

Manual Sliding Door Systems

Technical brochure 05/2018

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

dormakaba

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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 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		NEW **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	600 [3) 6)]	660 [3)]	660 [3)]
	with DORMOTION	600 [3) 6)]	660	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		**20**	**30**	**46**

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 88 onwards	500 [3]	500 [3]	500 [3]	500 [3]
850 [3]					
1,500 [8]	from page 88 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	
66	**84**	**110**	**120**	**130**	**160**

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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MUTO

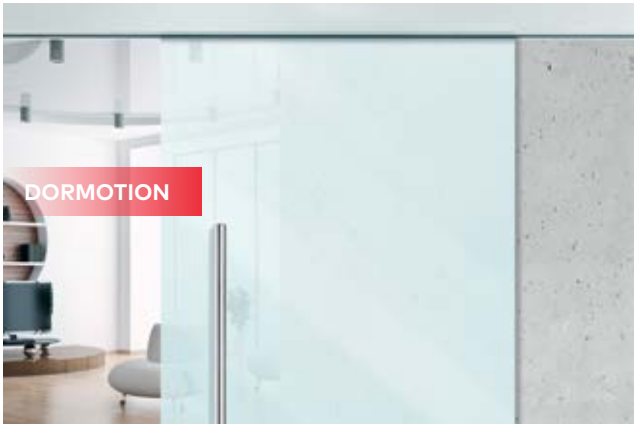
General information

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

Weight classes
- 60 kg NEW
- 80 kg
- 150 kg

Activity rate, longevity
- ≥ 50,000 cycles at 60 kg variant NEW
- ≥ 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

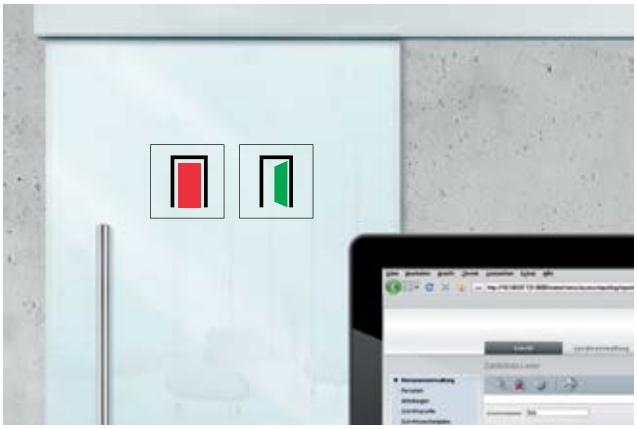
DORMOTION – the elegant damping mechanism



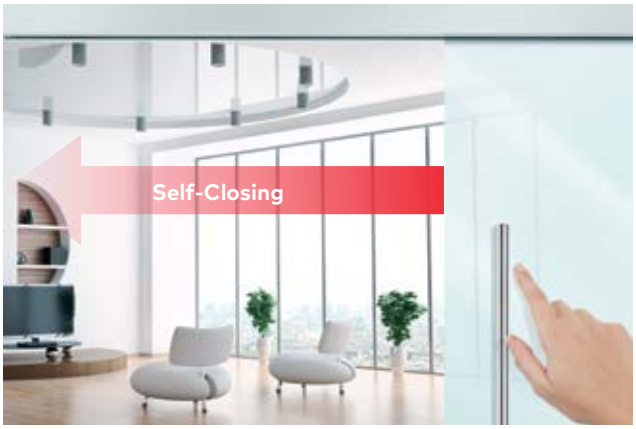
Integrated electromechanical lock – discretion assured



