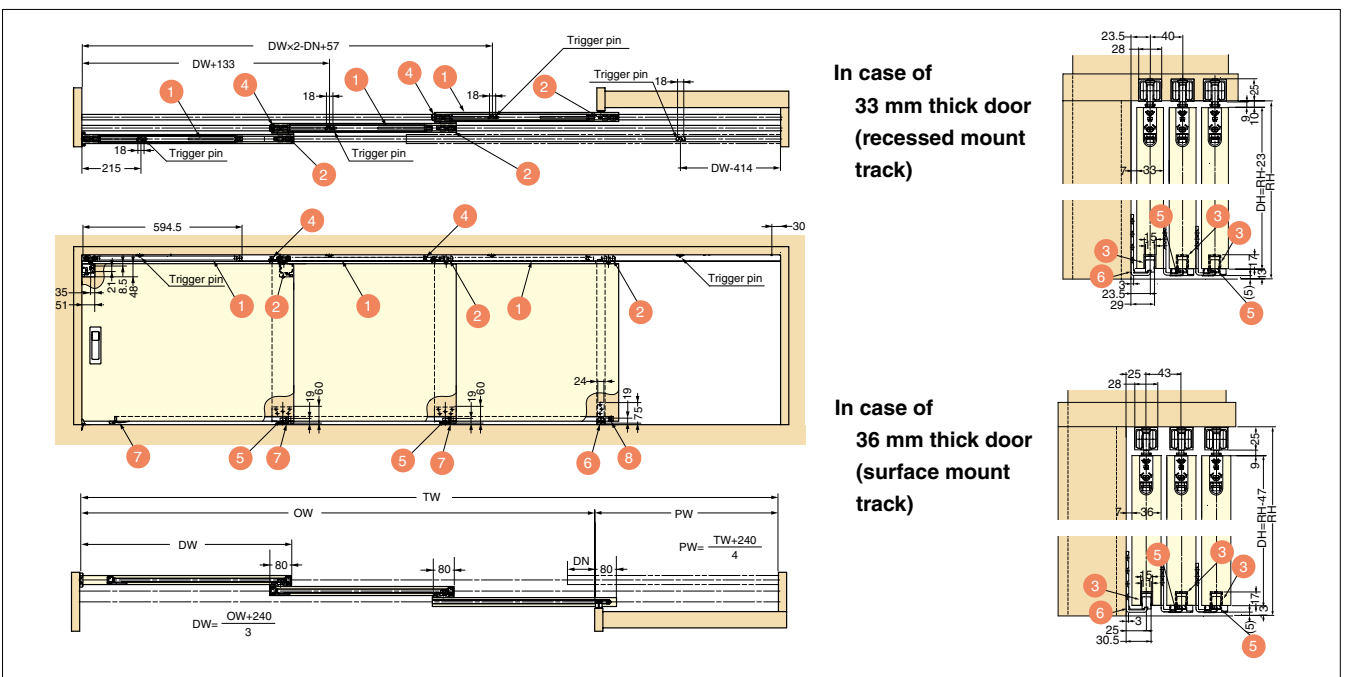
Door Preparation



a FD50 / Synchronized Sliding / 2 Doors



b FD50 / Synchronized Sliding / 3 Doors



ARCHITECTURAL DOOR HARDWARE

MULTIPLE SYNCHRONIZED SLIDING DOOR SYSTEM

SLIDING DOOR SYSTEM

FD80-H



	a	b	c	d
	Two-Way Soft Close	Standard Sliding	Two-Way Soft Close	Standard Sliding
Roller	Recessed Mount		Surface Mount	
Door Weight	Max. 80 kg/Door			
Door Thickness	Min. 34 mm		Min. 30 mm	
Door Width	784-1500 mm* 850-1500 mm**	Max. 1500 mm* 850-1500 mm**	784-1500 mm* 850-1500 mm**	Max. 1500 mm*** 850-1500 mm****
Door Height	Max. 2700 mm			Max. 1500 mm
Height Adjustment	-1/+4 mm		±4 mm	

* When the door is 2400 mm or less in height. *** When the door is 2500 mm or less in height.
 ** When the door is 2401 - 2700 mm in height. **** When the door is 2501 - 2700 mm or less in height.

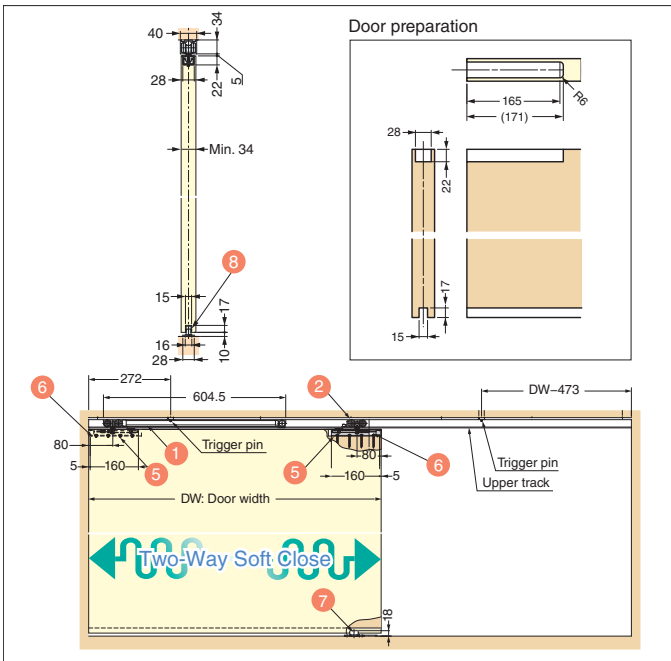
Features

- Damper equipped for soft and silent closing at the end (a, c only).
- Surface mounted for faster installation: No boring required on door.
- Easy door installation: simply hang the door onto the rollers.
- Each model passed 200,000 open and close cycles in a private test.

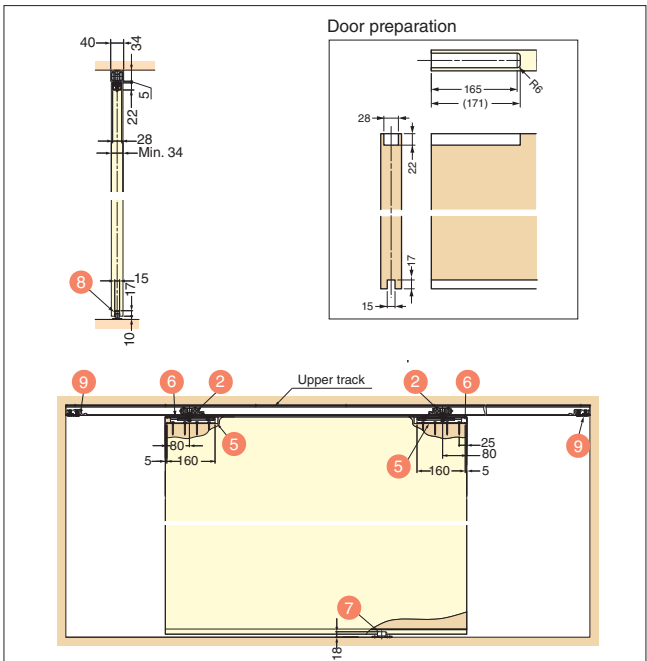
ARCHITECTURAL DOOR HARDWARE

SLIDING DOOR SYSTEM

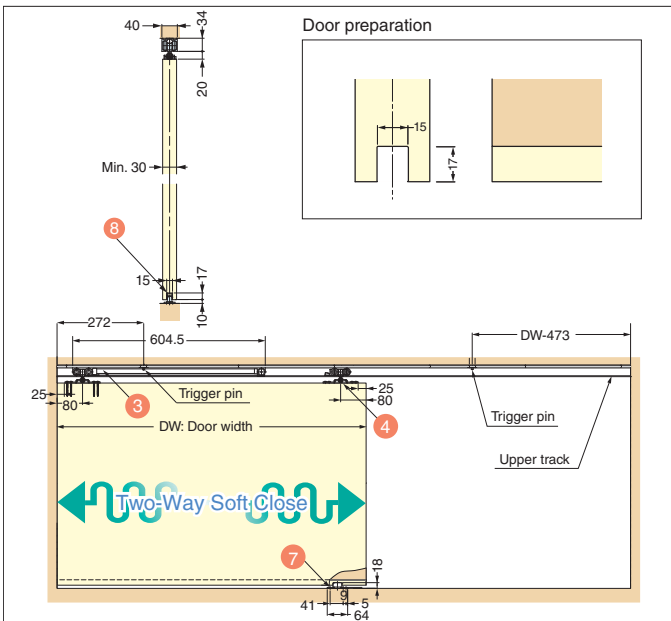
a FD80 / Recessed Mount Roller / Two-Way Soft Close



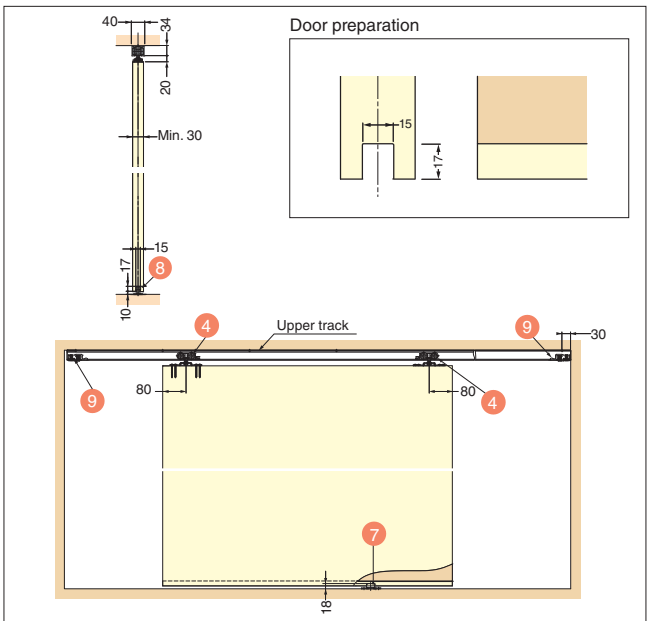
b FD80 / Recessed Mount Roller / Standard Sliding



c FD80 / Surface Mount Roller / Two-Way Soft Close


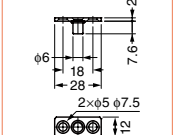

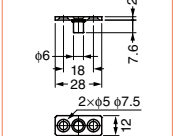

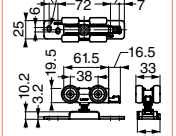



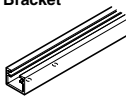
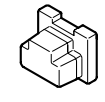

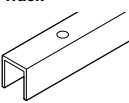

d FD80 / Surface Mount Roller / Standard Sliding



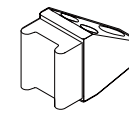
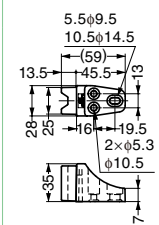
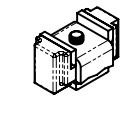
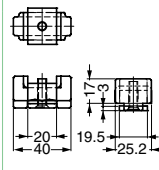
Parts Set (Per Door)		Necessary Parts	
		Please refer to "Qty a - d" for parts included in each set.	
Item Code	Item Name	Description	
a	250-022-253	FD80-DHCHP	Recessed Mount Roller Two-Way Soft Close
b	250-022-254	FD80-HHP	Recessed Mount Roller Standard Sliding
c	250-022-255	FD80-DHCMP	Surface Mount Two-Way Soft Close
d	250-022-256	FD80-HMP	Surface Mount Standard Sliding

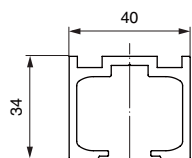
Parts Included

No.	Qty				Part Name	Dimensions	Description
	a	b	c	d			
1	1	-	-	-	Recessed Mount Roller Soft Closer  Item Code : 250-022-239 Item Name : FD80-WRH-DSC • Material Zinc Alloy / Polyacetal / Aluminium • Finish Nickel / Black	 • Material Steel • Finish Zinc Chromate	
	2	-	-	-			
2	1	2	-	-	Recessed Mount Roller  Item Code : 250-022-241 Item Name : FD80-WRH • Material Zinc Alloy / Polyacetal / Aluminium • Finish Nickel / Natural	 • Material Steel • Finish Zinc Chromate	
	-	-	1	-			
3	-	-	1	-	Surface Mount Roller Soft Closer  Item Code : 250-022-240 Item Name : FD80-WRM-DSC • Material Steel / Polyacetal • Finish Chromate / Black	 • Material Steel • Finish Zinc Chromate	
	-	-	-	2			
4	-	-	1	2	Surface Mount Roller  Item Code : 250-022-242 Item Name : FD80-WRM • Material Zinc Alloy / Polyacetal • Finish Nickel / Natural		
	-	-	-	-			

No.	Qty				Part Name	Dimensions	Description
	a	b	c	d			
5	2	2	-	-	Hanging Bracket  Item Code : 250-120-608 Item Name : FD70B-HB160 • Material Aluminium • Finish Anodized Silver		
6	2	2	-	-		End Cap  Item Code : 250-121-142 Item Name : FD70B-EC-BL • Material Elastomer (TPE) • Finish Black	
7	1	1	1	1	Floor Guide  Item Code : 250-020-773 Item Name : FD50-BG18 • Material SUS304 / POM • Finish Plain / White		
8	1	1	1	1		Door Guide Track  Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL • Material Aluminium • Finish Anodized Silver	
9	-	2	-	2	End Stopper  Item Code : 250-022-250 Item Name : FD80-HTST • Material Steel / Polyacetal • Finish Chromate / White		

Optional Parts

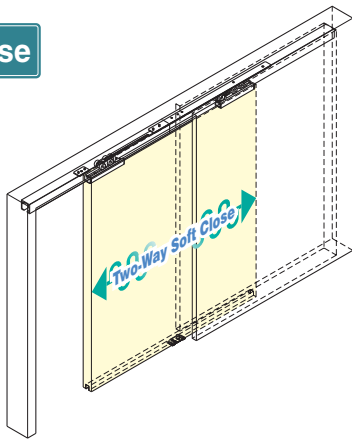
No.	Item Code	Part Name	Dimensions	Description
10	250-018-497	Door Stopper  • Material Zinc Alloy / Rubber • Finish Grey		
	FD30-HTKY			
11	250-022-251	Stopper Block  • Material Steel / EPDM • Finish Chromate / Black Used in upper track.		
	FD80-HSB			

Upper Track		Necessary Parts			
Mounting	Length	Item Code	Dimensions	Description	
Surface Mount	2000 mm	250-022-244		• Material Aluminium • Finish Anodized Silver	
		FD80-TRM2000SL			
	2730 mm	250-022-246			• Material Aluminium • Finish Anodized Silver
		FD80-TRM2730SL			
3640 mm	250-022-248	• Material Aluminium • Finish Anodized Silver			
	FD80-TRM3640SL				

POCKET DOOR SYSTEM



FD80-H



	Recessed Mount Type, with Two-Way Soft Close (below)	Surface Mount Type, with Two-Way Soft Close (P.686)
Door Weight	Max. 80 kg	
Door Thickness	Min. 34 mm	Min. 30 mm
Door Width	784 - 1500 mm (2500 mm or less in height) 850 - 1500 mm (2501 - 2700 mm in height)	
Door Height	Max. 2700 mm	
Specification	For Single Door Use	
	Recessed Mount	Surface Mount

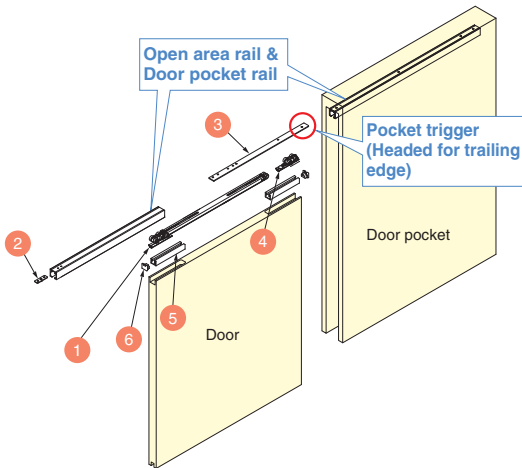
ARCHITECTURAL DOOR HARDWARE

POCKET DOOR SYSTEM

RECESSED MOUNT TYPE FOR POCKET DOOR

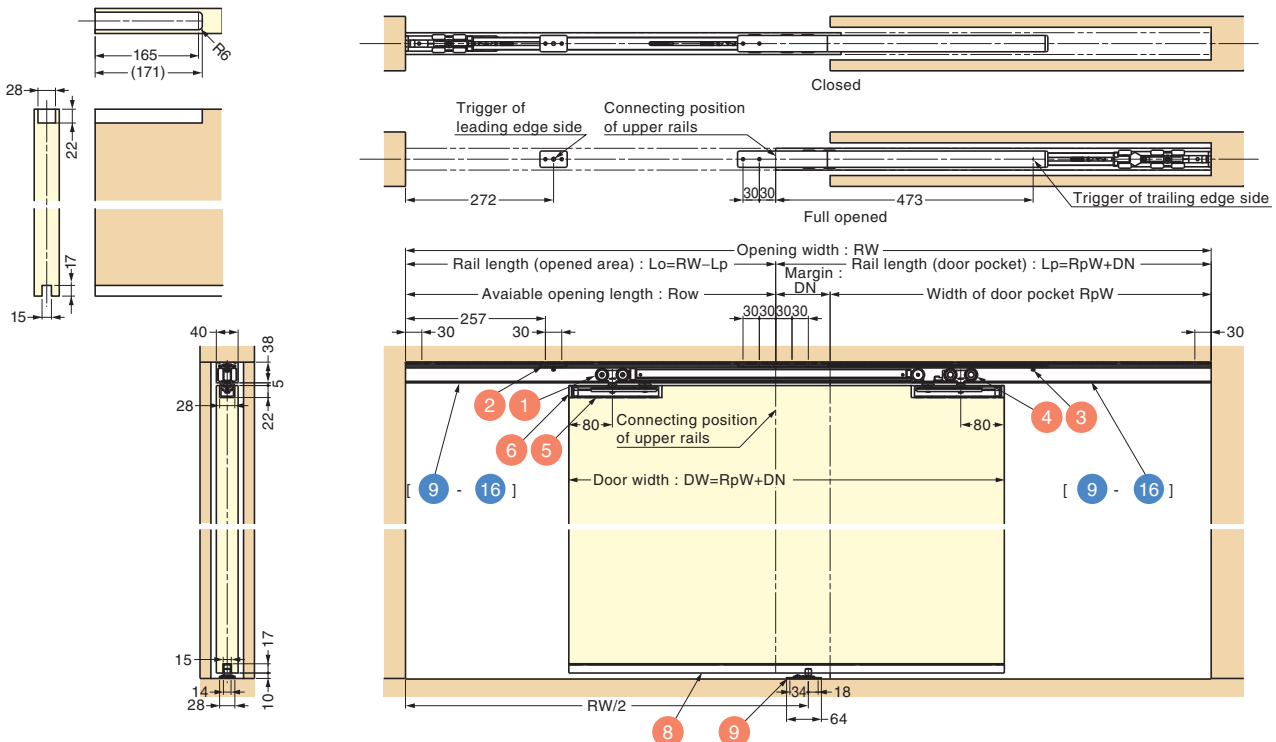


FD80DHCHP-PD



Features

- Built in sequential damper.
- Self and soft close when 115 mm away from closing position. Door also opens lightly.
- When close to being fully open, will automatically open gently.
- Separated upper rail allows easy maintenance after door installation in pocket door application.
- Heavy duty.
- Designed for interior use, not for exterior.



**Parts Set
(Per Door)**

Necessary Parts

Item Code	Item Name	Description
250-029-771	FD80DHCHP-PD	Recessed Roller Two-Way Soft Close

Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Recessed Mount Roller Two-Way Soft Close		Item Code : 250-022-239 Item Name : FD80-WRH-DSC • Material Zinc Alloy (ZDC) / Polyacetal (POM) • Finish / Colour Nickel / Black Remarks Do not use the included trigger.
2	1 pc	Front Trigger		Item Code : 250-029-709 Item Name : FD80-TRGPF • Material Stainless Steel (SUS304) • Finish Plain
3	1 pc	Pocket Trigger		Item Code : 250-029-708 Item Name : FD80-TRGPB-MB • Material Stainless Steel (SUS304) • Finish Plain
4	1 pc	Recessed Roller		Item Code : 250-022-241 Item Name : FD80-WRH • Material Zinc Alloy (ZDC) / Polyacetal (POM) • Finish / Colour Nickel / Natural
5	2 pcs	Hanging Bracket (160 mm)		Item Code : 250-120-608 Item Name : FD70B-HB160 • Material Aluminium Alloy • Finish Anodized Silver • Screw Pan Head Tapping Screw 5x40
6	2 pcs	End Cap		Item Code : 250-121-142 Item Name : FD70B-EC-BL • Material Elastomer (TPE) • Colour Black
7	1 pc	Floor Guide		Item Code : 250-029-718 Item Name : FD50-BGR18 • Material Stainless Steel (SUS430) / Polyacetal (POM) • Finish / Colour Polished / Natural • Screw Raised Countersunk Head Tapping Screw 3.5x30
8	1 pc	Bottom Guide Rail (1500 mm)		Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL • Material Aluminium Alloy • Finish Anodized Silver

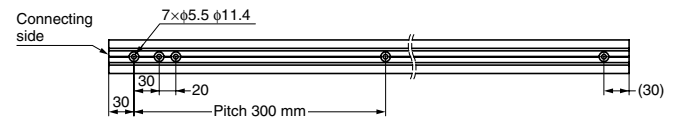
Upper Track

Necessary Parts

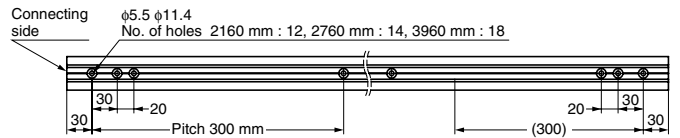
No.	Length	Item Code	Part Name	Dimensions	Description
9	1260 mm	250-029-692	Upper Track		• Material Aluminium Alloy • Finish Anodized Silver
		FD80-TRP1260-SL			
10	2160 mm	250-029-693			
		FD80-TRP2160-SL			
11	2760 mm	250-029-694			
		FD80-TRP2760-SL			
12	3960 mm	250-029-695			
		FD80-TRP3960-SL			

Hole Dimensions of Upper Track

• In case of 1260 mm



• In case of 2160 mm, 2760 mm & 3960 mm



ARCHITECTURAL
DOOR HARDWARE

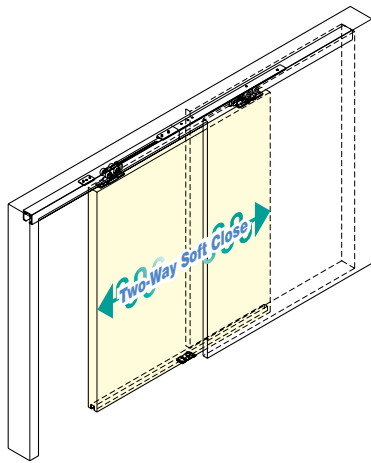
POCKET DOOR SYSTEM



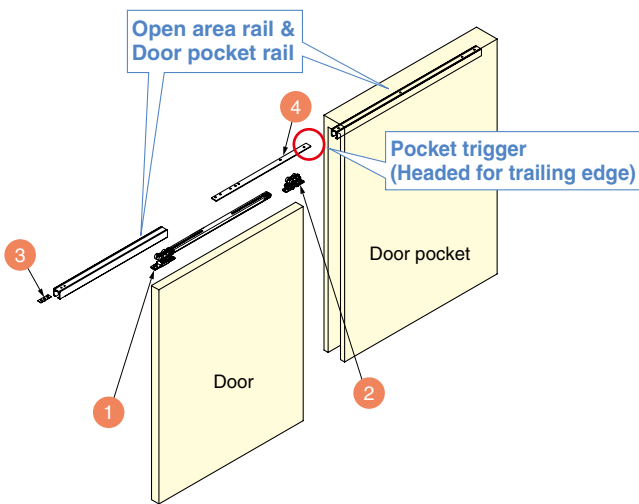
SURFACE MOUNT TYPE FOR POCKET DOOR

Features

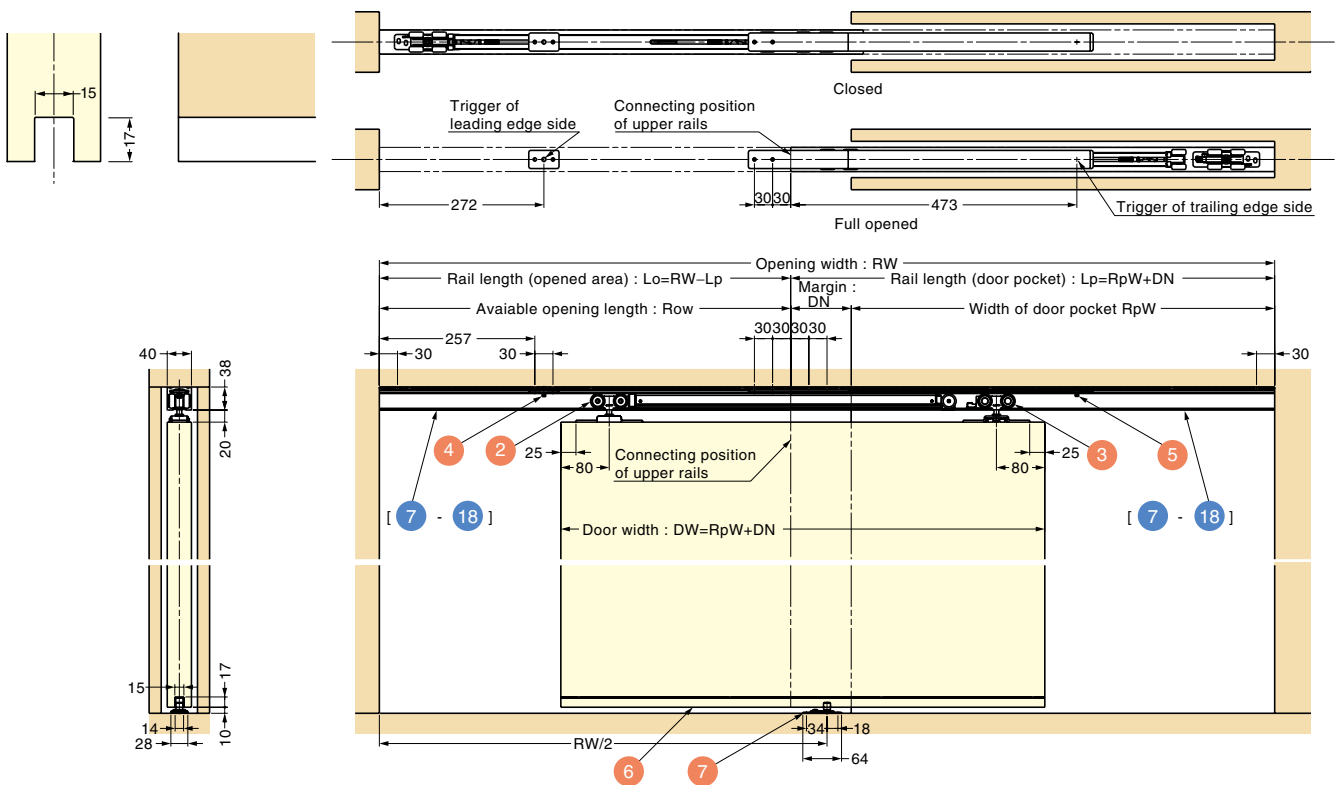
- Built in sequential damper.
- Self and soft close when 115 mm away from closing position. Door also opens lightly.
- When close to being fully open, will automatically open gently.
- Separated upper rail allows easy maintenance after door installation in pocket door application.
- Heavy duty.
- Designed for interior use, not for exterior.



