MULTI FUNCTIONAL MANUAL SLIDING DOOR SYSTEM

MUTO Comfort

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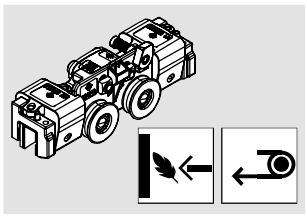
MUTO Comfort



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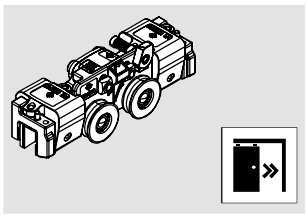

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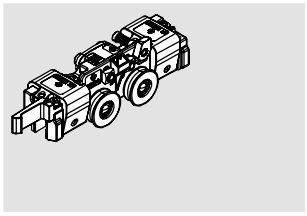

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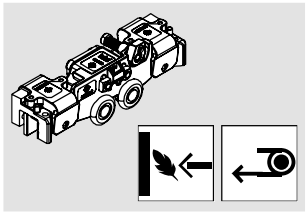

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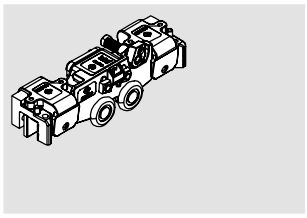

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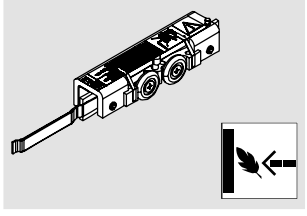

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MAJORING IN CONVENIENCE

MUTO Comfort
This product range for glass doors comes with high convenience options for the user and a variety of assembly designs. With the appropriate adapter also timber doors can be used.

User friendly options
- Unpowered Self-Closing action

The following three options are even available as retrofit-sets:
- Independent concealed locking with electromechanical lock (battery powered)
- Status indicator connecting with your facility management
- DORMOTION damping mechanism without glass preparation

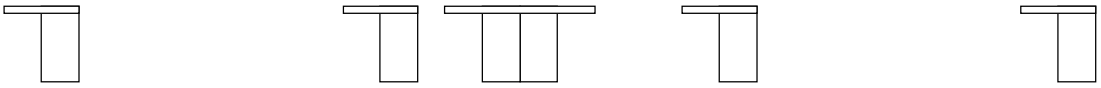
Product variant	MUTO Comfort XL DORMOTION 80 / 150	MUTO Comfort XL Self-Closing	MUTO Comfort XL Telescopic
Track dimensions	W = 72 mm H = 69 mm	W = 100 mm H = 69 mm	W = 125 mm H = 69 mm
Track dimensions + optional side panel	W = 91 mm H = 69 mm	W = 119 mm H = 69 mm	W = 144 mm H = 69 mm
Basic description			
Max. gap to wall (glass door)	20 mm	20 mm	17 mm
Max. gap to wall (timber door, thickness ≤ 30mm)	7 mm	7 mm	7 mm
Max. gap to wall (timber door, thickness > 30 mm)	7 mm	7 mm	7 mm
Glass thickness	8 – 13.5 mm	8 – 13.5 mm	8 – 13.5 mm
Material thickness (timber)	≤ 50 mm	≤ 50 mm	≤ 50 mm
Installations	Wall, glass, ceiling	Wall, glass, ceiling	Wall, glass, ceiling
Door height	≤ 3,000 mm	≤ 3,000 mm	≤ 3,000 mm
Door width	≤ 2,500 mm	≤ 1,500 mm	≤ 1,200 mm
Door height adjustment	+ / - 5 mm	+ / - 5 mm	+ 5 mm / - 3 mm
Corrosion EN 1670	Class 4	Class 4	Class 4
Door cycles	≥ 200,000	≥ 200,000	≥ 200,000
DIN EN 1527	●	●	●
Max. door weight/single door	150 kg	120 kg	2 x 80 kg
Max. door weight/double door	2 x 150 kg	2 x 120 kg	4 x 80 kg
Easy installation	●	●	●
Prepared for timber	○	○	○
Prepared for LSG	●	●	●
Functionalities			
DORMOTION	● No glass preparation	● No glass preparation	○ No glass preparation
Synchro for 2 door leaves	○[1)]	–	–
Status indicator	○	○	○
Concealed EM locking	○	○	○
Installation flush junction	○	○	○
Self-Closing	–	●	–
Summary	For 80 / 150 kg doors, most extras	Self-Closing version for 120 kg doors, most extras	Telescopic version for 80 kg panels, most extras