Status indicator – everything ander control

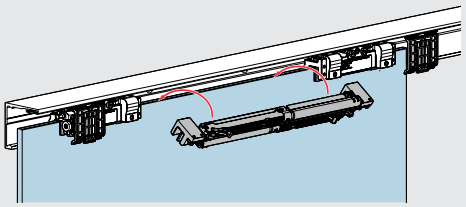


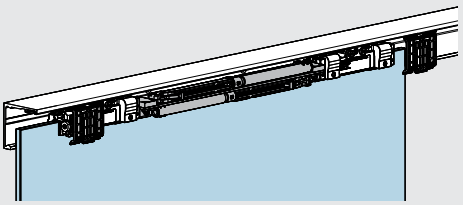
Self-Closing – hassle-free

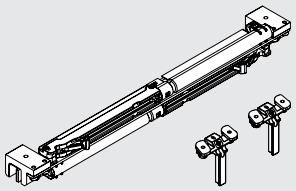


Retrofittable and safe

Product description



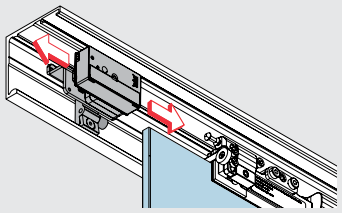




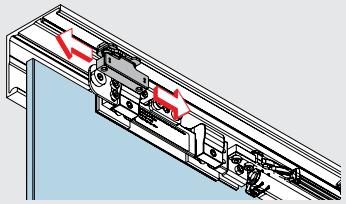
Drawing shows XL version

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

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



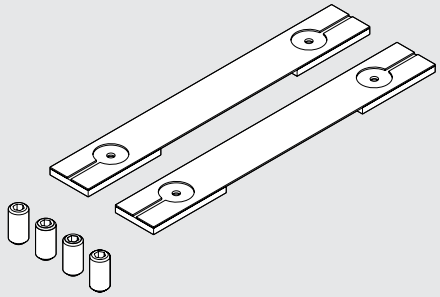
Locking device



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

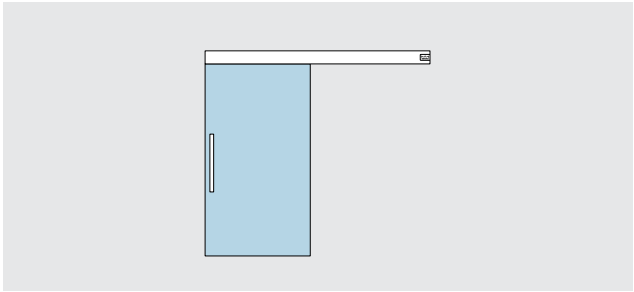
Status indicator (only in conjunction with the DORMOTION damping mechanism)
- Cable entry required
- Not suitable for outdoor facilities
- Applies to the following "Comfort" systems:
  MUTO Comfort L
  MUTO Premium XL
  MUTO Premium XL Telescopic
  MUTO Premium Self-Closing



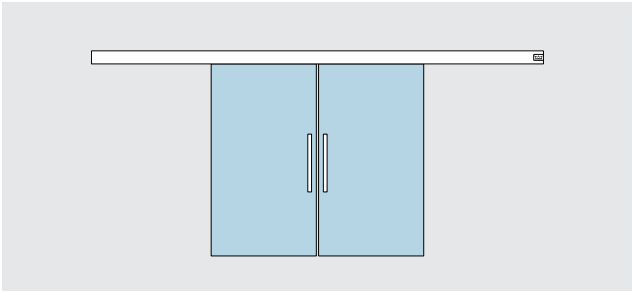
Secure hold for laminated safety glass without any mechanical glass preparation thanks to Clamp&Glue technology
- Easy retrofitting of the carriers with LSG accessory set
- No unwanted LSG phenomena:
  – No bubble formation
  – No laminate slippage
  – No glass fracture as a result of excessive clamping forces
  – No negative influence of temperature change (foil disappears)
- Applies to the following "Comfort" systems:
  MUTO Comfort M NEW
  MUTO Comfort L
  MUTO Premium XL
  MUTO Premium XL Telescopic
  MUTO Premium Self-Closing