ARCHITECTURAL
DOOR HARDWARE



POCKET DOOR SYSTEM



Parts Set (Per Door) **Necessary Parts**

Item Code	Item Name	Description
250-029-722	FD80DHCMP-PD	Surface Mount Roller Two-Way Soft Close

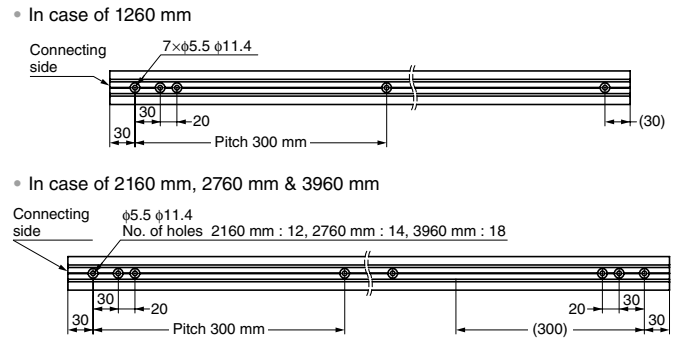
Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Surface Mount Roller Two-Way Soft Close		Item Code : 250-022-240 Item Name : FD80-WRM-DSC • Material Steel / Polyacetal (POM) • Finish Chromate / Black • Screw Pan Head Tapping Screw 4x45 Remark Do not use the included trigger.
2	1 pc	Front Trigger		Item Code : 250-029-709 Item Name : FD80-TRGPF • Material Stainless Steel (SUS304) • Finish Plain
3	1 pc	Pocket Trigger		Item Code : 250-029-708 Item Name : FD80-TRGPB-MB • Material Stainless Steel (SUS304) • Finish Plain
4	1 pc	Surface Mount Roller		Item Code : 250-022-242 Item Name : FD80-WRM • Material Zinc Alloy (ZDC) / Polyacetal (POM) • Finish Nickel / Natural • Screw Pan Head Tapping Screw 4x45
5	1 pc	Floor Guide		Item Code : 250-029-718 Item Name : FD50-BGR18 • Material Stainless Steel (SUS430) / Polyacetal (POM) • Finish Countersunk / Natural • Screw Pan Head Tapping Screw 4x45
6	1 pc	Bottom Guide Rail (1500 mm)		Item Code : 250-019-971 Item Name : FD30-HBRT1500SIL • Material Aluminium Alloy • Finish Anodized Silver

Upper Track **Necessary Parts**

No.	Length	Item Code	Part Name	Dimensions	Description	
7	1260 mm	250-029-692	Upper Track		• Material Aluminium Alloy • Finish Anodized Silver	
		FD80-TRP1260-SL				
8	2160 mm	250-029-693				
		FD80-TRP2160-SL				
9	2760 mm	250-029-694				
		FD80-TRP2760-SL				
10	3960 mm	250-029-695				
		FD80-TRP3960-SL				

Hole Dimensions of Upper Track



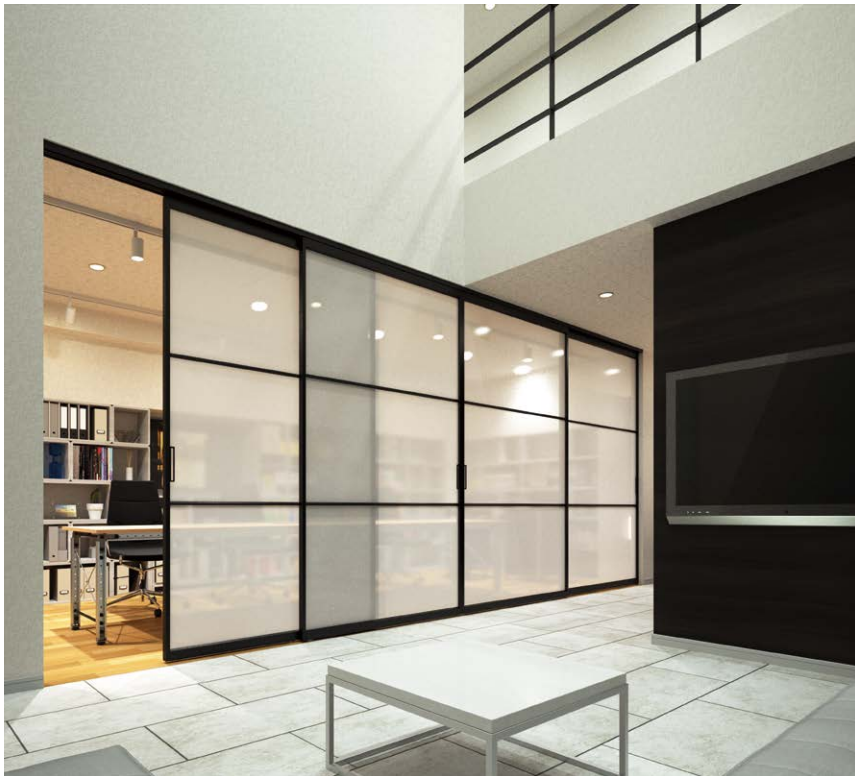
ARCHITECTURAL DOOR HARDWARE POCKET DOOR SYSTEM

ALUMINIUM FRAME SLIDING DOOR SYSTEM

FD80-AF

ARCHITECTURAL DOOR HARDWARE FOR GLASS DOORS

ALUMINIUM FRAME SLIDING DOOR SYSTEM

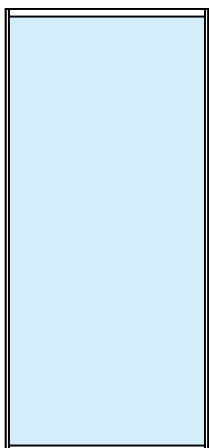
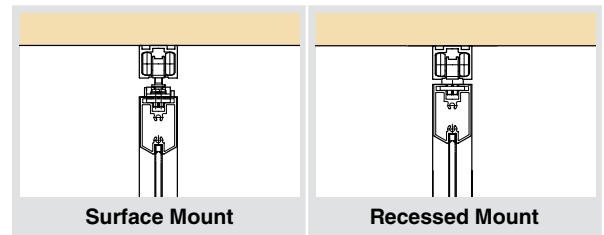


	a	b	c	d
	Two-Way Soft Close	Standard Sliding	Two-Way Soft Close	Standard Sliding
Roller	Recessed Mount	Recessed Mount	Surface Mount	Surface Mount
Door Weight	Max. 80 kg/Door			
Glass Thickness	5 or 6 mm			
Door Width	784 - 1500 mm	Max. 1500 mm	804 - 1500 mm	Max. 1500 mm
Door Height	Max. 3000 mm			
Height Adjustment	-1/+4 mm		±4 mm	

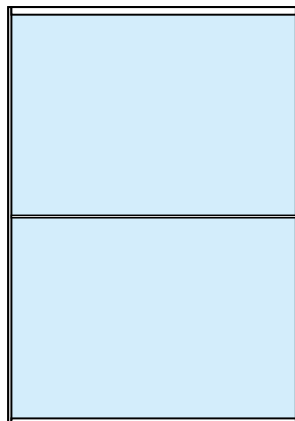
Features

- Two-way soft closer option available.
- Surface or recessed mount roller available.
- Thick aluminium profile provides excellent rigidity preventing door flex.
- Ball bearing roller provides ultra smooth movement.
- Easy assembly and installation.
- Intermediate support not needed when door size within H 2200 mm x W 900 mm.
- No rail on floor needed.
- Swing door version available for total coordination (P.710 - 711).
- Black frame available by special order.

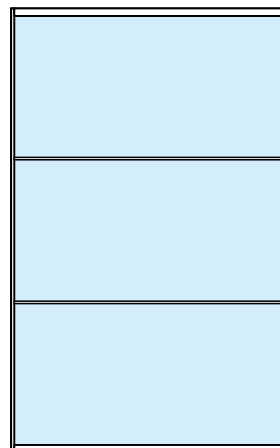
* Intermediate support required when either door height or door width exceeds standard size. Pictures shown below are door size examples which require intermediate support.



Standard Size [No support required.]
(Smaller than H 2200 x W 900)



1 Support
(Smaller than H 2000 x W 1600)

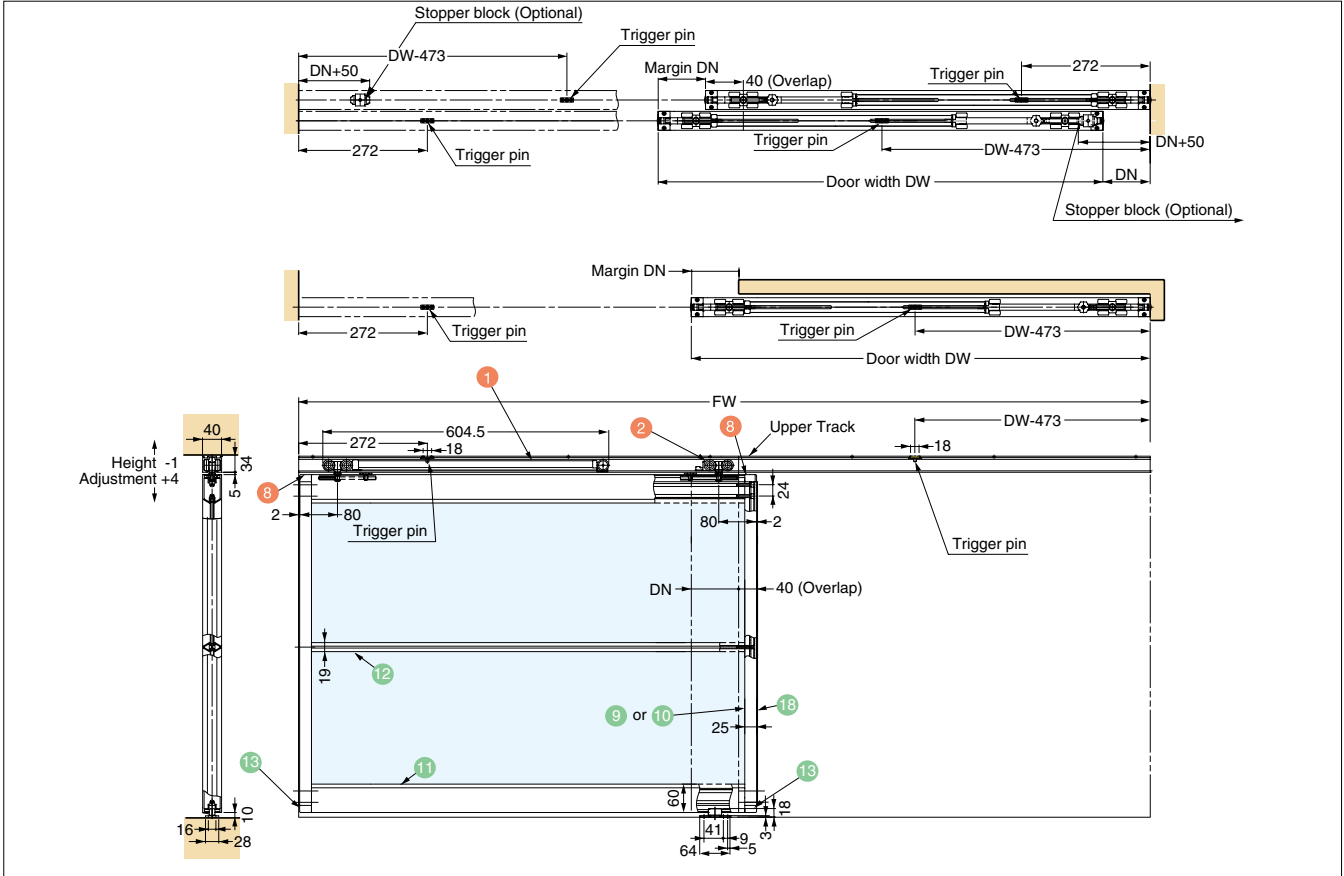


2 Supports
(Smaller than H 2200 x W 1500)

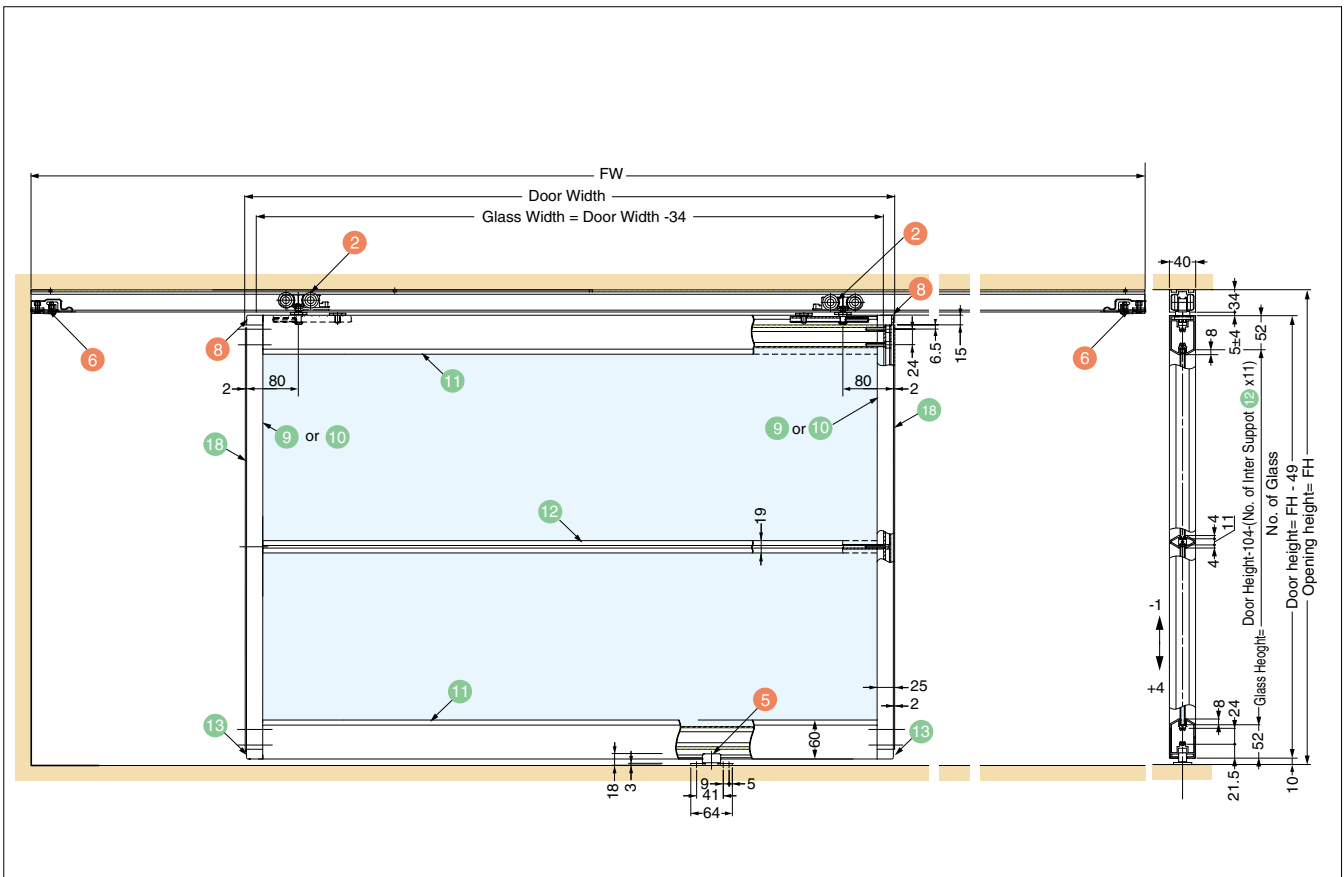


3 Supports
(Smaller than H 2500 x W 1300)

a FD80-AF / Recessed Mount Roller / Two-Way Soft Close



b FD80-AF / Recessed Mount Roller / Standard Sliding

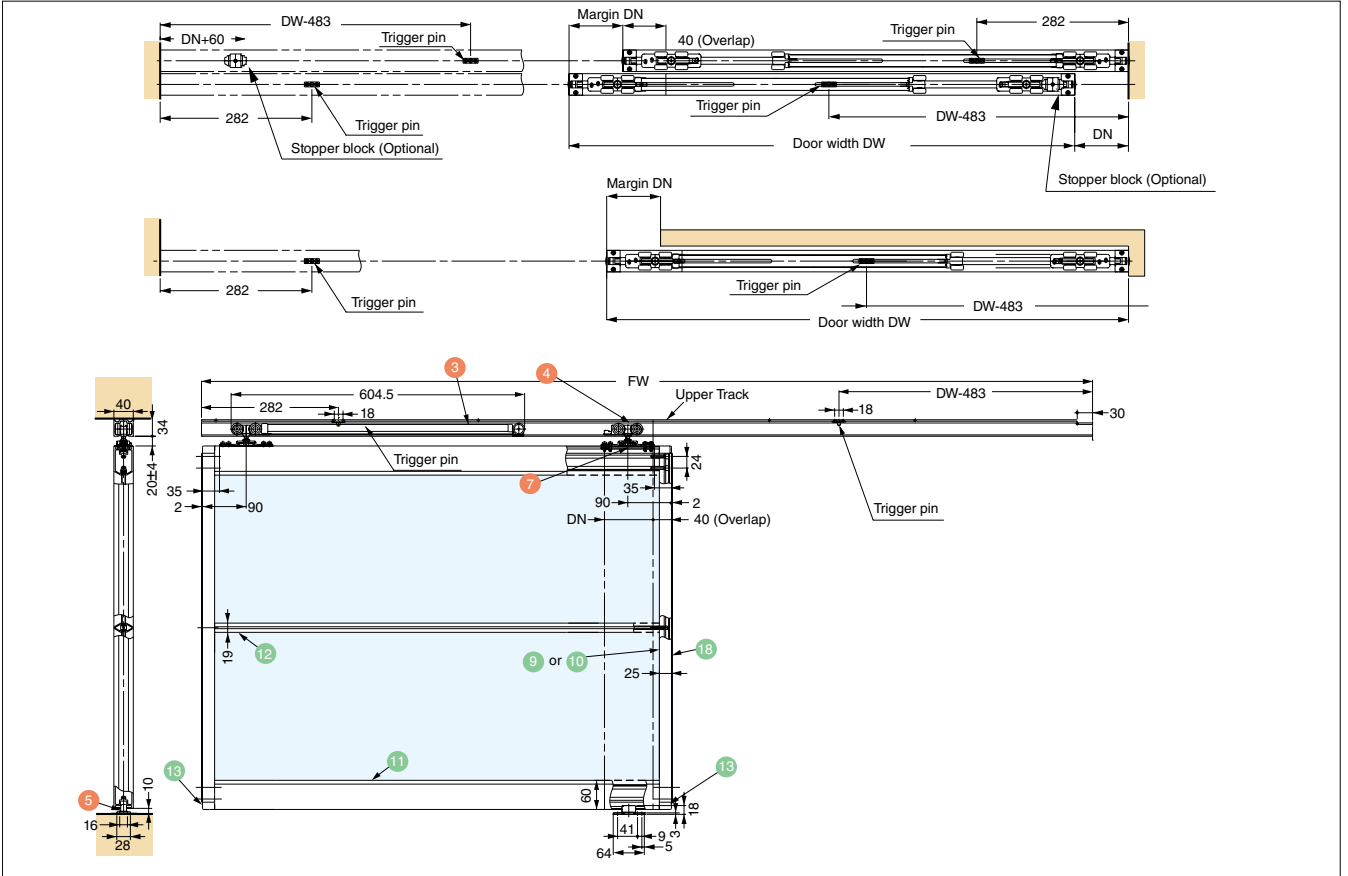


ARCHITECTURAL
DOOR HARDWARE

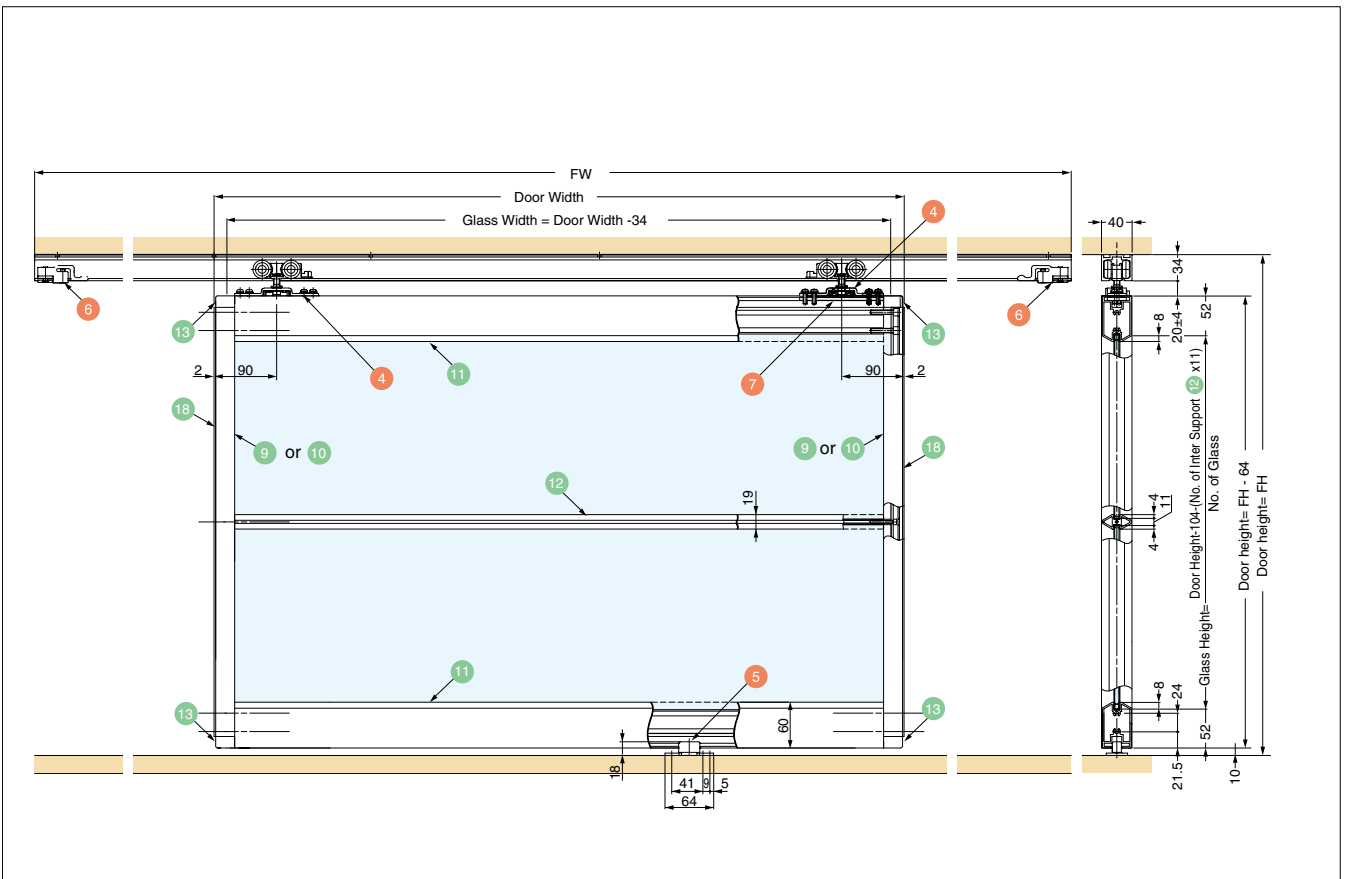
FOR GLASS DOORS

ALUMINIUM FRAME SLIDING DOOR SYSTEM

c FD80-AF / Surface Mount Roller / Two-Way Soft Close



d FD80-AF / Surface Mount Roller / Standard Sliding



SELF CLOSING SLIDE DOOR SYSTEM



SRS



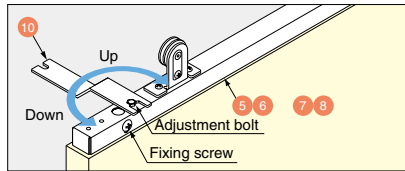
R type

Door Weight	Max. 30 kg/Door
Door Thickness	28.4-36 mm
Door Width	810 mm or 860 mm

Features

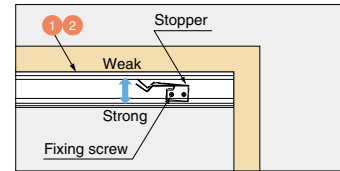
- Self closing door system.
- Equipped with damper for smooth and soft closing.