● yes – no ○ optional 1 door panel 2 door panels with Synchro 1 or 2 door panels with Telescopic

1) Synchro with DORMOTION is only possible with DORMOTION XL 80 & DORMOTION L 80 systems

Variants

- Telescopic – wide openings with small panels
- Synchro – moving both panels of a double door synchronously either toward each other (closing) or from each other (opening) when just one panel is moved by hand.
- Wall, glass and ceiling installations possible
- For different panel weights (max. 150 kg)
- Laminated safety glass possible, without glass preparation



MUTO Comfort XL 150	**MUTO Comfort L DORMOTION 80**	**MUTO Comfort L 80**	**MUTO Comfort M DORMOTION 50**
W = 62 mm H = 69 mm	W = 71 mm H = 58 mm	W = 61 mm H = 58 mm	W = 57 mm H = 58 mm
W = 81 mm H = 69 mm	W = 90 mm H = 58 mm	W = 80 mm H = 58 mm	–
20 mm	17 mm	17 mm	21.5 – 23.5 mm
7 mm	7 mm	7 mm	7 mm
7 mm	7 mm	7 mm	7 mm
8 – 13.5 mm	8 – 13.5 mm	8 – 13.5 mm	8 – 10 mm
≤ 50 mm	≤ 50 mm	≤ 50 mm	≤ 50 mm
Wall, glass, ceiling	Wall, glass, ceiling	Wall, glass, ceiling	Wall, ceiling
≤ 3,000 mm	≤ 3,000 mm	≤ 3,000 mm	≤ 2,500 mm
≤ 2,500 mm	≤ 2,000 mm	≤ 2,000 mm	≤ 1,300 mm
+ / - 5 mm	+ 5 mm / - 3 mm	+ 5 mm / - 3 mm	+ 2 mm / - 2 mm
Class 4	Class 4	Class 4	Class 2
≥ 100,000	≥ 100,000	≥ 100,000	≥ 100,000
●	●	●	●
150 kg	80 kg	80 kg	50 kg
2 x 150 kg	2 x 80 kg	2 x 80 kg	–
●	●	●	●
○	○	○	○
●	●	●	–
–	○ No glass preparation[2]	–	○ No glass preparation[2]
–	○[1]	–	–
–	○	–	–
–	○	–	–
○	○	○	–
–	–	–	–
For extra heavy doors, no extras	For 80 kg doors, most extras	For 80 kg doors, no extras	For 50 kg doors, DORMOTION available

● yes – no ○ optional

1) Synchro with DORMOTION is only possible with DORMOTION XL 80 & DORMOTION L 80 systems
2) DORMOTION unit to be ordered separately

HOW TO COMPOUND THE DORMA ARTICLE NUMBER

Illustrated the example of MUTO Comfort M DORMOTION 50, set for wall installation, surface SILVER N 600 – Alumin. Silver (F150)

Complete article number: 8.36.100.150.99

Code	**8**	**36**	**100**	**150**	**99**
Meaning for this part of the code in general	Product category	Product group	Article definition	Surface finish	Article status
In this special case	DORMA glass product	Manual sliding door systems MUTO Comfort	MUTO Comfort M DORMOTION 50, set wall installation	Silver N 600 Satin – Alumin. Silver	Salable article

The short version used in this technical documentation only shows product group and article definition. In our example: 36.100
For all articles shown in this catalogue the codes 8 (DORMA glass product) and 99 (salable article) remain unchanged. The other parts of the code are variable depending on the particular article and finish.

Art. No.	8.36.xxx. **xxx**	.99
Alumin. Silver	**150**	
Alumin. Dark Niro	**157**	
Alumin. White	**350**	

Art. No.	8.36.xxx. **xxx**	.99
Alumin. special anodized	**199**	
Alumin. special color	**399**	

GENERAL INFORMATION MUTO COMFORT

MUTO Comfort

The MUTO system impresses by virtue of its compact elegance and the wide functionality it offers, enabling enhanced user-friendlyness in a sliding door system: Smooth damping in the endpositions of the door, power-free Self-Closing, integrated electromechanical lock and a status indicator enabling the door to be monitored from anywhere in the building.

