



Manual Sliding Door Systems

Technical brochure 2020

MUTO
RS 120/
RS 120 Synchro
MANET Compact/
Concept
RSP 80

dormakaba 

Content



06 **MUTO**
Manual sliding door system with track system integrated functional elements



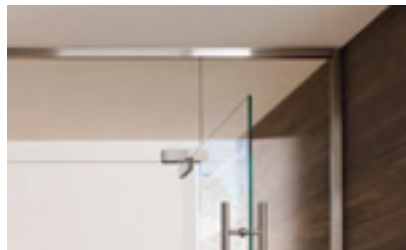
116 **RS 120**
Manual sliding door system with clamp fittings and cover profile



126 **MANET**
Single-point fitting system, stainless steel, for manual sliding doors



166 **RSP 80**
Manual sliding door system with single-point fittings, aluminium



172 **Wall connection profile**
Bearing wall connecting profile system



178 **Accessories**



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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	●	●	●	
2 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	●	●	●	
System integration of fixed side panels	●	●	●	
Timber sliding door possible	●	●	●	
Curved systems				
Panel attachment with no glass preparation ¹⁾	●	●	●	
Max. sliding panel weight	60 kg	80 kg	80 / 150 kg	
Min. sliding panel width (mm)	without DORMOTION with DORMOTION	600 ^{3) 6)} 600 ^{3) 6)}	660 ³⁾ 660	660 ³⁾ 810 / 1,020 ³⁾
Max. sliding panel width (mm)	1,300	1,500 (max. 2,000) ⁷⁾	1,500 (max. 2,500) ⁷⁾	
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 ^{4) 5)}	TSG / LSG ^{4) 5)}	TSG / LSG ^{4) 5)}	
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	
Page	22	32	50	

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

RS 120

Robust clamp-type carriers designed for glass or timber panels up to 120 kg. The visible system surface and finish is achieved on the basis of clip-on cover profiles.

MANET

With its flexible modular system, MANET offers designers plenty of scope in planning spatial configurations. The basic module is the single-point fixing inserted in countersunk holes to ensure that it is flushed with the glass surface – just one of its visual highlights.

RSP 80

This sliding door system comes with a visible roller assembly capable of carrying glass or timber door panels of up to 80 kg suspended from the track. A plastic running surface ensures a particularly smooth and quiet operation.

MUTO Premium Self-Closing 120	MUTO Premium Telescopic 80	RS 120	MANET Compact	MANET Concept	RSP 80
●	●	●	●	●	●
●	●	●			
●	● (2 panels, move in sync)	●	●	●	●
●	● (2+2 panels, move in sync)	●	●	●	●
●	●				
●	●				
●	●				
●	●				
		●			
	●				
●	●				
●	●	●	●	●	●
●	●		●	●	○
●	●	●		●	
●	●		●	●	
●	●			●	
●	●	●	●	●	
●	●	●		●	●
				●	
●	●	●			
120 kg	2 x 80 kg	120 / 150 kg	100 kg	120 kg	80 kg
660 ³⁾	from page 92 onwards	500 ³⁾	500 ³⁾	500 ³⁾	500 ³⁾
850 ³⁾					
1,500 ⁸⁾	from page 92 onwards	1,500 ⁷⁾	1,200 ⁷⁾	1,500 ⁷⁾	1,200 ⁷⁾
3,000	3,000	3,000	2,500	3,000	2,500
8 – 13.5	8 – 13.5	8, 10, 12	8, 10, 12	8 – 17.5	8, 10
TSG / LSG ^{4) 5)}	TSG / LSG ^{4) 5)}	TSG	TSG	TSG / LSG	TSG
28 – 50	28 – 50	26 – 38		20 – 40	25 – 40
8 – 13.5	8 – 13.5		10, 12	10 – 17.5	
70	88	116	126	136	166

7) For other possible glass panel widths, please consult our application technology department. The glass dimensions may differ due to the following factors: type of installation, glass tolerances, general usage considerations.

8) Max. travel 1,450 mm

● Standard
○ Optional

Content

MUTO

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General information

- Features / Benefits
- Laminated safety glass
- Program overview
- Feasible panel width

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MUTO Comfort M 60

- Type illustrations
- Fitting modules
- Component parts

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MUTO Comfort L 80

- Type illustrations
- Fitting modules
- Component parts

50

MUTO Premium XL 80/150

- Type illustrations
- Fitting modules
- Component parts

70

MUTO Premium Self-Closing 120

- Type illustrations
- Fitting modules
- Component parts

88

MUTO Premium Telescopic 80

- General information
- Type illustrations
- Component parts

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Accessories

195

Safety-related information



MUTO

General information

MUTO

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

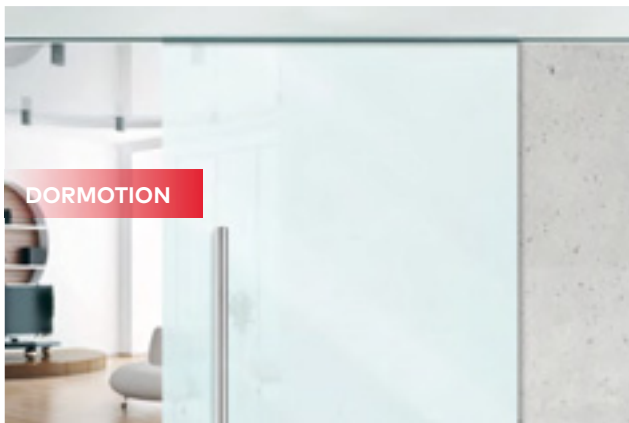
Weight classes

- 60 kg
- 80 kg
- 150 kg

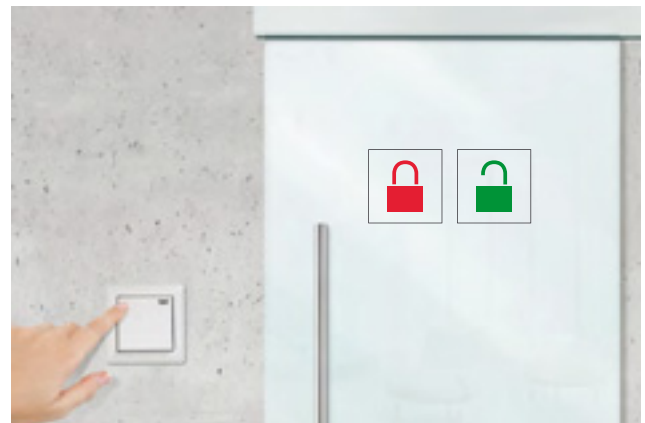
Activity rate, longevity

- ≥ 50,000 cycles at 60 kg variant
- ≥ 100,000 cycles at 80 kg variant
- ≥ 200,000 cycles at 80/150 kg variant
- Self-Closing, max. 120 kg
- Telescopic, max. 2 x 80 kg

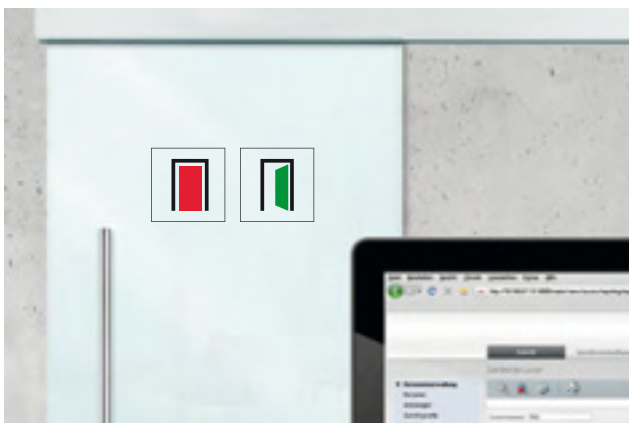
DORMOTION – the elegant damping mechanism



Integrated electromechanical lock – discretion assured



Status indicator – everything under control



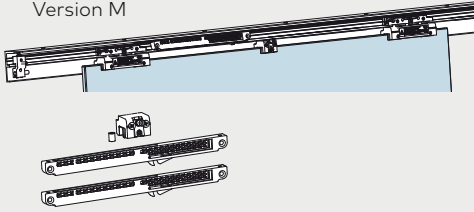
Self-Closing – hassle-free



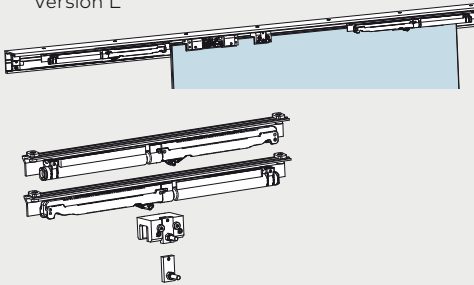
Retrofittable and safe

Product description

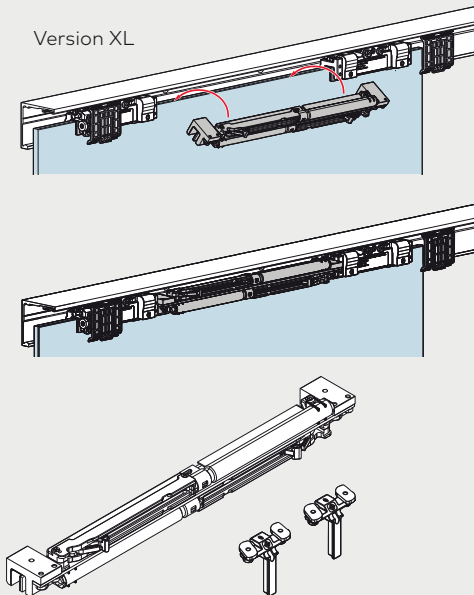
Version M



Version L



Version XL

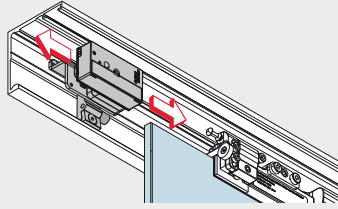


DORMOTION Comfort M, L, Premium XL (damping mechanism)

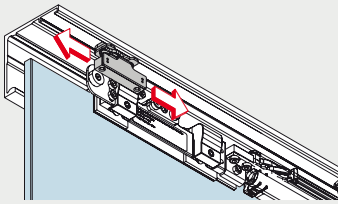
- Retrofittable in existing systems
(without the need for disassembly)

When using a DORMOTION damping unit,
we recommend installation of a pull handle.

Product description



Locking device



Status indicator

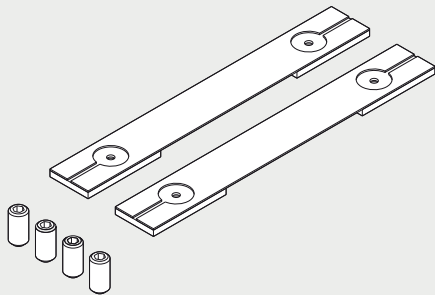
Integrated lock and status indicator

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

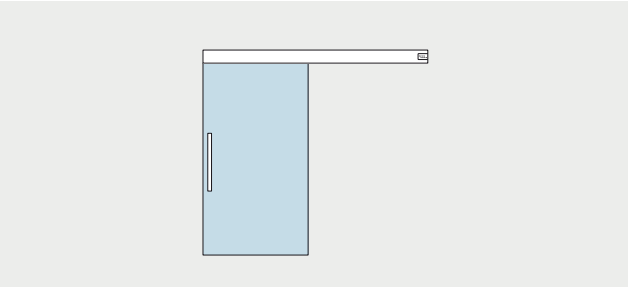


Secure hold for laminated safety glass without any mechanical glass preparation thanks to Clamp&Glue technology

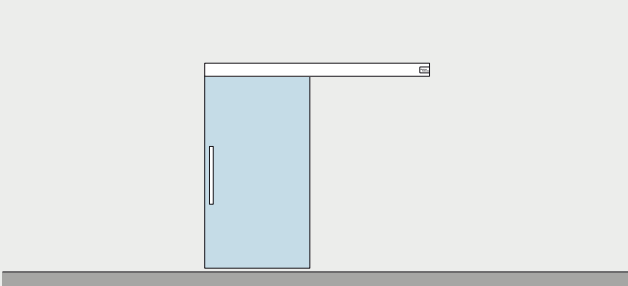
- Easy retrofitting of the carriers with LSG accessory set
- No unwanted LSG phenomena:
 - No bubble formation
 - No laminate slippage
 - No glass fracture as a result of excessive clamping forces
 - No negative influence of temperature change (foil disappears)
- Applies to the following "Comfort" systems: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

Installations

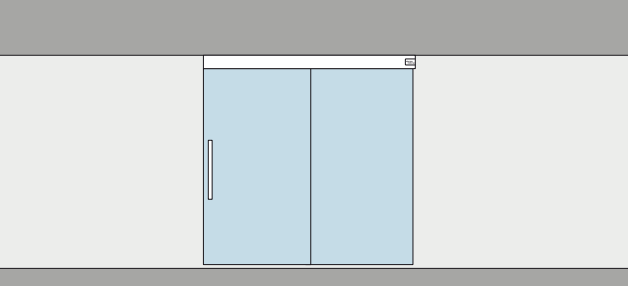
With one sliding panel



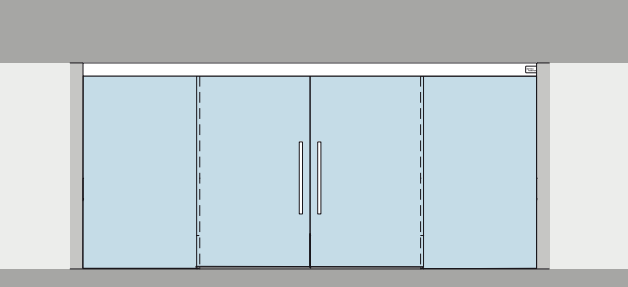
Fixed at wall



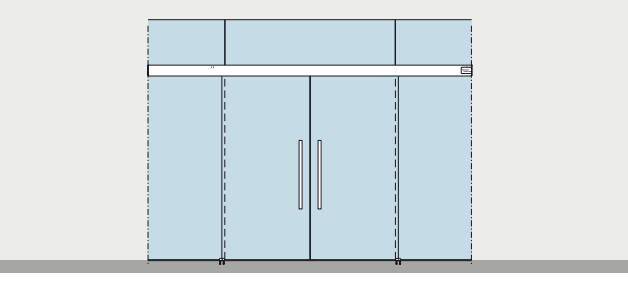
Fixed at transom with sidelight



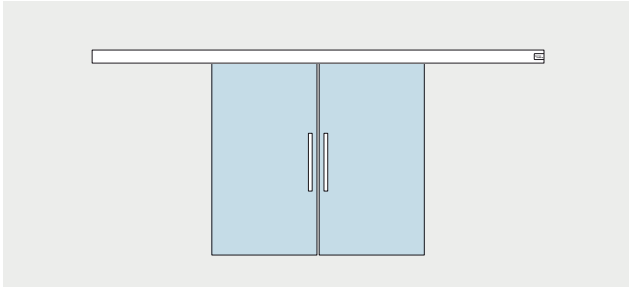
Fixed at ceiling with sidelights



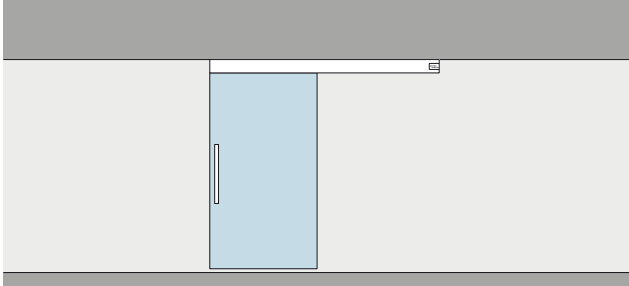
Fixed at glass – with glass fanlight and glass sidelights



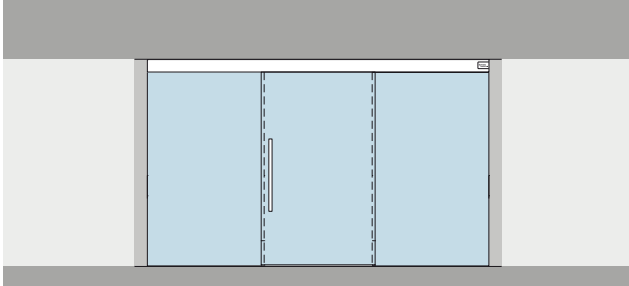
With two sliding panels



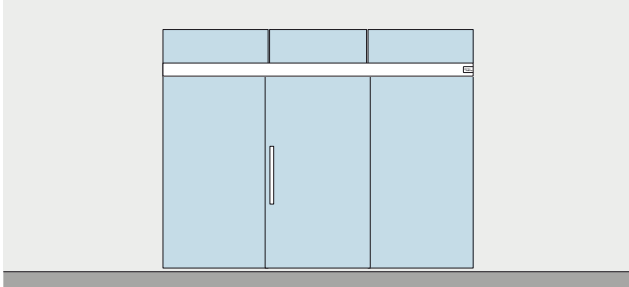
Fixed at ceiling



Fixed at transom with sidelight

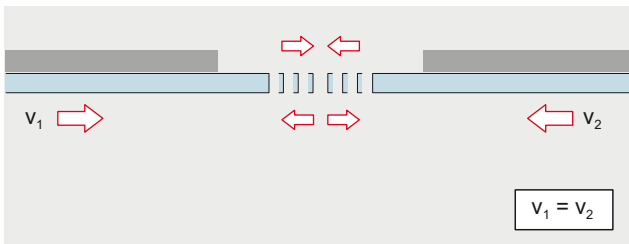
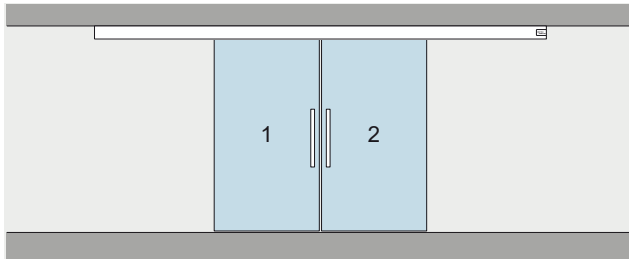


Fixed at glass – with glass fanlight and glass sidelights

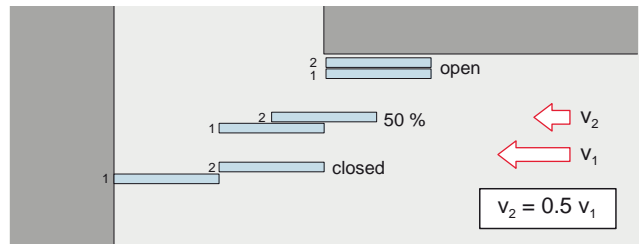
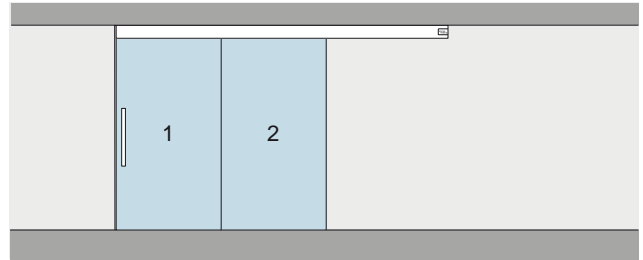


Functionalities

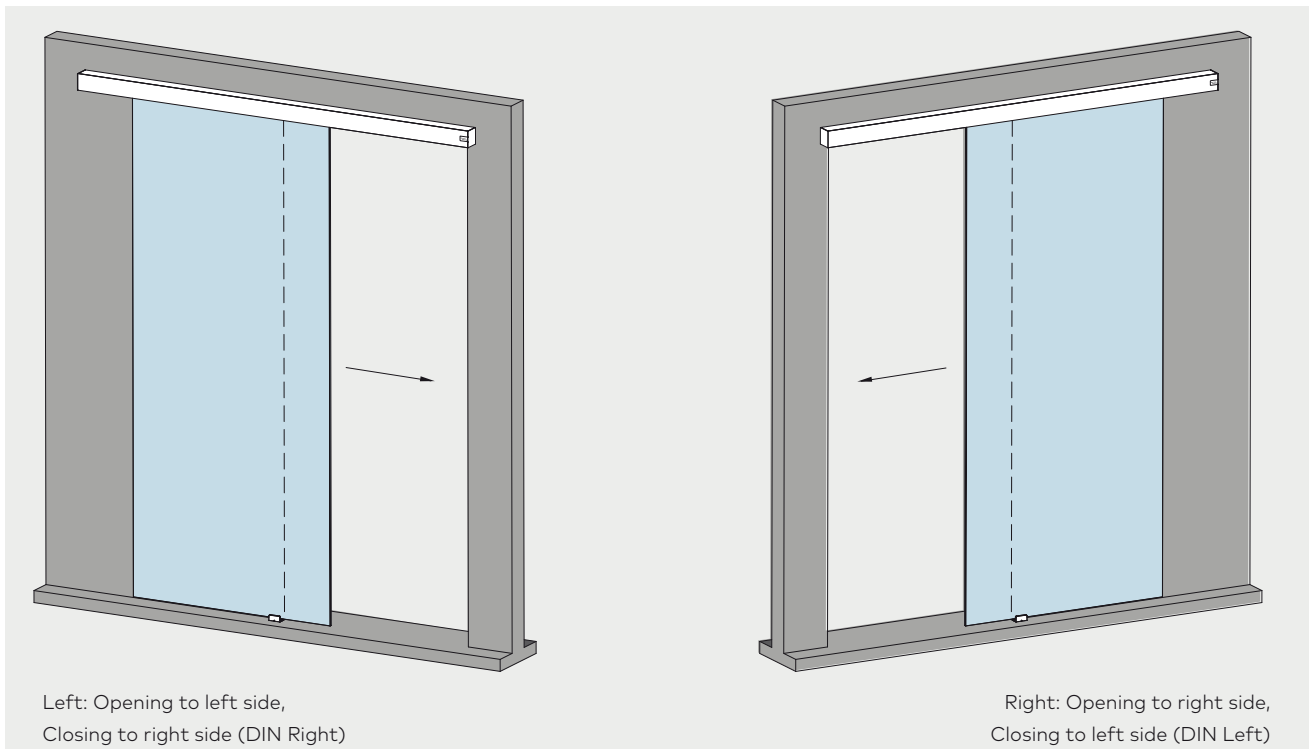
Synchro



Telescopic



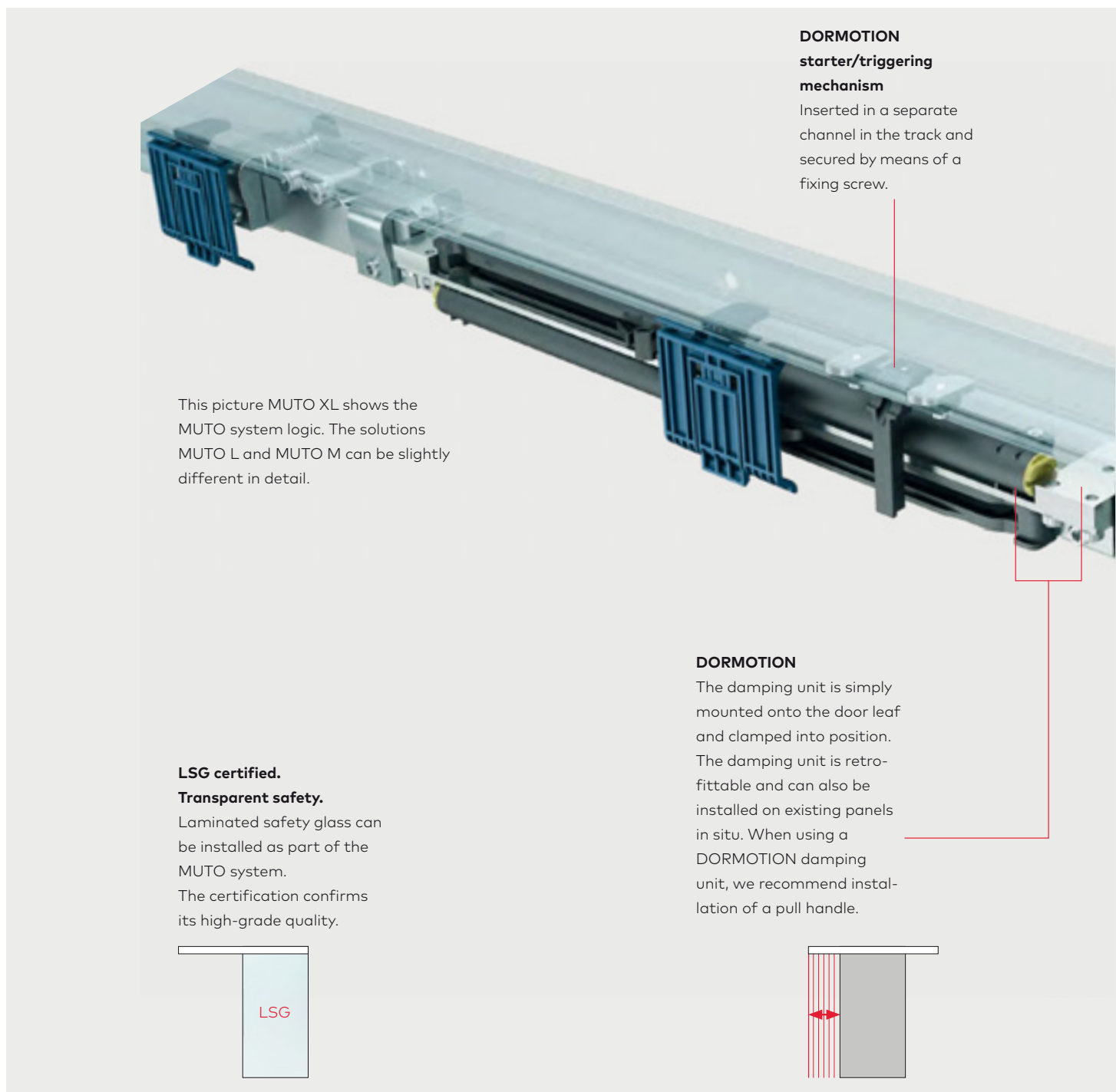
Self-Closing/Telescopic



Space for your notes

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/trigging mechanism

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

LSG certified.

Transparent safety.

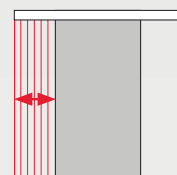
Laminated safety glass can be installed as part of the MUTO system.

The certification confirms its high-grade quality.



DORMOTION

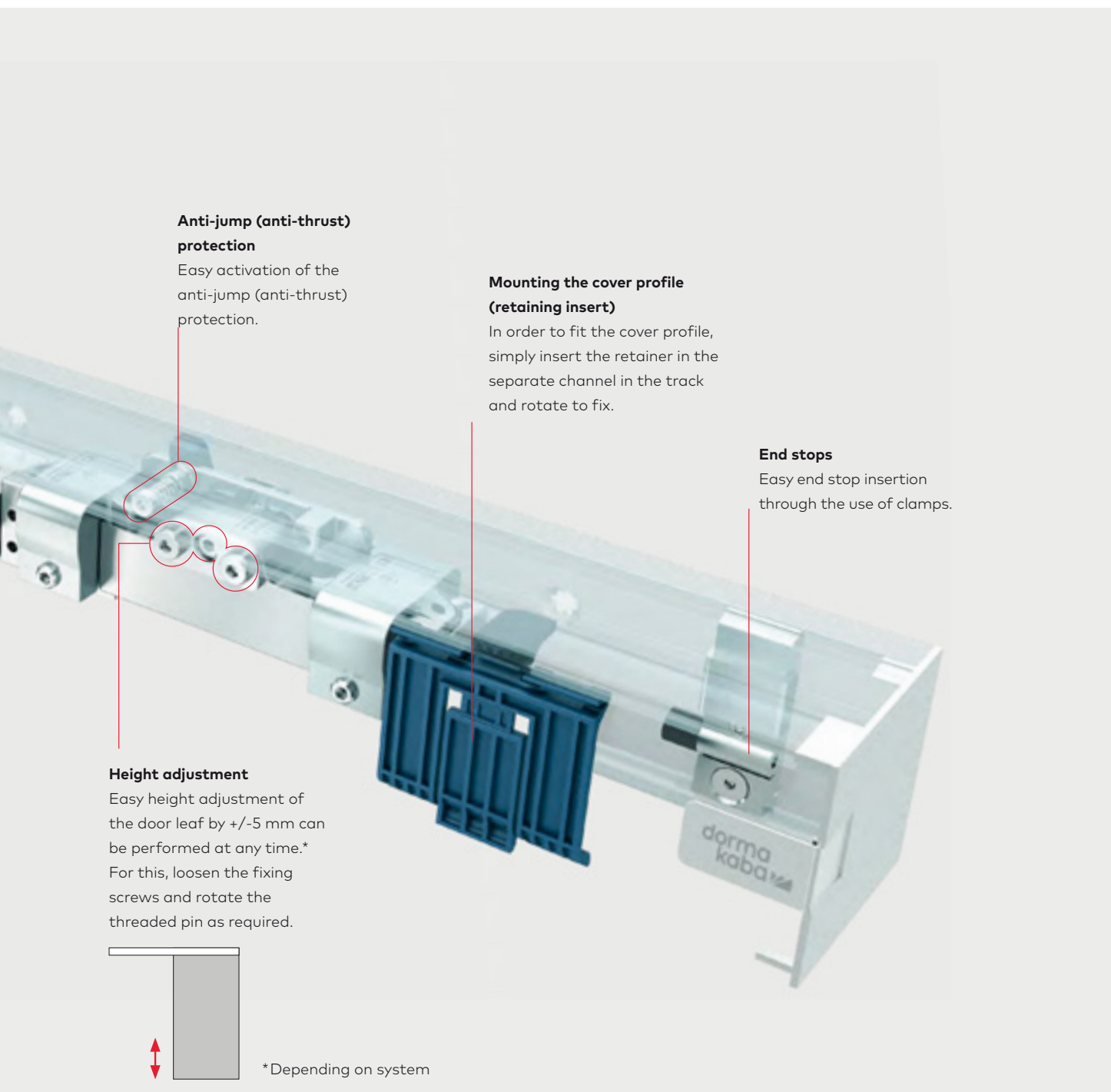
The damping unit is simply mounted onto the door leaf and clamped into position. The damping unit is retro-fittable and can also be installed on existing panels in situ. When using a DORMOTION damping unit, we recommend installation of a pull handle.



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

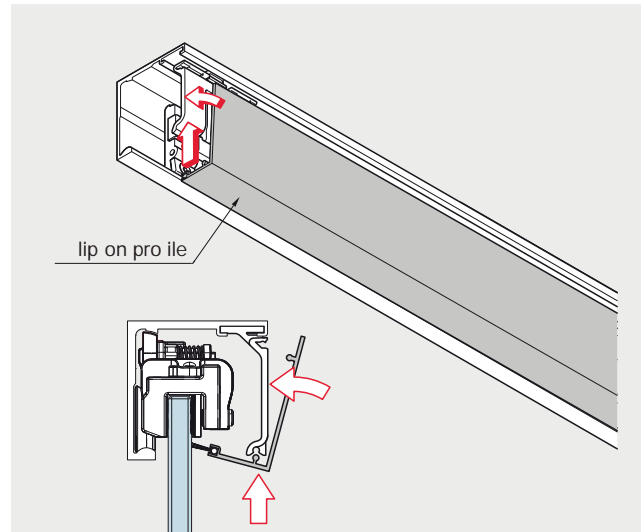
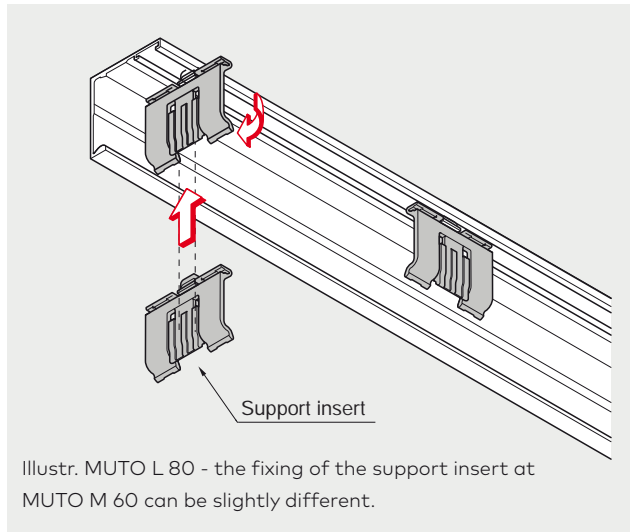
Benefits at a glance

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

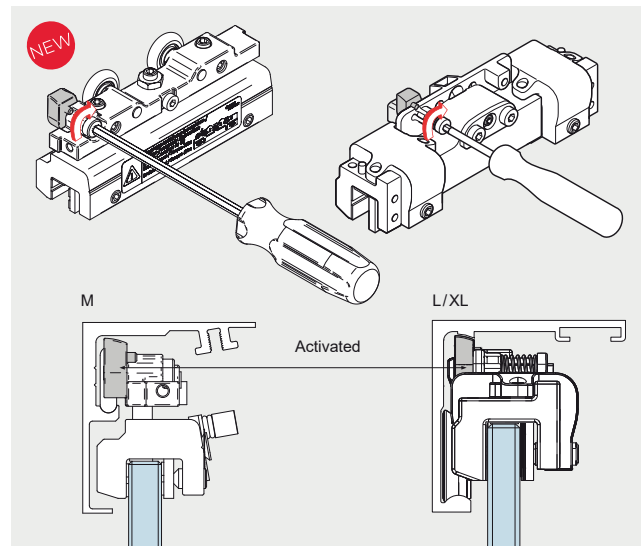
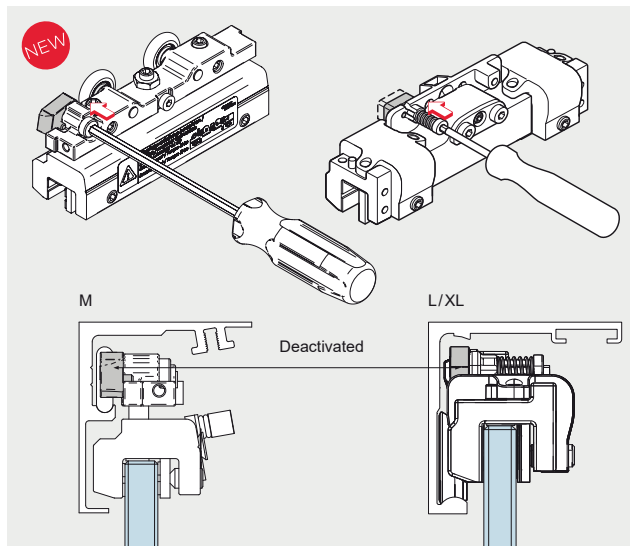


Advantages at installation

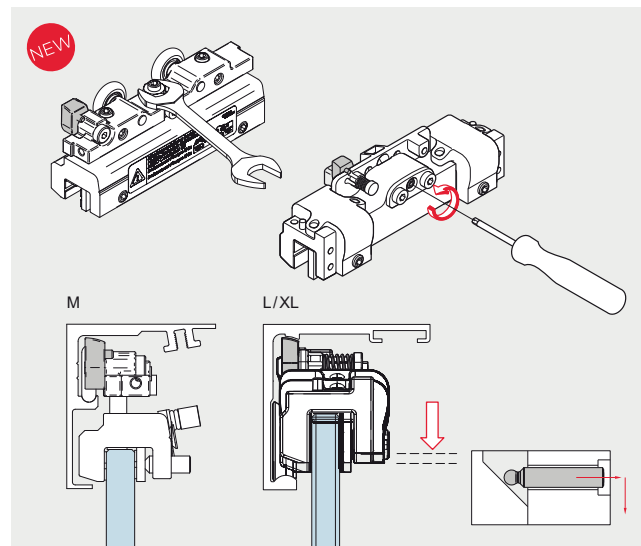
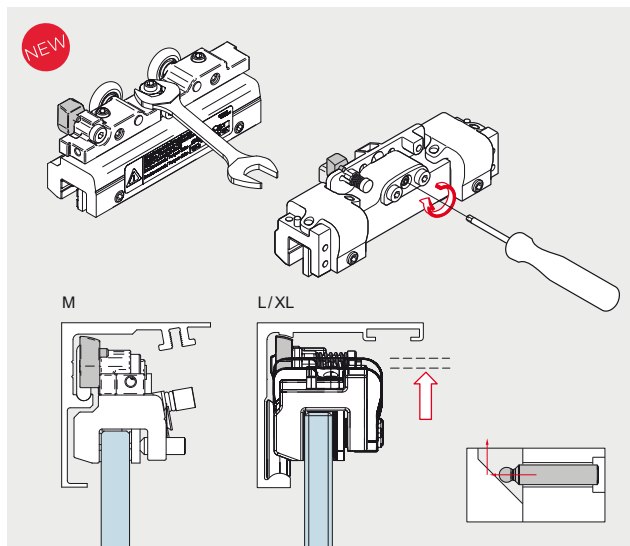
Cover profile



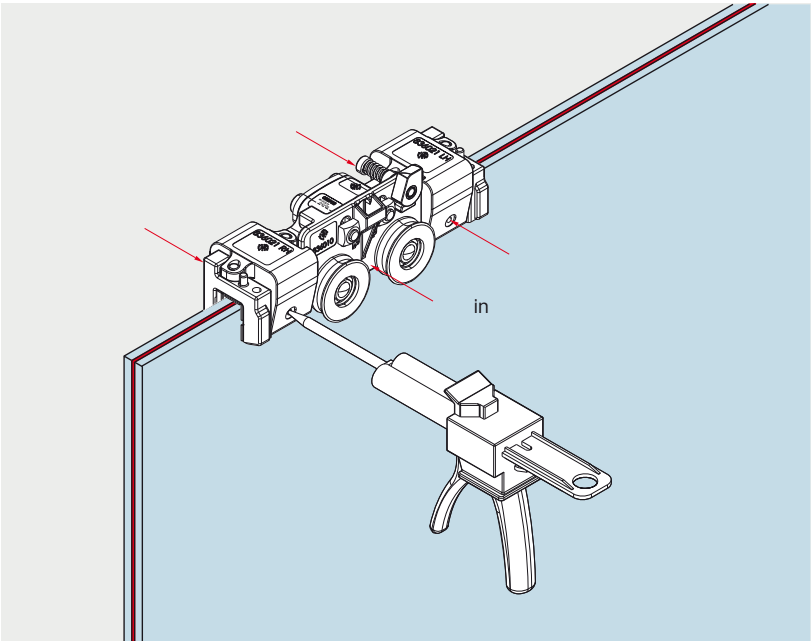
Anti-jump device – carriers: MUTO Comfort M, L, Premium XL, Self-Closing and Telescopic



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



Clamp&Glue technology

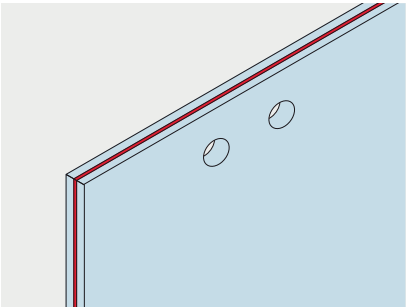


dormakaba Clamp&Glue technology provides the possibility to keep the advantages and – at the same time – to eliminate the potential issues of laminated safety glass. The solution for secure hold of the glass panel only needs a minimum of clamping force at the fittings, without any glass preparation.

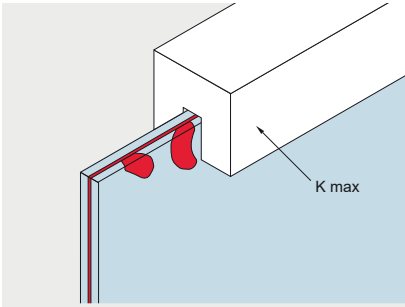
- Carrier sets readily convertible to LSG – make sure you specifically order LSG accessory sets
- High level of safety
- Easy installation
- Improved smoothness of operation
- Integration of sound protection laminate
- Decorative laminates
- Residual load-bearing capacity

MUTO: the following negative phenomena are eliminated with LSG

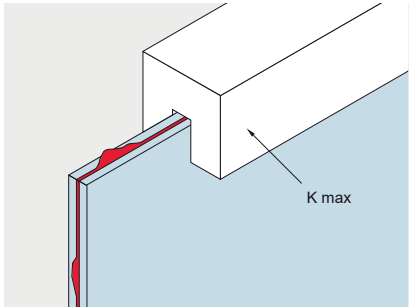
Glass preparation



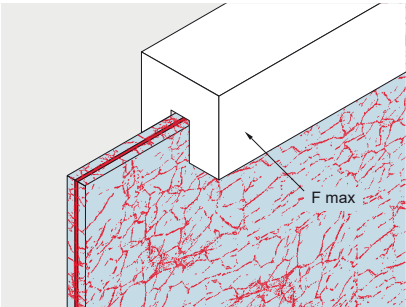
Blister



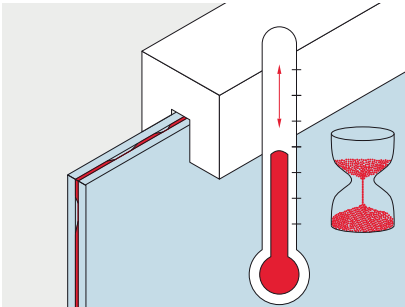
Extrusion of interlayer



Glass crack



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


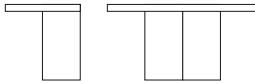



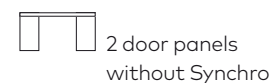
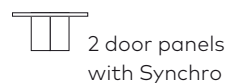
MUTO

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

	 MUTO Comfort M 60	 MUTO Comfort L 80	 MUTO Premium XL 80
Comfort			
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
Basic description			
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
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*
Functionalities			
Adjustable from the front	●	●	●
DORMOTION	No glass preparation	No glass preparation	No glass preparation
Synchro version	–	○	○
Status indicator	–	○	○
Concealed EM locking	–	○ ²⁾	○ ²⁾
Self-Closing	–	–	–



● yes – no ○ optional

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

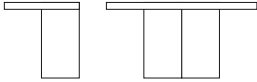
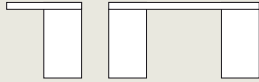
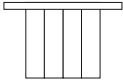
** Further glass panel widths are available, subject to consultation with our Application Engineering department.
The glass dimensions may vary due to the method of fixing and installation, glass tolerances or general usage.

1) Max. travel 1,450 mm

2) In combination with Synchro not possible

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

 MUTO Premium XL 150	 MUTO Premium Self-Closing 120	 MUTO Premium Telescopic 80
W \leq 72 mm H \leq 69 mm	W \leq 100 mm H \leq 69 mm	W \leq 124 mm H \leq 69 mm
W = 91 mm	W = 119 mm	W = 146 mm
W \leq 72 mm H \leq 69 mm	W \leq 100 mm H \leq 69 mm	W \leq 127 mm H \leq 69 mm
20 mm	20 mm	17 mm / 52 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
\leq 3,000 mm	\leq 3,000 mm	\leq 3,000 mm
\leq 1,500 mm**	\leq 1,500 mm ¹⁾	1,200 / 1,000 mm (2x/4x)
+ / - 5 mm	+ / - 5 mm	+ 5 mm / - 3 mm
Class 4	Class 4	Class 4
\geq 200,000	\geq 200,000	\geq 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, Teleskopik

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

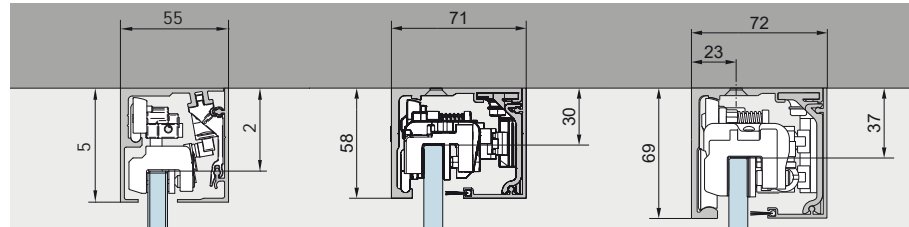
MUTO

Explanation of product names

Profile dimensions
M = 55 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



	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.	540 – 1,240 mm	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. (incl. DORMOTION / with retrofittable lock/status indicator)	600 – 1,300 mm* no lock/ status indicator	660 – 1,500 mm (max. 2,000 mm*)	810 ¹⁾ – 1,500 mm (660 mm ohne DORMOTION) (max. 2.500 mm*)
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

¹⁾ After consultation: lower panel dimensions incl. DORMOTION are possible.
More under "Tips and Tricks" on page 191

Profile dimensions

XL = 72 x 69 mm

Max. door weight

150 kg

Profile dimensions

Self-Closing = 100 x 69 mm

Max. door weight

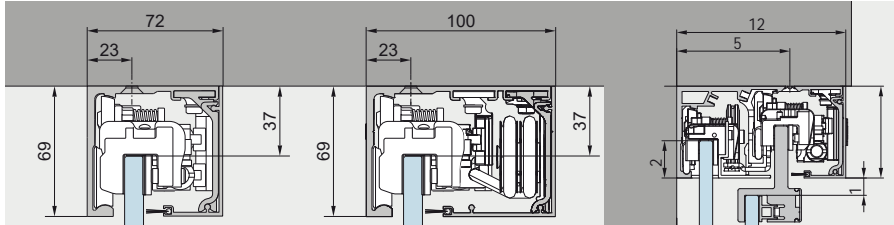
120 kg

Profile dimensions

M = 127 x 69

Max. door weight

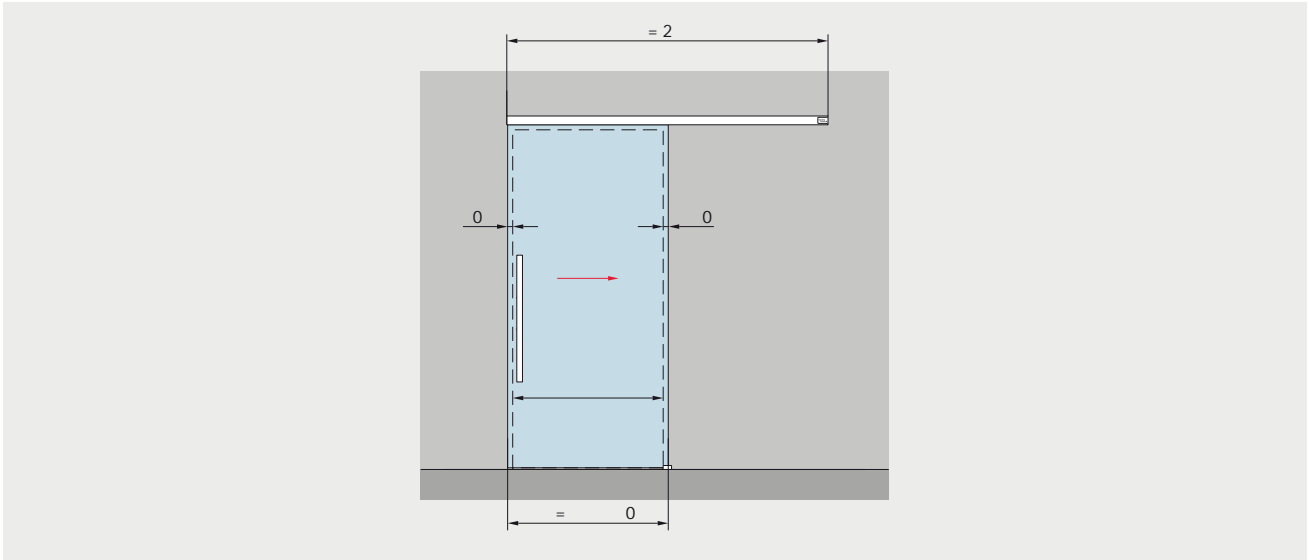
2 x 80 Kg

**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 kg	120 kg	2 x 80 kg
≥ 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 88
LW + 60 mm	LW + 60 mm	see from page 92 onwards
1.020 ¹⁾ – 1.500 mm (660 mm ohne DORMOTION) (max. 2.500 mm*)	–	see page 88
2 x A	2 x A	see from page 92 onwards
2 x A + 67 mm	2 x A + 67 mm	see from page 92 onwards
1,986 – 2,890 mm	1,606 – 2,890 mm	see page 92
LW / 2 + 27 mm	LW / 2 + 27 mm	see from page 92 onwards
1,020 – 1,470 mm	830 – 1,470 mm	see page 92
4 x A – 44 mm	4 x A – 44 mm	see from page 94 onwards
4 x A + 12 mm	4 x A + 12 mm	see from page 97 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.
More under "Tips and Tricks" on page 191

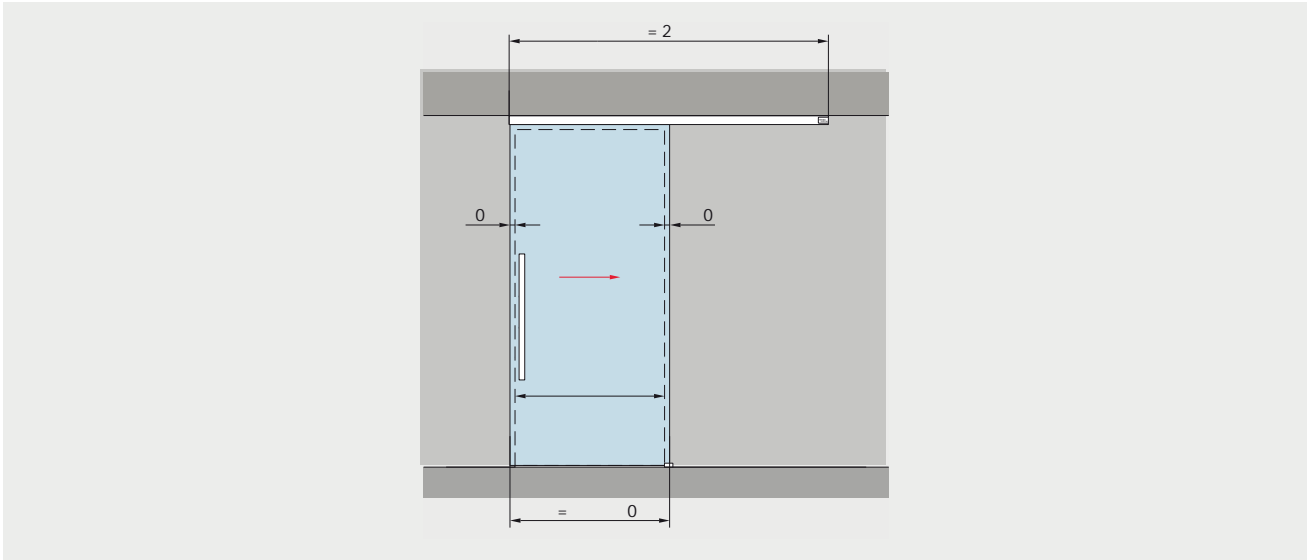
Type illustrations wall installation



Fixed at wall	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 60 kg</p> <p>Calculation of glass height $GH1 = LH + X + 6 \text{ mm}$ max. 2,500 mm</p> <p>Calculation of glass width $A = LW + 60 \text{ mm}$ 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>	<p>8 – 12 mm</p>

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

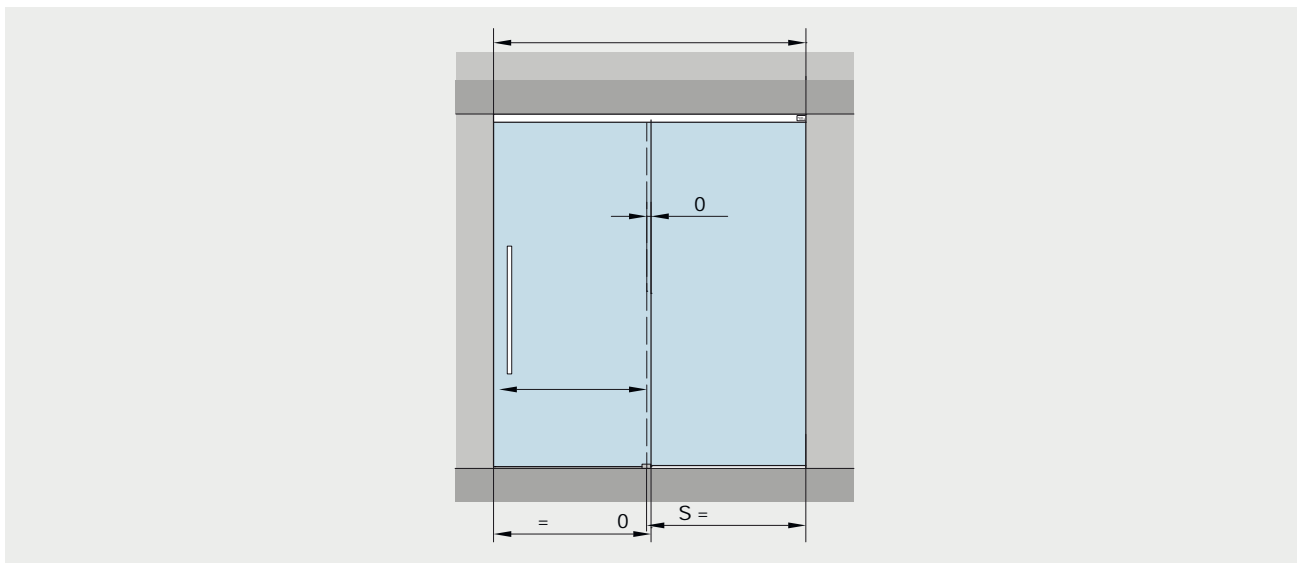


Fixed at ceiling	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 60 kg</p> <p>Calculation of glass height GH1 = H - 52 mm max. 2,500 mm</p> <p>Calculation of glass width A = LW + 60 mm min. 600 mm (after consultation: min. 400 mm possible)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

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

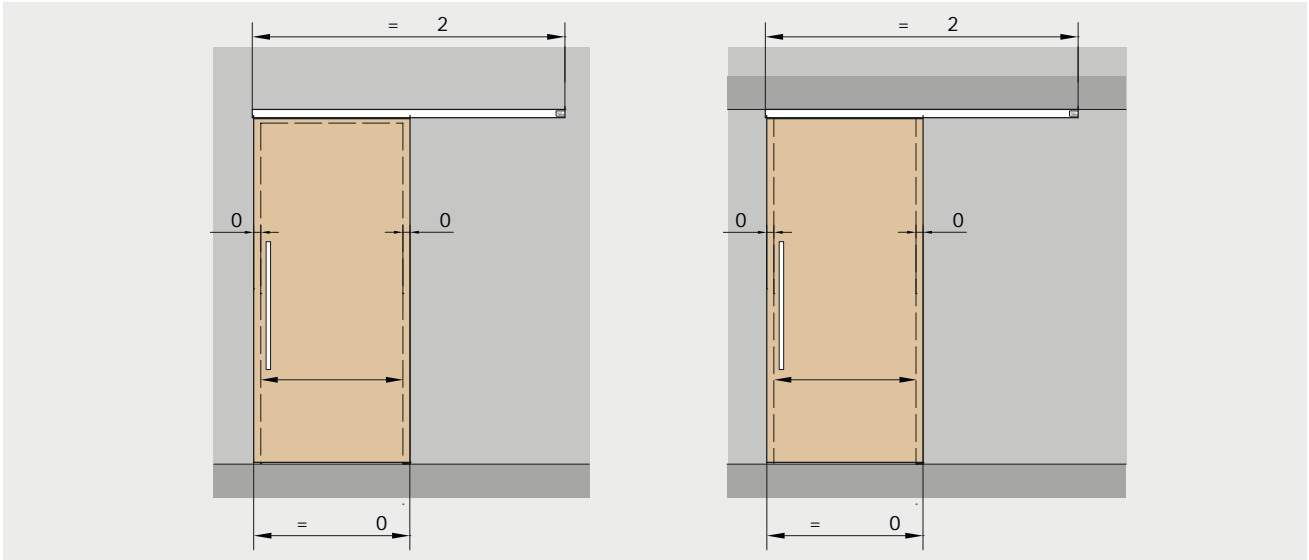


Fixed at ceiling	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 60 kg</p> <p>Calculation of glass height GH1 = LH - 52 GH2 = LH - 51 max. 2,500 mm</p> <p>Calculation of glass width A = LW + 30 mm min. 600 mm (after consultation: min. 400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

- A = Glass width
- B = Length of track
- GH1 = Glass height sliding door
- GH2 = Glass height sidelight
- 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	Product description	Wood thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 60 kg</p> <p>Calculation of door height fixed at wall $TH = LH + X - 17$ max. 2,500 mm</p> <p>Calculation of door height fixed at ceiling $TH = LH - 75$ max. 2,500 mm</p> <p>Calculation of door width $A = LW + 60 \text{ mm}$ 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>	<p>28 – 50 mm</p>
<p>* Timber door 100 mm solid wood for connection at timber adapter</p>			

A = Timber door width
 B = Length of track
 LH = Clear opening height
 LW = Clear opening width

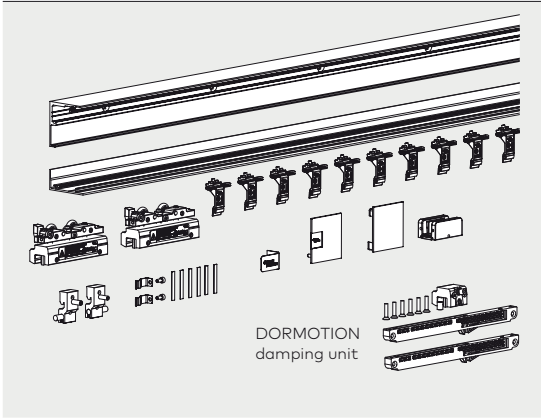
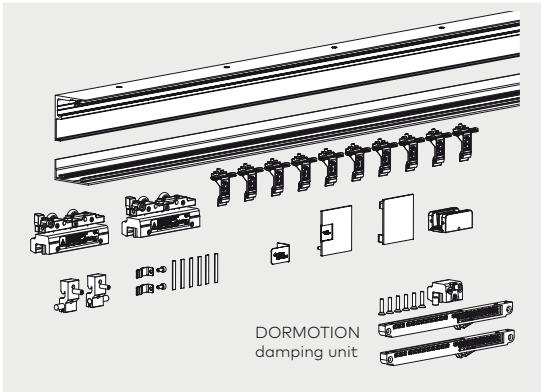
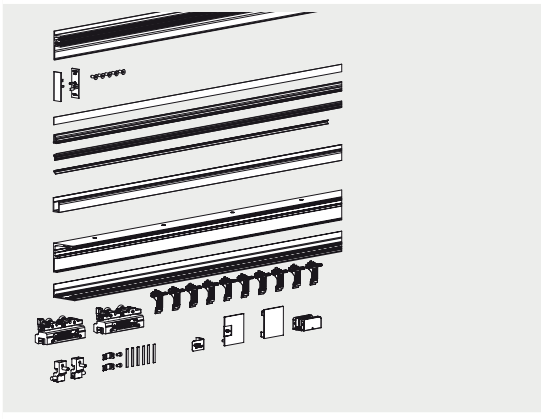
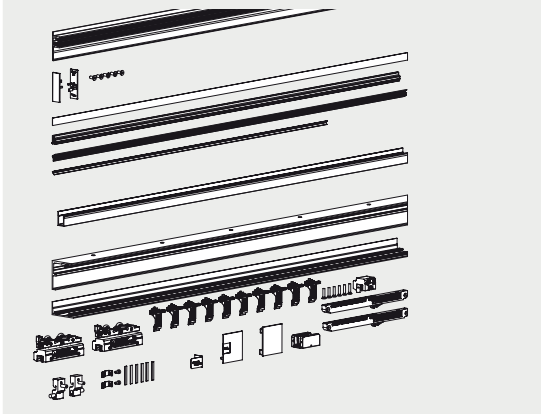
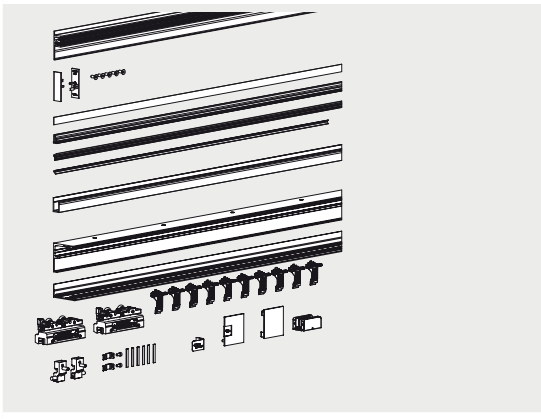
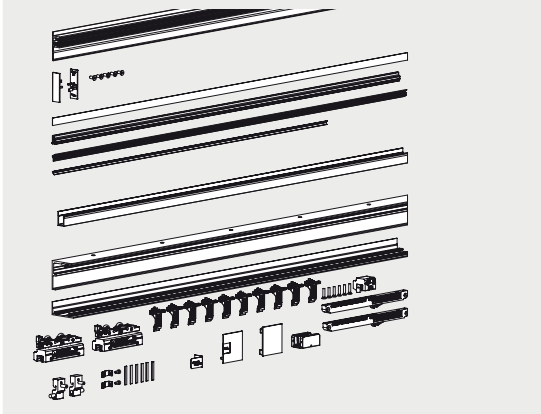
TH = Door height
 U = Wood thickness
 X = Freely selectable protrusion (depending on structural conditions)

Complete sets - defined lengths

	Product description	Panel width	Profile length	Glass thickness	Art. No.
	MUTO Comfort M 60 Set prepared for DORMOTION wall installation incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	36.670 36.671
	MUTO Comfort M 60 Set incl. DORMOTION* wall installation incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	36.676 36.677
	max. 60 kg				
	MUTO Comfort M 60 Set prepared for DORMOTION ceiling installation incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	36.672 36.673
	MUTO Comfort M 60 Set incl. DORMOTION* ceiling installation incl. track profile, cover profile, accessory set, end caps	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	36.678 36.679
	max. 60 kg				

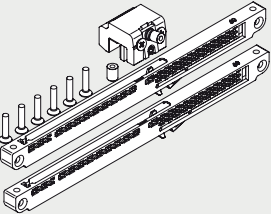
*When using a DORMOTION damping unit, we recommend installation of a pull handle.