Adjustment of Door Height & Gradient



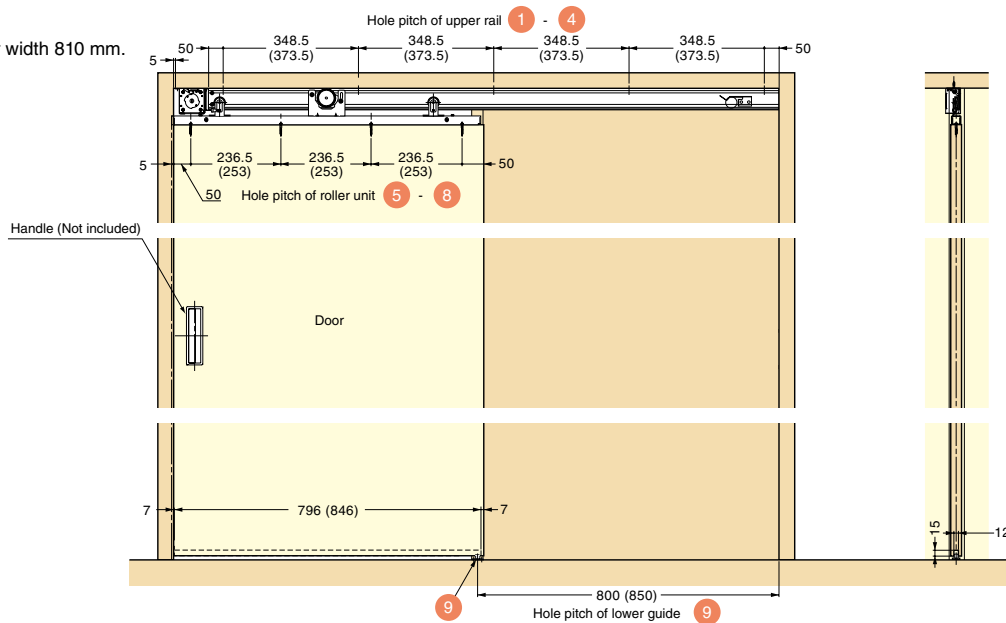
Adjustable height: -6 mm

Adjustment of Retaining Force



Installation

(): Dimensions for door width 810 mm.



ARCHITECTURAL DOOR HARDWARE

SELF CLOSING SLIDE DOOR SYSTEM

Parts Set (Per Door)		Necessary Parts	
Please refer to "Qty a - d" for parts included in each set.			
Item Code	Item Name	Description	
a	250-120-073	SRS-810 (R)	R Type for Door Width 810 mm
b	250-120-588	SRS-810 (L)	L Type for Door Width 810 mm
c	250-120-072	SRS-860 (R)	R Type for Door Width 860 mm
d	250-120-589	SRS-860 (L)	L Type for Door Width 860 mm

Parts Included

No.	Qty				Part Name	Description
	a	b	c	d		
1	1 pc	-	-	-	Upper Rail - R Type for Door Width 810 mm	• Material Aluminium Alloy • Finish Anodized Silver
2	-	1 pc	-	-	Upper Rail - L Type for Door Width 810 mm	• Material Aluminium Alloy • Finish Anodized Silver
3	-	-	1 pc	-	Upper Rail - R Type for Door Width 860 mm	• Material Aluminium Alloy • Finish Anodized Silver

No.	Qty				Part Name	Description
	a	b	c	d		
4	-	-	-	1 pc	Upper Rail - L Type for Door Width 860 mm	• Material Aluminium Alloy • Finish Anodized Silver
5	1 pc	-	-	-	Roller Unit A - R Type for Door Width 810 mm	• Material Steel • Colour Black
6	-	1 pc	-	-	Roller Unit A - L Type for Door Width 810 mm	• Material Steel • Colour Black
7	-	-	1 pc	-	Roller Unit B - R Type for Door Width 860 mm	• Material Steel • Colour Black
8	-	-	-	1 pc	Roller Unit B - L Type for Door Width 860 mm	• Material Steel • Colour Black
9	1 pc	1 pc	1 pc	1 pc	Bottom Guide	• Material Polyamide (PA) • Finish Natural
10	1 pc	1 pc	1 pc	1 pc	Adjuster	• Material Steel • Finish Yellow Zinc Chromate



SELF CLOSING SLIDE DOOR SYSTEM



SRW

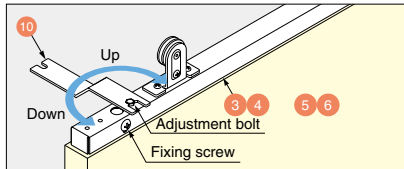


Door Weight	Max. 30 kg/Door
Door Thickness	28.4-30 mm
Door Width	550 mm

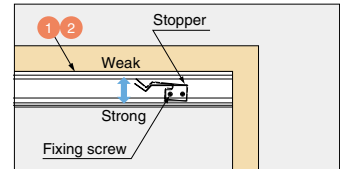
Features

- Self closing door system.
- Equipped with damper for smooth and soft closing, eliminates slamming.
- Wider opening creates more space.

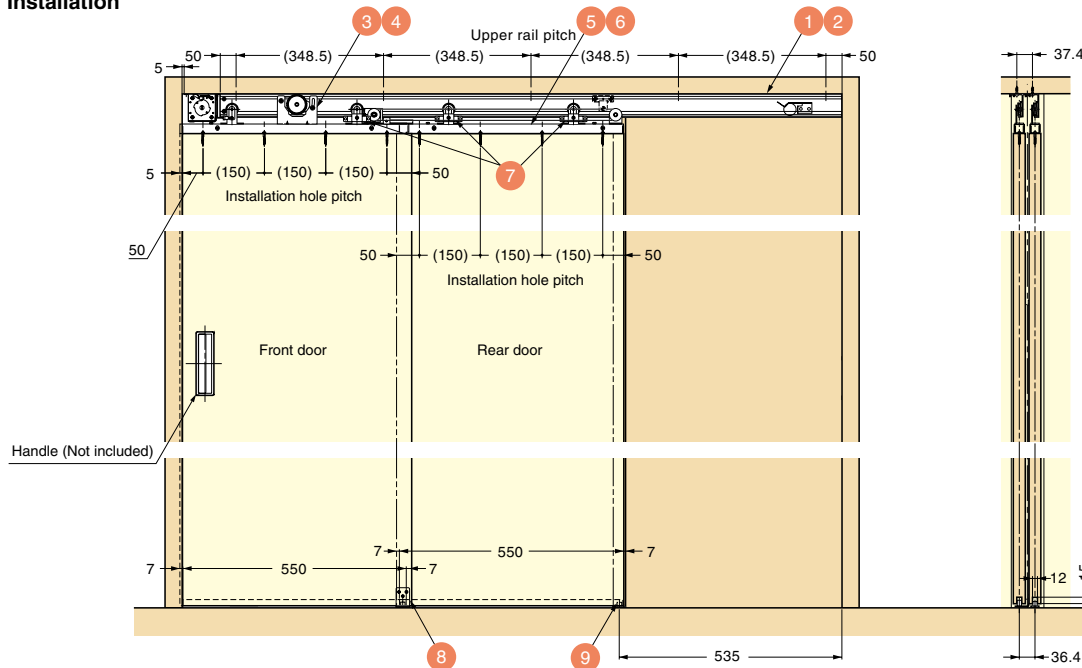
Adjustment of Door Height & Gradient



Adjustment of Retaining Force



Installation



Parts Set (Per 2 Doors)		Necessary Parts	
		Please refer to "Qty a & b" for parts included in each set.	
Item Code	Item Name	Description	
a	250-120-074	SRW-550 (R)	R Type
b	250-120-587	SRW-550 (L)	L Type

Parts Included

No.	Qty		Part Name	Description
	a	b		
5	1 pc	-	Roller Unit B - R Type	• Material Steel • Colour Black
6	-	1 pc	Roller Unit B - L Type	• Material Steel • Colour Black
7	3 pcs	3 pcs	Supporting Roller	• Material Steel • Finish Plain
8	1 pc	1 pc	Bottom Guide	• Material Steel • Finish Plain
9	1 pc	1 pc	Bottom Roller Guide	• Material Polyamide (PA) • Finish Natural
10	1 pc	1 pc	Adjuster	• Material Steel

No.	Qty		Part Name	Description
	a	b		
1	1 pc	-	Upper Rail - R Type	• Material Aluminium Alloy • Finish Anodized Silver
2	-	1 pc	Upper Rail - L Type	• Material Aluminium Alloy • Finish Anodized Silver
3	1 pc	-	Roller Unit A - R Type	• Material Steel • Colour Black
4	-	1 pc	Roller Unit A - L Type	• Material Steel • Colour Black

ARCHITECTURAL DOOR HARDWARE

SELF CLOSING SLIDE DOOR SYSTEM



SELF CLOSING SLIDE DOOR SYSTEM



LM-80



Door Weight	30-80 kg/Door
Door Thickness	28-40 mm
Door Width	700-1200 mm
Door Travel	Max. 1100 mm (In Case of Door Width 1200 mm)

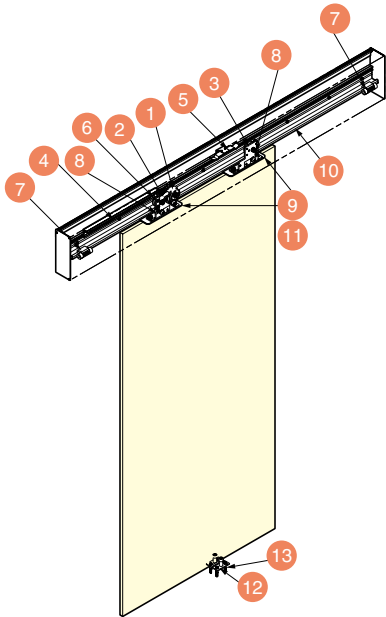
Features

- Great solution for toilet areas and general purpose rooms.
- Self closing slide door system. No electricity required.
- Built-in damper makes closing soft and quiet, preventing slamming or injury.
- Non-handed.
- Door has smooth operation and feels light, making it easy for young children and the elderly to use the door.
- Door catch holds door in fully open position.
- Damping speed adjustable for ideal soft-closing.
- Passed 1,000,000 open and close cycles in a private test.

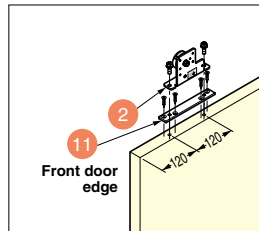
Remarks

- Please secure enough clearance between door and rail cover.
- Rail cover for door of Max. 32 mm thickness is available upon request.

Video Link

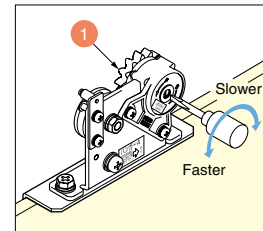


Installation of Roller



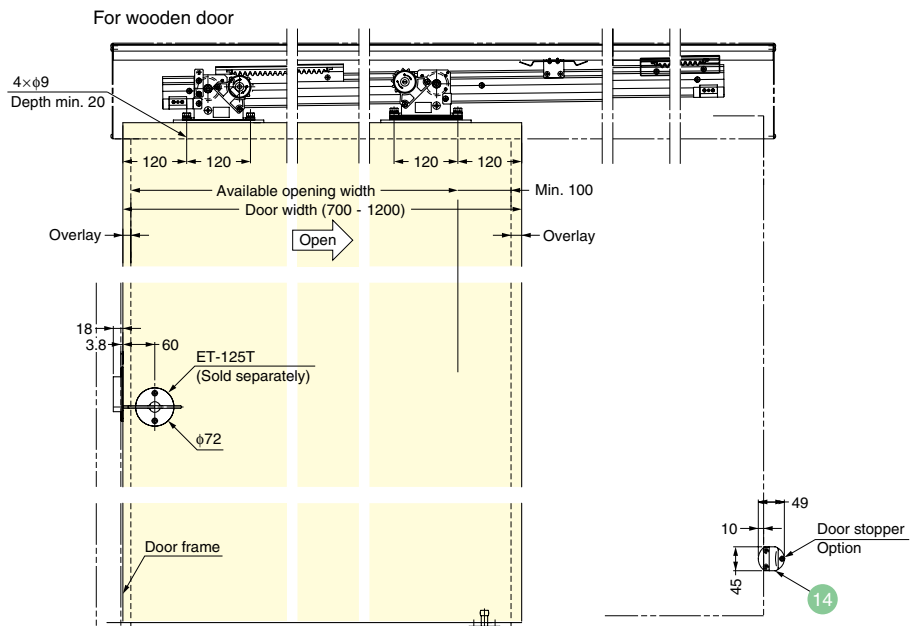
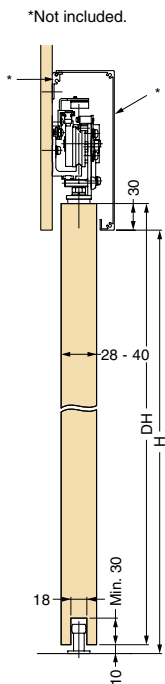
Roller brackets for solid phenolic panel and wooden door included.

Adjustment of Closing Speed



ARCHITECTURAL DOOR HARDWARE


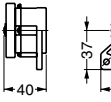

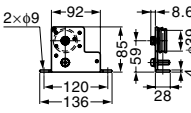

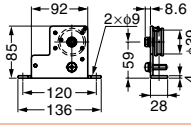

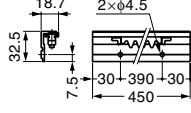

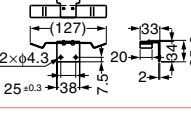

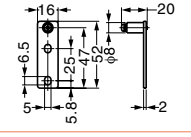

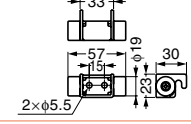

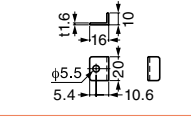
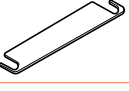
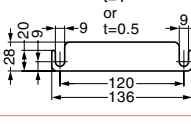

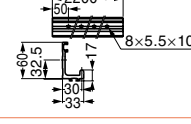

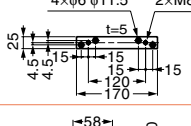

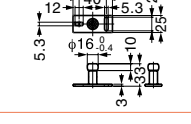

SELF CLOSING SLIDE DOOR SYSTEM



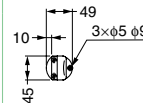

Parts Set (Per Door) **Necessary Parts**

Item Code	Item Name
250-010-613	LM-80

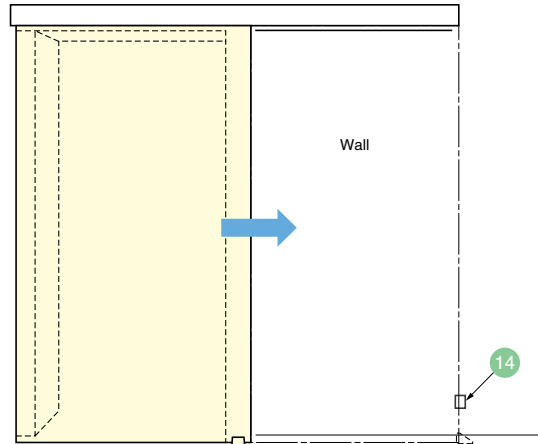
Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Damper 		Item Code: 280-188-561 Item No.: SC-C08 • Material POM • Colour Black
2	1 pc	Roller A 		• Material Steel / POM • Finish Yellow Zinc Chromate / White
3	1 pc	Roller B 		• Material Steel / POM • Finish Yellow Zinc Chromate / White
4	1 set	Gear Rack 		Item Code: 280-188-560 Item No.: SC-C07 • Material Aluminium Alloy • Finish Plain
5	1 pc	Spring 		• Material Steel / Spring Steel • Finish Yellow Zinc Chromate / Plain
6	1 pc	Stopper Roller 		• Material Steel • Finish Chromate
7	2 pcs	Door Stopper 		• Material Stainless Steel
8	2 pcs	Stopper Plate 		• Material Steel • Finish Chromate
9	t=1 :15 pcs t=0.5 :1 pc	Height Adjustment Spacer 		• Material Steel • Finish Plain
10	1 pc	Upper Rail 		• Material Aluminium Alloy • Finish Anodized
11	2 pcs	Roller Bracket 		• Material Steel • Finish Chromate
12	1 pc	Bottom Roller Guide 		• Material Stainless Steel / Polyacetal (POM)
13	2 pcs	Anchor 6x30 	-	• Material Polyamide (PA) • Colour Grey

Optional Parts

No.	Item Code	Part Name	Dimensions	Description
	280-189-066	Door Stopper		• Material Zinc Alloy (ZDC) & Rubber • Finish Satin Chrome
14	162-811			

Installation of Door Stopper





LM-80G

SELF CLOSING SLIDE DOOR SYSTEM

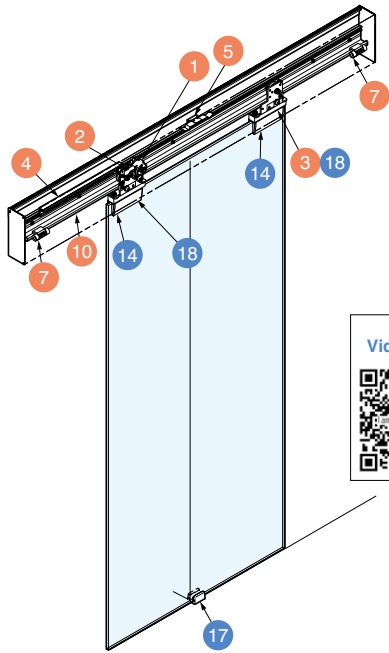
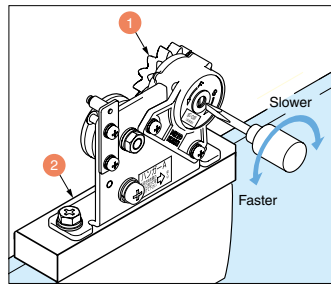


Door Weight	30-80 kg/Door
Door Thickness	8-12 mm
Door Width	700-1200 mm
Door Travel	Max. 1100 mm (In Case of Door Width 1200 mm)

Features

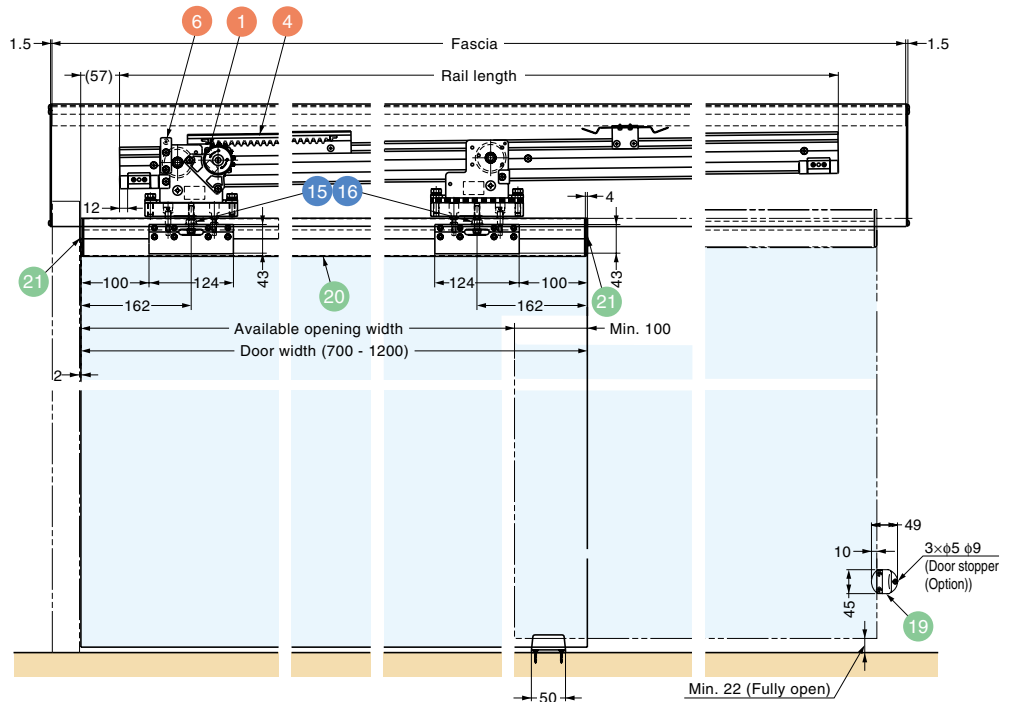
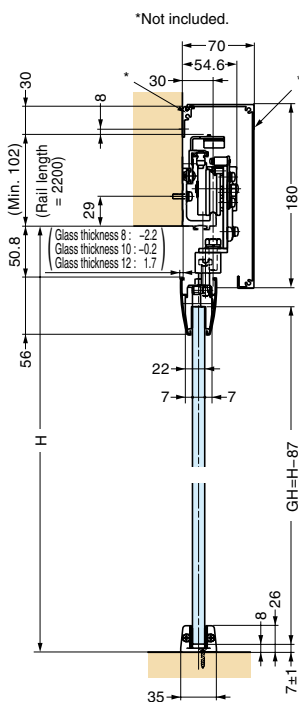
- Self closing slide door system for glass. No electricity required..
- Built-in damper makes closing soft and quiet, preventing slamming or injury.
- Non-handed.
- Door has smooth operation and feels light, making it easy for young children and the elderly to use the door.
- Door catch holds door in fully open position.
- No pre-drilled holes on glass needed for installation.
- Damping speed adjustable for ideal soft-closing.

Speed Adjustment



ARCHITECTURAL DOOR HARDWARE FOR GLASS DOORS

SELF CLOSING SLIDE DOOR SYSTEM



Parts Set (Per Door)		Necessary Parts	
Item Code	Item Name		
250-010-613	LM-80		

Parts Included

No.	Qty	Part Name	Dimensions	Description
1	1 pc	Damper		Item Code : 280-188-561 Item No. SC-C08 • Material Polyacetal (POM) • Colour Black
2	1 pc	Roller A		• Material Steel / Polyacetal (POM) • Finish Yellow Zinc Chromate / White
3	1 pc	Roller B		• Material Steel / Polyacetal (POM) • Finish Yellow Zinc Chromate / White
4	1 pc	Gear Rack		Item Code : 280-188-560 Item No. SC-C07 • Material Aluminum Alloy • Finish Plain
5	1 pc	Spring		• Material Steel • Finish Yellow Zinc Chromate / Plain
6	1 pc	Stopper Roller		• Material Steel • Finish Yellow Zinc Chromate
7	2 pcs	Door Stopper		• Material Stainless Steel
8	2 pcs	Stopper Plate		• Material Steel • Finish Yellow Zinc Chromate
9	15 pcs 1 pc	Height Adjustment Spacer		• Material Steel • Finish Plain
10	1 pc	Upper Rail (2200 mm)		• Material Aluminium Alloy • Finish Anodized Silver
11	2 pcs	Roller Bracket		• Material Steel • Finish Chromate
12	1 pc	Bottom Roller Guide		• Material Stainless Steel / Polyacetal (POM)
13	2 pcs	Anchor 6x30	-	• Material Polyamide (PA) • Colour Grey

*Do not use 11 - 13 for LM-80G.

Hanger Parts		Necessary Parts			
No.	Qty	Item Code	Part Name	Dimensions	Description
14	2 pcs	250-026-559	Glass Bracket		• Material Aluminium Alloy • Finish Plain
15	2 pcs	250-018-564	Hanger Bolt		• Material Steel • Finish Chromate
16	2 pcs	250-018-670	Nut		• Material Steel • Finish Chromate
17	1 pc	250-120-617	Bottom Guide		• Material Zinc Alloy (ZDC) • Finish Matte Chromate
18	2 pcs	250-014-969	Hanging Bracket	-	• Material Aluminium Alloy • Finish Plain

Optional Parts				
No.	Item Code	Part Name	Dimensions	Description
19	280-189-066	Door Stopper		• Material Zinc Alloy (ZDC) / Rubber • Finish Statin Chrome (Including Countersunk Head Wood Screw 4.1 x 32 3 pcs)
20	250-120-817	Bracket Cover		• Material Aluminium Alloy • Finish Anodized Silver
21	250-120-799	End Cap Set		• Material Polyacetal (POM) • Colour Black / Light Grey

ARCHITECTURAL DOOR HARDWARE

FOR GLASS DOORS

SELF CLOSING SLIDE DOOR SYSTEM

SLIDING DOOR ROLLER

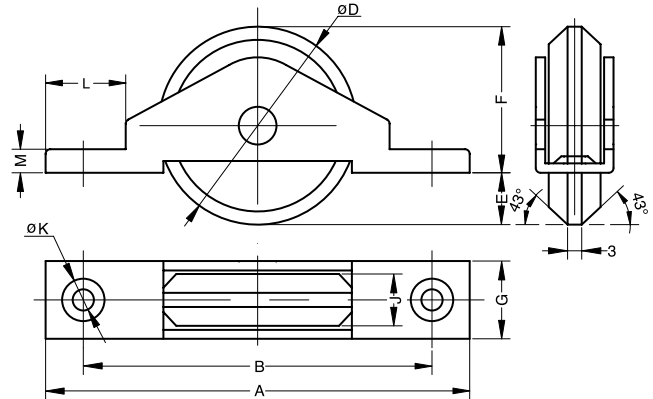


FDS, FES, FMS



Features

- Smooth and quiet movement with plastic rollers.
- FES and FMS are equipped with ball bearings providing easy operating even with heavy load.