Installations

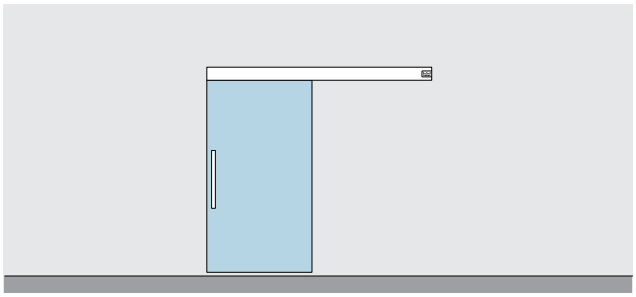
With one sliding panel



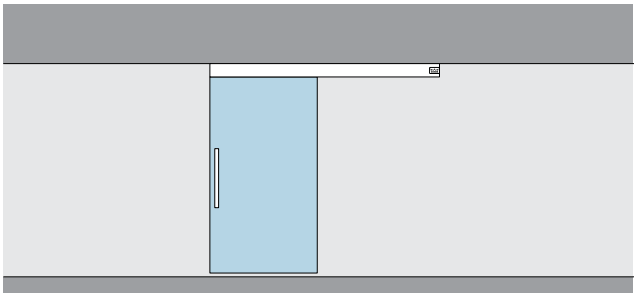
With two sliding panels



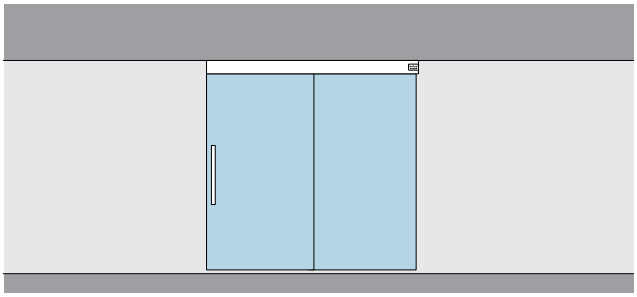
Fixed at wall



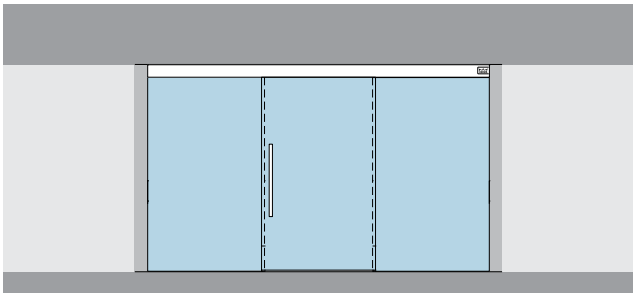
Fixed at ceiling



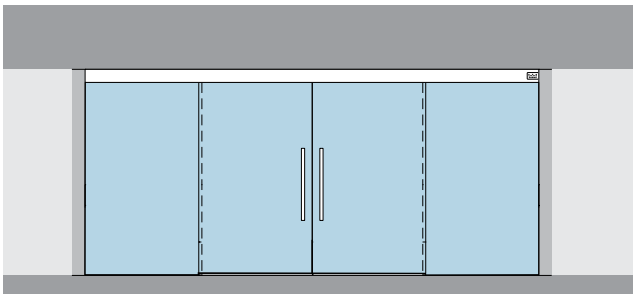
Fixed at transom with sidelight



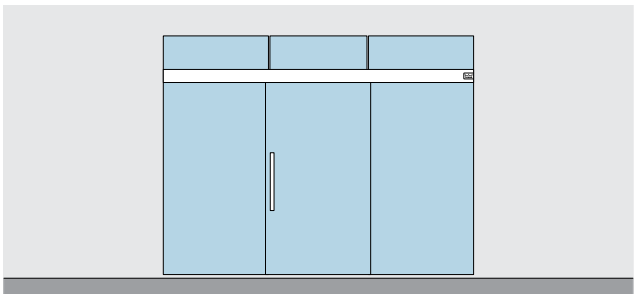
Fixed at transom with sidelight



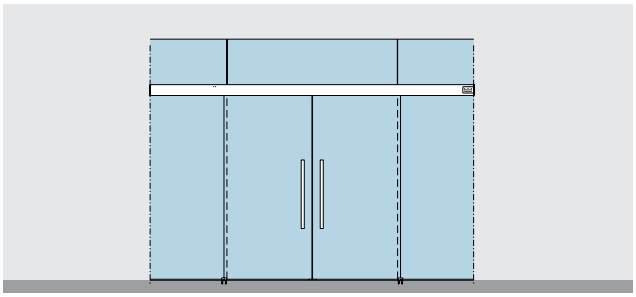
Fixed at ceiling with sidelights



Fixed at glass – with glass fanlight and glass sidelights

