



# MUTO Comfort M 60



Extract of  
Technical Brochure  
Manual Sliding Door  
Systems

Available from CW 20




# Design your rooms the way you want them

Whether for living or office areas, wherever elegant transitions from one room to another need to be provided, toughened glass assemblies offer the architectural elegance of open, transparent, inviting access.

Sliding doors also add a certain lightness and a more generous appearance to small rooms. Easy-to-install solutions mean that your space-defining idea in glass can be readily made reality.

## MUTO

The manual sliding door system for timber panels. Compact, flexible and with a wide range of options. Simple installation and adjustability from the front. Convenience "Comfort" options such as automatic closing function and integrated battery-operated lock eliminating the need for an external power supply MUTO is also available as telescopic variant.

Applications and features		 MUTO M 60	MUTO L 80	MUTO Premium XL 80/150
Suspended sliding door		●	●	●
Integrated / concealed carrier		●	●	●
1 panelled sliding door		●	●	●
Two panelled bi-parting sliding door			●	●
Integrated locking device			●	●
Status indicator			●	●
Suspended ceilings			●	●
Self-Closing				
Synchro version			●	●
Telescopic function (panel moves in sync)				
End-position engage cushioning		●	●	●
Installation at wall		●	●	●
(Installation at wall; version with large glass-to-wall clearance for bridging existing frames) + direct track fixing to wall				
Installation at ceiling		●	●	●
Fixed at glass			●	●
Safe use of laminated safety glass elements			●	●
Timber sliding door possible			●	●
Curved systems				
Panel attachment with no glass preparation <sup>1)</sup>		●	●	●
Max. sliding panel weight		60 kg	80 kg	80 / 150 kg
Min. sliding panel width (mm)	without DORMOTION	600 <sup>3) 6)</sup>	660 <sup>3)</sup>	660 <sup>3)</sup>
	with DORMOTION	600 <sup>3) 6)</sup>	660	810 / 1,020 <sup>3)</sup>
Max. sliding panel width (mm)		1.300	1,500 (max. 2,000) <sup>7)</sup>	1,500 (max. 2,500) <sup>7)</sup>
Max. sliding panel height (mm)		2.500	3,000	3,000
Glass thicknesses (mm) sliding panel		8 – 12	8 – 13.5	8 – 13.5
Glass type		TSG / LSG <sup>4) 5)</sup>	TSG / LSG <sup>4) 5)</sup>	TSG / LSG <sup>4) 5)</sup>
Wood thickness (mm) sliding panel		28 – 50	28 – 50	28 – 50
Glass thicknesses (mm) integrated sidelights		8 – 13,5	8 – 13.5	8 – 13.5

1) Glass machining only necessary for individual thumbturn or other handle types.

2) 120 kg for glass or timber panels with two carriers. 150 kg for glass panels with three carriers.

3) To ensure optimal operation, we recommend an aspect ratio of 1:2 or 1:3

4) LSG with accessory set LSG

5) LSG consisting of 2 x TSG

6) After consultation: without DORMOTION min. 400 mm possible, with DORMOTION min. 550 mm possible

# General information

## MUTO

The systems are based on a thoroughly modular construction principle, enabling them to be adapted to different requirements!

### Weight classes

- 60 kg NEW
- 80 kg
- 150 kg

### Activity rate, longevity

- $\geq 50.000$  cycles at 60 kg variant NEW
- $\geq 100.000$  cycles at 80 kg variant
- $\geq 200.000$  cycles at 80/150 kg variant
- Self-Closing, max. 120 kg
- Telescopic, max. 2 x 80 kg

## DORMOTION – the elegant damping mechanism



## Integrated electromechanical lock – discretion assured



## Status indicator – everything under control



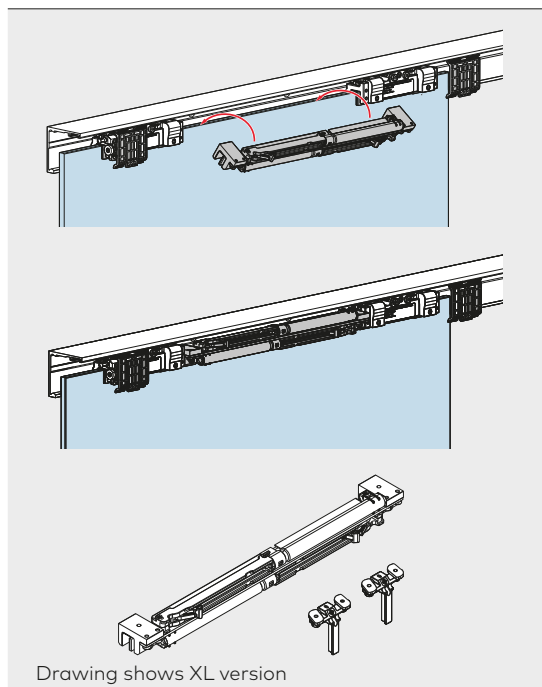
## Self-Closing – hassle-free





# Retrofittable and safe

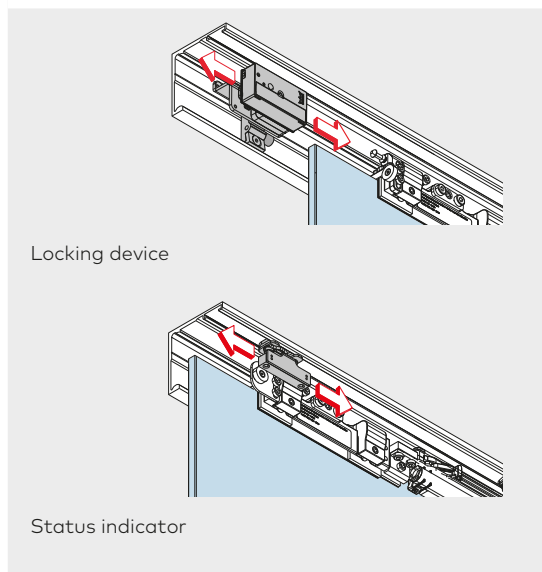
## Features and data



### DORMOTION

#### (damping mechanism)

- Retrofittable in existing systems (without the need for disassembly)
- Applies to the following "Comfort" systems:
  - MUTO Comfort M NEW
  - MUTO Comfort L
  - MUTO Premium XL
  - MUTO Premium XL Telescopic



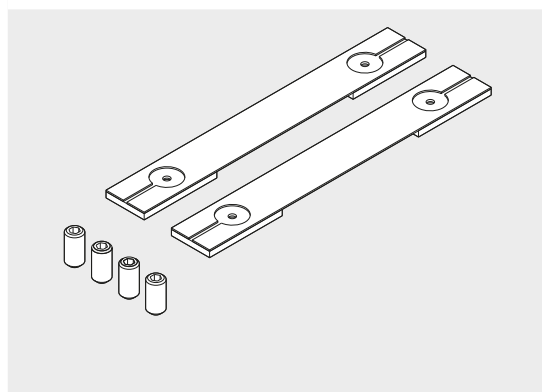
### Integrated lock and status indicator

Integrated lock (only in conjunction with the DORMOTION damping mechanism)

- Retrofittable (ensure compliance with profile dimensions)
- Battery-operated
- Not suitable as a security barrier
- Not suitable for outdoor facilities
- Applies to the following "Comfort" systems:
  - MUTO Comfort L
  - MUTO Premium XL
  - MUTO Premium XL Telescopic
  - MUTO Premium Self-Closing

Status indicator (only in conjunction with the DORMOTION damping mechanism)

- Cable entry required
- Not suitable for outdoor facilities
- Applies to the following "Comfort" systems:
  - MUTO Comfort L
  - MUTO Premium XL
  - MUTO Premium XL Telescopic
  - MUTO Premium Self-Closing

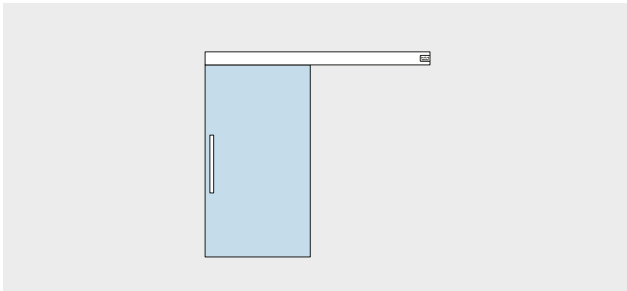


### Secure hold for laminated safety glass without any mechanical glass preparation thanks to Clamp&Glue technology

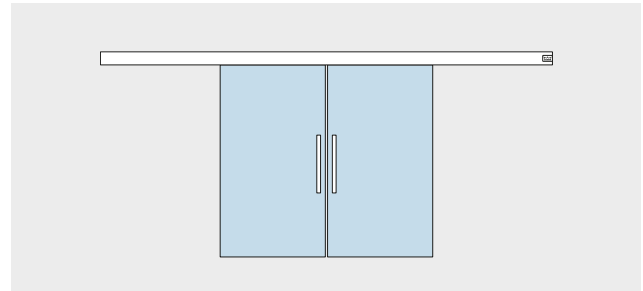
- Easy retrofitting of the carriers with LSG accessory set
- No unwanted LSG phenomena:
  - No bubble formation
  - No laminate slippage
  - No glass fracture as a result of excessive clamping forces
  - No negative influence of temperature change (foil disappears) thanks to Clamp&Glue technology
- Applies to the following "Comfort" systems:
  - MUTO Comfort M NEW
  - MUTO Comfort L
  - MUTO Premium XL
  - MUTO Premium XL Telescopic
  - MUTO Premium Self-Closing