Complete sets - individual lengths

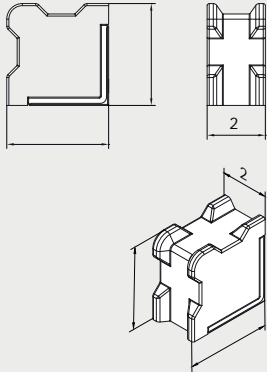
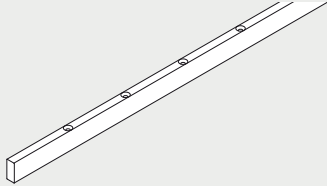
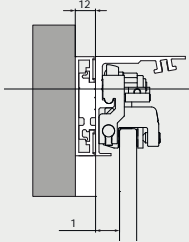
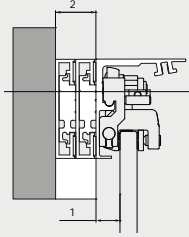
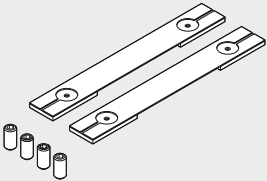
	Product description	Glass thickness	Art. No.
	MUTO Comfort M 60 Set prepared for DORMOTION <i>wall installation</i> individual profile length up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap	8 – 12 mm	36.674
	MUTO Comfort M 60 Set incl. DORMOTION* <i>wall installation</i> individual profile length up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap max. 60 kg	8 – 12 mm	36.680
	MUTO Comfort M 60 Set prepared for DORMOTION <i>ceiling installation</i> individual profile length up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap	8 – 12 mm	36.675
	MUTO Comfort M 60 Set incl. DORMOTION* <i>wall installation</i> individual profile length up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap max. 60 kg	8 – 12 mm	36.681
	MUTO Comfort M 60 Set prepared for DORMOTION <i>ceiling installation with sidelight</i> individual profile length 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	36.682
	MUTO Comfort M 60 Set incl. DORMOTION* <i>ceiling installation with sidelight</i> individual profile length 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	36.683

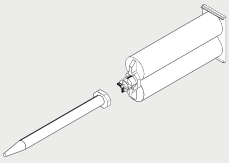
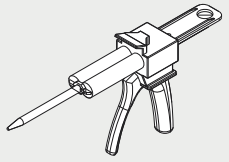
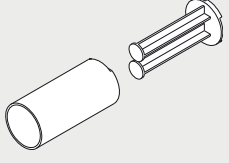
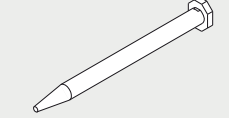
*When using a DORMOTION damping unit, we recommend installation of a pull handle.

Component parts

	Product description	Art. No.
	<p>Accessory set Consisting of: 2 Clamp carriers 2 Endstops 1 Floor guide</p>	<p>36.691</p>
	<p>DORMOTION unit Panel width min. 600 mm (after consultation min. 550 mm possible) for max. 60 kg, incl. starter</p> <p>When using a DORMOTION damping unit, we recommend installation of a pull handle.</p>	<p>36.693 Optional</p>
	<p>Track rail wall installation</p> <p>stock length 6,000 mm fixed length</p>	<p>36.684 36.687</p>
	<p>Track rail ceiling installation</p> <p>stock length 6,000 mm fixed length</p>	<p>36.685 36.688</p>
	<p>Cover profile</p> <p>stock length 6,000 mm fixed length</p>	<p>36.686 36.696</p>
	<p>MUTO Comfort M 60 Set endcaps for wall and ceiling installation</p>	<p>36.692</p>

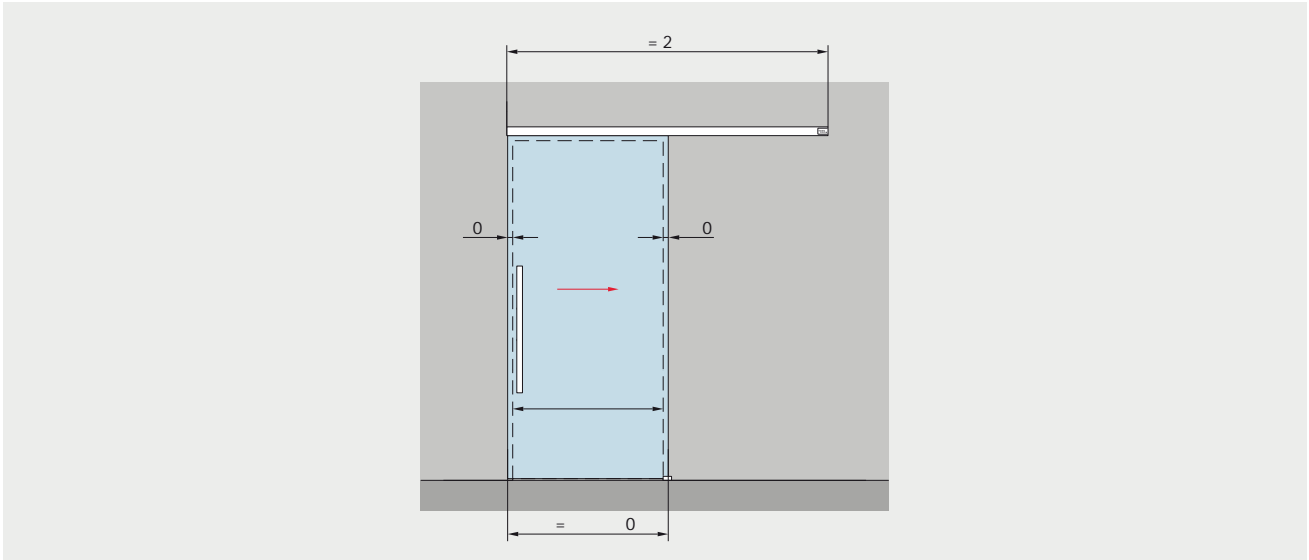
	Product description	Art. No.
	<p>MUTO Comfort M 60 + L 80 Side light profile 58 mm height, with gaskets, for 8 – 13.5 mm glass When installing between two walls, please give particular atten- tion to the width of the end covers (each 2 mm). stock length 6,000 mm fixed length</p>	<p>36.271 36.274</p>
	<p>MUTO M 60 View protection profile for sidelight profiles stock length 6,000 mm fixed length</p>	<p>36.694 36.695</p>
	<p>MUTO Filling profile for Comfort M, L, Premium XL and Self-Closing, for side light profile stock length 6,000 mm fixed length</p>	<p>36.802 36.803</p>
	<p>MUTO Comfort M 60 + L 80 End caps for side light profile, 58 mm height each 2 mm width (When installing between two walls, please give particular attention to it.)</p>	<p>36.273</p>
	<p>MUTO End caps (2 pieces) for Comfort M + L and Premium XL, for floor profile, for fixing side light</p>	<p>36.812</p>
	<p>MUTO Floor profile for Comfort L and Premium XL, for fixing side light, with gaskets, incl. end caps stock length 6,000 mm fixed length</p>	<p>8 – 13.5 mm 36.810 36.811</p>

	Product description	Art. No.
	<p>MUTO Comfort Floorstop for Comfort M, L and Premium XL, for glass- oder timber side light</p>	<p>36.851</p>
	<p>MUTO Comfort M 60 Timber adapter profile 10 x 23 mm, incl. accessories (with timber floor guide) 1,310 mm fixed length</p>	<p>36.941</p>
	<p>MUTO Comfort - balance profile set 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.872</p>
	<p>MUTO Comfort - balance profile set 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.873</p>
	<p>MUTO Comfort M 60 LSG set Accessory set for use with LSG for one pair of clamp carrier</p> <p>Consisting of: 2 Gaskets 4 Injector screw</p> <p>Please order the LSG glue 07.631 separately</p>	<p>36.939</p>

	Product description	Art. No.
	<p>Special adhesive for use with LSG The contents of the cartridge are sufficient for 10 clamp carriers (varies if the nozzle contents have dried out!) If necessary, order additional spare nozzles (art. no. 07630).</p>	07.631
	<p>Automix gun for LSG Use in combination with article 07.631</p>	07.629
	<p>Automix adapter for LSG Use in combination with article 07.631</p>	07.628
	<p>Spare nozzle for LSG Use in combination with article 07.631</p>	07.630

Vertical brush seals can be found on page 188

Type illustrations wall installation

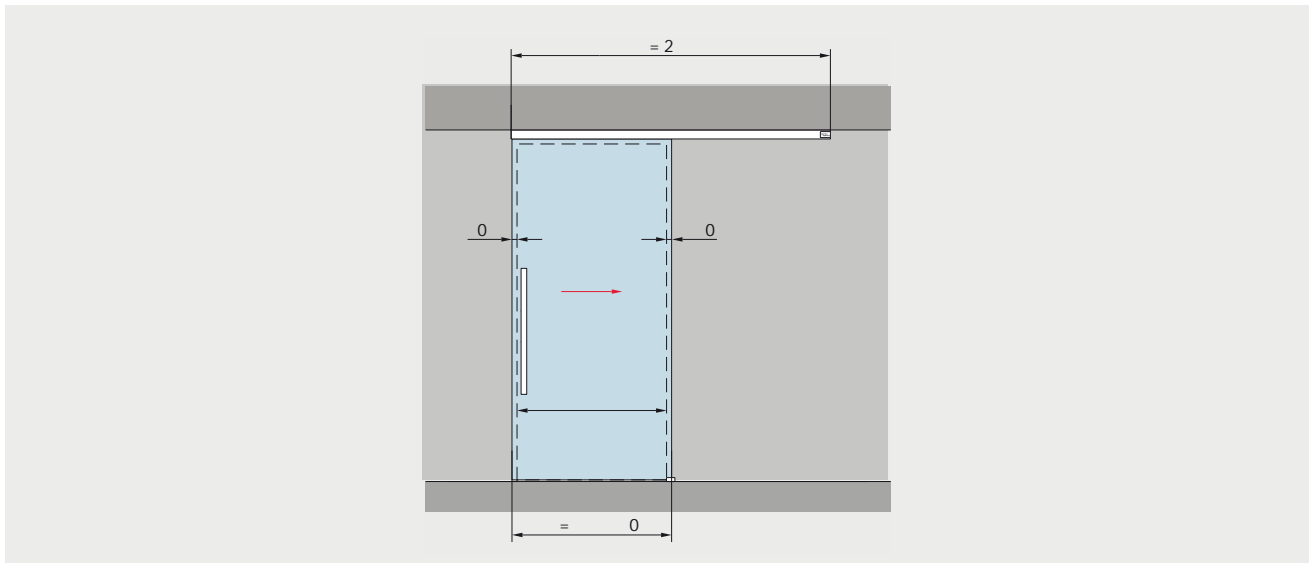


Fixed at wall	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg</p> <p>Calculation of glass height $GH = LH + 18 + X$ mm max. 3,000 mm</p> <p>Calculation of glass width $A = LW + 60$ mm min. 660 mm max. 2,000 mm max. 2 x 1,250 mm</p>	<p>8 – 13.5 mm</p>

- 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 = 71 mm – 17 mm – t
- X = Freely selectable protrusion (depending on structural conditions)

Type illustrations ceiling installation

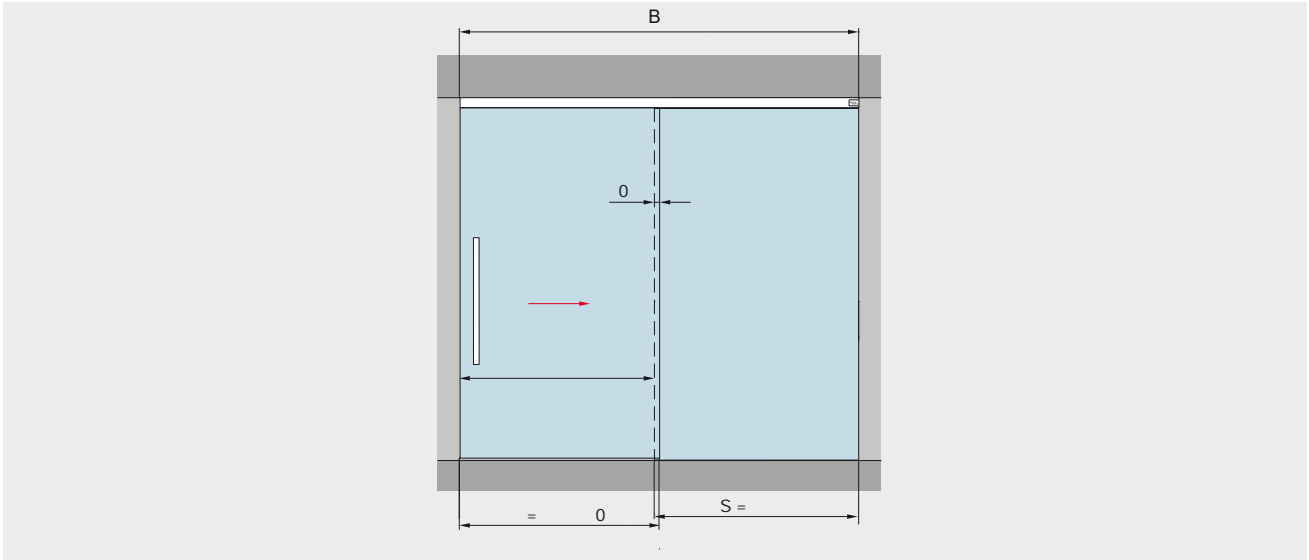


Fixed at ceiling	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg</p> <p>Calculation of glass height GH1 = H - 40 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 60 mm min. 660 mm max. 2,000 mm max. 2 x 1,250 mm</p>	8 – 13.5 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 = 71 mm - 17 mm - t

Type illustrations with side panel, on one side

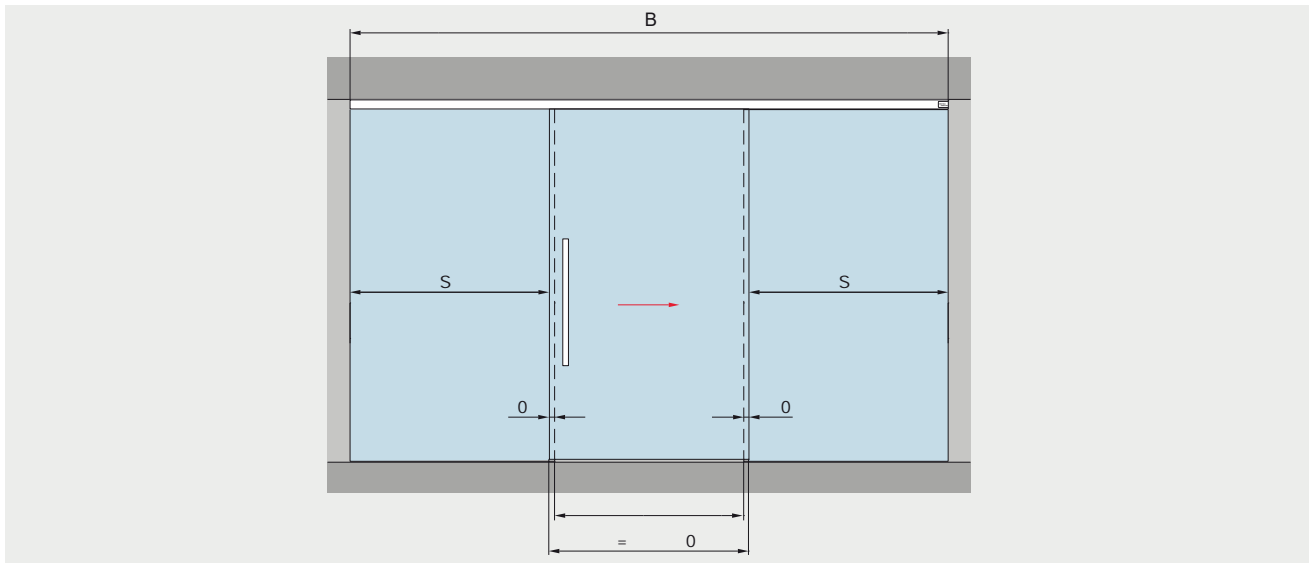


Fixed at ceiling	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg</p> <p>Calculation of glass height GH1 = H - 40 mm GH2 = H - 51 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 30 mm min. 660 mm max. 2,000 mm</p>	<p>8 – 13.5 mm</p>

- 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 = 71 mm - 17 mm - t1

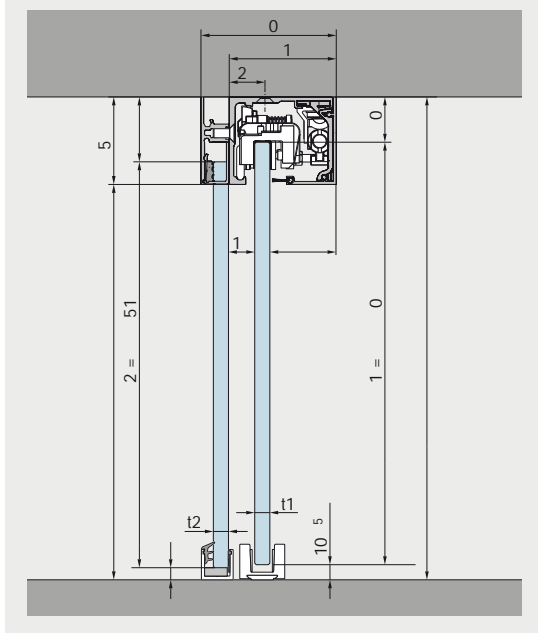
Type illustrations with sidelight on both sides



Fixed at ceiling

Product description

Glass thickness



For installation with one door panel

8 – 13.5 mm

Max. weight of door panels

80 kg

Calculation of glass height

$GH1 = H - 40 \text{ mm}$

$GH2 = H - 51 \text{ mm}$

max. 3,000 mm

Calculation of glass width

$A = LW + 60 \text{ mm}$

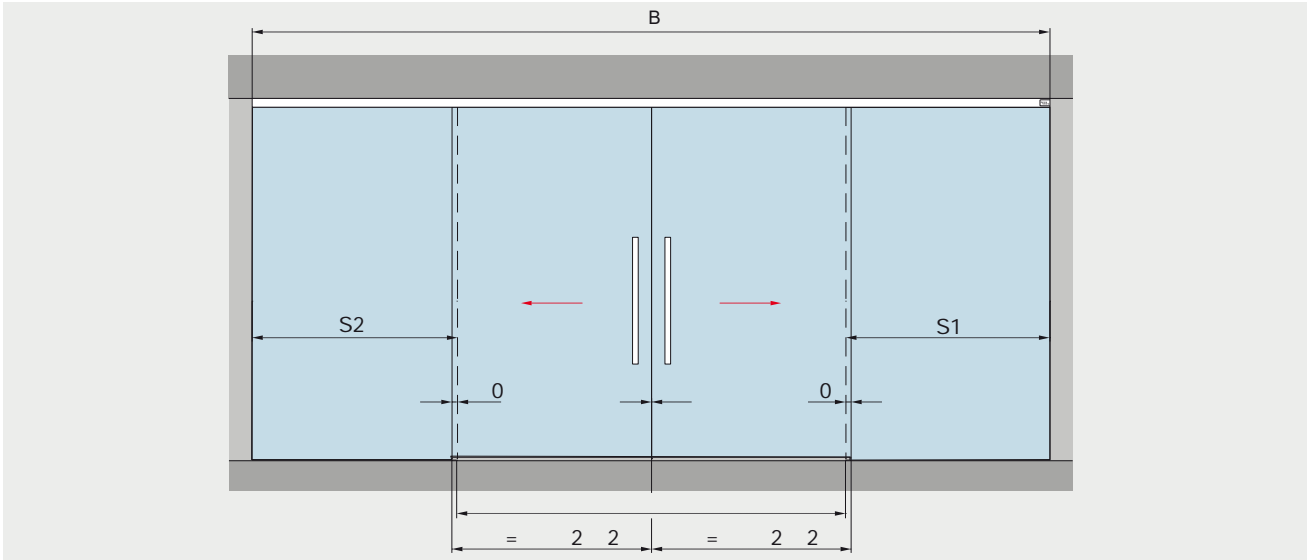
min. 660 mm

max. 2,000 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 = 71 mm - 17 mm - t1

Type illustrations with two door panels with sidelights



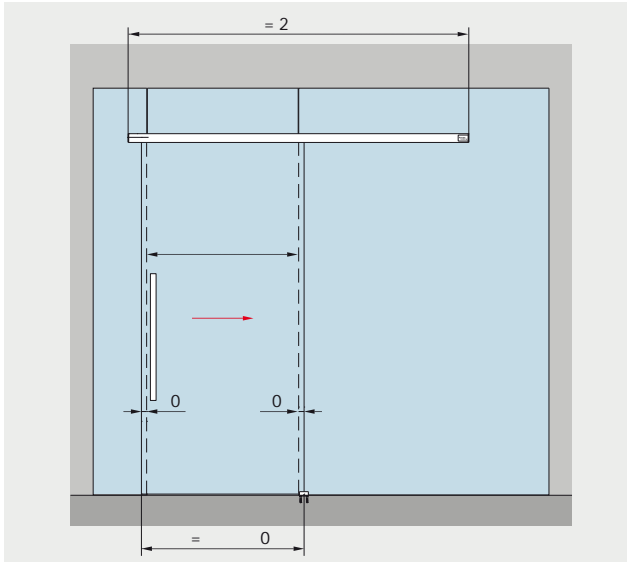
Fixed at ceiling	Product description	Glass thickness
	<p>For installation with two door panels</p> <p>Max. weight of door panels 80 kg</p> <p>Calculation of glass height GH1 = H - 40 mm GH2 = H - 51 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW / 2 + 27 mm min. 660 mm max. 2 x 1,250 mm</p>	8 - 13.5 mm

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

- S1/S2 = Glass width sidelight
- LH = Clear opening height
- LW = Clear opening width
- t1 = Glass thickness sliding door
- t2 = Glass thickness sidelight

Y = 71 mm - 17 mm - t1

Type illustrations glass installation



$BA = 2 \times (LW - 106) / T = \text{mm}$

The total quantity of drillings (AB) depends on clear opening width (LW) and determines the final drilling distance (BA).

	T	AB
$600 \leq LW \leq 800$	4	8*
$801 \leq LW \leq 1,000$	6	10
$1,001 \leq LW \leq 1,200$	8	12
$1,201 \leq LW \leq 1,500$	10	14
$1,501 \leq LW \leq 2,000$	12	16

* Calculation sample (LW = 700):
 $BA = 2 \times (700 - 106) / 4 = 297.0 \text{ mm}$

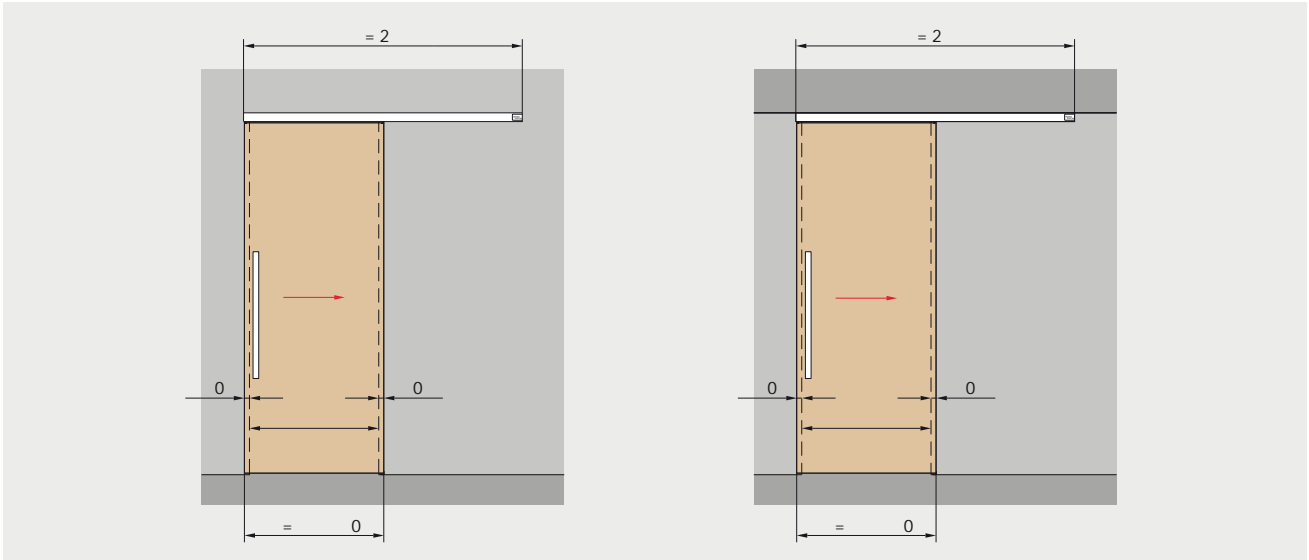
You will find a calculation tool for the glass preparation of the fixed parts MUTO on glass under the following link <https://glas-innovationen.com/glass-innovations/muto>

Glass preparation	Product description	Glass thickness
<p>Detail X</p>	For installation with one door panel Max. weight of door panels 80 kg Calculation of glass height $GH1 = LH + 18 \text{ mm}$ max. 3,000 mm Calculation of glass width $A = LW + 60 \text{ mm}$	8 – 13.5 mm

Fixed at glass	Product description	L 80								
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.									
	<table border="1"> <tbody> <tr> <td>min. glass width without DORMOTION</td> <td>660 mm</td> </tr> <tr> <td>min. clear opening width without DORMOTION</td> <td>600 mm</td> </tr> <tr> <td>max. glass width</td> <td>2,000 mm</td> </tr> <tr> <td>max. clear opening width</td> <td>1,940 mm</td> </tr> </tbody> </table>	min. glass width without DORMOTION	660 mm	min. clear opening width without DORMOTION	600 mm	max. glass width	2,000 mm	max. clear opening width	1,940 mm	
min. glass width without DORMOTION	660 mm									
min. clear opening width without DORMOTION	600 mm									
max. glass width	2,000 mm									
max. clear opening width	1,940 mm									

- A = Glass width
- AB = Quantity of drillings
- B = Length of track
- BA = Drilling distance
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- GH1 = Glass height sliding door
- T = Quantity of drillings distance signed with BA
- t1 = Glass thickness sliding door (8 – 13.5 mm)
- t2 = Glass thickness fixed panel (10 – 19 mm)
- Y = 71 mm – 17 mm – t1

Type illustrations for timber door applications

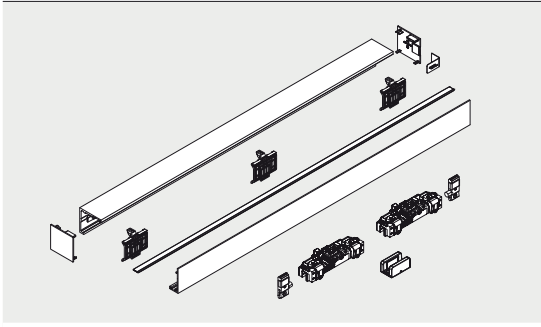
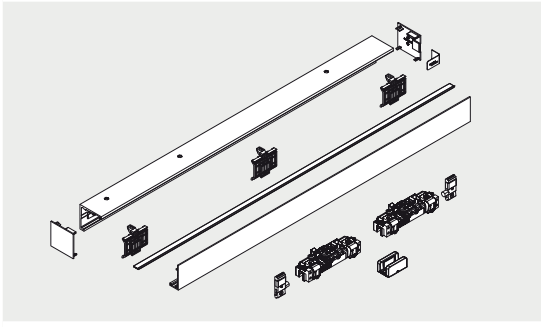
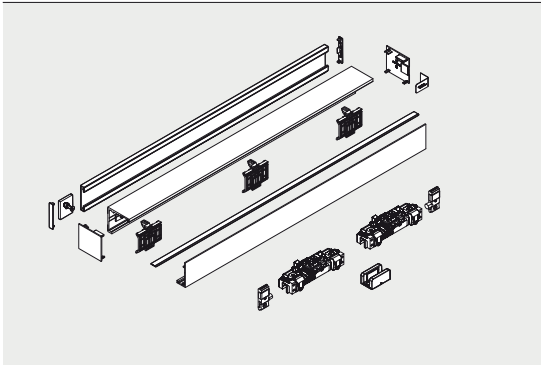


Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg</p> <p>Calculation of door height fixed at wall $TH = LH - 18 + X$ mm max. 3,000 mm</p> <p>Calculation of door height fixed at ceiling $TH = H - 76$ mm max. 3,000 mm</p> <p>Calculation of door width $A = LW + 60$ mm min. 660 mm max. 2,000 mm</p>	<p>28–50 mm</p>
<p>* Timber door 100 mm, solid wood, for attachment to timber adapter.</p>			

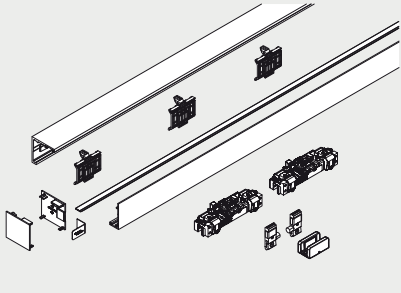
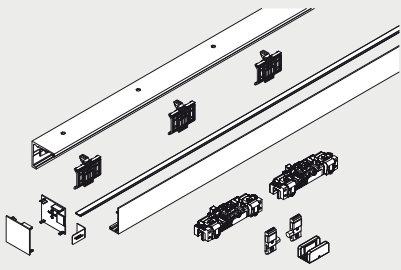
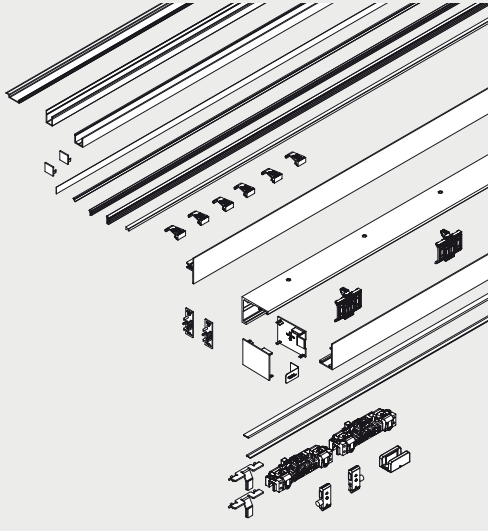
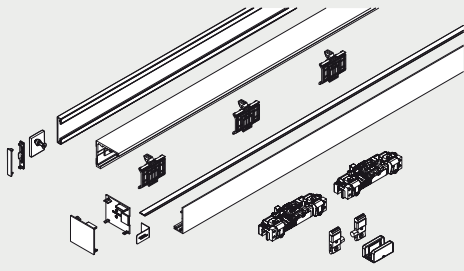
A = Glass width
 B = Length of track
 H = Total height
 LH = Clear opening height

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

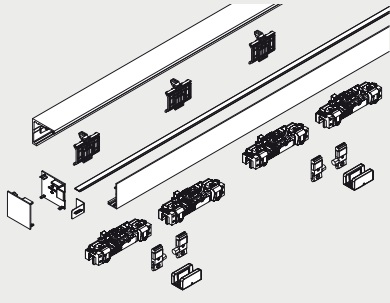
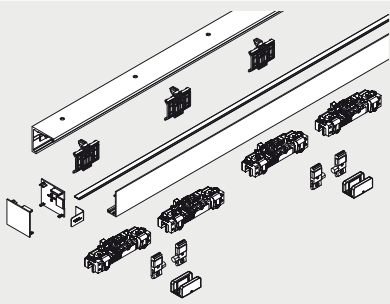
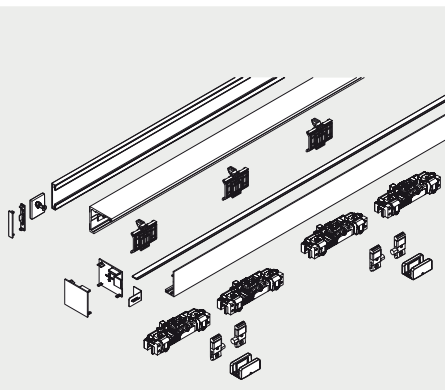
Complete sets - defined lengths

	Product description	Panel width	Profile length	Glass thickness	Art. No.		
	MUTO Comfort L 80 Set for wall installation incl. track profile, cover profile and brushes, accessory set, end caps max. 80 kg	1,100	2,180	8 – 13.5 mm	36.300		
		1,450	2,880	8 – 13.5 mm	36.301		
	MUTO Comfort L 80 Set for ceiling installation incl. track profile, cover profile and brushes, accessory set, end caps max. 80 kg	1,100	2,180	8 – 13.5 mm	36.302		
		1,450	2,880	8 – 13.5 mm	36.303		
			Clear opening width	Panel width	Profile length	Glass thickness	Art. No.
	MUTO Comfort L 80 Set for glass installation incl. track profile, cover profile and brushes, counter profile, accessory set, end caps max. 80 kg Note: Please take note of glass preparation on page 37	1,050	1,110	2,287	8 – 13.5 mm	36.304	
		1,250	1,310	2,687	8 – 13.5 mm	36.305	

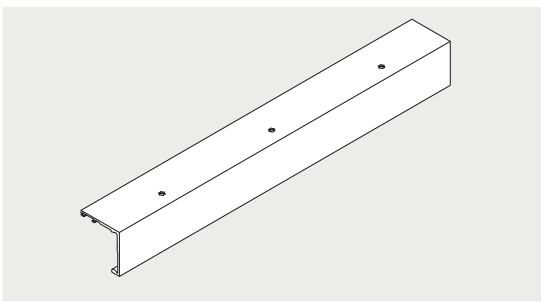
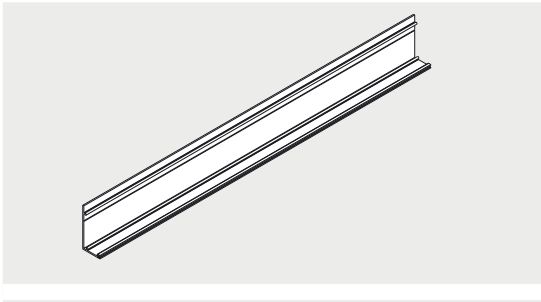
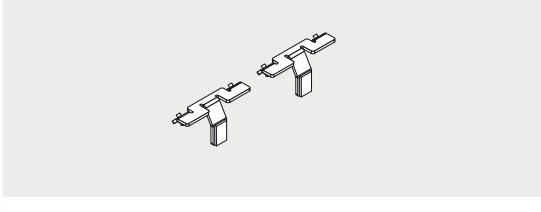
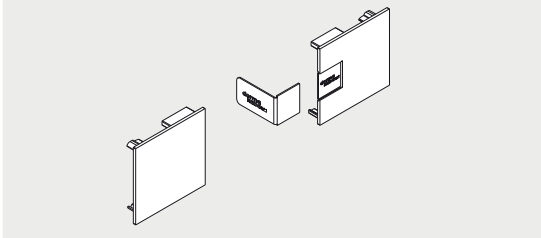
Complete sets - individual lengths

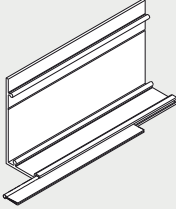
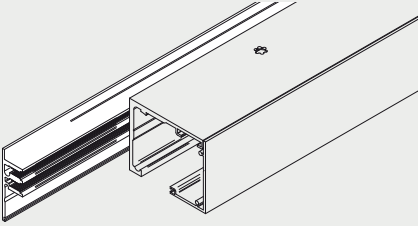
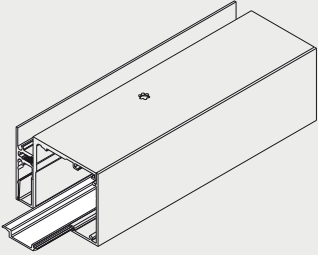
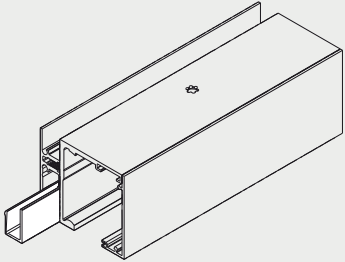
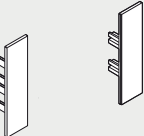
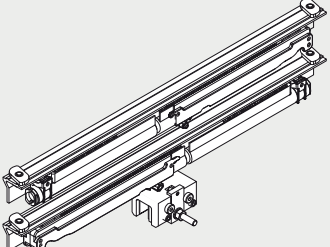
	Product description	Glass thickness	Art. No.
	<p>MUTO Comfort L 80 Set <i>for wall installation</i> Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, accessory set, end caps</p> <p>max. 80 kg</p> <p><i>Please indicate clear opening width or track length with order!</i></p>	8 – 13.5 mm	36.320
	<p>MUTO Comfort L 80 Set <i>for ceiling installation</i> Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, accessory set, end caps</p> <p>max. 80 kg</p> <p><i>Please indicate clear opening width or track length with order!</i></p>	8 – 13.5 mm	36.321
	<p>MUTO Comfort L 80 Complete set <i>fixed at ceiling, sidelight</i> Individual profile length up to max. 5,940 mm incl. track profile, cover profile, sidelight profile, view protection profile, filler profile, brushes, accessory set, end caps</p> <p>max. 80 kg</p> <p><i>Please indicate track length with order!</i></p>	8 – 13,5 mm	36.306
	<p>MUTO Comfort L 80 Set <i>for glass installation</i> Individual profile length up to max. 4,067 mm incl. track profile, cover profile and brushes, counter profile, accessory set, end caps</p> <p>max. 80 kg</p> <p><i>Please indicate clear opening width with order!</i></p> <p>Note: Please take note of glass preparation on page 37</p>	8 – 13.5 mm	36.322

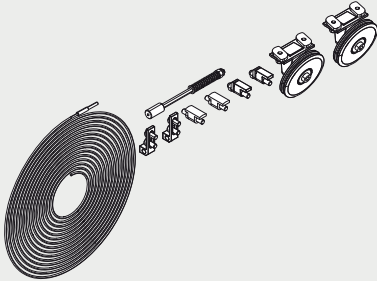
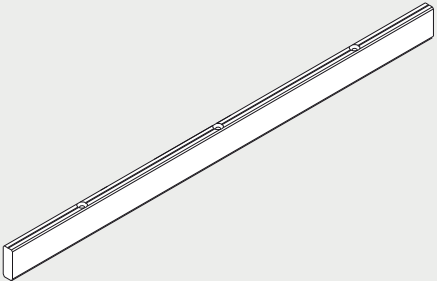
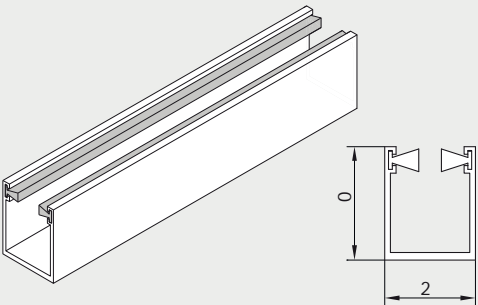
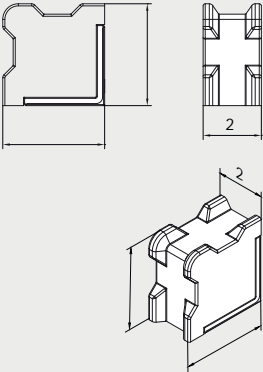
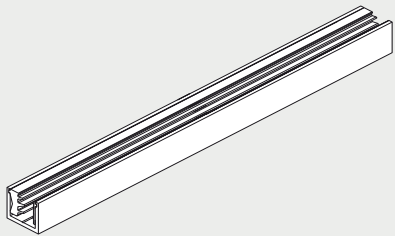
Complete sets – individual lengths with two door panels

	Product description	Glass thickness	Art. No.
	<p>MUTO Comfort L 80 Set for 2-panel door, wall installation Individual profile length up to max. 5,940 mm, incl. track profile, cover profile and brushes, accessory sets, end caps</p> <p>max. 2 x 80 kg</p> <p>Please indicate clear opening width or track length with order!</p>	8 – 13.5 mm	36.323
	<p>MUTO Comfort L 80 Set for 2-panel door, ceiling installation Individual profile length up to max. 5,940 mm, incl. track profile, cover profile and brushes, accessory sets, end caps</p> <p>max. 2 x 80 kg</p> <p>Please indicate clear opening width or track length with order!</p>	8 – 13.5 mm	36.324
	<p>MUTO Comfort L 80 Set for 2-panel door, glass installation Individual profile length up to max. 5,012 mm, incl. track profile, cover profile and brushes, counter profile, accessory sets, end caps</p> <p>max. 2 x 80 kg</p> <p>Please indicate clear opening width with order!</p> <p>Note: Please take note of glass preparation on page 38</p>	8 – 13.5 mm	36.325

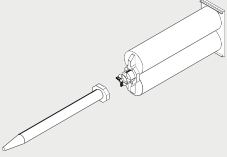
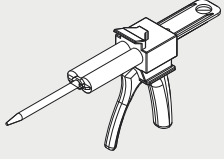
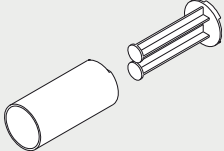
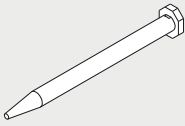
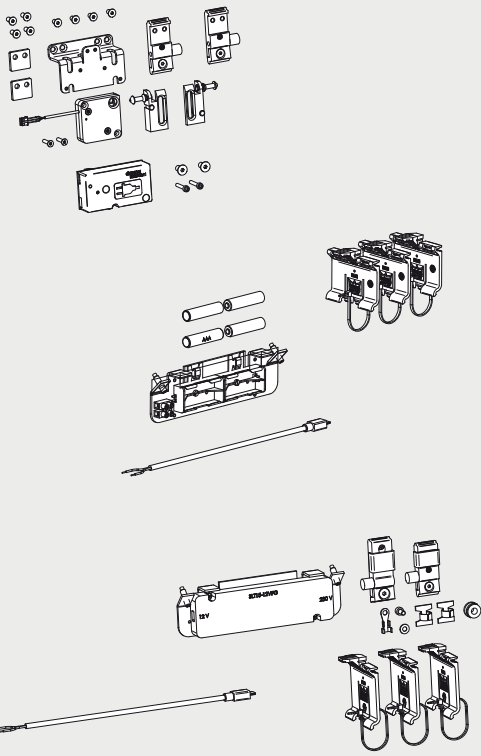
Component parts

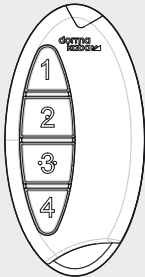
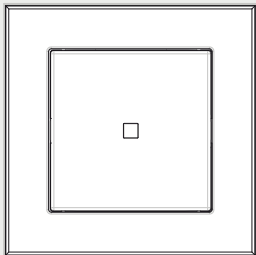
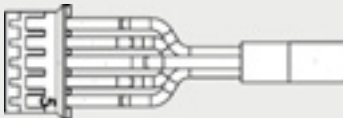
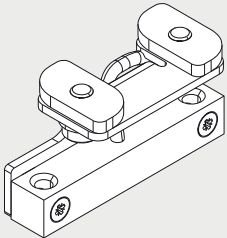
	Product description	Glass thickness	Art. No.
	Accessory set Consisting of: 2 Clamp carriers 2 Endstops 1 Floor guide		36.349
	Track rail <i>for wall installation</i> stock length 6,000 mm fixed length		36.350 36.351
	Track rail <i>for ceiling installation</i> stock length 6,000 mm fixed length		36.352 36.353
	Cover profile stock length 6,000 mm fixed length		36.359 36.360
	MUTO spacer (2 pieces) <i>for installation between two walls</i>		36.890
	MUTO Comfort L 80 Set endcaps <i>for wall and ceiling installation</i>		36.354

	Product description	Glass thickness	Art. No.
	<p>MUTO Brush profile set for Comfort L and Premium XL Consisting of: 1 Brush profile 8 – 10 mm glass 1 brush profile 12 – 13.5 mm glass</p>		36.265
	<p>MUTO Comfort M 60 + L 80 Side light profile 58 mm height, with gaskets, for 8 – 13.5 mm glass</p> <p>When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).</p>		36.271
	<p>MUTO Filling profile for Comfort L, Premium XL and Self-Closing, for side light profile</p> <p>stock length 6,000 mm fixed length</p>		36.800
	<p>MUTO Filling profile for Comfort M + L, Premium XL and Self-Closing,</p> <p>stock length 6,000 mm fixed length</p>		36.802
	<p>MUTO Comfort M 60 + L 80 End caps for side light profile, 58 mm height each 2 mm width (When installing between two walls, please give particular attention to it.)</p>		36.273
	<p>DORMOTION unit Panel width min 660 mm, for max. 80 kg, incl. starter</p> <p>When using a DORMOTION damping unit, we recommend installation of a pull handle.</p>		36.361 Optional

	Product description	Glass thickness	Art. No.
	<p>MUTO Comfort L 80 Synchro set Consisting of: 1 Wire 2 Pulley</p> <p>Max. 80 kg per panel</p>		<p>36.357 Optional</p>
	<p>MUTO Comfort L 80 Timber adapter set Profil 12.5 x 36 mm, incl. Accessories (with timber floor guide)</p> <p>1,460 mm fixed length</p>		<p>36.261 36.262</p>
	<p>MUTO Premium XL 80/150 Subsurface floor guide track rail with brushes</p> <p>stock length 6,000 mm fixed length</p>		<p>36.561 36.562</p>
	<p>MUTO Comfort Floorstop for Comfort M, L and Premium XL, for glass- oder timber side light</p>		<p>36.851</p>
	<p>MUTO Floor profile for Comfort M + L and Premium XL, for fixing side light, with gaskets, incl. end caps</p> <p>stock length 6,000 mm fixed length</p>	<p>8 – 13.5 mm</p>	<p>36.810 36.811</p>

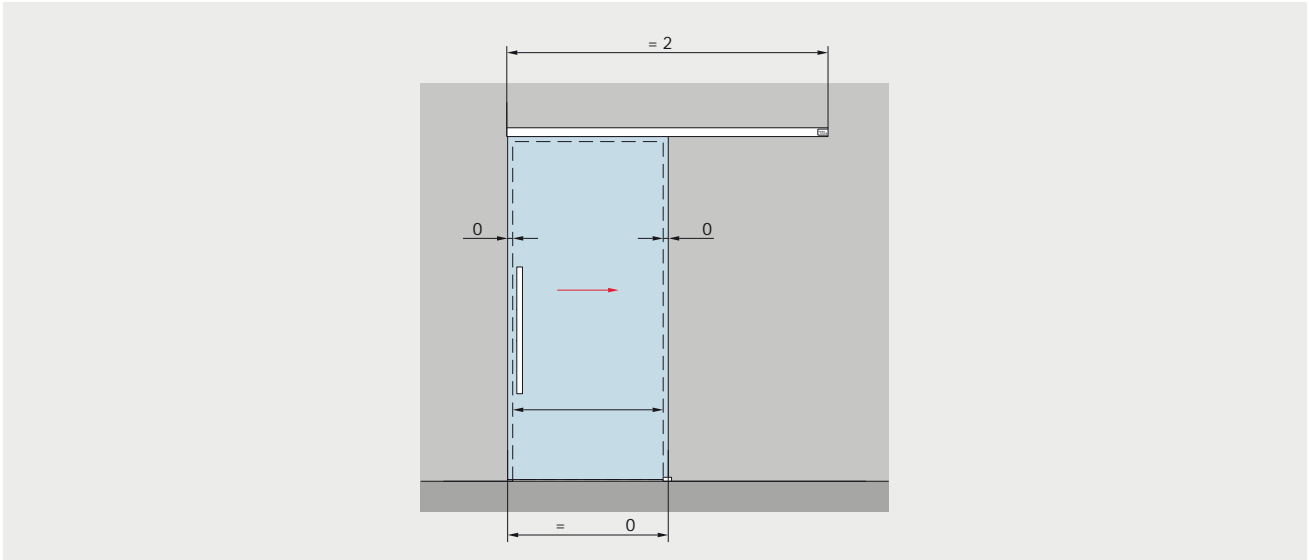
	Product description	Glass thickness	Art. No.
	<p>MUTO End caps (2 pieces) for Comfort M + L and Premium XL, for Floor profile, for fixing side light</p>		<p>36.812</p>
	<p>MUTO Comfort - balance profile set 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>		<p>36.872</p>
	<p>MUTO Comfort - balance profile set 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>		<p>36.873</p>
	<p>MUTO Comfort Connecting profile for false ceiling, incl. accessory set</p> <p>stock length 6,000 mm fixed length</p> <p><i>To be bolted on site to the track rail.</i></p>		<p>36.821 36.820</p>
	<p>MUTO Comfort L 80 LSG set Accessory set for use with LSG for one pair of clamp carrier</p> <p>Consisting of: 2 Gaskets 4 Injector screw</p> <p><i>Please order the LSG glue 07.631 separately</i></p>		<p>36.270</p>

	Product description	Glass thickness	Art. No.
	<p>Special adhesive for use with LSG The contents of the cartridge are sufficient for 10 clamp carriers (varies if the nozzle contents have dried out!) If necessary, order additional spare nozzles (art. no. 07630).</p>		07.631
	<p>Automix gun for LSG Use in combination with article 07.631</p>		07.629
	<p>Automix adapter for LSG Use in combination with article 07.631</p>		07.628
	<p>Spare nozzle for LSG Use in combination with article 07.631</p>		07.630
	<p>MUTO Integrated locking device for Comfort L, not suitable as a security barrier (only in combination with DORMOTION, not in combination with Synchro) Consisting of: 1 Adapter for track reception 1 Lock reception 1 Locking device 1 Frame system L 1 Battery</p> <p>* Battery for re-ordering</p>		36.843
			38.845

	Product description	Glass thickness	Art. No.
	<p>MUTO Radio remote control for Comfort L, Premium XL and Self-Closing,</p> <p>1 Radio remote control 1 Battery</p>		36.848
	<p>MUTO Wall switch with radio remote control for Comfort L, Premium XL and Self-Closing,</p> <p>1 Wall switch 1 Battery</p>		36.849
	<p>MUTO Accessory for locking unit for Comfort L, Premium XL and Self-Closing,</p> <p>1 cable set for an optional use of the status indicator integrated in the locking unit</p>		36.855
	<p>MUTO Status indicator set for Comfort L and Premium XL</p> <p>Consisting of: 1 Sensor 1 Adapter for track reception 1 Cable</p>		36.840
	<p>Concealed transmitter BRC-T DORMA bi-directional flush-mounted radio transmitter BRC-T, battery-operated, for installation in a switch with a deep flush-mounting box or a surface-mounted elbow switch/switch pad. Also suitable for heavy-duty applications In conjunction with DORMA stainless steel elbow switches; only suitable for use in conjunction with the DORMA radio receiver BRC-R,</p> <p>Additional radio push-button set</p>		29302002 not illustr.
			84020081 not illustr.

Vertical brush seals can be found on page 188

Type illustrations wall installation

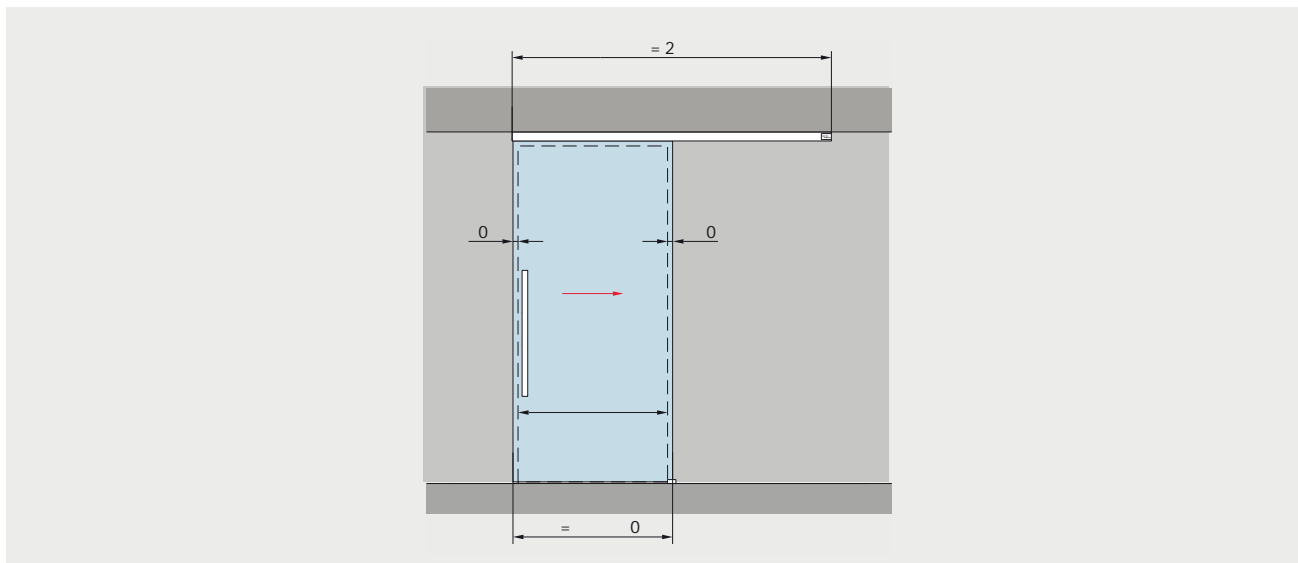


Fixed at wall	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg 150 kg</p> <p>Calculation of glass height $GH1 = LH + 22 + X$ mm max. 3,000 mm</p> <p>Calculation of glass width $A = LW + 60$ mm min. 810 mm for Premium XL 80 min. 1,020 mm for Premium XL 150 max. 2,500 mm max. 2 x 1,470 mm</p>	<p>8 – 13.5 mm</p>

- 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 = 72 mm – 20 mm – t
- X = Freely selectable protrusion (depending on structural conditions)

Type illustrations ceiling installations

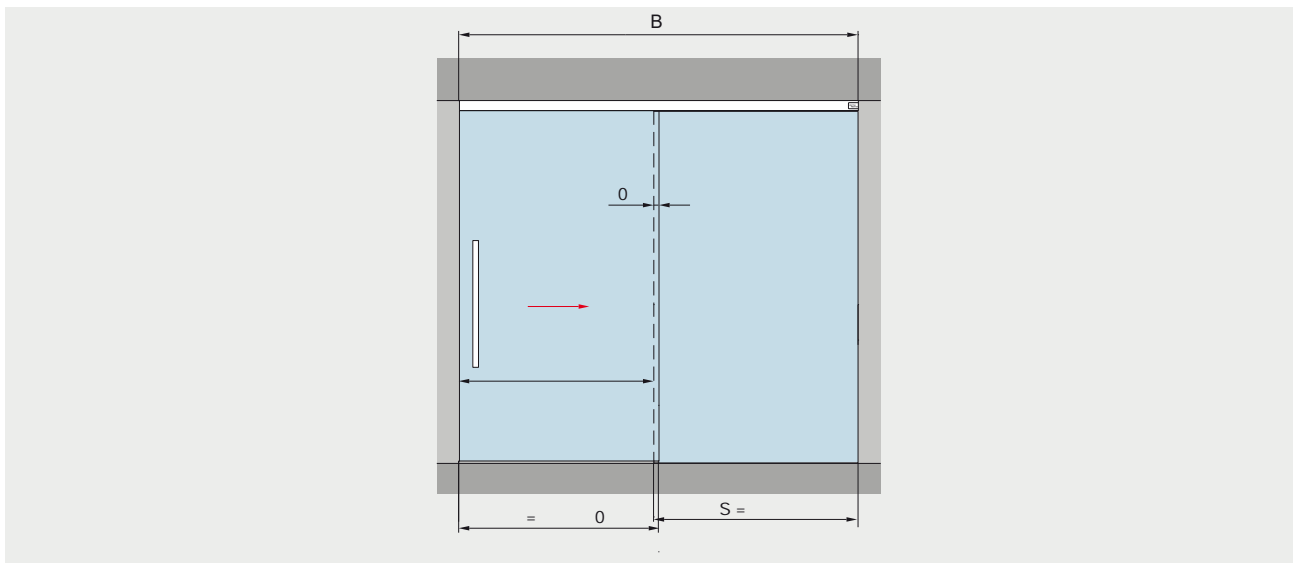


Fixed at ceiling	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg 150 kg</p> <p>Calculation of glass height $GH1 = H - 47 \text{ mm}$ max. 3,000 mm</p> <p>Calculation of glass width $A = LW + 60 \text{ mm}$ min. 810 mm for Premium XL 80 min. 1,020 mm for Premium XL 150 max. 2 x 1,470 mm</p>	8 – 13.5 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 = 72 mm – 20 mm – t

Type illustrations with sidelight, on one side

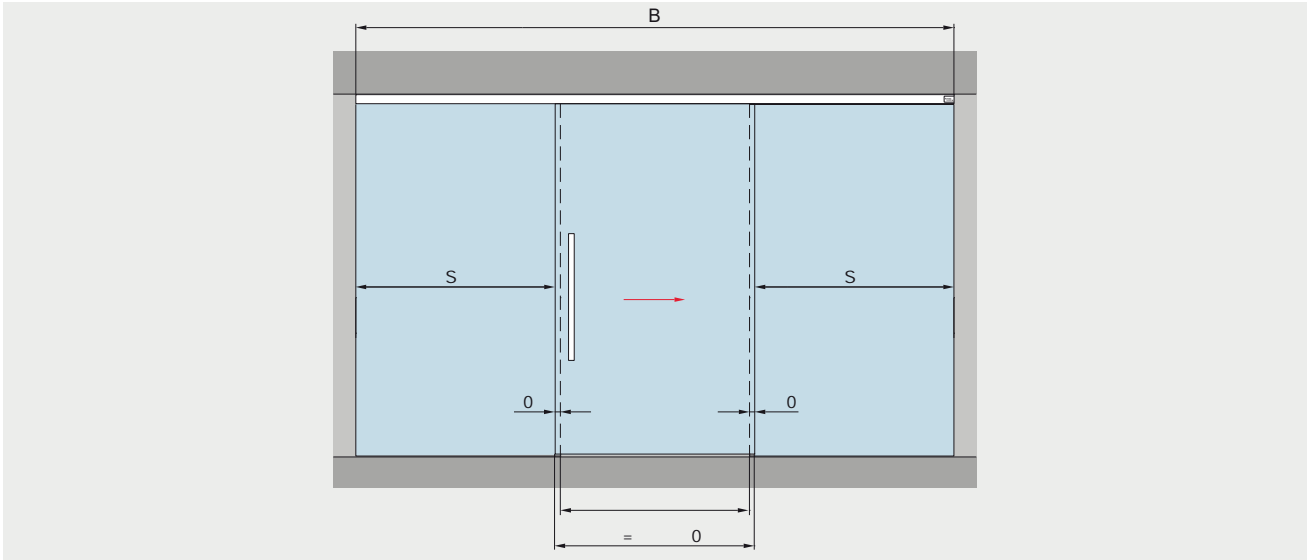


Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg 150 kg</p> <p>Calculation of glass height for installation at ceiling GH1 = H - 47 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass height for installation at false ceiling GH1 = LH + 21 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 30 mm min. 810 mm für Premium XL 80 min. 1,020 mm für Premium XL 150 max. 2,500 mm</p>	8 - 13.5 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 = 72 mm - 20 mm - t1

Type illustrations with sidelight, on both sides



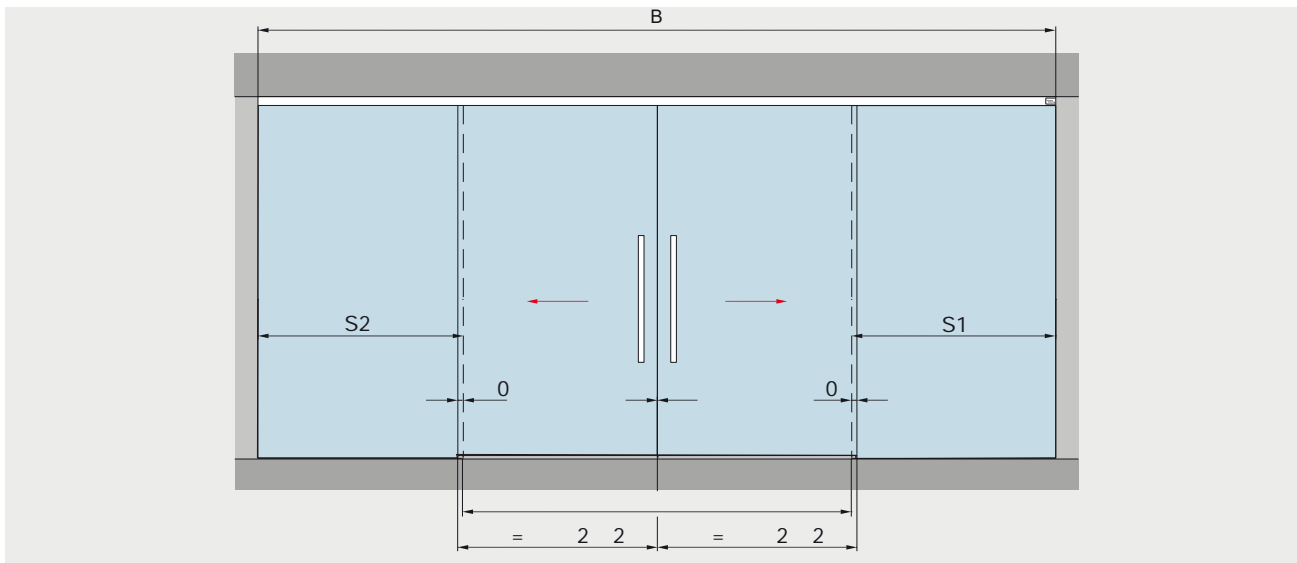
Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		<p>For installation with one door panel</p> <p>Glass thickness 8 – 13.5 mm</p> <p>Max. weight of door panels 80 kg 150 kg</p> <p>Calculation of glass height for installation at ceiling GH1 = H – 47 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass height for installation at false ceiling GH1 = LH + 21 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 60 mm min. 810 mm für Premium XL 80 min. 1,020 mm für Premium XL 150 max. 2,500 mm</p>	

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

- S = Glass width sidelight
- LH = Clear opening height
- LW = Clear opening width
- t1 = Glass thickness sliding door
- t2 = Glass thickness sidelight

Y = 72 mm – 20 mm – t1

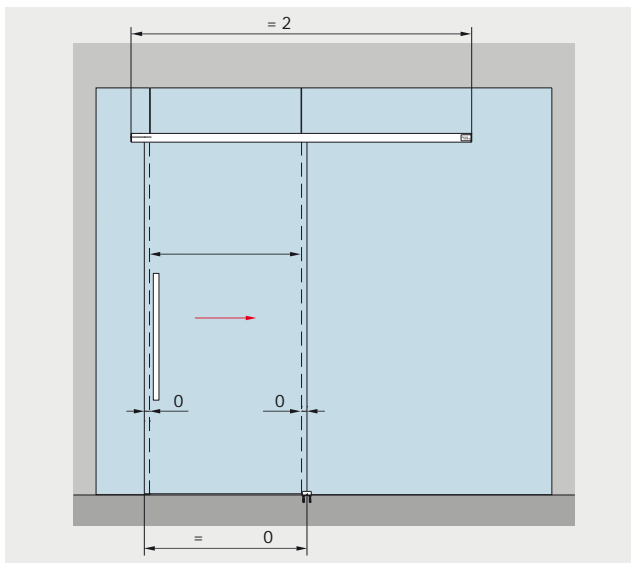
Type illustrations with two door panels with sidelights



Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		<p>For installation with two door panels with sidelights</p> <p>Max. weight of door panels 80 kg 150 kg</p> <p>Calculation of glass height for installation at ceiling GH1 = H - 47 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass height for installation at false ceiling GH1 = LH + 21 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW / 2 + 27 mm min. 810 mm für Premium XL 80 max. 2 x 1,427 mm min. 1,020 mm für Premium XL 150 max. 2 x 1,427 mm</p>	8 - 13.5 mm

- A = Glass width
- B = Length of track
- GH1 = Glass height sliding door
- GH2 = Glass height sidelight
- H = Total height
- S1/S2 = Glass width sidelight
- LH = Clear opening height
- LW = Clear opening width
- t1 = Glass thickness sliding door
- t2 = Glass thickness sidelight
- Y = 72 mm - 20 mm - t1

Type illustrations glass installation



$BA = 2 \times (LW - 106) / T^* = \text{mm}$

The total quantity of drillings (AB) depends on clear opening width (LW) and determines the final drilling distance (BA).