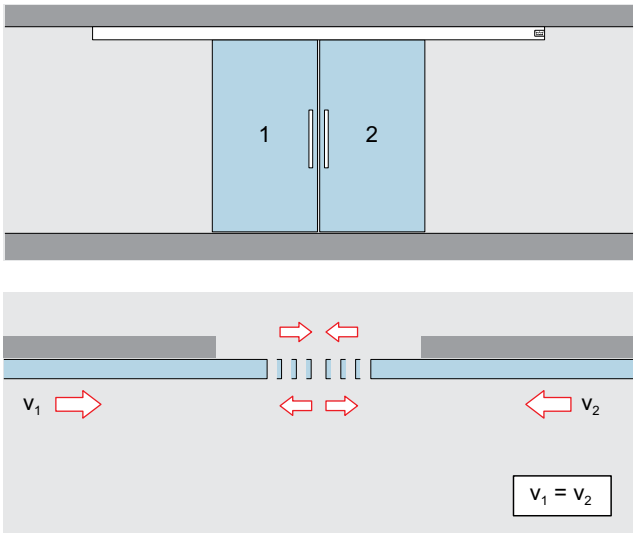


Fixed at glass – with glass fanlight and glass sidelights

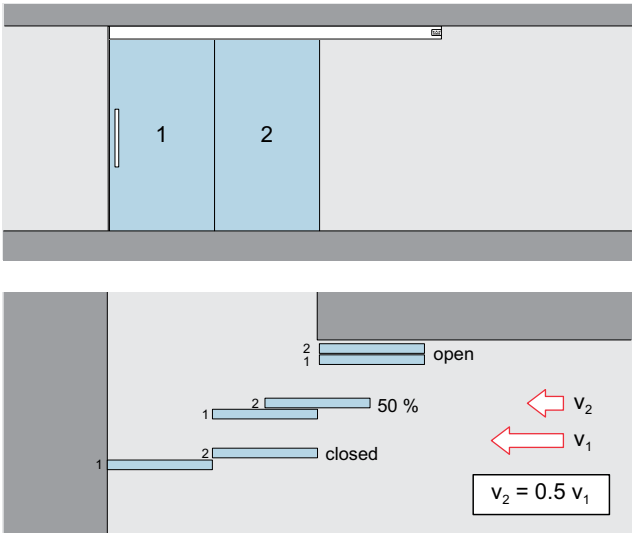


Functionalities

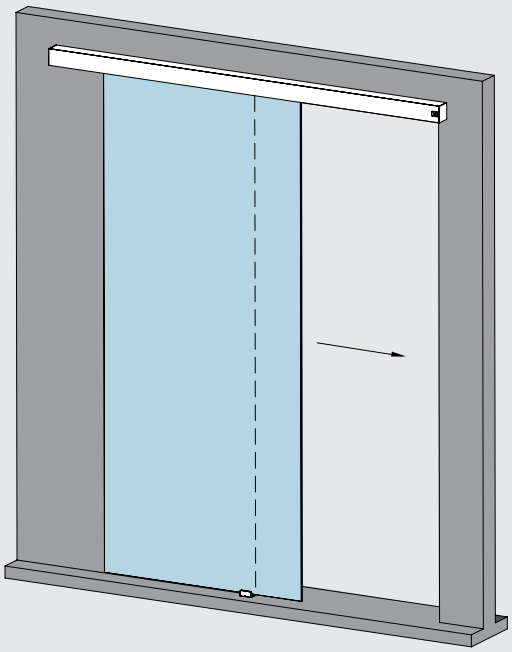
Synchro



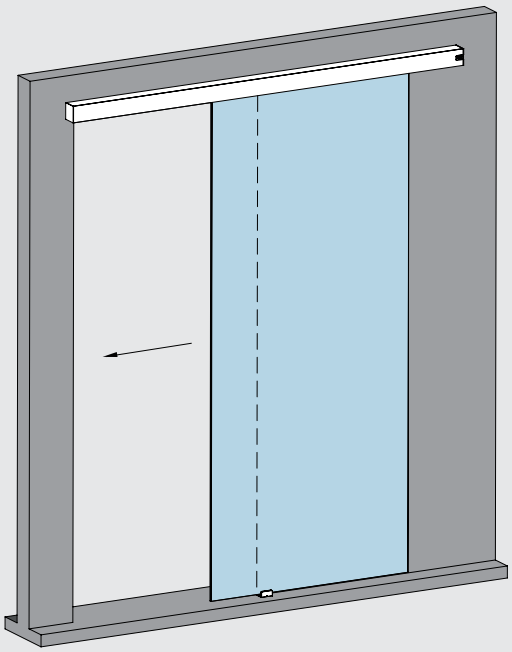
Telescopic



Self-Closing/Telescopic



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

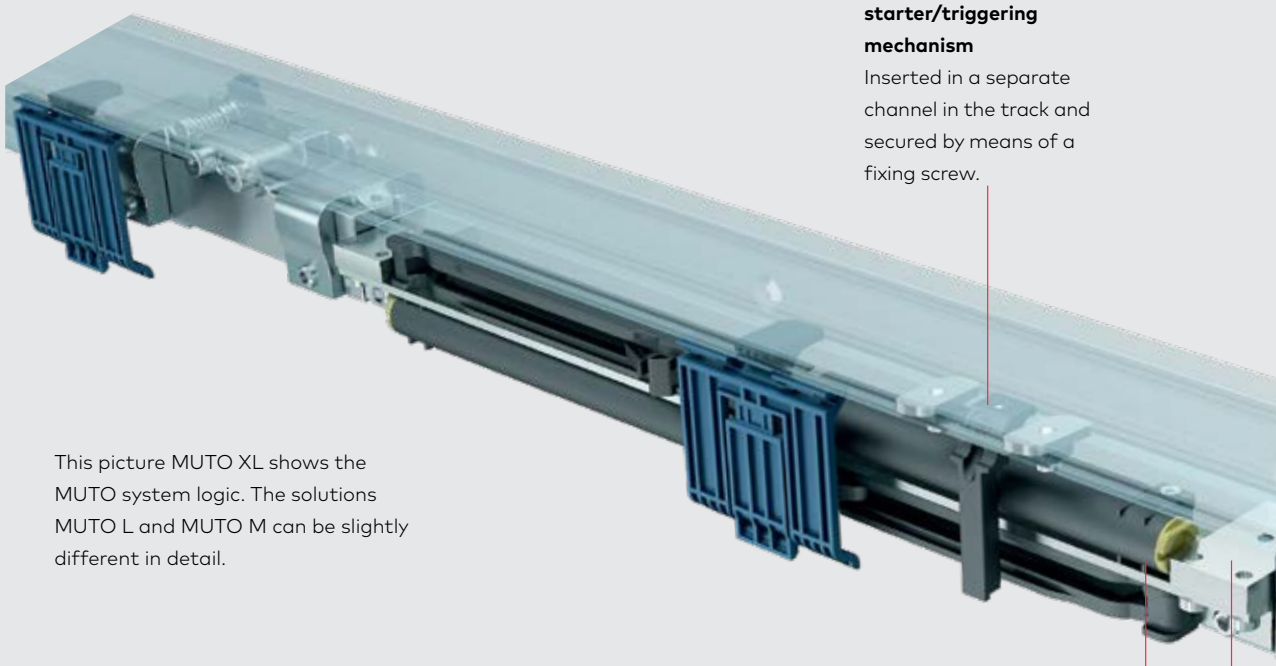


Right: Opening to right side,
Closing to left side (DIN Left)

v = Speed

The manual sliding door system offering fast, effortless installation

MUTO – easy installation and adjustability from the front.