# Installations

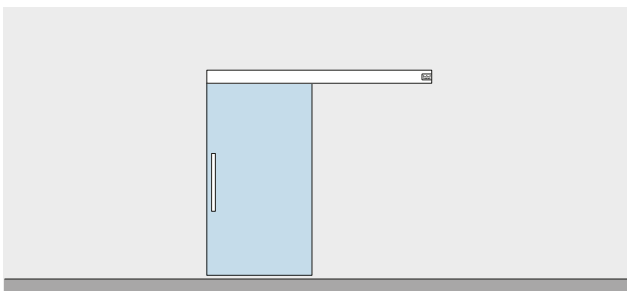
**With one sliding panel**



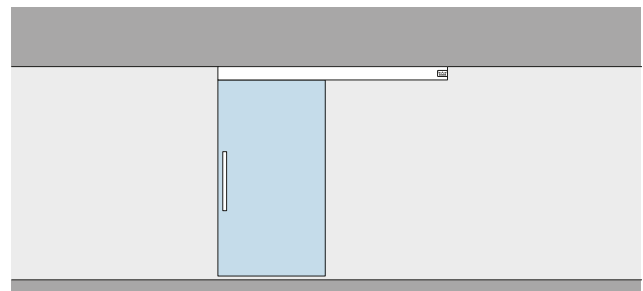
**With two sliding panels**



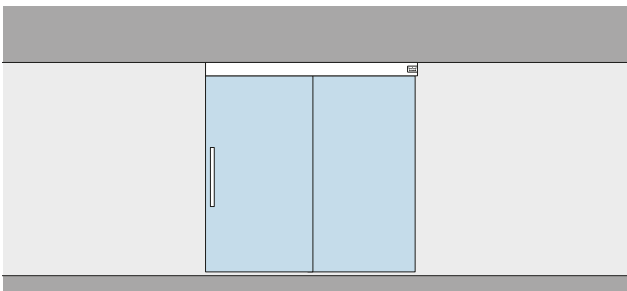
**Fixed at wall**



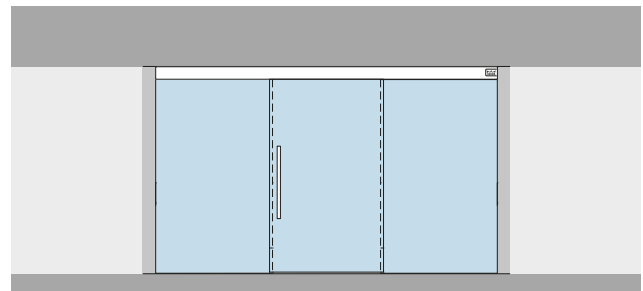
**Fixed at ceiling**



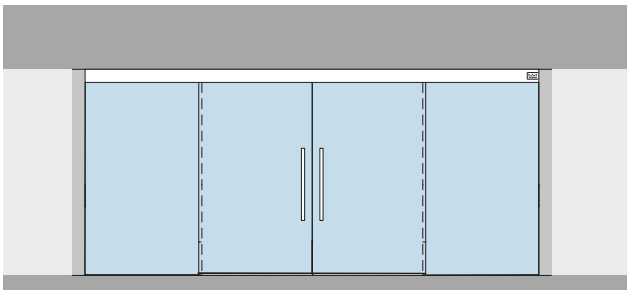
**Fixed at transom with sidelight**



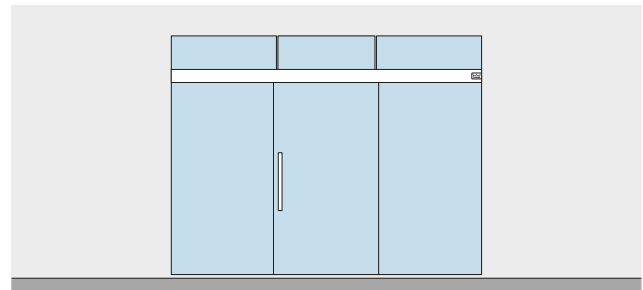
**Fixed at transom with sidelight**



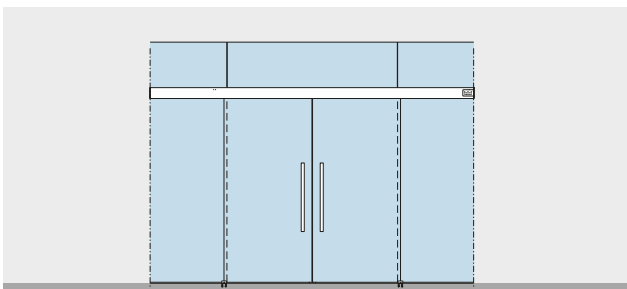
**Fixed at ceiling with sidelights**



**Fixed at glass – with glass fanlight and glass sidelights**

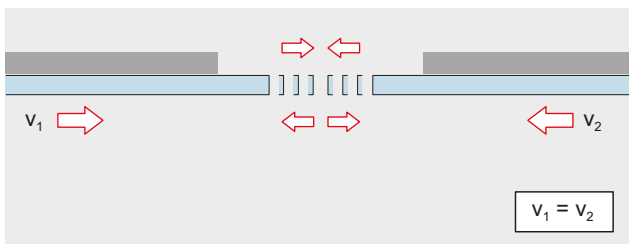
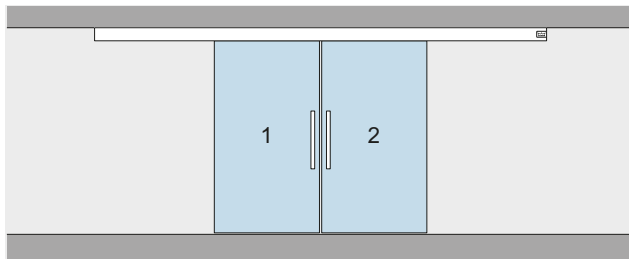


**Fixed at glass – with glass fanlight and glass sidelights**

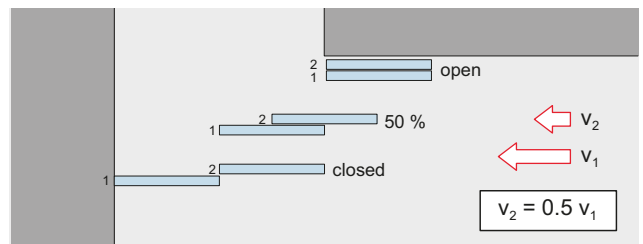
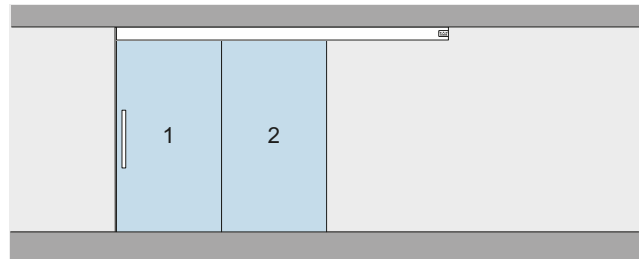