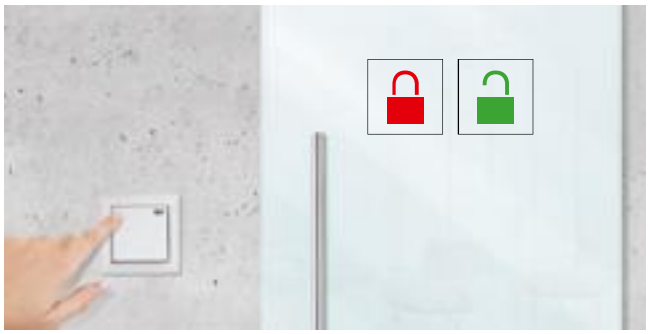
Weight classes

- **50 kg**
- **80 kg**
- **120 kg**
- **150 kg**

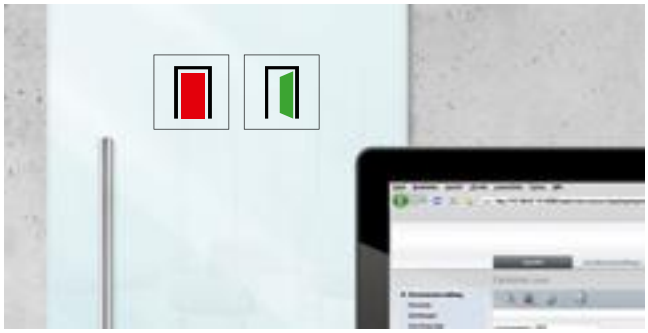
Activity rate, Longevity	
≥ 100,000 cycles	≥ 200,000 cycles
50 kg variant	150 kg variant
80 kg variant	Self-Closing Variant 120 kg
	Telescopic

DORMOTION – the elegant damping mechanism

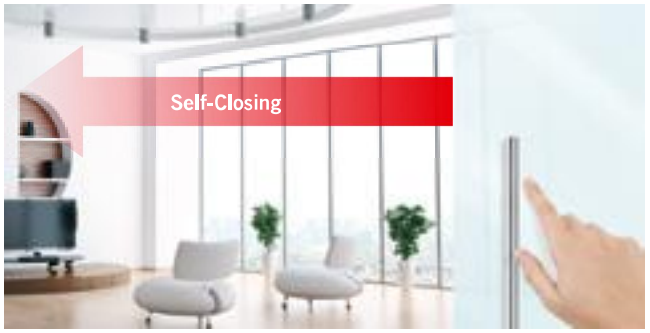
Integrated electromechanical lock – discretion assured