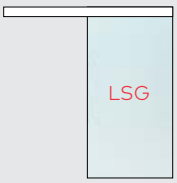


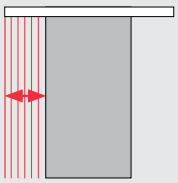
DORMOTION starter/triggering mechanism
Inserted in a separate channel in the track and secured by means of a fixing screw.

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

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.

LSG certified.
Transparent safety.
Laminated safety glass can be installed as part of the MUTO system.
The certification confirms its high-grade quality.





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

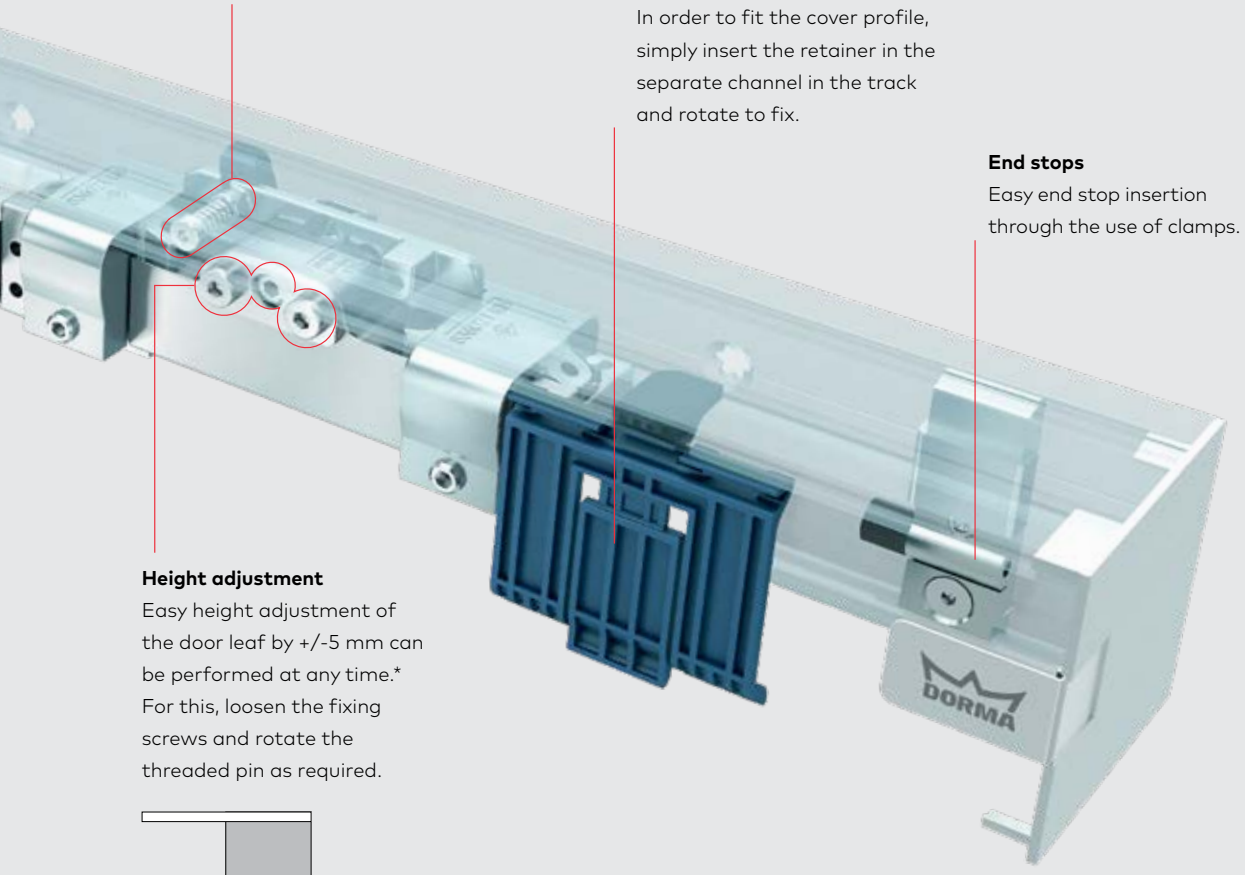
Benefits at a glance

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

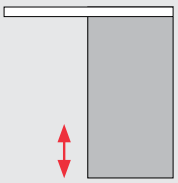
Anti-jump (anti-thrust) protection
Easy activation of the anti-jump (anti-thrust) protection.

Mounting the cover profile (retaining insert)
In order to fit the cover profile, simply insert the retainer in the separate channel in the track and rotate to fix.

End stops
Easy end stop insertion through the use of clamps.



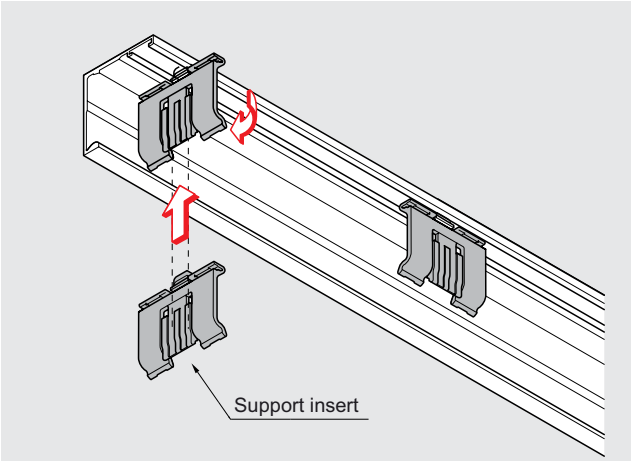
Height adjustment
Easy height adjustment of the door leaf by +/-5 mm can be performed at any time.*
For this, loosen the fixing screws and rotate the threaded pin as required.