# Functionalities

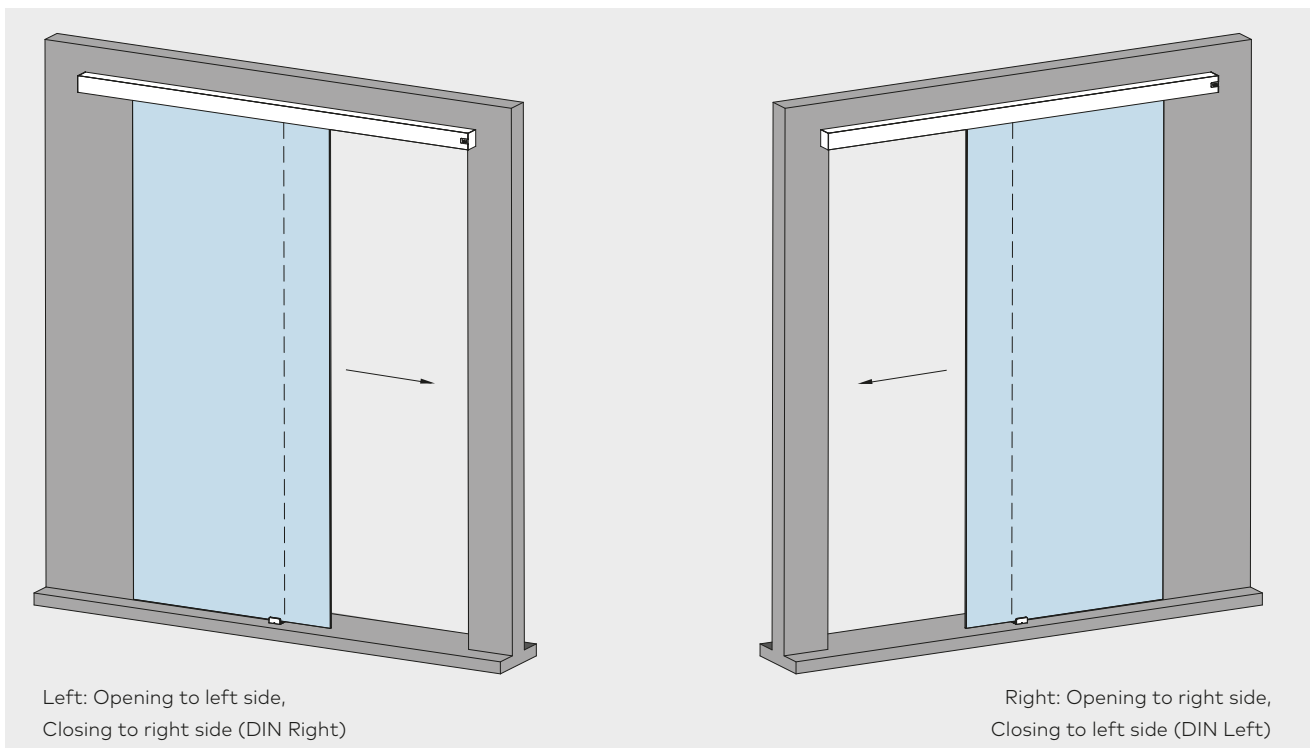
## Synchro



## Telescopic

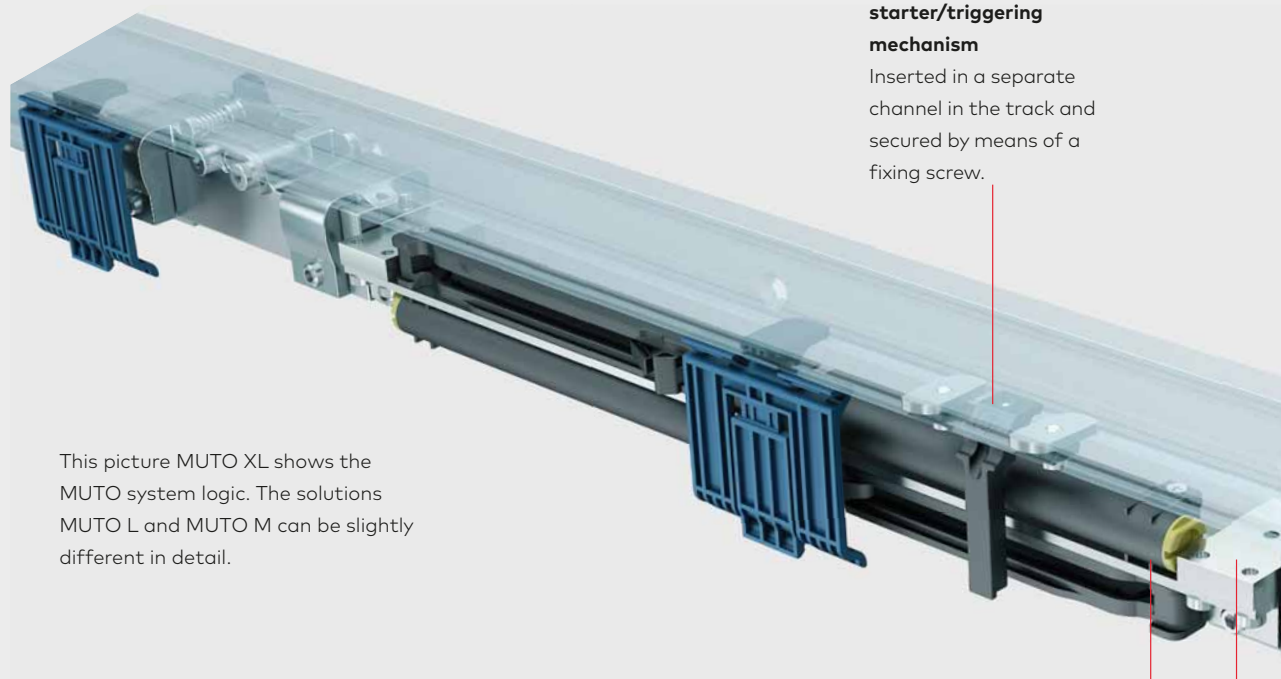


## Self-Closing/Telescopic



# The manual sliding door system offering fast, effortless installation

**MUTO – easy installation and adjustability from the front.**



This picture MUTO XL shows the MUTO system logic. The solutions MUTO L and MUTO M can be slightly different in detail.

## **DORMOTION starter/triggering mechanism**

Inserted in a separate channel in the track and secured by means of a fixing screw.

## **LSG certified.**

### **Transparent safety.**

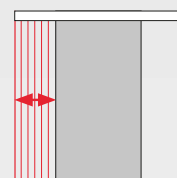
Laminated safety glass can be installed as part of the MUTO system.

The certification confirms its high-grade quality.



## **DORMOTION**

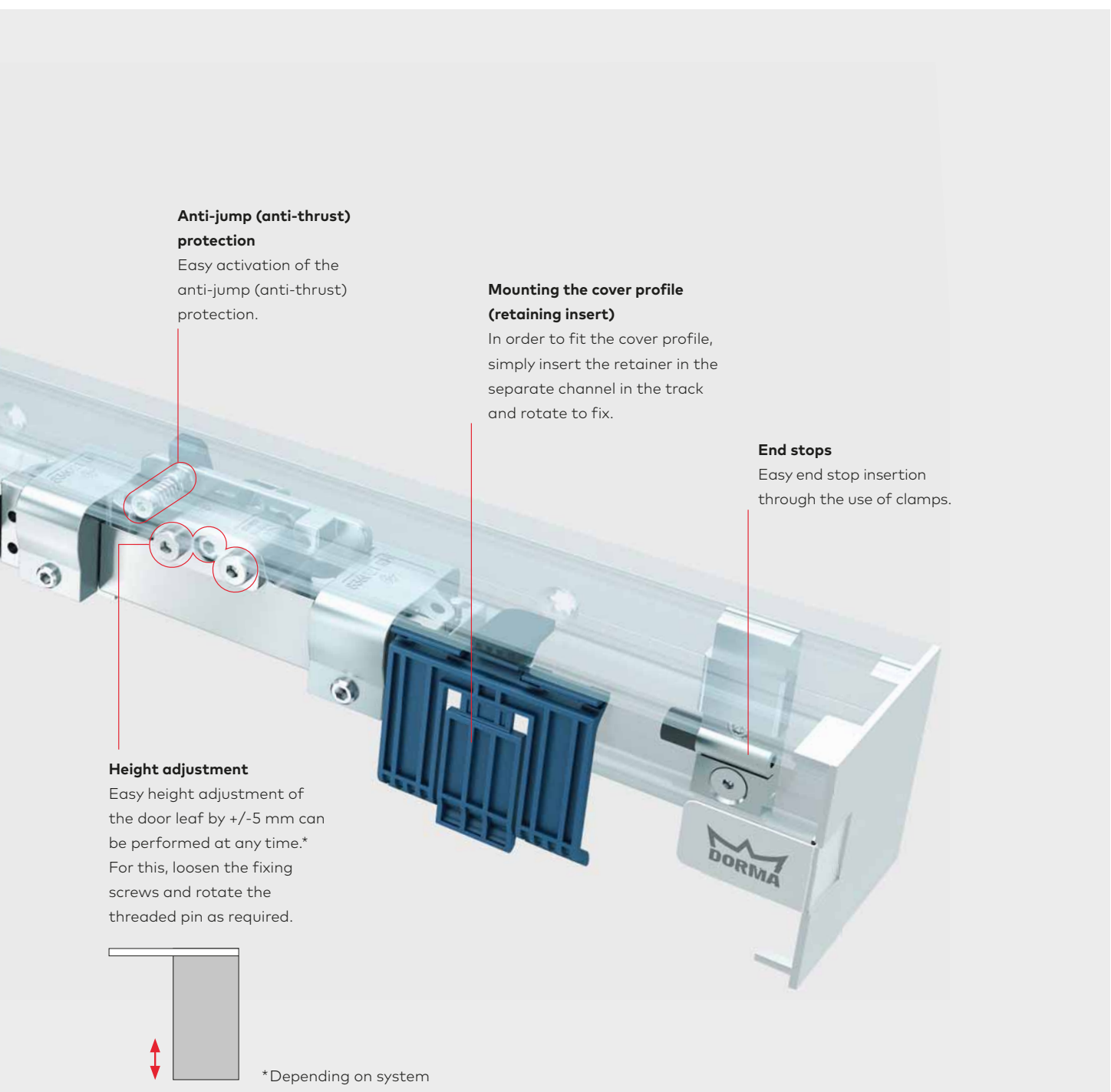
The damping unit is simply mounted onto the door leaf and clamped into position. The damping unit is retro-fittable and can also be installed on existing panels in situ.



## MUTO – Installation M, L, XL, SC, Telescopic

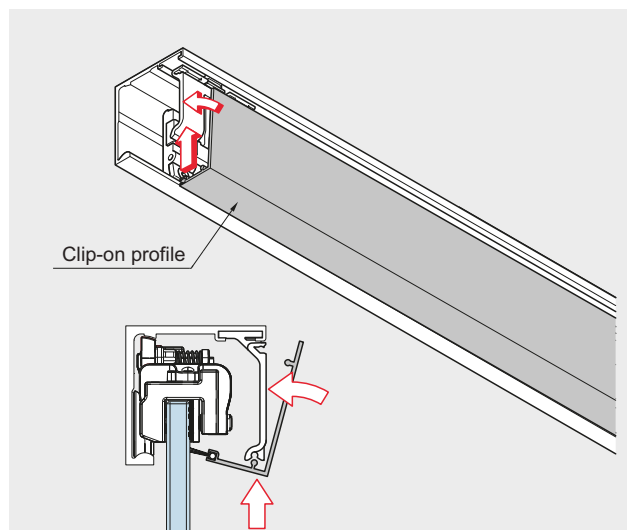
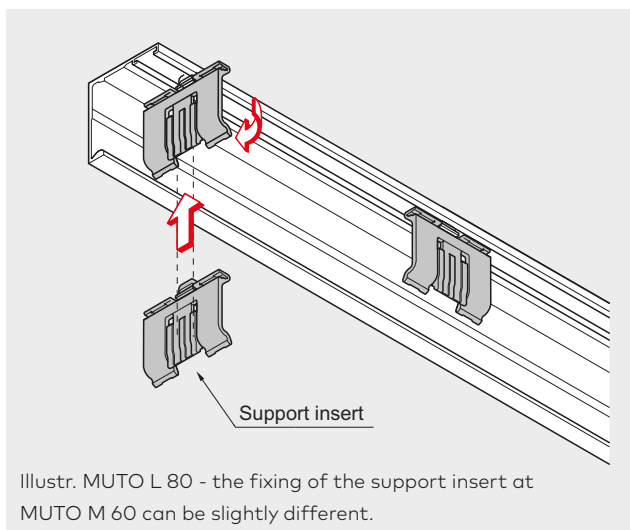
### Benefits at a glance

- All adjustments can be quickly and easily performed from the front
- Certified use of laminated safety glass
- Suitable for glass and timber panels