Status indicator – everything under control

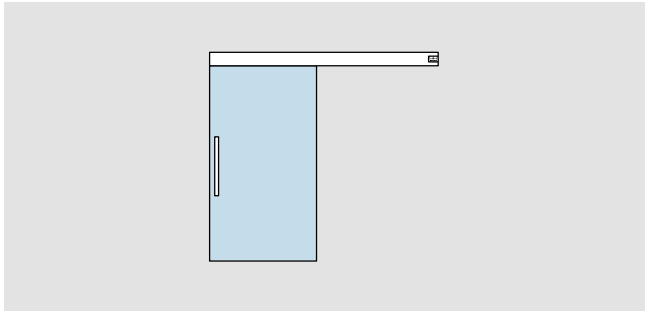


Self-Closing – hassle-free

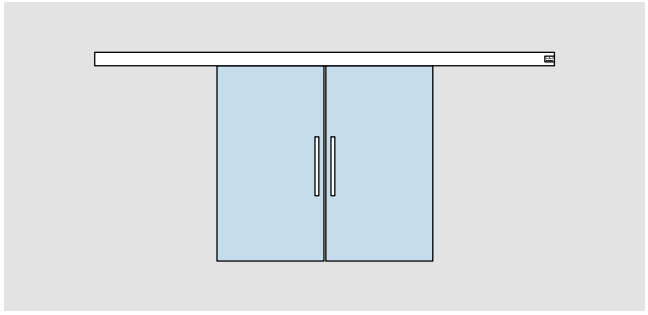


INSTALLATIONS

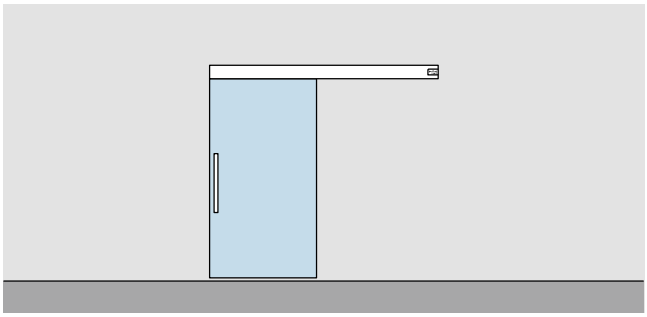
With one sliding panel



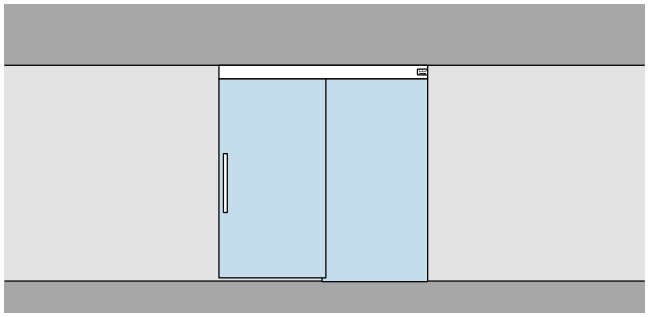
With two sliding panels



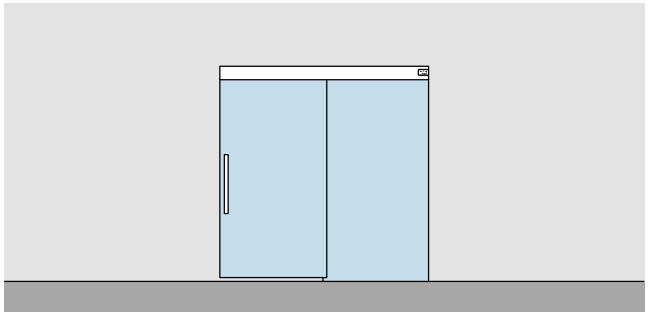
Fixed at wall



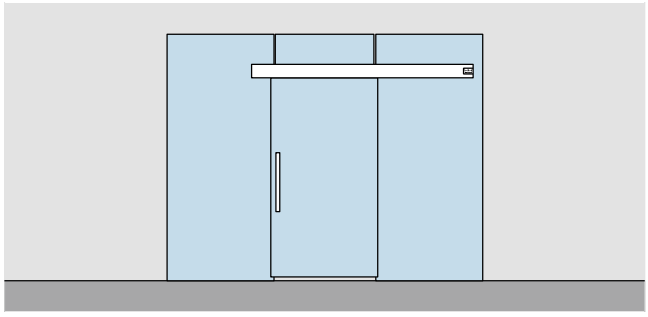
Fixed at ceiling with optional sidelight