	T*	AB
$600 \leq LW \leq 800$	4	8*
$801 \leq LW \leq 1,000$	6	10
$1,001 \leq LW \leq 1,200$	8	12
$1,201 \leq LW \leq 1,500$	10	14
$1,501 \leq LW \leq 2,000$	12	16
$2,001 \leq LW \leq 2,500$	14	18

* Calculation sample (LW = 750):
 $BA = 2 \times (750 - 106) / 4 = 322 \text{ mm}$

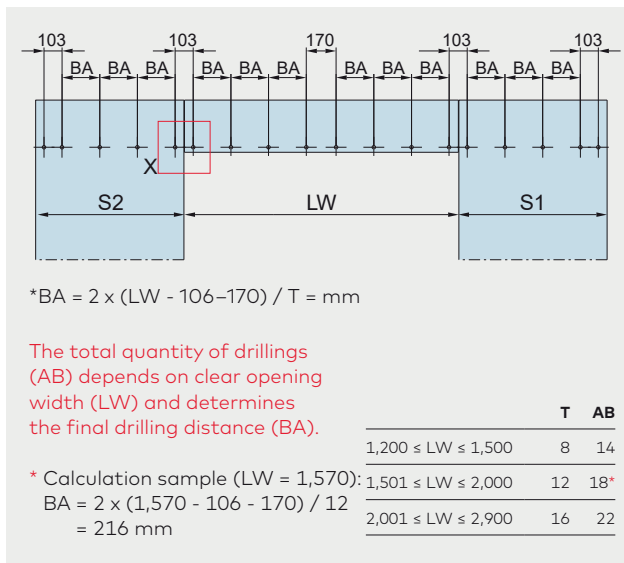
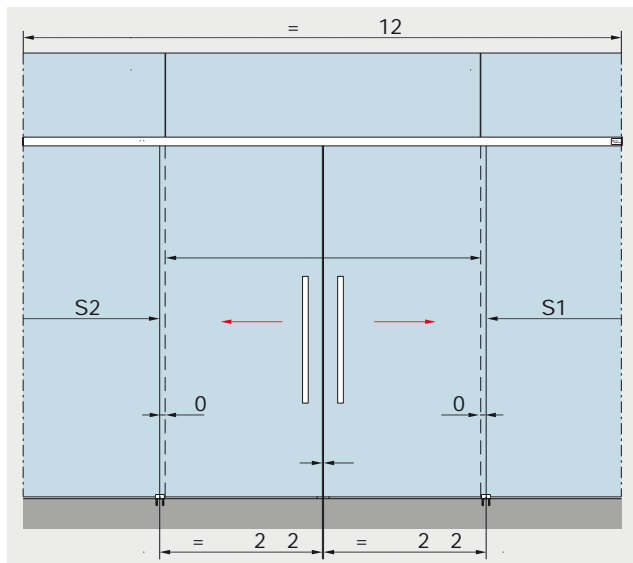
You will find a calculation tool for the glass preparation of the fixed parts MUTO on glass under the following link <https://glas-innovationen.com/glass-innovations/muto>

Glass preparation	Product description	Glass thickness
<p>Detail X</p>	For installation with one door panel Max. weight of door panels 80 kg, 150 kg Calculation of glass height $GH = LH + 22 \text{ mm}$, max. 3,000 mm Calculation of glass width $A = LW + 60 \text{ mm}$ min. 810 mm for Premium XL 80, min. 1,020 mm for Premium XL 150 max. 2,500 mm	8 – 13.5 mm

Fixed at glass	Product description	XL 80	XL 150
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed. MUTO Premium		
	min. glass width without DORMOTION	660 mm	660 mm
	min. clear opening width without DORMOTION	1,270 mm	1,270 mm
	min. glass width with DORMOTION	810 mm	1,020 mm
	min. clear opening width with DORMOTION	750 mm	960 mm
	max. Glass width	2,500 mm	2,500 mm
	max. Glass width	2,440 mm	2,440 mm

- A = Glass width
- AB = Quantity of drillings
- B = Length of track
- BA = Drilling distance
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- GH1 = Glass height sliding door
- T = Quantity of drillings distance signed with BA
- t1 = Glass thickness sliding door (8 – 13.5 mm)
- t2 = Glass thickness fixed panel (10 – 19 mm)
- Y = 72 mm – 20 mm – t1

Type illustrations with two door panels fixed at glass



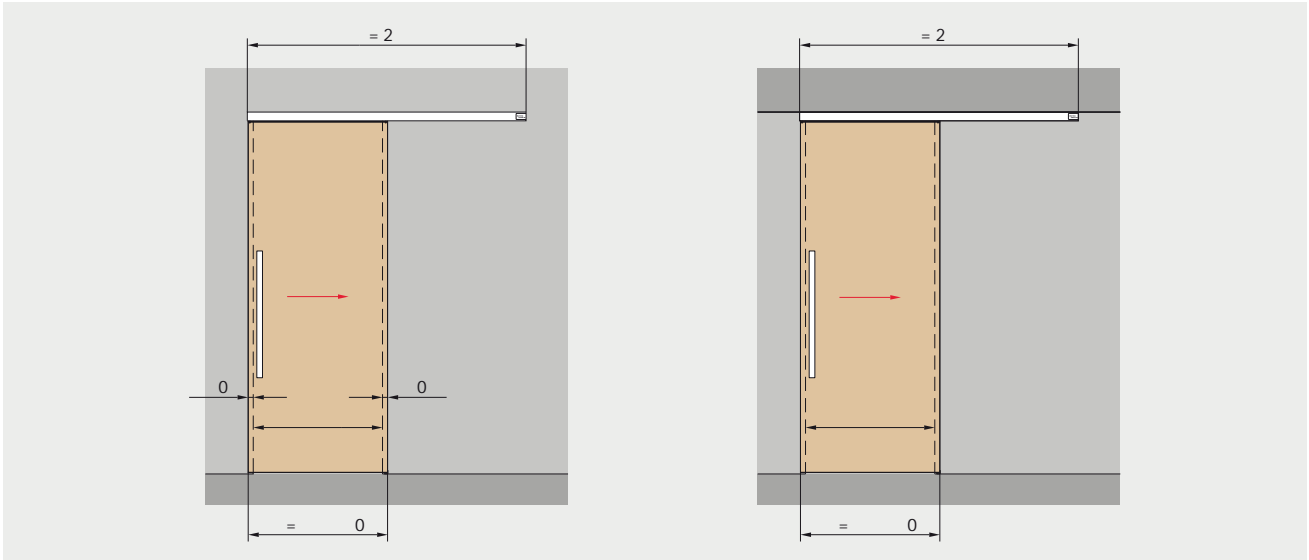
You will find a calculation tool for the glass preparation of the fixed parts MUTO on glass under the following link <https://glas-innovationen.com/glass-innovations/muto>

Glass preparation	Product description	Glass thickness
<p>Detail X</p>	For installation with two door panels with sidelights Max. weight of door panels 80 kg, 150 kg Calculation of glass height GH = LH + 22 mm, max. 3,000 mm Calculation of glass width A = LW / 2 + 27 mm min. 810 mm for Premium XL 80, max. 2 x 1,470 mm min. 1,020 mm for Premium XL 150, max. 2 x 1,470 mm	8 – 13.5 mm

Fixed at glass	Product description	XL 80	XL 150
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed. MUTO Premium		
	min. glass width without DORMOTION	660 mm	660 mm
	min. clear opening width without DORMOTION	1,270 mm	1,270 mm
	min. glass width with DORMOTION	810 mm	1,020 mm
	min. clear opening width with DORMOTION	1,570 mm	1,990 mm
	max. Glass width	1,470 mm	1,470 mm
	max. Clear opening width	2,890 mm	2,890 mm

- A = Glass width
- AB = Quantity of drillings
- B = Length of track
- BA = Drilling distance
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- GH1 = Glass height sliding door
- S1/S2 = Glass width sidelight
- T = Quantity of drillings distance signed with BA
- t1 = Glass thickness sliding door (8 – 13.5 mm)
- t2 = Glass thickness fixed panel (10 – 19 mm)
- Y = 72 mm – 20 mm – t1

Type illustrations for timber door applications

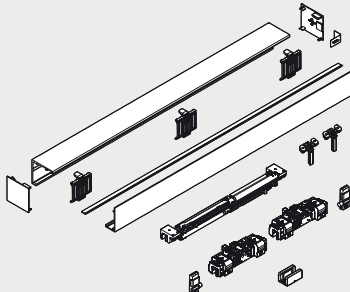
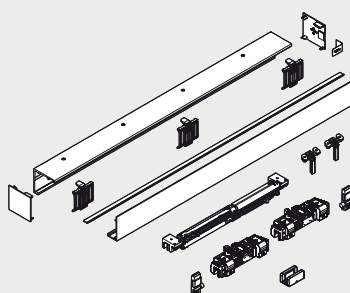


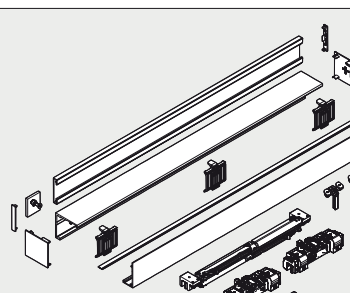
Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 80 kg 150 kg</p> <p>Calculation of door height fixed at wall $TH = LH - 18 + X$ mm max. 3,000 mm</p> <p>Calculation of door height fixed at ceiling $TH = H - 87$ mm max. 3,000 mm</p> <p>Calculation of door width $A = LW + 60$ mm min. 810 mm for Premium XL 80 min. 1,020 mm for Premium XL 150 max. 2 x 1,470 mm</p>	28 – 50 mm
<p>* Timber door 100 mm, solid wood, for attachment to timber adapter.</p>			

- 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)

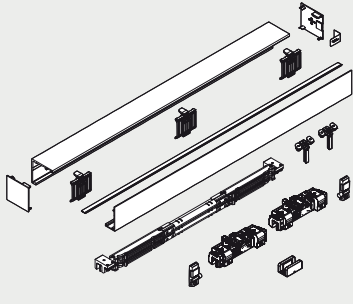
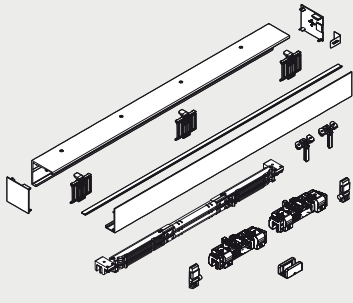
Complete sets – defined lengths

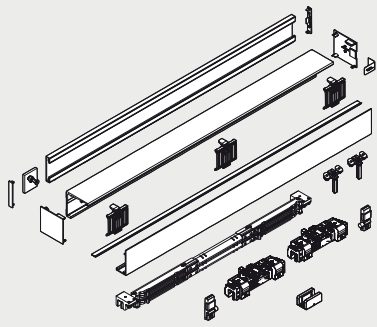
	Product description	Panel width	Profile length	Glass thickness	Art. No.
	MUTO Premium XL 80	900	1,780	8 – 13.5 mm	36.500
	Set for wall installation	1,200	2,380	8 – 13.5 mm	36.501
		1,450	2,880	8 – 13.5 mm	36.502
	incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps				
	max. 80 kg				
	MUTO Premium XL 80	900	1,780	8 – 13.5 mm	36.503
	Set for ceiling installation	1,200	2,380	8 – 13.5 mm	36.504
		1,450	2,880	8 – 13.5 mm	36.505
	incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps				
	max. 80 kg				

	Product description	Clear opening width	Panel width	Profile length	Glass thickness	Art. No.
	MUTO Premium XL 80	850	910	1,887	8 – 13.5 mm	36.506
	Set for glass installation	1,050	1,110	2,287	8 – 13.5 mm	36.507
		1,250	1,310	2,687	8 – 13.5 mm	36.508
	incl. track profile, cover profile and brushes, counter profile, DORMOTION unit*, accessory set, end caps					
	max. 80 kg					

*When using a DORMOTION damping unit, we recommend installation of a pull handle.

Note: Please take note of glass preparation on page 55

	Product description	Panel width	Profile length	Glass thickness	Art. No.
	MUTO Premium XL 150 Set for wall installation	1,250 1,450	2,480 2,880	8 – 13.5 mm 8 – 13.5 mm	36.509 36.510
	incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps max. 150 kg				
	MUTO Premium XL 150 Set for ceiling installation	1,250 1,450	2,480 2,880	8 – 13.5 mm 8 – 13.5 mm	36.511 36.512
	incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps max. 150 kg				

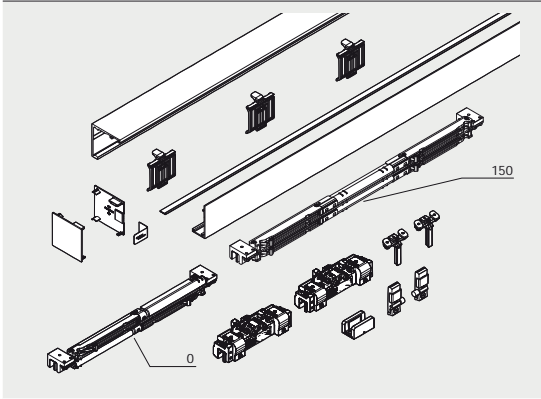
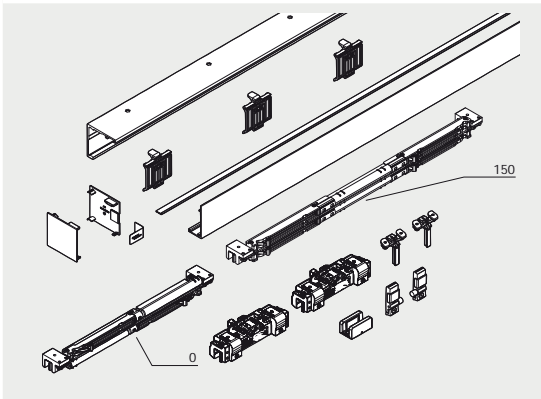
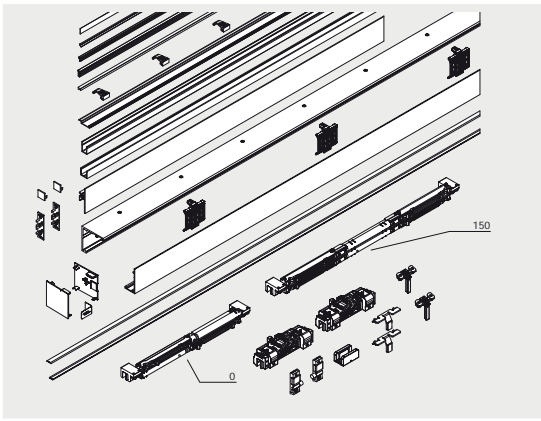
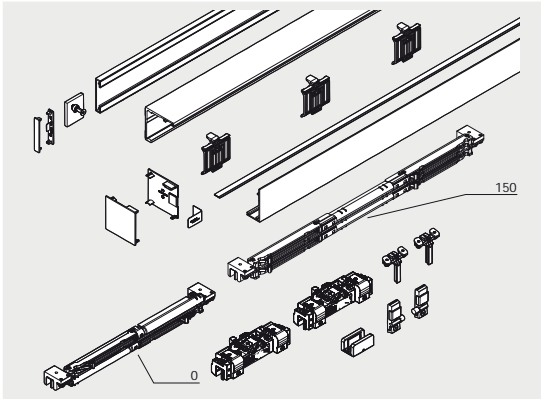
	Product description	Clear opening width	Panel width	Profile length	Glass thickness	Art. No.
	MUTO Premium XL 150 Set for glass installation	1,250 1,400	1,310 1,460	2,687 2,987	8 – 13.5 mm 8 – 13.5 mm	36.513 36.514
	incl. track profile, cover profile and brushes, counter profile, DORMOTION unit*, accessory set, end caps max. 150 kg					

*When using a DORMOTION damping unit, we recommend installation of a pull handle.

Note: Please take note of glass preparation on page 55

Complete sets – individual lengths

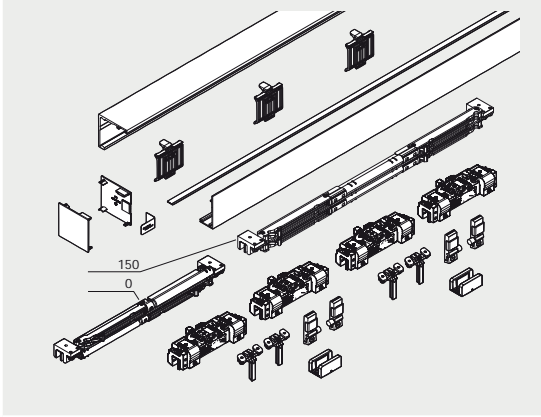
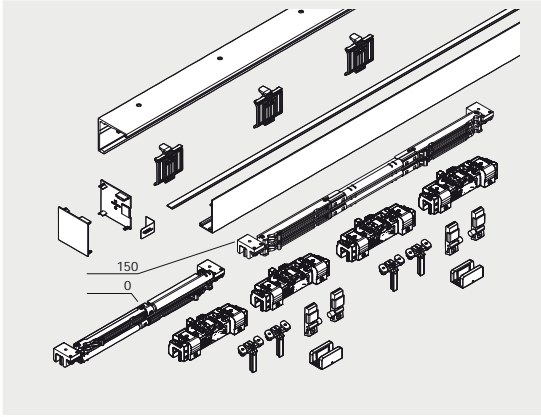
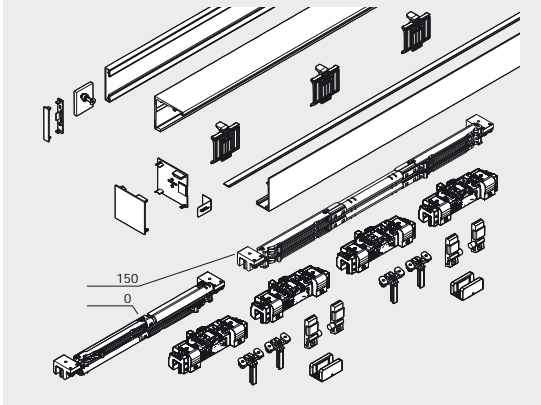
Note: Please indicate the clear width (LW) or the track length when ordering. When "mounting on glass", please specify only the clearance (LW). Glass preparation see page 55.

	Product description	Glass thickness	Art. No.
	MUTO Premium XL 80/150 Set for wall installation Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 2,500 mm	8–13.5 mm	36.520
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 2,500 mm	8–13.5 mm	36.521
	MUTO Premium XL 80/150 Set for ceiling installation Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 2,500 mm	8–13.5 mm	36.522
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 2,500 mm	8–13.5 mm	36.523
	MUTO Premium XL80/150 Complete set for installation at ceiling + side light Individual profile length up to max. 5,940 mm incl. track profile, cover profile, side light sight protection profile, filler profile, brushes, DORMOTION unit*, accessory set, end caps, max 80 kg		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 2,500 mm	8–13,5 mm	36.515
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 2,500 mm	8–13,5 mm	36.516
	MUTO Premium XL 80/150 Set for glass installation Individual profile length up to max. 5,067 mm incl. track profile, cover profile and brushes, counter profile, DORMOTION unit*, accessory set, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 2,500 mm	8–13.5 mm	36.524
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 2,500 mm	8–13.5 mm	36.525

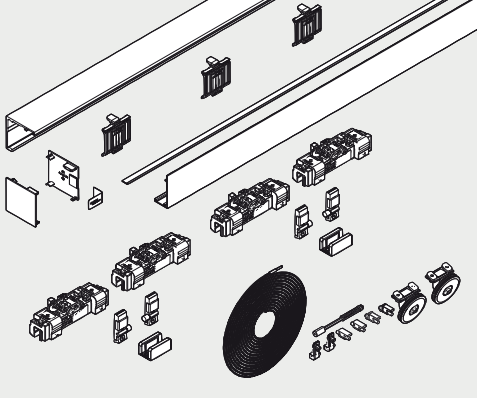
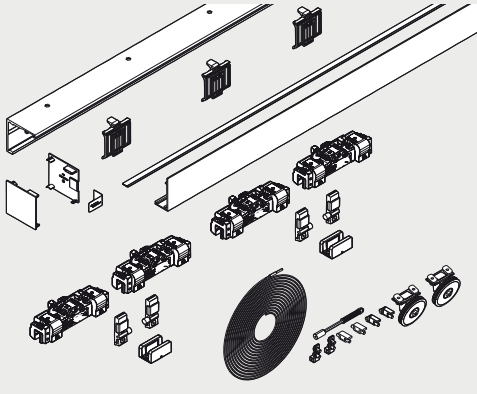
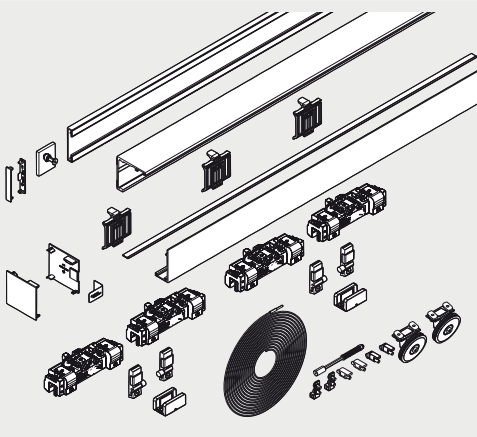
*When using a DORMOTION damping unit, we recommend installation of a pull handle.

Complete sets – individual lengths, with two door panels

Note: Please indicate the clear width (LW) or the track length when ordering. When "mounting on glass", please specify only the clearance (LW). Glass preparation see page 56.

	Product description	Glass thickness	Art. No.
	MUTO Premium XL 80/150 Set for wall installation (with two door panels) Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, DORMOTION unit*, accessory sets, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 1,470 mm	8–13.5 mm	36.526
	MUTO Premium XL 80/150 Set for ceiling installation (with two door panels) Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, DORMOTION unit*, accessory sets, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 1,470 mm	8–13.5 mm	36.528
	MUTO Premium XL 80/150 Set for glass installation (with two door panels) Individual profile length up to max. 5,940 mm incl. track profile, cover profile and brushes, counter profile, DORMOTION unit*, accessory sets, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 1,470 mm	8–13.5 mm	36.530
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 1,470 mm	8–13.5 mm	36.531

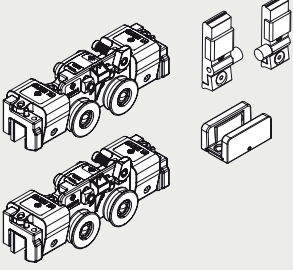
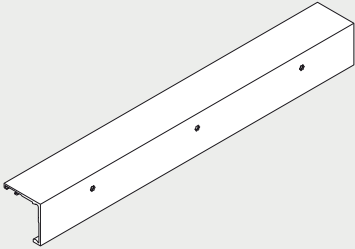
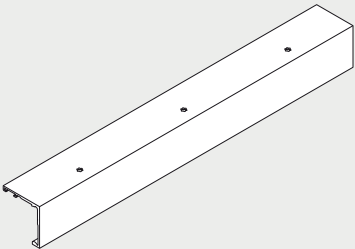
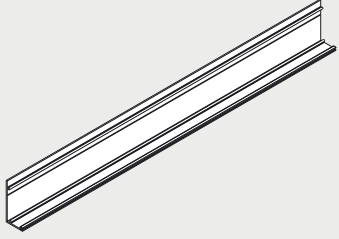
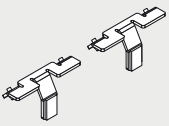
*When using a DORMOTION damping unit, we recommend installation of a pull handle.

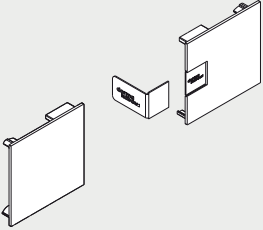
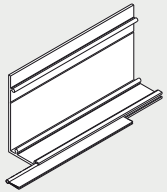
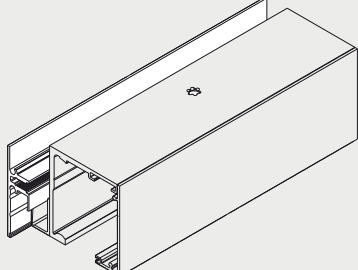
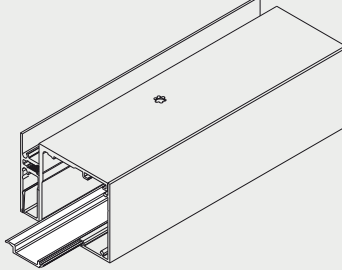
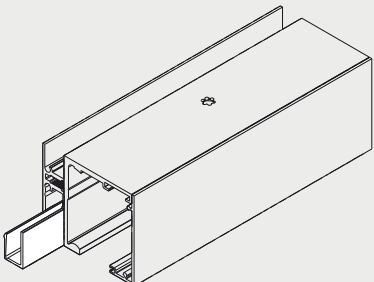
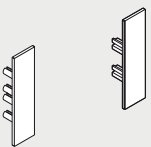
	Product description	Glass thickness	Art. No.
	<p>Premium XL Synchro Set for 2-panel door, wall installation, fixed length without DORMOTION Profile length xxxx mm* (max. 5,940 mm) Min. panel width 660 mm Max. panel width 1,470 mm</p> <p>Incl. track profile, cover profile and brushes</p>	8–13.5 mm	36.532
	<p>Premium XL Synchro Set for 2-panel door, ceiling installation, fixed length without DORMOTION Profile length xxxx mm* (max. 5,940 mm) Min. panel width 660 mm Max. panel width 1,470 mm</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness</p>	8–13.5 mm	36.533
	<p>Premium XL Synchro Set for 2-panel door, glass installation, fixed length without DORMOTION Profile length xxxx mm* (max. 5,940 mm) Min. panel width 660 mm (min. LW 1,266 mm) Max. panel width 1,470 mm (max. LW 2,886 mm)</p> <p>Incl. track profile, cover profile, counter profile and brushes</p>	8–13.5 mm	36.534

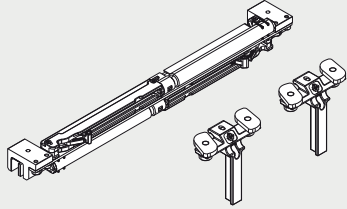
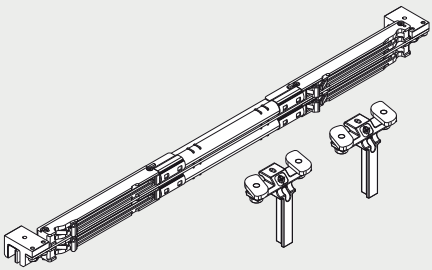
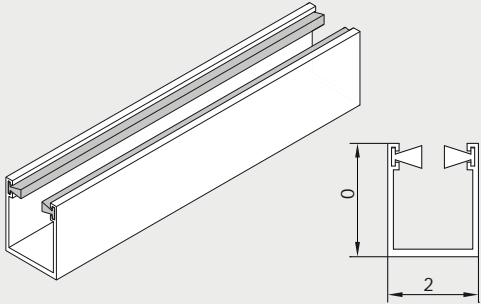
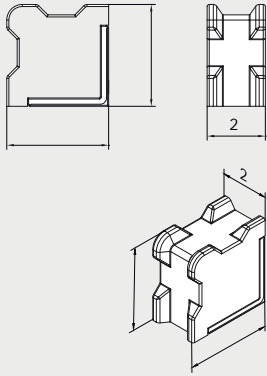
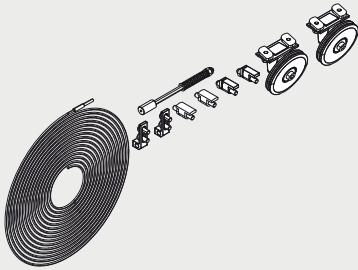
* to be defined by customer

Note: Please indicate the clear width (LW) or the track length when ordering. For "mounting on glass", please specify only the clear width (LW). Observe glass processing page 56.

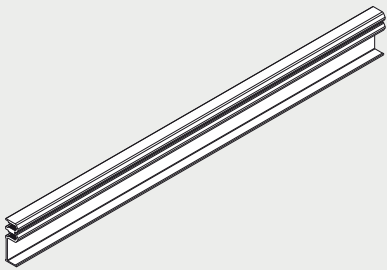
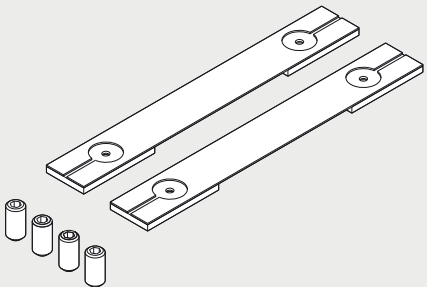
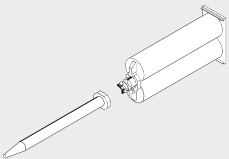
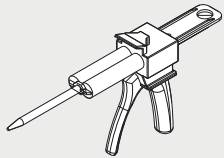
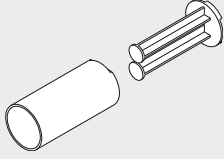
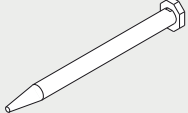
Component parts

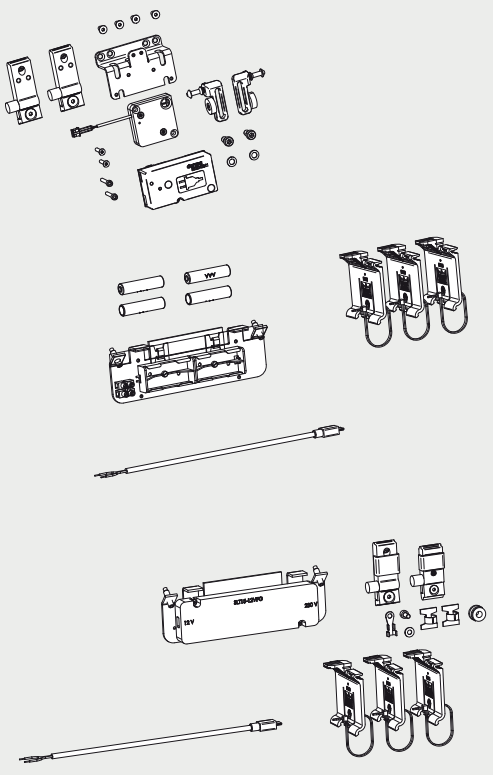
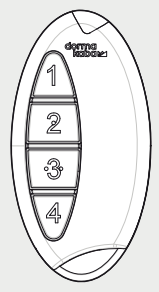
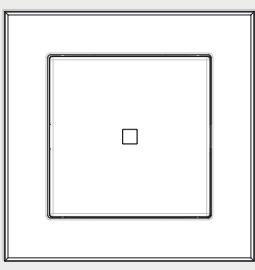
	Product description	Art. No.
	<p>MUTO Premium XL 80/150 Accessory set Consisting of: 2 Clamp carriers 2 Endstops 1 Floor guide</p>	<p>36.550</p>
	<p>MUTO Premium XL 80/150 Track rail DORMOTION <i>Fixed at wall</i></p> <p>stock length 6,000 mm fixed length</p>	<p>36.552 36.553</p>
	<p>MUTO Premium XL 80/150 Track rail DORMOTION <i>Fixed at ceiling</i></p> <p>stock length 6,000 mm fixed length</p>	<p>36.554 36.555</p>
	<p>MUTO Premium XL 80/150 Cover profile</p> <p>stock length 6,000 mm fixed length</p>	<p>36.566 36.567</p>
	<p>MUTO spacer (2 pieces) for installation between two walls</p>	<p>36.890</p>

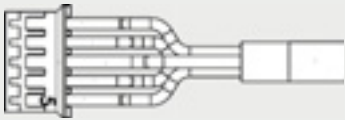
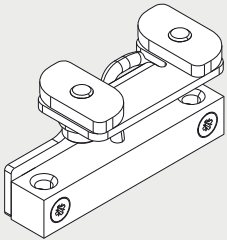
	Product description	Art. No.
	<p>MUTO Premium XL 80/150 Set endcaps for wall and ceiling installation</p>	<p>36.556</p>
	<p>MUTO Brush profile set for Comfort L and Premium XL Consisting of: 1 brush profile 8 – 10 mm glass 1 brush profile 12 – 13.5 mm glass</p>	<p>36.265</p>
	<p>MUTO Premium XL 80/150 Side light profile 69 mm high, with gaskets, for 8 – 13.5 mm glass</p> <p>stock length 6,000 mm fixed length</p> <p>When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).</p>	<p>36.469 36.474</p>
	<p>MUTO Filling profile for Comfort L, Premium XL and Self-Closing, for side light profile</p> <p>stock length 6,000 mm fixed length</p>	<p>36.800 36.801</p>
	<p>MUTO Filling profile for Comfort L, Premium XL and Self-Closing,</p> <p>stock length 6,000 mm fixed length</p>	<p>36.802 36.803</p>
	<p>MUTO Premium XL 80/150 End caps for side light profile, 58 mm high each 2 mm width (When installing between two walls, please give particular attention to it.)</p>	<p>36.471</p>

	Product description	Art. No.
	<p>MUTO Premium XL 80 DORMOTION unit Panel width min. 810 mm for max. 80 kg, incl. starter</p> <p>When using a DORMOTION damping unit, we recommend installation of a pull handle.</p>	<p>36.557</p>
	<p>MUTO Premium XL 150 DORMOTION unit Panel width min. 1,020 mm for max. 150 kg, incl. starter</p> <p>When using a DORMOTION damping unit, we recommend installation of a pull handle.</p>	<p>36.558</p>
	<p>MUTO Premium XL 80/150 Subsurface floor guide track rail with brushes</p> <p>stock length 6,000 mm fixed length</p>	<p>36.561 36.562</p>
	<p>MUTO Comfort Floorstop for Comfort M, L and Premium XL, for glass- oder timber side light</p>	<p>36.851</p>
	<p>MUTO Premium XL 80/150 Synchro set Consisting of: 1 wire 2 pulley</p> <p>Max. 80 kg per panel</p> <p>only possible without locking device</p>	<p>36.560 Optional</p>

	Product description	Art. No.
	<p>MUTO Premium XL 80/150 Timber adapter set Profile 12.5 x 36 mm + 12.5 x 4 mm, incl. Accessories (with timber floor guide)</p> <p>1,460 mm fixed length max. 2,500 mm</p> <p>Please indicate the panel width with your order!</p>	<p>36.461 36.464</p>
	<p>MUTO Floor profile for Comfort L and Premium XL, for fixing side light, with gaskets, for 8 – 13.5 mm glass, incl. end caps</p> <p>stock length 6,000 mm fixed length</p>	<p>36.810 36.811</p>
	<p>MUTO End caps (2 pieces) for Comfort L and Premium XL, for Floor profile, for fixing side light</p>	<p>36.812</p>
	<p>MUTO Premium - balance profile set 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.870</p>
	<p>MUTO Premium - balance profile set 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.871</p>

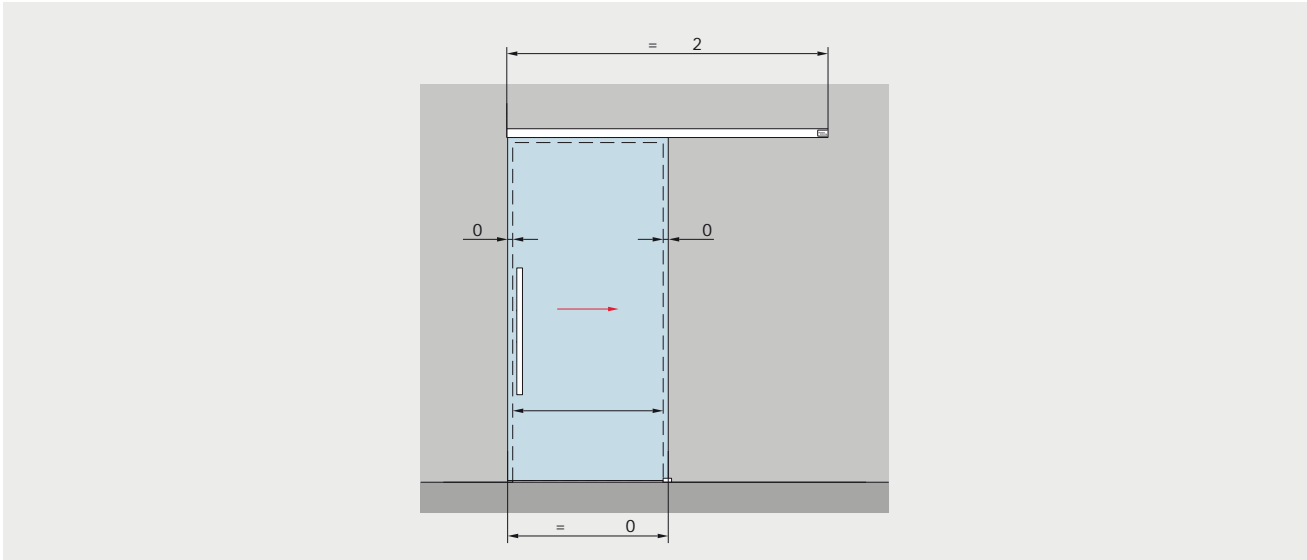
	Product description	Art. No.
	<p>MUTO Connecting profile for false ceilings, incl. accessory set for Comfort M, L and Premium XL,</p> <p>stock length 6,000 mm fixed length</p>	<p>36.821 36.820</p>
	<p>MUTO Premium XL 80/150 LSG-Set Accessory set for use with LSG for one pair of clamp carrier</p> <p>Consisting of: 2 Gaskets 4 injector screw</p> <p>Please order the LSG glue 07.631 separately</p>	<p>36.468</p>
	<p>Special adhesive for use with LSG The contents of the cartridge are sufficient for 10 clamp carriers (varies if the nozzle contents have dried out!) If necessary, order additional spare nozzles (art. no. 07630).</p>	<p>07.631</p>
	<p>Automix gun for LSG Use in combination with article 07.631</p>	<p>07.629</p>
	<p>Automix adapter for LSG Use in combination with article 07.631</p>	<p>07.628</p>
	<p>Spare nozzle for LSG Use in combination with article 07.631</p>	<p>07.630</p>

	Product description	Art. No.
	<p>MUTO Integrated locking device for Premium XL and Self-Closing, not suitable as a security barrier (only in combination with DORMOTION, not in combination with Synchro)</p> <p>Consisting of: 1 Adapter for track reception 1 Lock reception 1 Locking device 1 Frame system L & frame system XL 1 Battery</p> <p>* Battery for re-ordering</p>	<p>36.842</p> <p>38.845</p>
	<p>MUTO Radio remote control for Comfort L, Premium XL and Self-Closing,</p> <p>1 Radio remote control 1 Battery</p>	<p>36.848</p>
	<p>MUTO Wall switch with radio remote control for Comfort L, Premium XL and Self-Closing,</p> <p>1 Wall switch 1 Battery</p>	<p>36.849</p>

	Product description	Art. No.
	MUTO Accessory for locking unit for Comfort L, Premium XL and Self-Closing, 1 cable set for an optional use of the status indicator integrated in the locking unit	36.855
	MUTO Locking device set for Comfort L and Premium XL Consisting of: 1 Sensor 1 Adapter for track reception 1 Cable	36.840

Vertical brush seals can be found on page 188

Type illustrations wall installation



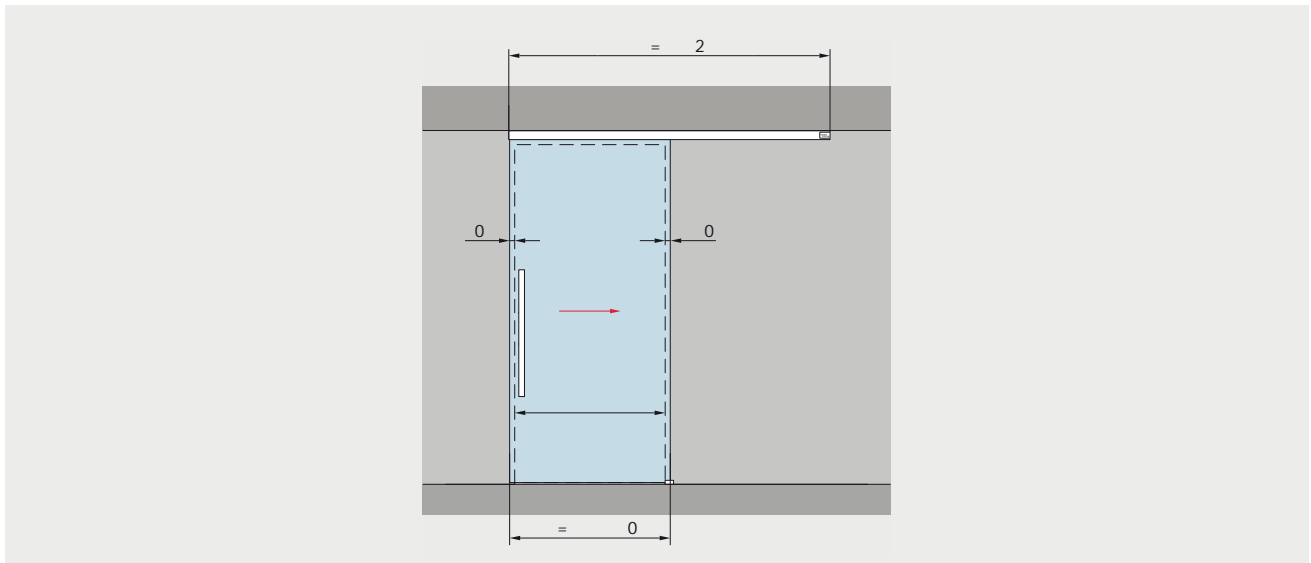
Opening to right side, closing to left side (DIN left)

Fixed at wall	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 120 kg</p> <p>Calculation of glass height GH1 = LH + 22 + X mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 60 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm</p>	<p>8 – 13.5 mm</p>

Right: Opening to right side, closing to left side (DIN Left)
 Left: Opening to left side, closing to right side (DIN Right)

- 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 = 100 mm – 20 mm – t
- X = Freely selectable protrusion (depending on structural conditions)

Type illustrations ceiling installation



Opening to right side, closing to left side (DIN left)

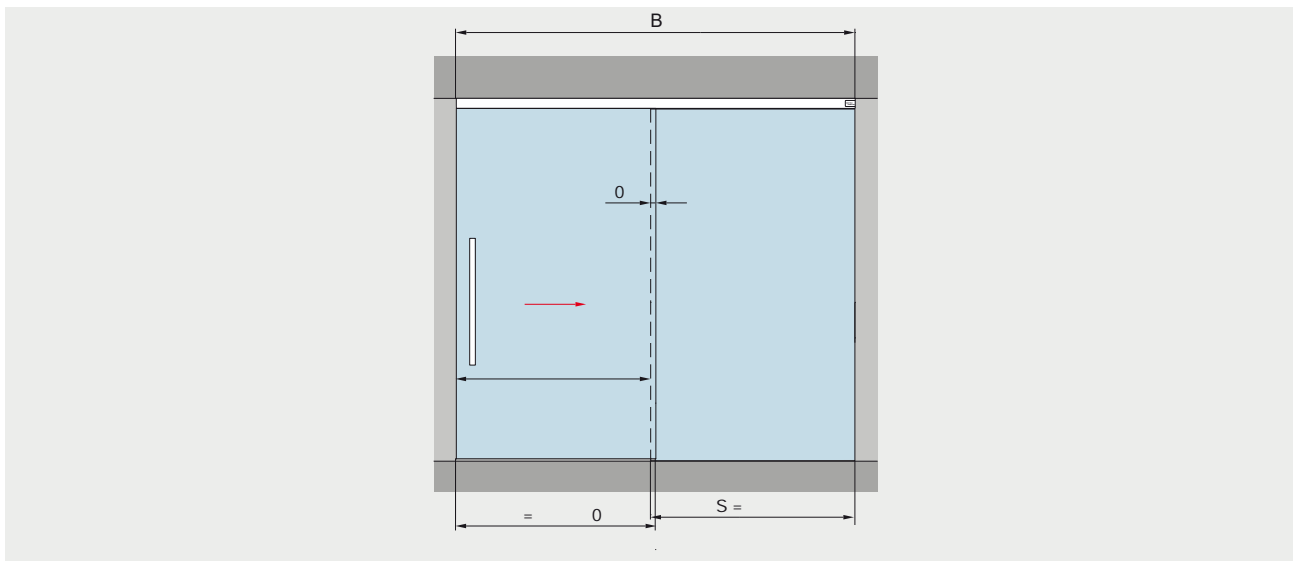
Fixed at ceiling	Product description	Glass thickness
	<p>For installation with one door panel</p> <p>Max. weight of door panels 120 kg</p> <p>Calculation of glass height GH1 = H - 47 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 60 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm</p>	8 – 13.5 mm

Right: Opening to right side, Closing to left side (DIN Left)
Left: Opening to left side, Closing to right side (DIN Right)

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 = 100 mm - 20 mm - t

Type illustrations with sidelight, on one side



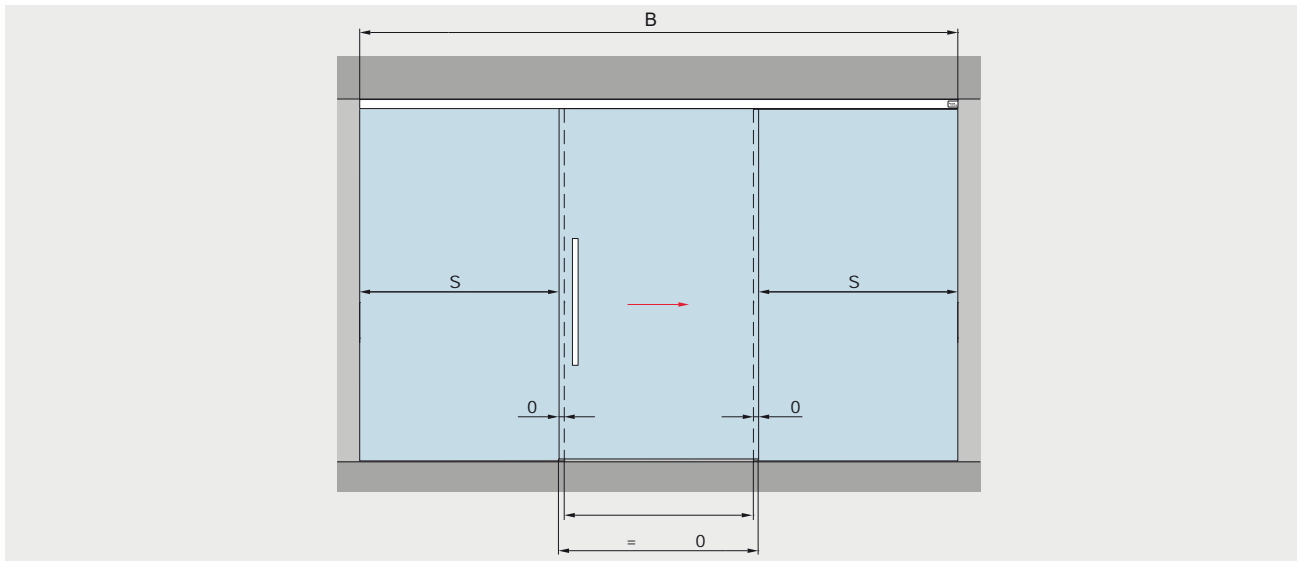
Opening to right side, closing to left side (DIN left)

Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 120 kg</p> <p>Calculation of glass height for installation at ceiling GH1 = H - 47 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass height for installation at false ceiling GH1 = LH + 21 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 30 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm</p>	<p>8 – 13.5 mm</p>

Right: Opening to right side, closing to left side (DIN Left)
 Left: Opening to left side, closing to right side (DIN Right)

- 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 = 100 mm - 20 mm - t1

Type illustrations with sidelight, on both sides



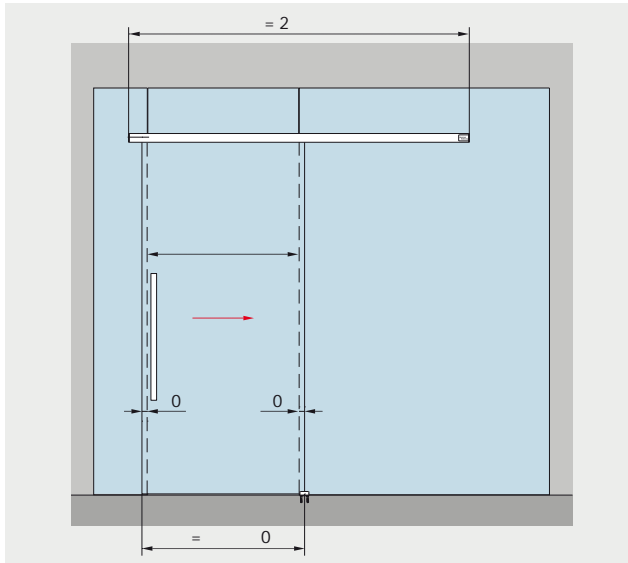
Opening to right side, closing to left side (DIN left)

Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 120 kg</p> <p>Calculation of glass height for installation at ceiling GH1 = H - 47 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass height for installation at false ceiling GH1 = LH + 21 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW + 30 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm</p>	8 – 13.5 mm

Right: Opening to right side, closing to left side (DIN Left)
 Left: Opening to left side, closing to right side (DIN Right)

- | | | |
|---------------------------------|---------------------------|-----------------------------------|
| A = Glass width | H = Total height | t1 = Glass thickness sliding door |
| B = Length of track | LH = Clear opening height | t2 = Glass thickness sidelight |
| GH1 = Glass height sliding door | LW = Clear opening width | Y = 100 mm - 20 mm - t1 |
| GH2 = Glass height sidelight | S = Glass width sidelight | |

Type illustrations glass installation



Opening to right side, closing to left side (DIN left)

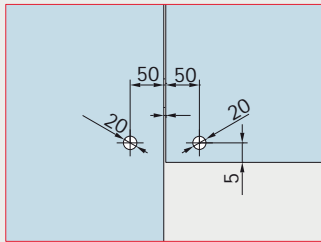
$BA = 2 \times (LW - 106) / T^* = \text{mm}$

The total quantity of drillings (AB) depends on clear opening width (LW) and determines the final drilling distance (BA).

	T*	AB
$790 \leq LW \leq 800$	4	8
$801 \leq LW \leq 1,000$	6	10
$1,001 \leq LW \leq 1,200$	8	12
$1,201 \leq LW \leq 1,500$	10	14
$1,501 \leq LW \leq 2,000$	12	16
$2,001 \leq LW \leq 2,500$	14	18

* Calculation sample (LW = 790):
 $BA = 2 \times (790 - 106) / 4 = 342 \text{ mm}$

Glass preparation



Detail X

Product description

For installation with one door panel

Max. weight of door panels
120 kg

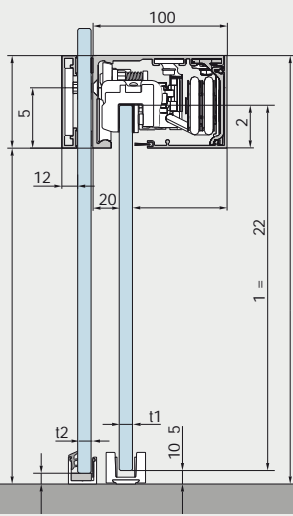
Calculation of glass height
GH = LH + 22 mm, max. 3,000 mm

Calculation of glass width
A = LW + 60 mm, min. 850 mm (DORMOTION on one side)
Max. travel 1,450 mm

Glass thickness

8 – 13.5 mm

Fixed at glass



Product description

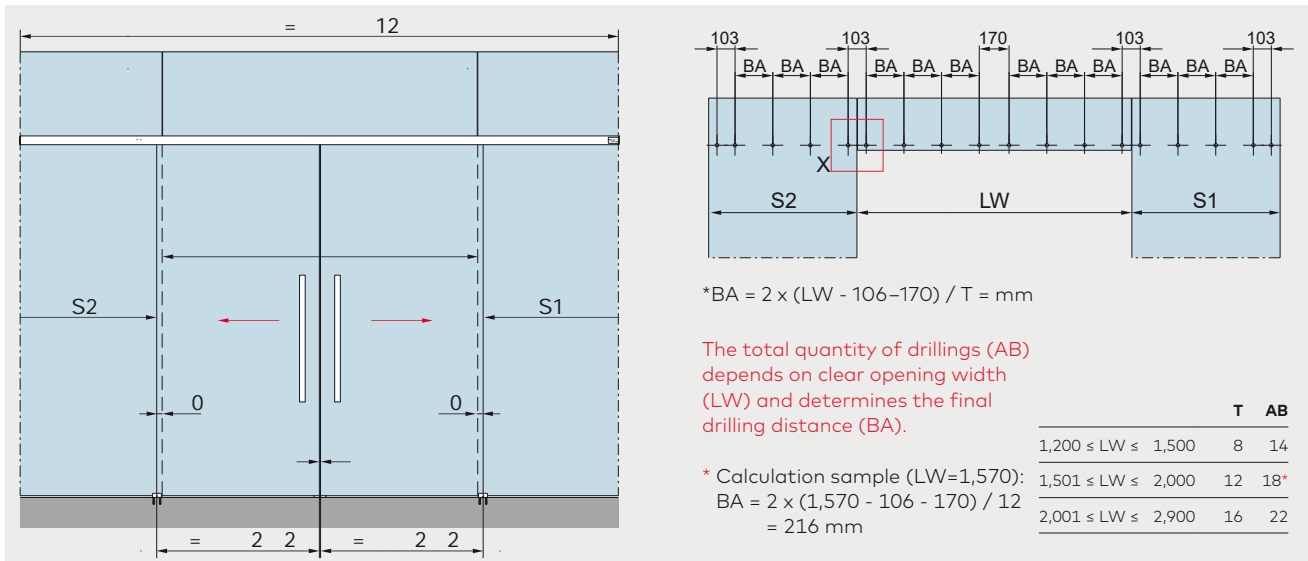
To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.