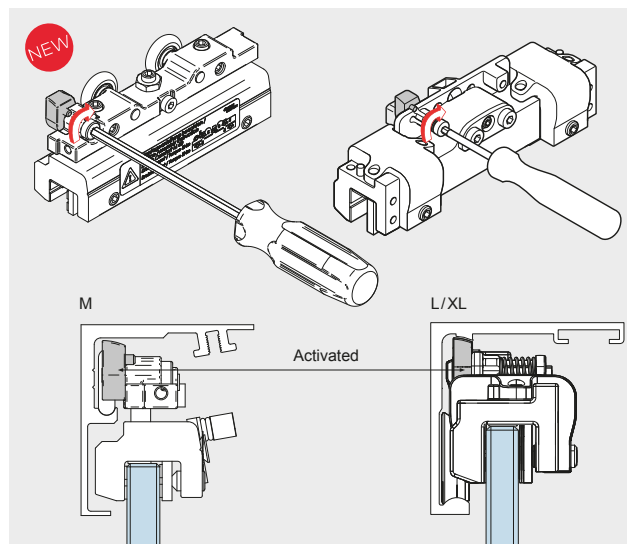
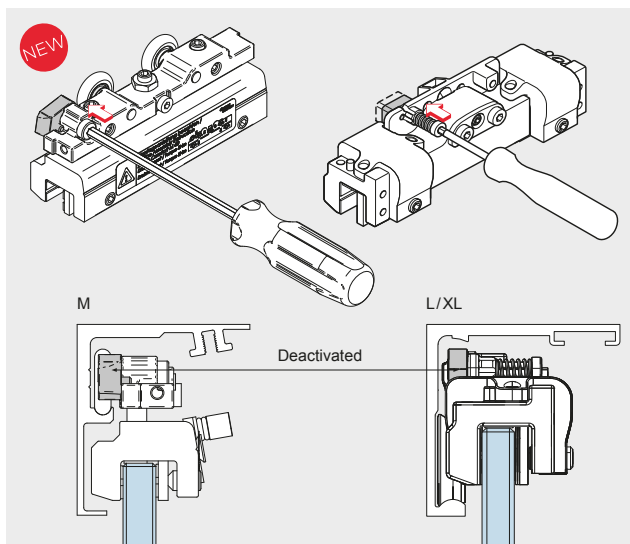


# Advantages at installation

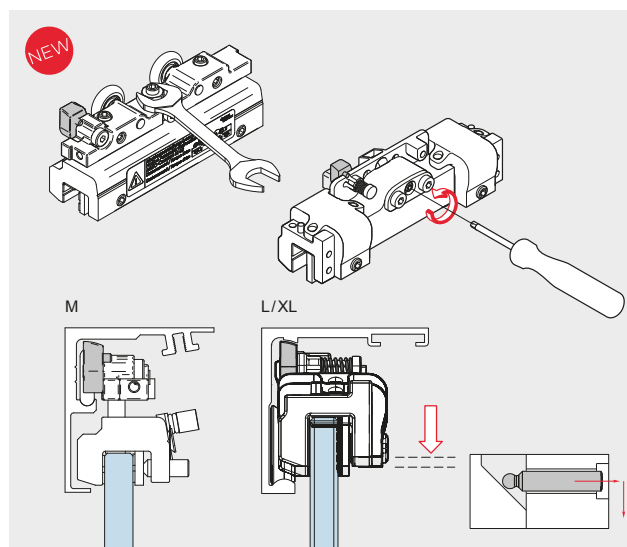
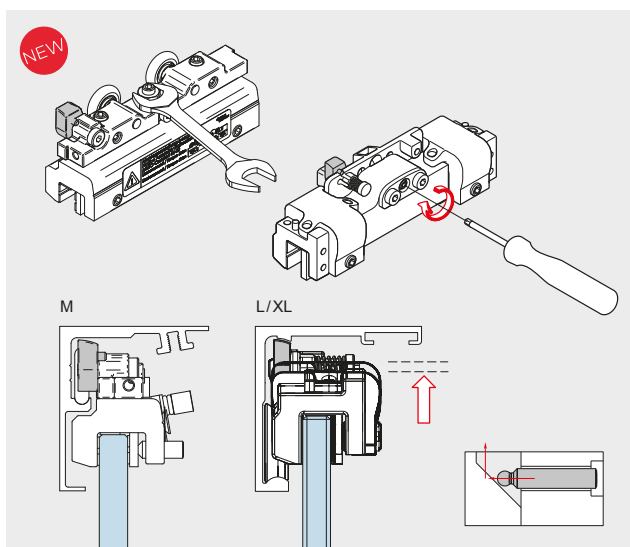
## Cover profile



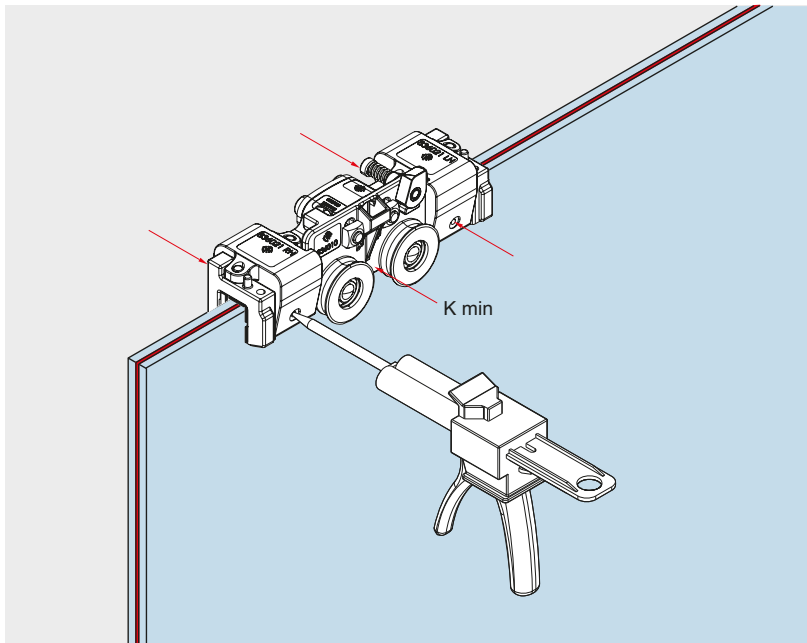
## Anti-jump device – carriers: MUTO Comfort M, L, Premium XL, Self-Closing and Telescopic



## Height adjustment – carriers: MUTO Comfort M, L, Premium XL, Self-Closing and Telescopic



# Clamp&Glue technology

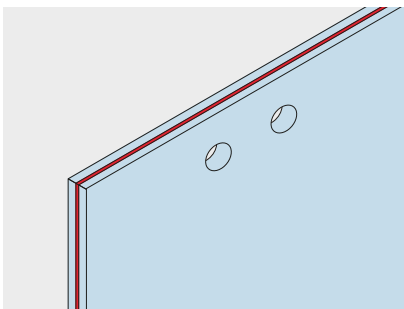


dormakaba Clamp&Glue technology provides the possibility to keep the advantages and – at the same time – to eliminate the potential issues of laminated safety glass. The solution for secure hold of the glass panel only needs a minimum of clamping force at the fittings, without any glass preparation.

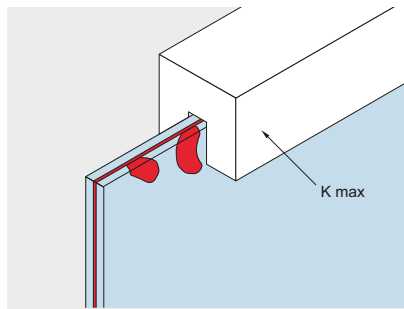
- Carrier sets readily convertible to LSG – make sure you specifically order LSG accessory sets
- High level of safety
- Easy installation
- Improved smoothness of operation
- Integration of sound protection laminate
- Decorative laminates
- Residual load-bearing capacity

## MUTO: the following negative phenomena are eliminated with LSG

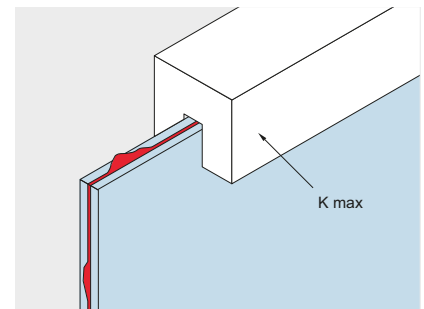
Glass preparation



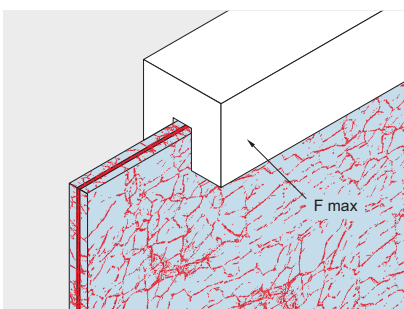
Blister



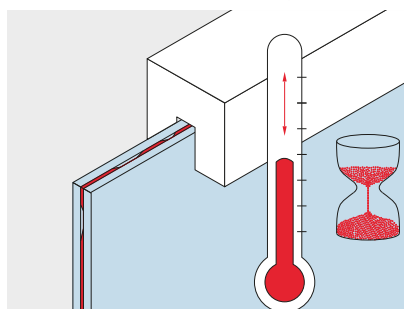
Extrusion of interlayer



Glass crack



Shrinkage of interlayer (due to temperature and pressure variation in long-term usage)


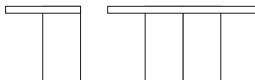



# MUTO

Ideal for glass panels –  
also optional for timber panels

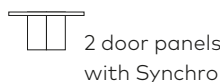
## Much Comfort:

- Unpowered Self-Closing action
- Independently concealed locking with electromechanical lock (battery powered)
- Status indicator connecting with your facility management
- DORMOTION damping mechanism without glass preparation

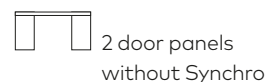
	 <b>MUTO Comfort M 60</b>	 <b>MUTO Comfort L 80</b>	 <b>MUTO Premium XL 80</b>
<b>Comfort</b>	<b>NEW</b>		
Track dimensions: Track	W ≤ 55 mm H ≤ 58 mm	W ≤ 71 mm H ≤ 58 mm	W ≤ 72 mm H ≤ 69 mm
Track dimensions: Track incl. Side panel	W = 74 mm	W = 90 mm	W = 91 mm
Track dimensions: Track + Cover profile	W ≤ 55 mm H ≤ 58 mm	W ≤ 71 mm H ≤ 58 mm	W ≤ 72 mm H ≤ 69 mm
<b>Basic description</b>			
Max. gap to wall (glass door)	14 mm	17 mm	20 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 – 12 mm	8 – 13.5 mm	8 – 13.5 mm
Installations	Wall, ceiling	Wall, ceiling, glass	Wall, ceiling, glass
Max. door height	≤ 2,500 mm	≤ 3,000 mm	≤ 3,000 mm
Max. door width	≤ 1,300 mm	≤ 1,500 mm**	≤ 1,500 mm**
Door height adjustment	+4 mm / -2 mm	+ 5 mm / - 3 mm	+/- 5 mm
Corrosion EN 1670	Class 2	Class 4	Class 4
Door cycles	≤ 50,000	≥ 100,000	≥ 200,000
DIN EN 1527	●	●	●
Max. door weight/single door	60 kg	80 kg	80 kg
Max. door weight/double door	–	2 x 80 kg	2 x 80 kg
Prepared for timber	●	●	●
Glass type	TSG / LSG*	TSG / LSG*	TSG / LSG*
<b>Functionalities</b>			
Adjustable from the front	●	●	●
DORMOTION	No glass preparation	No glass preparation	No glass preparation
Synchro version	–	○	○
Status indicator	–	○	○
Concealed EM locking	–	○	○
Self-Closing	–	–	–



1 door panel



2 door panels  
with Synchro



2 door panels  
without Synchro

● yes – no ○ optional

\* LSG from 2 x TSG (min. 2 x 5 mm).