Fixed at transom with sidelight

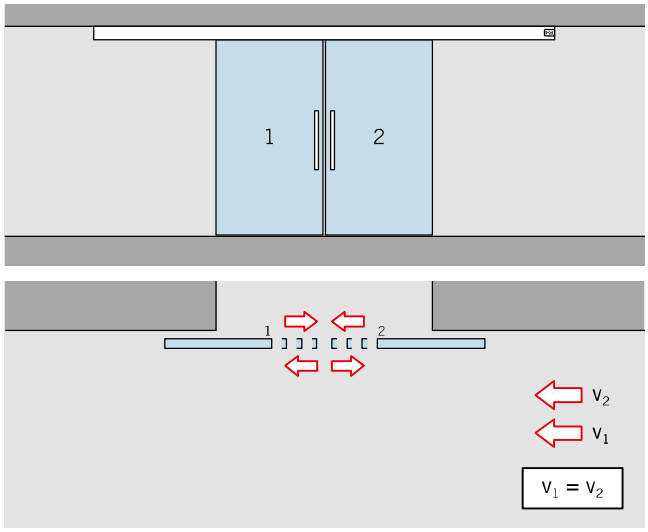


Fixed at glass

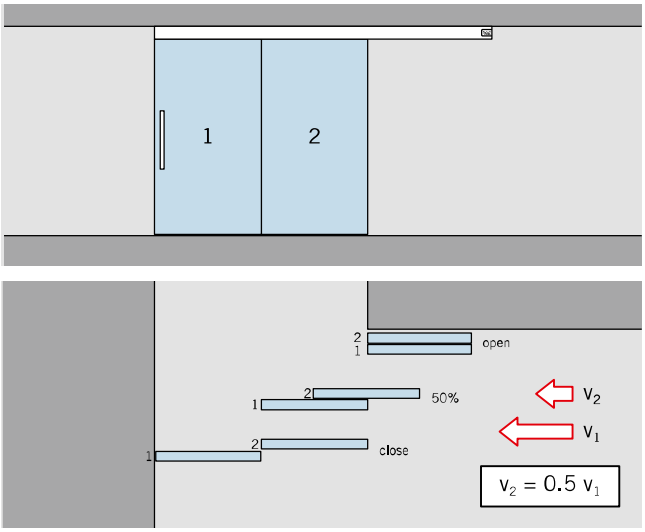


FUNCTIONALITIES

Synchro

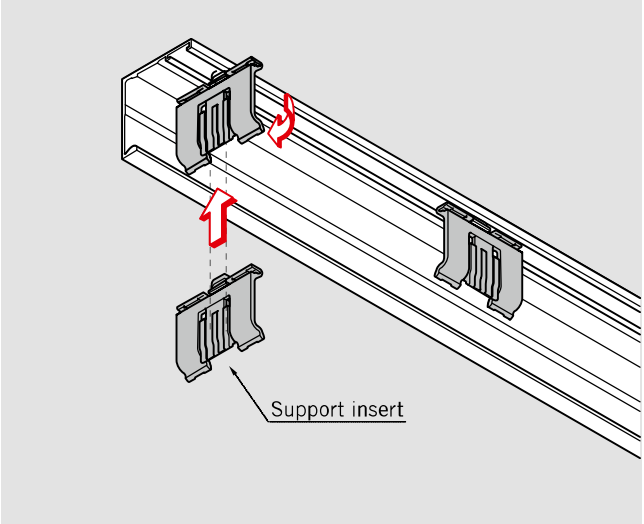


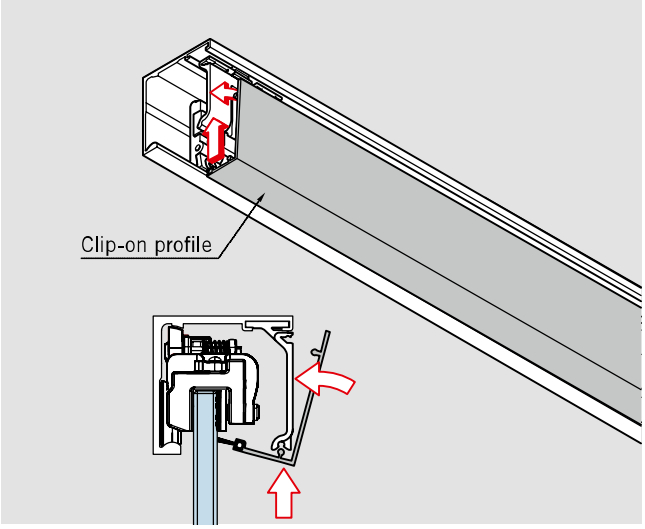
Telescopic



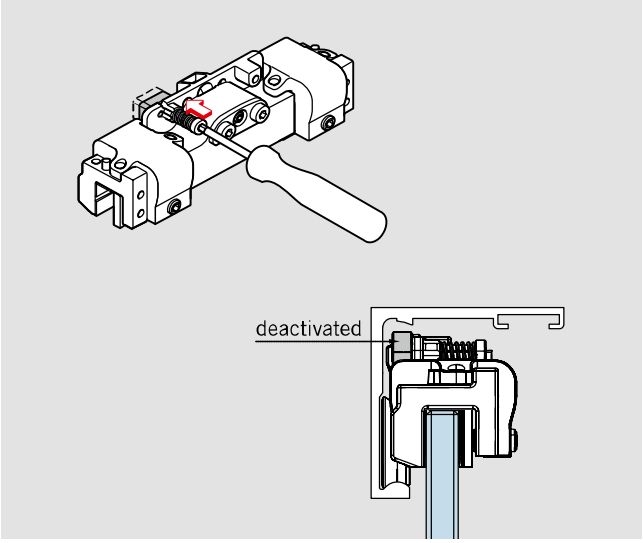