MUTO Premium

min. glass width	850 mm
min. clear opening width	790 mm
Max. travel	1,450 mm
max. clear opening width	2,886 mm

- A = Glass width
- AB = Quantity of drillings
- B = Length of track
- BA = Drilling distance
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- GH1 = Glass height sliding door
- T = Quantity of drillings distance signed with BA
- t1 = Glass thickness sliding door (8 – 13.5 mm)
- t2 = Glass thickness fixed panel (10 – 19 mm)
- Y = 100 mm – 20 mm – t1

Type illustrations with two door panels fixed at glass



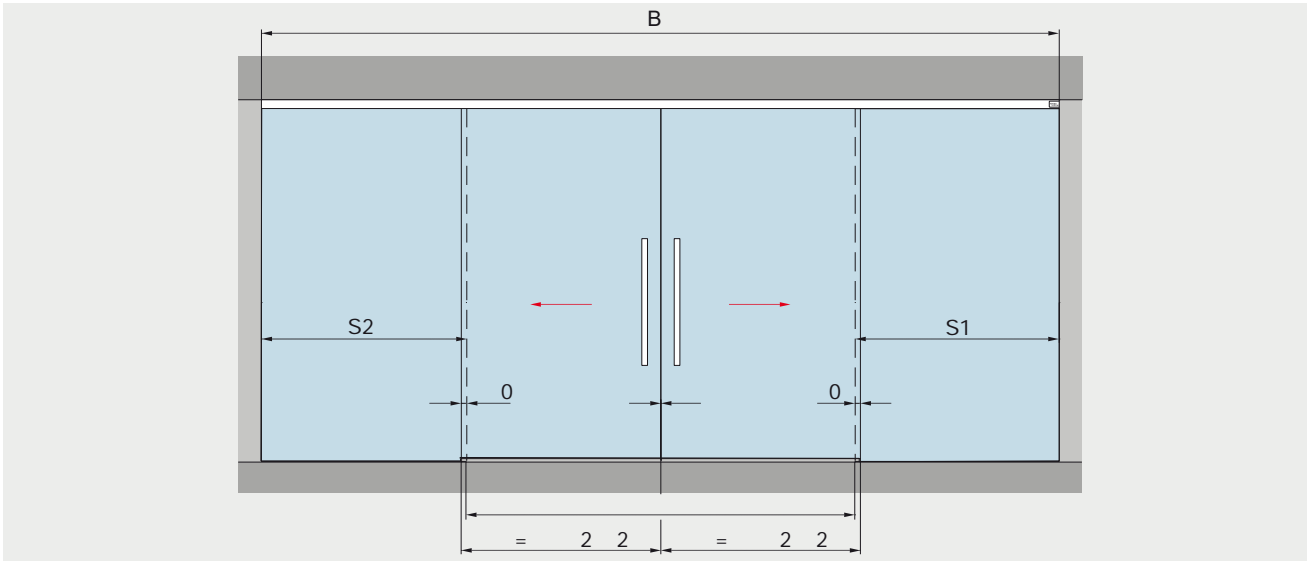
You will find a calculation tool for the glass preparation of the fixed parts MUTO on glass under the following link <https://glas-innovationen.com/glass-innovations/muto>

Glass preparation	Product description	Glass thickness
<p>Detail X</p>	For installation with two door panels Max. weight of door panels 120 kg Calculation of glass height GH = LH + 22 mm, max. 3,000 mm Calculation of glass width A = LW / 2 + 27 mm min. 850 mm max. 2 x 1,470 mm	8 – 13.5 mm

Fixed at glass	Merkmale und Daten	Self-Closing 120
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.	
	min. glass width without DORMOTION	-
	min. clear opening width without DORMOTION	-
	min. door width	850 mm
	min. clear opening width	1,646 mm
	max. door width	1,470 mm
	max. clear opening width	2,886 mm

- A = Glass width
- AB = Quantity of drillings
- B = Length of track
- BA = Drilling distance
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- GH1 = Glass height sliding door
- T = Quantity of drilling distance signed with BA
- t1 = Glass thickness sliding door
- t2 = Glass thickness fixed panel (10 – 19 mm)
- Y = 100 mm – 20 mm – t1

Type illustrations with two door panels with sidelight

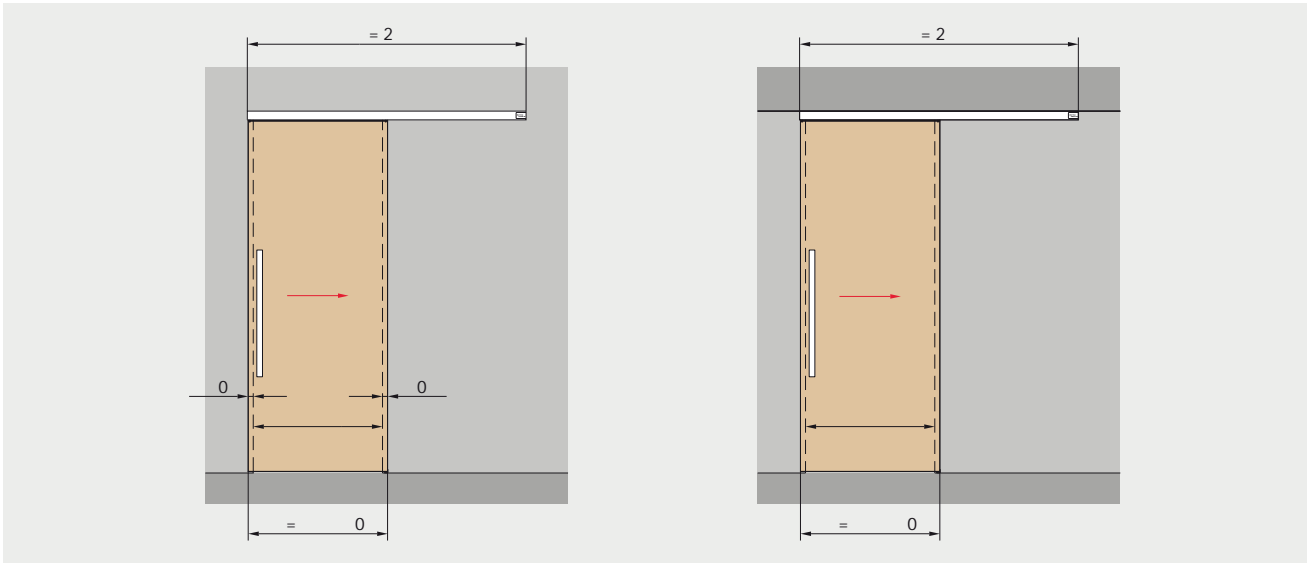


Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		<p>For installation with two door panels with sidelights</p> <p>Max. weight of door panels 120 kg</p> <p>Calculation of glass height for installation at ceiling GH1 = H - 47 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass height for installation at false ceiling GH1 = LH + 21 mm GH2 = LH + 7 mm max. 3,000 mm</p> <p>Calculation of glass width A = LW / 2 + 27 mm min. 2 x 850 mm max. 2 x 1,470 mm</p>	8 – 13.5 mm

Right: Opening to right side, closing to left side (DIN Left)
 Left: Opening to left side, closing to right side (DIN Right)

- 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 = 100 mm - 20 mm - t1

Type illustrations for timber door applications



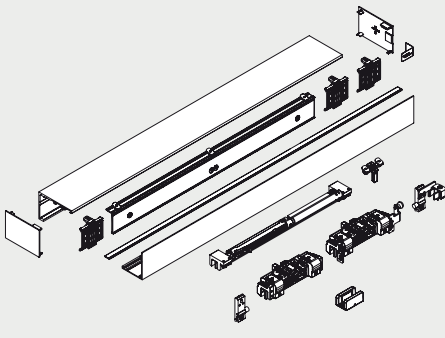
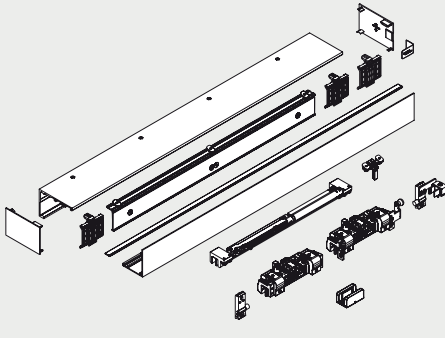
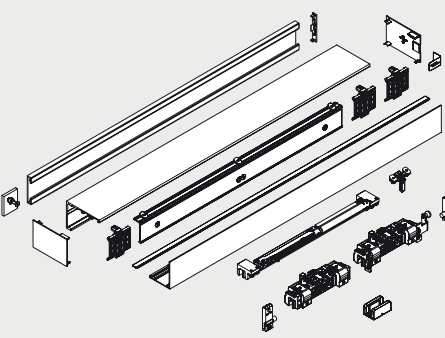
Opening to right side, closing to left side (DIN left)

Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		<p>For installation with one door panel</p> <p>Max. weight of door panels 120 kg</p> <p>Calculation of door height fixed at wall $TH = LH - 18 + X$ mm max. 3,000 mm</p> <p>Calculation of door height fixed at ceiling $TH = H - 87$ mm max. 3,000 mm</p> <p>Calculation of door width $A = LW + 60$ mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm</p>	28 – 50 mm
<p>* Timber door 100 mm, solid wood, for attachment to timber adapter.</p>			

- 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)
- Y = 100 mm – 20 mm – t1

Complete sets - defined panel width

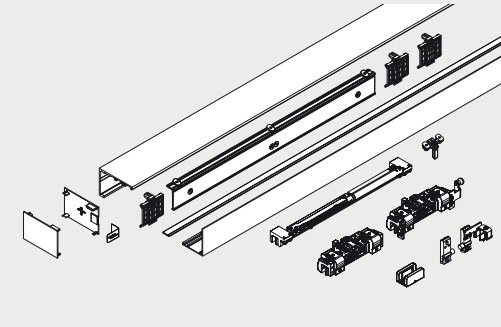
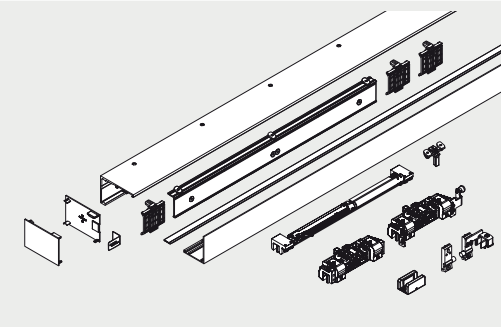
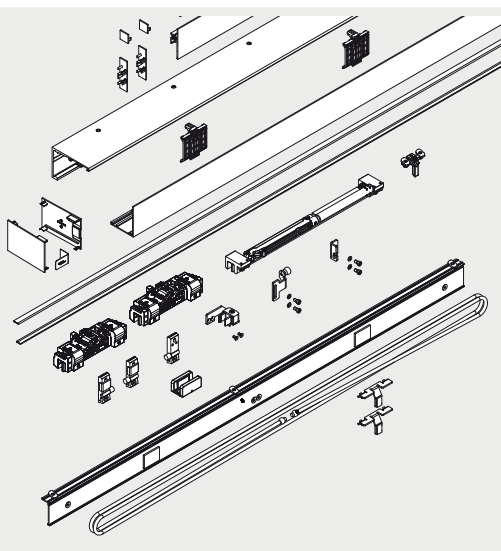
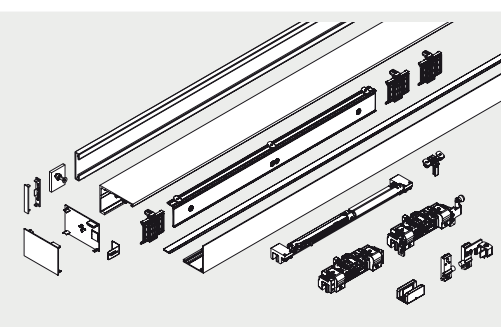
	Product description	Clear opening width	Panel width	Profile length	Art. No.	
	MUTO Premium Self-Closing 120 Fixed at wall incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps for 8 – 13.5 mm glass thickness, max. 120 kg	Right	950	1,880	36.600	
		Left	950	1,880	36.601	
		Right	1,250	2,480	36.610	
		Left	1,250	2,480	36.611	
		Right	1,450	2,880	36.602	
		Left	1,450	2,880	36.603	
	MUTO Premium Self-Closing 120 Fixed at ceiling incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps for 8 – 13.5 mm glass thickness, max. 120 kg	Right	950	1,880	36.604	
		Left	950	1,880	36.605	
		Right	1,250	2,480	36.612	
		Left	1,250	2,480	36.613	
		Right	1,450	2,880	36.606	
		Left	1,450	2,880	36.607	
	MUTO Premium Self-Closing 120 Fixed at glass incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps for 8 – 13.5 mm glass thickness, max. 120 kg Note: Please take note of glass preparation on page 74	Right	850	910	1,887	36.614
		Left	850	910	1,887	36.615
		Right	1,050	1,110	2,287	36.161
		Left	1,050	1,110	2,287	36.617
		Right	1,250	1,310	2,687	36.608
		Left	1,250	1,310	2,687	36.609

Right: Opening to right side, Closing to left side (DIN Left)

Left: Opening to left side, Closing to right side (DIN Right)

*When using a DORMOTION damping unit, we recommend installation of a pull handle.

Complete sets - defined lengths

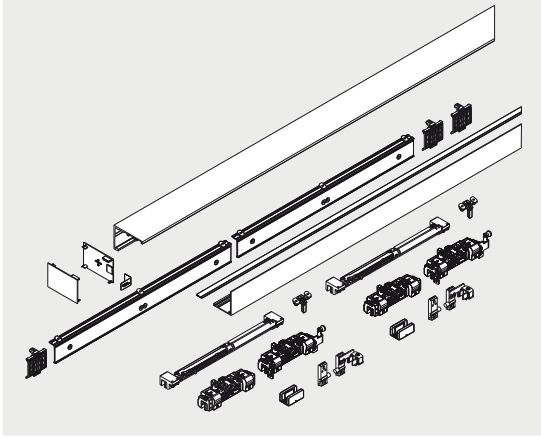
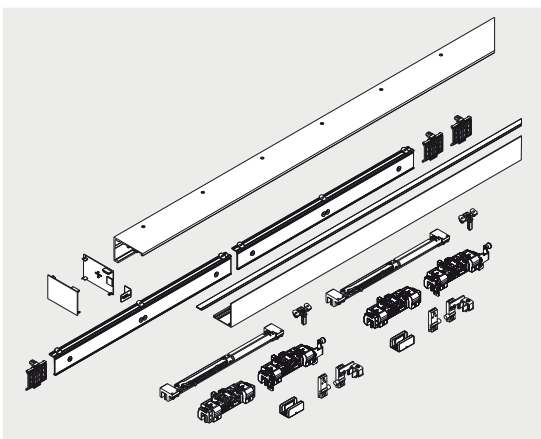
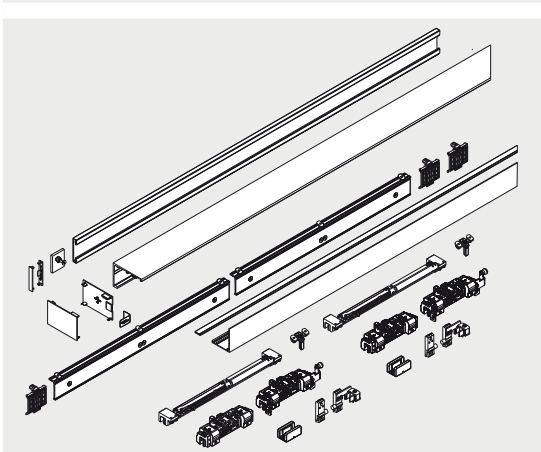
	Product description	Glass thickness	Art. No.
	MUTO Premium Self-Closing 120 Fixed at wall Individual profile length up to max. 5,940 mm min. glass width 850 mm, max. 1,500 mm incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps max. 120 kg Please indicate clear opening width or track length with order!	Right 8–13.5 mm	36.620
		Left	36.621
	MUTO Premium Self-Closing 120 Fixed at ceiling Individual profile length up to max. 5,940 mm min. glass width 850 mm, max. 1,500 mm incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps max. 120 kg Please indicate clear opening width or track length with order!	Right 8–13.5 mm	36.622
		Left	36.623
	MUTO Premium Self-Closing 120 Fixed at ceiling + side light Individual profile length up to max. 5,940 mm min. glass width 850 mm, max. 1,500 mm incl. track profile, cover profile, side light sight protection and filler profile, brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps max. 120 kg Please indicate track length with order!	Right 8–13.5 mm	36.629
		Left	36.630
	MUTO Premium Self-Closing 120 Fixed at glass Individual profile length up to max. 3,067 mm min. glass width 850 mm, max. 1,500 mm incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps max. 120 kg Please indicate clear opening width with order!	Right 8–13.5 mm	36.624
		Left	36.625

Right: Opening to right side, Closing to left side (DIN Left)

Left: Opening to left side, Closing to right side (DIN Right)

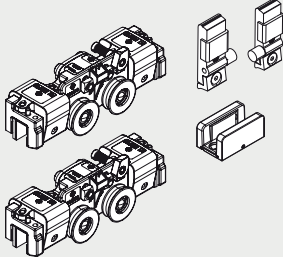
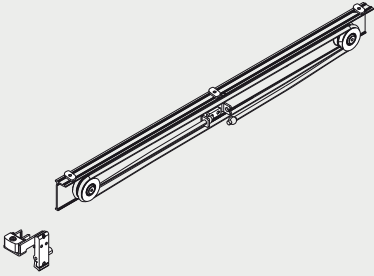
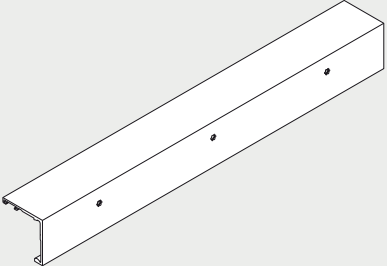
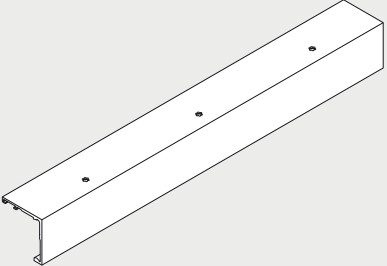
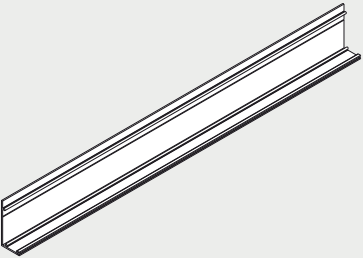
*When using a DORMOTION damping unit, we recommend installation of a pull handle.

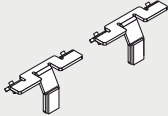
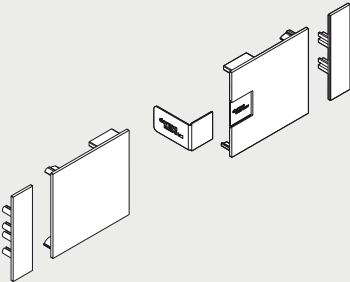
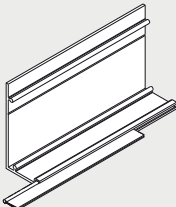
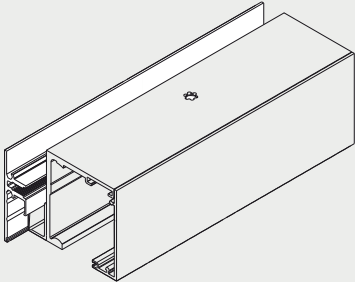
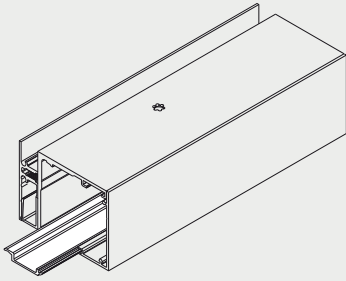
Note: Please take note of glass preparation on page 74

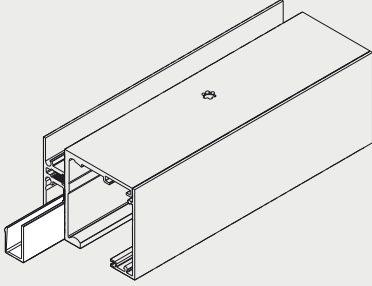
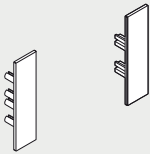
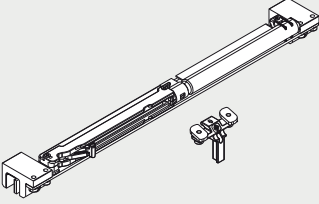
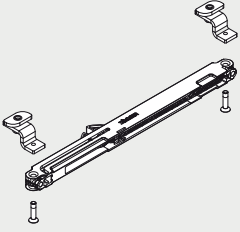
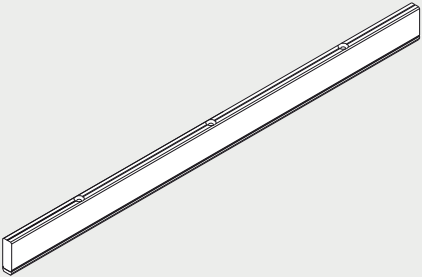
	Product description	Art. No.
	<p>MUTO Premium Self-Closing 120 Set for doors with two panels fixed at wall, fixed length, incl. DORMOTION, max. 120 kg. min. panel width 850 mm profile length xxxx mm* (max. 5,940 mm) max. panel width 1,470 mm, incl. track profile, cover profile and brushes complete accessory for 8 - 13.5 mm glass thickness Please indicate clear opening width or track length with order!</p>	36.626
	<p>MUTO Premium Self-Closing 120 Set for doors with two panels fixed at ceiling, fixed length, incl. DORMOTION, max. 120 kg. min. panel width 850 mm profile length xxxx mm* (max. 5,940 mm) max. panel width 1,470 mm, incl. track profile, cover profile and brushes complete accessory for 8 - 13.5 mm glass thickness Please indicate clear opening width or track length with order!</p>	36.627
	<p>MUTO Premium Self-Closing 120 Set for doors with two panels fixed at glass, fixed length, incl. DORMOTION, max. 120 kg. min. panel width 850 mm (min. LW 1,646 mm) clear opening width xxxx mm* (max. 5,880 mm) max. panel width 1,470 mm (max. LW 2,886 mm), incl. track profile, cover profile, counter profile and brushes complete accessory for 8 - 13.5 mm glass thickness Please indicate clear opening width with order and take note of glass preparation on page 75</p>	36.628

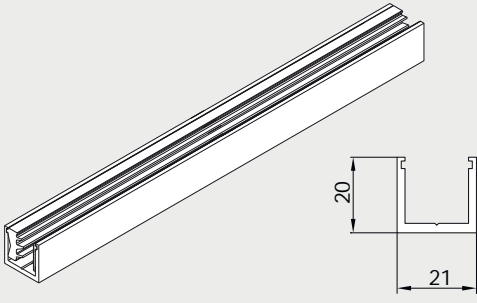
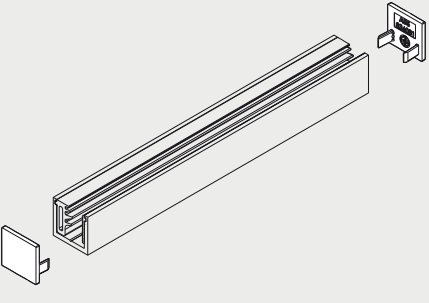
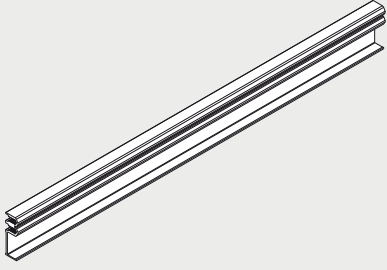
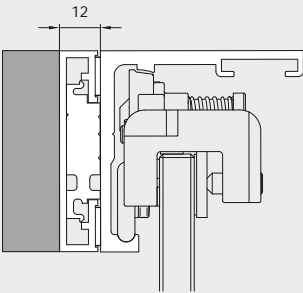
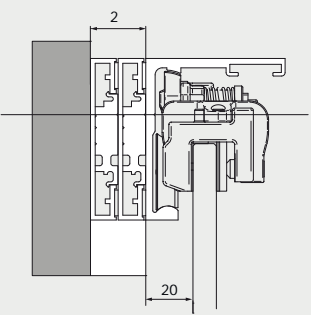
* to be defined by customer

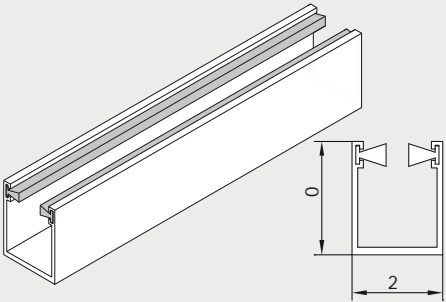
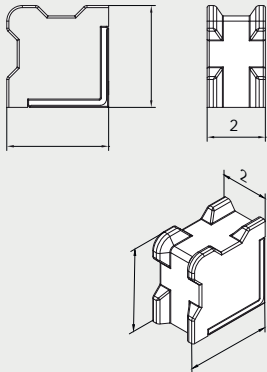
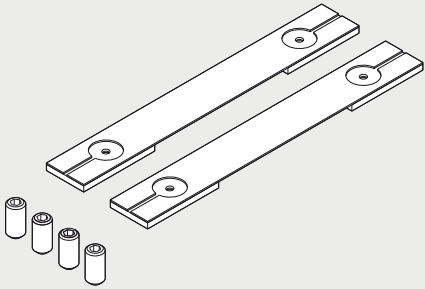
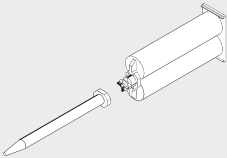
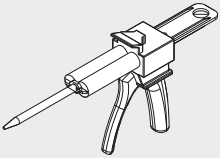
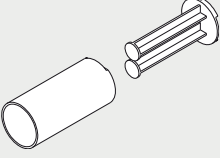
Component parts

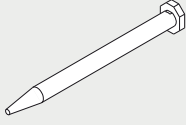
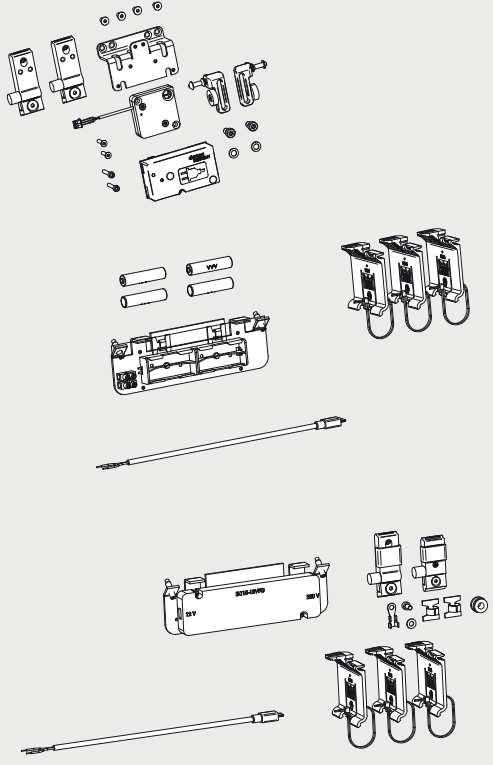
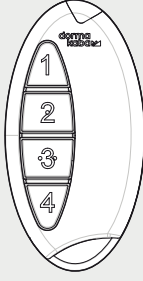
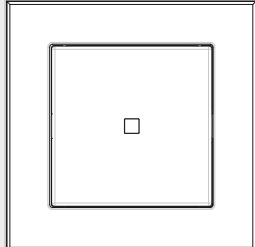
	Product description	Glass thickness	Art. No.
	MUTO Premium XL 80/150 Accessory set Consisting of: 2 Clamp carriers 2 Endstops 1 Floor guide		36.550
	MUTO Premium Self-Closing 120 Elastic cable with accessories Opening to right side, closing to left side (DIN Left) Opening to left side, closing to right side (DIN Right)		36.657 36.658 not illustr.
	MUTO Premium Self-Closing 120 Track rail <i>for wall installation</i> stock length 6,000 mm fixed length		36.850 36.651
	MUTO Premium Self-Closing 120 Track rail <i>for ceiling installation</i> stock length 6,000 mm fixed length		36.852 36.653
	MUTO Premium Self-Closing 120 Cover profile stock length 6,000 mm fixed length		36.854 36.655

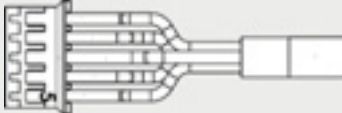
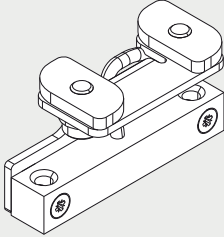
	Product description	Glass thickness	Art. No.
	<p>MUTO spacer (2 pieces) for installation between two walls</p>		36.890
	<p>MUTO Premium Self-Closing 120 End caps for wall and ceiling installation</p>		36.656
	<p>MUTO Brush profile set for Comfort L and Premium XL Consisting of: 1 Brush profile 8 – 10 mm glass 1 Brush profile 12 – 13.5 mm glass</p>		36.265
	<p>MUTO Premium XL 80/150 Side light profile 69 mm high, with gaskets</p>	8 – 13.5 mm	36.469
	<p>MUTO Filling profile for Comfort L, Premium XL and Self-Closing, for side light profile</p>	8 – 13.5 mm	36.474
	<p>stock length 6,000 mm fixed length</p>		
	<p>When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).</p>		
	<p>stock length 6,000 mm fixed length</p>		36.800
			36.801

	Product description	Glass thickness	Art. No.
	<p>MUTO Filling profile for Comfort L, Premium XL and Self-Closing,</p> <p>stock length 6,000 mm fixed length</p>		<p>36.802 36.803</p>
	<p>MUTO Premium Self-Closing 120 End caps for side light profile, each 2 mm width (When installing between two walls, please give particular attention to it.)</p>		36.471
	<p>MUTO Premium Self-Closing 120 DORMOTION-Set – for dampening the door at the open side for max. 120 kg, with Accessories</p>		<p>36.660 36.661 not illustr.</p>
	<p>MUTO Premium Self-Closing 120 optional opening damping set (maximum 120 kg) to use left or right – for dampening the door at the open side</p>		36.666
	<p>MUTO Premium XL 80/150 Timber adapter set Profile 12.5 x 36 mm + 12.5 x 4 mm, incl. accessories (with timber floor guide)</p> <p>1,460 mm fixed length max. 2,500 mm</p>		<p>36.461 36.464</p>

	Product description	Glass thickness	Art. No.
	<p>MUTO Floor profile for Comfort L and Premium XL, for fixing side light, with gaskets, incl. end caps</p>	<p>8 – 13.5 mm 8 – 13.5 mm</p>	<p>36.810 36.811</p>
	<p>MUTO End caps (2 pieces) for Comfort L and Premium XL, for Floor profile, for fixing side light</p>		<p>36.812</p>
	<p>MUTO Comfort connection profile for false ceilings incl. accessory set for Comfort M, L and Premium XL,</p>		<p>36.821 36.820</p>
	<p>MUTO Premium - balance profile set 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.870</p>	
	<p>MUTO Premium - balance profile set 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.871</p>	

	Product description	Glass thickness	Art. No.
	<p>MUTO Premium XL 80/150 Subsurface floor guide track rail with brushes</p> <p>stock length 6,000 mm fixed length</p>		<p>36.561 36.562</p>
	<p>MUTO Comfort Floorstop for Comfort L and Premium XL, for glass- oder timber side light</p>		<p>36.851</p>
	<p>MUTO Premium XL 80/150 LSG-Set Accessory set for use with LSG for one pair of clamp carrier</p> <p>Consisting of: 2 Gaskets 4 Injector screw</p> <p>Please order the LSG glue 07.631 separately</p>		<p>36.468</p>
	<p>Special adhesive for use with LSG The contents of the cartridge are sufficient for 10 clamp carriers (varies if the nozzle contents have dried out!) If necessary, order additional spare nozzles (art. no. 07630).</p>		<p>07.631</p>
	<p>Automix gun for LSG Use in combination with article 07.631</p>		<p>07.629</p>
	<p>Automix adapter for LSG Use in combination with article 07.631</p>		<p>07.628</p>

	Product description	Glass thickness	Art. No.
	<p>Spare nozzle for LSG Use in combination with article 07.631</p>		07.630
	<p>MUTO Integrated locking device for Premium XL and Self-Closing, not suitable as a security barrier (only in combination with DORMOTION, not in combination with Synchro) Consisting of: 1 Adapter for track reception 1 Lock reception 1 Locking device 1 Frame system L & frame system XL 1 Battery</p> <p>* Battery for re-ordering</p>		36.842
	<p>MUTO Radio remote control for Comfort L, Premium XL and Self-Closing,</p> <p>1 Radio remote control 1 Battery</p>		36.848
	<p>MUTO Wall switch with radio remote control for Comfort L, Premium XL and Self-Closing,</p> <p>1 Wall switch 1 Battery</p>		36.849

	Product description	Glass thickness	Art. No.
	<p>MUTO Accessory for locking unit for Comfort L, Premium XL and Self-Closing,</p> <p>1 cable set for an optional use of the status indicator integrated in the locking unit</p>		36.855
	<p>MUTO Locking device set for Comfort L and Premium XL</p> <p>Consisting of: 1 Sensor 1 Adapter for track reception 1 Cable</p>		36.840

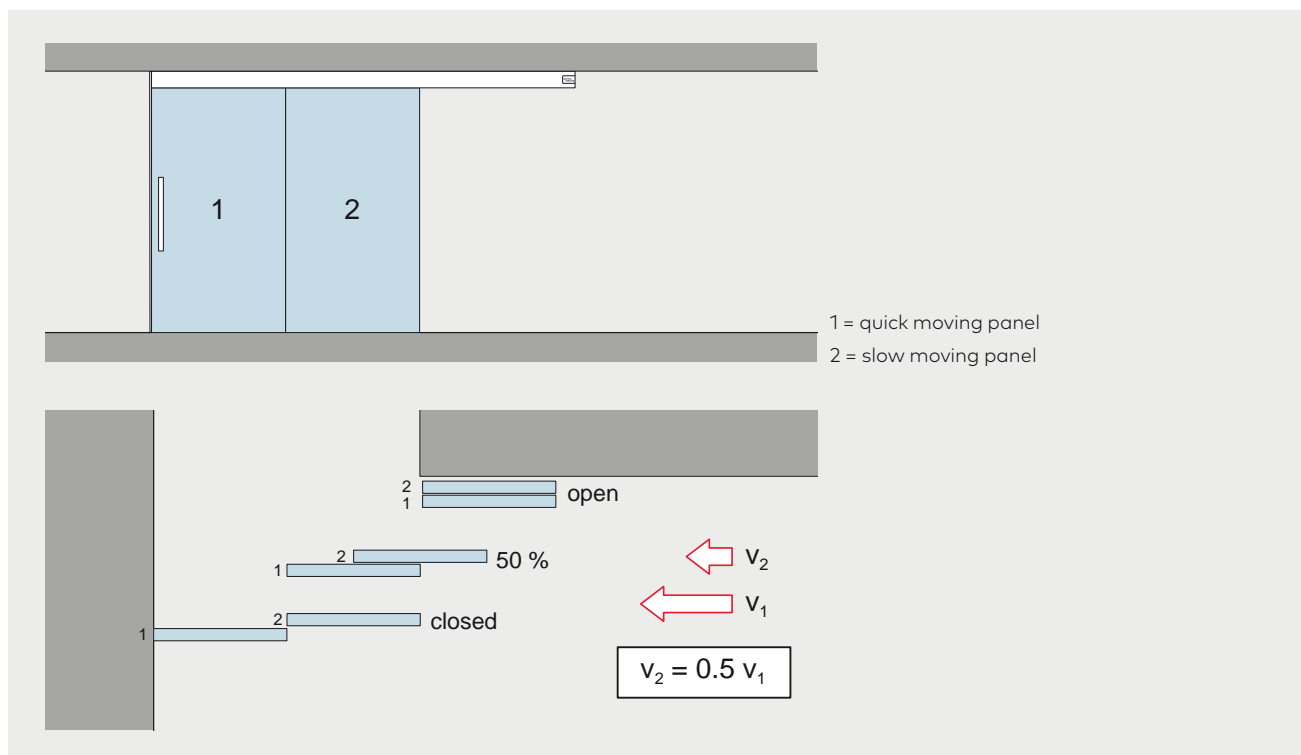
Vertical brush seals can be found on page 188

MUTO Premium Telescopic 80

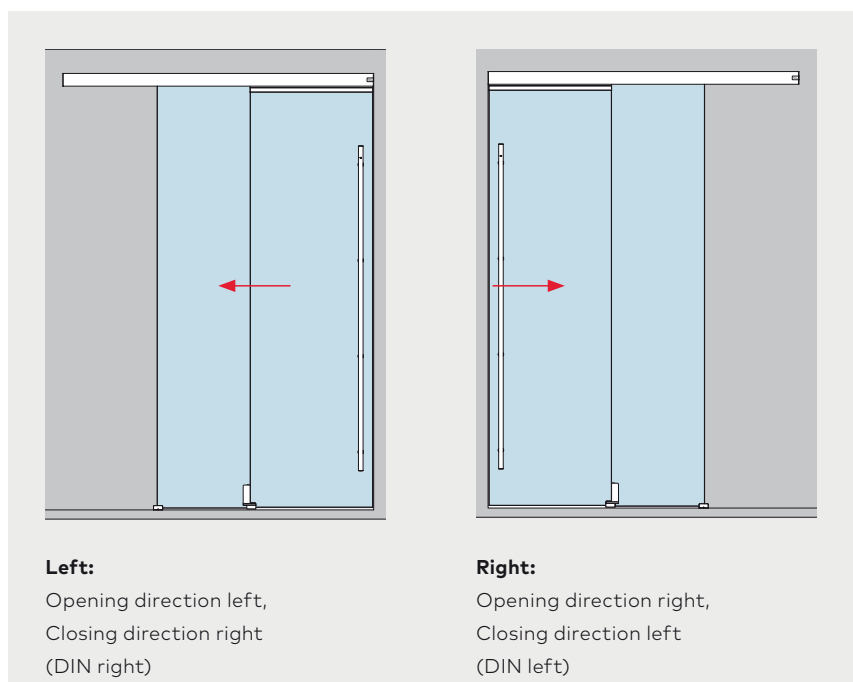
Huge light openings, but small space requirement

- Telescopic functionality.
- Synchronized panels, that means simultaneous movement of panel 1 (quick moving panel) and panel 2 (slow moving panel =< half speed of quick moving panel)

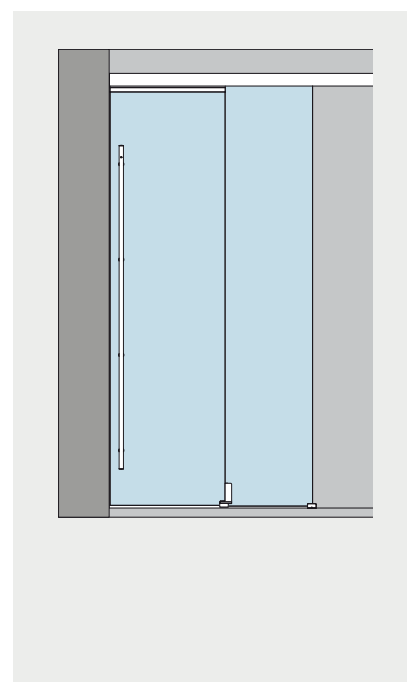
- DORMOTION functionality (optional)
- Integrated locking device (optional)
- Status indicator (optional)



Opening directions



Installation 90° stopped

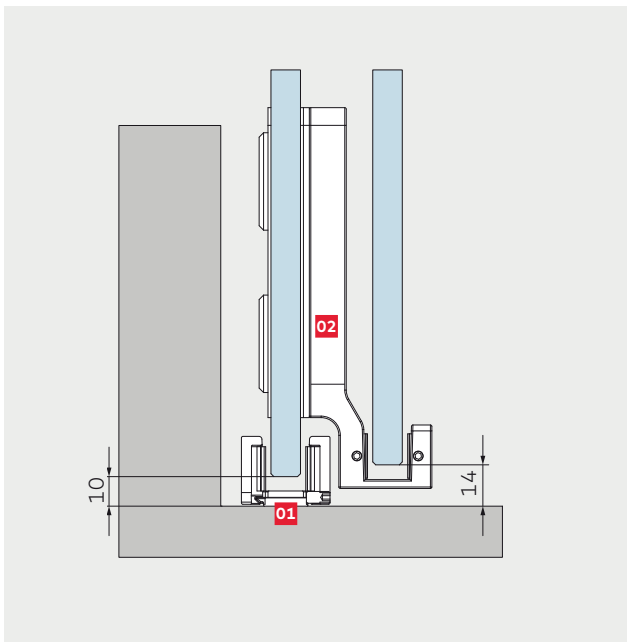


Floor guide variants

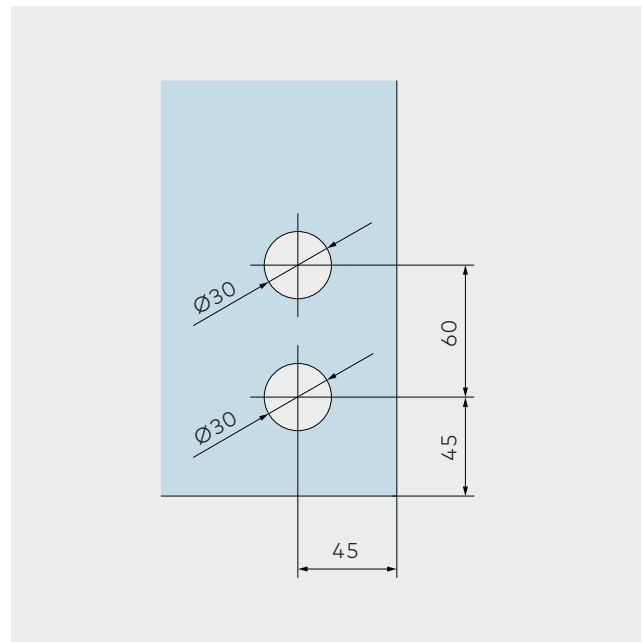
- Surface mounted variant glass door
- Recessed variant glass door
- Surface mounted variant timber door

01 Standard fixed floor guide for guiding the slow moving panel (slow moving panel)

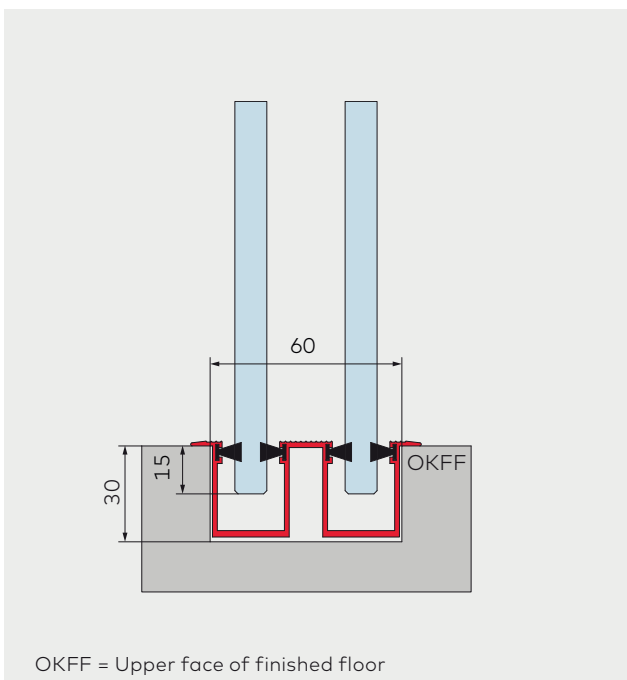
02 Moving floor guide for guiding the moving panel (quick moving panel)



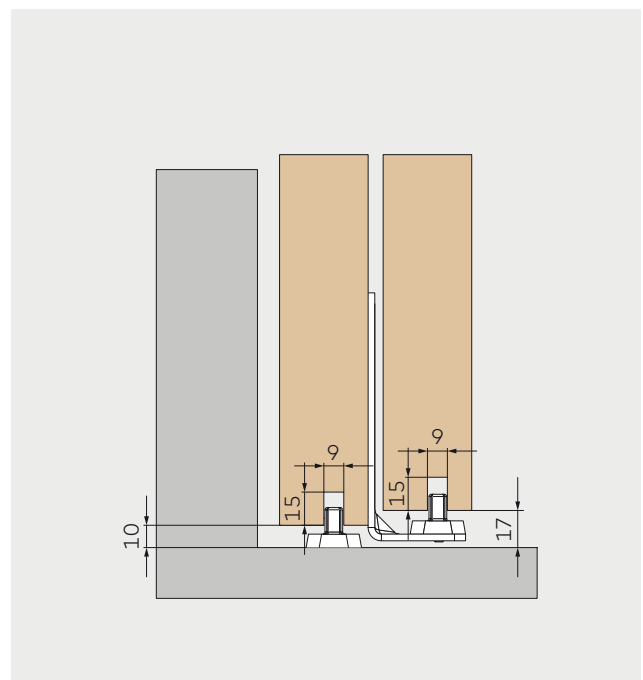
Glass preparation for moving floor guide



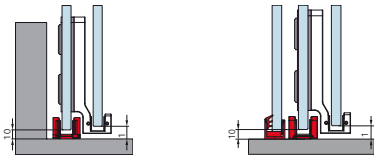
Recessed floor guide for guiding the slow and quick moving panels



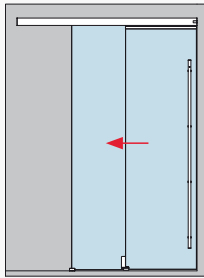
Floor guide situation with timber doors



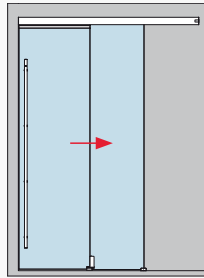
Glass panel with moving floor guide



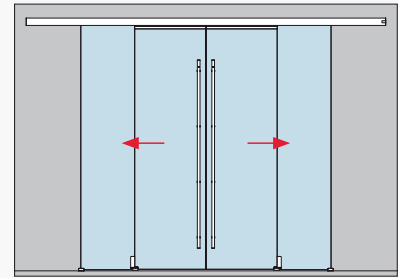
Glass door (8 - 13.5 mm) for the installation at wall - 2 and 4 panels



Set 1

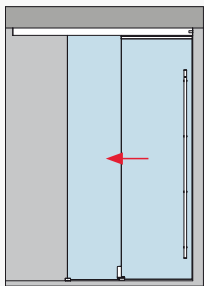


Set 2

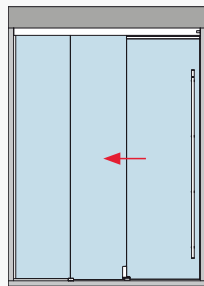


Set 3

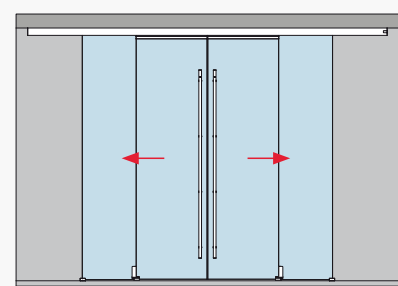
Glass door (8 - 13.5 mm) for the installation at ceiling / with side light (10 - 19 mm) - 2 and 4 panels



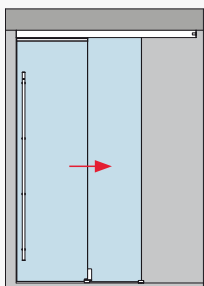
Set 4



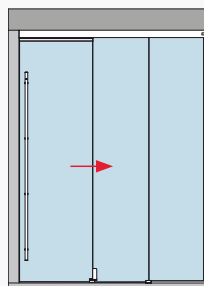
Set 5



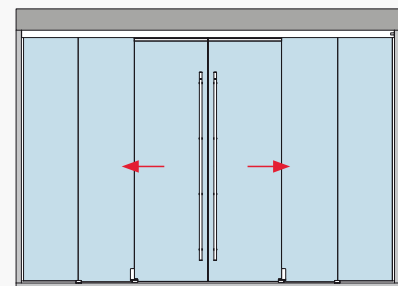
Set 6



Set 7

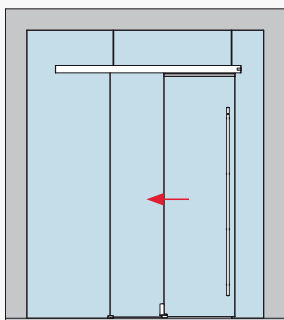


Set 8

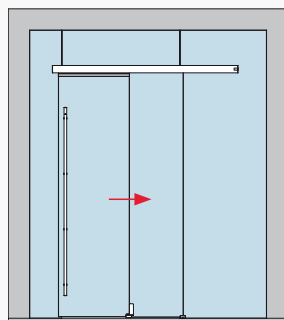


Set 9

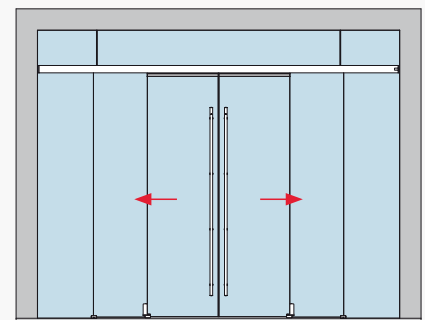
Glass door (8 - 13.5 mm) with glass overpanel and glass side lights (10 - 19 mm) - 2 and 4 panels



Set 10

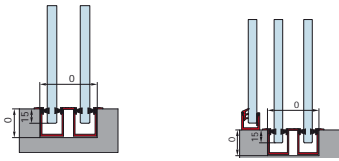


Set 11

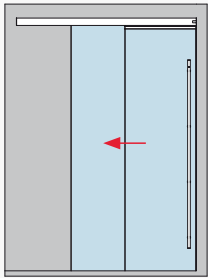


Set 12

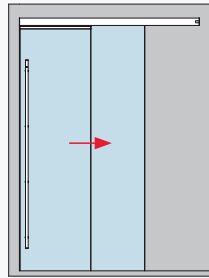
Glass panel with recessed floor guide profile



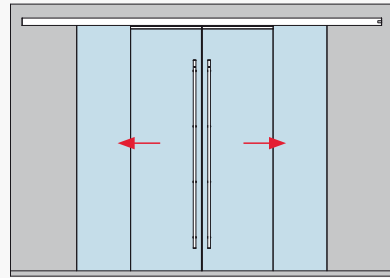
Glass door (8 - 13.5 mm) for the installation at wall - 2 and 4 panels



Set 13

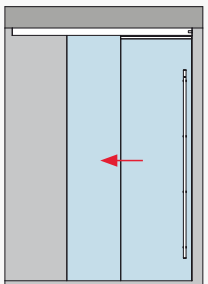


Set 14

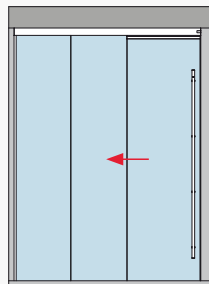


Set 15

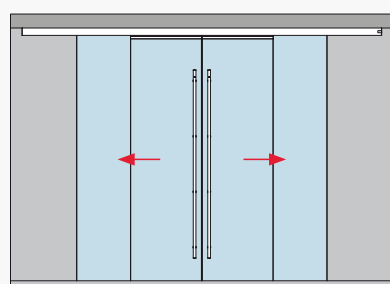
Glass door (8 - 13.5 mm) for the installation at ceiling / with side light (10 - 19 mm) - 2 and 4 panels



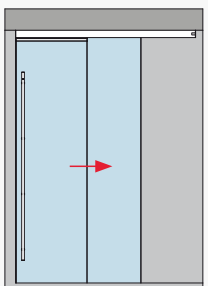
Set 16



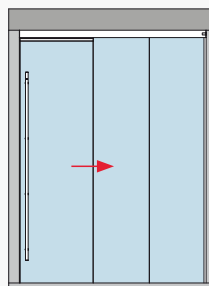
Set 17



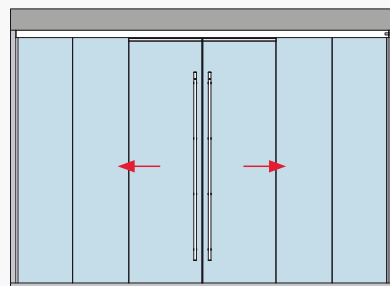
Set 18



Set 19

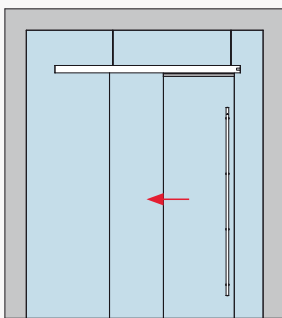


Set 20

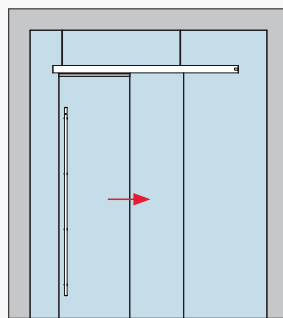


Set 21

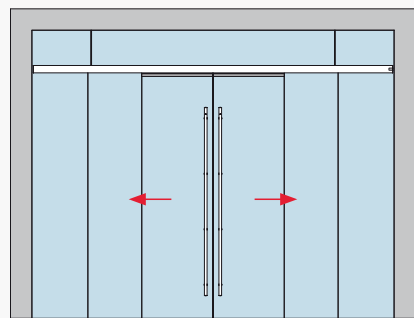
Glass door (8 - 13.5 mm) with glass overpanel and glass side lights (10 - 19 mm) - 2 and 4 panels



Set 22



Set 23



Set 24

Wide openings with small panels

Unless indicated otherwise all measurements are shown in mm.

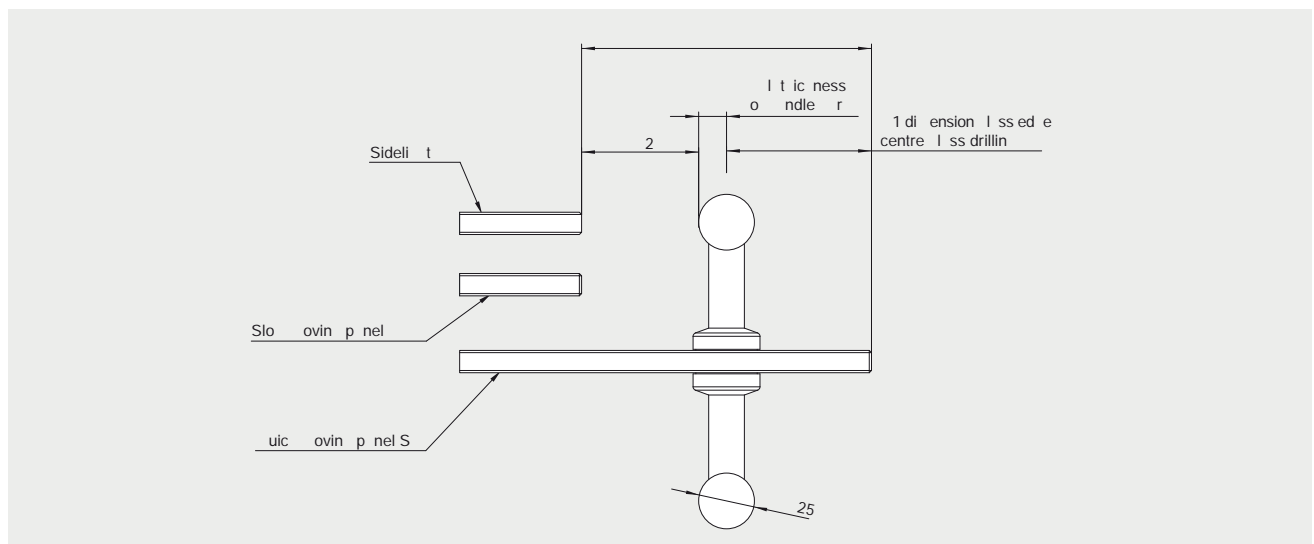
Panel width min.* – 600 mm
 Panel width max.* – 1,287 mm

	without DORMOTION				S**		S**		S**	
	without handle bar	with handle bar	without handle bar	with handle bar	without handle bar	with handle bar	without handle bar	with handle bar	without handle bar	with handle bar
Min. panel width =	600	665	600	665	600	687	600	687	600	665
Light opening width	1,110	1,110	2,286	2,286	1,750	1,750	3,496	3,496	1,145	1,145
Max. panel width =	1,200	1,265	1,000	1,065	1,200	1,287	1,000	1,087	1,200	1,265
Light opening width	2,310	2,310	3,886	3,886	3,550	3,550	5,896	5,896	2,345	2,345

	with DORMOTION				S**		S**		S**	
	without handle bar	with handle bar	without handle bar	with handle bar	without handle bar	with handle bar	without handle bar	with handle bar	without handle bar	with handle bar
Min. panel width =	790	855	790	855	790	877	790	877	790	855
Light opening width	1,490	1,490	3,046	3,046	2,320	2,320	4,636	4,636	1,525	1,525
Max. panel width =	1,200	1,265	1,000	1,065	1,200	1,287	1,000	1,087	1,200	1,265
Light opening width	2,310	2,310	3,886	3,886	3,550	3,550	5,896	5,896	2,345	2,345

* Depending on installation (see detailed overview) related to quick moving panel.

** Glass sidelight



V = Protrusion of the quick-moving panel (SL) when fitted with a pull handle
 (see Data Sheet 36-747)

Hassle-free and competitive glass ordering

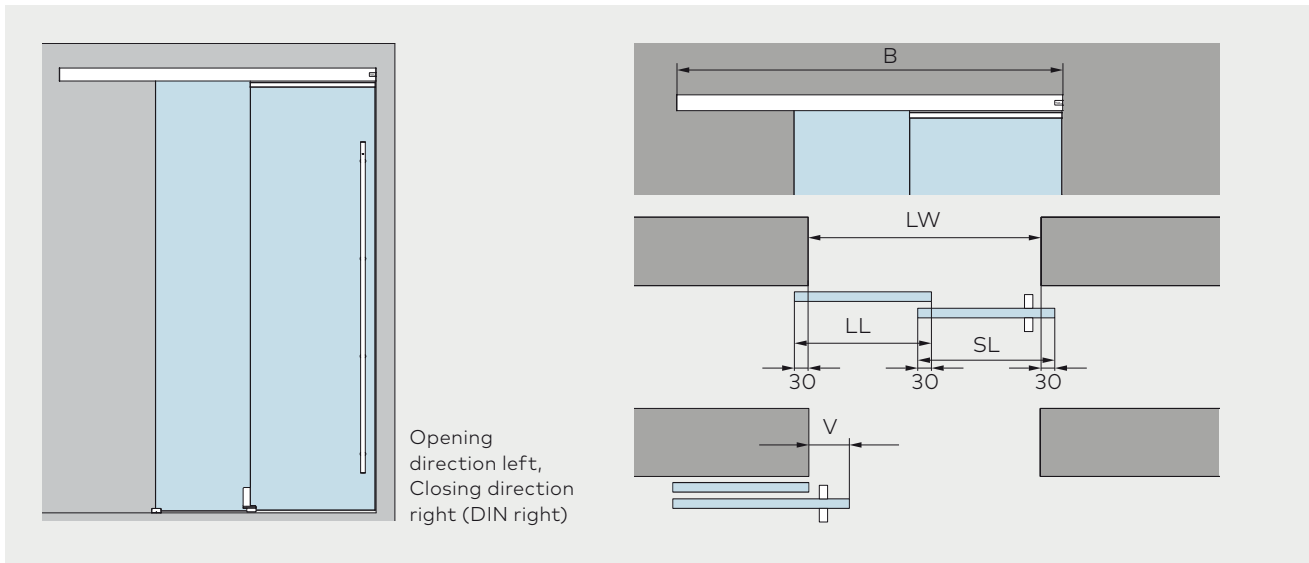
- Quick moving panel and slow moving panel are clamped – no additional glass preparation required
- Easy glass preparation for fixing the moving floor guide

Manifold varieties

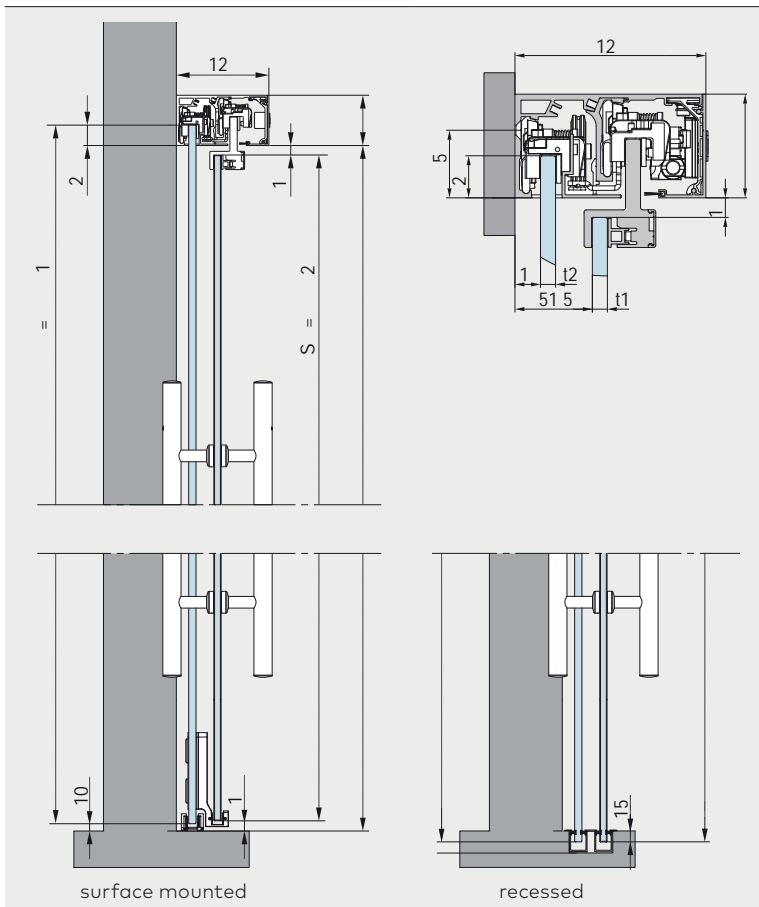
Universal usability for different panel base material

- Wall installation
- Ceiling installation
- Ceiling installation with side panels (also for lintel situations)
- Installation to glass overpanel
- LSG-usability due to "Clamp&Glue" Technology
- Applicable for glass panels and timber panels (timber panels require adapter profile)
- Max. 2 x 80 kg resp. 4 x 80 kg
- Possible glass thicknesses: 8 – 13.5 mm (continuous)

Type illustrations wall installation



Fixed at wall



Product description

For installation with two door panels optional DORMOTION unit. When using a DORMOTION damping unit, we recommend installation of a pull handle.