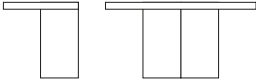

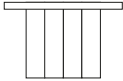
\*\* Further glass panel widths are available, subject to consultation with our Application Engineering department.  
The glass dimensions may vary due to the method of fixing and installation, glass tolerances or general usage.

1) Max. travel 1,450 mm



### Variants

- Self-Closing
- 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 panels ≤ 60 kg up to 150 kg

 <b>MUTO Premium XL 150</b>	 <b>MUTO Premium Self-Closing 120</b>	 <b>MUTO Premium Telescopic 80</b>
W ≤ 72 mm H ≤ 69 mm	W ≤ 100 mm H ≤ 69 mm	W ≤ 124 mm H ≤ 69 mm
W = 91 mm	W = 119 mm	W = 146 mm
W ≤ 72 mm H ≤ 69 mm	W ≤ 100 mm H ≤ 69 mm	W ≤ 127 mm H ≤ 69 mm
20 mm	20 mm	17 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
Wall, ceiling, glass	Wall, ceiling, glass	Wall, ceiling, glass
≤ 3,000 mm	≤ 3,000 mm	≤ 3,000 mm
≤ 1,500 mm**	≤ 1,500 mm <sup>1)</sup>	1,200 / 1,000 mm (2x/4x)
+/- 5 mm	+/- 5 mm	+ 5 mm / - 3 mm
Class 4	Class 4	Class 4
≥ 200,000	≥ 200,000	≥ 200,000
●	●	●
150 kg	120 kg	2 x 80 kg
2 x 150 kg	2 x 120 kg	4 x 80 kg
●	●	●
TSG / LSG*	TSG / LSG*	TSG / LSG*
●	●	●
No glass preparation	No glass preparation	No glass preparation
–	–	–
○	○	○
○	○	○
–	●	–



2 door panels, Telescopic

Further information on MUTO Premium Telescopic 80 can be found in the Compendium.

# MUTO

Explanation of  
product names

## Profile dimensions

M = 57 x 58 mm

### Max. door weight

60 kg

## Profile dimensions

L = 71 x 58 mm

### Max. door weight

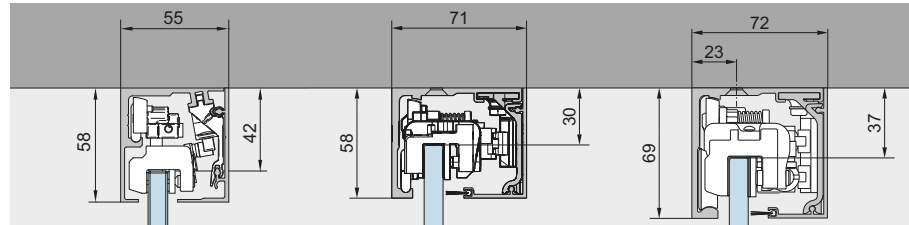
80 kg

## Profile dimensions

XL = 72 x 69 mm

### Max. door weight

80 kg



	<b>NEW</b> MUTO M 60	MUTO L 80*	MUTO Premium XL 80*
DORMOTION	Optional	Optional	Yes
max. Sliding panel weight	60 kg	80 kg	80 kg
Movement cycles	≥ 50,000	≥ 100,000	≥ 200,000
Glass thickness sliding panel	8 – 12 mm	8 – 13.5 mm	8 – 13.5 mm
Height adjustment	+ 4 mm / – 2 mm	+ 5 mm / – 3 mm	+/- 5 mm
Material thickness (Timber)	28 – 50 mm	28 – 50 mm	28 – 50 mm
max. Sliding panel height [GH][TH]	2,500 mm	3,000 mm	3,000 mm
Mounting type	Wall, ceiling	Wall, ceiling, glass	Wall, ceiling, glass

### Single panel

Clear opening width [LW] min. – max.	600 – 1,240 mm <sup>1)</sup>	600 – 1,440 mm	600 – 2,440 mm
Panel width [A]	LW + 60 mm	LW + 60 mm	LW + 60 mm
Panel width [A] min. – max. (without DORMOTION / with retrofittable lock/ status indicator)	600 – 1,300 mm <sup>**2)</sup> no lock/ status indicator	660 – 1,500 (max. 2,000 mm <sup>**</sup> )	660 – 1,500 (max. 2,500 mm <sup>**</sup> )
Panel width Comfort [A] min. – max. (with DORMOTION, with retrofittable lock/ status indicator) <sup>***</sup>	600 – 1,300 mm <sup>**2)</sup> no lock/ status indicator	660 – 1,500 (max. 2,000 mm <sup>**</sup> )	810 – 1,500 (max. 2,500 mm <sup>**</sup> )
Panel width Standard [A] min. – max. (with DORMOTION, without retrofittable lock/ status indicator) <sup>***</sup>	600 – 1,300 mm <sup>**2)</sup> no lock/ status indicator	660 – 1,500 (max. 2,000 mm <sup>**</sup> )	755 – 1,500 (max. 2,500 mm <sup>**</sup> )
Panel width Small [A] min. – max. (with DORMOTION, without retrofittable lock/ status indicator) <sup>***</sup>	600 – 1,300 mm <sup>**2)</sup> no lock/ status indicator	660 – 1,500 (max. 2,000 mm <sup>**</sup> )	690 – 1,500 (max. 2,500 mm <sup>**</sup> )
Length of track wall/ceiling	2 x A	2 x A	2 x A
Length of track [B] at glass	–	2 x A + 67 mm	2 x A + 67 mm

### Double panel

Clear width [LW] min. – max.	–	1,266 – 2,446 mm	1,566 – 2,890 mm
Panel width [A]	–	LW / 2 + 27 mm	LW / 2 + 27 mm
Panel width [A] min. – max.	–	660 – 1,250 mm	810 – 1,470 mm
Length of track [B] wall/ceiling	–	4 x A – 44 mm	4 x A – 44 mm
Length of track [B] at glass	–	4 x A + 12 mm	4 x A + 12 mm

\* Benefit variant Premium XL – 80 versus Comfort L – 80:

higher number of movement cycles and smaller panel width on DORMOTION.

<sup>1)</sup> After consultation: without DORMOTION min. 340 mm possible, with DORMOTION min. 490 mm possible

<sup>2)</sup> After consultation: without DORMOTION min. 400 mm possible, with DORMOTION min. 550 mm possible

**Profile dimensions**

XL = 72 x 69 mm

**Max. door weight**

150 kg

**Profile dimensions**

Self-Closing = 100 x 69 mm

**Max. door weight**

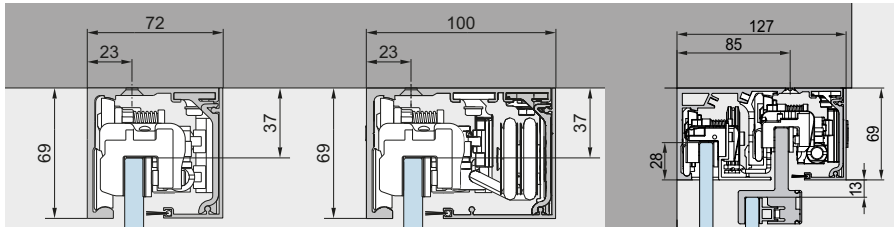
120 kg

**Profile dimensions**

M = 127 x 69

**Max. door weight**

2 x 80 Kg

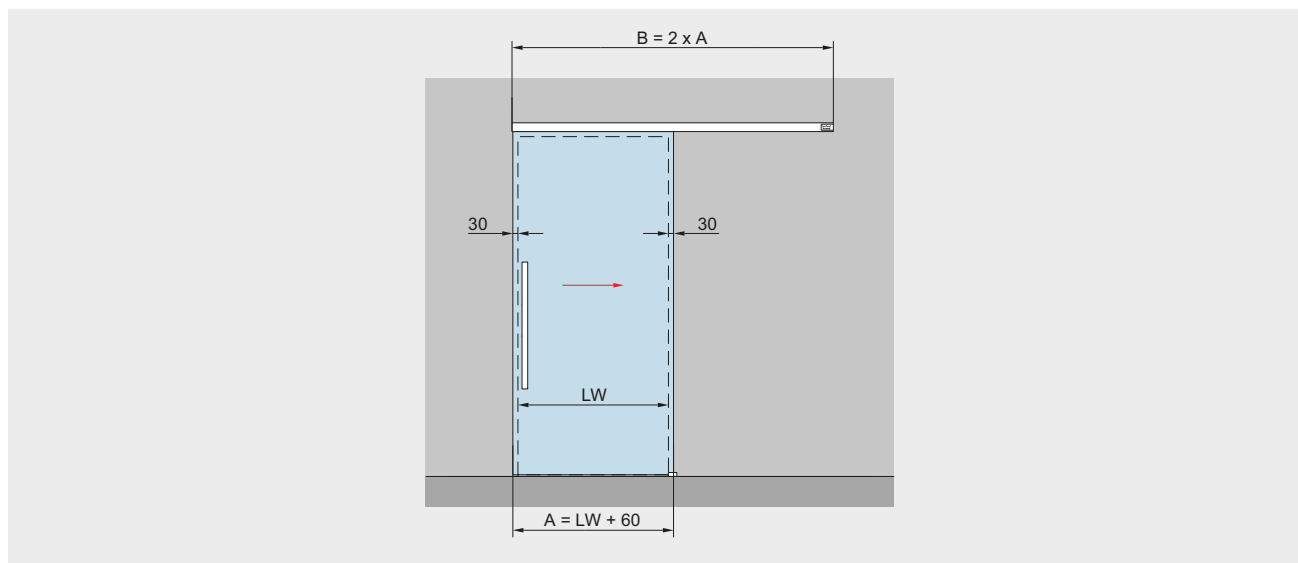
**Art. No.** 8.36. xxx **xxx** .99Alu Silver **150**Alu Niro Dark **157**Alu White **350**Alu Special anodised **199**Alu Special colour **399**