ADVANTAGES AT INSTALLATION

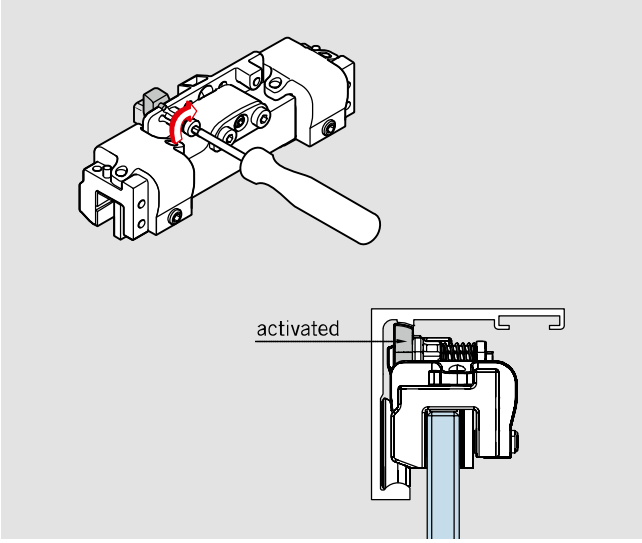
Cover profile



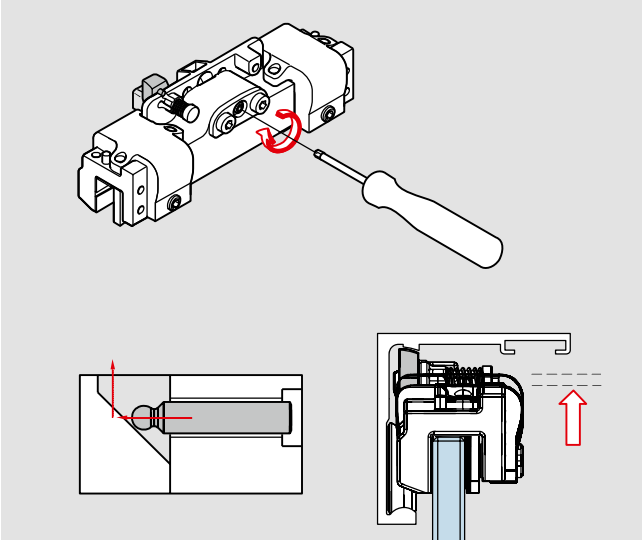


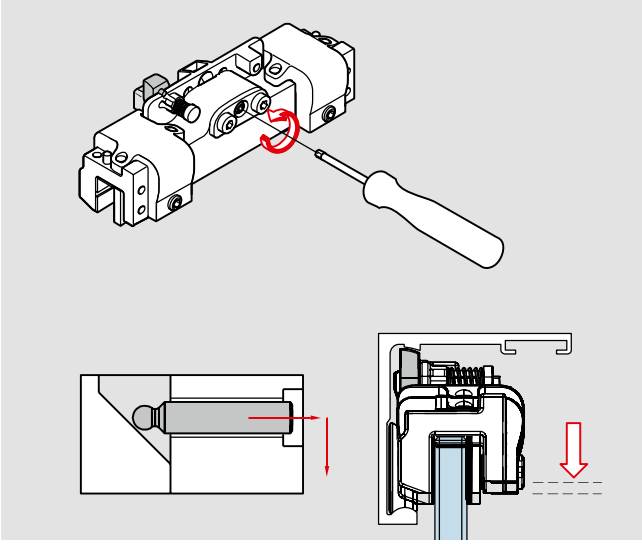
Anti-Jump device



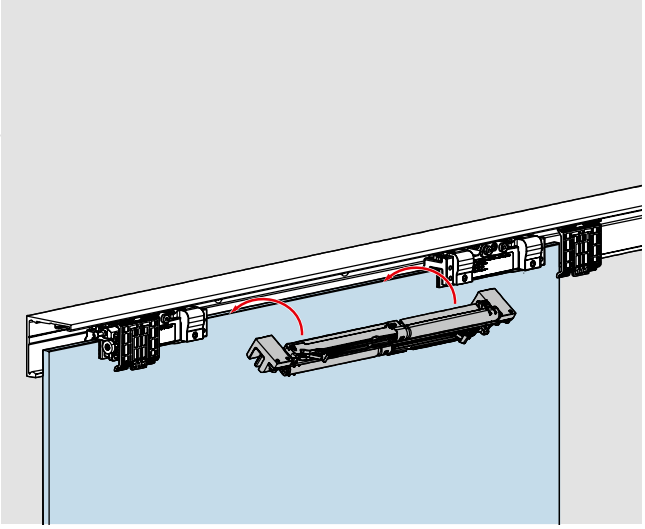


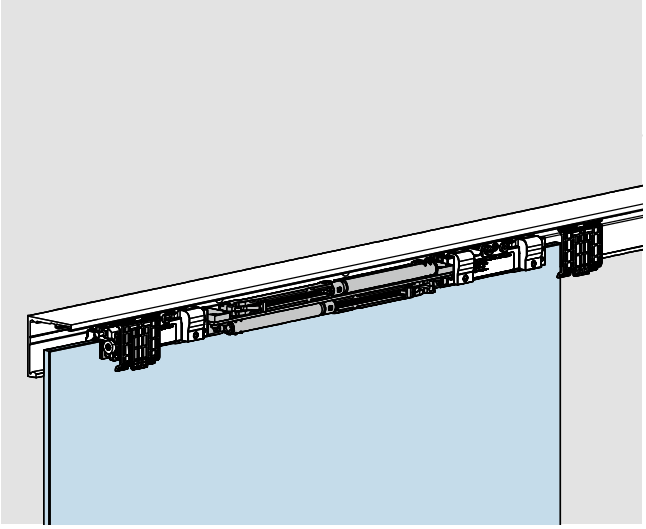
Height adjustment