Max. weight of door panels
80 kg.

Min. and max. panel measures see page 92.

Calculation of track length

2 panels
 $B = 1.5 \times LW - V/2 + 85$

2 + 2 panels
 $B = 1.5 \times LW - V + 67$

Calculation of glass width

2 panels
 $LL = (LW - V + 90) / 2$
 $SL = LL + V$

2 + 2 panels
 $LL = (LW - 2 \times V + 114) / 4$
 $SL = LL + V$

Calculation of glass height (=surface mounted)

$HLL = LH + 18$
 $HSL = LH - 27$

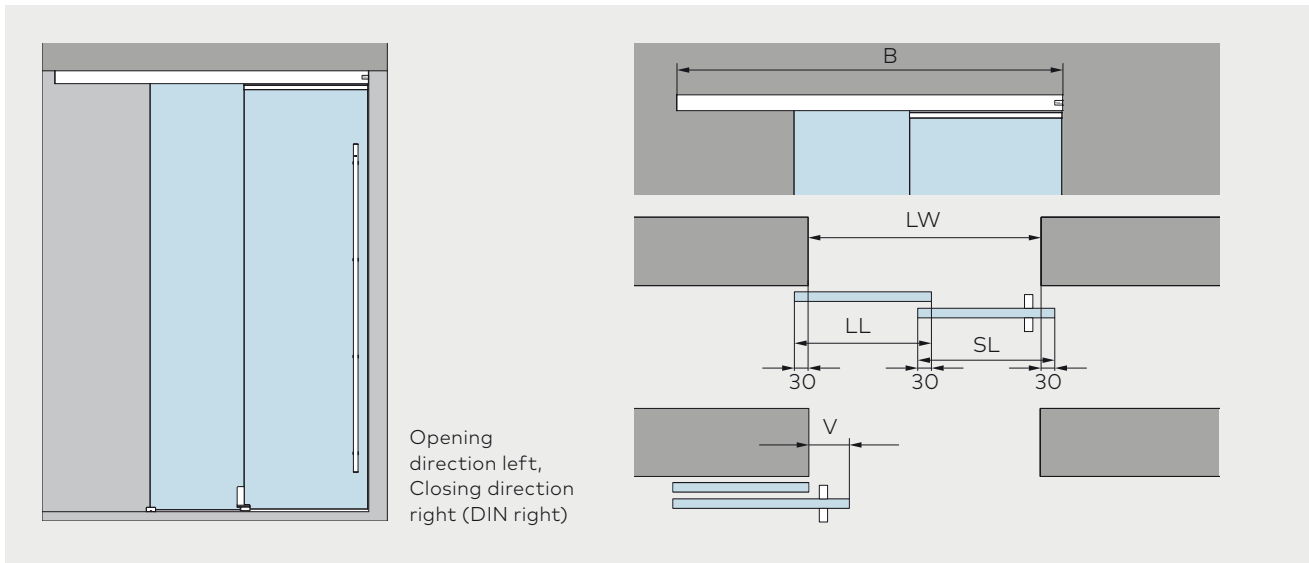
Calculation of glass height (=recessed)

$HLL = LH + 43$
 $HSL = LH + 2$

- B = Length of track
- HLL = Glass height slow moving panel
- HSL = Glass height quick moving panel
- LH = Clear opening height
- LW = Clear opening width

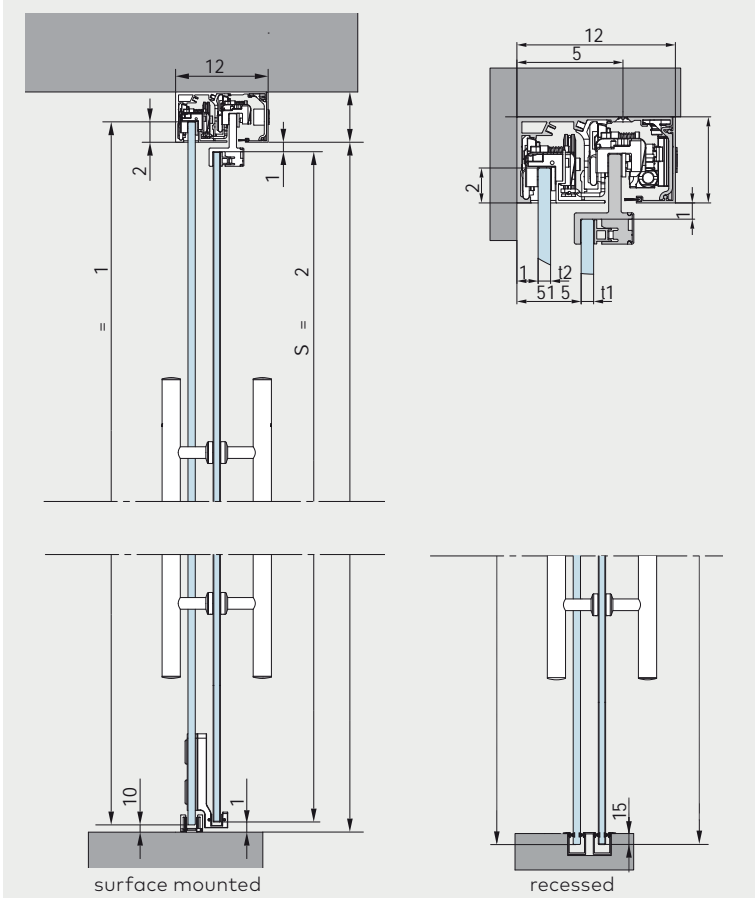
- LL = slow moving panel
- SL = quick moving panel
- t1 = Glass thickness quick moving panel (SL)
- t2 = Glass thickness slow moving panel (LL)
- V = Overlapping size of handle bar

Type illustrations ceiling installation



Fixed at ceiling

Product description



For installation with two door panels fixed at ceiling, 8–13.5 mm glass thickness, optional DORMOTION unit. When using a DORMOTION damping unit, we recommend installation of a pull handle.

Max. weight of door panels

80 kg.

Min. and max. panel measures see page 92.

Calculation of track length

2 panels

$$B = 1.5 \times LW - V/2 + 85$$

2 + 2 panels

$$B = 1.5 \times LW - V + 67$$

Calculation of glass width

2 panels

$$LL = (LW - V + 90) / 2$$

$$SL = LL + V$$

2 + 2 panels

$$LL = (LW - 2 \times V + 114) / 4$$

$$SL = LL + V$$

Calculation of glass height (=surface mounted)

$$HLL = LH + 18$$

$$HSL = LH - 27$$

Calculation of glass height (=recessed)

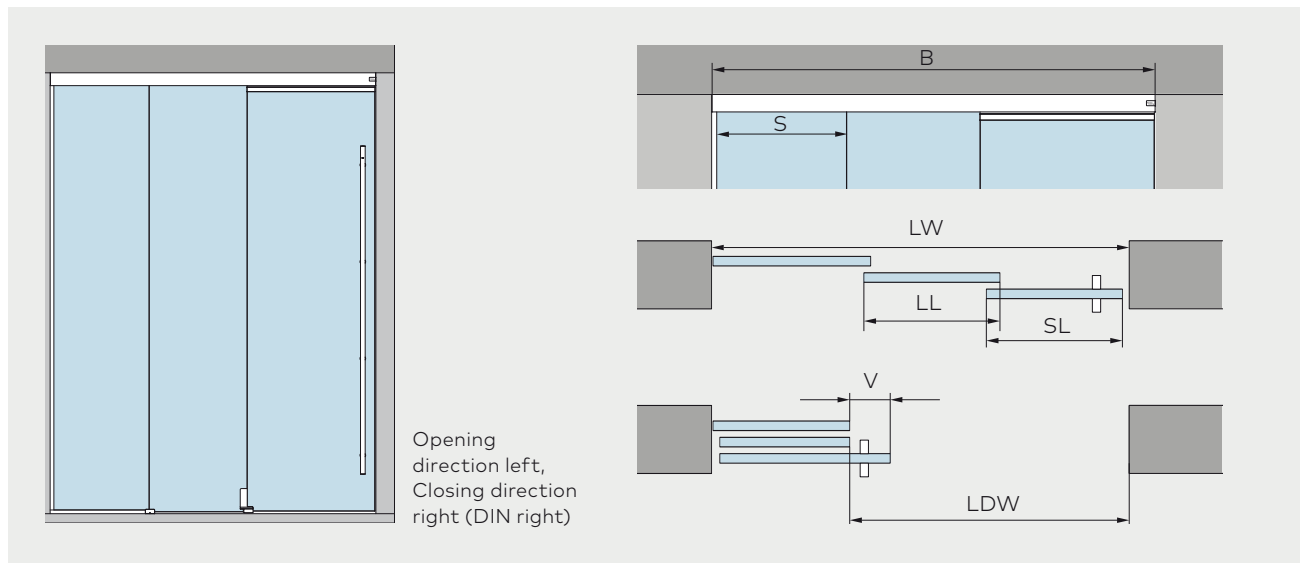
$$HLL = LH + 43$$

$$HSL = LH + 2$$

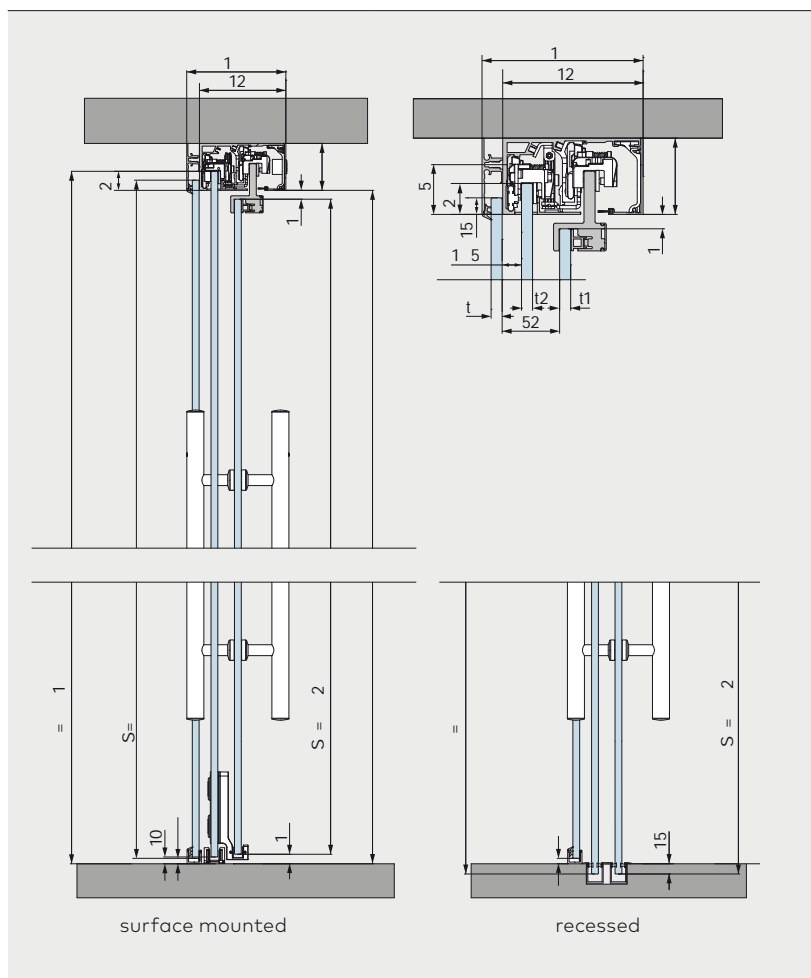
- B = Length of track
- HLL = Glass height slow moving panel
- HSL = Glass height quick moving panel
- LH = Clear opening height
- LW = Clear opening width

- LL = slow moving panel
- SL = quick moving panel
- t1 = Glass thickness quick moving panel (SL)
- t2 = Glass thickness slow moving panel (LL)
- V = Overlapping size of handle bar

Type illustrations with sidelight, on one side



With sidelight



Product description

For installation with two door panels and sidelight on one side, fixed at ceiling, optional with DORMOTION unit. When using a DORMOTION damping unit, we recommend installation of a pull handle.

Max. weight of door panels

80 kg.

Min. and max. panel measures see page 92.

Calculation of track length

$$B = LW - 4 \text{ (incl. } 2 \times 2 \text{ mm end caps)}$$

Calculation of glass width

2 panels

$$LL = (LW - V + 51) / 3$$

$$SL = LL + V$$

2 + 2 panels

$$LL = (LW - 2 \times V + 102) / 6$$

$$SL = LL + V$$

Calculation of glass height

(=surface mounted)

$$HLL = LH + 18$$

$$HSL = LH - 27$$

Calculation of glass height (=recessed)

$$HLL = LH + 43$$

$$HSL = LH + 2$$

Height side panel

2 panels

$$S \text{ min} = (LW - V + 66) / 3$$

$$LDW = LW - S - V$$

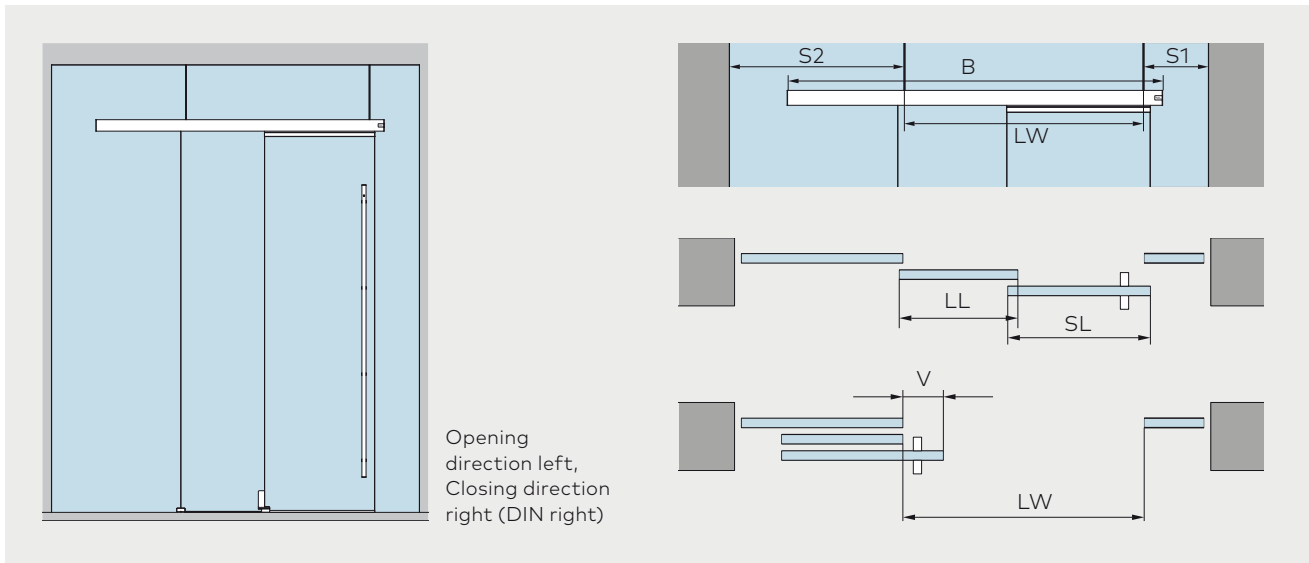
2 + 2 panels

$$S \text{ min} = (LW - 2 \times V + 132) / 6$$

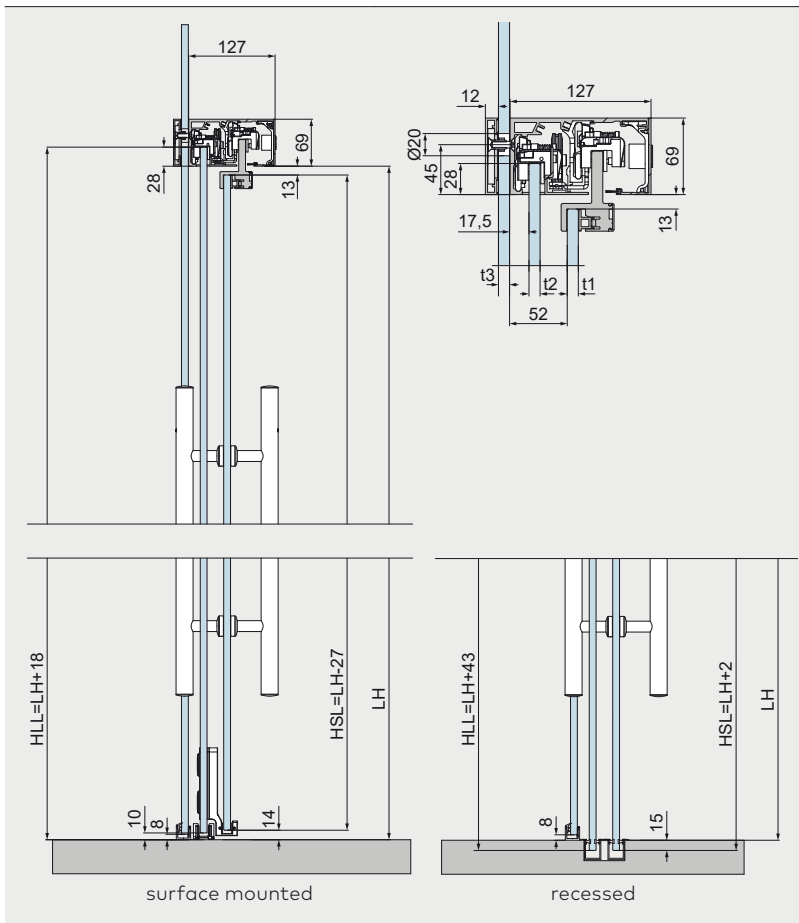
$$LDW = LW - 2 \times S - V \times 2$$

- | | | |
|---|-----------------------------------|--|
| B = Length of track | LW = Clear opening width | t1 = Glass thickness quick moving panel (SL) |
| HLL = Glass height slow moving panel | LDW = Clear opening passage width | HS = Height side panel |
| HSL = Glass height quick moving panel | LL = Slow moving panel | t2 = Glass thickness slow moving panel (LL) |
| LH = Clear opening height (up to lower edge of track rail!) | SL = Quick moving panel | t3 = Glass thickness sidepanel |
| | S = Glass sidelight | V = Overlapping size of handle bar |

Type illustrations glass installation



Fixed at ceiling



Product description

For installation with two door panels fixed at glass, 8–13.5 mm glass thickness, optional with DORMOTION unit. When using a DORMOTION damping unit, we recommend installation of a pull handle.

Max. weight of door panels
80 kg.

Min. and max. panel measures see page 92.

Calculation track length
2 panels
 $B = 1.5 \times LW - V/2 + 135$

2 + 2 panels
 $B = 1.5 \times LW - V + 67$

Calculation of glass width
2 panels
 $LL = (LW - V + 90) / 2$
 $SL = LL + V$

2 + 2 panels
 $LL = (LW - 2 \times V + 114) / 4$
 $SL = LL + V$

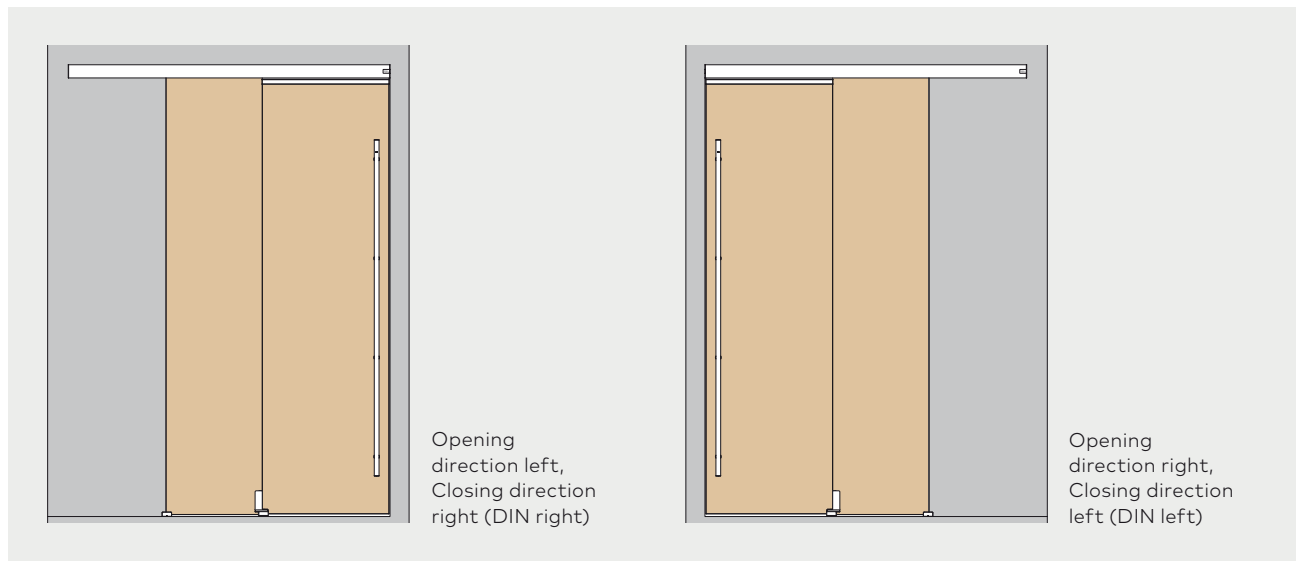
Calculation of glass height (=surface mounted)
 $HLL = LH + 18$
 $HSL = LH - 27$

Calculation of glass height (=recessed)
 $HLL = LH + 43$
 $HSL = LH + 2$

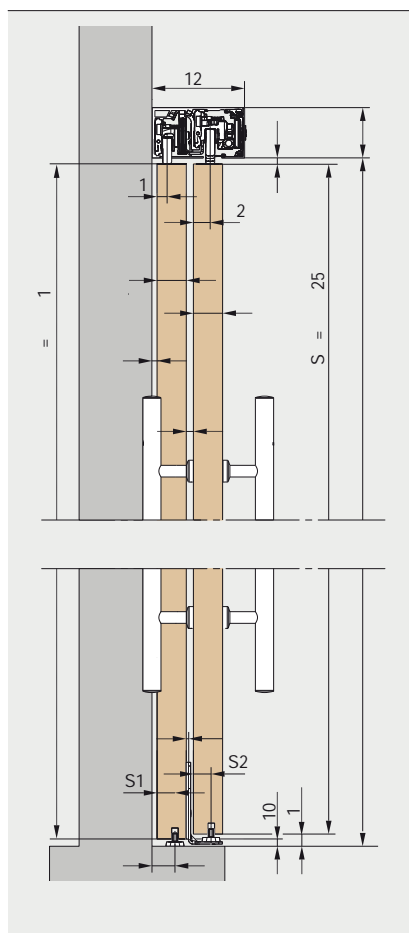
You will find a calculation tool for the glass preparation of the fixed parts MUTO on glass under the following link <https://glas-innovationen.com/glass-innovations/muto>

B = Length of track	LW = Clear opening width	t1 = Glass thickness quick moving panel (SL)
HLL = Glass height slow moving panel	LL = Slow moving panel	t2 = Glass thickness slow moving panel (LL)
HSL = Glass height quick moving panel	SL = Quick moving panel	t3 = Glass thickness sidepanel
LH = Clear opening height		V = Overlapping size of handle bar

Type illustrations for timber door



Fixed at wall



A	S1	S2	X	Y	Z	B1	B2	U
28	9.5	9.5	11	23	25	10	18	6
29	9.5	9.5	11	22	25	10	18	5
30	9.5	9.5	11	21	25	10	18	4
31	9.5	9.5	11	20	25	10	18	3
32	9.5	9.5	11	19	25	10	18	2
33	9.5	9.5	11	18	25	10	18	1
34	9.5	9.5	11	17	25	10	18	-
35	14	14	11	13	29.5	10	21.5	-
36	14	14	11	13	29.5	10	20.5	-
37	14	14	11	13	29.5	10	19.5	-
38	14	14	11	13	29.5	10	18.5	-
39	14	14	11	13	29.5	10	17.5	-
40	20	20	7	7	31.5	14	26	-
41	20	20	7	7	31.5	14	25	-
42	20	20	7	7	31.5	14	24	-
43	20	20	7	7	31.5	14	23	-
44	20	20	7	7	31.5	14	22	-
45	20	20	7	7	31.5	14	21	-
46	20	20	7	7	31.5	14	20	-
47	20	20	7	7	31.5	14	19	-
48	20	20	7	7	31.5	14	18	-
49	20	20	7	7	31.5	14	17	-
50	20	20	7	7	31.5	14	16	-

Product description

Product description
For installation with two timber doors, for 28–50 mm timber elements

Optional with DORMOTION unit. When using a DORMOTION damping unit, we recommend installation of a pull handle.

Max. weight of door panels
80 kg.

Min. and max. panel measures see page 92.

Calculation of track length
cf. glass calculations

Calculation panel width
cf. glass calculations

Calculation of panel height
HLL = LH + 18
HSL = LH - 25

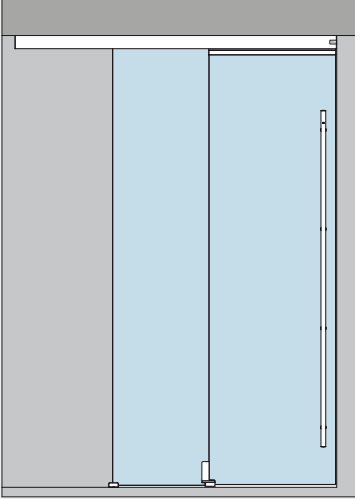
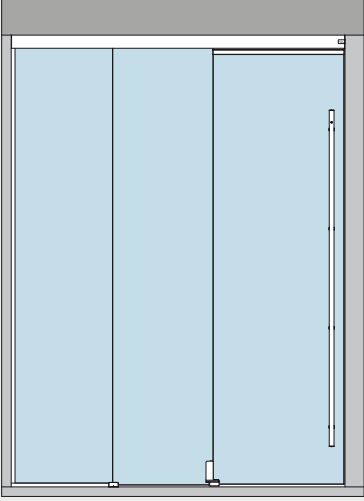
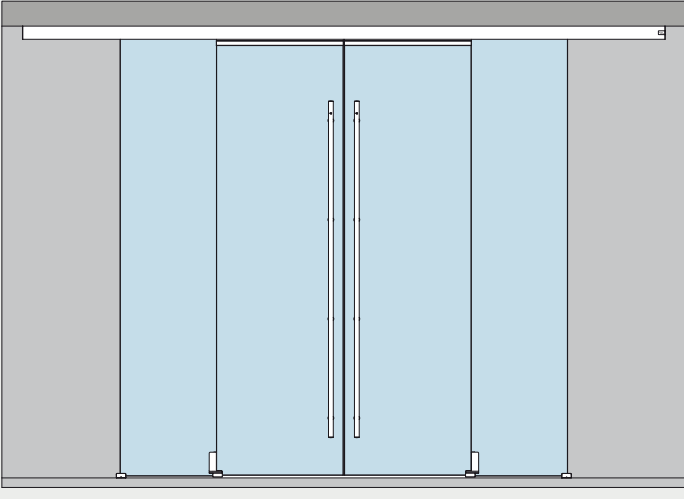
Timber door in upper area from 100 mm, solid wood, for attachment to timber adapter.

- LH = Clear opening height
- HLL = Glass height slow moving panel
- HSL = Glass height quick moving panel

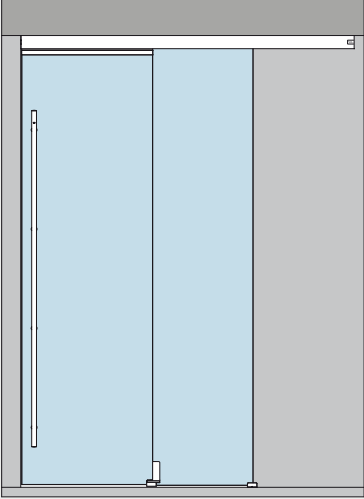
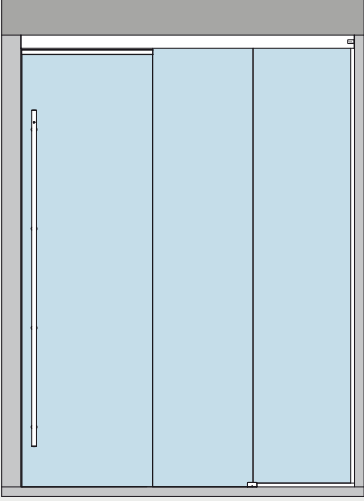
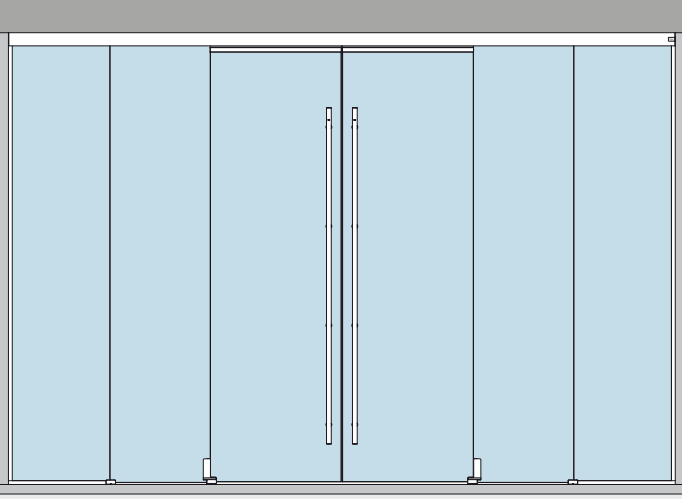
Glass door sets, with moving floor guide

Fixed at wall	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 1 for wall installation, with moving floor guide, 2 panels (left)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p> <p>Set 1.1 also for lintel/90° stopped</p>	<p>36.701</p> <p>36.737</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 2 for wall installation, with moving floor guide, 2 panels (right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p> <p>Set 2.1 also for lintel/90° stopped</p>	<p>36.702</p> <p>36.738</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 3 for wall installation, with moving floor guide, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.709</p>

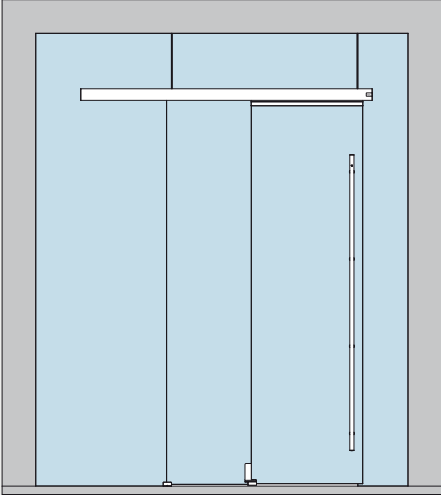
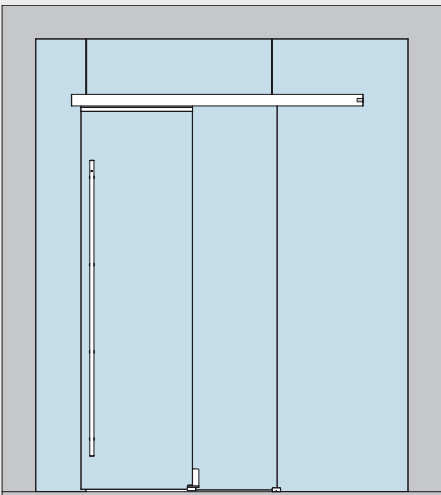
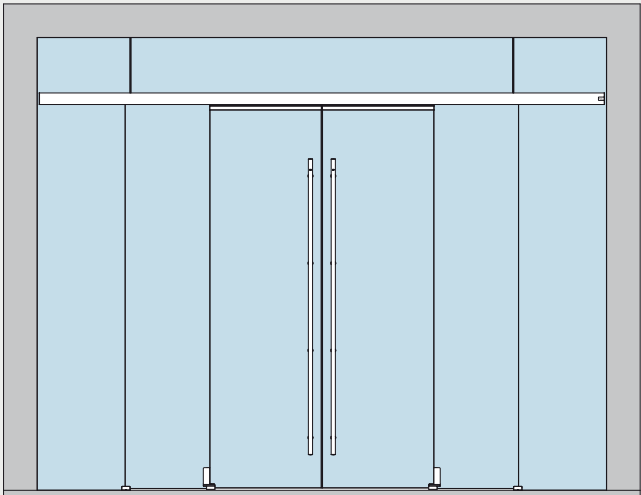
Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 4 for ceiling installation, with moving floor guide, 2 panels (left)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.703</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 5 for ceiling installation, with moving floor guide, 2 panels (left) plus side panel</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.704</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 6 for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.710</p>

Please ensure that the order form is complete when submitting an order.


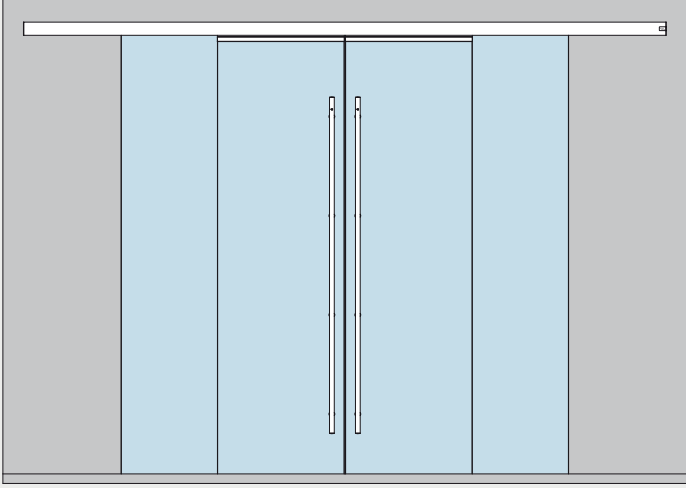
Fixed at ceiling	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 7 for ceiling installation, with moving floor guide, 2 panels (right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.705</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 8 for ceiling installation, with moving floor guide, 2 panels (right) plus side panel</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.706</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 9 for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right) plus side panels</p> <p>Incl. track profile, cover profile, side panel profiles and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.711</p>

Please ensure that the order form is complete when submitting an order.

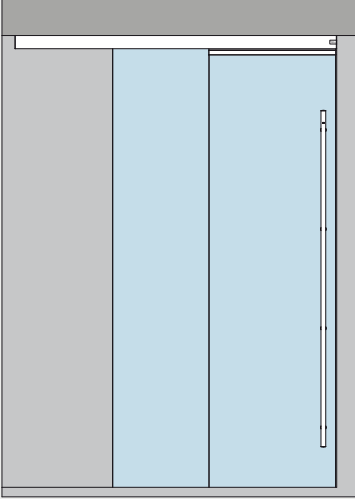
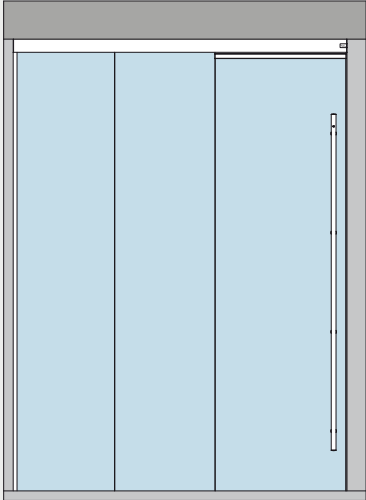
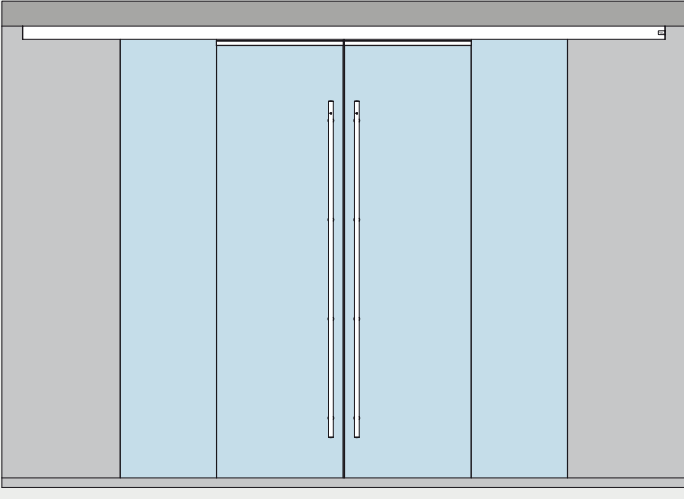
Fixed at glass	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 10 for glass installation, with moving floor guide, 2 panels (left)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	36.707
	<p>MUTO Premium Telescopic 80</p> <p>Set 11 for glass installation, with moving floor guide, 2 panels (right)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	36.708
	<p>MUTO Premium Telescopic 80</p> <p>Set 12 for glass installation, with moving floor guide, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	36.712

Please ensure that the order form is complete when submitting an order.


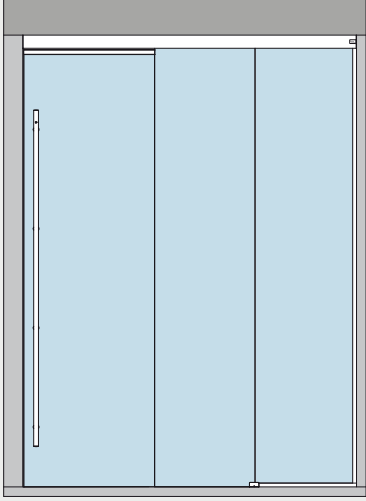
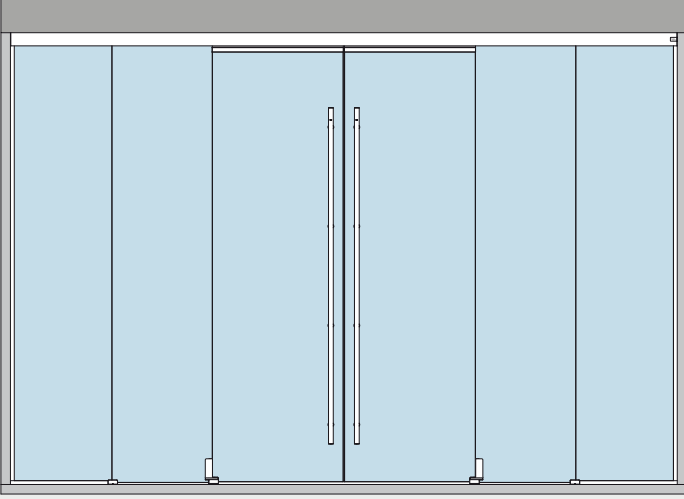
Glass door sets, with recessed floor guide profile

Fixed at wall	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 13 for wall installation, with recessed floor guide profile, 2 panels (left)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p> <p>Set 13.1 also for lintel/90° stopped</p>	<p>36.713</p> <p>36.741</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 14 for wall installation, with recessed floor guide profile, 2 panels (right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p> <p>Set 14.1 also for lintel/90° stopped</p>	<p>36.714</p> <p>36.742</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 15 for wall installation, with recessed floor guide profile, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.721</p>

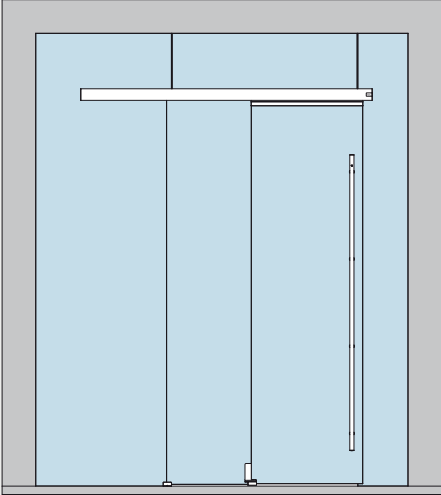
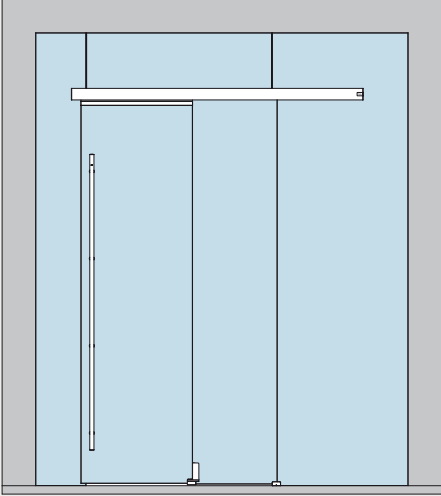
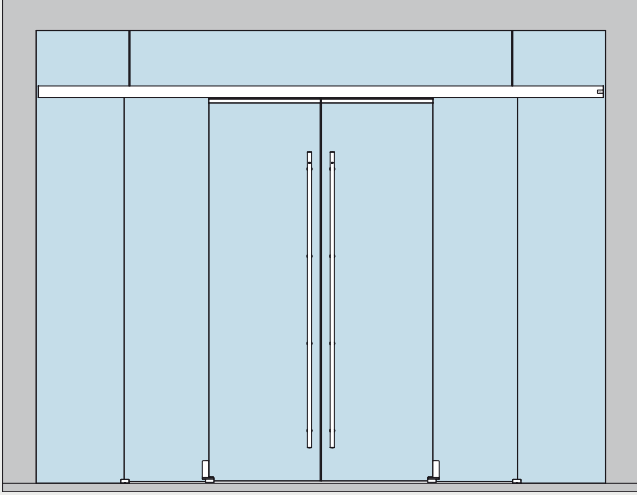
Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 16 for ceiling installation, with recessed floor guide profile, 2 panels (left)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.715</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 17 for ceiling installation, with recessed floor guide profile, 2 panels (left) plus side panel</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.716</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 18 for ceiling installation, with recessed floor guide profile, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.722</p>

Please ensure that the order form is complete when submitting an order.

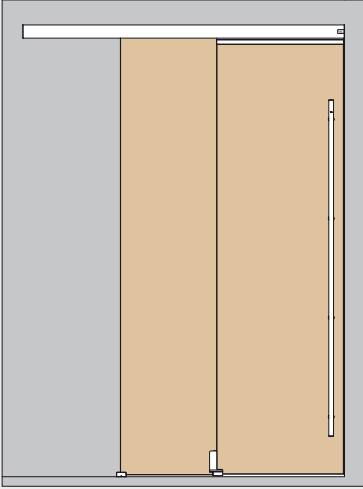
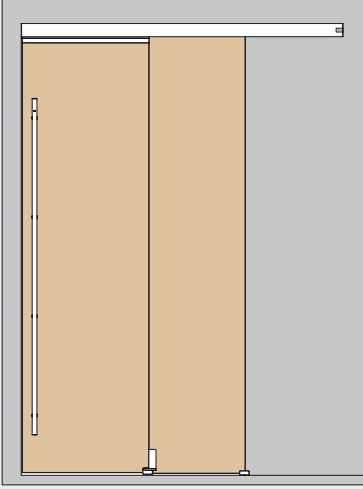
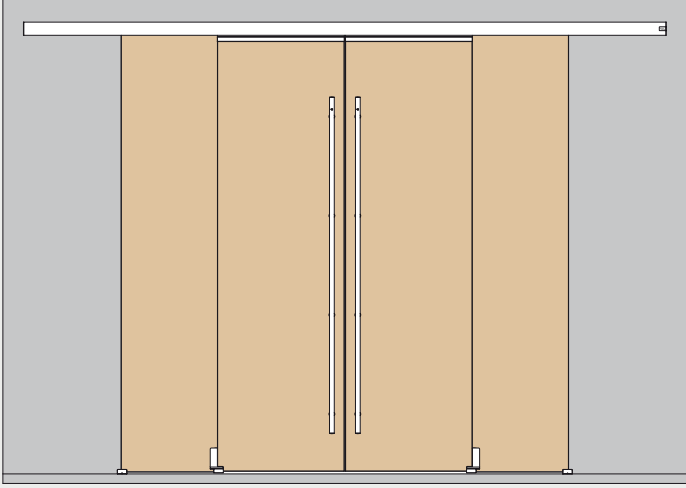
Fixed at ceiling	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 19 for ceiling installation, with recessed floor guide profile, 2 panels (right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.717</p> <p>36.744</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 20 for ceiling installation, with recessed floor guide profile, 2 panels (right) plus side panel</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.718</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 21 for ceiling installation, with recessed floor guide profile, 4 panels (2 left / 2 right) plus side panels</p> <p>Incl. track profile, cover profile, side panel profiles and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.723</p>

Please ensure that the order form is complete when submitting an order.

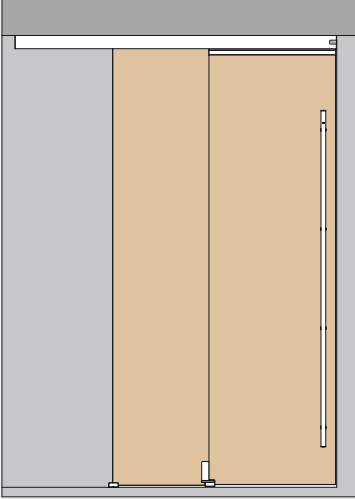
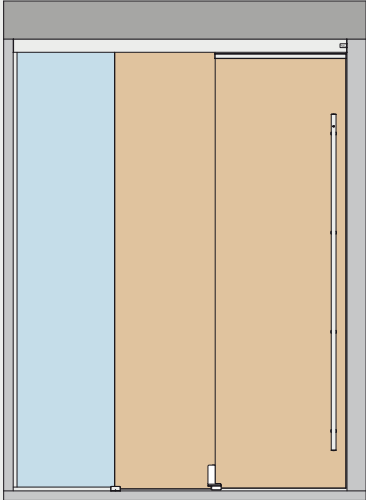
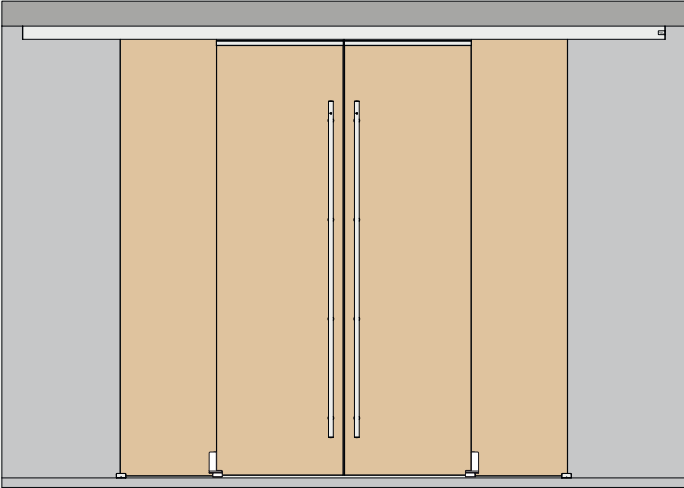
Fixed at glass	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 22 for glass installation, with recessed floor guide profile, 2 panels (left)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	36.719
	<p>MUTO Premium Telescopic 80</p> <p>Set 23 for glass installation, with recessed floor guide profile, 2 panels (right)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	36.720
	<p>MUTO Premium Telescopic 80</p> <p>Set 24 for glass installation, with recessed floor guide profile, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	36.724

Please ensure that the order form is complete when submitting an order.

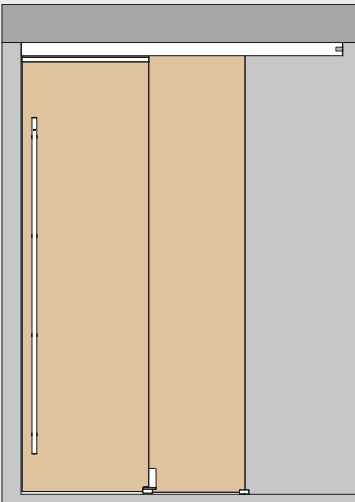
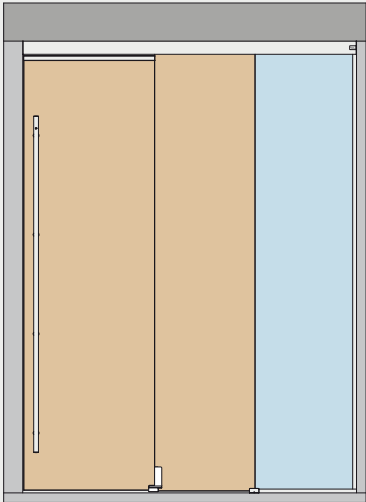
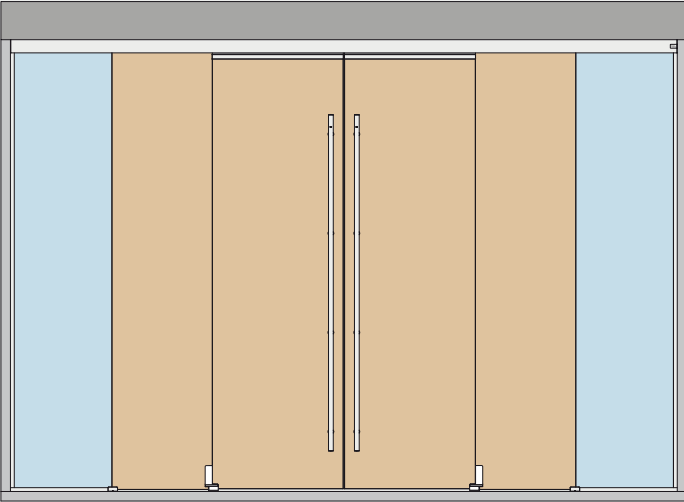
Timber door sets, with moving floor guide

Fixed at wall	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 25 for wall installation, with moving floor guide, 2 panels (left),</p> <p>Incl. track profile, cover profile and brushes.</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.725</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 26 for wall installation, with moving floor guide, 2 panels (right),</p> <p>Incl. track profile, cover profile and brushes.</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.726</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 27 for wall installation, with moving floor guide, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.733</p>

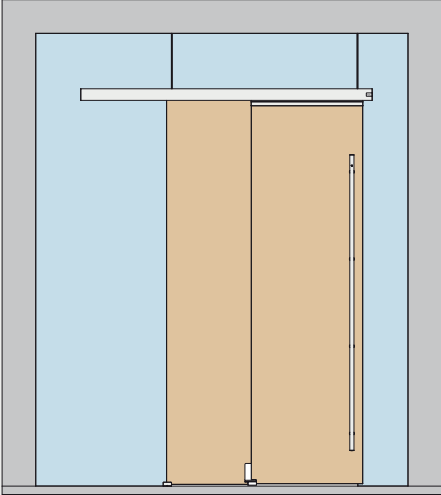
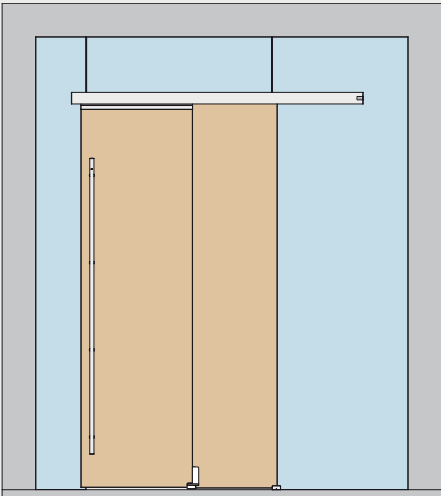
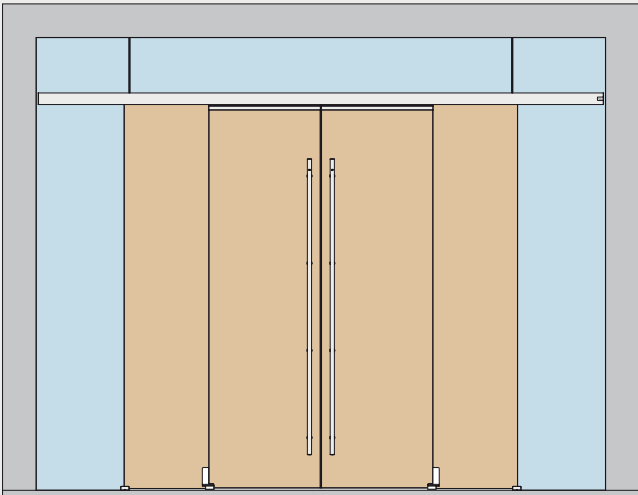
Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 28 for ceiling installation, with moving floor guide, 2 panels (left)</p> <p>Incl. track profile, cover profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.727</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 29 for ceiling installation, with moving floor guide, 2 panels (left) plus side panel (glass)</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.728</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 30 for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover profile, and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.734</p>

Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 31 for ceiling installation, with moving floor guide, 2 panels (right) plus side panel</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.729</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 32 for ceiling installation, with moving floor guide, 2 panels (right) plus side panel (glass)</p> <p>Incl. track profile, cover profile, side panel profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.730</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 33 for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right) plus side panels</p> <p>Incl. track profile, cover profile, side panel profiles and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.735</p>

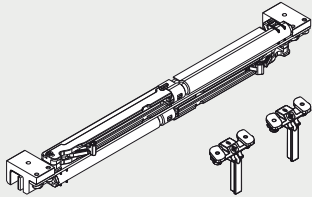
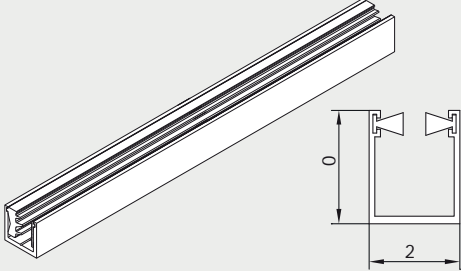
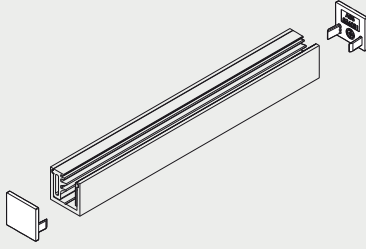
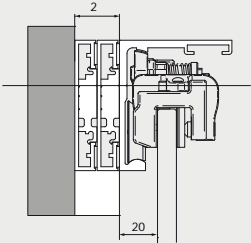
Please ensure that the order form is complete when submitting an order.

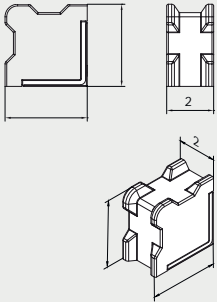
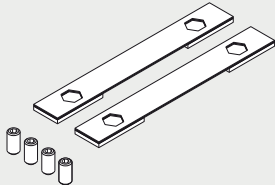
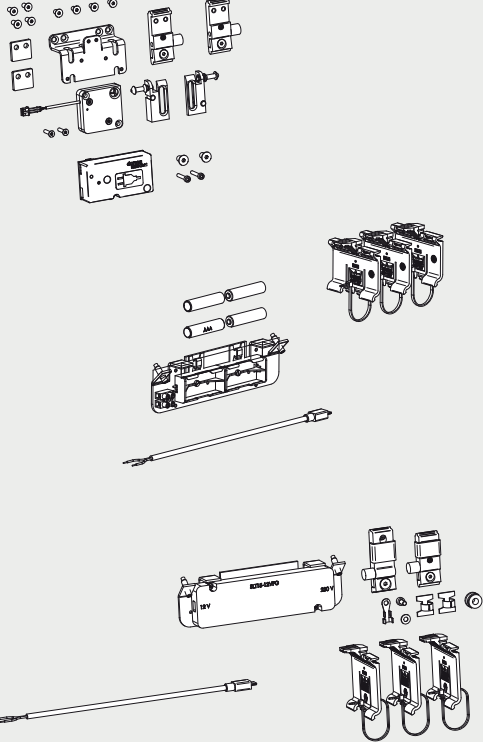

Fixed at glass	Product description	Art. No.
	<p>MUTO Premium Telescopic 80</p> <p>Set 34 for glass installation, with moving floor guide, 2 panels (left)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.731</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 35 for glass installation, with moving floor guide, 2 panels (right)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.732</p>
	<p>MUTO Premium Telescopic 80</p> <p>Set 36 for glass installation, with moving floor guide, 4 panels (2 left / 2 right)</p> <p>Incl. track profile, cover-, counter profile and brushes</p> <p>For 28 – 50 mm timber elements, max. 80 kg</p> <p>Prepared for option DORMOTION</p>	<p>36.736</p>

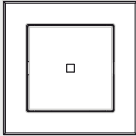
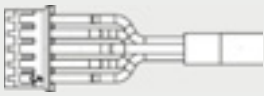
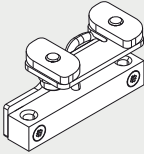
Please ensure that the order form is complete when submitting an order.

Space for your notes

Component parts

	Product description	Art. No.
	<p>MUTO spacer (2 pieces) for the installation at ceiling between two walls</p>	<p>36.890</p>
	<p>MUTO Premium Telescopic 80 DORMOTION unit incl. starter</p>	<p>36.786</p>
	<p>Comfort Floor profile for side panel fixing, complete with all gaskets, Profile for 8 – 13.5 mm glass</p> <p>stock length 6,000 mm</p> <p>fixed length mm*</p>	<p>36.810</p> <p>36.811</p>
	<p>Comfort Set endcaps for floor profile - side panel fixing</p>	<p>36.812</p>
	<p>MUTO Premium - balance profile set 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.870</p>
	<p>MUTO Premium - balance profile set 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length</p>	<p>36.871</p>

	Product description	Art. No.
	<p>Floor stop Individually applicable for all options (glass or timber elements)</p>	<p>36.851</p>
	<p>Comfort LSG set Accessory set for use with LSG for one pair of clamp carrier</p>	<p>36.468</p>
	<p>MUTO Integrated locking device for Premium XL and Self-Closing, not suitable as a security barrier (only in combination with DORMOTION, not in combination with Synchro) Consisting of: 1 Adapter for track reception 1 Lock reception 1 Locking device 1 Frame system L & frame system XL 1 Battery</p> <p>Comfort * Battery for re-ordering</p>	<p>36.842</p> <p>36.845</p>
	<p>Comfort Locking device Portable radio remote control</p>	<p>36.848</p>

	Product description	Art. No.
	<p>Comfort Locking device Wall switch incl. radio remote control</p>	<p>36.849</p>
	<p>MUTO Accessory for locking unit for Comfort L, Premium XL and Self-Closing, 1 cable set for an optional use of the status indicator integrated in the locking unit</p>	<p>36.855</p>
	<p>Comfort Status-Indicator set with complete accessory (sensor, cable etc.)</p>	<p>36.840</p>

* to be defined by customer

Space for your notes

Content

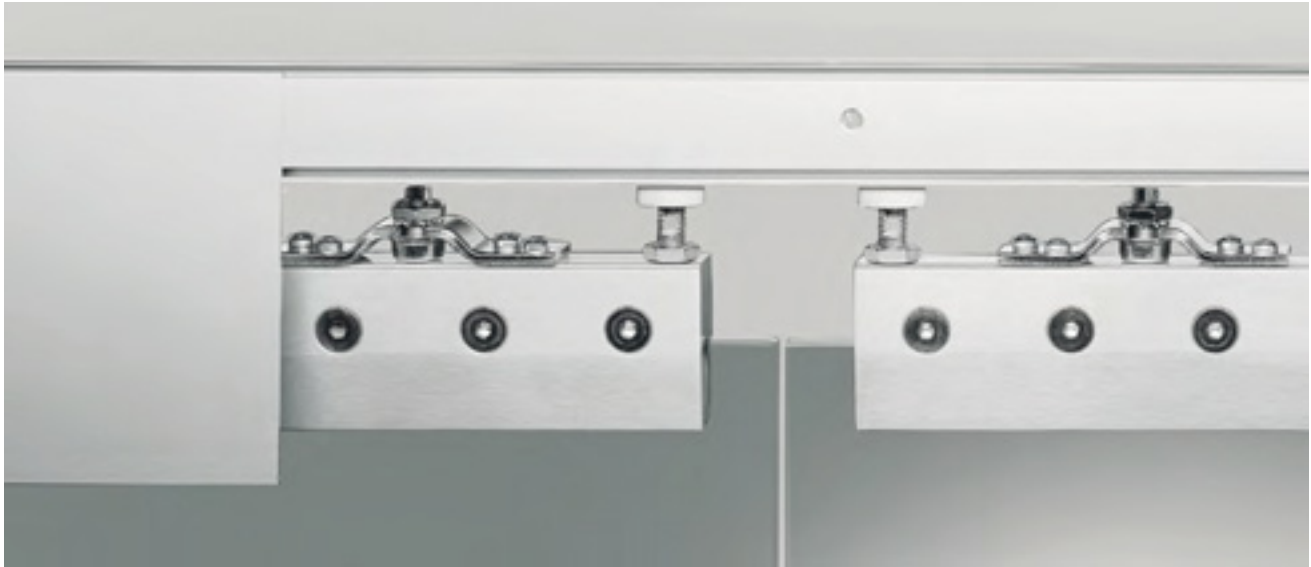
RS 120/RS 120 Synchro

118	General information
119	Type illustrations
122	Component parts
123/178	Accessories
195	Safety-related information



**RS 120 /
RS 120 Synchro**

General information



Rugged track

The hollow profiled aluminum track is light yet rugged and resistant to twisting. It can be fixed directly under the ceiling or onto a wall and simply cut to the required size.