MUTO Premium XL 150	MUTO Premium Self-Closing 120	MUTO Premium Telescopic 80
Yes	Yes	Optional
150	120	2 x 80
≥ 200,000	≥ 200,000	≥ 200,000
8 – 13.5 mm	8 – 13.5 mm	8 – 13.5 mm
+/- 5 mm	+/- 5 mm	+ 5 mm / - 3 mm
28 – 50 mm	28 – 50 mm	28 – 50 mm
3,000 mm	3,000 mm	3,000 mm
Wall, ceiling, glass	Wall, ceiling, glass	Wall, ceiling, glass
600 – 2,440 mm	790 – 1,440 mm	see page 80
LW + 60 mm	LW + 60 mm	see from page 82 onwards
660 – 1,500 (max. 2,500 mm**)	–	see page 80
1,020 – 1,500 (max. 2,500 mm**)	850 – 1,500 mm**	see page 80
1,005 – 1,500 (max. 2,500 mm**)	–	–
900 – 1,500 (max. 2,500 mm**)	–	–
2 x A	2 x A	see from page 82 onwards
2 x A + 67 mm	2 x A + 67 mm	see from page 82 onwards
1,986 – 2,890 mm	1,606 – 2,890 mm	see page 80
LW / 2 + 27 mm	LW / 2 + 27 mm	see from page 82 onwards
1,020 – 1,470 mm	830 – 1,470 mm	see page 80
4 x A – 44 mm	4 x A – 44 mm	see from page 82 onwards
4 x A + 12 mm	4 x A + 12 mm	see from page 82 onwards

\*\* Further glass panel widths are available, subject to consultation with our Application Engineering department. The glass dimensions may vary due to the method of fixing and installation, glass tolerances or general usage.

\*\*\* Before going ahead, please note the details on pages 20 – 21

# Type illustrations wall installation

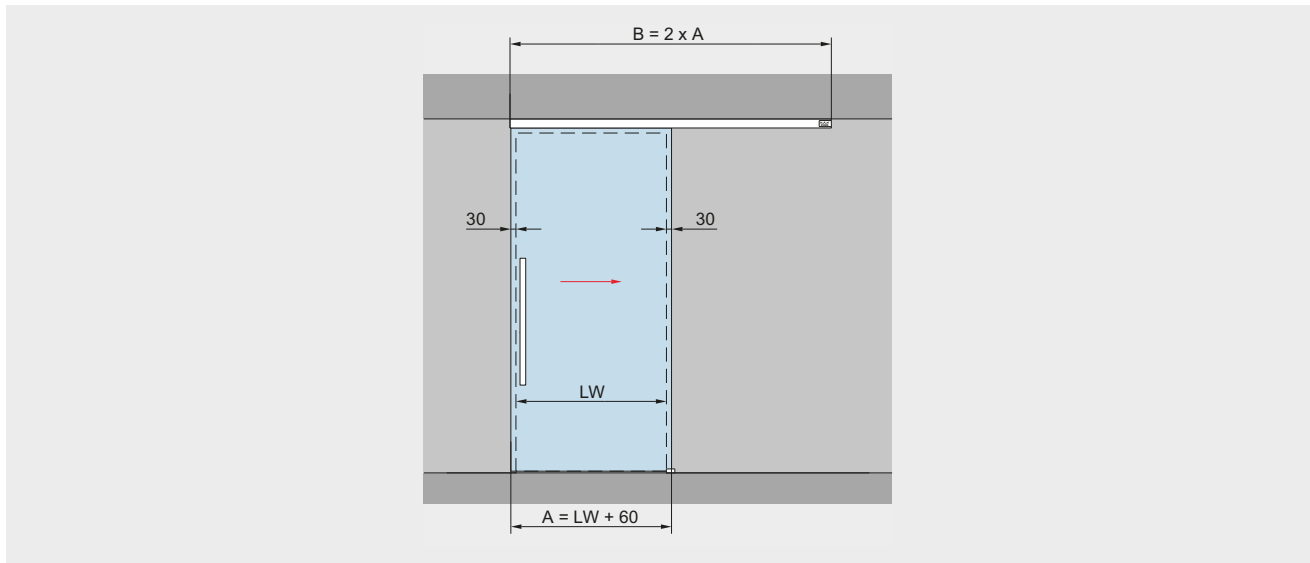


Fixed at wall	Features and data	Glass thickness
	For installation with one door panel	8 – 12 mm
	<b>Max. weight of door panels</b> 60 kg	
	<b>Calculation of glass height</b> $GH1 = LH + X + 6 \text{ mm}$ max. 2,500 mm	
	<b>Calculation of glass width</b> $A = LW + 60 \text{ mm}$ min. 660 mm (after consultation: min. 400mm possible) max. 1,300 mm min. 600 mm with DORMOTION (after consultation: min. 550 mm possible) max. 1,300 mm	

A = Glass width  
 B = Length of track  
 GH1 = Glass height sliding door  
 H = Total height  
 LH = Clear opening height

LW = Clear opening width  
 t1 = Glass thickness sliding door  
 Y = 55 mm – (14 mm + t1)  
 X = Freely selectable protrusion  
 (depending on structural conditions)

# Type illustrations ceiling installation

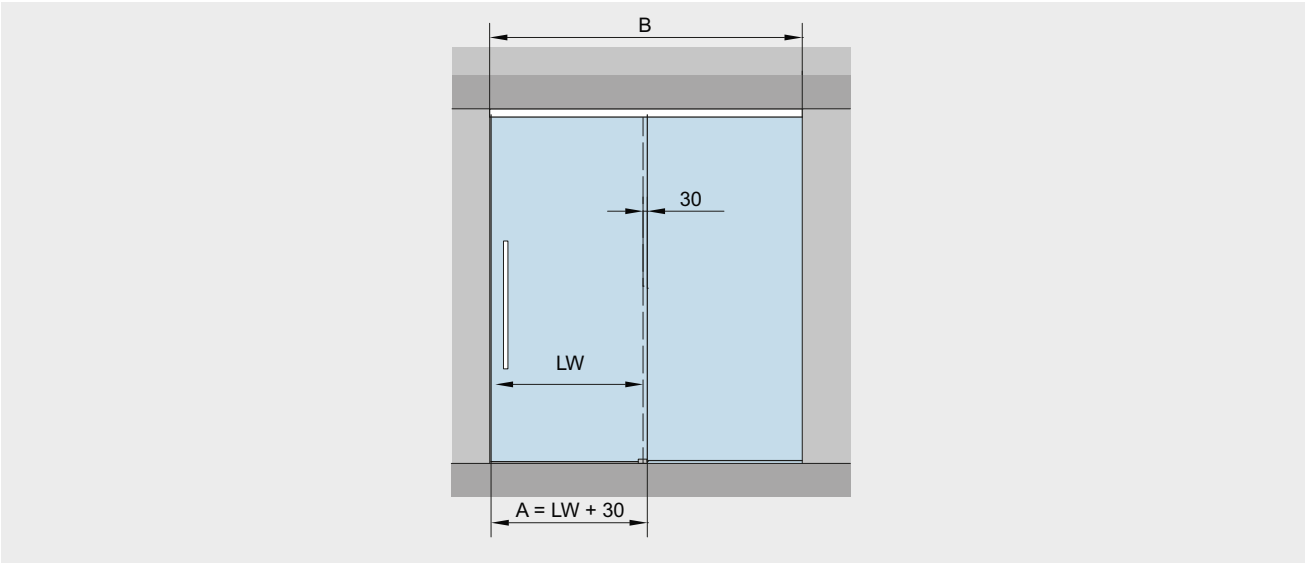


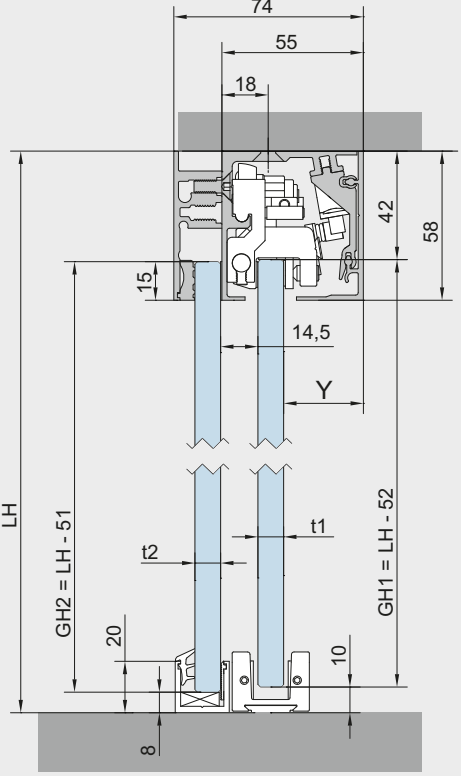
Fixed at ceiling	Features and data	Glass thickness
<p>Diagram illustrating the ceiling installation of the MUTO Comfort M 60 sliding door. The diagram shows a cross-section of the door frame and the glass panel. The width of the glass panel is labeled <math>LW</math>. The width of the frame is labeled <math>A = LW + 60</math>. The total width of the frame is labeled <math>B = 2 \times A</math>. The height of the frame is labeled <math>30</math> on both sides. A red arrow indicates the direction of movement.</p>	<p>For installation with one door panel</p> <p><b>Max. weight of door panels</b> 60 kg</p> <p><b>Calculation of glass height</b>  <math>GH1 = H - 52 \text{ mm}</math>  max. 2,500 mm</p> <p><b>Calculation of glass width</b>  <math>A = LW + 60 \text{ mm}</math>  min. 600 mm  (after consultation: min. 400mm possible)  max. 1,300 mm  min. 600 mm with DORMOTION  (after consultation: min. 550 mm possible)  max. 1,300 mm with DORMOTION</p>	8 – 12 mm