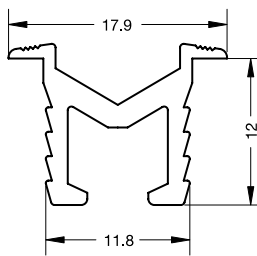
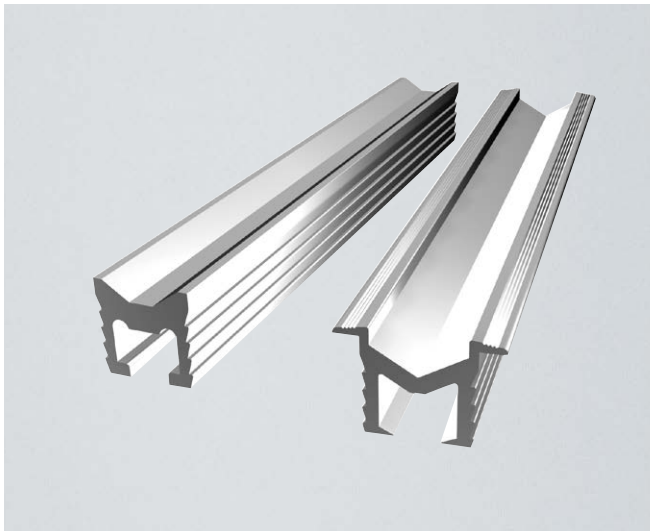


Part Name	Series	Material	Finish
Bracket, Pin	FDS, FES, FMS	304 Stainless Steel	Plain
Wheel	FDS, FES	Polyacwetal	White
	FMS	MC Nylon	Blue

Item Code	Item Name	A	B	D	E	F	G	J	K	L	M	Load Capacity/2 pcs	Weight	Box	Carton
200-139-150	FDS-0259	60	50	25	5	20	11	7	3	10	1.2	15 kg	15 g	20 pcs	200 pcs
200-139-151	FDS-0339	74	63	33	5.5	27.5	13	8	4	12	1.5	25 kg	25 g	12 pcs	120 pcs
200-139-152	FES-0339	68	57	33	7	26	13	9	4	14	5	50 kg	35 g		
200-139-153	FES-0429	92	76	42	6	36	14	9	4	18	5	70 kg	60 g	4 pcs	40 pcs
200-139-154	FMS-0509	110	85	50	8	42	17	11	5	19	5	100 kg	95 g		

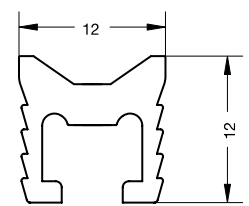
BOTTOM RAIL FOR FDS, FES, FMS

AV



AVED-12S/1820

Applicable Rollers:
FDS-0259, FDS-0339
FES-0339, FES-0429



AVF-12S/1820

Applicable Rollers:
FDS-0259, FDS-0339
FES-0339, FES-0429
FMS-0509

Item Code	Item Name	Length	Weight	Box	Carton
250-129-781	AVF-12S/1820	1820	256 g	1 pc	10 pcs
250-129-780	AVED-12S/1820		309 g		

Material	Finish
Aluminium	Anodized



STACKABLE PARTITION DOOR SYSTEM

FDP40



CLOSE



OPEN

*Re-model
at will*

Create a versatile room with movable partitions.

Perpendicular stacking



Parallel stacking



From Terrace Musashino Nakacho Model Room (Kajima Corporation)

Video Link



	Parallel Stacking (P.700-701)	Perpendicular Stacking (P.702-703)
Door Weight	Max. 40 kg/Door	
Door Thickness	34 - 40 mm	
Door Width	Stackable Door : 700 - 1000 mm Sliding Panel : 700 - 1300 mm	Swing Door : Max. 900 mm Stackable Panel : 700 - 900 mm
Door Height	Max. 2500 mm	
Specification	☐ For 3 - 4 Panels	

ARCHITECTURAL DOOR HARDWARE
STACKABLE PARTITION DOOR SYSTEM

Parts Set		Necessary Parts	
Please refer to "Qty [a] - [b]" for parts included in each set.			
Item Code	Item Name	Description	
a	250-024-540	FDP40P3P	3 Doors
b	250-024-541	FDP40P4P	4 Doors

Parts Included

No.	Qty		Part Name	Dimensions	Description
	a	b			
1	1 set	1 set	Recessed Roller For Stackable Door (SD)		Item Code : 250-024-501 Item Name : FDP40P-QRF-ST • Material Zinc Alloy / Polyacetal • Finish Chromate / Black (roller)
2	1 set	2 sets	Recessed Roller For Stackable Panel (SP)		Item Code : 250-024-502 Item Name : FDP40P-QRF • Material Zinc Alloy / Polyacetal • Finish Chromate / White (roller)
3	1 set	1 set	Recessed Roller For Sliding Panel (CP)		Item Code : 250-024-503 Item Name : FDP40P-QRL • Material Zinc Alloy / Polyacetal • Finish Chromate / Grey (roller)
4	3 sets	4 sets	Hanging Bracket		Item Code : 250-024-505 Item Name : FDP40-DTR340 • Material Aluminium • Finish Anodized Silver
5	6 pcs	8 pcs	End Cap		Item Code : 250-121-142 Item Name : FD-70B-EC-BL • Material Elastomer (TPE) • Finish Black
6	1 pc	1 pc	Spanner For Adjustment		Item Code : 250-024-506 Item Name : FDP40-SP10 • Material Steel • Finish Chromate

Optional Parts				
No.	Item Code	Part Name	Dimensions	Description
7	250-024-525	Flush Bolt		• Material SUS304 • Finish Hairline
	FDP40-DBL150HL			
8	250-024-526	Gasket		• Material Rubber (CR) • Finish Black
	FDP40-DSP2500BL			
9	250-024-527	Counter Part For Gasket		• Material ABS • Finish Black
	FDP40-DSPU2500BL			
10	250-024-528	Door Bottom Tightener (W: 800 mm)		• Material Aluminium • Finish Anodized Silver
	FDP40-DBT800			
10	250-024-529	Door Bottom Tightener (W: 1000 mm)		• Material Aluminium • Finish Anodized Silver
	FDP40-DBT1000			
11	250-029-828	Magnetic Floor Guide		• Material Steel / ABS • Finish Light Grey
	FD30-MGFP-LGR			
11	250-029-830	Magnetic Floor Guide		• Material Steel / ABS • Finish Dark Brown
	FD30-MGFP-DBR			
12	250-026-500	Counter Plate For Magnetic Floor Guide		• Material Neodymium / Polyamide • Finish Grey
	FD30-MGDB			
13	250-026-501	Guide Track For 11 12		• Material ABS • Finish Grey
	FD30-MGDR1000			

ARCHITECTURAL DOOR HARDWARE

STACKABLE PARTITION DOOR SYSTEM

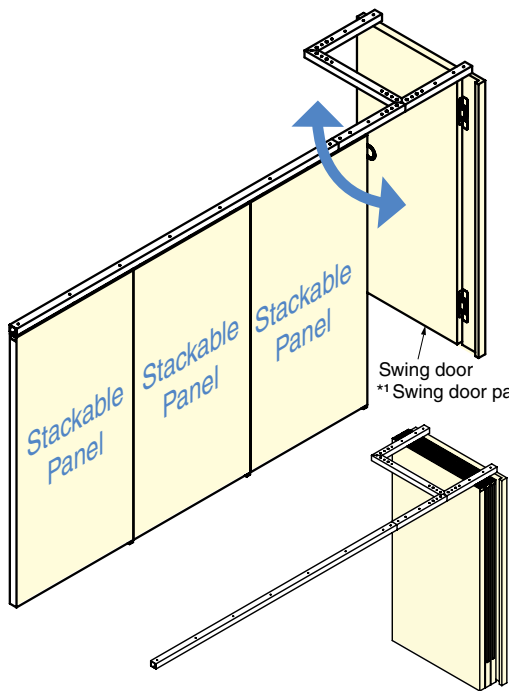
Upper Track		Necessary Parts							
Item Code	Part Name	Dimensions	Description	Item Code	Part Name	Dimensions	Description		
250-024-507	Upper Track (3000 mm)		• Material Aluminium • Finish Anodized Silver	250-024-513	Upper Track For Stacking Area (Left)		• Material Aluminium • Finish Anodized Silver		
FDP40-TRM3000SL				FDP40P-TRMSL-SL					
250-024-508	Upper Track (4000 mm)		• Material Aluminium • Finish Anodized Silver	250-024-514	Upper Track For Stacking Area (Right)				• Material Aluminium • Finish Anodized Silver
FDP40-TRM4000SL				FDP40P-TRMSR-SL					

*Above shows left type.

STACKABLE PARTITION DOOR SYSTEM

FDP40V

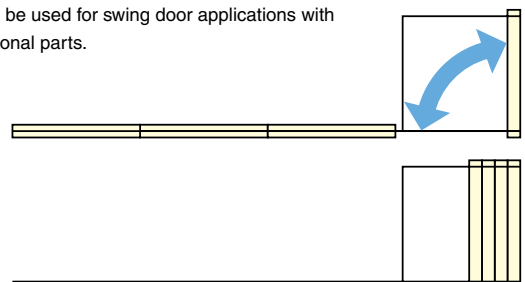
ARCHITECTURAL DOOR HARDWARE



	Perpendicular Stacking
Roller	Recessed Mount
Door Weight	Max. 40 kg/Door
Door Thickness	34 - 40 mm
Door Width	Max. 900 mm (Swing Door)
	700 - 900 mm (Stackable Panel)
Door Height	Max. 2500 mm

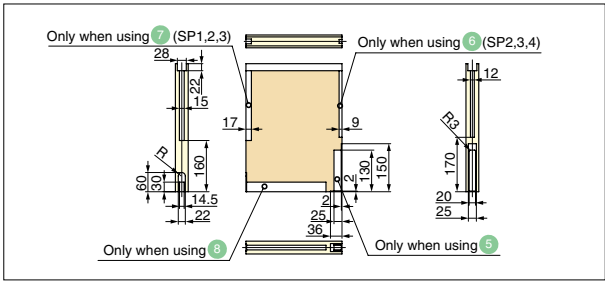
Features

- Perpendicular stacking partition door system.
- Easy door installation - Simply hang the door onto the rollers.
- No bottom rail for clean appearance.
- Can be used for swing door applications with optional parts.

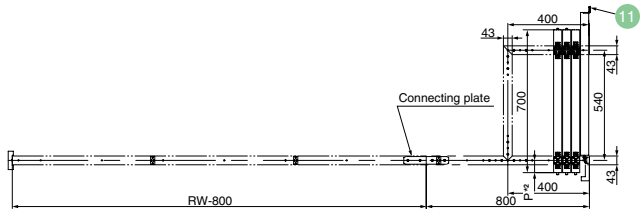
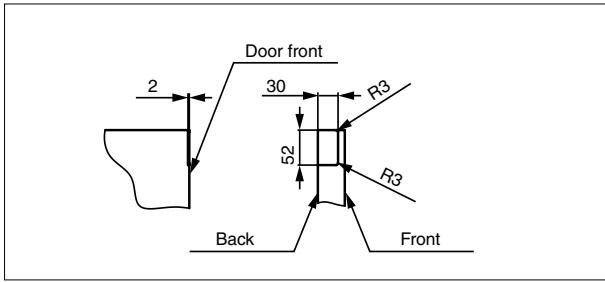


Door Preparation

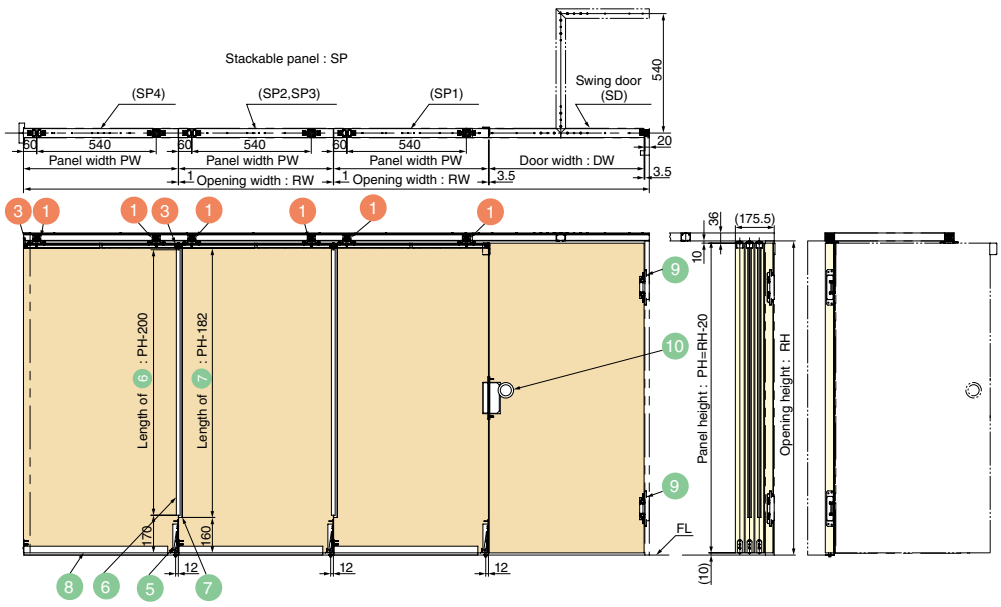
Stackable Panel (SP)



For Door Stopper 11 (SD)



*2
If panel width PW ≤ 780, P = 60.
If 780 < panel width PW ≤ 900,
P ≥ panel width PW - 720.



STACKABLE PARTITION DOOR SYSTEM

OPTIONAL PARTS FOR FDP40

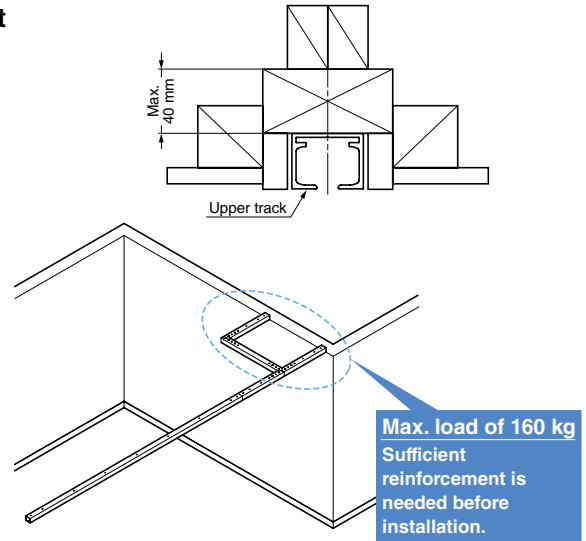
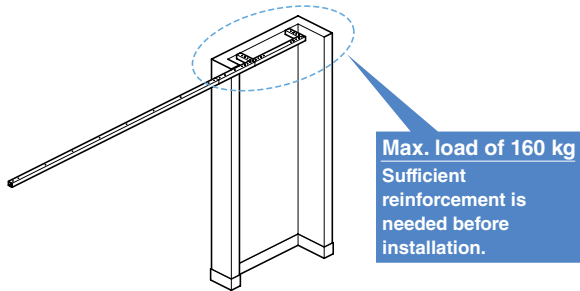
ARCHITECTURAL DOOR HARDWARE

OPTIONAL PARTS FOR FDP40

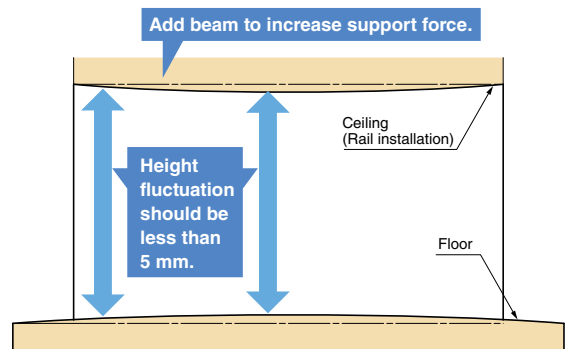
Optional Parts				
No.	Item Code	Part Name	Dimensions	Description
1	250-024-525	Flush Bolt		<ul style="list-style-type: none"> Material: Stainless Steel Finish: Satin Application: Used for fixing panel to the floor. Parts Included: <ul style="list-style-type: none"> Strike Countersunk Screw 3.1x20 4 pcs Countersunk Screw 2.7x20 2 pcs Please refer to P.700-703 for cut out dimensions.
2	250-024-526	Gasket		<ul style="list-style-type: none"> Material: Black: Chloroprene Rubber (CR); White: Ethylene Propylene Rubber (EPDM) Application: Concealed gasket used for gaps between panels.
3	250-025-596	Gasket		<ul style="list-style-type: none"> Material: Black: Chloroprene Rubber (CR); White: Ethylene Propylene Rubber (EPDM) Application: Concealed gasket used for gaps between panels.
4	250-024-527	Counter Part for Gasket (2500 mm)		<ul style="list-style-type: none"> Material: ABS Application: Track for gasket
5	250-025-593	Counter Part for Gasket (2500 mm)		<ul style="list-style-type: none"> Material: ABS Application: Track for gasket
6	250-024-528	Door Bottom Tightener		<ul style="list-style-type: none"> Material: Aluminium Alloy / Elastomer Finish: Anodized Silver / Black Screw: Countersunk Head Tapping Screw 3.5x20 4 pcs, 3.1x16 2 pcs Application: Used for filling gap between panels and the floor.
7	250-024-529	Door Bottom Tightener		<ul style="list-style-type: none"> Material: Aluminium Alloy / Elastomer Finish: Anodized Silver / Black Screw: Countersunk Head Tapping Screw 3.5x20 4 pcs, 3.1x16 2 pcs Application: Used for filling gap between panels and the floor.
8	250-029-828	Bottom Guide Pin		<ul style="list-style-type: none"> Material: Steel Finish: Chromate Application: Tool for adjustment of bottom rails direction.
9	250-029-829	Bottom Guide Pin		<ul style="list-style-type: none"> Material: Steel Finish: Chromate Application: Tool for adjustment of bottom rails direction.
10	250-029-830	Bottom Guide Pin		<ul style="list-style-type: none"> Material: Steel Finish: Chromate Application: Tool for adjustment of bottom rails direction.
11	250-026-500	Counter Plate for Magnetic Floor Guide		<ul style="list-style-type: none"> Material: Steel / Polyacetal / Aluminium / Zinc Alloy Finish: Nickel / Light Grey / Anodized
12	250-026-501	Bottom Guide Track (1000 mm)		<ul style="list-style-type: none"> Material: Steel / Polyacetal / Aluminium / Zinc Alloy Finish: Nickel / Light Grey / Anodized
13	250-022-252	Spanner for Adjustment		<ul style="list-style-type: none"> Material: Steel Finish: Chromate Application: Tool for adjustment of bottom rails direction.
14	170-020-804	3-way Adjustable Concealed Hinge		<ul style="list-style-type: none"> Material: Steel / Polyacetal / Aluminium / Zinc Alloy Finish: Nickel / Light Grey / Anodized
15	260-024-534	Magnetic Latch Handle		<ul style="list-style-type: none"> Material: Steel Finish: Chromate Application: Tool for adjustment of bottom rails direction.
16	250-024-535	Door Stopper		<ul style="list-style-type: none"> Material: Stainless Steel / Polyurethane (PUR) Finish: Mirror / Clear Screws for Installation Included Application: Door stopper for swing door.
17	250-025-761	Rail Connecting Bar		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate Screw: Countersunk Head Tapping Screw 4x40 4 pcs Application: Use for connecting rails.
18	250-029-719	Stopper		<ul style="list-style-type: none"> Material: Steel (SPCC) / SBR Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
19	250-029-723	End Plate		<ul style="list-style-type: none"> Material: Steel (SECC) Finish: Acrylic Resin Application: Cover for recessed track.
20	250-029-724	End Plate		<ul style="list-style-type: none"> Material: Steel (SECC) Finish: Acrylic Resin Application: Cover for recessed track.
21	250-029-725	End Plate		<ul style="list-style-type: none"> Material: Steel (SECC) Finish: Acrylic Resin Application: Cover for recessed track.
22	250-029-776	End Stopper for Upper Track		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
23	250-029-777	End Stopper for Upper Track		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
24	250-029-778	End Stopper for Upper Track		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
25	250-029-773	End Stopper for Parallel Stacking		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
26	250-029-774	End Stopper for Parallel Stacking		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
27	250-029-775	End Stopper for Parallel Stacking		<ul style="list-style-type: none"> Material: Steel (SPCC) Finish: Clear Zinc Chromate / Black Application: Used for stopper in upper rail.
28	250-024-897	End Cap for Hanging Bracket		<ul style="list-style-type: none"> Material: Elastomer (TPE) Colour: White Application: Cap for hanging bracket

FDP STACKABLE PARTITION DOOR SYSTEM CHECK POINTS FOR INSTALLATION

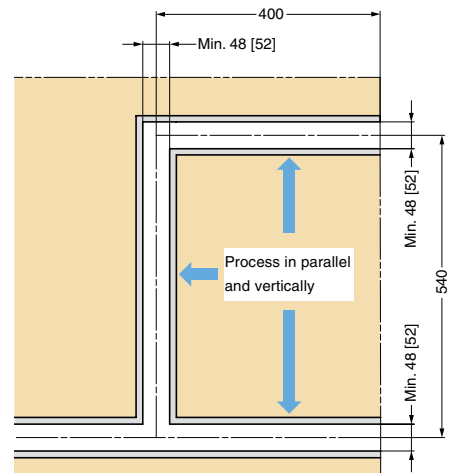
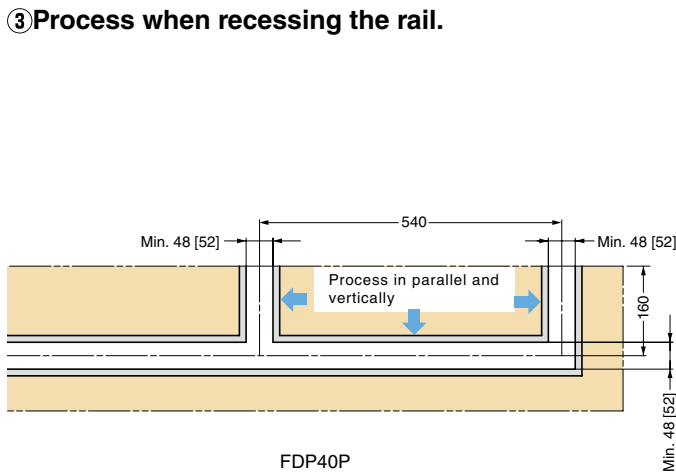
① Make sure that the ceiling is strong enough to support a load of 160 kg (in the stacking part of the rail).



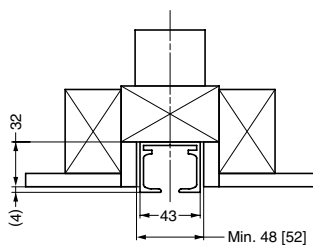
② Check the ceiling for sag and floor for warp.



③ Process when recessing the rail.

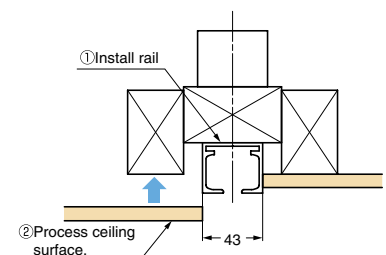


FDP40V
Dimension in [] denoted when cloth is added.



When processing without gap between ceiling face and rail

- At first, install the rail to reinforcement material behind the ceiling.
- Then, fix the ceiling face to meet rail mount dimensions.