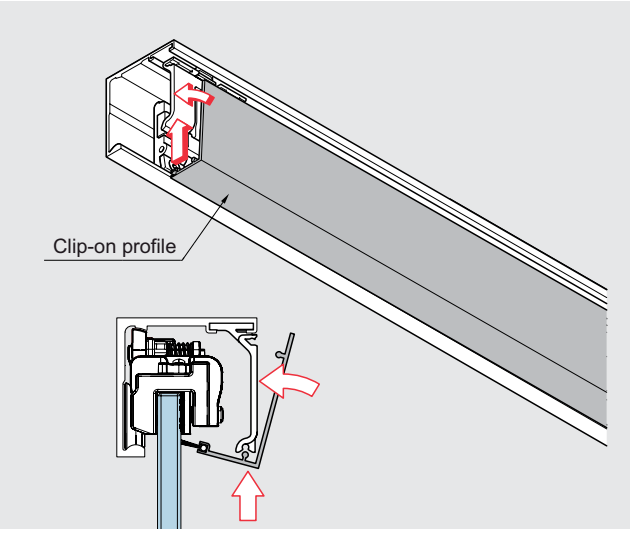
*Depending on system

Advantages at installation

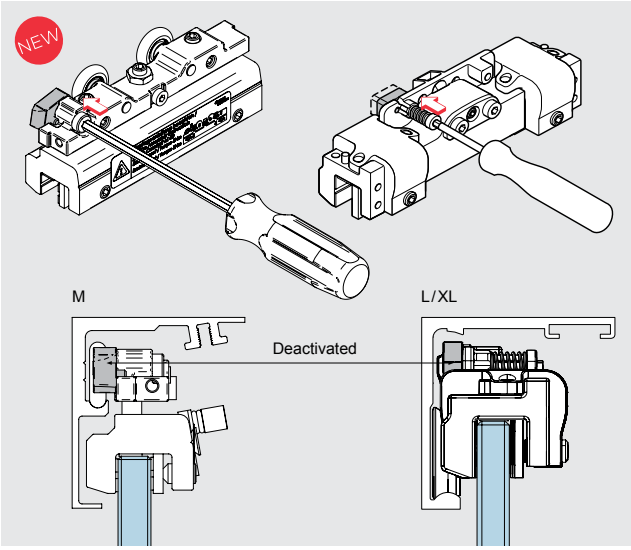
Cover profile

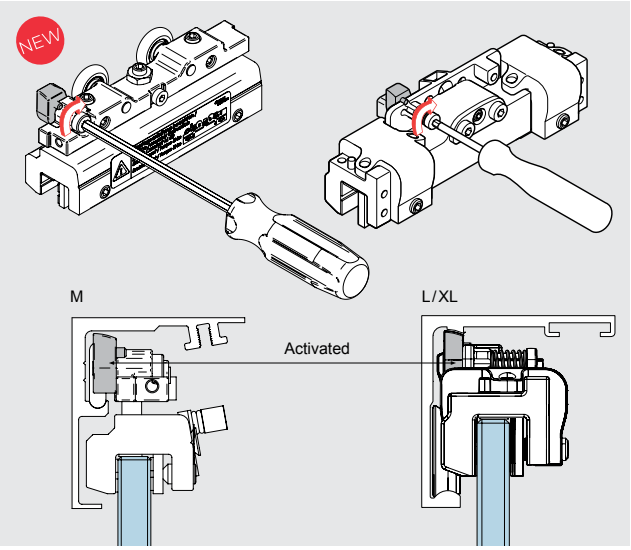


Illustr. MUTO L 80 - the fixing of the support insert at MUTO M 60 can be slightly different.