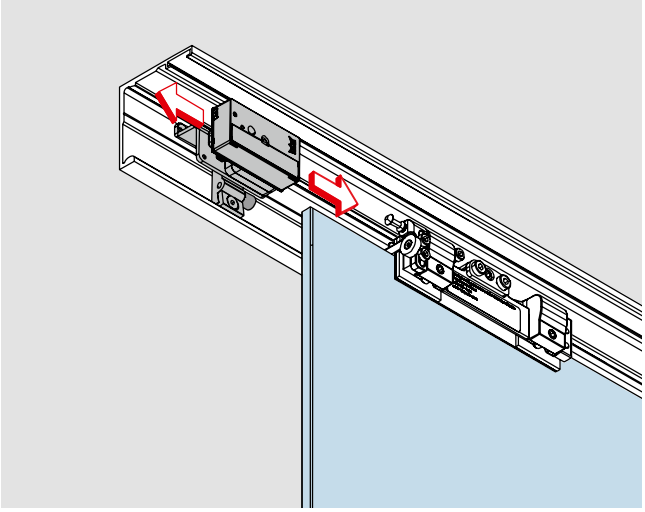


Retrofit of the DORMOTION unit (min. panel widths for DORMOTION units have to be considered)

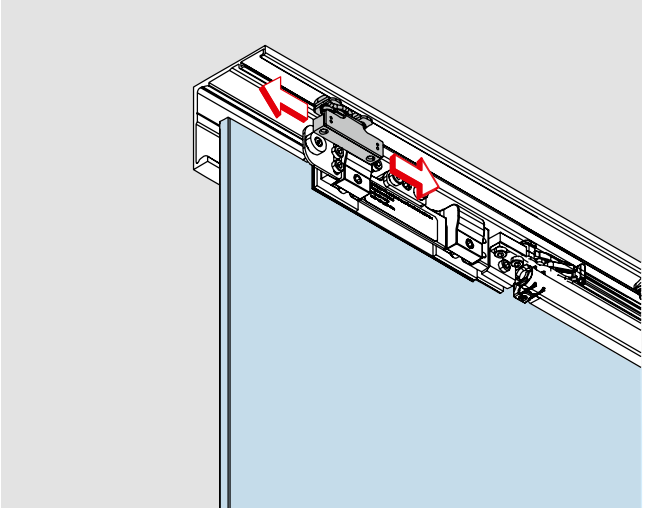




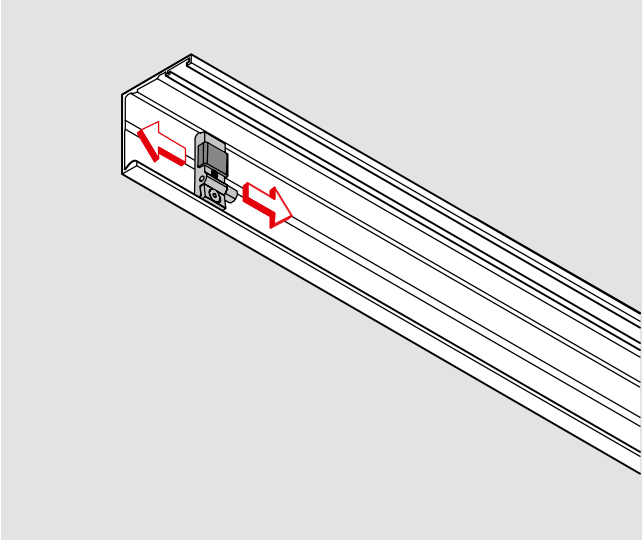
Free adjustable and retrofit locking unit (only in combination with DORMOTION)