A = Glass width  
B = Length of track  
GH1 = Glass height sliding door  
H = Total height

LH = Clear opening height  
LW = Clear opening width  
t1 = Glass thickness sliding door  
Y = 55 mm – (14 mm + t1)

# Type illustrations with side panel, on one side

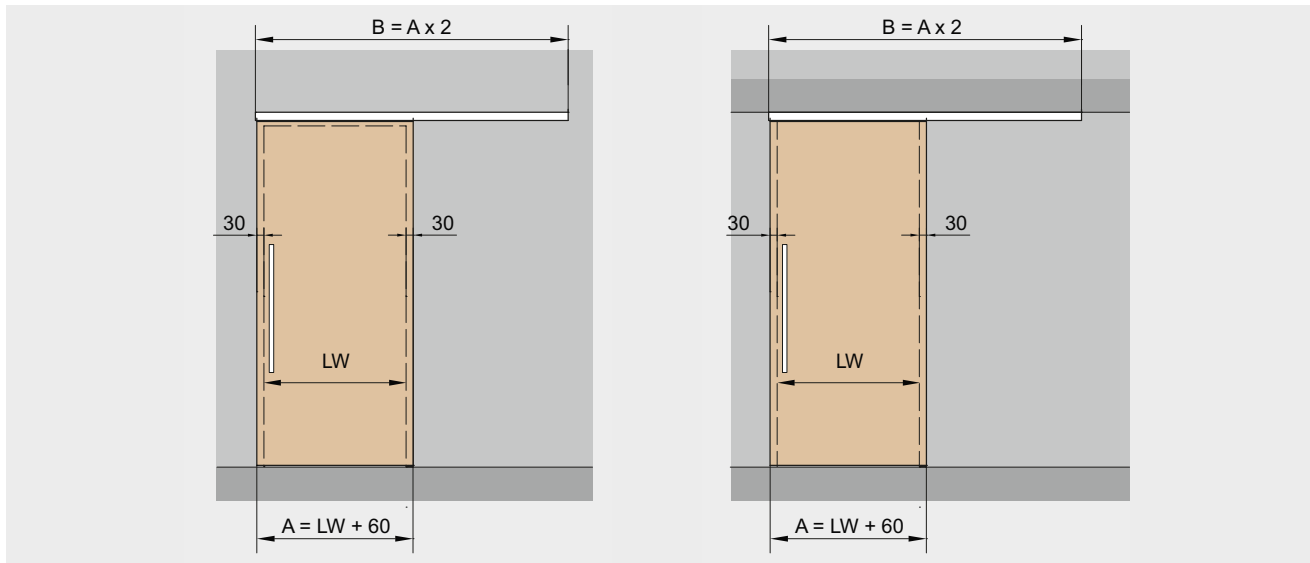


Fixed at ceiling	Features and data	Glass thickness
	<p>For installation with one door panel</p> <p><b>Max. weight of door panels</b> 60 kg</p> <p><b>Calculation of glass height</b> GH1 = LH - 52 GH2 = LH - 51 max. 2,500 mm</p> <p><b>Calculation of glass width</b> A = LW + 30 mm min. 600 mm (after consultation: min. 400mm possible) max. 1,300 mm min. 600 mm with DORMOTION (after consultation: min. 550 mm possible) max. 1,300 mm</p>	8 – 12 mm

- A = Glass width
- B = Length of track
- GH1 = Glass height sliding door
- GH2 = Glass height sidelight
- H = Total height
- LH = Clear opening height

- LW = Clear opening width
- S = Glass width sidelight
- t1 = Glass thickness sliding door
- t2 = Glass thickness sidelight
- Y = 55 mm - (14 mm + t1)

# Type illustrations for timber door applications

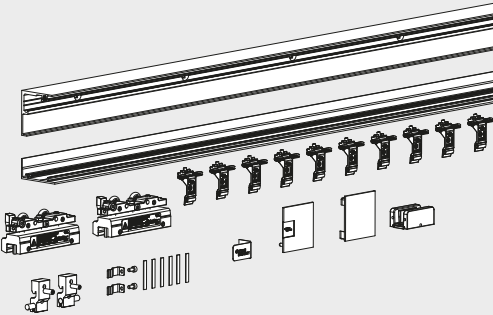
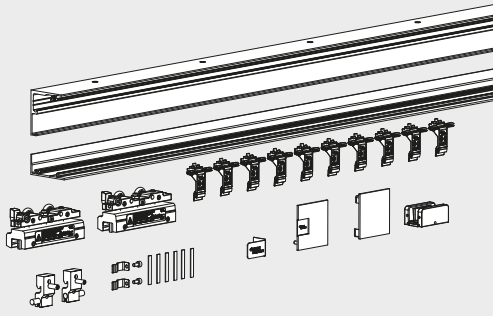


Fixed at wall	Fixed at ceiling	Features and data	Wood thickness
		<p>For installation with one door panel</p> <p><b>Max. weight of door panels</b> 60 kg</p> <p><b>Calculation of door height fixed at wall</b> <math>TH = LH + X - 17</math> max. 2,500 mm</p> <p><b>Calculation of door height fixed at ceiling</b> <math>TH = LH - 75</math> max. 2,500 mm</p> <p><b>Calculation of door width</b> <math>A = LW + 60</math> mm min. 600 mm (after consultation: min. 400 mm possible) max. 1,300 mm min. 600 mm with DORMOTION (after consultation: min. 550 mm possible) max. 1,300 mm</p>	28 – 50 mm
* Timber door 100 mm solid wood for connection at timber adapter			

A = Glass width  
B = Length of track  
H = Total height  
LH = Clear opening height

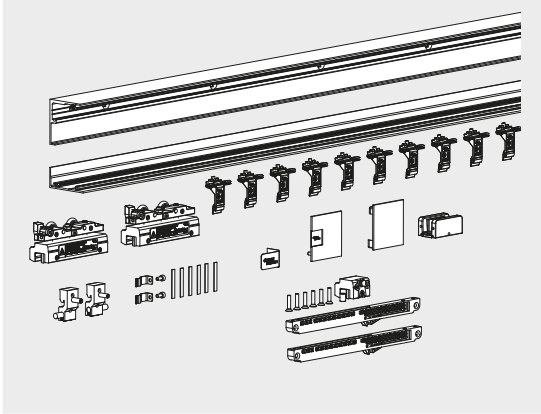
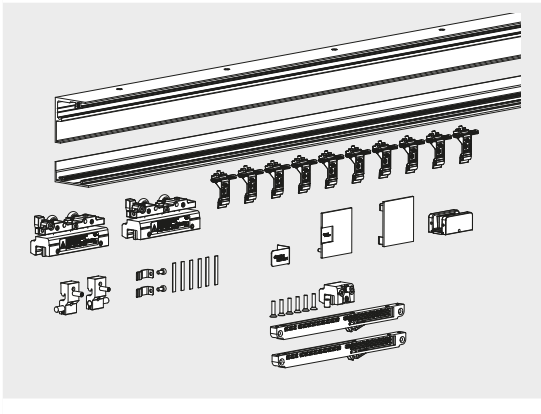
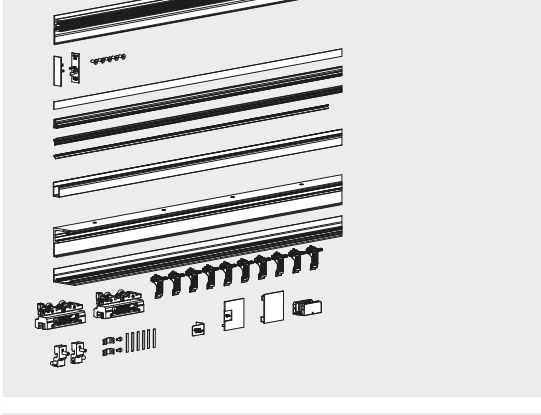
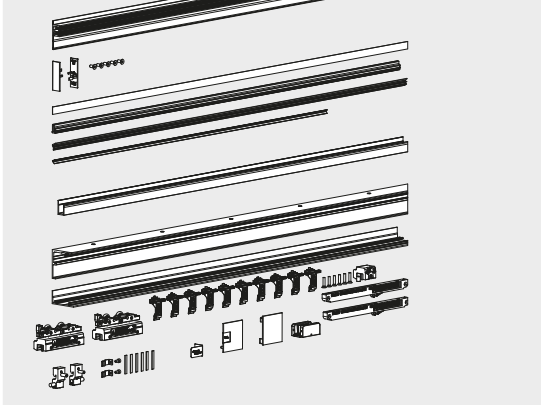
LW = Clear opening width  
TH = Door height  
u = Wood thickness  
X = Freely selectable protrusion (depending on structural conditions)