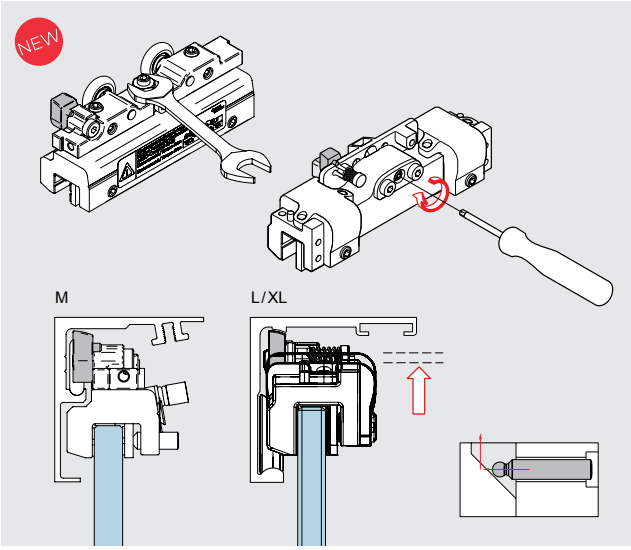


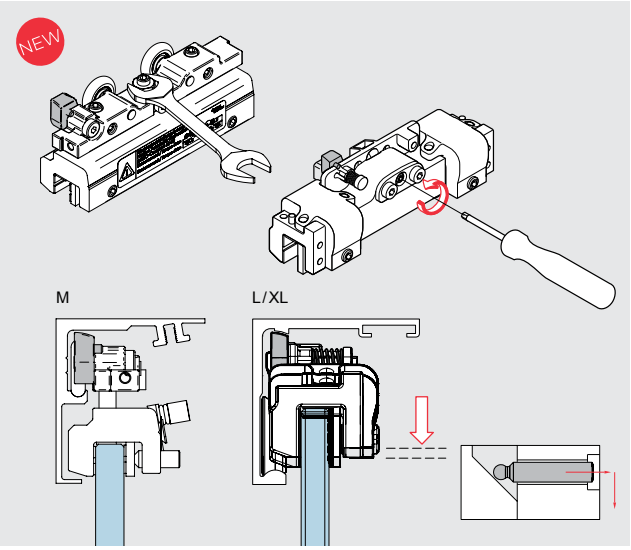
Anti-jump device – carriers: MUTO Comfort M, L, Premium XL, Self-Closing and Telescopic



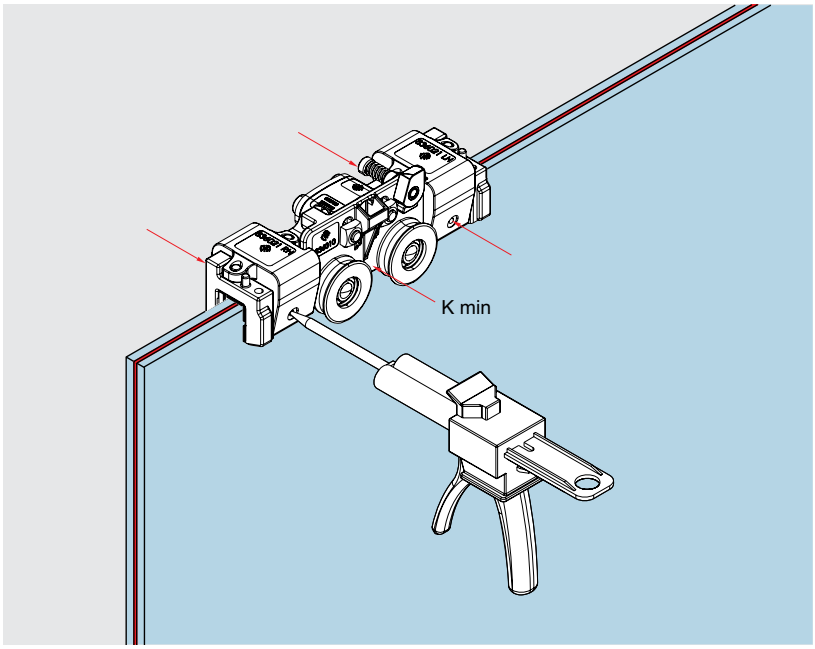


Height adjustment – carriers: MUTO Comfort M, L, Premium XL , Self-Closing and Telescopic





Clamp&Glue technology

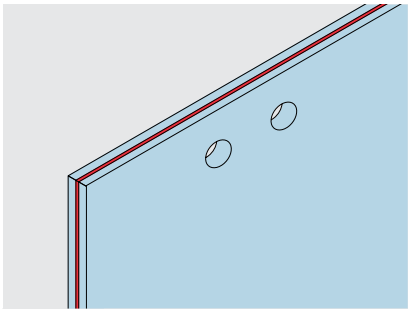


dormakaba Clamp&Glue technology provides the possibility to keep the advantages and – at the same time – to eliminate the potential issues of laminated safety glass. The solution for secure hold of the glass panel only needs a minimum of clamping force at the fittings, without any glass preparation.

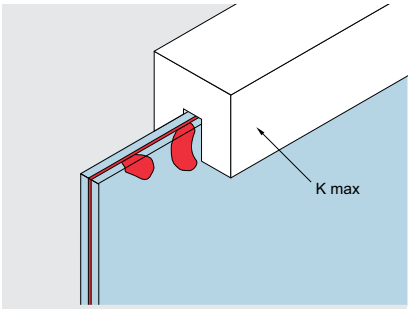
- Carrier sets readily convertible to LSG – make sure you specifically order LSG accessory sets
- High level of safety
- Easy installation
- Improved smoothness of operation
- Integration of sound protection laminate
- Decorative laminates
- Residual load-bearing capacity