Clip-on covers

The covers are made of aluminum, and are easily clipped onto the track. If the track is top fixed, onto the ceiling, the covers are used on both sides; if the track is side fixed, the cover is used on the exposed side only. The covers also can easily be cut to size.

Sidelight profile

A special profile to be hung and screwed into the track is available for the use with fixed sidelights. It ensures that the sidelight glass is mounted with the correct distance to the track.

As a matter of course the sidelight profile can be provided with clip-on covers. Furthermore the free sidelight profile in the passage area can be covered from below by a bottom view protection profile.

Gentle, easy action

The carriers run on large nylon wheels, with needle bearings, giving a quiet and very low friction ride. They are made from high grade, glass fibre reinforced nylon, which is corrosion-resistant and extremely strong.

End stop and holder

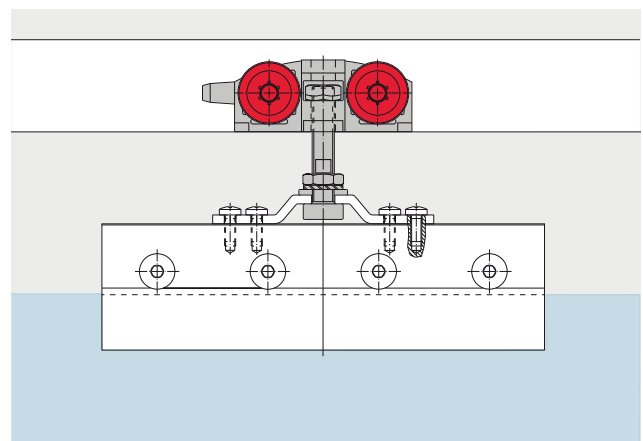
There is a clever device in the track which operates as a cushioned end stop, retaining the door securely in the end positions.

Synchro version

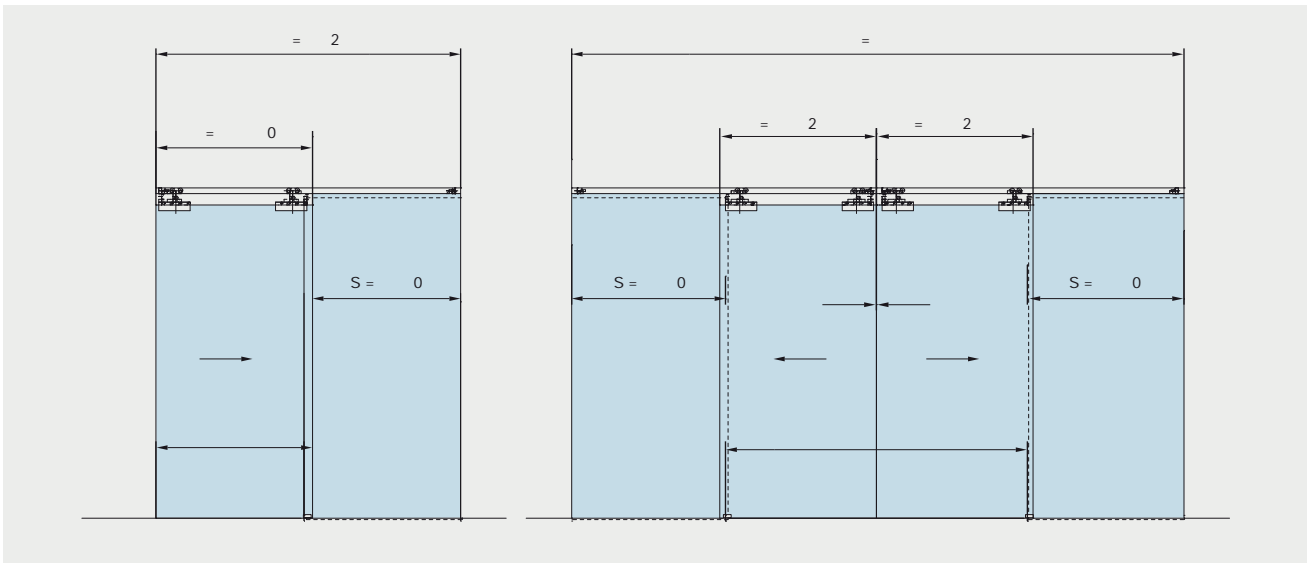
By a special cable and deflection device a synchronously opening system for a two-panel assembly can be realised. As only one of the panels has to be moved, the greatest possible operating convenience for maximum passage width is guaranteed.

No glass preparation

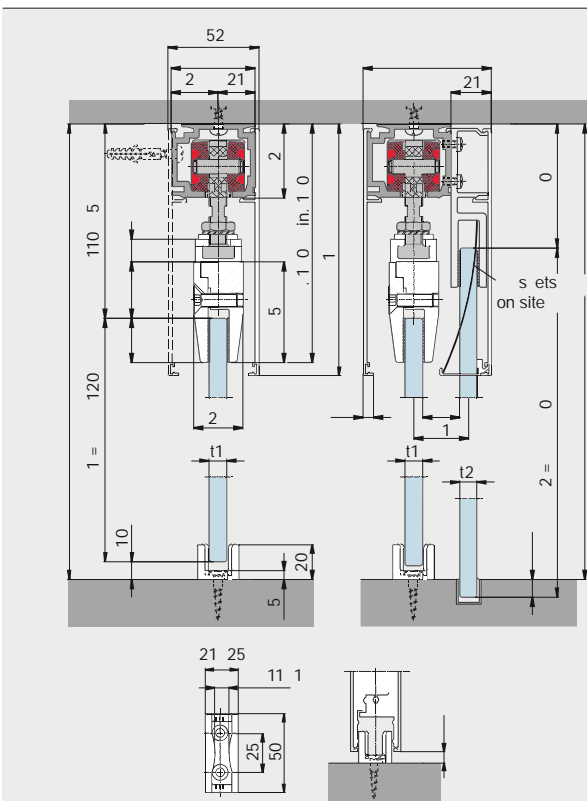
dormakaba has a wide experience in working with toughened glass, and this has led to the development of a clamping system which is all that is required for securing the glass blades in the RS sliding door gear. This has the additional benefit of allowing some door height adjustment, after the door is hung, without dismantling the already fixed glass.



Type illustrations



Fixed at ceiling



Adjustable floor guide

t1	x
6 mm	23 mm
10 mm	21 mm
12 mm	19 mm

Product description

RS 120

For one or more door panels, with or without sidelights;
8, 10 and 12 mm glass thickness.

Maximum weight of door panels

No. of carriers	max weight (kg) per door leaf
2	120
3	150

Torque for screws in the clamping patches

20 Nm

Calculation of glass height

Height of sliding door leaf:

$$GH1 = LH - 120$$

(see drawing left hand)

Height of sidelight:

$$GH2 = LH - 70 \text{ mm} + GE \text{ (see drawing right hand)}$$

Calculation of glass width

Width of sliding door leaf:

$$A = LW + 40 \text{ (min. 500)}$$

Width of sidelight:

$$S = A + 40$$

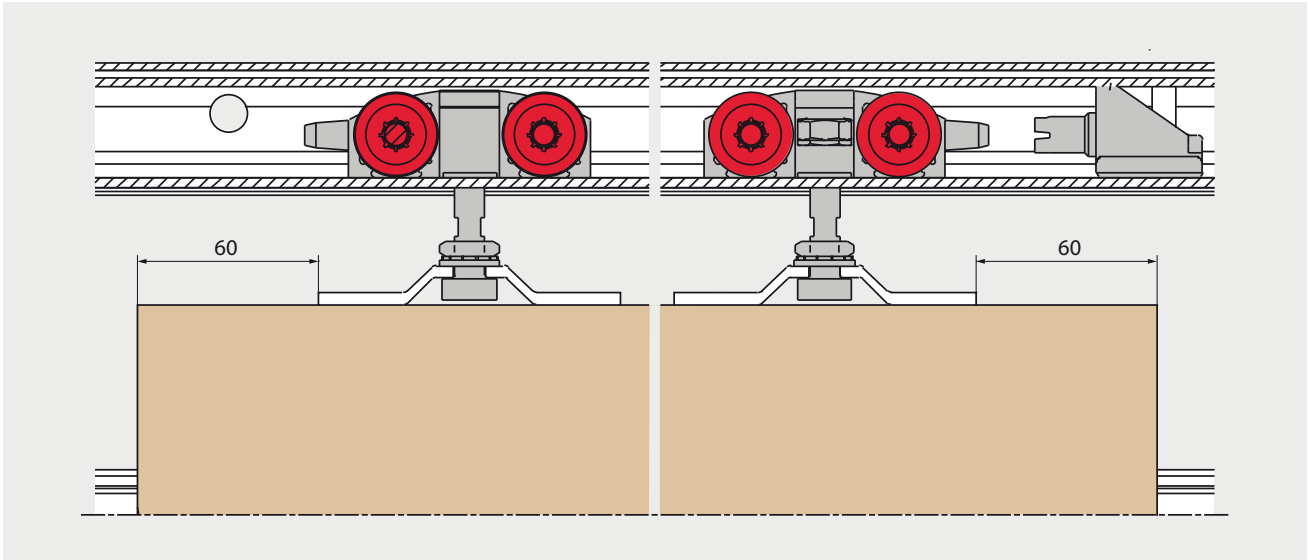
Note:

In order to maximise the protection afforded to the glass, we recommend that spacer 29.420 be fitted to sliding doors that move in opposite directions (see page 123).

A = Width of door leaf
B = Length of track
GH1 = Glass height of sliding door leaf
GH2 = Glass height of sidelight
GE = Glass rebate depth

LH = Clear opening height
LW = Clear opening width
S = Width of sidelight
t1 = Glass thickness sliding panel
t2 = Glass thickness side panel

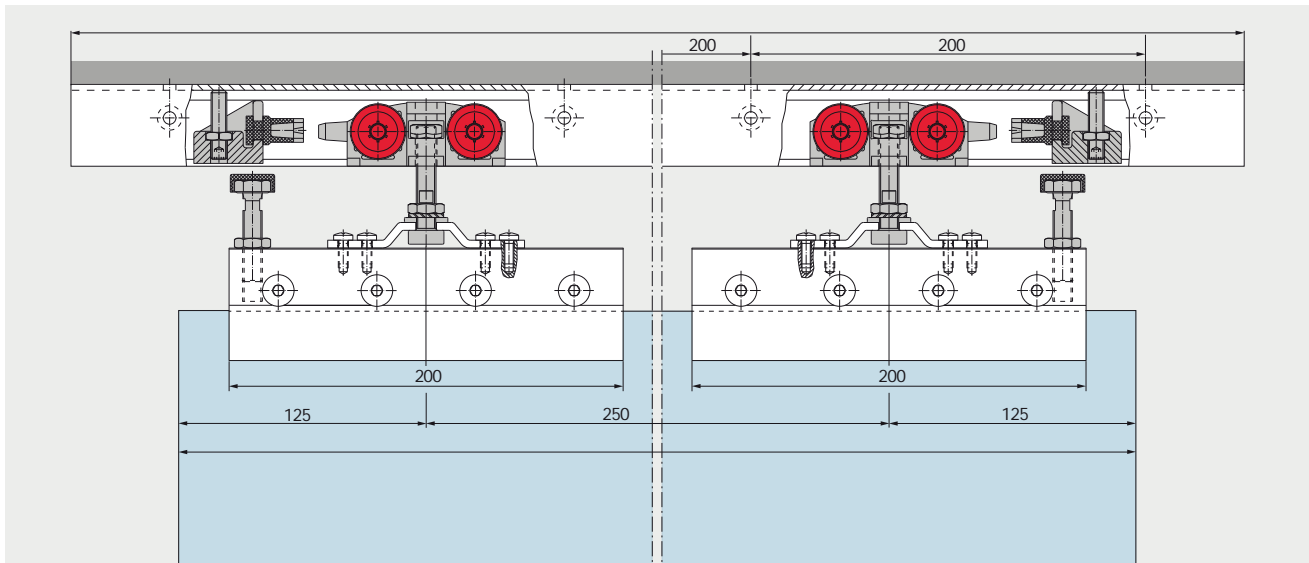
Sliding door system for timber doors



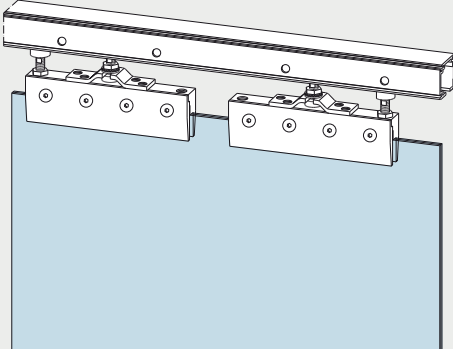
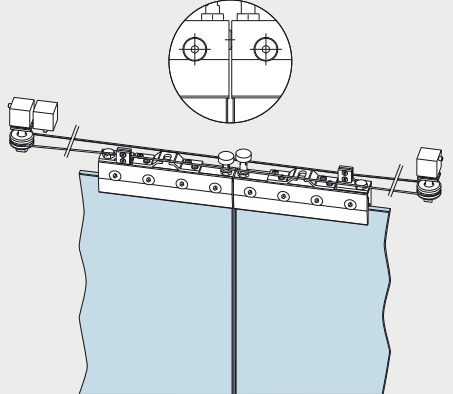
Sliding door system for timber doors	Product description	No. of carriers	max weight (kg) per door leaf
	<p>RS 120 For one or more door panels.</p> <p>Calculation of door panel height Height of sliding door leaf: $TH = LH - 90$ (see drawing left hand)</p>	2	120

TH = door height
LH = clear opening height

Type illustrations ceiling installation

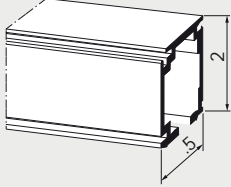
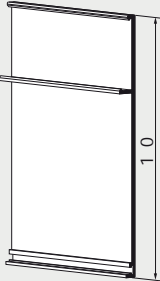
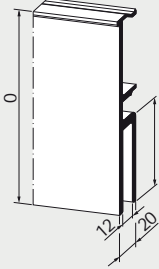
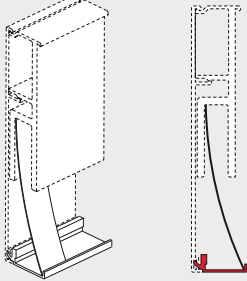


Opening to right side, Closing to left side (DIN Left)

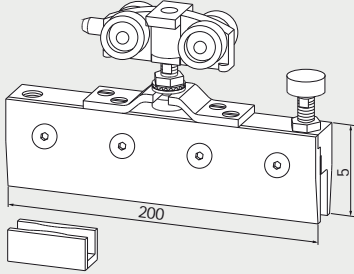
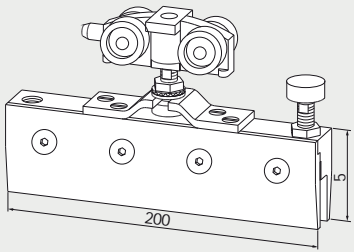
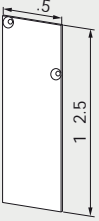
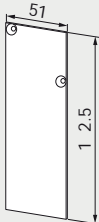
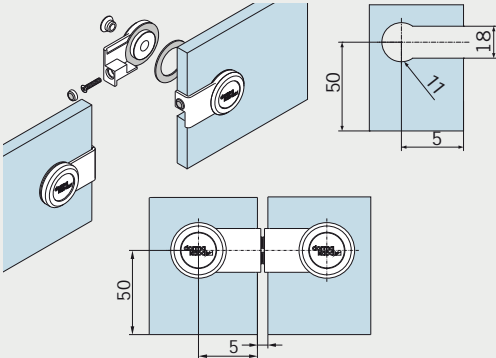
Fixed at ceiling	Product description	Track length B in mm	Weight in kg	Art. No.
	Sliding door gear RS 120 complete, consisting of: 1 track, 2 carriers with clamping patches and support screw for 8 and 10 mm glass thicknesses, 2 end stops and 1 floor guide.	1,900	4.503	07.101
		2,900	5.858	07.102
	Sliding door gear RS 120 Synchro For 2-panel synchronously opening system, max. panel width = 2 x 1,000 mm, max. panel weight = 80 kg per panel, consisting of: 2 x accessory set 07.125 1 x deflection device incl. cable, adjustable			07.150

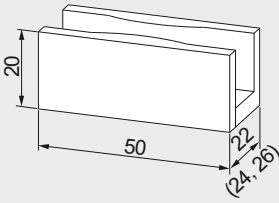
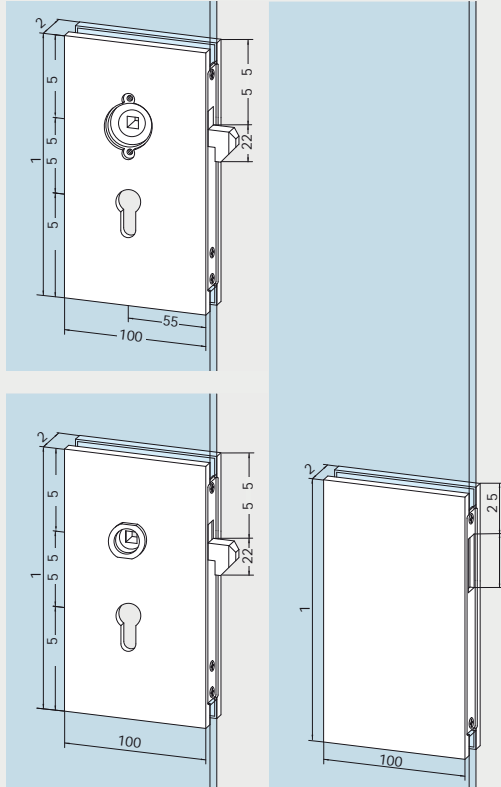
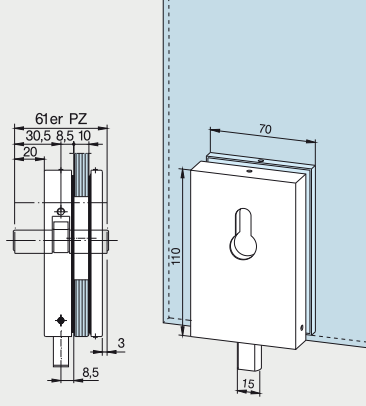
Track, if necessary sidelight profile, cover profile
 + view protection profile have to be ordered separately (see page 122).

Component parts RS 120/RS 120 Syncro

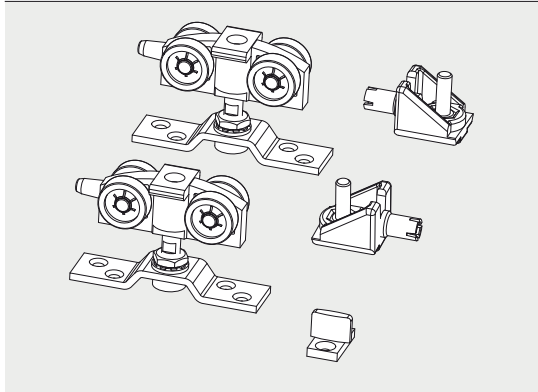
	Product description	Weight in kg/m	Art. No.
	<p>Track profile prepared for top or side fixing</p> <p>fixed length stock length 6,000 mm</p>	1.355	<p>07.131 07.121</p>
	<p>Cover profile for clip attachment with connecting web for view protection profile 07.137/138</p> <p>fixed length stock length 6,000 mm</p>	0.826	<p>07.141 07.140</p>
	<p>Sidelight profile non prepared</p> <p>fixed length stock length 6,000 mm</p>	1.680	<p>07.132 07.122</p>
	<p>Bottom view protection profile (only in combination with sidelight profile 07.132/122 and cover profile 07.141/140)</p> <p>fixed length stock length 6,000 mm</p>	0.164	<p>07.137 07.138</p>

Accessories RS 120/RS 120 Synchro

	Product description	Weight in kg/m	Art. No.
	<p>Set of accessories consisting of: 2 carriers with clamping patches (8 and 10 mm glass thicknesses) and support screw, 2 end stops with safety catch, 1 floor guide</p>		07.125
	<p>Additional carrier with clamping patches (8 and 10 mm glass thicknesses) for max. panel weight 150 kg</p> <p>Pair of intermediate aluminum plates for 12 mm glass thickness (for 2 clamping parts) (not illustrated)</p>		07.123 07.118
	<p>End cap track connected to wall left/right hand, incl. screws</p>	0.037	07.127
	<p>End cap track connected to ceiling left/right hand, incl. screws</p>	0.037	07.129
	<p>Spacer for sliding doors that move in opposite directions</p> <p>Please order our detail sheet 29-044-B for details of glass preparations.</p>		29.420

	Product description	Weight in kg/m	Art. No.
	<p>Floor guide, adjustable</p>	0.024	07.126
	<p>Hook lock for sliding doors, nightlatch function, suitable for aluminum lever handles with round roses (10.307), prepared for Europrofile cylinder, left hand and right hand, with lock keeper plate</p>	1,325	05.200
	<p>Suitable for lever handles with follower</p>	1,325	05.202
	<p>Strike box to suit hook lock, (05.200, 05.202), non-handed</p>	0,890	05.201
	<p>Corner lock, for vertical or horizontal fixing, double throw, bolt projection 20 mm, hardened oval bolt, prepared for Europrofile cylinder</p>	0,849 1,033	05.100
	<p>prepared for KABA</p>	0,842 1,020	05.105 not illustr.
	<p>Prepared for one-sided Europrofile cylinder, lockable from inside</p>	0,858 1,038	05.116 not illustr.

Component parts for RS 120 for timber applications

Product description**Art. No.**

RS 120 accessories
for timber applications
consisting of:
2 carriers,
2 end stops with safety catch,
1 floor guide

07.135

Content

MANET Compact Sets

128	General information
130	Set type 4.1/4.2
132	Set type 5.1/5.2
134	Set type 6.1/6.2
178	Accessories
195	Safety-related information

All elements -including the pull handles- are available in an elegant stainless steel finish. All the components are manufactured from the steel grade 1.4305 (approx. AISI 303) for normal interior applications.

For damp room or external applications (but not for saunas or swimming pools), special selected fittings manufactured in the stainless steel grade

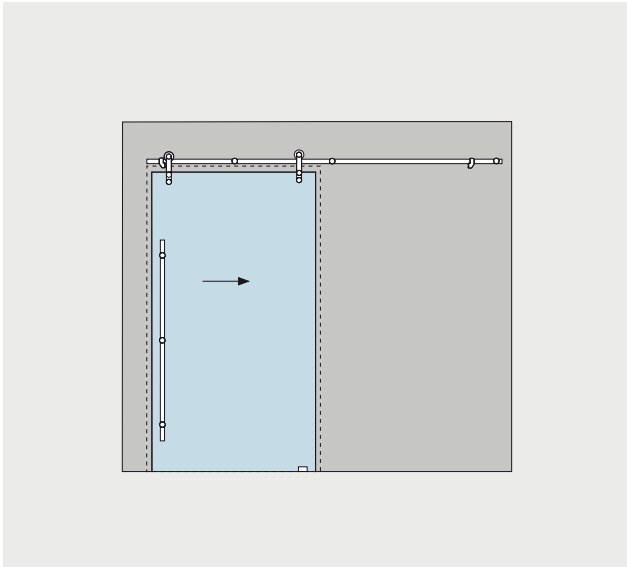
1.4404 (approx. AISI 316) are also available. The material selection necessary for your application can be determined with the aid of German general building regulations approval Z-30.3-6.

Note: The products detailed in this brochure are exclusively intended for glass assemblies that do not require separate building regulations approval.



MANET Compact Sets

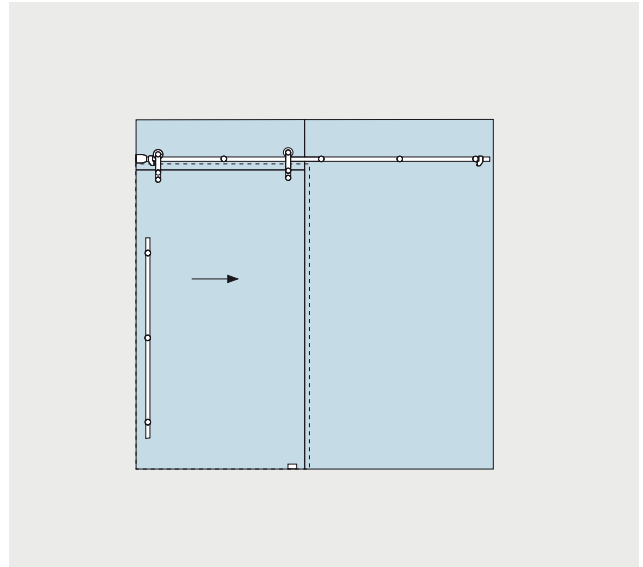
MANET Compact Sets



Set 4.1/4.2

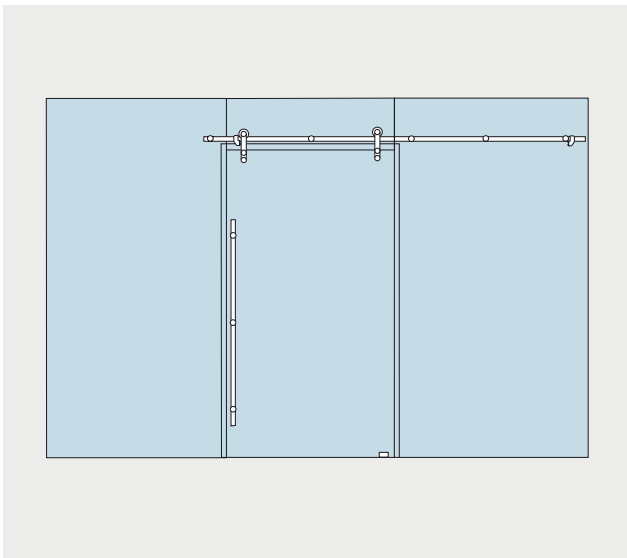
The aesthetic elegance of the MANET Compact concept is also available in the form of standardized sets for simple, fast planning of the more popular system types.

Optional accessories enable the individual sets to be semi-customized.

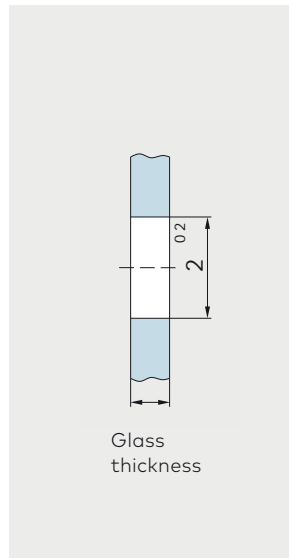


Set 5.1/5.2

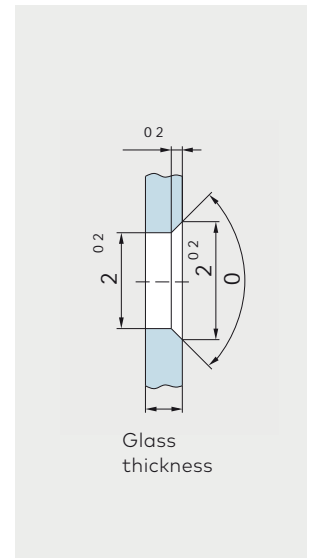
The system components offer numerous adjustment possibilities in order to ensure problem-free installation of whichever door type – sliding or swing, single action or double action – is required. Wall abutment profiles may need to be provided (by others) for fixing over-panels and sidelights. see dormakaba technical brochure Fittings for Toughened Glass Assemblies)



Set 6.1/6.2



Cylindrical bore for clamping disc single-point fixings

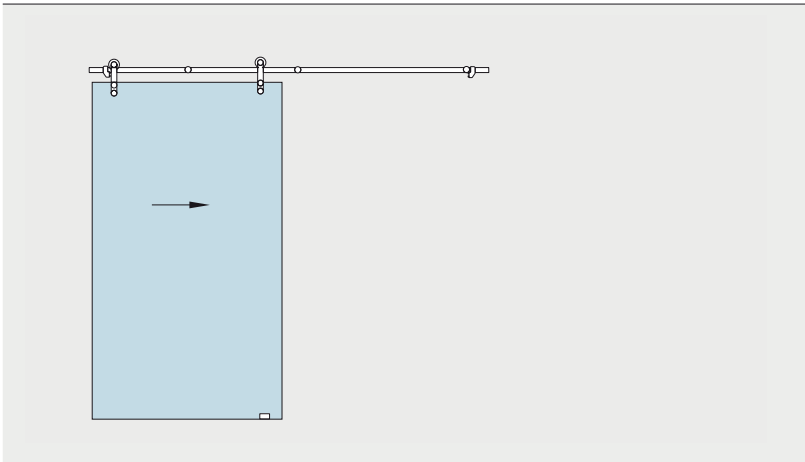


Countersunk bore for countersunk single-point fixings



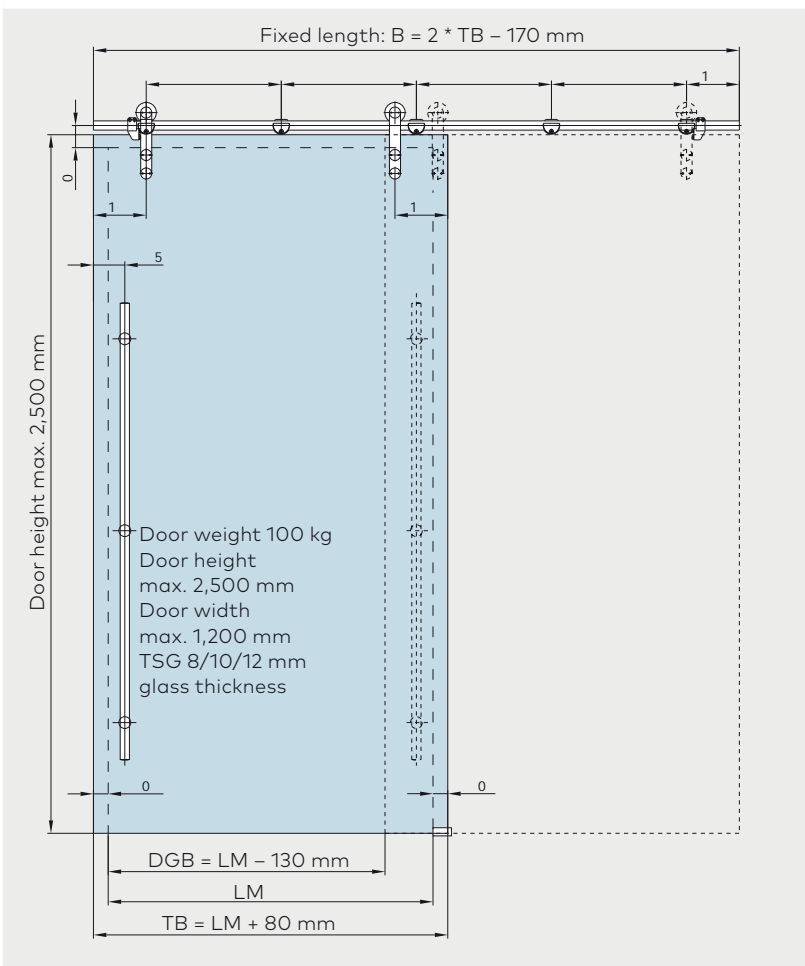
Set 4.1/4.2

Sliding door MANET Compact for installation at wall, for 8 – 12 mm glass



Set 4.1
with single-point fixings countersunk

Set 4.2
with clamping disc single-point fixings



LM = Daylight opening
TB = Door width
DGB = Entry width

B = Tubular track length
X = Distance of single-point fixings (LL – 286) / 4

Sliding door MANET COMPACT for installation at wall, for 8 – 12 mm glass

Set 4.1/Set 4.2	Set 4.1 with single-point fixings countersunk Art. No.	Set 4.2 with clamping disc single-point fixings Art. No.
consisting of: 5 Clamp fixings for track / wall 2 Roller carriers CLASSIC incl. single-point fixings for 8 – 12 mm glass 1 Door stop left hand 1 Door stop right hand 1 Floor guide AGILE Installation tools	29.916	29.917
Set as above, but with 16 mm extended clamp fixing	29.925	29.926
Not covered by the set: Tubular track incl. end cups in fixed length*	21.436	21.436
Tubular track, incl. end cups, stock length 3,000 mm	21.527	21.527

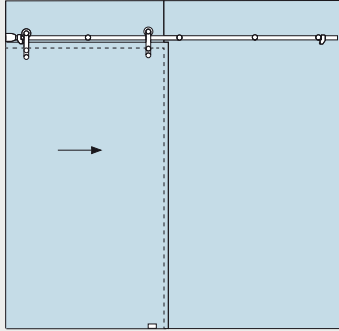
Accessory options for Set 4.1/Set 4.2

Pull handles / Recessed pull grip			
Pull handles	Length 350 mm	29.268	21.240
	Length 720 mm	29.271	21.241
	Length 1,240 mm	29.274	21.242
	Length 1,760 mm	29.277	21.243
Pair of pull handles	Length 350 mm		21.267
	Length 720 mm		21.270
	Length 1,240 mm		21.273
	Length 1,760 mm		21.276
Recessed pull grip Ø 60 mm	for 8/10/12 mm glass		21.291
Recessed pull grip with grip hole Ø 60 mm	for 8 mm glass		21.292
	for 10 mm glass		21.293
	for 12 mm glass		21.294
Corner lock			
Corner lock			21.448
Corner lock with rose on one lock side			29.449
Profile cylinder for corner lock 21.448/449			14.206
Eccentric bushing for corner lock 21.448/449			05.194
Further accessories			
Aluminum guide rail with brush seals	stock length 3,000 mm		21.432
	stock length 6,000 mm		21.430
Assembling tool for MANET single-point fixing			21.134

*When ordering please indicate the necessary length. For calculation please see adjoining page.

Set 5.1/5.2

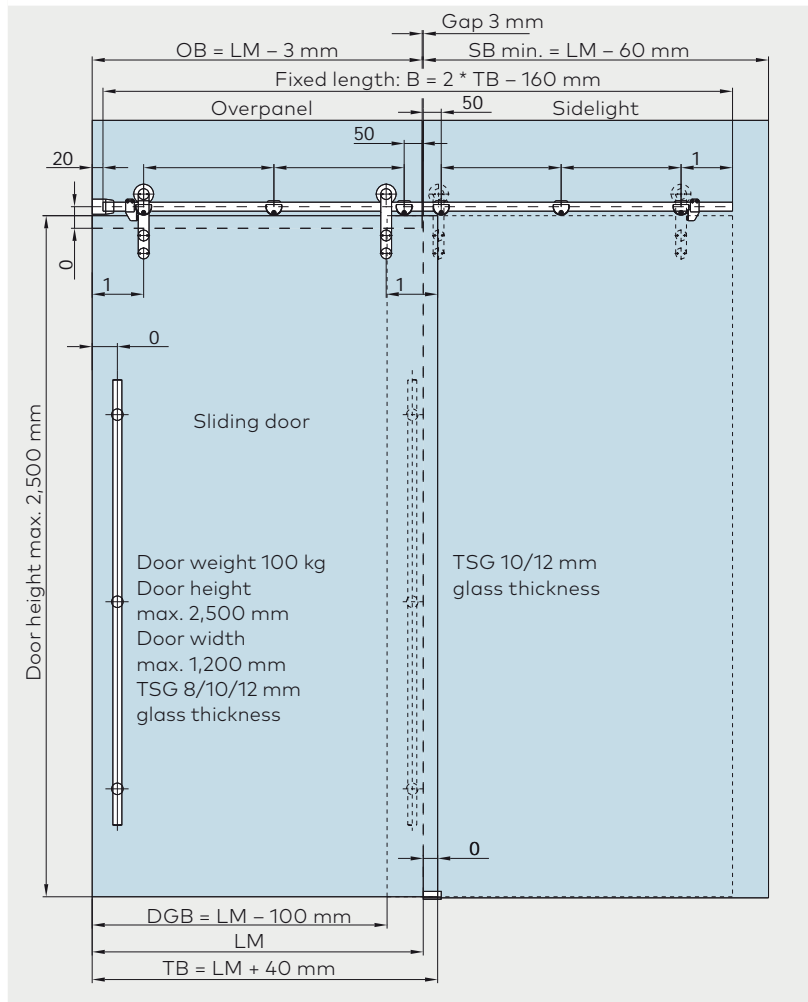
Sliding door MANET COMPACT for installation at glass, one side attached to masonry



for sliding door 8 – 12 mm glass,
fixed element 10 – 12 mm glass

Set 5.1
with countersunk single-point fixings

Set 5.2
with clamping disc single-point fixings



- LM = Daylight opening
- TB = Door width
- DGB = Entry width
- SBmin. = Min. sidelight width
- B = Tubular track length

- X = Center distance between single-point fixings overpanel
 $(OB - 193) * 1/2$
- Y = Center distance between single-point fixings sidelight
 $Y = X - 29$
- OB = Overpanel width

Sliding door MANET COMPACT for installation at glass, one side attached to masonry

**for sliding door 8 – 12 mm glass,
fixed element 10 – 12 mm glass**
Set 5.1/Set 5.2
**Set 5.1 with
single-point
fixings
countersunk
Art. No.**
**Set 5.2 with
clamping disc
single-point
fixings
Art. No.**

consisting of: 6 Clamp fixings fixing at glass 2 Roller carriers CLASSIC incl. single-point fixings for 8 – 12 mm glass 1 Wall fixing 1 Door stop left hand 1 Door stop right hand 1 Floor guide AGILE Installation tools	29.918	29.919
Not covered by the set: Tubular track incl. end cups fixed length*		21.436
Tubular track incl. end cups, stock length 3,000 mm		21.527

Accessory options for Set 5.1/Set 5.2
Pull handles / Recessed pull grip

Pull handles	Length 350 mm	29.268	21.240
	Length 720 mm	29.271	21.241
	Length 1,240 mm	29.274	21.242
	Length 1,760 mm	29.277	21.243
Pair of pull handles	Length 350 mm		21.267
	Length 720 mm		21.270
	Length 1,240 mm		21.273
	Length 1,760 mm		21.276
Recessed pull grip Ø 60 mm	for 8/10/12 mm glass		21.291
Recessed pull grip with grip hole Ø 60 mm	for 8 mm glass		21.292
	for 10 mm glass		21.293
	for 12 mm glass		21.294

Corner lock

Corner lock		21.448
Corner lock with rose on one lock side		29.449
Profile cylinder for corner lock 21.448/449		14.206
Eccentric bushing for corner lock 21.448/449		05.194

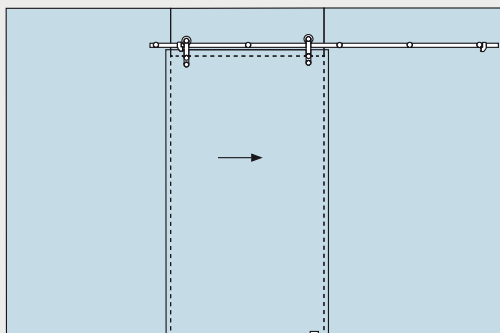
Further accessories

Aluminum guide rail with brush seals	stock length 3,000 mm	21.432
	stock length 6,000 mm	21.430
Ceiling connector (bearing function)	29.337	29.338
Assembling tool for MANET single-point fixing		21.134

* When ordering please indicate the necessary length! For calculation please see adjoining page.

Set 6.1/6.2

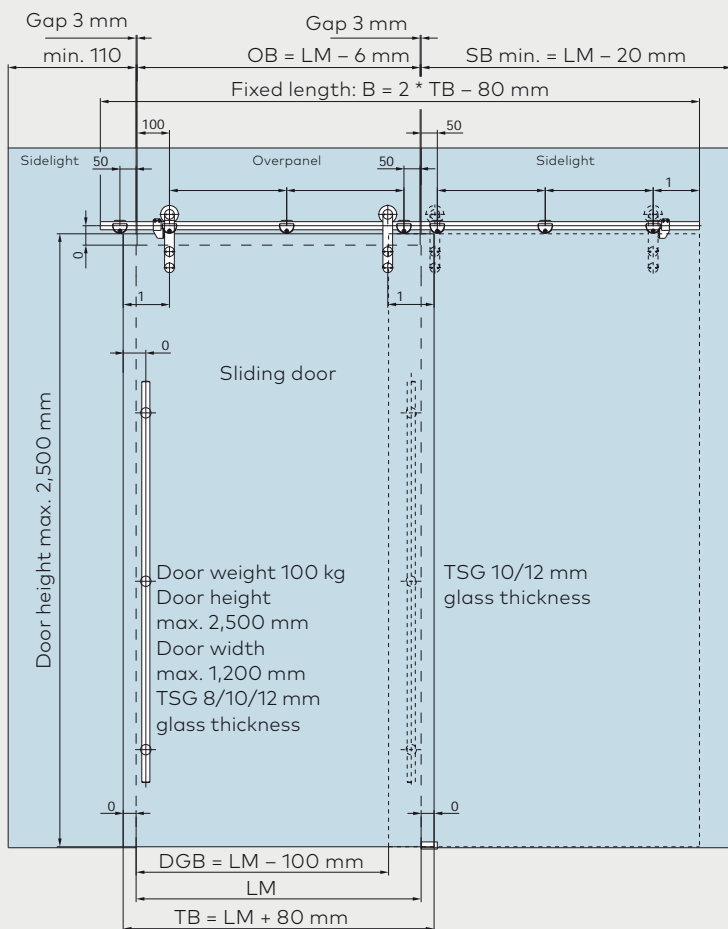
Sliding door MANET COMPACT for installation at glass, sidelights on both sides



for sliding door 8 – 12 mm glass,
fixed element 10 – 12 mm glass

Set 6.1
with countersunk single-point fixings

Set 6.2
with clamping disc single-point fixings



An appropriately dimensioned and torsionally stiff substructure will need to be provided for installation.

- LM = Daylight opening
- TB = Door width
- DGB = Entry width
- OB = Overpanel width
- SBmin. = min. sidelight width

- B = Tubular track length
- X = Center distance between single-point fixings overpanel
 $(OB - 150) * 1/2$
- Y = Center distance between single-point fixings sidelight
 $Y = X - 29$

Sliding door MANET COMPACT for installation at glass, sidelight on both sides

**for sliding door 8 – 12 mm glass,
fixed elements 10 – 12 mm glass**
Set 6.1/Set 6.2
**Set 6.1 with
single-point
fixings
countersunk
Art. No.**
**Set 6.2 with
clamping disc
single-point
fixings
Art. No.**

consisting of:	29.920	29.921
7 Clamp fixings fixing at glass		
2 Roller carriers CLASSIC incl. single-point fixings for 8 – 12 mm glass		
1 Door stop left hand		
1 Door stop right hand		
1 Floor guide AGILE		
Installation tools		
Not covered by the set:		
Tubular track incl. end cups fixed length*		21.436
Tubular track incl. end cups, stock length 3,000 mm		21.527

Accessory options for Set 6.1/Set 6.2
Pull handles / Recessed pull grip

Pull handles	Length 350 mm	29.268	21.240
	Length 720 mm	29.271	21.241
	Length 1,240 mm	29.274	21.242
	Length 1,760 mm	29.277	21.243
Pair of pull handles	Length 350 mm		21.267
	Length 720 mm		21.270
	Length 1,240 mm		21.273
	Length 1,760 mm		21.276
Recessed pull grip Ø 60 mm	for 8/10/12 mm glass		21.291
Recessed pull grip with grip hole Ø 60 mm	for 8 mm glass	21.292	
	for 10 mm glass	21.293	
	for 12 mm glass	21.294	

Corner lock

Corner lock		21.448
Corner lock with rose on one lock side		29.449
Profile cylinder for corner lock 21.448/449		14.206
Eccentric bushing for corner lock 21.448/449		05.194

Further accessories

Aluminum guide rail with brush seals	stock length 3,000 mm	21.432	
	stock length 6,000 mm	21.430	
Ceiling connector (bearing function)		29.337	29.338
Assembling tool for MANET single-point fixing			21.134

* When ordering please indicate the necessary length! For calculation please see adjoining page.

Content

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150	Glass preparation
148/178	Accessories
195	Safety-related information

All elements -including the pull handles- are available in an elegant stainless steel finish. All the components are manufactured from the steel grade 1.4305 (approx. AISI 303) for normal interior applications.

For damp room or external applications (but not for saunas or swimming pools), special selected fittings manufactured in the stainless steel grade 1.4404 (approx. AISI 316) are also available. The

material selection necessary for your application can be determined with the aid of German general building regulations approval Z-30.3-6, Tables 1 and 1a or other national equivalents.

Note: The products detailed in this brochure are exclusively intended for glass assemblies that do not require separate building regulations approval.



MANET Concept Sliding door system

Sliding door system

The MANET sliding door system is ideal as an elegant addition complementing high-style interior concepts. Its main components take the form of a solid track rail and the roller carrier. Whether you prefer the TREND or CLASSIC versions, both can be combined with the solid track or a tubular track. The range includes both glass-flush and proud single-point fixings. The sliding door system allows plenty of scope for individual ideas.

In addition to the standard versions incorporated in toughened glass partitions or face-fixed on masonry openings, this hardware system can also be used to construct curved sliding doors, biparting sliding doors and parallel sliding doors. The fittings are designed for a door weight of max. 120 kg, resp. 80 kg with roller to glass. Mechanical stops that can be positioned on the track rail ensure that the door travel distance is effectively limited.

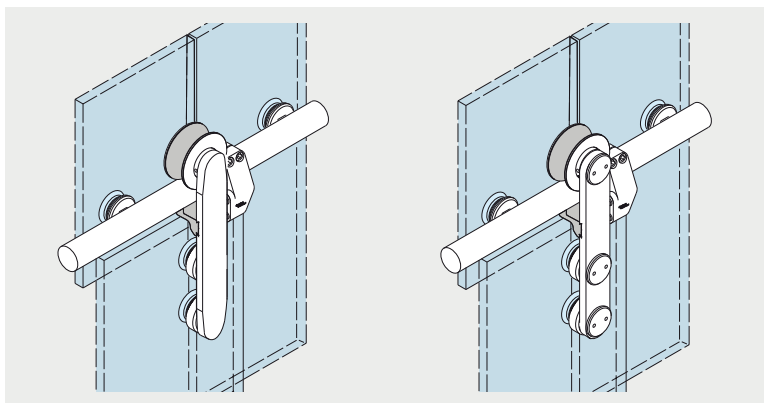


Roller carrier TREND



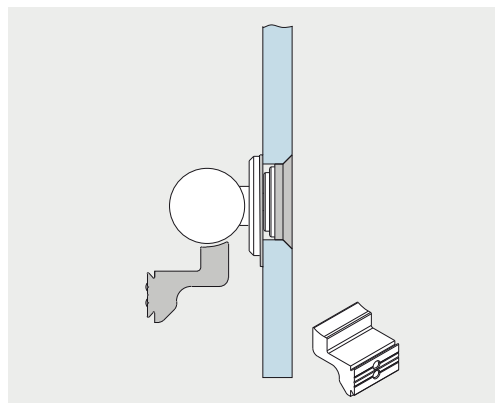
Roller carrier CLASSIC

Glass connection with drilled solid tracks



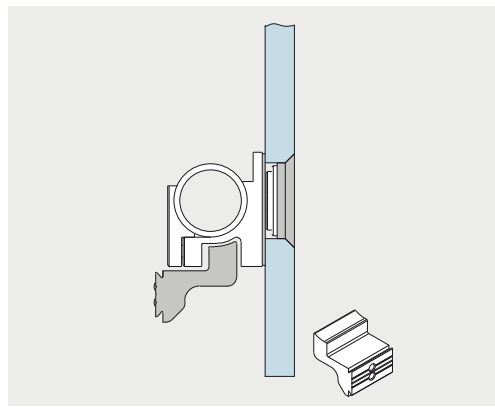
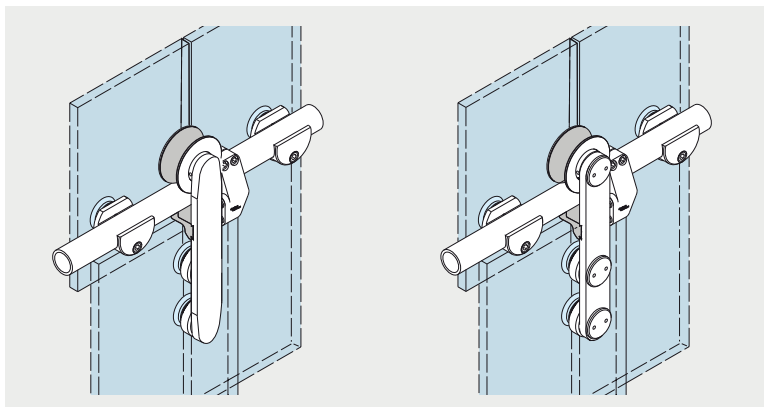
Roller carrier TREND

Roller carrier CLASSIC

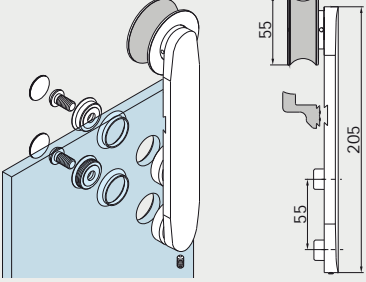
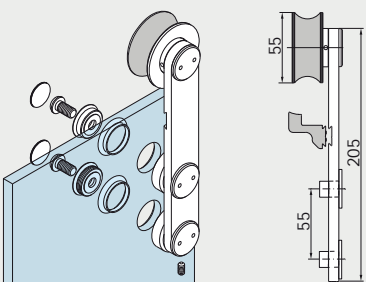
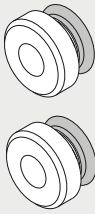
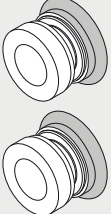


Towards securing the panel an accordant anti-jump device for solid and tubular tracks will be used.

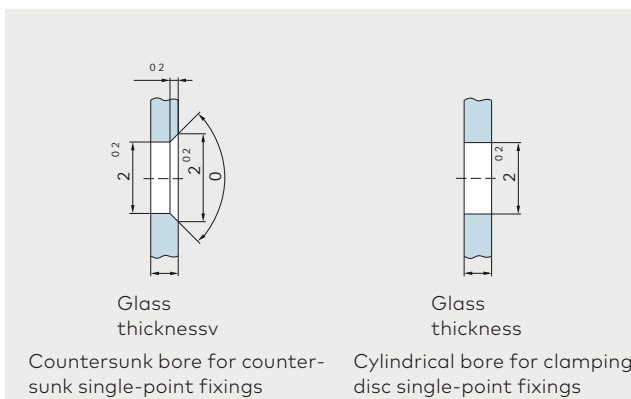
Glass connection with clamp fixing and tubular tracks



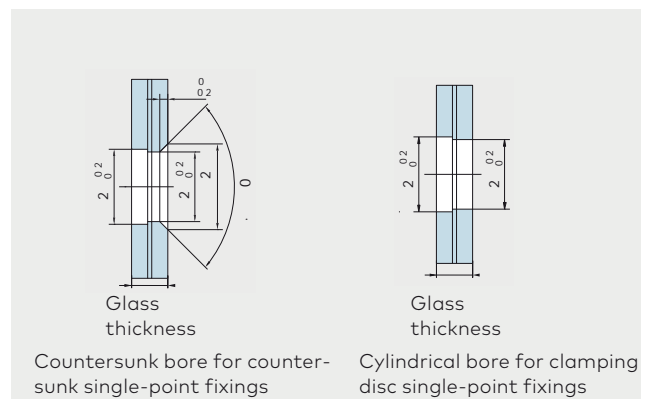
Roller carrier

	Product description	Glass thickness	Art. No.
	<p>Roller carrier TREND incl. anti-jump device</p> <p>only lug with roller</p>		<p>29.424</p>
	<p>Roller carrier CLASSIC incl. anti-jump device</p> <p>only lug with roller AISI 316L</p>		<p>29.422 29.423</p>
	<p>Single-point fixing for roller carrier, 2 pcs. each</p> <p>countersunk for glass AISI 316L</p> <p>clamping disc for glass AISI 316L</p> <p>countersunk for glass countersunk for glass</p>	<p>8 – 12 mm</p> <p>8 – 12 mm</p> <p>13.5 – 17.5 mm 19 mm</p>	<p>29.430 29.431</p> <p>29.432 29.433</p> <p>29.435 29.437</p>
	<p>Single-point fixings for roller carrier at timber, 2 pcs. each</p> <p>countersunk for 20 – 40 mm timber clamping disc for 20 – 40 mm timber</p>		<p>29.510 29.520</p>

TSG



LSG



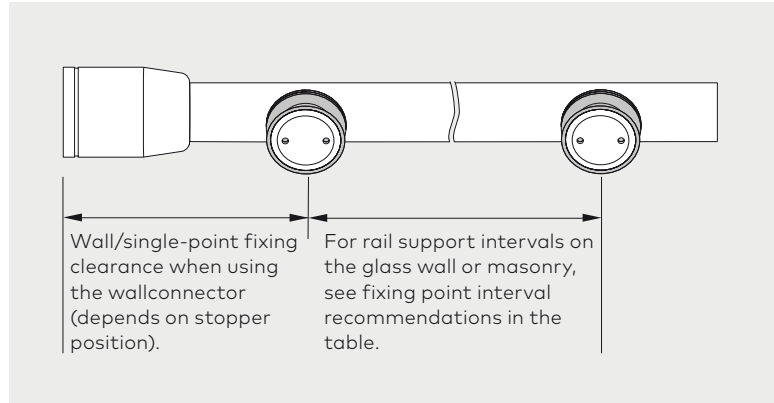
Solid track and accessories

Track supply and installation

The track rail for the sliding door is pre-fabricated according to the customer's drawing and supplied together with the glass or wall brackets ordered for the application concerned.

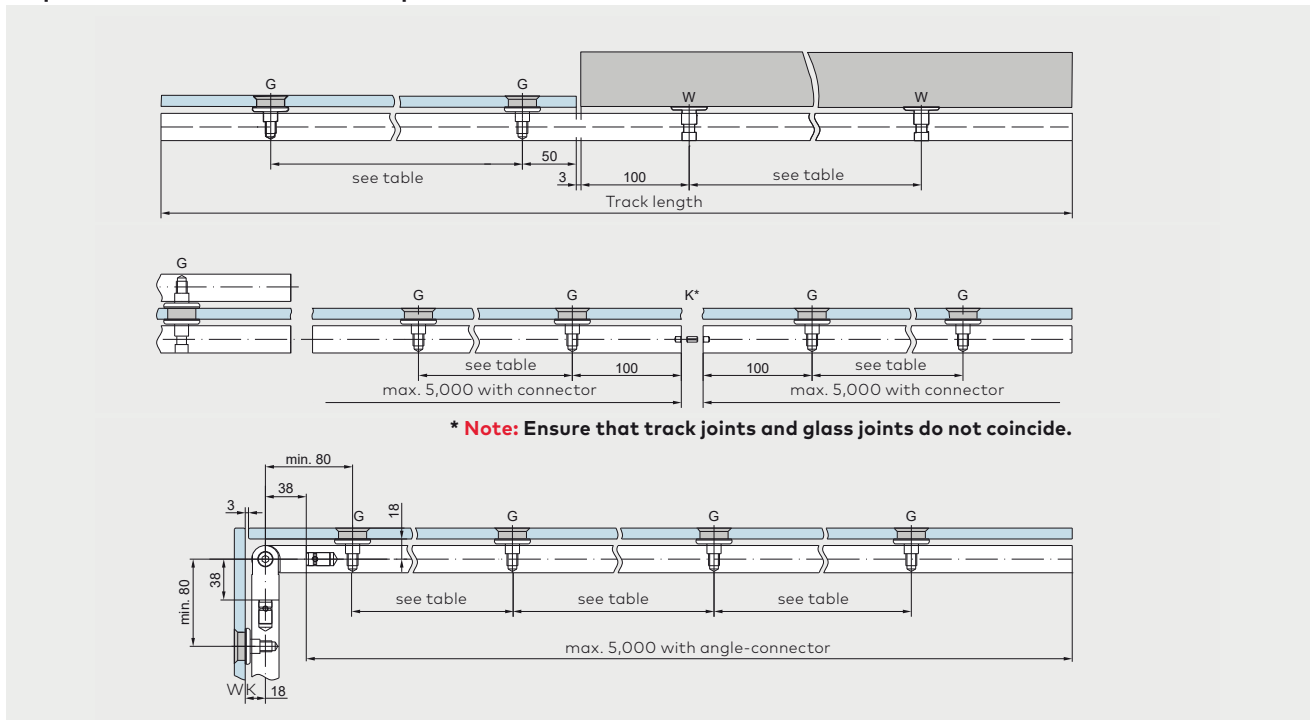
Fixing screws for wall installation by others

Of decisive importance for prefabrication and fixing to glass partitions is that the mounting points coincide with the holes drilled in the glass. The length-wise tolerances should not be greater than ± 0.3 mm.



Caution! Ensure that the stops/single-point fixings are positioned at locations appropriate to the width of the door.