MAGNET BOTTOM GUIDE



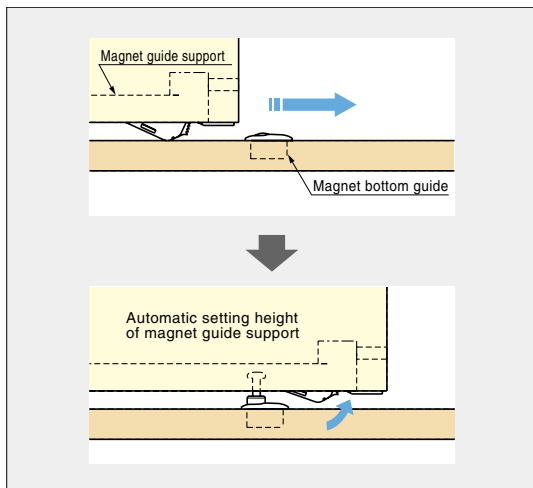
FD30-MG



Door Weight	Max. 40 kg/Door
Door Thickness	Min. 30 mm
Door Width	590 - 1000 mm
Door Height	Max. 2500 mm
Thickness of Wooden Floor	Min. 12 mm

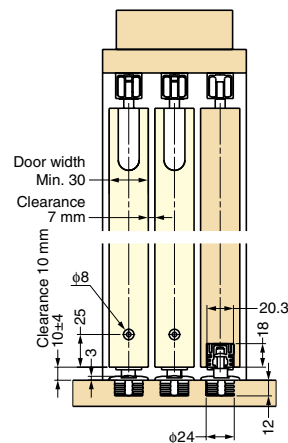
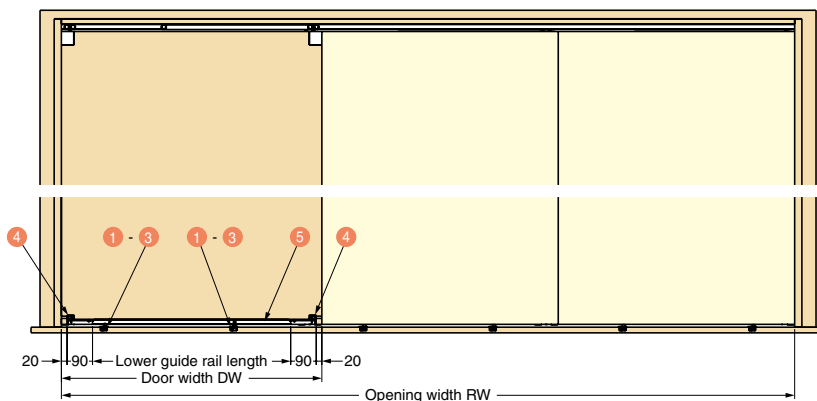
Features

- Guide pin pops up only under the door.
- Clean appearance unlike the ordinary door tracks.
- Automatic adjustment function to optimize the height of magnetic guide support.

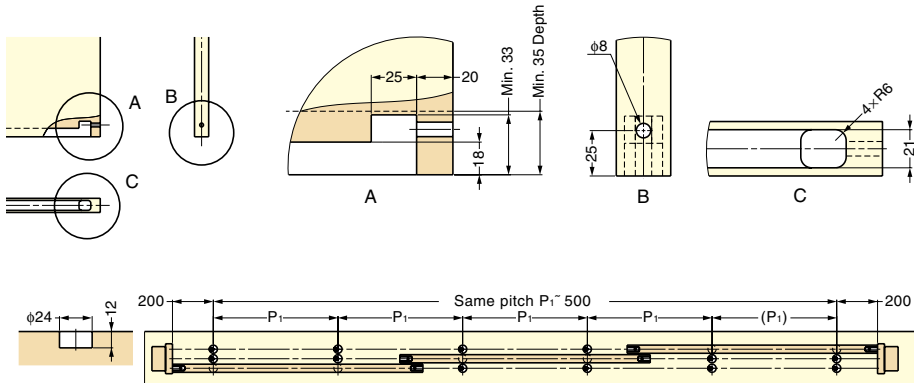


ARCHITECTURAL DOOR HARDWARE

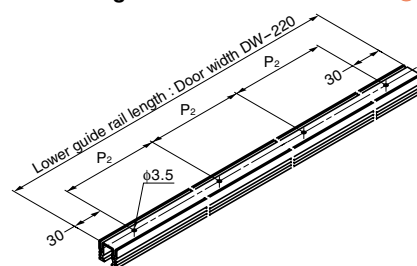
Installation



Installation Procedure




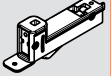
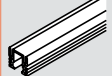

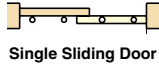
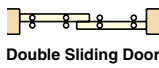

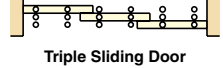

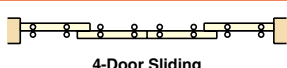
Processing Holes of Lower Guide Rail



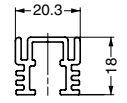
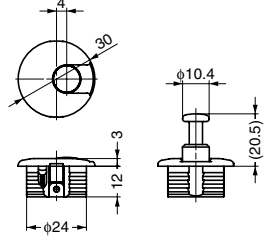
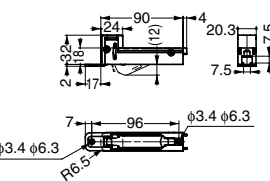
Pitch : P₂ 30 0
 * Included screws; Pan head tapping screws 3×16 4 pcs

- Provide screw holes, with the pitch less than 300 mm
- At 30 mm from both ends of rail, provide 3.5 mm dia. Hole with drill

MAGNET BOTTOM GUIDE

Parts Set		Necessary Parts		Please refer to "Qty [a] - [r]" for parts included in each set.			
Types of Door Application	Item Code	Item Name	1 - 3 Lower Guide Pin	4 Magnet Guide Support	5 Lower Guide Rail	6 Spanner	
							
 Single Sliding Door	250-028-800	FD30-MG1HKP-LGR	4 pcs (Light Grey)	1 set	1 pc	1 pc	
	250-028-801	FD30-MG1HKP-LBR	4 pcs (Light Brown)				
	250-028-802	FD30-MG1HKP-DBR	4 pcs (Dark Brown)				
 Double Sliding Door	250-027-156	FD30-MG2HCP-LGR	8 pcs (Light Grey)	2 sets	2 pcs	1 pc	
	250-027-157	FD30-MG2HCP-LBR	8 pcs (Light Brown)				
	250-027-158	FD30-MG2HCP-DBR	8 pcs (Dark Brown)				
 2-Door Sliding	250-027-159	FD30-MG2HKP-LGR	10 pcs (Light Grey)	2 sets	2 pcs	1 pc	
	250-027-160	FD30-MG2HKP-LBR	10 pcs (Light Brown)				
	250-027-161	FD30-MG2HKP-DBR	10 pcs (Dark Brown)				
 Triple Sliding Door	250-027-162	FD30-MG3HCP-LGR	18 pcs (Light Grey)	3 sets	3 pcs	1 pc	
	250-027-163	FD30-MG3HCP-LBR	18 pcs (Light Brown)				
	250-027-164	FD30-MG3HCP-DBR	18 pcs (Dark Brown)				
 3-Door Sliding	250-027-165	FD30-MG3HKP-LGR	18 pcs (Light Grey)	3 sets	3 pcs	1 pc	
	250-027-166	FD30-MG3HKP-LBR	18 pcs (Light Brown)				
	250-027-167	FD30-MG3HKP-DBR	18 pcs (Dark Brown)				
 4-Door Sliding	250-027-168	FD30-MG4HWP-LGR	16 pcs (Light Grey)	4 sets	4 pcs	1 pc	
	250-027-169	FD30-MG4HWP-LBR	16 pcs (Light Brown)				
	250-027-170	FD30-MG4HWP-DBR	16 pcs (Dark Brown)				

Parts Included

No.	Part Name	Dimensions	Description	No.	Part Name	Dimensions	Description
1	Lower Guide Pin		Item Code : 250-029-828 Item Name : FD30-MGFP-LGR • Material Polyacetal (POM) / Steel / Zinc Alloy (ZDC) • Finish Chrome / Nickel • Colour Light Grey • Screw Pan Head Tapping Screw 3x14 2 pcs	5	Lower Guide Rail (1000 mm)		Item Code : 250-026-501 Item Name : FD30-MGDR1000 • Material ABS • Colour Grey • Screw Pan Head Tapping Screw 3x16 4 pcs
2			Item Code : 250-029-829 Item Name : FD30-MGFP-LBR • Material Polyacetal (POM) / Steel / Zinc Alloy (ZDC) • Finish Chrome / Nickel • Colour Light Brown • Screw Pan Head Tapping Screw 3x14 2 pcs	6	Spanner		Item Code : 250-022-252 Item Name : FD80-HHSP • Material Steel • Finish Chromate
3			Item Code : 250-029-830 Item Name : FD30-MGFP-DBR • Material Polyacetal (POM) / Steel / Zinc Alloy (ZDC) • Finish Chrome / Nickel • Colour Dark Brown • Screw Pan Head Tapping Screw 3x14 2 pcs				
4	Magnet Guide Support		Item Code : 250-026-500 Item Name : FD30-MGDB • Material Polyacetal (POM) / Neodym • Finish Grey / Nickel • Screw Countersunk Head Tapping Screw 3x12 2 pcs				

ARCHITECTURAL DOOR HARDWARE

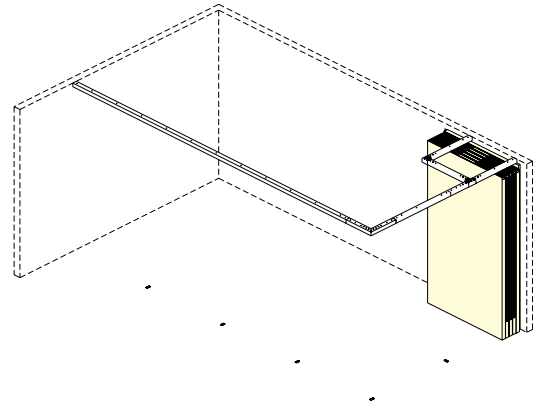
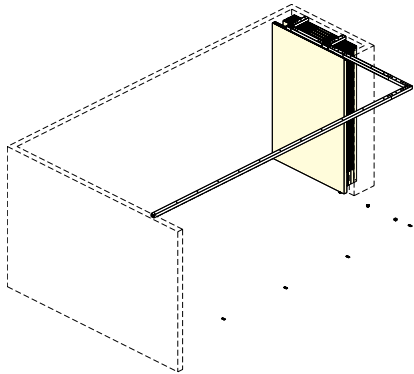
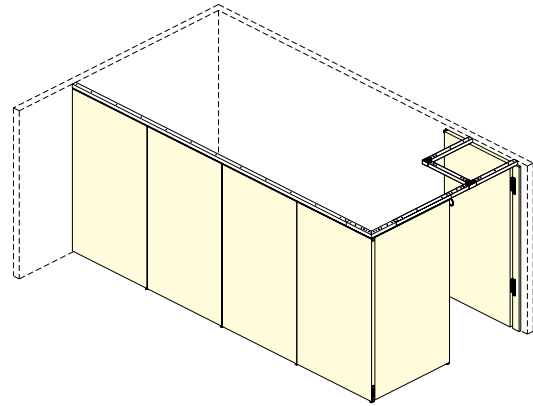
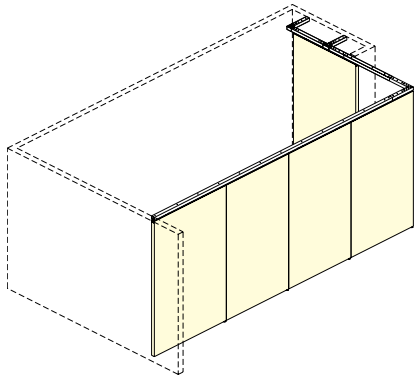
MAGNET BOTTOM GUIDE

STACKABLE PARTITION DOOR SYSTEM DIGEST

FDP40L

Parallel Stacking Type FDP40LP

Perpendicular Stacking Type FDP40LV



ARCHITECTURAL
DOOR HARDWARE

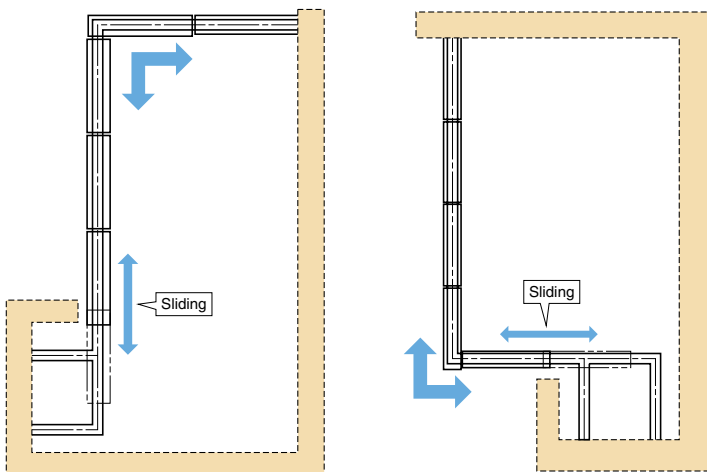
NEW STACKABLE PARTITION DOOR SYSTEM DIGEST

	Parallel Stacking	Perpendicular Stacking
Door Width	Stackable Panel: 700 - 1000 mm	Swing Door: Max. 900 mm Stackable Panel: 700 - 900 mm
Door Height	Max. 2500 mm	
Door Thickness	34 - 40 mm	
Door Weight	Max. 40 kg/Panel	
Door	3 - 6 Doors	

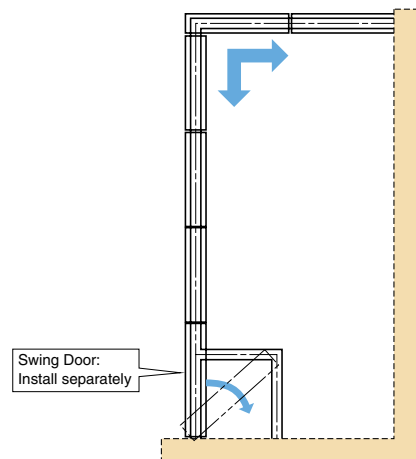
Features

- The corner parts and the new type of rail make possible to create an L-shaped partition of space.
- Smooth movement with Quad Core Roller.
- Panels are stackable in minimal space.

[1] FDP40LP Corner + Parallel Stacking



[2] FDP40LV Corner + Perpendicular Stacking



SLIDING DOOR SYSTEM DIGEST

FD35EV



	Two-Way Soft-Close	One-Way Soft-Close	Standard Sliding
Door Weight	Max. 35 kg/Door		
Door Thickness	Min. 24 mm		
Door Width	590 - 1200 mm	520 - 1200 mm	700-1200 mm
Door Height	Max. 2400 mm		2401-2700 mm
Door	1 or 2 doors		

Features

- Great solution for public areas where wider opening are needed including hotels, hospitals, and nursing homes.
- Easy installation with fixed trigger.
- Damper equipped for soft and silent closing.
- Thin profile provides flexible design which can be used on many different types of applications.

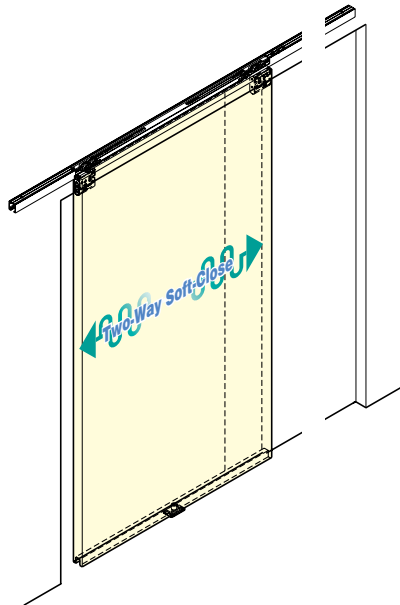
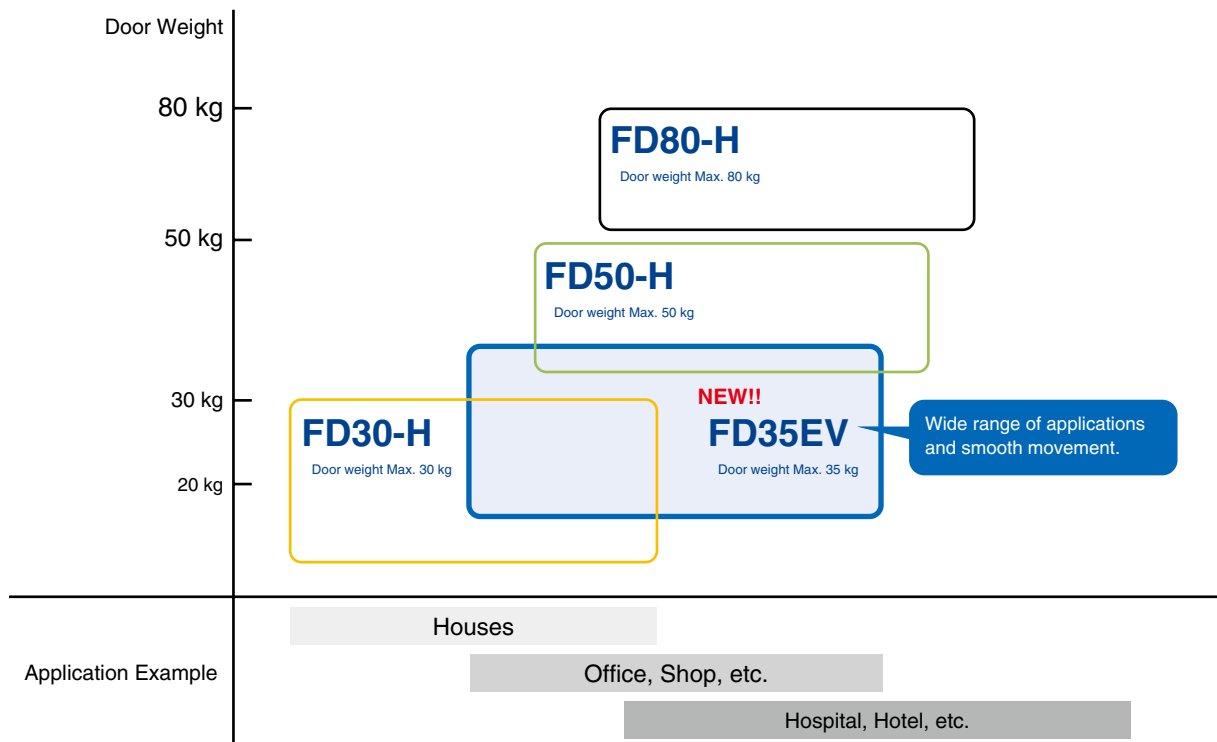


Chart of FD Series



ALUMINIUM FRAME SWING DOOR



AF-25D



Door Weight	Max. 40 kg (including parts weight)
Glass Thickness	5, 6 mm
Door Width	Max. 900 mm (Max. 1000 mm for using intermediate support)
Door Height	Max. 2200 mm (Max. 3000 mm for using intermediate support)

Features

- Great solution for apartments, residences, retail and public facilities. Can be used in many different layouts including inner partitions or walk-in closets.
- Uses a thick, durable aluminium frame which prevents deformation.
- Can be used on many different thicknesses and types of glass.

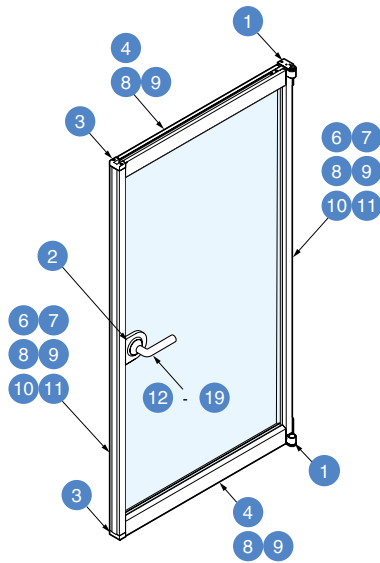
Remarks

- Intermediate support not needed when door size is within H2200 mm x W900 mm. Please refer to below "necessary intermediate support quantity".
- Please use stopper parts & door stopper.

ARCHITECTURAL DOOR HARDWARE

FOR GLASS DOORS

ALUMINIUM FRAME SWING DOOR

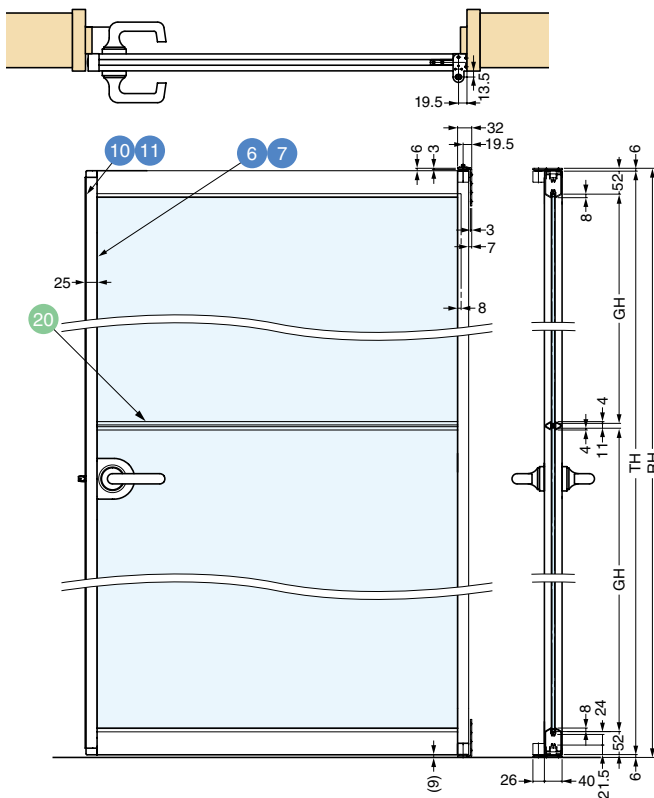


Necessary Intermediate Support Quantity

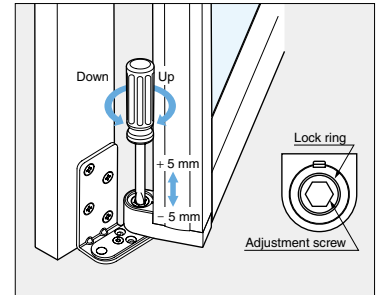
Intermediate support required when either door height or door width exceeds standard size. Pictures shown below are door size examples which require intermediate support. Glass thickness : 5 mm, Door weight : 70 kg

Support Qty.	Door Size
No Need Any Support	W900xH2200
2 Supports	Less than W800xH2500
3 Supports	Less than W750xH2700
4 Supports	Less than W700xH3000

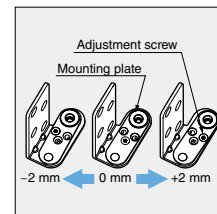
Installation (Glass door with one intermediate support)



Vertical Adjustment



Horizontal Adjustment



Part Details		Necessary Parts					
No.	Part Name	Item Code	Type	Qty. Per One Door	Dimensions	Description	
1	Pivot Hinge	170-121-109	Non-Handed	1 set		<ul style="list-style-type: none"> Material Zinc Alloy / SUS304 Finish Matt Chrome / Plain 	
		AF-25-P10					
2	Handle Case	260-120-076	-	1 set		<ul style="list-style-type: none"> Material Zinc Alloy Finish Nickel Matt Silver (Cover) 	
		AF-25-P06					
3	Connector	250-120-056	-	2 pcs		<ul style="list-style-type: none"> Material Zinc Alloy Finish Matt Chrome 	
		AF-25-P04					
4	Horizontal Frame	250-120-070	-	1 pc		<ul style="list-style-type: none"> Material Aluminium Alloy Finish Matt Silver 	
		AF-25-W02					
5	Screws Set	250-181-198	-	1 set		<ul style="list-style-type: none"> Material Stainless Steel Finish Plain 	
		AF-25-DS					
6	Vertical Frame	250-940-965	-	2 pcs		<ul style="list-style-type: none"> Material Aluminium Alloy Finish Matt Silver 	
		AF-25-W01-2.5M					2500 mm
7		250-121-116					
		AF-25-W01-3M					
8	Gasket	250-940-960	-	Please order necessary qty. based on your door size.		<ul style="list-style-type: none"> Material Elastomer (TPE) Finish Light Grey 	
		AF-25-P02					Glass Thickness 5 mm 2500 mm
9		250-181-197					
		AF-25-P15					
10	Cover	270-940-959	-	2 pcs		<ul style="list-style-type: none"> Material Elastomer (TPE) Finish Light Grey 	
		AF-25-P01-25					2500 mm
		270-942-846					3000 mm
11		AF-25-P01-30					

No.	Part Name	Item Code	Type	Qty. Per One Door	Dimensions	Description
12	Lever Handle A	260-170-381	Passage	1 set		<ul style="list-style-type: none"> Material Aluminium Finish Anodized / Satin
		HCSA138F11				
13	Passage Type is Shown.	260-170-382	Cylinder Lock & Thumbturn	1 set		<ul style="list-style-type: none"> (Strike) Material Steel Finish Plain / Black Parts Included Screw : Countersunk Head Tapping Screw 4x30 2 pcs
		HCSA138SF11G				
14		260-170-383	Indicator & Thumbturn	1 set		<ul style="list-style-type: none"> (Strike) Material Steel Finish Plain / Black Parts Included Screw : Countersunk Head Tapping Screw 4x30 2 pcs
		HCSA138SF11H				
15		260-170-384	Privacy & Thumbturn	1 set		<ul style="list-style-type: none"> (Strike) Material Steel Finish Plain / Black Parts Included Screw : Countersunk Head Tapping Screw 4x30 2 pcs
		HCSA138SF11M				
16	Lever Handle C	260-170-389	Passage	1 set		<ul style="list-style-type: none"> Material Aluminium Finish Anodized / Satin
		HCSA197F11				
17	Passage Type is Shown.	260-170-390	Cylinder Lock & Thumbturn	1 set		<ul style="list-style-type: none"> (Strike) Material Steel Finish Plain / Black Parts Included Screw : Countersunk Head Tapping Screw 4x30 2 pcs
		HCSA197SF11G				
18		260-170-391	Indicator & Thumbturn	1 set		<ul style="list-style-type: none"> (Strike) Material Steel Finish Plain / Black Parts Included Screw : Countersunk Head Tapping Screw 4x30 2 pcs
		HCSA197SF11H				
19		260-170-392	Privacy & Thumbturn	1 set		<ul style="list-style-type: none"> (Strike) Material Steel Finish Plain / Black Parts Included Screw : Countersunk Head Tapping Screw 4x30 2 pcs
		HCSA197SF11M				

Optional Parts						
No.	Part Name	Item Code	Type	Qty. Per One Door	Dimensions	Description
20	Intermediate Support	250-940-967	-	2000 mm		<ul style="list-style-type: none"> Material Aluminium Alloy Finish Matt Silver
		AF-25-W03				
21	Gasket for Intermediate Support	250-940-961	-	Please order necessary qty. based on your door size.		<ul style="list-style-type: none"> Material Elastomer (TPE) Finish Light Grey
		AF-25-P03				
22	Gasket for Intermediate Support	250-181-196	-	Please order necessary qty. based on your door size.		<ul style="list-style-type: none"> Material Elastomer (TPE) Finish Light Grey
		AF-25-P16				

ARCHITECTURAL DOOR HARDWARE FOR GLASS DOORS ALUMINIUM FRAME SWING DOOR

ROLLING DOOR SYSTEM



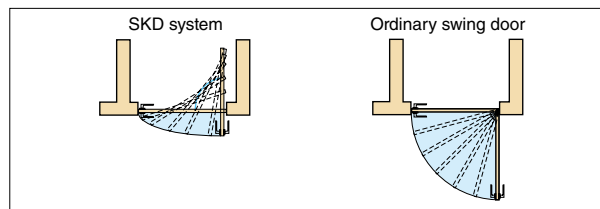
SKD



Door Weight	Max. 30 kg/Door
Door Thickness	28.4-36 mm
Door Width	695 mm or 790 mm
Door Height	1940 mm

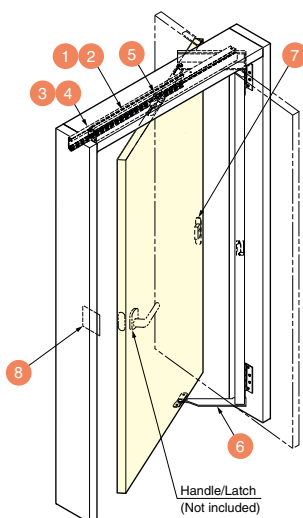
Features

- Minimum opening clearance - 1/3 of ordinary swing doors.
- Easy use for the disabled: No need to step back to open the door.