## Complete sets - defined lengths

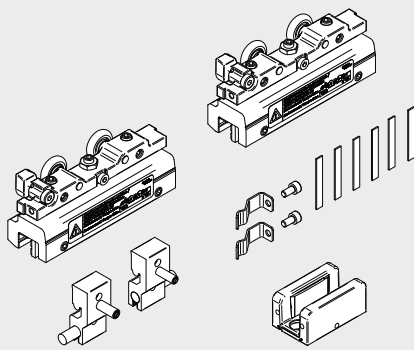
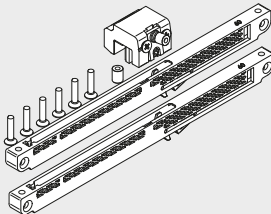
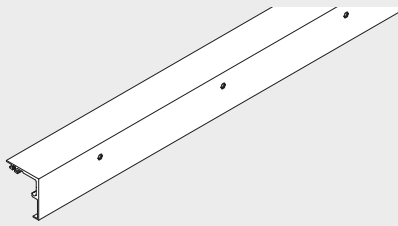
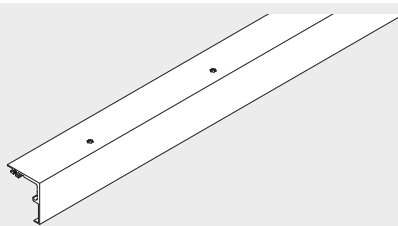
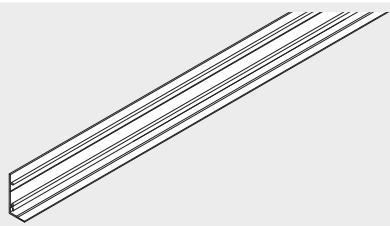
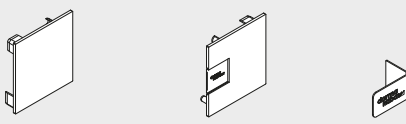
	Features and data	Panel width	Profile length	Glass thickness	Art. No.
	<b>MUTO Comfort M 60 Set prepared for DORMOTION wall installation</b> incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	<b>36.670</b> <b>36.671</b>
	<b>MUTO Comfort M 60 Set incl. DORMOTION wall installation</b> incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	<b>36.676</b> <b>36.677</b> not illustr. not illustr.
	max. 60 kg				
	<b>MUTO Comfort M 60 Set prepared for DORMOTION ceiling installation</b> incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	<b>36.672</b> <b>36.673</b>
	<b>MUTO Comfort M 60 Set incl. DORMOTION ceiling installation</b> incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	<b>36.678</b> <b>36.679</b> not illustr. not illustr.
	max. 60 kg				

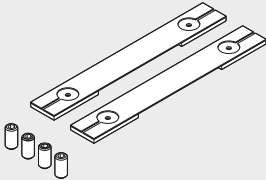
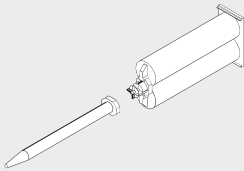
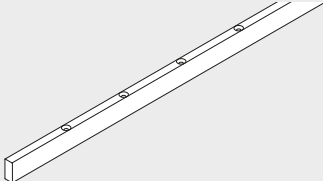
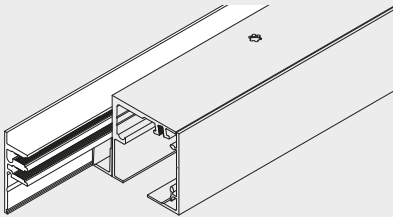
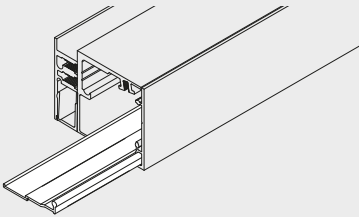
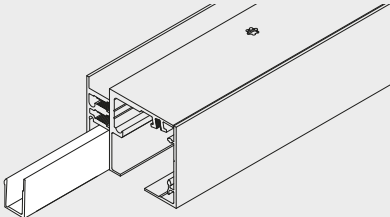


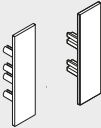
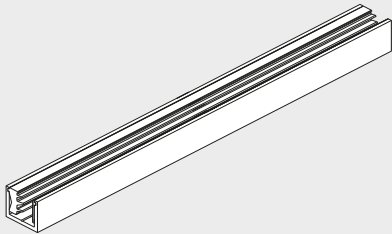
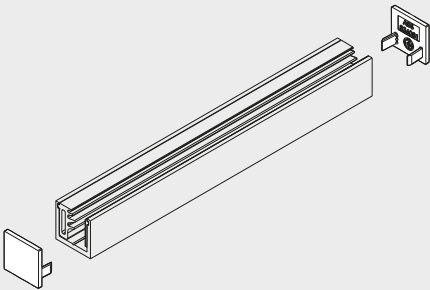
# Complete sets - individual lengths

	Features and data	Glass thickness	Art. No.
	<b>MUTO Comfort M 60 Set</b> <b>prepared for DORMOTION</b> wall installation <b>individual profile length</b> up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap	8 – 12 mm	<b>36.674</b> not illustr.
	<b>MUTO Comfort M 60 Set</b> <b>incl. DORMOTION</b> wall installation <b>individual profile length</b> up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap  max. 60 kg	8 – 12 mm	<b>36.680</b>
	<b>MUTO Comfort M 60 Set</b> <b>prepared for DORMOTION</b> ceiling installation <b>individual profile length</b> up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap	8 – 12 mm	<b>36.675</b> not illustr.
	<b>MUTO Comfort M 60 Set</b> <b>incl. DORMOTION</b> wall installation <b>individual profile length</b> up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap  max. 60 kg	8 – 12 mm	<b>36.681</b>
	<b>MUTO Comfort M 60 Set</b> <b>prepared for DORMOTION</b> ceiling installation <b>individual profile length</b> up to max. 5,940 mm incl. track profile, cover and sidelight profile, filling profile, accessory set, end cap, view protection profile must be ordered separately  max. 60 kg	8 – 12 mm	<b>36.682</b>
	<b>MUTO Comfort M 60 Set</b> <b>incl. DORMOTION</b> ceiling installation <b>individual profile length</b> up to max. 5,940 mm incl. track profile, cover and sidelight profile, filling profile, accessory set, end cap, view protection profile must be ordered separately  max. 60 kg	8 – 12 mm	<b>36.683</b>

# Component parts

	Features and data	Art. No.
	<b>Accessory set</b> Consisting of: 2 Clamp carriers 2 Endstops 1 Floor guide	36.691
	<b>DORMOTION unit</b> Panel width min. 600 mm (after consultation min. 550 mm possible) for max. 60 kg, incl. starter	36.693 <b>Optional</b>
	<b>Track rail</b> <b>for wall installation</b>  stock length 6,000 mm fixed length	36.684 36.687
	<b>Track rail</b> <b>for ceiling installation</b>  stock length 6,000 mm fixed length	36.685 36.688
	<b>Cover profile</b>  stock length 6,000 mm fixed length	36.686 36.689
	<b>MUTO Comfort M 60</b> <b>Set endcaps</b> <b>for wall and ceiling installation</b>	36.692

	Features and data	Art. No.
	<b>MUTO Comfort M 60 LSG set</b> Accessory set for use with LSG for one pair of clamp carrier Consisting of: 2 Gaskets 4 Injector screw Please order the LSG glue 07.631 separately	36.939
	<b>Special adhesive and nozzle for use with LSG</b>	07.631
	<b>MUTO Comfort M 60 Timber adapter profile</b> 10 x 23 mm, incl. accessories (with timber floor guide) 1,310 mm fixed length	36.941
	<b>MUTO Comfort M 60 + L 80 Side light profile</b> 58 mm height, with gaskets, for 8 – 13.5 mm glass When installing between two walls, please give particular attention to the width of the end covers (each 2 mm). stock length 6,000mm fixed length	36.271 36.274
	<b>MUTO M 60 View protection profile</b> for sidelight profiles stock length 6,000mm fixed length	36.694 36.695
	<b>MUTO Filling profile</b> for Comfort M, L, Premium XL and Self-Closing, for side light profile stock length 6,000mm fixed length	36.802 36.803

	Features and data	Glass thickness	Art. No.
	<b>MUTO Comfort M 60 + L 80</b> <b>End caps</b> for sidelight profile, 58 mm height each 2 mm width (When installing between two walls, please give particular attention to it.)		<b>36.273</b>
	<b>MUTO</b> <b>Floor profile</b> for Comfort M + L and Premium XL, for fixing side light, with gaskets, incl. end caps stock length 6,000mm fixed length	8 – 13,5 mm	<b>36.810</b> <b>36.811</b>
	<b>MUTO</b> <b>End caps (2 pieces)</b> for Comfort M + L and Premium XL, for floor profile, for fixing side light		<b>36.812</b>

# Safety-related information

Important safety-related information for the mounting and use of dormakaba glass fittings. (Follow these instructions in addition to the mounting and operating instructions in order to avoid damage of product and damage to person or property.) Important: All users have to be informed about relevant points mentioned in these safety-related information and the mounting and operating instructions!

## General information

1. dormakaba recommends using TSG-H (heat soaked toughened safety glass) to DIN EN 12150-1.
2. dormakaba glass fittings are not suitable for application in rooms where chemicals (e. g. chlorine) are used such as indoor swimming pools, saunas or salt-water pools.
3. Never move sliding panels faster than walking speed and always stop the door manually before it reaches end position.
4. Do not shut swing doors with excessive force. Install door stop to prevent door from opening too far.

## Mounting

1. Only properly qualified and specially trained staff is authorised to mount dormakaba glass fittings.
2. Never use glass with conchoidal fractures and/or damaged edges.
3. Due to crushing hazards – among others in the area of the secondary closing edge – and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
4. Clean clamping area with fat solvent (standard commercial cleaning agent) before mounting the glass fitting.
5. Never use clamping shoes on structured glass surfaces (except on satined glass) or glass of heavily varying thickness unless with a corresponding levelling layer.
6. Never use clamping shoes on self-cleaning coatings.
7. When adjusting glass elements, always stick to the required clearance for the respective fitting. Adjust clearance so that the glass does not touch hard components such as glass, metal or concrete.
8. Make sure not to use excessive force when installing the glass (avoid local stress resulting from very tight screws).

## Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment.

Especially highly-frequented door systems require inspection by properly qualified staff (specialised companies or installation firms). Immediately replace damaged glass elements (no glass flaking and/or conchoidal fractures)!

## General care instructions

The surface finishes of the fittings are not maintenance-free and should be cleaned according to their material and design.

- For metallic surfaces (anodised finishes, stainless steel) please use appropriate cleaning agents without abrasive additives only.
- For varnished surfaces please use appropriate solvent-free cleaning agents only.
- Brass surfaces (without surface protection) have to be treated with an appropriate maintenance agent on occasion, to avoid tarnishing.

The printed colours indicating the surface finishes are not 100 % true, but do provide a useful guide. Statements made with regard to the nature or use of the products are for the purposes of descriptions. Assent with regard to the existence of particular properties or particular uses always requires special written agreement. Pictures may show special designs which are different to the standard scope of delivery.

Subject to change without notice.