Required dimensions for the track production

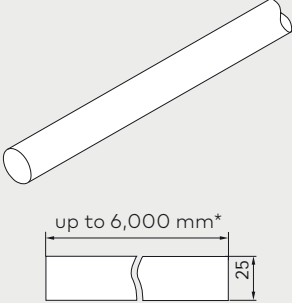
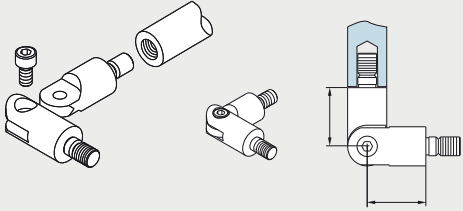
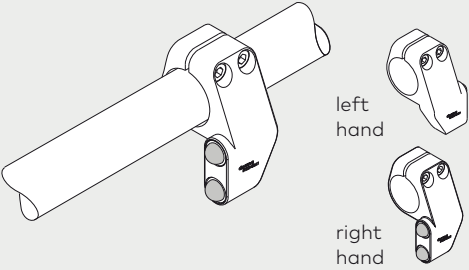
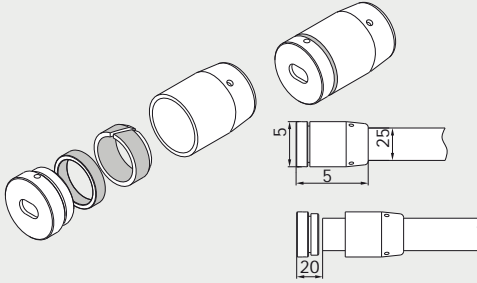



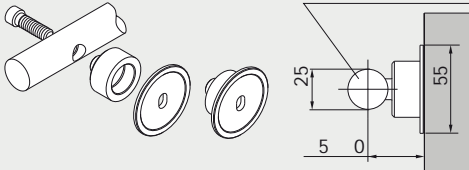
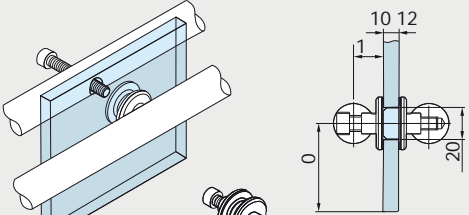
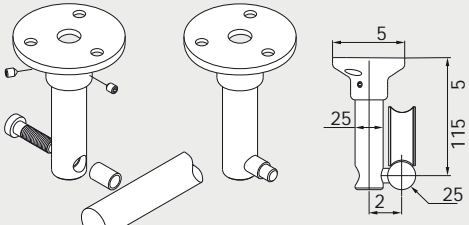
G = Fixing point at glass
W = Fixing point at wall

K = Connection
WK = Angle-connection

Recommended distance of the track fixing points

Door height in mm	Door width in mm																										
	700			800			900			1,000			1,100			1,200			1,300			1,400					
	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm	Glass thickness mm					
1,900	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
2,000	770	710	670	770	720	670	770	710	670	760	710	670	760	700	660	750	700	650	740	690	650	730	680	640	730	680	640
2,100	750	700	650	750	700	660	750	700	650	740	690	650	740	680	640	730	680	640	720	670	630	720	670	630	720	660	630
2,200	730	680	640	730	680	640	730	680	640	730	670	630	720	670	630	710	660	620	710	660	620	700	650	610	700	650	610
2,300	710	660	620	710	660	620	710	660	620	710	660	620	700	650	610	700	650	610	690	640	600	690	640	600	680	630	600
2,400	690	640	610	700	650	610	700	640	610	690	640	600	690	640	600	680	630	600	680	630	590	670	620	580	670	620	580
2,500	680	630	590	680	630	590	680	630	590	680	630	590	670	620	590	670	620	580	660	610	580	660	610	580	660	610	-
2,500	660	610	580	670	620	580	670	610	580	660	620	580	660	610	580	650	610	570	650	600	570	640	600	570	640	600	-

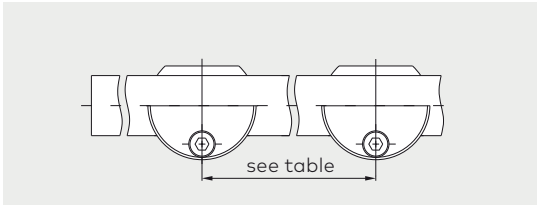
	Product description	Art. No.
 <p>*max. single length 5,000 mm by coupling</p>	<p>Solid track The track rail is prefabricated per customer specifications/ drawing with all the necessary drill holes already provided.</p> <p>Track, drilled for fixing at glass fixed length up to 6,000 mm</p> <p>AISI 316L</p> <p>for fixing at wall up to 6,000 mm</p> <p>AISI 316L</p> <p>Track, undrilled for fixing with clamp brackets fixed length up to 6,000 mm</p> <p>Also for AISI 316L</p>	<p>21.405</p> <p>21.456</p> <p>21.406</p> <p>21.457</p> <p>21.407</p> <p>21.458</p>
<p>Threaded rod M5 x 6</p>  <p>Angle connection 90 – 180°</p>	<p>Connectors</p> <p>offset for tracks 90 – 180°</p> <p>Also for AISI 316L</p>	<p>21.442</p> <p>21.443</p>
 <p>left hand</p> <p>right hand</p>	<p>Door stop</p> <p>left hand AISI 316L</p> <p>right hand AISI 316L</p>	<p>29.425</p> <p>29.427</p> <p>29.426</p> <p>29.428</p>
	<p>Wall fixing for tubular track / solid track</p> <p>AISI 316L</p>	<p>29.445</p> <p>29.446</p>

Solid track fixing at wall	Product description	Art. No.
	<p>Flange for fixing the track at wall AISI 316L</p>	<p>21.346 21.347</p>
Solid track fixing at wall, adjustable	Product description	Art. No.
 <p>2-dimensional adjustment via oblong hole</p>	<p>Flange for fixing the track at wall, adjustable Adjustment + 5 mm Note: min. distance glass to wall 32 mm</p>	<p>21.412</p>
Fixing a double track	Product description	Art. No.
	<p>Fixing for double track</p>	<p>21.170</p>
Solid track fixing at ceiling	Product description	Art. No.
	<p>Ceiling retainer for track carrying function</p>	<p>21.315</p>

Single-point fixing for solid track fixing at glass	Product description	Glass thickness	Art. No.
	for X = 20 – 30 mm Single-point fixing, countersunk, fixed AISI 316L	10/12 mm	29.460 29.461
		13.5 – 15.5 mm 17.5 mm	29.450 29.451
	clamping disc, fixed AISI 316L	10/12 mm	29.465 29.466
	countersunk, centering AISI 316L	10/12 mm	29.462 29.463
		13.5 – 15.5 mm 17.5 mm	29.455 29.456
	clamping disc, centering AISI 316L	10/12 mm	29.467 29.468
	for X = 35 – 40 mm Single-point fixing		
	countersunk, fixed	10/12 mm	29.530
	countersunk, centering	10/12 mm	29.531

Selection guide, solid track fixing for timber doors			to glass 10/12 mm				to wall
X	Z	max. door weight kg	Single-point fixing fixed for track		Single-point fixing centering for track		Flange for track
mm	mm		Art. No.		Art. No.		Art. No.
			counter-sunk	clamping disc	counter-sunk	clamping disc	
20-30	18.5	120	29.460	29.465	29.462	29.467	21.346
35-40	35	100	29.530	-	29.531	-	21.412

Tubular tracks and accessories



Recommended distance of the track fixing points

Door height in mm	Door width in mm																													
	700			800			900			1,000			1,100			1,200			1,300			1,400								
	Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm								
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12			
1,900	350	350	350	400	400	400	450	450	450	500	500	500	550	550	530	600	550	520	590	550	510	580	540	510	570	530	500	570	530	500
2,000	350	350	350	400	400	400	450	450	450	500	500	500	550	540	510	580	540	510	570	530	500	570	530	500	570	530	500	570	530	500
2,100	350	350	350	400	400	400	450	450	450	500	500	500	550	530	500	570	530	500	560	520	490	560	520	490	560	520	490	560	520	490
2,200	350	350	350	400	400	400	450	450	450	500	500	500	550	520	490	550	510	480	550	510	480	540	500	470	540	500	470	530	490	460
2,300	350	350	350	400	400	400	450	450	450	500	500	500	550	510	480	540	500	470	540	500	470	530	490	460	530	490	460	520	480	-
2,400	350	350	350	400	400	400	450	450	450	500	500	500	530	500	470	530	490	460	530	490	460	520	480	-	520	480	-	510	470	-
2,500	350	350	350	400	400	400	450	450	450	500	500	500	520	490	460	520	480	450	520	480	450	510	470	-	510	470	-	510	470	-

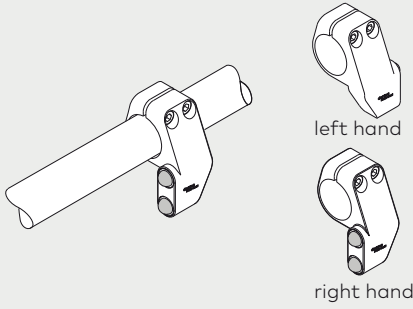
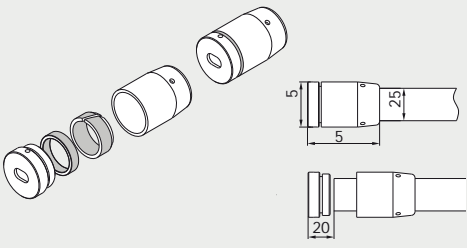
	Product description	Art. No.
	Tubular track incl. end plugs stock length 3,000 mm AISI 316L Fixed length up to 6,000 mm AISI 316L	21.527 21.530 21.436 21.532
	Tubular track bent, incl. end plugs max. curve length 2,600 mm max. curve length 5,600 mm	21.409 21.413
	Angled connection for tubular track, 90° – 180°	21.535
	Angle connection for tubular track	29.506
	Thread insert for tubular track	29.505

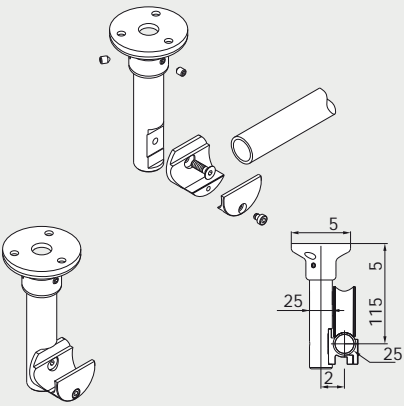
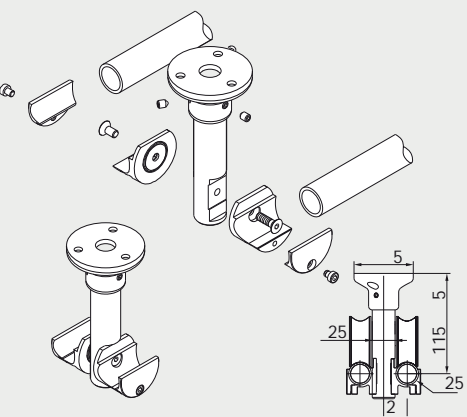
Tubular track fixing at glass	Product description	Art. No.
	<p>Clamp fixing for tubular track at glass</p> <p>single-point fixing countersunk* AISI 316L</p> <p>single-point fixing, clamping disc* AISI 316L</p> <p>16 mm extended single-point fixing countersunk* single-point fixing, clamping disc*</p> <p>* for 10, 12 and 13.5 mm glass</p>	<p>29.176</p> <p>29.185</p> <p>29.177</p> <p>29.186</p> <p>29.179</p> <p>29.180</p>

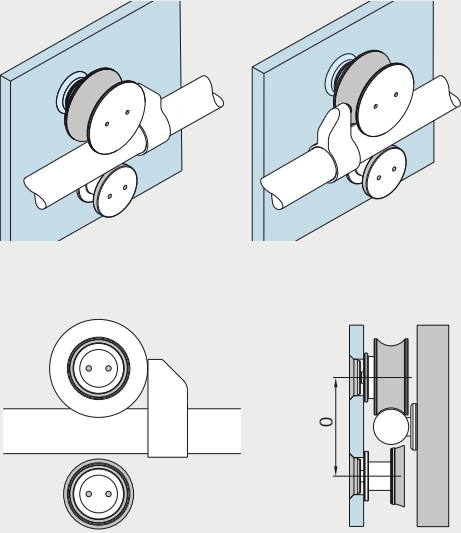
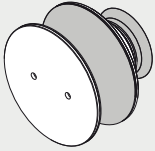
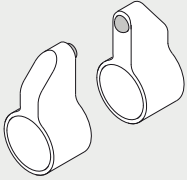
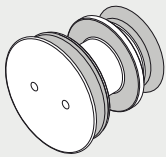
Tubular track fixing at wall	Product description	Art. No.
	<p>Clamp fixing for tubular track at wall AISI 316L</p>	<p>29.175</p> <p>29.184</p>
	<p>Clamp fixing for tubular track at wall 16 mm extended AISI 316L</p>	<p>29.178</p> <p>29.187</p>

Selection guide, tubular track fixing for timber doors

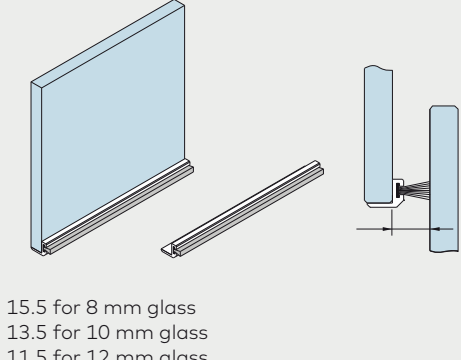
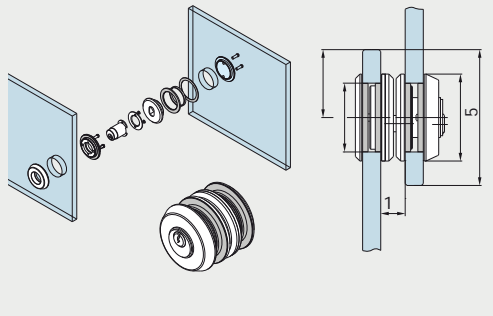
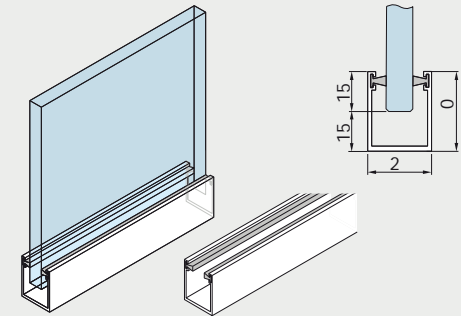
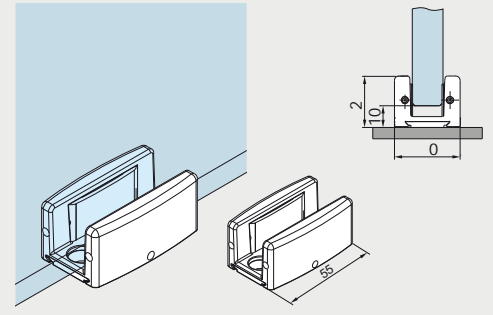
	<p>X mm</p>	<p>Z mm</p>	<p>max. door weight kg</p>	<p>to glass Clamp fixing for track</p>	<p>to wall Clamp fixing for track</p>	
				<p>Art. No.</p>	<p>Art. No.</p>	<p>Art. No.</p>
					<p>counter- sunk</p>	<p>clamping disc</p>
	<p>20-30</p>	<p>18.5</p>	<p>120</p>	<p>29.176</p>	<p>29.175</p>	<p>29.177</p>
	<p>35-40</p>	<p>35</p>	<p>100</p>	<p>29.179</p>	<p>29.178</p>	<p>29.180</p>

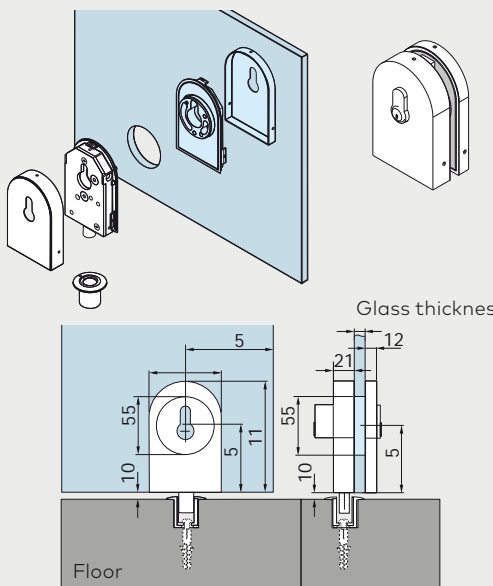
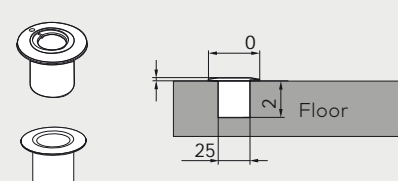
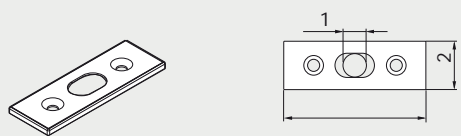
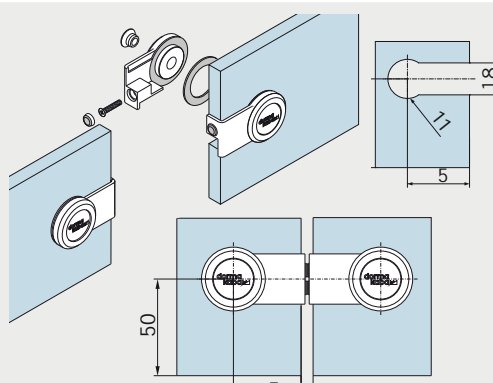
	Product description	Art. No.
	<p>Door stop</p> <p>left hand AISI 316L right hand AISI 316L</p>	<p>29.425 29.427 29.426 29.428</p>
 <p>2-dimensional adjustment via oblong hole</p>	<p>Wall fixing for tubular track / solid track AISI 316L</p>	<p>29.445 29.446</p>

Tubular track fixing at ceiling	Product description	Art. No.
	<p>Ceiling retainer for tubular track, carrying function</p>	<p>21.316</p>
	<p>Ceiling retainer double for tubular track, carrying function</p>	<p>21.317</p>

	Product description	Glass thickness	Art. No.
	Roller at glass		
	Roller at glass for glass	8 – 12 mm	29.494
	countersunk clamping disc	8 – 12 mm	29.495
	Door stop for roller at glass and at timber door panel		
	left hand and right hand usable AISI 316L		29.493
			29.483
	Anti-jump device for roller at glass		
	countersunk clamping disc	8 – 12 mm	29.497
		8 – 12 mm	29.498

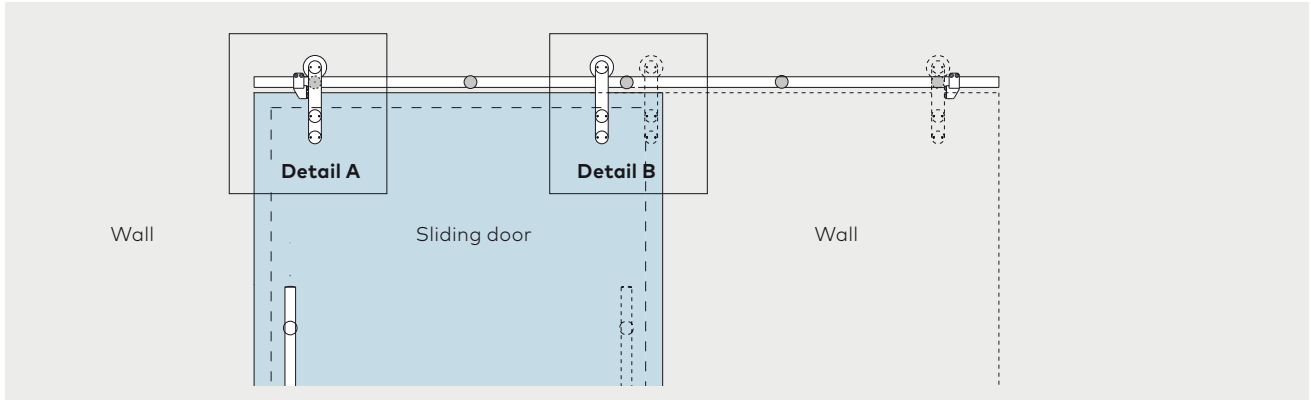
Accessories MANET Concept

	Product description	Glass thickness	Art. No.
 <p>15.5 for 8 mm glass 13.5 for 10 mm glass 11.5 for 12 mm glass</p>	<p>Aluminum brush profile similar satin stainless steel</p> <p>for gap size 14-18mm stock length 3,000 mm</p> <p>fixed length up to 6,000 mm</p> <p>for gap size 10,5-13mm stock length 3,000 mm</p> <p>fixed length up to 6,000 mm</p>		<p>07.402</p> <p>07.403</p> <p>07.400</p> <p>07.401</p>
	<p>Sliding door lock with ratchet brace for glass AISI 316L</p>	<p>8/10/12 mm</p>	<p>21.446</p>
	<p>Guide rail with brush seals applicable for glass</p> <p>Aluminum mill finished fixed length up to 6,000 mm</p> <p>stock length 3,000 mm</p>	<p>8/10/12 mm</p>	<p>21.431</p> <p>21.432</p>
	<p>Floor guide clamping disc, applicable for glass</p> <p>Aluminum 113 (similar satin stainless steel anodized)</p>	<p>8/13.5 mm</p>	<p>36.105</p>

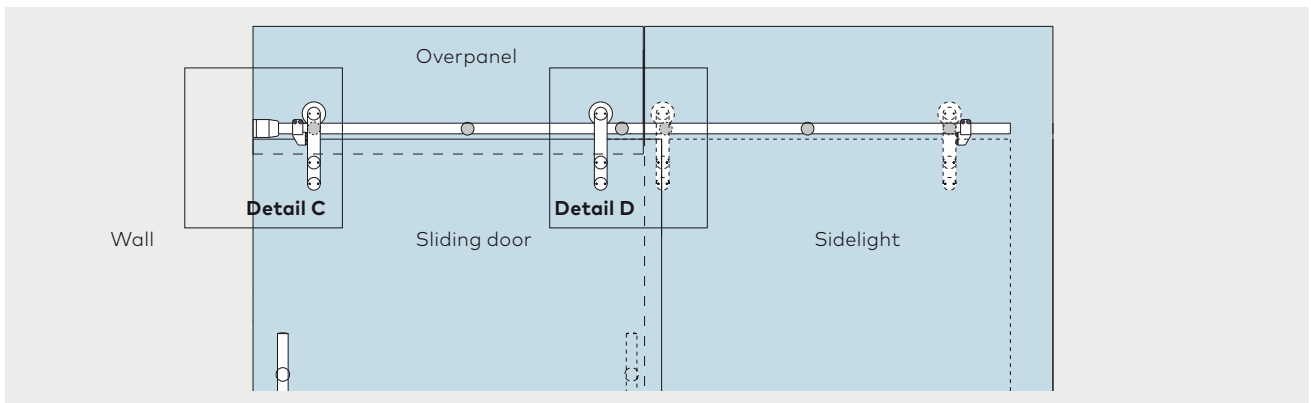
	Product description	Glass thickness	Art. No.
	<p>Corner lock for glass</p> <p>Corner lock with profile cylinder rose on the inside for glass</p> <p>Dead lock for KABA with rose on the inside for glass</p> <p>Profile cylinder for corner lock</p>	<p>8 – 12 mm</p> <p>8 – 12 mm</p> <p>8 – 12 mm</p>	<p>21.448</p> <p>21.449</p> <p>21.450</p> <p>14.206</p>
	<p>Eccentric bushing for corner lock</p> <p>Bushing, plastic</p>		<p>05.194</p> <p>00.110</p>
	<p>Strike plate</p>		<p>05.190</p>
	<p>Spacer for sliding doors that move in opposite directions</p> <p>Please order our detail sheet 29-044-B for details of glass preparations.</p>		<p>29.420</p>

Glass preparation for sliding door system

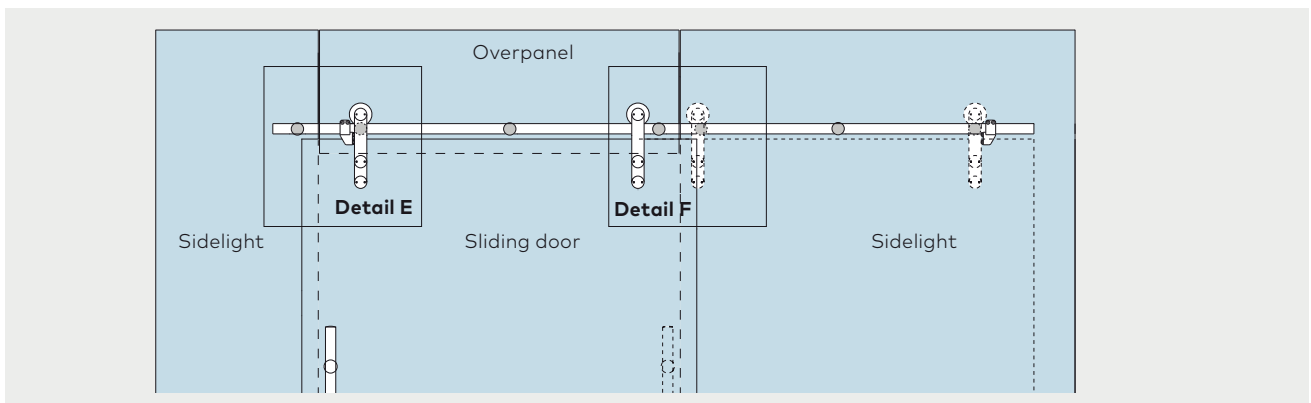
Sliding door to wall

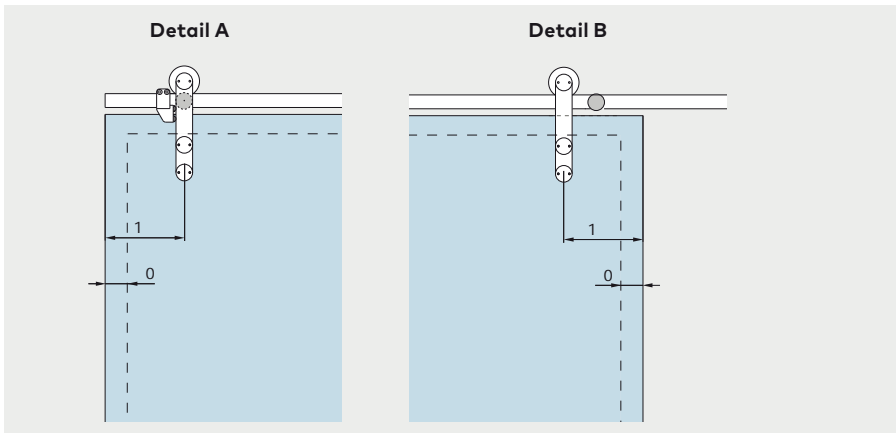


Sliding door with sidelight and overpanel

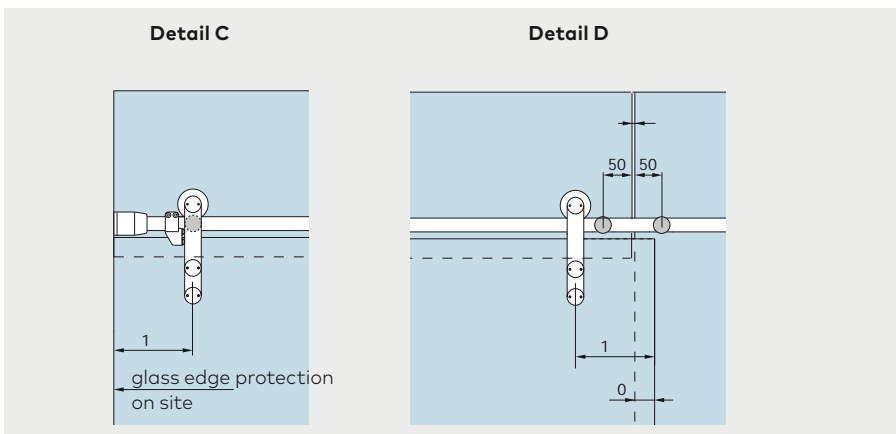
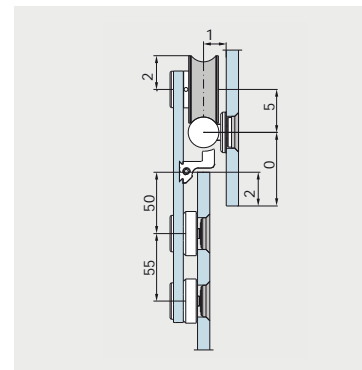


Sliding door with two sidelights and overpanel

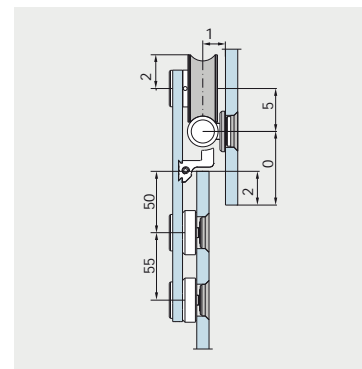




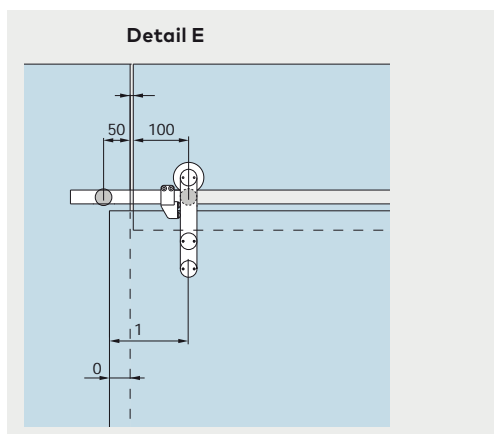
Sliding door with solid track



Sliding door with tubular track and clamp fixing



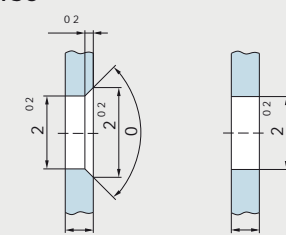
Dimensional data should be regarded exclusively as recommended values. Please remember when designing your system that the positions of the stops and point fixings must not vertically coincide. For spacing/interval recommendations when drilling the track holes, and for requisite dimensions for fixing the track rail, please refer to the table entitled "Recommended distance of the track fixing points".



Countersunk bore for countersunk single-point fixings

Cylindrical bore for clamping disc single-point fixings

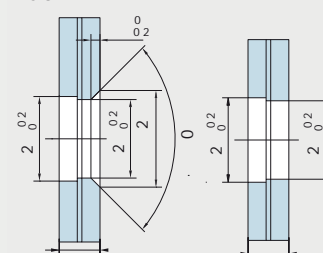
TSG



Glass thickness

Glass thickness

LSG



Glass thickness

Glass thickness

An appropriately dimensioned and torsionally stiff substructure needs to be provided for installation.

Content

MANET Concept Connection system

154	Connection system
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158	Glass preparation
178	Accessories
195	Safety-related information



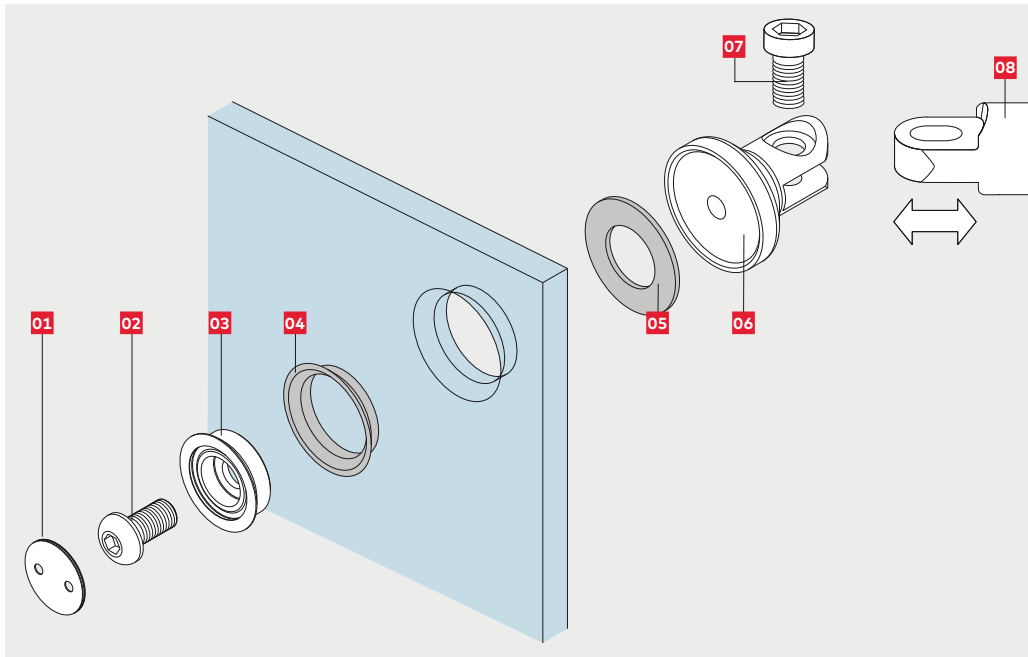
**MANET Concept
Connection system**

Connection system

The system approach is very much in evidence in the case of the interconnecting components. Elements such as clamping and angle connectors of various designs and also interconnecting fasteners of various lengths can be combined in order to attach glass of different thicknesses at any required angle to the floor, to ceilings, to walls and to plinth supports.

Single-point fixings flush with the glass are also used for this interconnection and glass-to-glass system. Tolerances are compensated by slotted holes in the interconnecting fasteners.

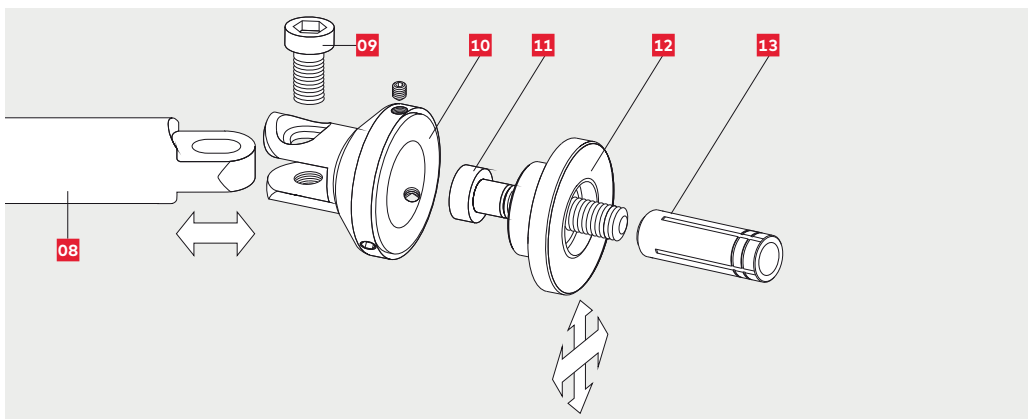
Glass fixing



Components

- 01** Clip-on cover
- 02** Connecting bolt
- 03** Conical collar
- 04** Conical sleeve
- 05** Gasket
- 06** Pivoting clamp
- 07** Connecting bolt
- 08** Connecting rod to suit length

Wall fixing



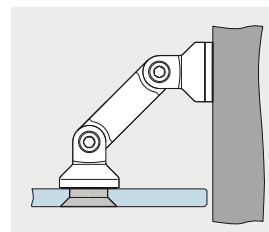
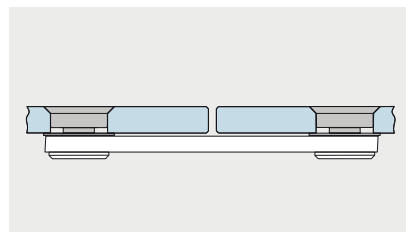
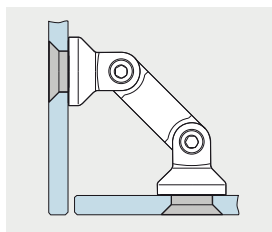
Components

- 09** Connecting bolt
- 10** Pivoting clamp
- 11** Threaded rod M8 with small head, length and type to suit wallplug
- 12** Mounting plate, 2-dimensional adjustment
- 13** Wallplug on site to suit wall construction

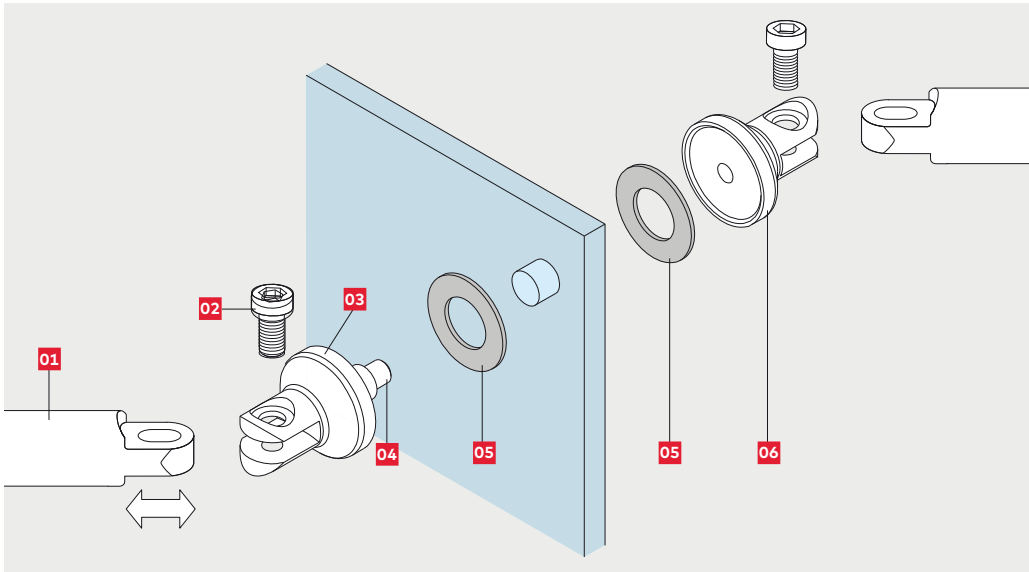
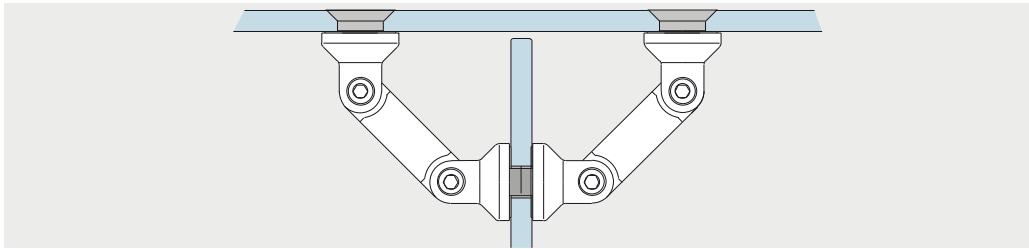
90° – 180° Glass / Glass

Glass / Glass Connector

90° – 180° Glass / Wall



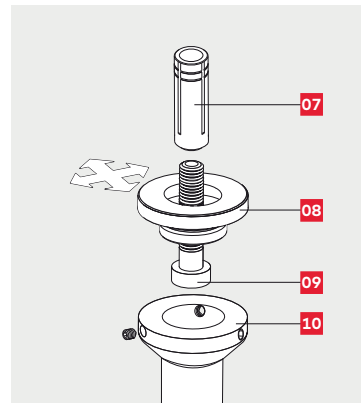
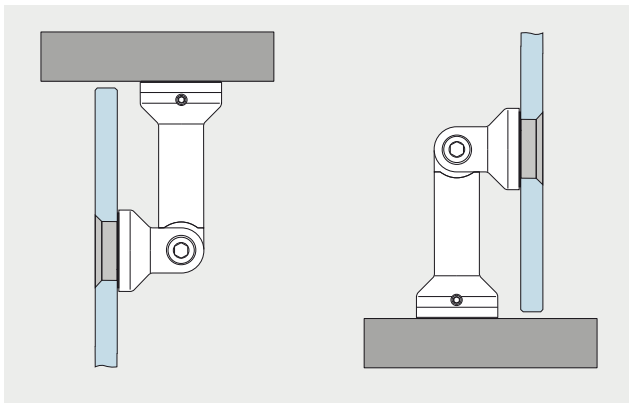
Clamp connection glass



Components

- 01** Connecting rod or steel cable
- 02** Connecting bolt
- 03** Pivoting clamp
- 04** Connecting bolt
- 05** Gasket
- 06** Pivoting clamp

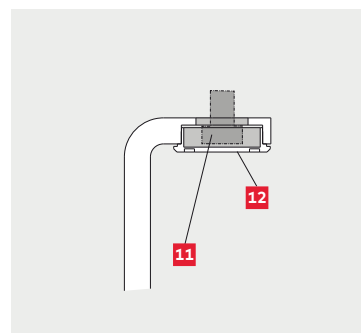
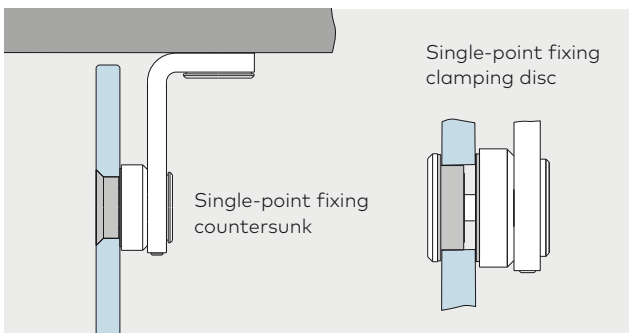
Connection ceiling / floor



Components

- 07** Wallplug on site
- 08** Mounting plate, 2-dimensional adjustable
- 09** Threaded rod M8
- 10** Column

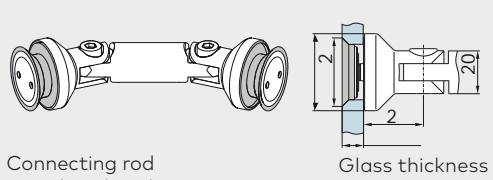
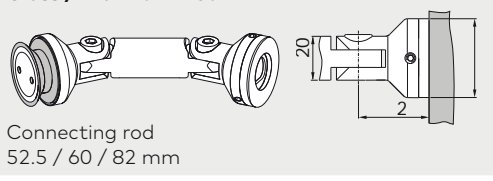
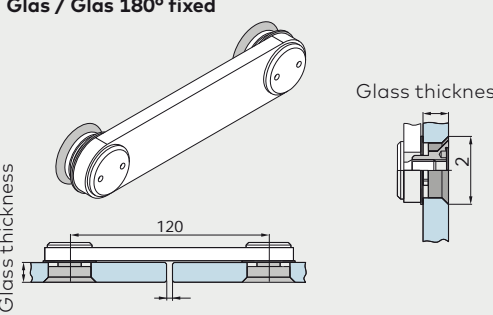
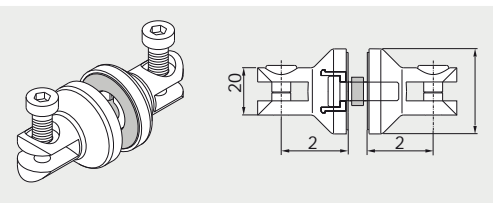
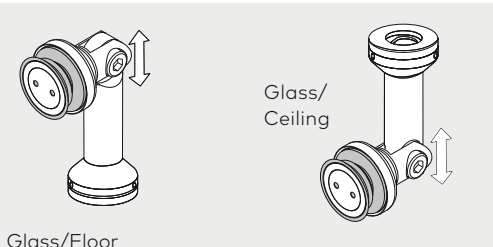
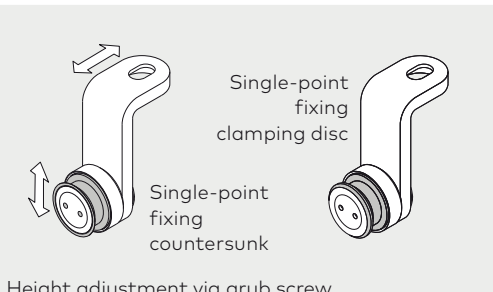
Alternative connection ceiling



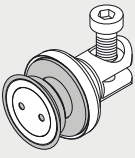
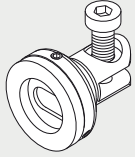
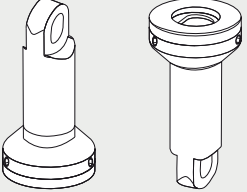
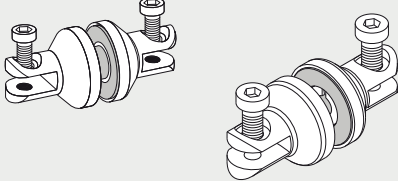
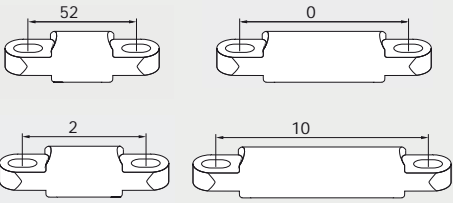
Components

- 11** Threaded rod M8 DIN 7984 M10 x..., or oval-head wood screw DIN 7996 M8 x...
- 12** Clip-on cover

Complete fitting

	Product description	Glass thickness	Art. No.
<p>Glass / Glass 90° – 180°</p>  <p>Connecting rod 52.5 / 60 / 82 / 103 mm</p> <p>Glass thickness</p>	<p>Complete fitting glass / glass</p> <p>With connecting rod 52.5 mm With connecting rod 60 mm With connecting rod 82 mm With connecting rod 103 mm</p>	8 – 12 mm	<p>29.120 29.122 29.125 29.130</p>
<p>Glass / Wall 90° – 180°</p>  <p>Connecting rod 52.5 / 60 / 82 mm</p>	<p>Complete fitting glass / wall</p> <p>With connecting rod 52.5 mm With connecting rod 60 mm With connecting rod 82 mm</p>	8 – 12 mm	<p>29.139 29.140 29.142</p>
<p>Glas / Glas 180° fixed</p>  <p>Glass thickness</p> <p>120</p> <p>Glass thickness</p>	<p>Complete fitting Connector</p> <p>AISI 303 AISI 316L</p>	8 – 12 mm	<p>29.148 29.368</p>
 <p>20</p> <p>2</p> <p>2</p>	<p>Complete fitting Clamping connector</p>	8 – 12 mm	29.149
 <p>Glass/Floor</p> <p>Glass/ Ceiling</p>	<p>Complete fitting Corner connector 90° (only bearing function)</p>	8 – 12 mm	29.145
 <p>Single-point fixing clamping disc</p> <p>Single-point fixing countersunk</p> <p>Height adjustment via grub screw</p>	<p>Complete fitting Ceiling fixing (bearing function)</p> <p>countersunk AISI 316L clamping disc AISI 316L</p>	8 – 12 mm	<p>29.337 29.339 29.338 29.340</p>

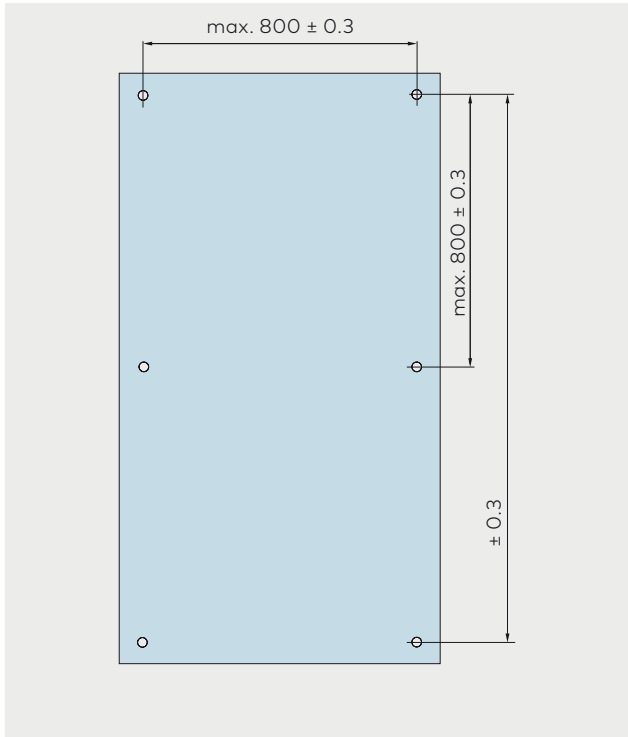
Components

	Product description	Glass thickness	Art. No.
	Pivoting glass clamp inclusive screw sets for glass	8 – 12/13.5 – 17.5 mm	
	countersunk clamping disc	17.5 – 21.5 mm	29.160 29.165
	Pivoting wall fixing		21.141
	Column Ceiling/floor fixing		21.146
	Clamping connector	8 – 12 mm	21.149
	Connecting rods Length 52.5 mm Length 60 mm Length 82 mm Length 103 mm		21.355 21.356 21.357 21.358

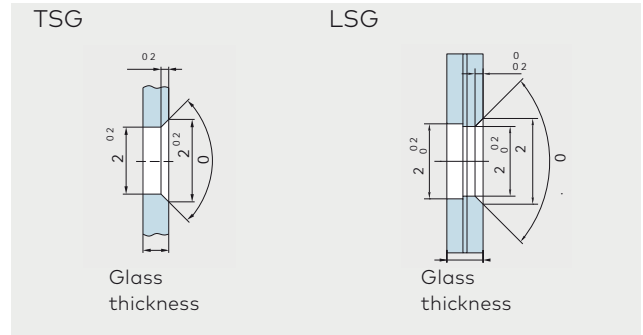
Glass preparation connection system

For TSG and LSG from TSG.

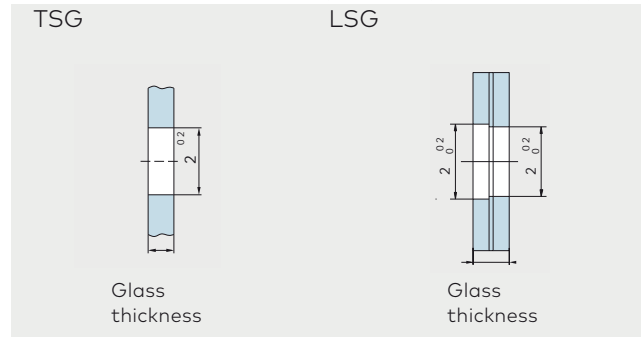
Recommended centers for fixed glazing element



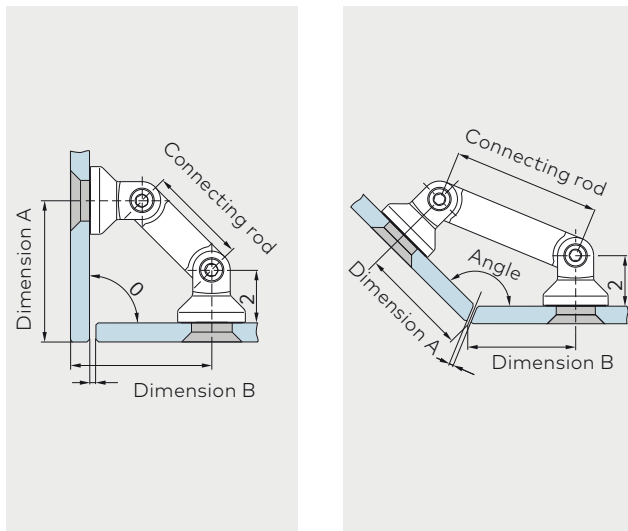
Countersunk bore for countersunk single-point fixings



Cylindrical bore for clamping disc single-point fixings



Corner connectors glass / glass 90 – 180°

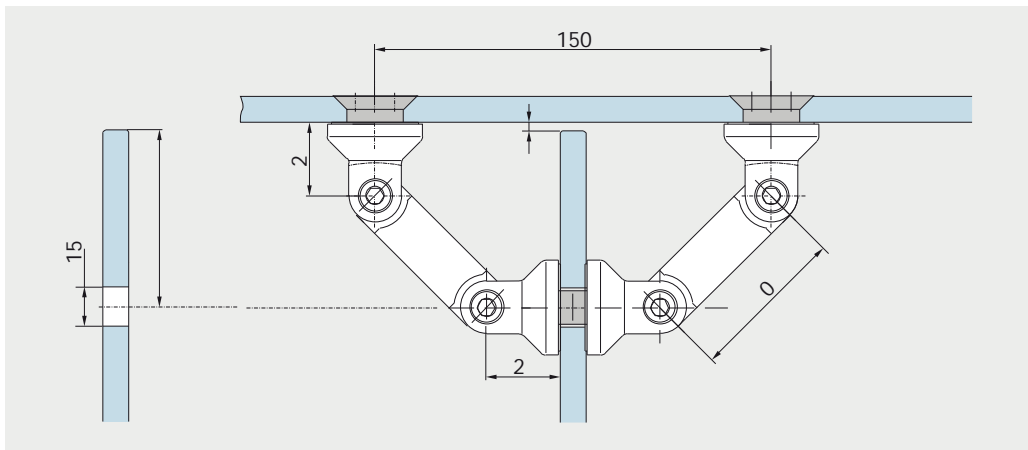


Corner connectors glass / glass (dimensions in mm)

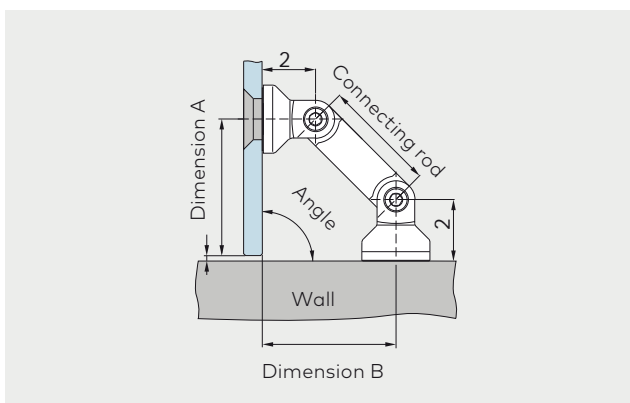
Angle	Length of connecting rod			
	52.5	60	82	103
90°	75	80	96	
95°	70	75	90	
100°	66	71	85	
105°	62	67	81	
110°	59	63	77	
115°	55	60	73	
120°	52	56	69	
125°	49	54	66	
130°	47	51	63	
135°	44	48	60	
180°				50

Dimensions for 10 mm glass thickness.
Consider variants for other glass thicknesses.

Clamping connector



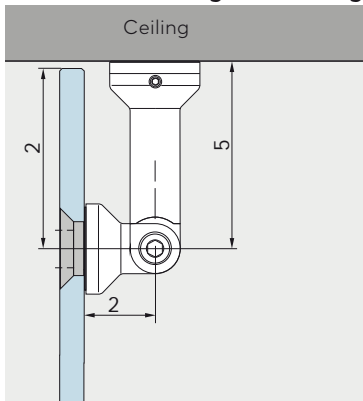
Corner connectors glass / wall 90 – 180°



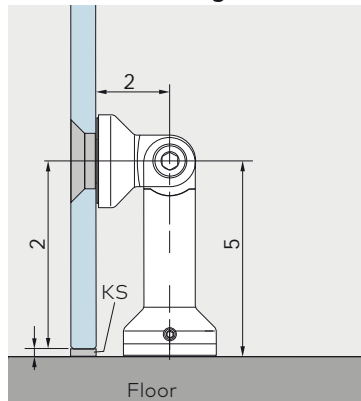
Glass / wall (dimensions in mm)

	Length of connecting rod		
	52.5	60	82
Dimensions for 10 mm glass thickness. Consider variants for other glass thicknesses.			
Angle	A/B	A/B	A/B
90°	67/65	72/70	87.5/86

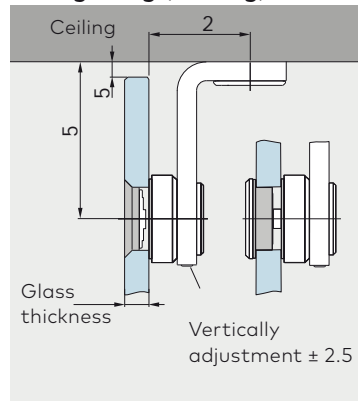
Corner connector glass / ceiling



Corner connector glass / floor



Ceiling fixing (bearing)



Note: Ensure compliance with minimum glass/bore clearances as per glass manufacturer recommendations. Glass preparation with a tolerance of max. ± 0.3 mm is recommended.

Content

MANET Concept Single-point fixings

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MANET Concept Single-point fixings

Single-point fixing serie S32/35

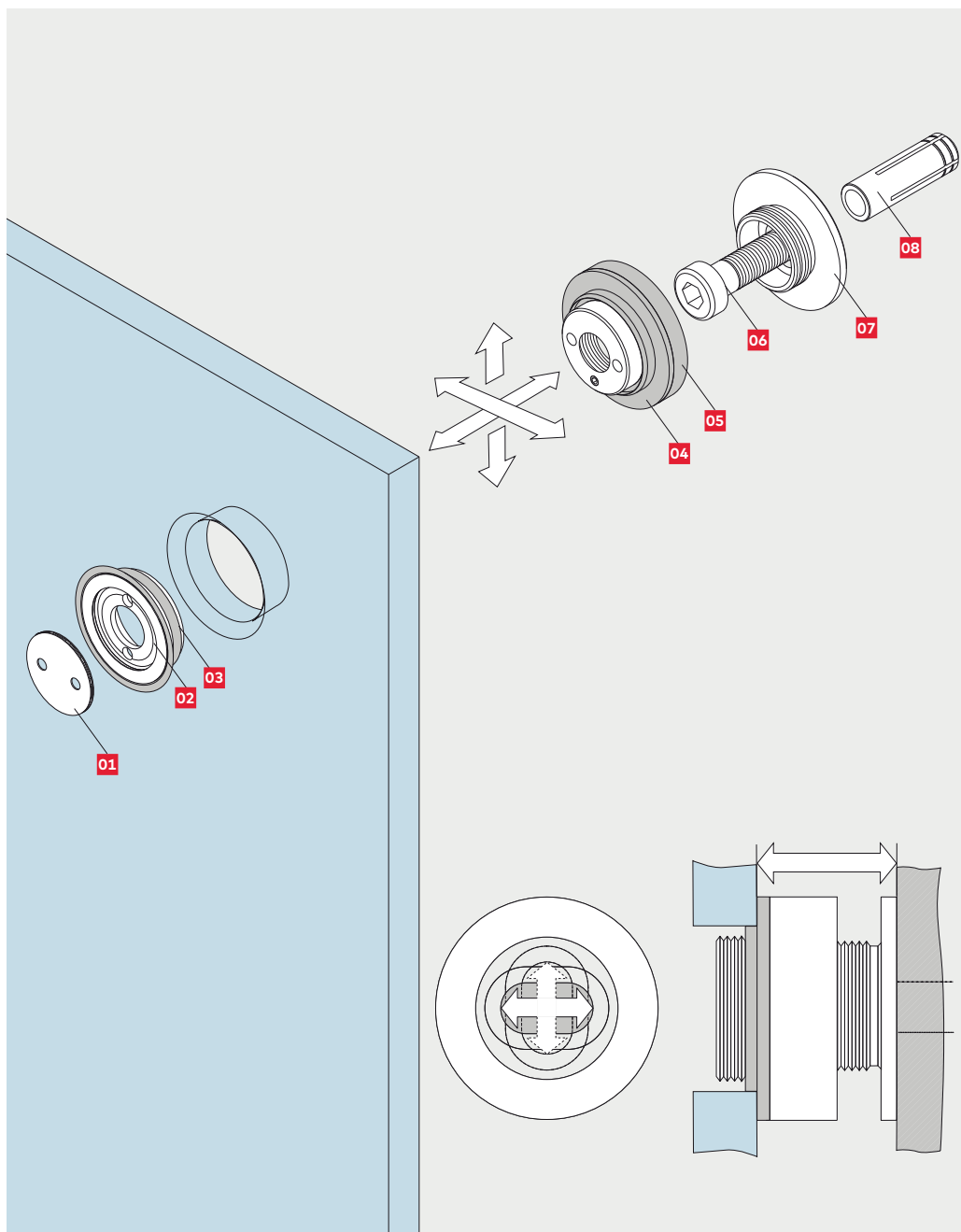


The basic component within the MANET system is the single-point fixing. Rather than cylindrical bore in the glass, this component has a tapered countersunk bore for a perfect seated fit to the glass. These give a flush finish of the single-point fixing in all applications.

The three-dimensional adjustability incorporated within the fitting ensures ideal compensation for structural and drilling tolerances. Constraint-free transmission of all the forces acting on the glass to the substructure is also ensured.

Simple installation and metric adjustment

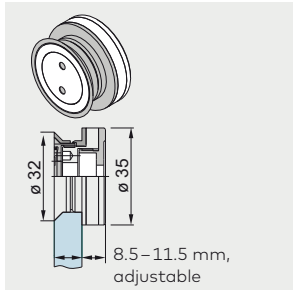
- The fixing and the gasket are wound onto the adjustment screw (7) already fitted to the wall, with the glass panel then being simply mounted over the top.
- The adjustment screw allows the position of the glass to be adjusted in 3 dimensions. An adjustment range of ± 2 mm in the vertical and lateral directions can be utilized by rotating the adjustment screw by up to 90° .
- Then it is simply a matter of aligning and securing the single-point fixing and conical sleeve. The clip-on cover (1) provides for a flush appearance.