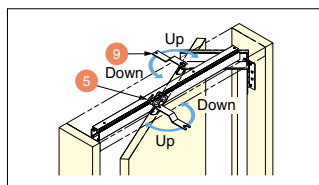


ARCHITECTURAL DOOR HARDWARE

ROLLING DOOR SYSTEM

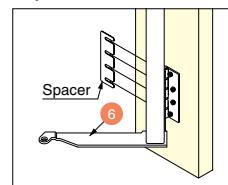


Adjustment of Door Height



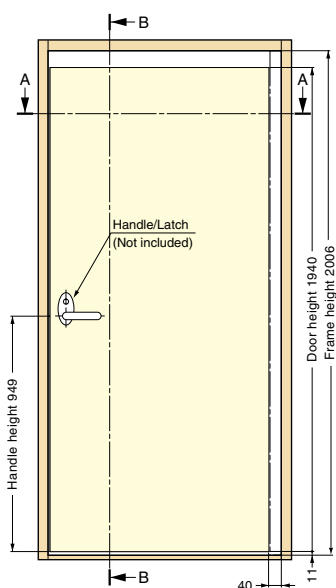
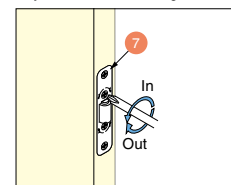
Adjustable height: ±6 mm

Adjustment of Arm Parts

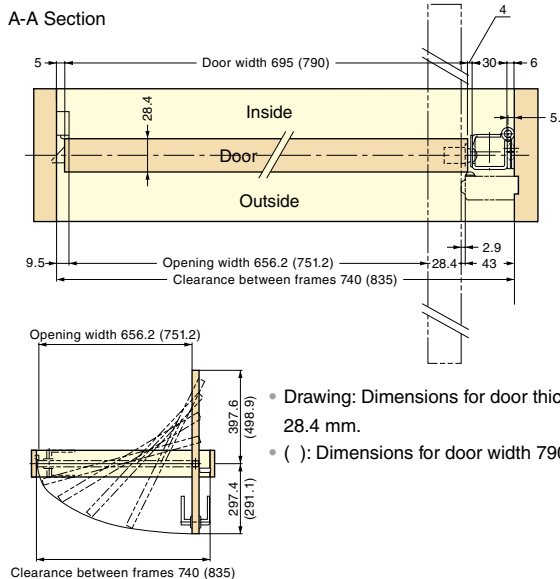


Adjustable length: 2 mm off from Frame

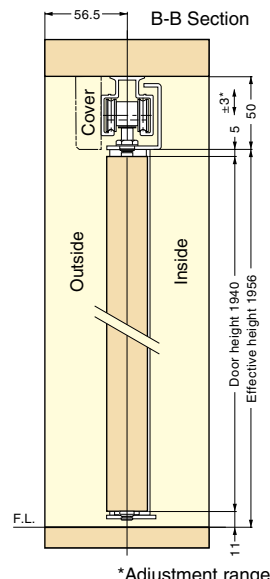
Adjustment of Retaining Force



A-A Section



B-B Section

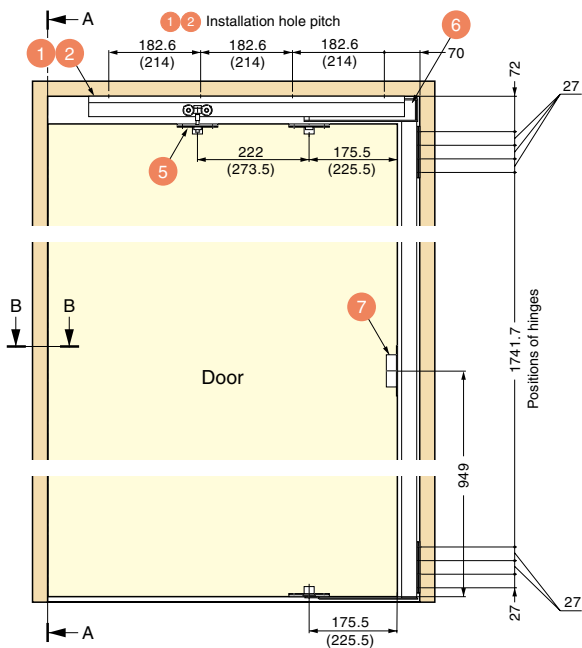


- Drawing: Dimensions for door thickness 28.4 mm.
- () : Dimensions for door width 790 mm.

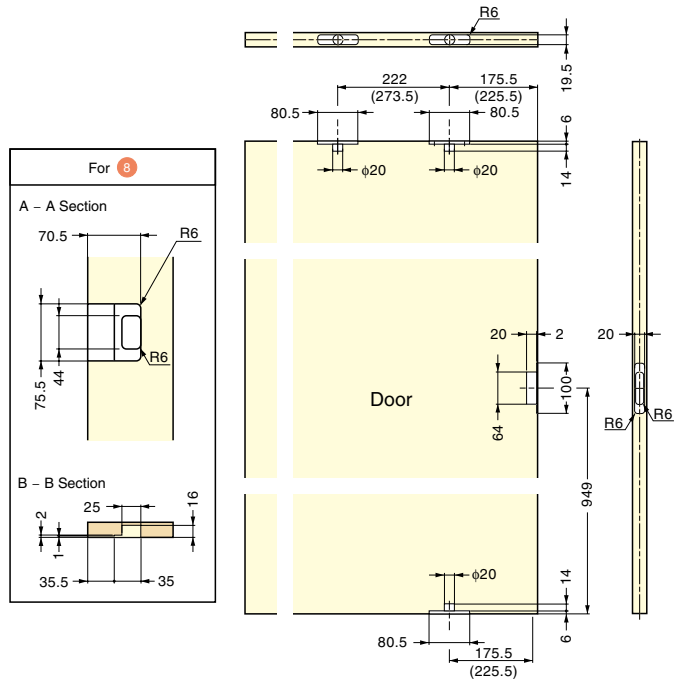


Installation

(): Dimensions for door width 790 mm.

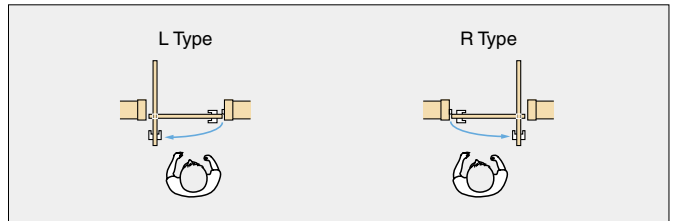


Cut Out Dimensions



ARCHITECTURAL
DOOR HARDWARE

Parts Set (Per Door)		Necessary Parts	
Please refer to "Qty [a] [b] [c] [d]" for parts included in each set.			
Item Code	Item Name	Description	
[a]	250-121-300	SKD-695 (R)	R Type for Door Width 695 mm
[b]	250-121-301	SKD-695 (L)	L Type for Door Width 695 mm
[c]	250-121-302	SKD-790 (R)	R Type for Door Width 790 mm
[d]	250-121-303	SKD-790 (L)	L Type for Door Width 790 mm



No.	Qty				Part Name	Description
	[a]	[b]	[c]	[d]		
[1]	1 pc	1 pc	-	-	Upper Rail for Door Width 695 mm	<ul style="list-style-type: none"> Material Aluminium Alloy Finish Bronze Anodized
[2]	-	-	1 pc	1 pc	Upper Rail for Door Width 790 mm	<ul style="list-style-type: none"> Material ABS Colour Brown
[3]	1 pc	1 pc	-	-	Cover for Door Width 695 mm	<ul style="list-style-type: none"> Material ABS Colour Brown
[4]	-	-	1 pc	1 pc	Cover for Door Width 790 mm	<ul style="list-style-type: none"> Material Zinc Alloy (ZDC) / Polyacetal (POM) Finish Plain / Natural
[5]	1 pc	1 pc	1 pc	1 pc	Upper Roller	<ul style="list-style-type: none"> Material Zinc Alloy (ZDC) / Polyacetal (POM) Finish Plain / Natural

No.	Qty				Part Name	Description
	[a]	[b]	[c]	[d]		
[6]	1 pc	1 pc	1 pc	1 pc	Arm Parts	<ul style="list-style-type: none"> Material Steel Colour Brown
[7]	1 pc	1 pc	1 pc	1 pc	Roller Catch	<ul style="list-style-type: none"> Material Stainless Steel (SUS304) Finish Satin
[8]	1 pc	1 pc	1 pc	1 pc	Strike	<ul style="list-style-type: none"> Material Stainless Steel (SUS430) Finish Polished
[9]	1 pc	1 pc	1 pc	1 pc	Adjuster	<ul style="list-style-type: none"> Material Steel Finish Yellow Zinc Chromate

ROLLING DOOR SYSTEM

LEVER HANDLE



ZL-1101, ZL-1102, ZL-1103

Zwei L

Zwei L represents the very pinnacle of ultra-premium Japanese hardware design. Contrasting bands of mirror finish and lustrous satin on a faceted profile give jewel like highlights which flatter any architectural space.

Zwei L®



Video Link



ARCHITECTURAL
DOOR HARDWARE

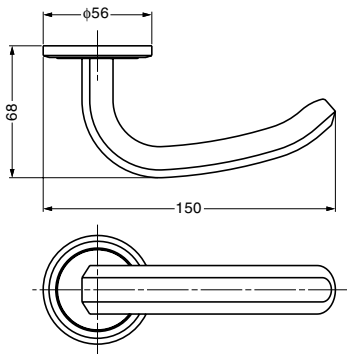
LEVER HANDLE

Features

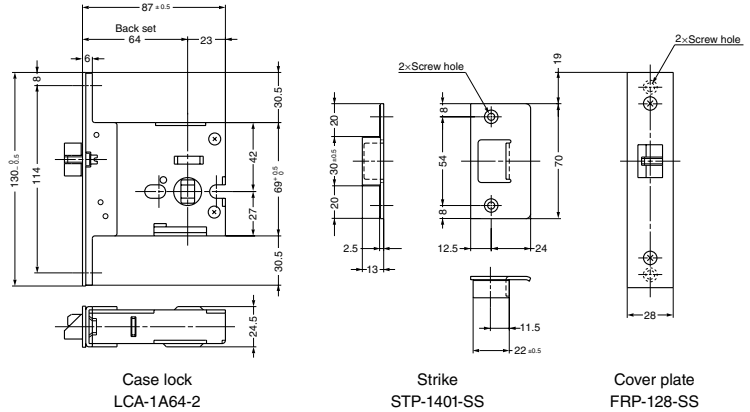
- Superior finish of Mirror/Satin.
- For door of thickness 36-42 mm.
- 2 handles included per unit.

Dimensions

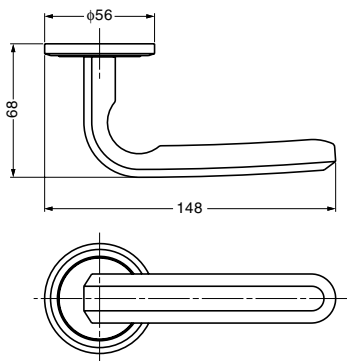
STAINLESS STEEL LEVER HANDLE ZL-1101



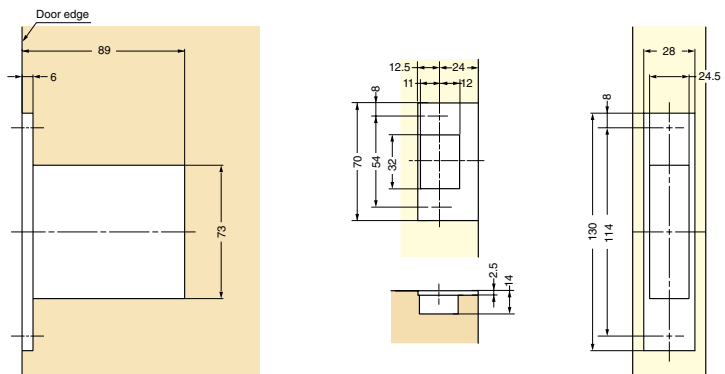
STAINLESS STEEL CASE LOCK / STRIKE / FRONT PANEL



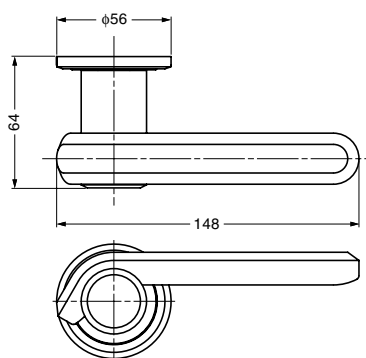
STAINLESS STEEL LEVER HANDLE ZL-1102



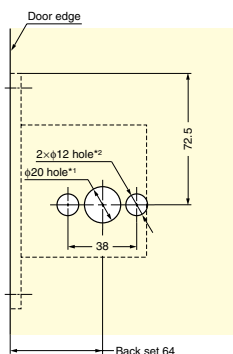
Cut Out Dimensions



STAINLESS STEEL LEVER HANDLE ZL-1103



Cut Out Dimensions for Mounting Hole



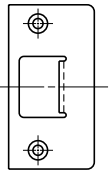
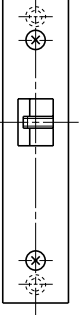
For lever handle, mounting hole size is as follows;
*1 : $\phi 25$ hole
*2 : $\phi 6$ hole $\times 2$



Parts Set		Necessary Parts	
Please refer to "Qty [a] - [c]" for parts included in each set.			
	Item Code	Item Name	Part Name
[a]	260-174-117	ZL-1101-R-1B	Lever Handle 
[b]	260-174-124	ZL-1102-R-1B	Lever Handle 
[c]	260-174-131	ZL-1103-R-1B	Lever Handle 

Parts Included

No.	Qty			Part Name
	a	b	c	
1	1 pair	-	-	 <p>LEVER HANDLE (Hex key included.)</p>
2	-	1 pair	-	 <p>LEVER HANDLE (Hex key included.)</p>
3	-	-	1 pair	 <p>LEVER HANDLE (Hex key included.)</p>
4	1 pc	1 pc	1 pc	 <p>CASE LOCK LCA-1A64-2</p>

No.	Qty			Part Name
	a	b	c	
5	1 pc	1 pc	1 pc	 <p>STRIKE STP-1401-SS</p>
6	1 pc	1 pc	1 pc	 <p>COVER PLATE FRP-128-SS</p>

Application Example



LEVER HANDLE / HINGE FOR GLASS DOOR



ZL-1601, ZL-1702

Zwei L

Zwei L represents the very pinnacle of ultra-premium Japanese hardware design. Contrasting bands of mirror finish and lustrous satin on a faceted profile give jewel like highlights which flatter any architectural space.

Zwei L®



Video Link



ARCHITECTURAL
DOOR HARDWARE

FOR GLASS DOORS

LEVER HANDLE / HINGE FOR GLASS DOOR



Hinge ZL-1702 (P.463)

Suitable Glass : Tempered Glass
 Door Thickness : 8,10 mm
 Max Door Width : 900 mm
 Max Door Weight : 50 kg
 Material : SUS316
 Finish : Zwei L Finish

Features
 Superior finish of Mirror/Satin.



P.715



P.715



ZL-1103+ZL-1601-1

P.715

Lever Handle

Item Code	Item Name	Weight	Box
260-177-001	ZL-1101	1.2 kg	1 pair

Lever Handle

Item Code	Item Name	Weight	Box
260-177-002	ZL-1102	1.1 kg	1 pair

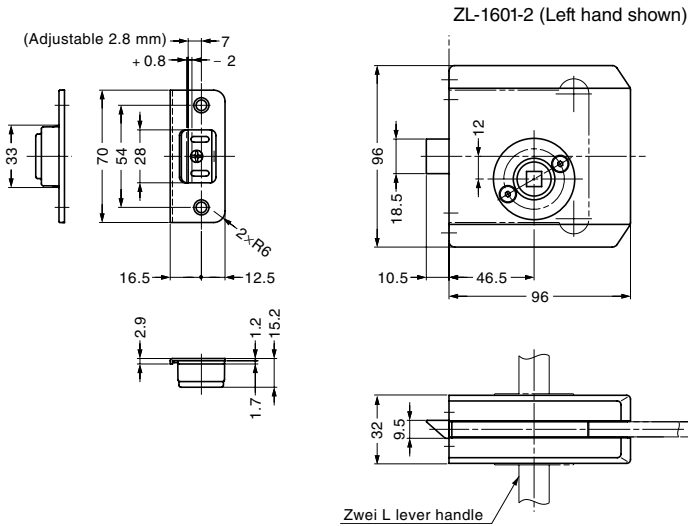
Lever Handle+Case Latch ZL-1601

Item Code	Item Name	Weight	Box
260-025-580	ZL-1103+ZL-1601-1	2.8 kg	1 set
260-025-581	ZL-1103+ZL-1601-2		

2 handles and 1 case latch included per set.



Case Latch

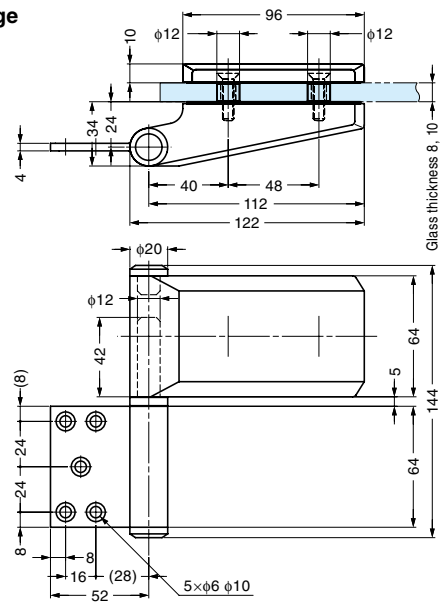


Parts Included

- Countersunk head screw 3.5x22 (SUS)
- Screw M4x12 (SUS)
- Allen key

Item Code	Item Name	Type
260-177-000	ZL-1601-1	Right hand
260-170-783	ZL-1601-2	Left hand

Hinge

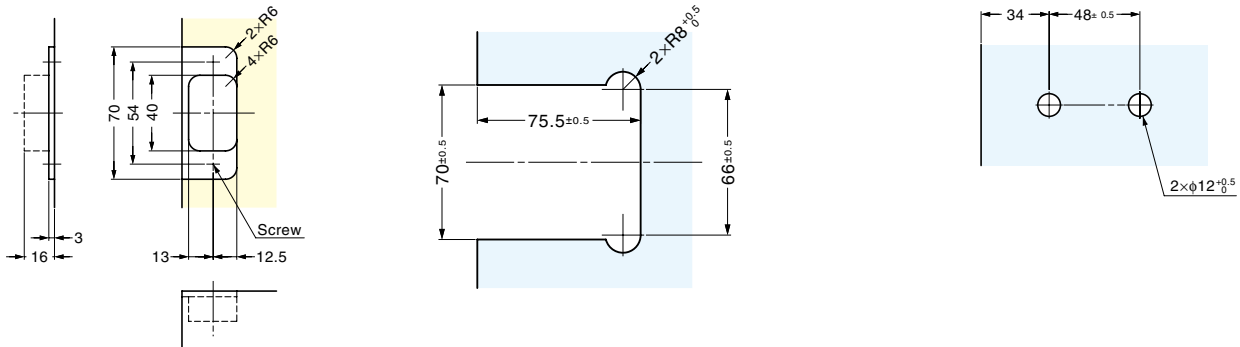


Parts Included

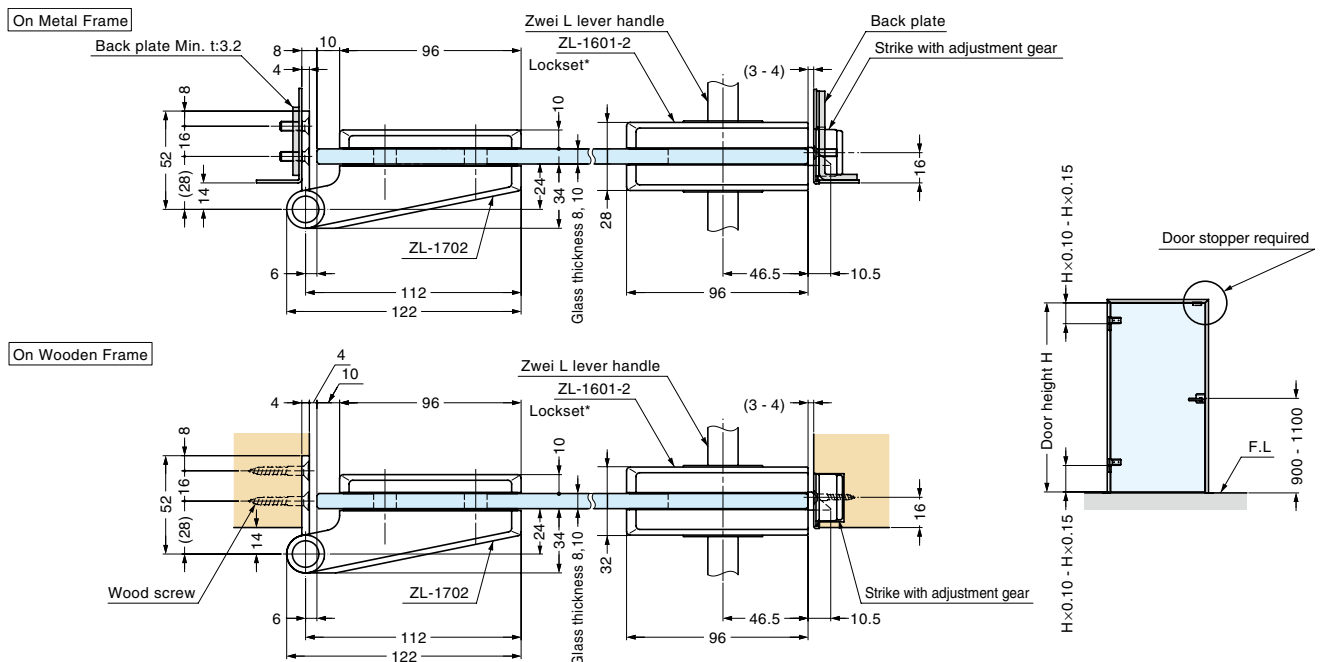
- Countersunk head screw 4.8x32 (SUS)
- Screw M5x16 (SUS)
- Allen key

Item Code	Item Name
170-183-400	ZL-1702

Cut Out Dimensions



Installation Right hand opening is shown.



* Use ZL1601-1 for right hand opening.