Free adjustable and retrofit status indicator

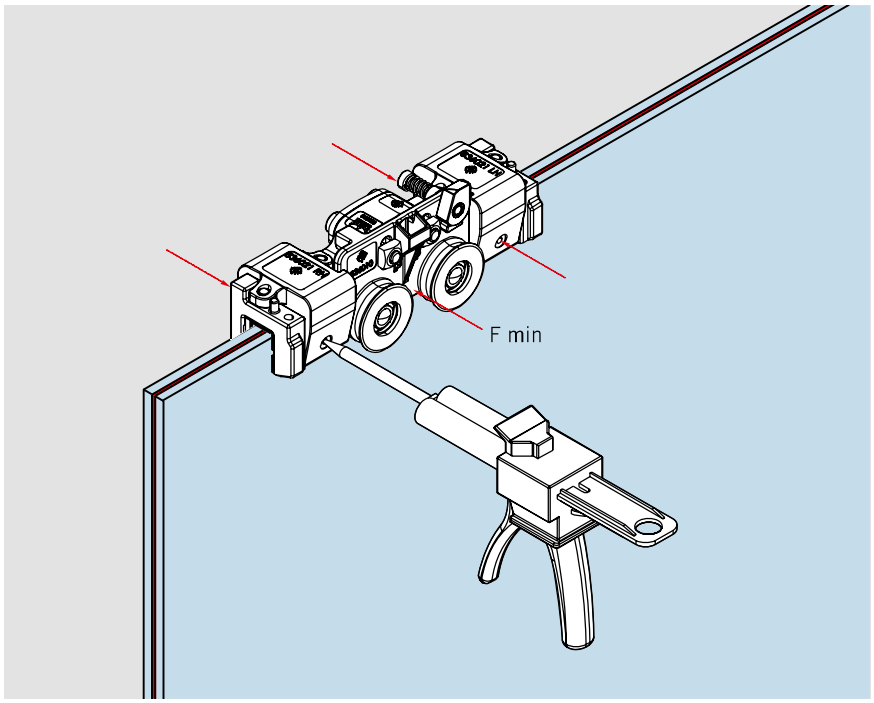


Free adjustable endstop



LSG COMPATIBILITY

Clamp & Glue

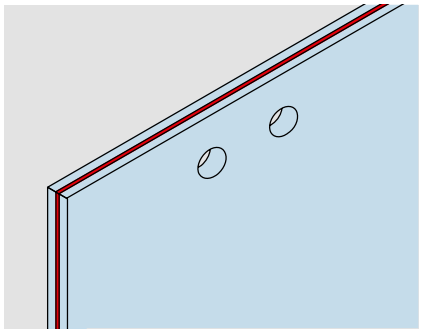


DORMA's Clamp & Glue technology provides the possibility to keep the advantages and – at the same time – to eliminate the potential failures of laminated safety glass.

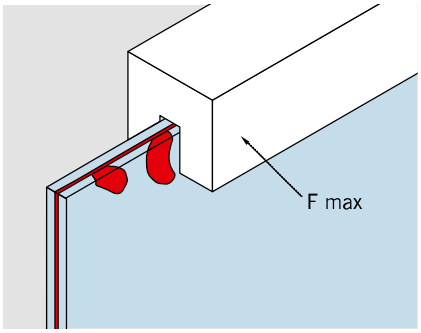
The solution for secure hold of the glass panel only needs a minimum of clamping force at the fittings, without any glass preparation.

NOT WITH MUTO

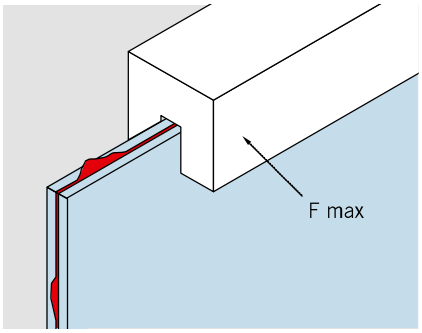
Glass preparation



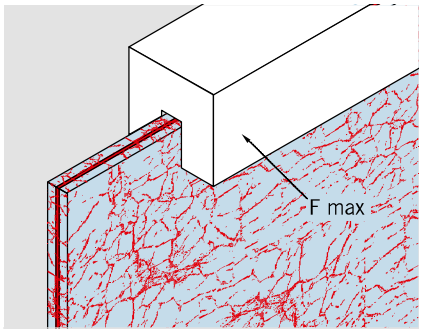
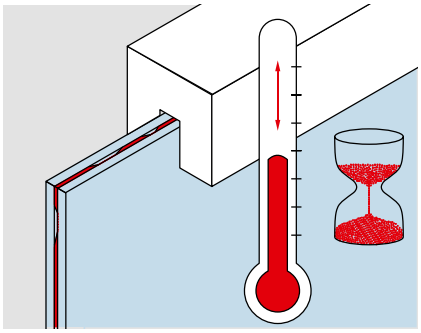
Blister



Extrusion of interlayer



Glass crack



Shrinkage of interlayer (due to temerature variation in long-term usage).