Components

- 01** Clip-on cover
- 02** Pin internal thread
- 03** Conical sleeve
- 04** Gasket
- 05** Fixing
- 06** Threaded rod M8 with small head (e.g. DIN 6912). Length and type to suit wallplug
- 07** Adjustment screw
- 08** Wallplug on site to suit wall construction

Types



Single-point fixing, glass / wall
wall offset
8.5 – 11.5 mm,
adjustable

Countersunk
8/10 mm glass
Art. No. 29.200

12 mm glass
Art. No. 29.210

13.5 mm glass
Art. No. 29.240

15 mm glass
Art. No. 29.244

17.5 mm glass
Art. No. 29.248

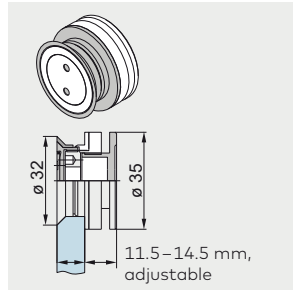
Clamping disc
8/10 mm glass
Art. No. 29.700

12 mm glass
Art. No. 29.705

13.5 mm glass
Art. No. 29.710

15 mm glass
Art. No. 29.715

17.5 mm glass
Art. No. 29.720



Single-point fixing, glass / wall
wall offset
11.5 – 14.5 mm,
adjustable

Countersunk
8/10 mm glass
Art. No. 29.201

12 mm glass
Art. No. 29.211

13.5 mm glass
Art. No. 29.241

15 mm glass
Art. No. 29.245

17.5 mm glass
Art. No. 29.249

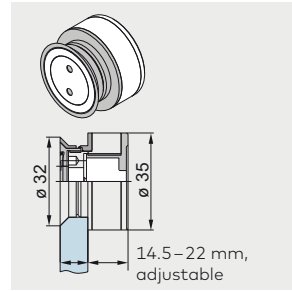
Clamping disc
8/10 mm glass
Art. No. 29.701

12 mm glass
Art. No. 29.706

13.5 mm glass
Art. No. 29.711

15 mm glass
Art. No. 29.716

17.5 mm glass
Art. No. 29.721



Single-point fixing, glass / wall
wall offset
14.5 – 22 mm,
adjustable

Countersunk
8/10 mm glass
Art. No. 29.202

12 mm glass
Art. No. 29.212

13.5 mm glass
Art. No. 29.242

15 mm glass
Art. No. 29.246

17.5 mm glass
Art. No. 29.250

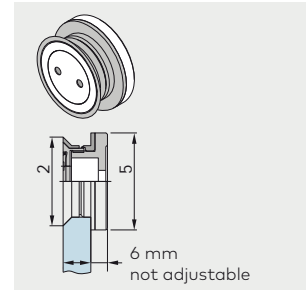
Clamping disc
8/10 mm glass
Art. No. 29.702

12 mm glass
Art. No. 29.707

13.5 mm glass
Art. No. 29.712

15 mm glass
Art. No. 29.717

17.5 mm glass
Art. No. 29.722



Single-point fixing, glass / wall
fixed wall offset
6 mm,
not adjustable

Countersunk
8/10 mm glass
Art. No. 29.205

12 mm glass
Art. No. 29.215

13.5 mm glass
Art. No. 29.243

15 mm glass
Art. No. 29.247

17.5 mm glass
Art. No. 29.251

Clamping disc
8/10 mm glass
Art. No. 29.730

12 mm glass
Art. No. 29.731

13.5 mm glass
Art. No. 29.732

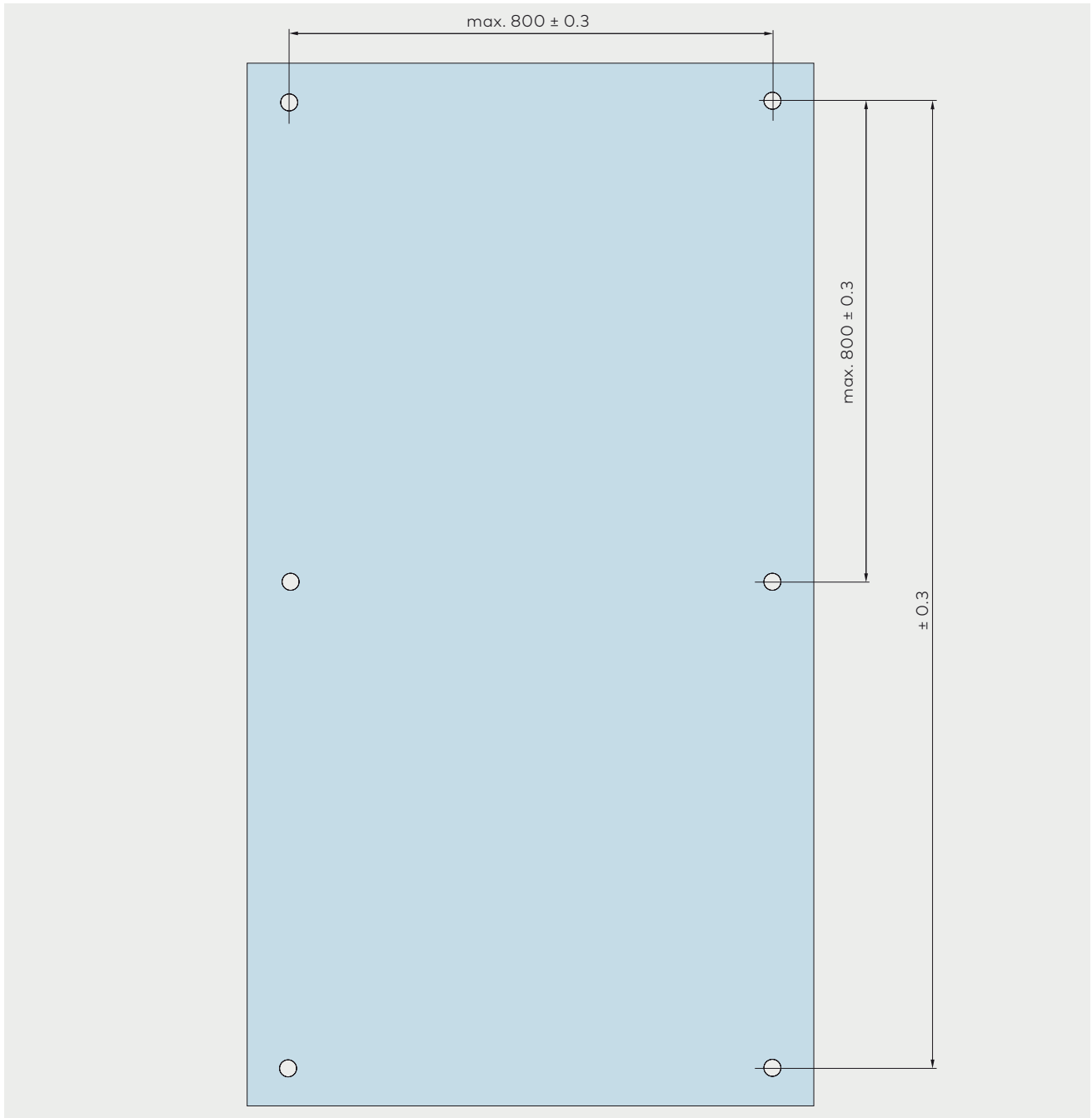
15 mm glass
Art. No. 29.733

17.5 mm glass
Art. No. 29.734

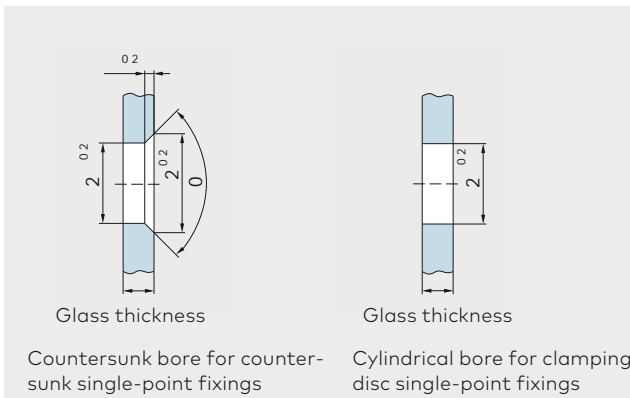
Stainless steel quality AISI 316L on request.

Glass preparation connection system

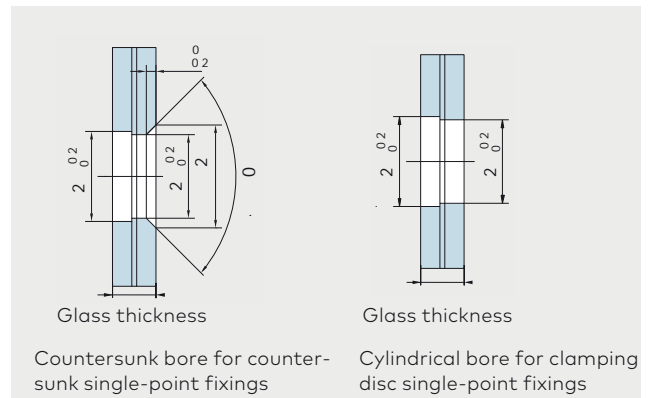
For TSG and LSG from TSG. Recommended centers for fixed glazing element



TSG



LSG



Content

RSP 80

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RSP 80

A safe connection



Minimal gap dimensions

Design specifications automatically ensure very small gap dimensions between glass and wall.

Sophisticated track roller assembly – secure hold

The RSP 80 is able to satisfy a wide range of customer requirements up to the highest level: its two visible and maintenance-free roller carriers are rated to support glass panels of up to 80 kg in weight. A total of 4 glass drillholes with diameters of 26 mm serve to locate the glass fixings. The proven track roller engineering ensures particularly smooth and quiet operation. In terms of running ease, the RSP 80 satisfies the criteria of Class 3 according to EN 1527 – that means that a maximum of 30N of the door mass has to be overcome as initial friction in order to set the door in motion.

Exact stopping

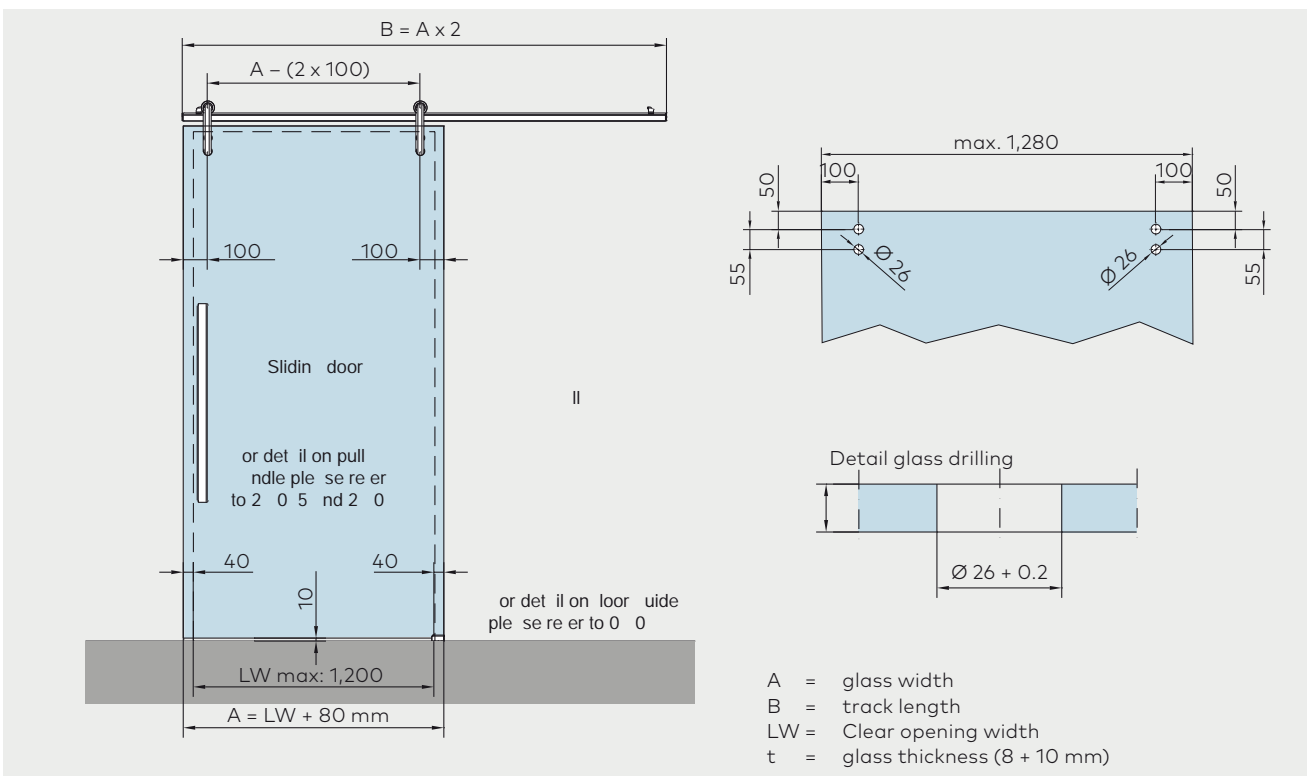
The exact endposition of the door both in the opening and the closing direction is variable thanks to the selectable position of the end stops.

Elegant floor guidance

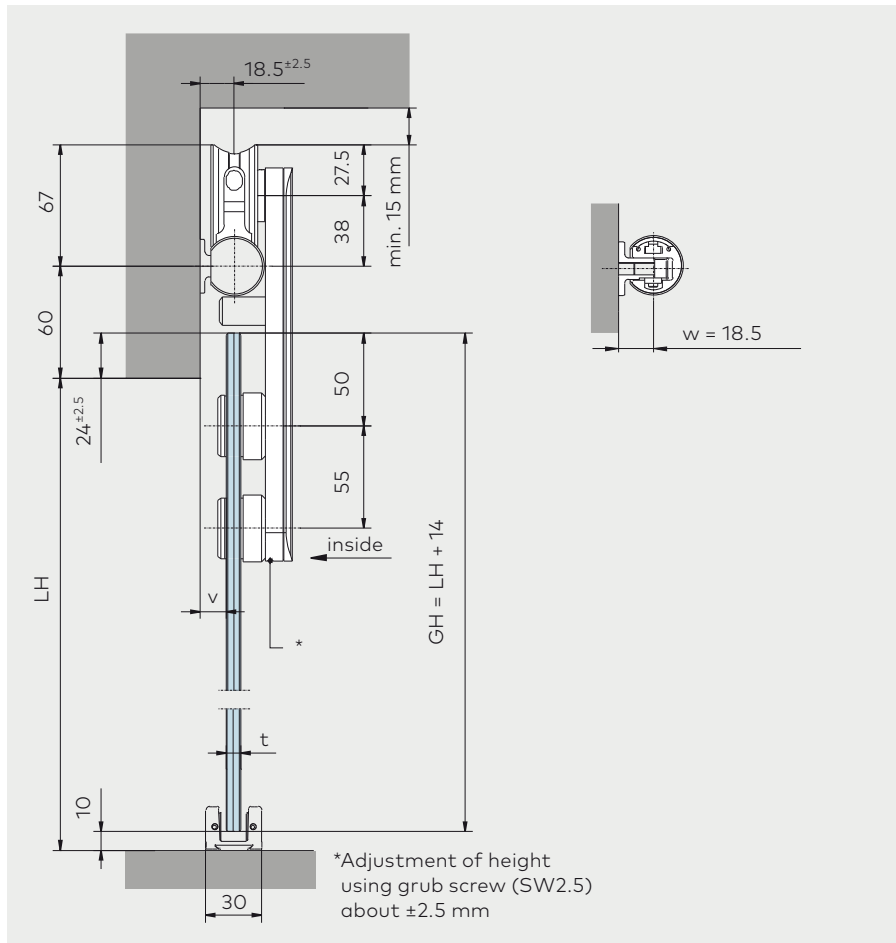
The AGILE floor track offers an impressive combination of effective functionality and attractive design. Its two-part construction means it is very easy to install, and its infinite adjustability between 8 and 13.5 mm ensures safe and secure guidance of the glass panels.

Impressive durability

Very long service lifetimes have been proven in protracted tests consisting of over 50,000 motion cycles (to EN 1527). And the RSP 80 range also offers the highest level of corrosion resistance, making these fittings more than suitable for employment in humid rooms (not for sauna, baths or brine bath applications).



Glass applications



GH = Glass height
 LH = Clear opening height
 t = Glass thickness
 v = Gap between door panel
 and wall

t	v
8 mm	14.5 mm
10 mm	12.5 mm

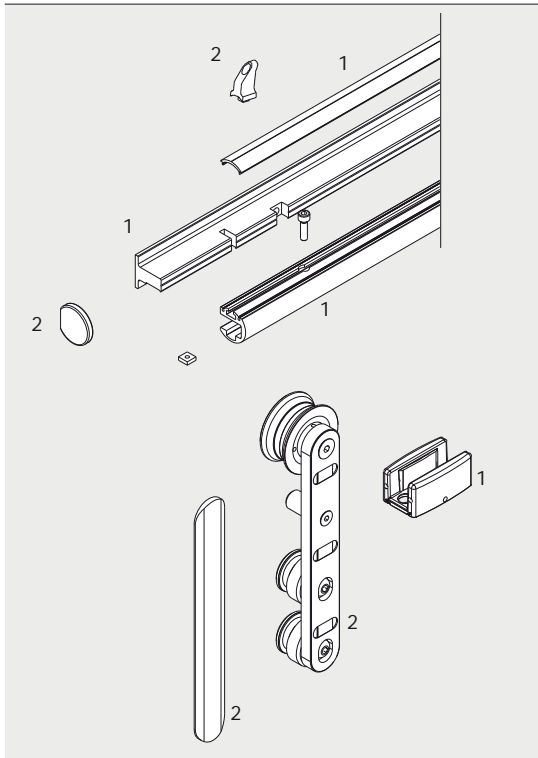
Note:

The track rails in wood variety 30.713 can be used for rebated frame and / or frame tile (or similar) available on site: V + 12 mm.

Set and components for glass applications

Product description

Art. No.



Set

RSP 80 sliding door set for 10 mm glass

consisting of track profile (2,000 mm) for max. panel width 1,080 mm, roller, stopper and floor guide, material: aluminum EV1-Deco
 Weight in kg: 5.6

30.700

Components for glass applications

Roller carrier, stop and floor guide

30.701

RSP 80 track profile for mounting to wall

stock length 6,000 mm

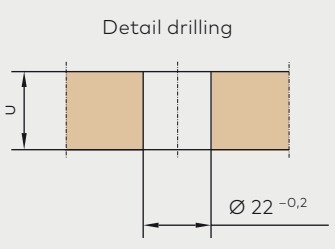
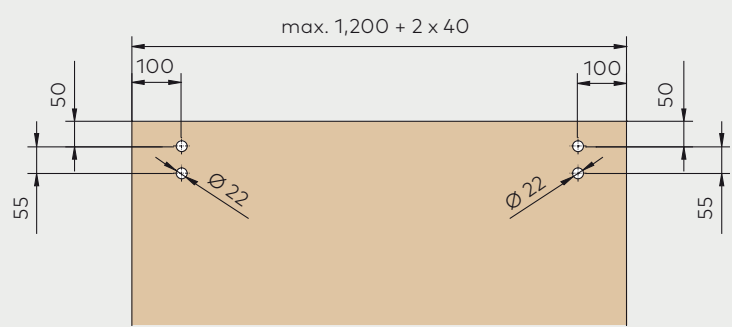
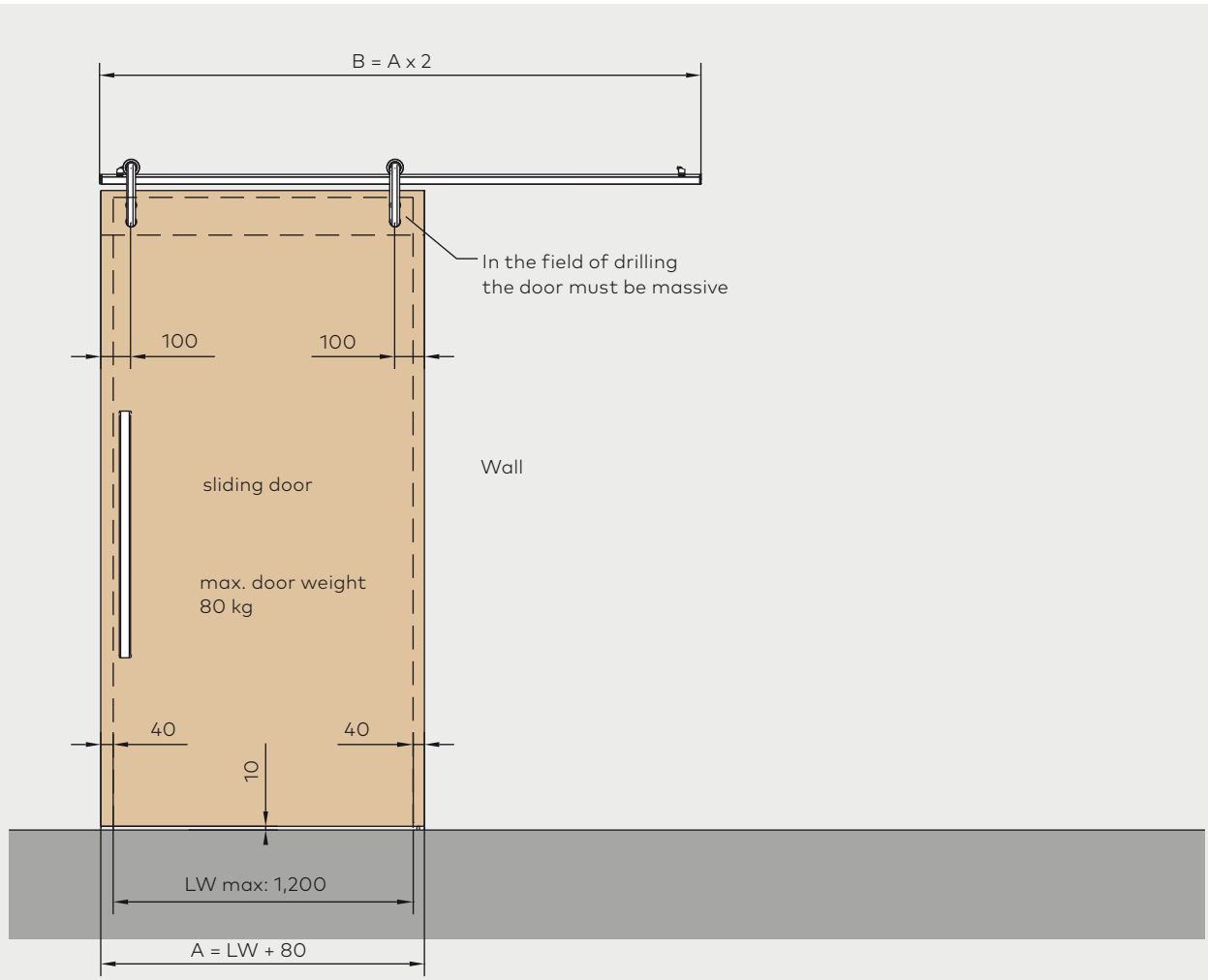
30.705

RSP 80 track profile for mounting to wall

in fixed length (should not go below min. door width 800 mm / track profile 1,600 mm)

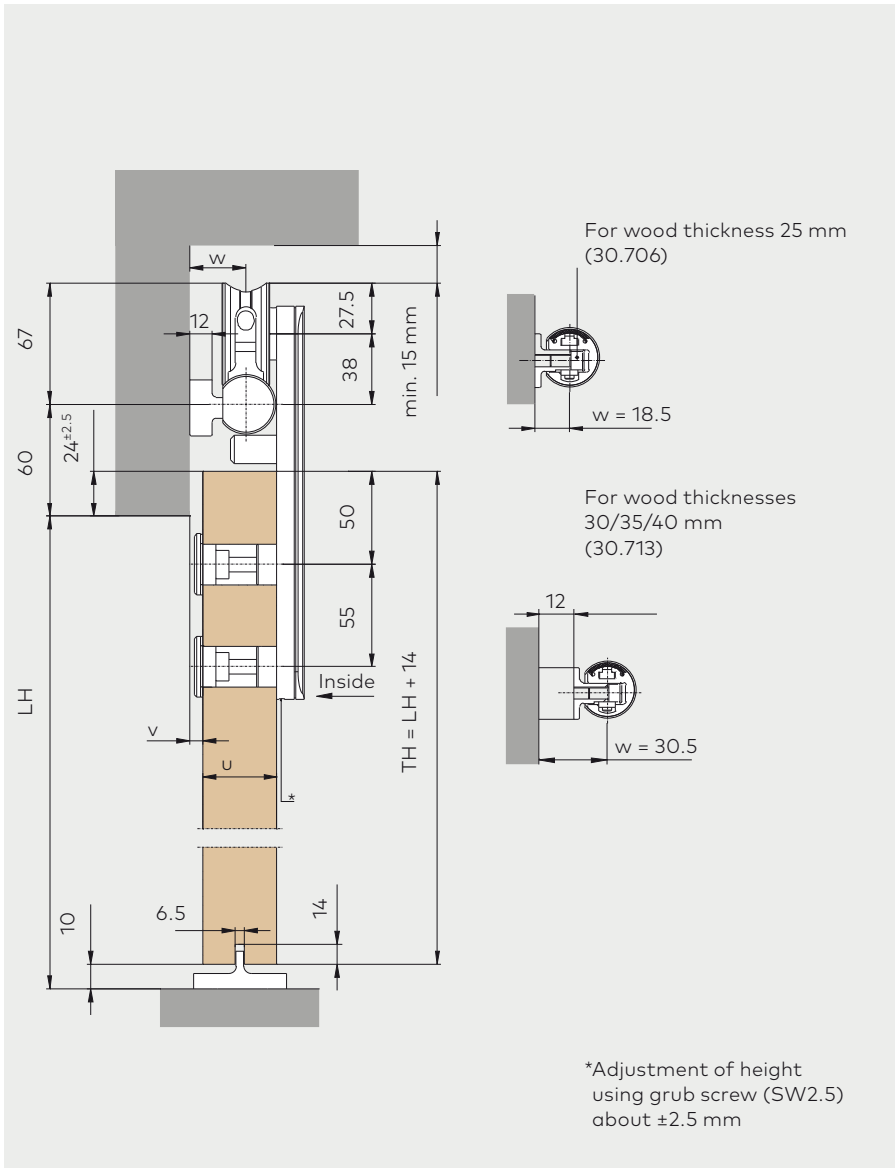
30.706

Timber applications



The side overhang of the sliding door should be 40 mm

- A = timber door width
- B = track length
- LW = clear opening width
- u = wood thickness (25–40 mm)



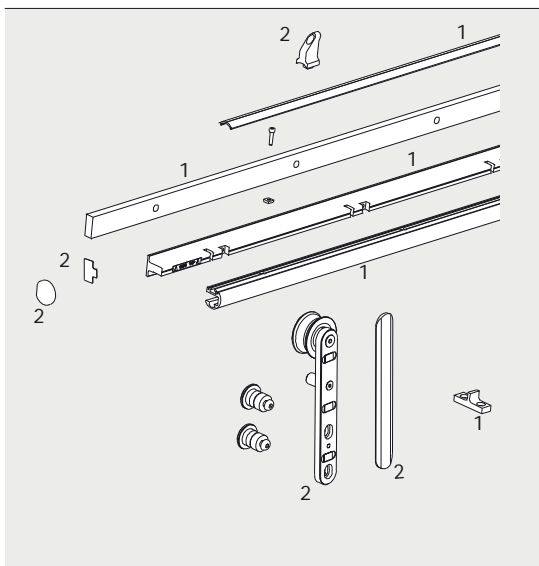
TH = Door height
 LH = Clear opening height
 u = Wood thickness
 (25 – 40 mm)
 v = Gap between door panel
 and wall

u	v	w
25 mm	10.3 mm	18.5 mm
30 mm	17.3 mm	30.5 mm
35 mm	12.3 mm	30.5 mm
40 mm	7.3 mm	30.5 mm

Set and components for timber applications

Product description

Art. No.



Set
RSP 80 sliding door set for timber applications (25–40 mm)

30.707

consisting of track profile for max. panel width 1,080 mm, roller, stopper and floor guide, material: aluminum EV1-Deco
 Weight in kg: 5.6

Components
Roller carrier, stop and floor guide for timber applications

30.708

RSP 80 track profile for mounting to wall (timber applications)

stock length 6,000 mm
 fixed length (should not go below min. door width 800 mm)

30.712
30.713

Content

Wall connection profile

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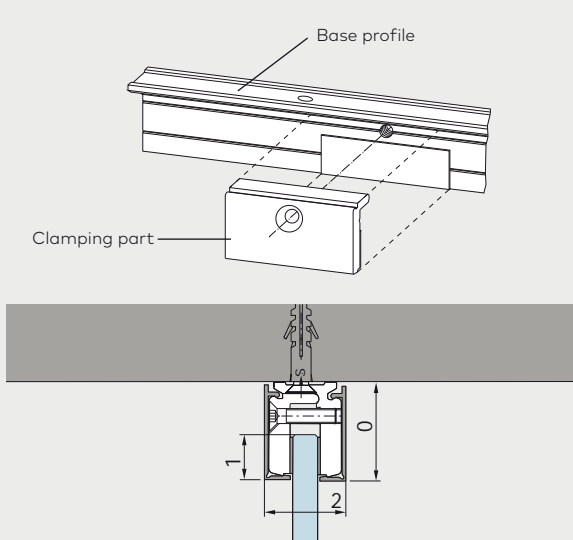
**Wall connection
profile**

Wall connection profiles

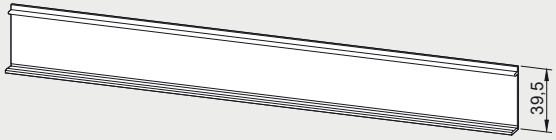
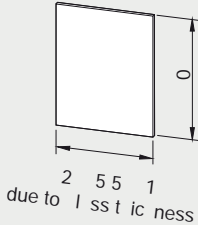
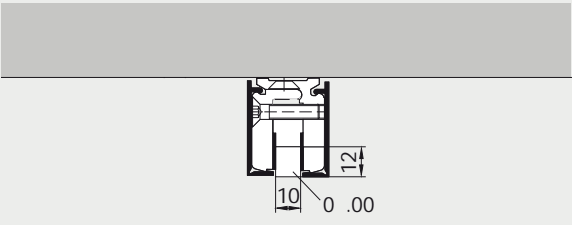
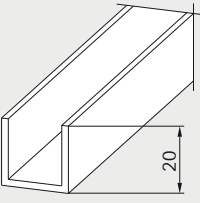
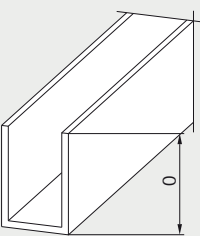
Consisting of: base profile, with bore holes (every 300 mm), incl. clamping parts with screws and gasket strips.

Application:

e. g. all around frame system for toughened glass assemblies, with fittings on sides and ceiling. The safety type prevents free hanging glass elements from falling down, by fixing the clamping fitting through glass holes. 15 kg load for each clamping part, torque for fixing screws 15 Nm (M 6 = Allan key size 4).

	Product description	Glass thickness	Art. No.
	Base profile 6,000 mm Stock length	8 mm 10 mm 12 mm 12.7 mm 13.5 mm 15 mm 17 mm 19 mm	07.042 07.001 07.002 07.045 07.046 07.047 07.048 07.049
	Fixed length	8 mm 10 mm 12 mm 12.7 mm 13.5 mm 15 mm 17 mm 19 mm	07.050 07.051 07.052 07.055 07.056 07.057 07.058 07.059
	Clamping part (addition/replacement) 60 mm long, with screws and gasket strips	8 mm 10 mm 12 mm 12.7 mm 13.5 mm 15 mm 17 mm 19 mm	07.043 07.004 07.005 07.085 07.086 07.087 07.088 07.089

Safety type	Product description	Glass thickness	Art. No.	
<div data-bbox="327 448 630 750"> <p>Base profile as safety type</p> <p>Clamping part for safety type</p> </div> <div data-bbox="167 779 742 1019"> </div> <div data-bbox="167 1052 694 1265"> </div> <div data-bbox="167 1276 470 1310"> <p>*If glass and profile are aligned.</p> </div> <div data-bbox="167 1400 742 1579"> <p>Reference</p> </div>	<p>Base profile as safety type 6,000 mm Stock length</p> <p>Fixed length</p> <p>Weight in kg/m: Aluminum 1.200</p> <p>Clamping part (addition/replacement) for Safety type 60 mm long, with screws and gasket strips</p>	<p>8 mm 10 mm</p> <p>8 mm 10 mm</p> <p>8 mm 10 mm</p>	<p>07.060 07.061</p> <p>07.066 07.067</p> <p>07.063 07.064</p>	

	Product description	Glass thickness	Art. No.
	<p>Clip on cover profile brass, stainless steel, satin and stainless steel polished door available</p> <p>Weight in kg/m: Aluminum 0.216 Stainless steel 0.366</p> <p>6,000 mm stock length fixed length</p>		<p>07.003 07.053</p>
	<p>End cap</p> <p>Weight in kg/pc: Aluminum 0.003 Brass 0.090 Stainless steel 0.090</p> <p>Aluminum 0.003 Brass 0.010 Stainless steel 0.010</p> <p>Aluminum 0.003 Brass 0.011 Stainless steel 0.012</p>	<p>8 mm and 10 mm</p> <p>12-13.5 mm</p> <p>15-19 mm</p>	<p>07.007</p> <p>07.044</p> <p>07.065</p>
	<p>Filler block, 10 x 12 mm</p> <p>6,000 mm stock length fixed length</p> <p>Weight in kg/m: Aluminum 0.325</p>		<p>07.006 07.054</p>
	<p>U-profile 20 x 20 x 20 x 2 mm</p> <p>6,000 mm stock length fixed length</p> <p>Weight in kg/m: Aluminum 0.304</p>		<p>07.092 07.093</p>
	<p>U-profile 30 x 20 x 30 x 2 mm</p> <p>6,000 mm stock length fixed length</p> <p>Weight in kg/m: Aluminum 0,304</p>		<p>07.097 07.096</p>

Space for your notes

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recessed pull grips and brush seals**
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Accessories

Pull handles, door knobs and recessed pull grip

The pull handle/knob system is designed for glass of 8, 10 and 12 mm thickness.

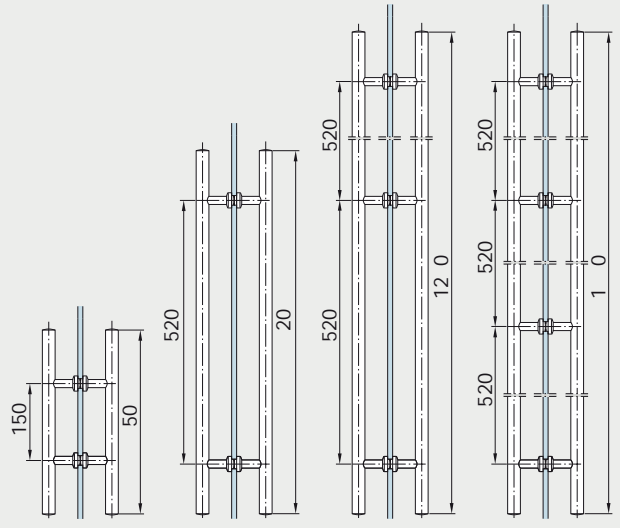
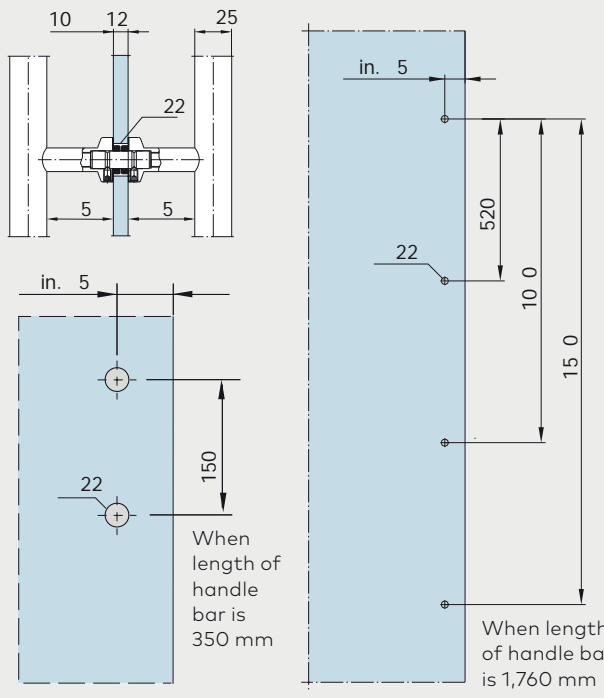
The pull handles can be fixed to both sliding and pivoting (swing) doors on one face using the appropriate connectors or on both faces by through-bolting (back-to-back arrangement).

Due to a flat structure recessed pull grips are also suitable for sliding doors.

The single-point fixings and through bolts are included as standard equipment in the scope of supply.


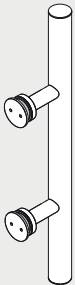
The pull handles can be fitted horizontally, vertically or in a handrail arrangement.

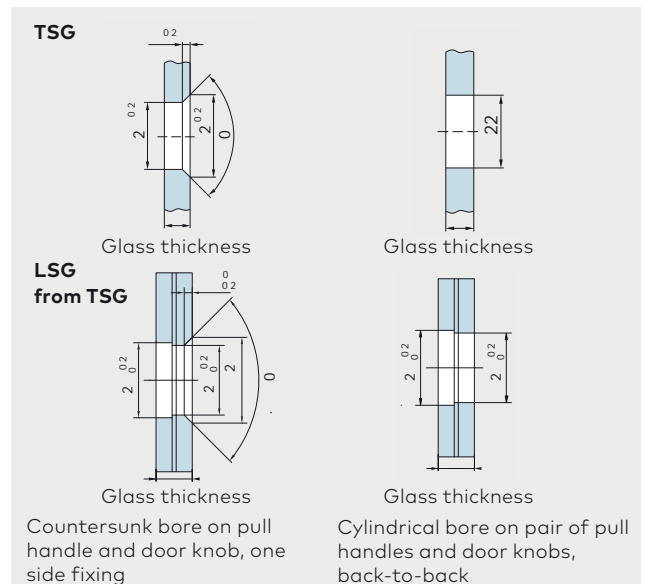
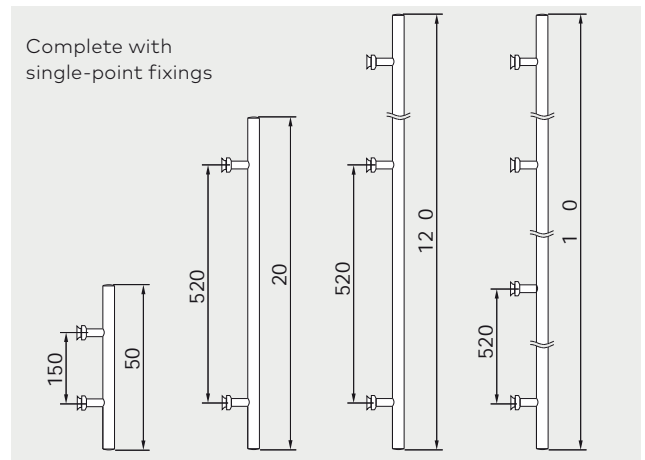
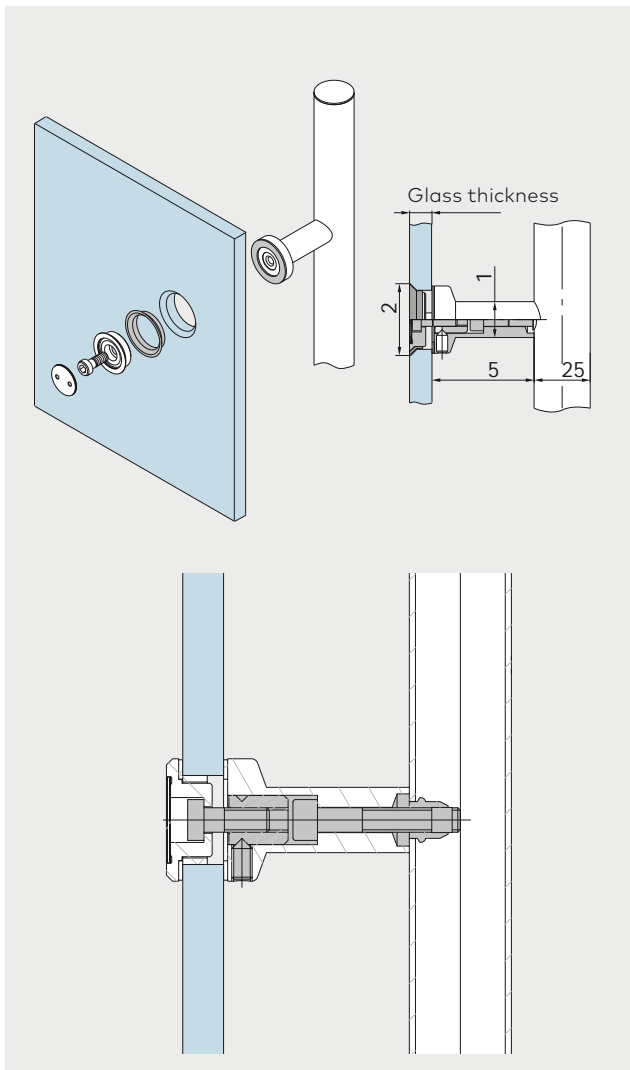


	Product description	Glass thickness	Art. No.
	<p>Pair of handle bars satin stainless steel length 350 mm, 2 fixing points, weight in kg: 1.254 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.267* 21.247
	<p>Pair of handle bars aluminum length 350 mm, 2 fixing points, weight in kg: aluminum 1.326</p>	8/10/12 mm	03.400
	<p>Pair of handle bars satin stainless steel length 720 mm, 2 fixing points, weight in kg: 1.947 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.270* 21.250
	<p>Pair of handle bars aluminum length 720 mm, 2 fixing points, weight in kg: aluminum 2.423</p>	8/10/12 mm	03.402
	<p>Pair of handle bars satin stainless steel length 1,240 mm, 3 fixing points, weight in kg: 3.400 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.273* 21.253
	<p>Pair of handle bars satin stainless steel length 1,760 mm, 4 fixing points, weight in kg: 5.000 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.276* 21.256

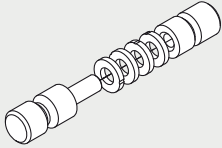
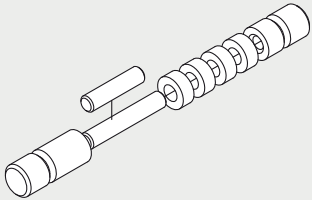
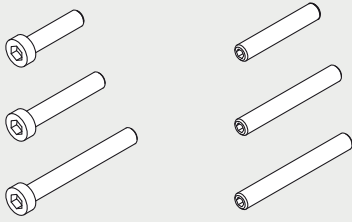
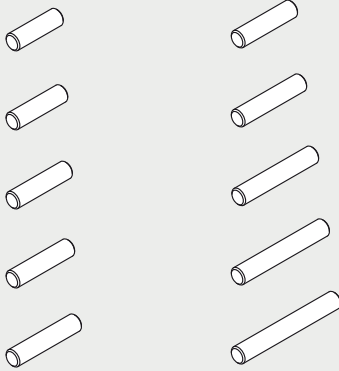
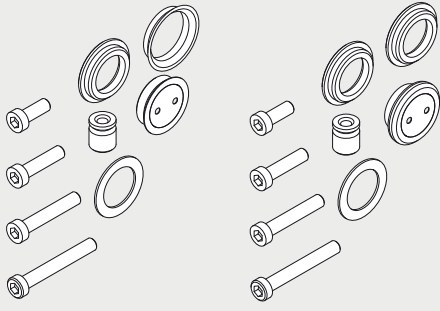
* Conversion sets for back to back pull handles for timber doors resp. other glass thicknesses see unter "Spacing adjustment for pull handles and door knobs", page 183.

Pull handles single

	Product description	Glass thickness	Art. No.	
	Pull handles with single-point fixings, countersunk Edelstahl Pull handle 350 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 720 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 1,240 mm with 3 fixings, material 1.4305 do., AISI 316L Pull handle 1,760 mm with 4 fixings, material 1.4305 do., AISI 316L	8/10/12 mm	29.268 29.269 29.271 29.272 29.274 29.275 29.277 29.278	
		Pull handles with single-point fixings, clamping disc Pull handle 350 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 720 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 1,240 mm with 3 fixings, material 1.4305 do., AISI 316L Pull handle 1,760 mm with 4 fixings, material 1.4305 do., AISI 316L	8/10/12 mm	21.240 21.241 21.281 21.242 21.243 21.283

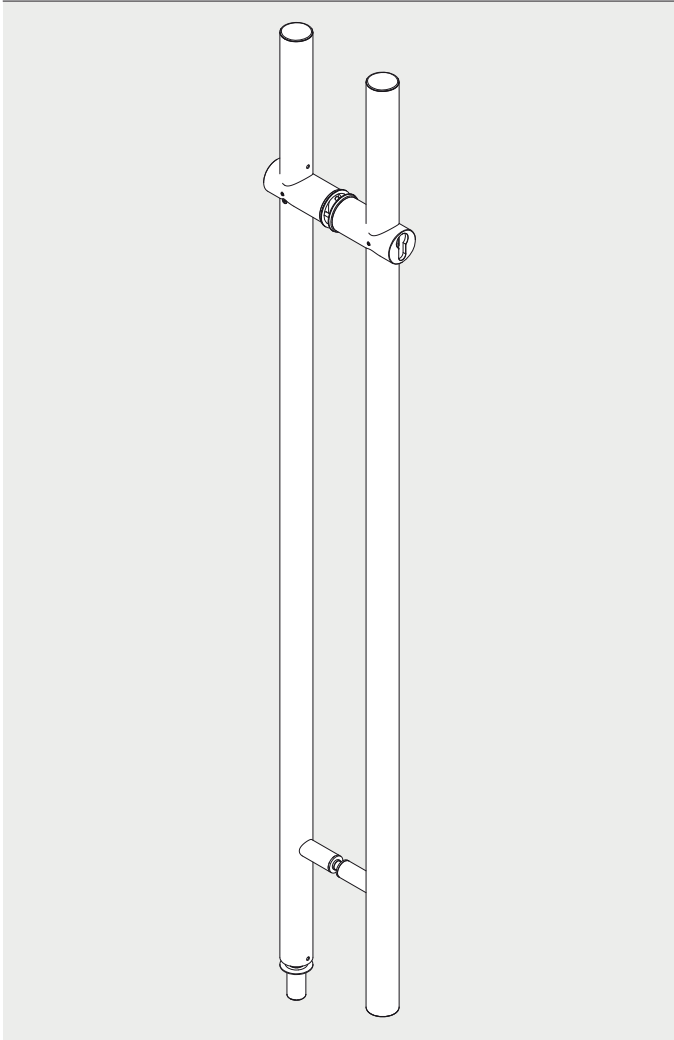


Spacing adjustment for pull handles and door knobs

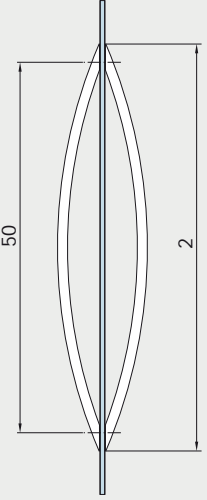
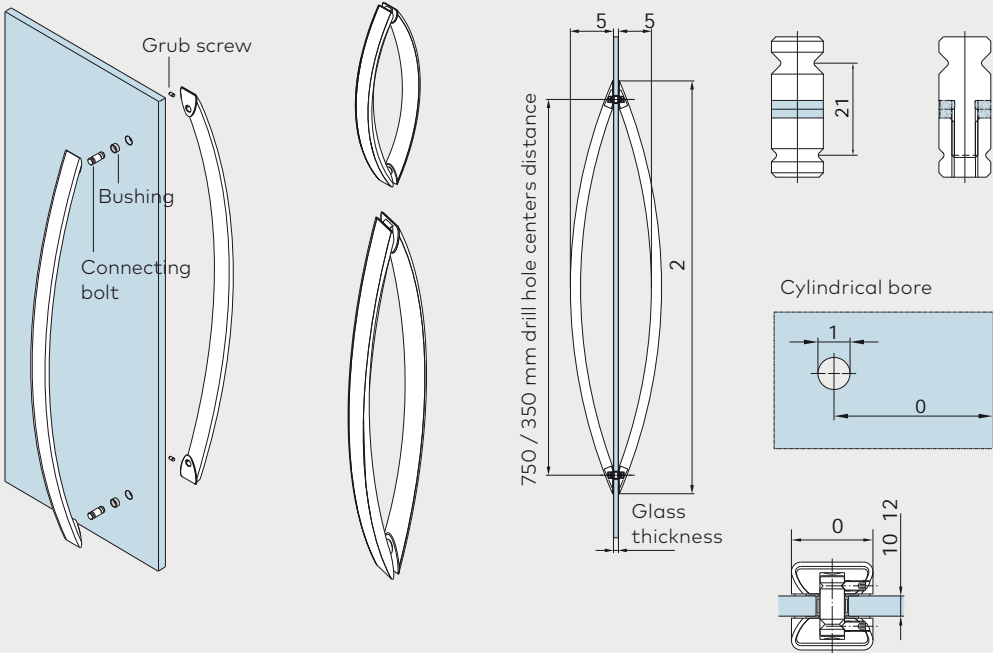
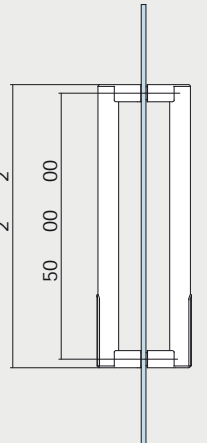
	Product description	Door thickness	Art. No.
 <p>Distance washer 2 mm</p>	<p>Conversion set 1 for glass doors, pair of pull handles / knob back-to-back</p> <p>without distance washer with 1 distance washer with 2 distance washers with 3 distance washers with 4 distance washers</p>	<p>13.5 – 21.5 mm</p> <p>13.5 mm 15 mm 17.5 mm 19 mm 21.5 mm</p>	<p>21.285</p>
 <p>Distance washer 5 mm</p>	<p>Conversion set 2 for timber doors, pair of pull handles / knob back-to-back</p> <p>without distance washer with 1 distance washer with 2 distance washers with 3 distance washers with 4 distance washers</p>	<p>20 – 40 mm</p> <p>20 mm 25 mm 30 mm 35 mm 40 mm</p>	<p>21.286</p>
 <p>Set 3 Set 4</p>	<p>Conversion set 3 for glass / timber doors* pair of pull handles / knob back-to-back, countersunk 15 - 40 mm glass / timber thickness</p> <p>Conversion set 4 for glass / timber doors*, pair of pull handles / knob back-to-back, clamping disc 15 - 40 mm glass / timber thickness</p>		<p>21.287</p> <p>21.288</p>
 <p>Set 5 Set 6</p>	<p>Conversion set 5 for glass doors*, recessed pull grip 13.5 - 21.5 mm glass thickness</p> <p>Conversion set 6 for timber doors*, recessed pull grip 20 - 40 mm timber thickness</p>		<p>21.295</p> <p>21.296</p>
 <p>Set 7 Set 8</p>	<p>Conversion set 7 for glass / timber doors*, for pull handles fixed on both sides to pull handle fixed on one side, countersunk 8 - 40 mm glass / timber thickness 1 set per pull handle fixing</p> <p>Conversion set 8 for glass / timber doors*, for pull handles fixed on both sides to pull handle fixed on one side, clamping disc 8 - 40 mm glass / timber thickness 1 set per pull handle fixing</p>		<p>21.297</p> <p>21.298</p>

*Not suitable for Arcos pull handles 26.500 / 26.510

Pair of pull handles

	Product description	Glass thickness	Art. No.
	Pair of stainless steel handlebars, lockable on both sides, prepared for standard PZ, length 1200 mm, incl. floor socket	8 – 12 mm	21.580
	Pair of stainless steel handlebars, lockable on one side, prepared for standard PZ, length 1200 mm, incl. floor socket	8 – 12 mm	21.581

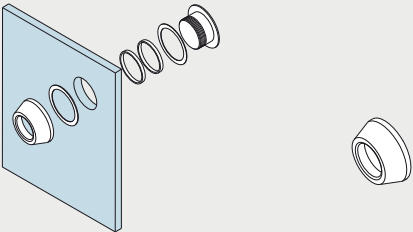
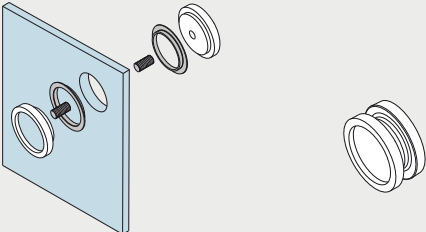
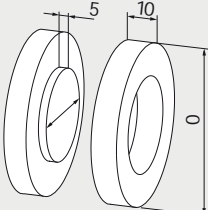
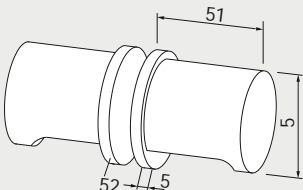
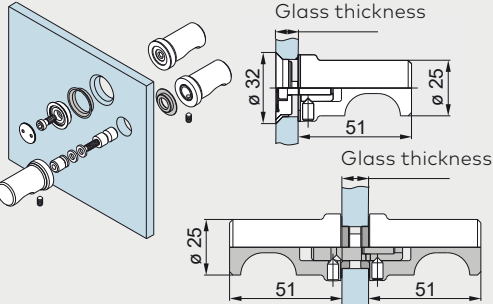
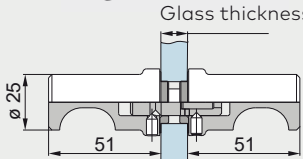
Arcos pull handle

	Product description	Glass thickness	Art. No.
	<p>Arcos pair of pull handle incl. connecting bolt Aluminium, stainless steel look</p> <p>Pull handle 350 mm with 2 fixings Pull handle 750 mm with 2 fixings</p>	<p>8/10/12 mm</p>	<p>26.500 26.510</p>
			
	<p>BEYOND pull handle Glas thickness 10 / 12 mm with 2 fixing points (through bore diameter 22 mm)</p> <p>Length 450 mm Length 600 mm Length 900 mm</p>		<p>30.300 30.305 30.310</p>

Handle bars

	Product description	Art. No.
<p>The technical drawing shows a cross-section of a pull handle. It features a central vertical bar with a diameter of 10 mm. This bar is surrounded by a sleeve with a total width of 111 mm (55.5 mm on each side). The sleeve has a central section with a diameter of 20 mm and a length of 500 mm. The outer diameter of the sleeve is 55.5 mm. The drawing also shows a 0.5 mm gap between the sleeve and the central bar.</p>	<p>Pull handle "Quadrat" Glas thickness 6 - 10 mm with 2 fixings</p> <p>Length 300 mm Length 500 mm</p>	<p>75.084 75.085</p>

Recessed pull grips and door knobs





	Product description	Glass thickness	Art. No.
 <p>Ø 38 mm Glass bore</p>	Recessed pull grip Ø 50 mm	8/10/12 mm	21.290
 <p>Ø 50 mm Glass bore</p>	Recessed pull grip Ø 60 mm Recessed pull grip with grip hole Ø 60 mm	8/10/12 mm 8 mm 10 mm 12 mm	21.291 21.292 21.293 21.294
 <p>Ø 50 mm Glass bore</p>	Recessed pull grip aluminum to be glued onto the glass Weight in kg: 0.072		07.200
 <p>Ø 20 mm Glass bore</p>	Door knob, aluminum Weight in kg: 0.400		07.201
 <p>Single-point fixing clamping disc (Ø 22 mm)</p> <p>(Glass preparation please see under "pull handles single", page 182)</p>	Door knob one side fixing Door knob with single-point fixing, countersunk Door knob with single-point fixings, clamping disc	8/10/12 mm	21.422 21.426
	Door knob back-to-back	8/10/12 mm	21.423




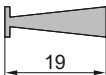
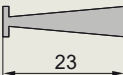
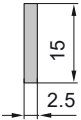
Note: To ensure better load transmission, please use a pull handle in conjunction with the DORMOTION damping unit.

Brush seals

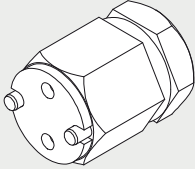
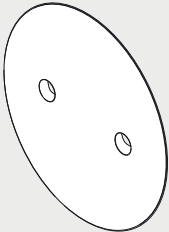
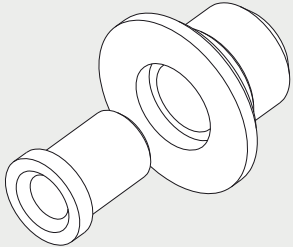
Brush seals for sliding doors	Product description	Art. No.
	MUTO reception profile for vertical brush seals stock length: 4,500 mm	36.826
	fixed length up to 4,500 mm	36.827
	MUTO reception profile with vertical brush seals fixed length up to 4,500 mm	36.828
	for 13-16 mm gap	36.829
	for 16-19 mm gap	36.830
	for 19-23 mm gap	36.831
	for 23-77 mm gap	36.860
	MUTO vertical brush seal fixed length up to 4,500 mm	36.861
	for 13-16 mm gap	36.862
	for 16-19 mm gap	36.863
for 19-23 mm gap	36.864 not illustr.	
for 23-77 mm gap	36.865 not illustr.	
for 23-77 mm gap	36.866 not illustr.	
for 23-77 mm gap	36.867 not illustr.	
MUTO vertical brush seals	for 13-16 mm gap (300 m roll)	36.864 not illustr.
for 16-19 mm gap (250 m roll)	36.865 not illustr.	
for 19-23 mm gap (250 m roll)	36.866 not illustr.	
for 23-77 mm gap (150 m roll)	36.867 not illustr.	
	Aluminum brush profile similar satin stainless steel	07.402
	for gap size 14-18mm stock length 3,000 mm	07.403
	fixed length up to 6,000 mm	07.400
	for gap size 10,5-13mm stock length 3,000 mm	07.401
15.5 for 8 mm glass 13.5 for 10 mm glass 11.5 for 12 mm glass		

Profile overview - seal system

Product description		Product description	
	Tubular seal (Art. No. 15.508, for doors that close against the wall, and for double-panel/biparting systems)		Brush
	Brush reception profile		Flat alu section (by others)

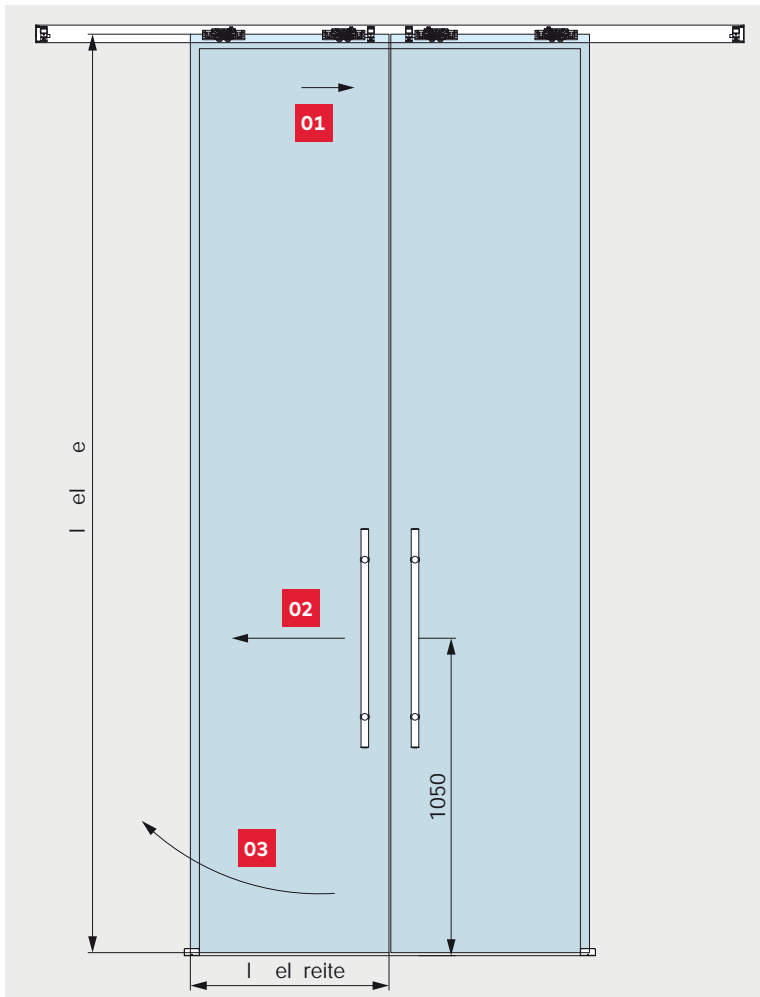
Application of profiles						
MUTO Comfort M 60						
at wall	●	●				
at ceiling	●	●				
at ceiling with side light	●	●				
MUTO Comfort L 80						
at wall	●	●				●
at ceiling	●		●			
at ceiling with side light	●		●			
at glass	●		●			
MUTO Premium XL 80/150 MUTO Premium Self-Closing 120						
at wall	●		●			●
at ceiling	●			●		
at ceiling with side light	●			●		
at glass	●			●		
MUTO Premium Telescopic 80						
at wall						
glass thickness: 8–10 mm	2X	●			●	●
glass thickness: 10–12 mm	2X	●			●	●
glass thickness: 12–13.5 mm	2X	●		●		●
at ceiling with side light						
glass thickness: 8–10 mm	2X		●		●	
glass thickness: 10–12 mm	2X		●		●	
glass thickness: 12–13.5 mm	2X		●	●		
at glass						
glass thickness: 8–10 mm	2X		●		●	
glass thickness: 10–12 mm	2X		●		●	
glass thickness: 12–13.5 mm	2X		●	●		

Accessories / Assembling aid

	Product description	Art. No.
	Assembling tool for MANET single-point fixing	21.134
	Clip-on cover for single-point fixing with spring, 5 pieces material 1.4305 do.material 1.4404	29.217 29.219
	Drilling jig for MANET single-point fixing serie S32/35	21.137

Tips and tricks

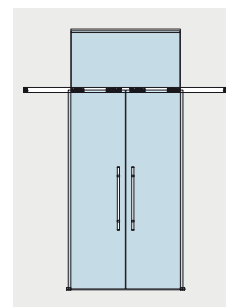
Sliding panel with unfavourable aspect ratio



Excessively high sliding panels in relation to the panel width can lead to unpleasant handling and malfunction due to physical reasons (recommendation of the aspect ratio: between 1:2 and 1:3).

- 01** The door is to be moved by means of a handle.
- 02** End stop, Dormotion unit and synchro function brake the panel within the track.
- 03** The door only moves down in the corresponding direction (door rotates)

This problem can be slightly improved by increasing the glass thickness and thus increasing the mass (weight) of the panel.



We recommend in such cases to use the application on glass and to use an overpanel. This reduces the door height and improves the aspect ratio.

Space for your notes

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.

For practical planning, please use our drawings dormakaba DETAIL.

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.



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