DOOR DAMPER



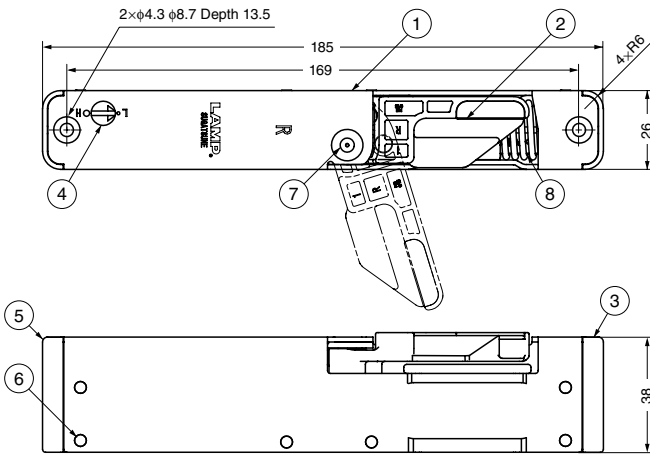
LDD-V



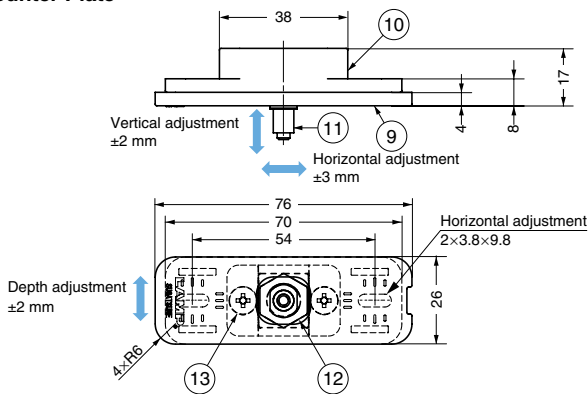
Right-handed



Body



Counter Plate

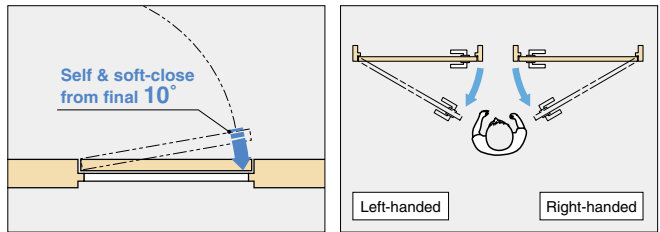


Features

- Concealed type that is hidden from view when door is closed.
- Self and soft-closes within a 10° radius of closing. Closes gently, preventing slamming.
- Doors feel lighter to open compared to standard door closers.
- Closing speed adjustable post-installation.
- Counter plate has 3-way adjustment post-installation.
- 2011 Good Design Award Winner
- Recommended Door Specifications:
Thickness : Min. 33 mm
Width : Max. 900 mm
Weight : 15 - 40 kg
- For doors 40-100kg, please use LDD-V100. Surface mount without mortise type LDD-S also available.
- Successfully passed 100,000 open/close cycles in a private test.
- Recommended hinge: HES3D series (P.470-473)
- Adjustment Jig LDD-V-JIG & Template LDD-V-TMP available (P.719).

Parts Included

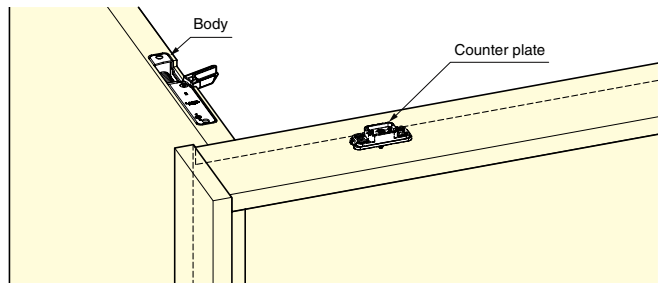
- Binding head tapping screw 4x45
- Binding head tapping screw 3.5x15



Right-handed type shown.

Installation

*Below drawing shows right-handed.



Video Link



No.	Part Name	Material	Finish/Colour
①	Body Case	Steel (SPCC)	Clear Zinc Chromate
②	Arm	Polyacetal (POM)	Grey
③	Spring Base	Polyacetal (POM)	Grey
④	Damper Force Adjustment Shaft	Polyacetal (POM)	Grey
⑤	Damper Base	Polyacetal (POM)	Grey
⑥	Countersunk Hollow Pin	Steel (SWCH)	Clear Zinc Chromate
⑦	Shoulder Shaft	Steel (SUM)	Nickel
⑧	Spring	Steel (SWP)	Clear Zinc Chromate
⑨	Counter Plate Cover	Polyacetal (POM)	Grey
⑩	Counter Plate Case	Polyacetal (POM)	Grey
⑪	Counter Plate Shaft	Steel (SUM)	Nickel
⑫	Vertical Adjustment Screw	Steel (SWRCH)	Clear Zinc Chromate
⑬	Depth Adjustment Screw	Steel (SWCH)	Clear Zinc Chromate

Item Code	Item Name	Type	Door Width	Door Thickness	Door Weight	Weight	Carton
270-017-563	LDD-V-R	Right-handed	Max. 900	Min. 33	15 - 40 kg	427 g	24 pcs
270-017-564	LDD-V-L	Left-handed	Max. 900	Min. 33	15 - 40 kg	427 g	24 pcs

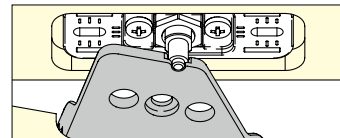
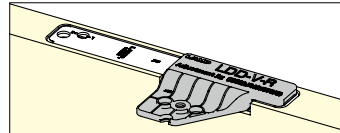
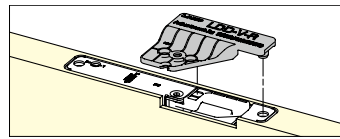
ADJUSTMENT JIG FOR COUNTER PLATE OF LDD-V

LDD-V-JIG



Features

Easy to adjust position of counter plate.



Video Link

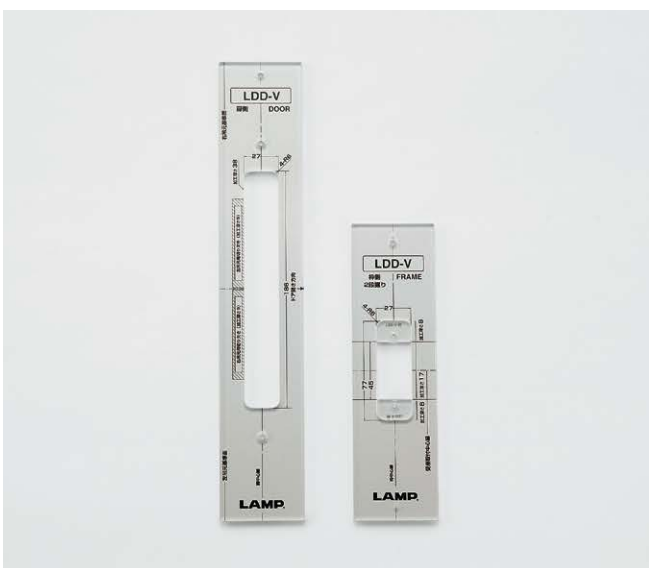


LDD-V (Sold separately)

Item Code	Item Name	Material	Weight	Carton
270-025-276	LDD-V-R-JIG	ABS	11 g	1000 pcs
270-025-275	LDD-V-L-JIG	ABS	11 g	1000 pcs

TEMPLATE FOR LDD-V

LDD-V-TMP



Features

- Easy to make mortise on wood door and frame.
- Possible to use repeatedly.
- Two templates included: for door & frame.

Remarks

- Recommended working tool is a straight bit with guide bearings of which guide diameter and bit diameter are the same.

Item Code	Item Name	Material	Colour
270-024-568	LDD-V-TMP	Methacrylic Resin (PMMA)	Clear

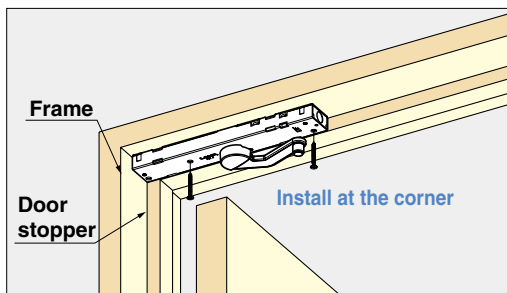
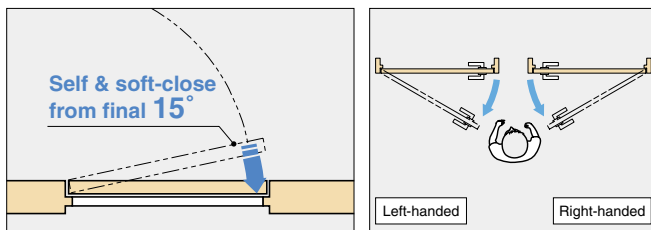
DOOR DAMPER



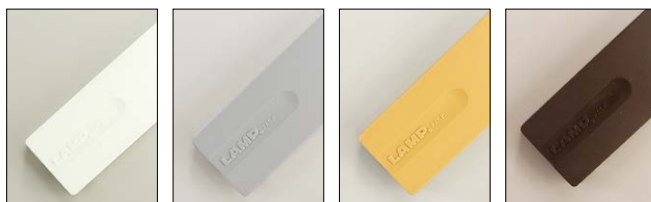
LDD-S



Right-handed shown.



Available Colours



White

Light Grey

Light Brown

Dark Brown

Item Code	Item Name	Colour	Type	Door Width	Door Weight	Weight	Carton
270-018-984	LDD-S-R WT	White	Right-handed	Max. 900	15 - 40 kg	550 g	20 pcs
270-018-985	LDD-S-L WT	White	Left-handed			550 g	20 pcs
270-018-986	LDD-S-R LGR	Light Grey	Right-handed			550 g	20 pcs
270-018-987	LDD-S-L LGR	Light Grey	Left-handed			550 g	20 pcs
270-018-988	LDD-S-R LBR	Light Brown	Right-handed			550 g	20 pcs
270-018-989	LDD-S-L LBR	Light Brown	Left-handed			550 g	20 pcs
270-018-990	LDD-S-R DBR	Dark Brown	Right-handed			550 g	20 pcs
270-018-991	LDD-S-L DBR	Dark Brown	Left-handed			550 g	20 pcs

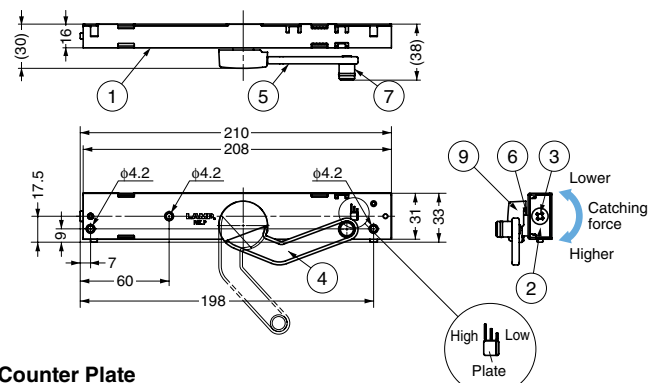
Features

- Surface mount that can be retrofitted onto current door installations.
- Easy to align to proper positioning, speeding up installation.
- Slim profile (body height only 16 mm) can handle doors up to 40 kg in weight.
- Self and soft-closes within a 15° radius of closing. Closes gently, preventing slamming.
- Doors feel lighter to open compared to standard door closers.
- Successfully passed 100,000 open/close cycles in private test.
- Counter plate position can be adjusted after installation.
- Damper force can be adjusted post-installation.
- Recommended Door Specifications:
Width : Max. 900 mm
Weight : 15 - 40 kg
- Successfully passed 100,000 open/close cycles in private test.
- Available in 4 colours to match your door: White (WT), Light Grey (LGR), Light Brown (LBR) or Dark Brown (DBR).
- Recommended hinge: HES series (P.470-473)

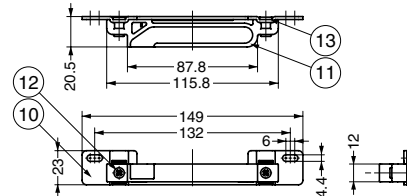
Parts Included

- Countersunk head tapping screw 3.5x30
- Binding head tapping screw 4x16

Body



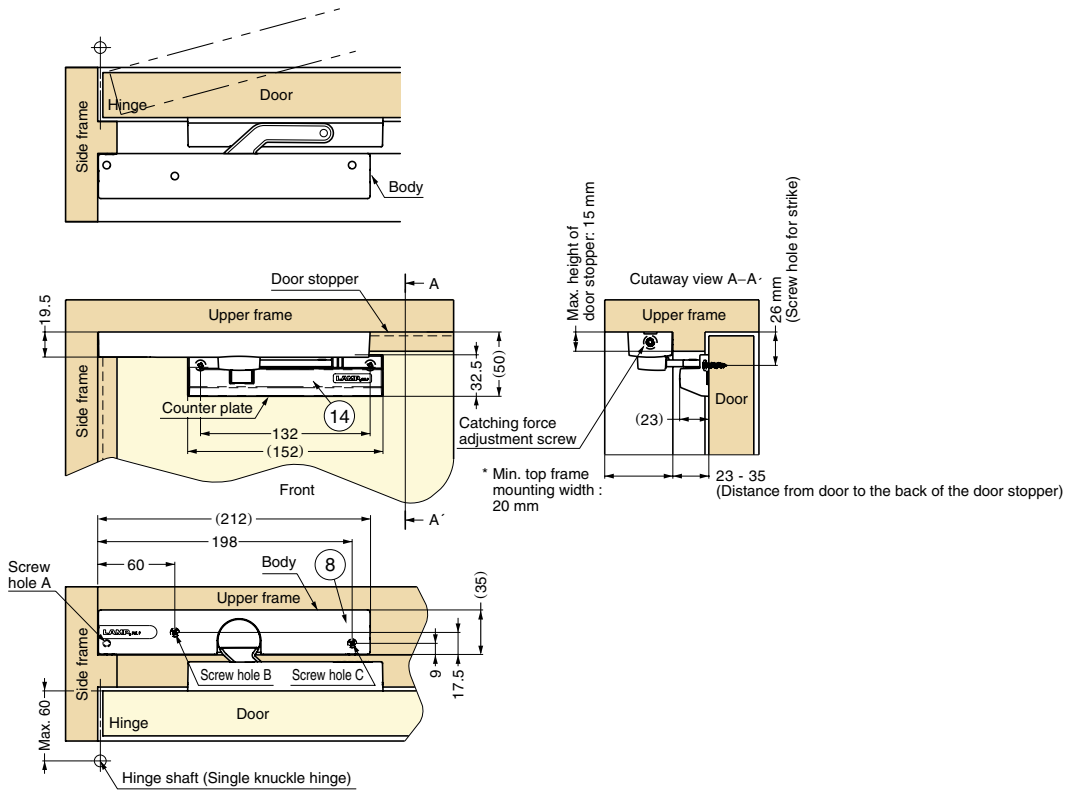
Counter Plate



Right-handed shown.

No.	Part Name	Material	Finish/Colour
①	Case	Steel (SGCC)	Chromate
②	Block	Polyacetal (POM)	Natural
③	Catching Force Adjustment Screw	Steel	Chromate
④	Arm	Stainless Steel (SUS304)	Plain
⑤	Arm Spacer	Polyacetal (POM)	(As Left)
⑥	Arm Axis	Zinc Alloy (ZDC)	Chromate
⑦	Roller	Polyacetal (POM)	Grey
⑧	Body Cover	ABS	(As Left)
⑨	Arm Cover	ABS	(As Left)
⑩	Counter Plate	Steel (SPCC)	Chromate
⑪	Guide	Zinc Alloy (ZDC)	Chromate
⑫	Screw	Steel (SWCH)	Nickel
⑬	Nut	Steel (SPCC)	Nickel
⑭	Counter Plate Cover	ABS	(As Left)

Installation



*When the distance from door to the back of the door stopper is 20 mm - 25 mm, please use the screw hole A and C.

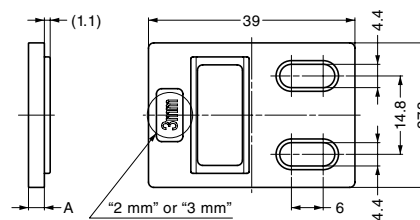
SPACER FOR LDD-S

LDD-S-P



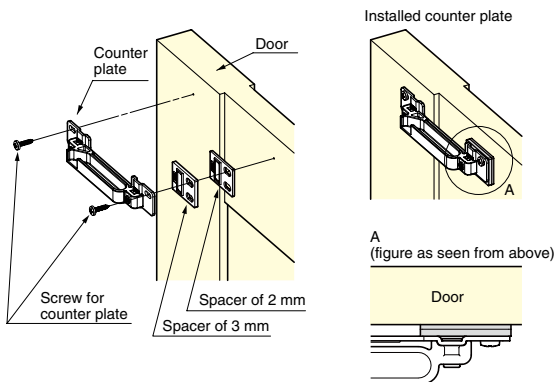
Features

- Two types available: 2 mm thickness and 3 mm thickness.
- Can be used for Max. 6 mm thickness gap.



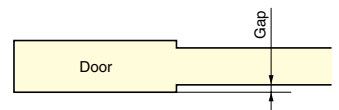
Installation

(In case of 5 mm thickness gap)



Remarks Before Installation

Check the gap of the door surface and choose the suitable spacer (combination of spacers).



Part Name	Material	Colour
Body	ABS	Black

Item Code	Item Name	A	Weight	Box	Carton
270-021-019	LDD-S-P2 BL	2	2 g	100 pcs	1000 pcs
270-021-020	LDD-S-P3 BL	3	3 g	100 pcs	1000 pcs

DOOR CLOSER



LDC-N2

LDC - N21SSL (Flat Bracket)



Video Link

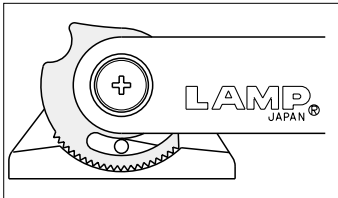


LDC - N22SUM (A Bracket)

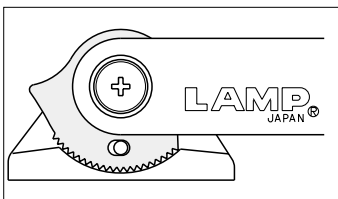


ARCHITECTURAL DOOR HARDWARE

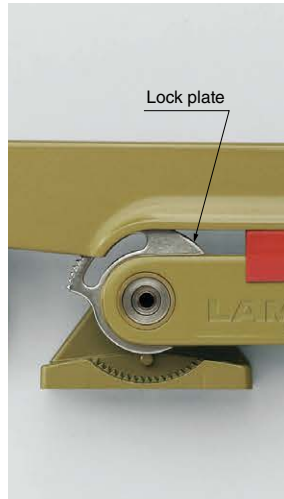
DOOR CLOSER



With Stopper



Without Stopper



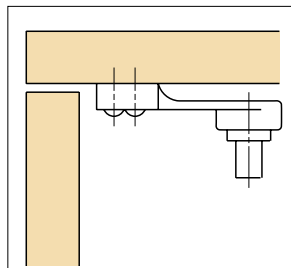
Initial setting (with stopper)

Features

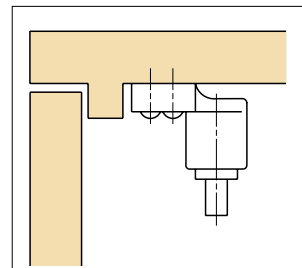
- Lapcon damper mechanism provides a smooth closing.
- Closing speed adjustable.
- Non-handed.

Parts Included

Countersunk head tapping screw 5x30



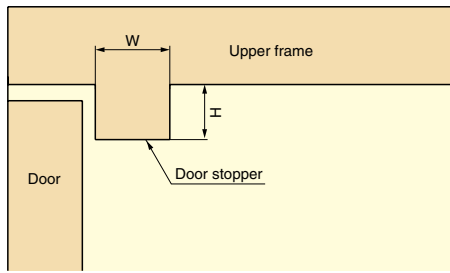
Flat Bracket



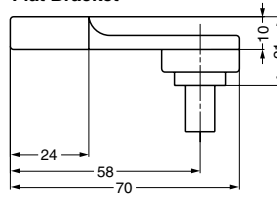
A Bracket

Item Code	Item Name	Type	Material	Finish	Door Size	Door Weight	Speed Adjustment Section	Weight	Box		
270-176-050	LDC - N21SSL	Flat Bracket	Aluminium Alloy	Silver	Max. 900x2100	Max. 15 - 45 kg	Self Closing: 0° - 150° Stoppable range: 70° - 180° Self Opening: 150° - 180°	1.55 kg	1 pc		
270-176-051	LDC - N21SYG			Gold							
270-176-052	LDC - N21SUM			Umber							
270-176-056	LDC - N22SSL			Silver							
270-176-057	LDC - N22SYG	Gold									
270-176-058	LDC - N22SUM	Umber									
270-176-053	LDC - N21SL	A Bracket	Aluminium Alloy	Silver			Max. 900x2100	Max. 15 - 45 kg	Self Closing: 0° - 170°	1.55 kg	1 pc
270-176-054	LDC - N21YG			Gold							
270-176-055	LDC - N21UM			Umber							
270-176-059	LDC - N22SL			Silver							
270-176-060	LDC - N22YG			Gold							
270-176-061	LDC - N22UM	Umber									

How to Select Bracket

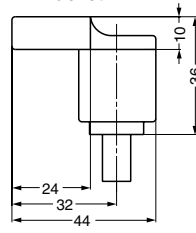


Flat Bracket



- $W \geq 30$ mm or no door stopper
- $H \geq 15$ mm (with spacer)

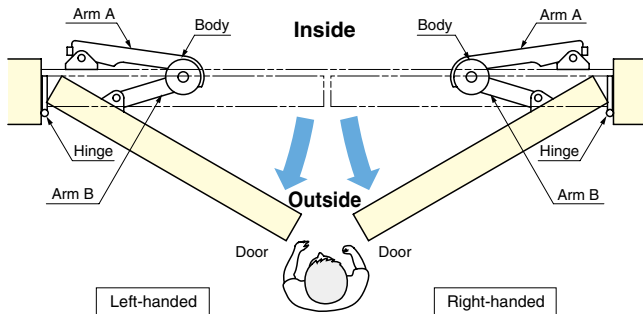
A Bracket



- $W \leq 20$ mm and $H \leq 15$ mm

- The width of door stopper is Min. 30 mm / Door frame without door stopper: Flat Bracket
- The door stopper is Max. 30 mm wide and Max. 15 mm height: A Bracket
- When the height of door stopper is Min. 15 mm, please use Flat bracket and arrange spacer at your end.
(Spacer not included.)

Two-door Application

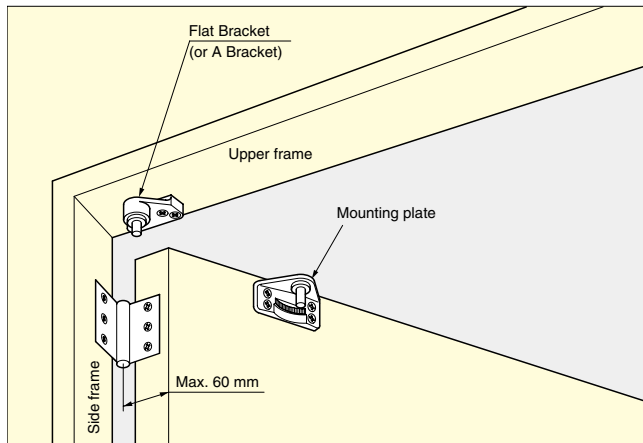


- For two-door application, please install as left.

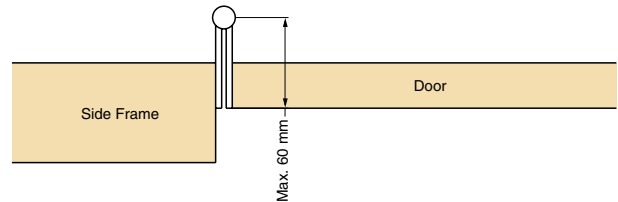
Remarks

The opening angles between Arm A and Arm B are Max. 120°. If the arm is opened over 120°, it may break.

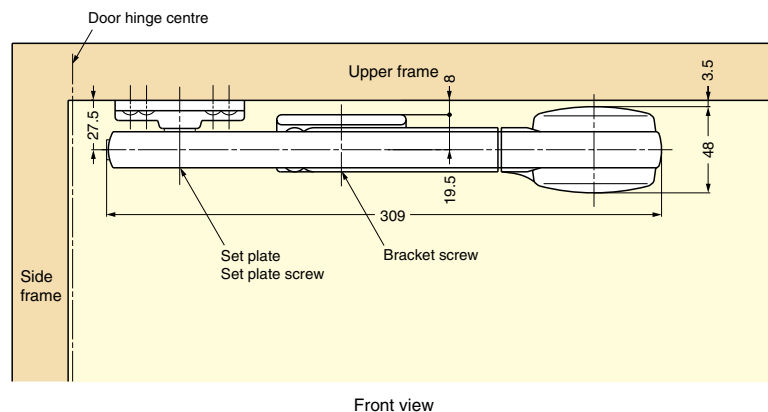
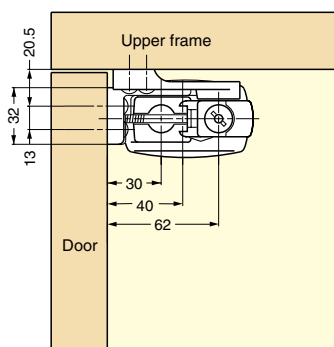
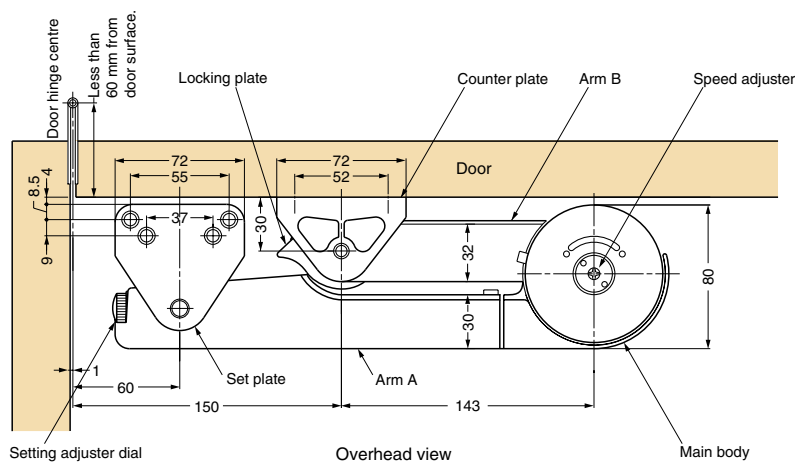
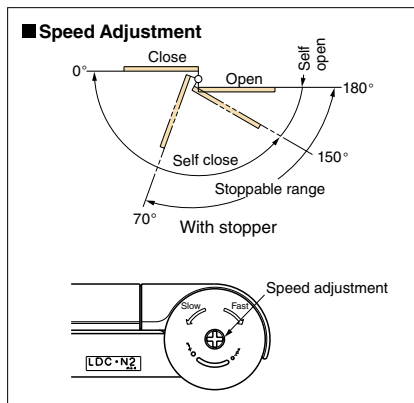
Hinges



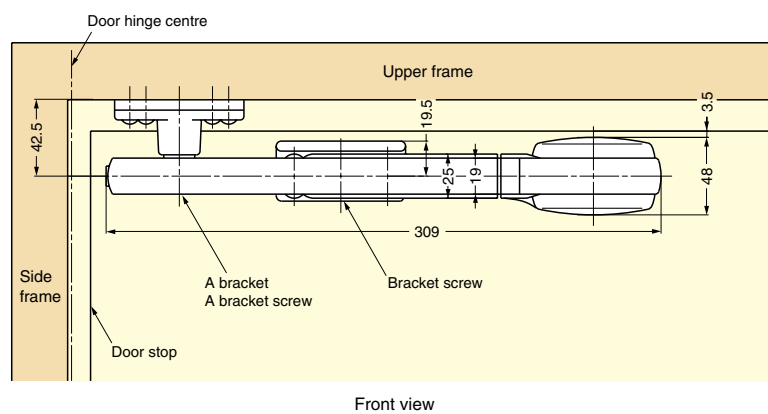
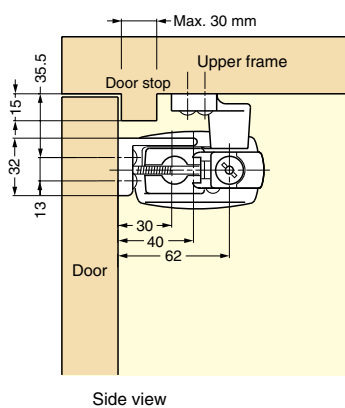
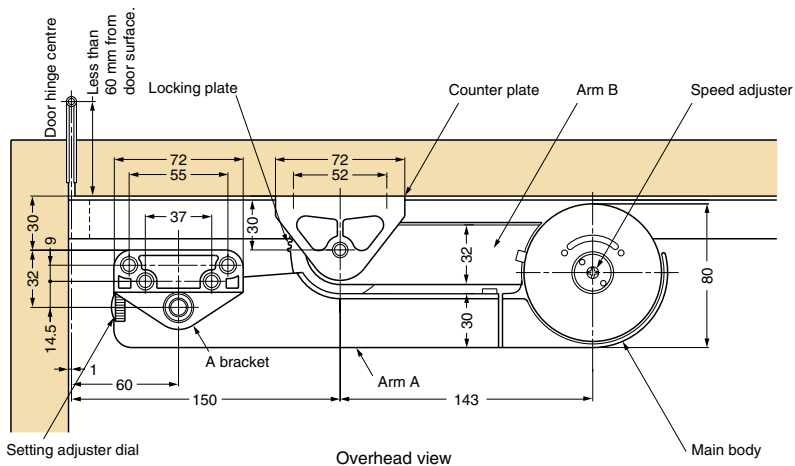
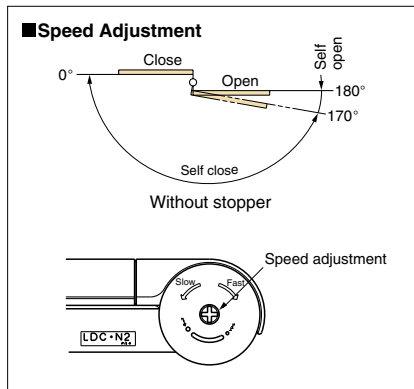
- The length from hinge shaft to the door surface is to be less than 60 mm.



Installation Example for Flat Bracket



Installation Example for A Bracket



ARCHITECTURAL
DOOR HARDWARE

DOOR CLOSER



HES is our complete line of concealed hinges that incorporates a distinct functionality with high load capacity, safety, and adjustability, but most of all...design.

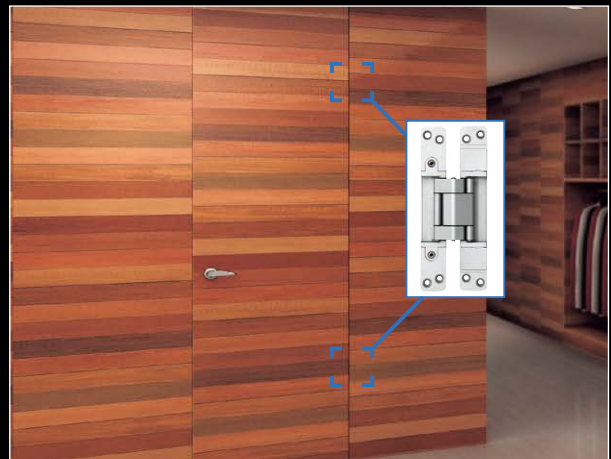
The HES logo expresses our spirit through quality craftsmanship.



*Concealed for
Elegance*



*Designed for
Versatility*



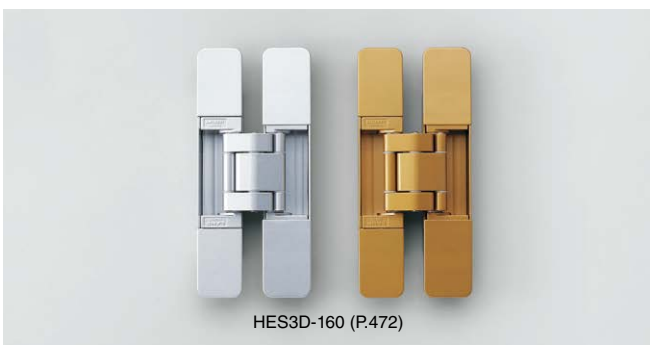
ARCHITECTURAL
DOOR HARDWARE



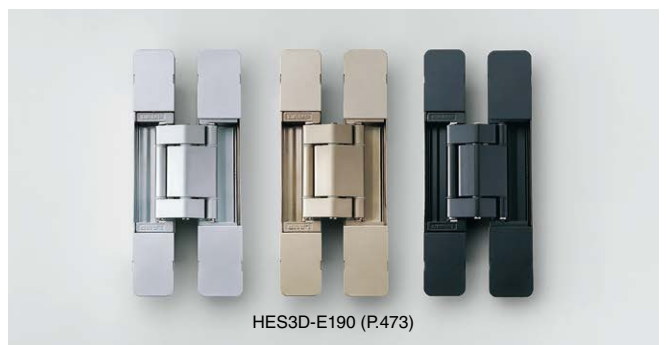
HES3D-90 (P.470)



HES3D-120 (P.471)



HES3D-160 (P.472)



HES3D-E190 (P.473)

HES CONCEALED HINGE SERIES DIGEST



Zwei L STAINLESS STEEL DOOR STOPPER



ZL-1801

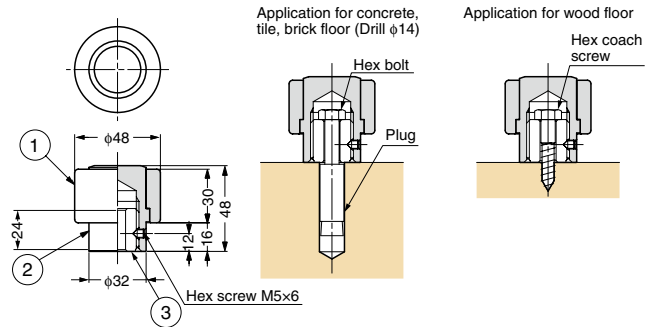


Features

- Floor mount type.
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

Parts Included

- Hex bolt M8x75 (SUS)
- Plug (M8 Drillφ14)
- Hex coach screw M8x50 (SUS)
- Hex Key



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS316)	Zwei L finish
②	Bumper	Rubber	Black
③	Axis	Stainless Steel (SUS316)	Plain

Item Code	Item Name	Weight	Box
270-170-780	ZL-1801	361 g	1 pc

Zwei L STAINLESS STEEL DOOR STOPPER



ZL-1802

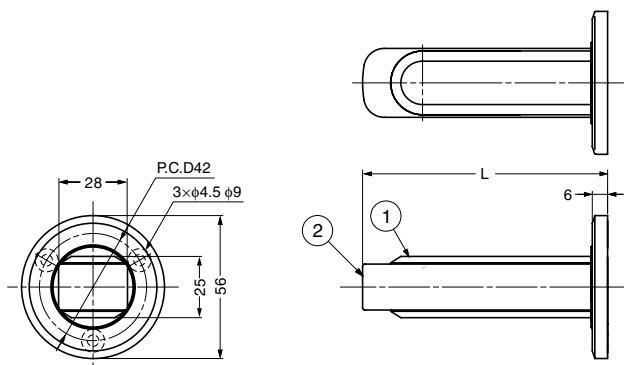


Features

- Wall mount type.
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

Parts Included

- Countersunk head wood screw 4.1x32 (SUS)
- Plug (wood screw 4.1, Drill φ6)



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS316)	Zwei L finish
②	Bumper	Rubber	Black

Item Code	Item Name	L	Weight	Box
270-170-781	ZL-1802-72	72	390 g	1 pc
270-170-782	ZL-1802-96	96	480 g	1 pc

Zwei L STAINLESS STEEL DOOR STOPPER



ZL-1803

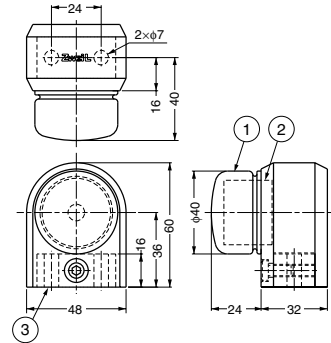
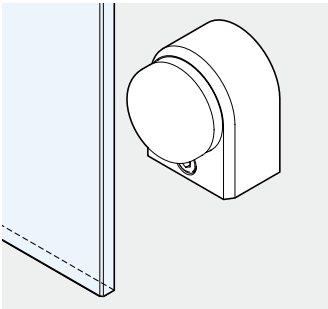


Features

- Floor mount type.
- Highly elastic polyurethane bumper has excellent shock absorbing and damping properties, making it ideal for use with glass.
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

Parts Included

- Rounded head wood screw 6.2x56 (SUS)
- Plug (MG-8x40P)
- Hex Key



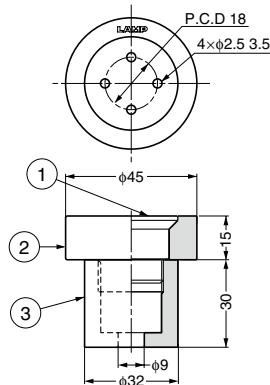
No.	Part Name	Material	Finish/Colour
①	Stopper	Ethylene Propylene Rubber (EPDM)	Grey
②	Cushion	Foamed Polyurethane (PUR)	-
③	Body	Stainless Steel (SUS316)	Zwei L finish

Item Code	Item Name	Weight	Box
270-183-404	ZL-1803	640 g	1 pc

STAINLESS STEEL DOOR STOPPER



HT-32



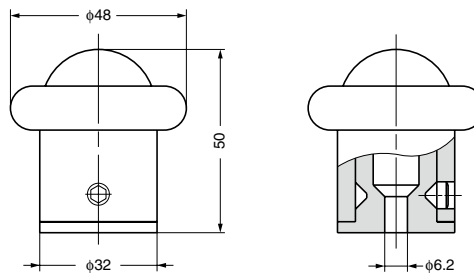
Parts Included

- Hex coach screw 8x50 (SUS)
- Anchor bolt M8x70 (SUS)

No.	Part Name	Material	Finish/Colour
①	Pin	Stainless Steel (SUS304)	Satin
②	Bumper	Acrylic Resin	Clear
③	Base	Stainless Steel (SUS304)	Satin

Item Code	Item Name	Weight	Box	Carton
270-170-247	HT-32P	330 g	1 pc	30 pcs

DOOR STOPPER



BPV-50V

Features

Beautiful finish with 24K gold/chrome coating.

Parts Included

Countersunk head wood screw 5.1x32

Item Code	Item Name	Material		Finish/Colour		Weight	Carton
		Body	Bumper	Body	Bumper		
270-173-590	*BPV-50V-GP	Brass	Rubber	Gold	Black	310 g	20 pc

*Limited stock available. Please contact your vendor.

DOOR STOPPER

HT-G70



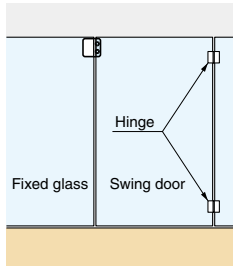
Features

- For use on single swing glass doors.
- No need for glass processing. Simply press the packing (PVC material) onto the glass to fix it in place.
- Can be used in areas with frequent contact to water including shower booths.

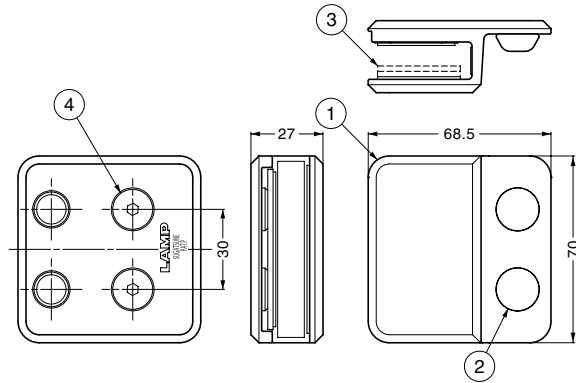
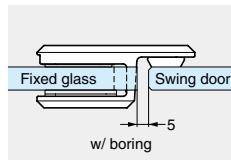
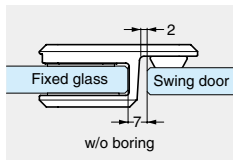
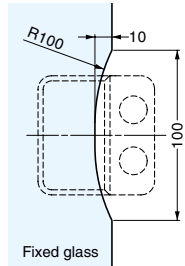
Remarks

- Do not use in upper glass transom.
- Soft-closing hinges/self-closing (function within final 25 degrees) hinges are recommended to use with to prevent from excessive impact.

Installation



Cut Out Dimensions



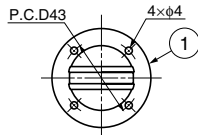
No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SCS13)	Mirror
②	Pad	Silicone (Si)	Natural
③	Gasket	Vinyl Chloride Resin (PVC)	Clear
④	Screw	Stainless Steel (SUS303)	Plain

Item Code	Item Name	Glass Thickness	Weight	Carton
270-021-701	HT-G70	8, 10, 12	374 g	40 pcs

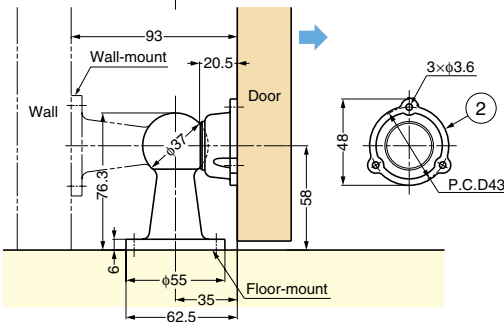
DOOR STOPPER



MI, MBR



No.	Part Name	Material	Colour
①	Body	Polycarbonate (PC)	Ivory, Brown
②	Strike	ABS	Ivory, Brown



Features

- Holds door open with a powerful magnet.
- Floor mounted or wall mounted.
- No need to crouch down and latch the door stopper to hold door open.
- Body is ball shaped, allowing for a firm hold even if alignment is slightly off.

Parts Included

- Rounded head wood screw 3.5×22 (Body)
- Rounded head wood screw 3.1×16 (Mounting plate)

Sold Separately

Anchor bolt MA (below)

Anchor bolt MA (Sold Separately)

Item Code	Item Name	Weight	Box	Carton
270-050-100	MA	114 g	25 pcs	100 pcs

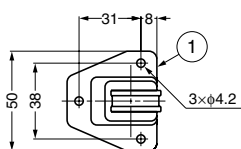
Item Code	Item Name	Colour	Magnetic Force	Weight	Box	Carton
270-172-008	MI	Ivory	137 N	14 kgf	165 g	100 pcs
270-172-007	MBR	Brown	137 N	14 kgf	165 g	100 pcs



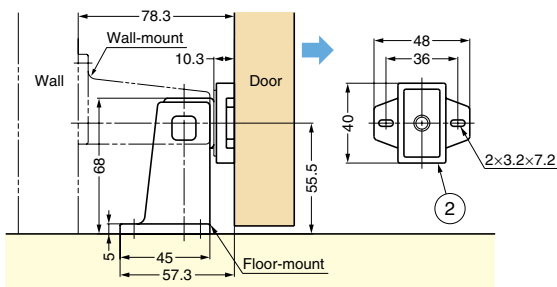
DOOR STOPPER



KI, KBR



No.	Part Name	Material	Colour
①	Body	Polyamide (PA)	Ivory, Brown
②	Strike	Polyamide (PA)	Ivory, Brown



Features

- Holds door open with a powerful magnet.
- Floor mounted or wall mounted.
- No need to crouch down and latch the door stopper to hold door open.
- Easy installation: large body allows for firm holding even without perfect alignment.

Parts Included

- Countersunk head wood screw 3.8x20 (Body)
- Countersunk head wood screw 3.1x13 (Mounting plate)

Sold Separately

Anchor bolt KA (below)

Anchor bolt KA (Sold Separately)

Item Code	Item Name	Weight	Box	Carton
270-050-101	KA	114 g	25 pcs	100 pcs

Item Code	Item Name	Colour	Magnetic Force	Weight	Box	Carton
270-172-006	KI	Ivory	118 N	12 kgf	100 g	10 pcs
270-172-005	KBR	Brown	118 N	12 kgf	100 g	10 pcs

STEP-ON DOOR HOLDER



DJ-175

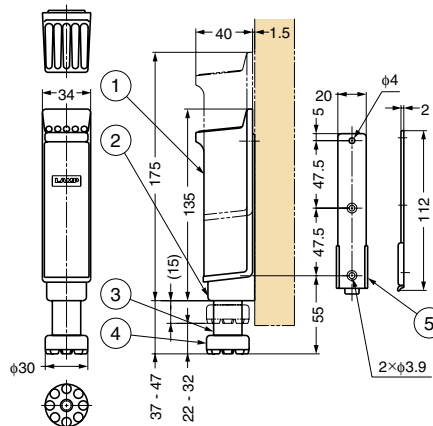


Features

- Holds door at any position.
- Easy to operate: Simply step on the top to set or release the door holding mechanism.
- Cover prevents ingress of dust into adjustable shaft.
- Uses a spring to hold door firmly.
- Individual components are installed separately making installation easy.
- Installation screw is not visible post-installation.

Parts Included

- Binding head tapping screw 3.5x16 (1 pc)
- Countersunk head tapping screw 3.5x16 (2 pcs)



No.	Part Name	Material	Finish/Colour
①	Step	Polyamide (PA)	Brown
②	Body	Polycetal (POM)	Ivory
③	Shaft	Polycetal (POM)	Ivory
④	Glide	Rubber	Brown
⑤	Mounting Plate	Steel	Yellow Zinc Chromate

Item Code	Item Name	Weight	Box	Carton
270-050-098	DJ-175	215 g	10 pcs	50 pcs

STAINLESS STEEL DOOR GUARD

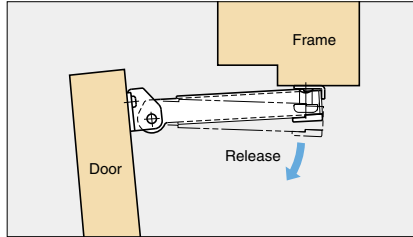
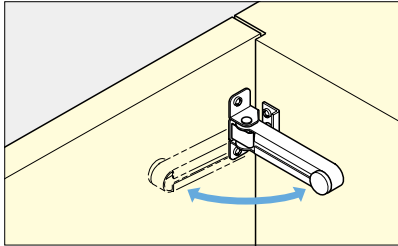


KN-120



Features

- Made from stainless steel for excellent corrosion resistance and high durability.
- Single touch to operate.
- Can hold the door open 6 cm. This allows some air to filter in.
- The component that comes into contact with the door has an elastomer cover, preventing scratches and damage to the door.
- Easy to switch with current installations of other types of door guards.



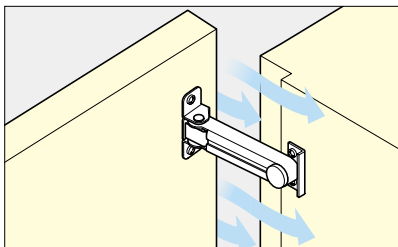
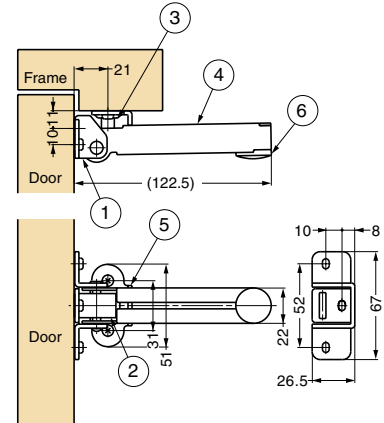
- Release the door guard as above to close the door completely.

Remarks

Screws are not included.

Recommended Screw

Pan-head tapping screw 4x25



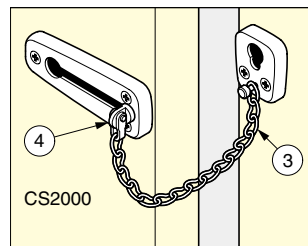
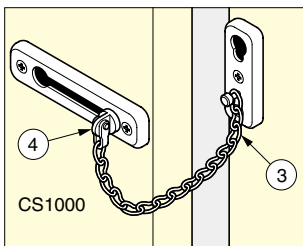
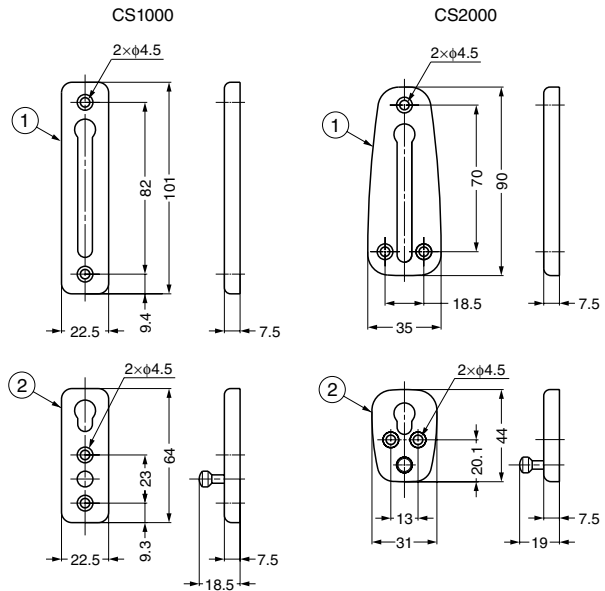
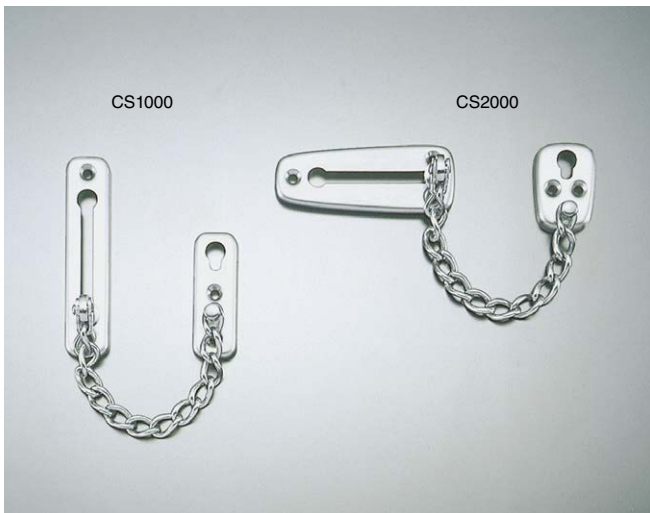
Item Code	Item Name	Retaining Force	Weight	Box	Carton
270-172-551	KN-120	2940 N	174 g	10 pcs	80 pcs

No.	Part Name	Material	Finish/Colour
①	Bracket	Stainless Steel (SUS304)	Polished
②	Plate	Stainless Steel (SUS304)	-
③	Shaft	Stainless Steel (SUS304)	-
④	Body	Stainless Steel (SUS304)	Satin
⑤	Strike	Stainless Steel (SUS304)	Polished
⑥	Cover	Elastomer (TPE)	Black

STAINLESS STEEL DOOR CHAIN



CS



Parts Included

Countersunk rounded wood screw 4x25 (SUS)

Item Code	Item Name	Weight	Box	Carton
270-051-060	CS1000	115 g	15 pcs	150 pcs
270-051-061	CS2000	120 g	15 pcs	150 pcs

No.	Part Name	Material	Finish
①	Body (1)	Stainless Steel (SUS304)	Satin
②	Body (2)	Stainless Steel (SUS304)	Satin
③	Chain (150 mm length)	Stainless Steel (SUS304)	Polished
④	Knob	Brass	Nickel

ARCHITECTURAL DOOR HARDWARE

STAINLESS STEEL DOOR GUARD / CHAIN