MUTO: the following negative phenomena are eliminated with LSG

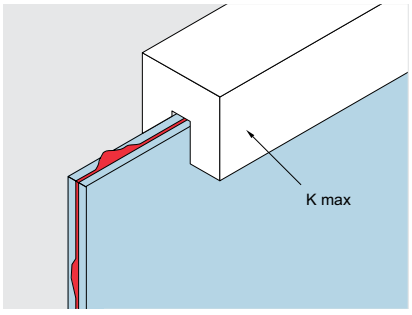
Glass preparation



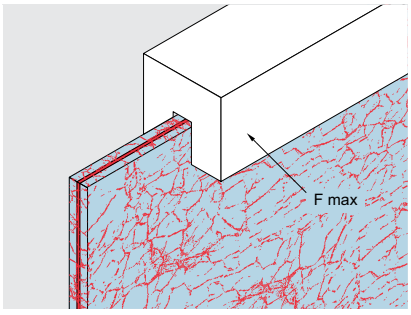
Blister



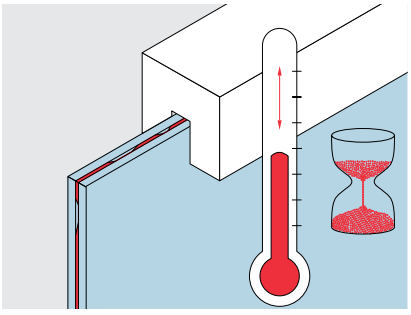
Extrusion of interlayer



Glass crack



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

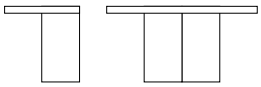
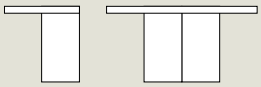


MUTO

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

Comfort	 NEW MUTO Comfort M 60	 MUTO Comfort L 80	 MUTO Premium XL 80
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
Max. gap to wall (timber door, thickness > 30 mm)	7 mm	7 mm	7 mm
Glass thickness	8 – 12 mm	8 – 13.5 mm	8 – 13.5 mm
Installations	Wall, ceiling	Wall, ceiling, glass	Wall, ceiling, glass
Max. door height	≤ 2,500 mm	≤ 3,000 mm	≤ 3,000 mm
Max. door width	≤ 1,300 mm	≤ 1,500 mm**	≤ 1,500 mm**
Door height adjustment	+ 4 mm / – 2 mm	+ 5 mm / – 3 mm	+ / – 5 mm
Corrosion EN 1670	Class 2	Class 4	Class 4
Door cycles	≤ 50,000	≥ 100,000	≥ 200,000
DIN EN 1527	●	●	●
Max. door weight/single door	60 kg	80 kg	80 kg
Max. door weight/double door	–	2 x 80 kg	2 x 80 kg
Prepared for timber	●	●	●
Glass type	TSG / LSG*	TSG / LSG*	TSG / LSG*
Functionalities			
Adjustable from the front	●	●	●
DORMOTION	No glass preparation	No glass preparation	No glass preparation
Synchro version	–	O	O
Status indicator	–	O	O
Concealed EM locking	–	O	O
Self-Closing	–	–	–

 1 door panel

 2 door panels with Synchro

 2 door panels without Synchro

● yes – no O optional

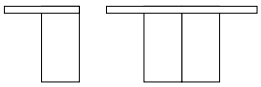
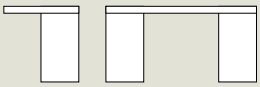
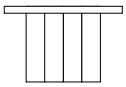
* LSG from 2 x TSG (min. 2 x 5 mm).

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

1) Max. travel 1,450 mm

Variants

- Self-Closing
- Telescopic – wide openings with small panels
- Synchro – moving both panels of a double door synchronously either toward each other (closing) or from each other (opening) when just one panel is moved by hand.
- Wall, glass and ceiling installations possible
- For panels ≤ 60 kg up to 150 kg

		
MUTO Premium XL 150	**MUTO Premium Self-Closing 120**	**MUTO Premium Telescopic 80**
W ≤ 72 mm H ≤ 69 mm	W ≤ 100 mm H ≤ 69 mm	W ≤ 124 mm H ≤ 69 mm
W = 91 mm	W = 119 mm	W = 146 mm
W ≤ 72 mm H ≤ 69 mm	W ≤ 100 mm H ≤ 69 mm	W ≤ 127 mm H ≤ 69 mm
20 mm	20 mm	17 mm
7 mm	7 mm	7 mm
7 mm	7 mm	7 mm
8 – 13.5 mm	8 – 13.5 mm	8 – 13.5 mm
Wall, ceiling, glass	Wall, ceiling, glass	Wall, ceiling, glass
≤ 3,000 mm	≤ 3,000 mm	≤ 3,000 mm
≤ 1,500 mm**	≤ 1,500 mm [1)]	1,200 / 1,000 mm (2x/4x)
+ / – 5 mm	+ / – 5 mm	+ 5 mm / – 3 mm
Class 4	Class 4	Class 4
≥ 200,000	≥ 200,000	≥ 200,000
●	●	●
150 kg	120 kg	2 x 80 kg
2 x 150 kg	2 x 120 kg	4 x 80 kg
●	●	●
TSG / LSG*	TSG / LSG*	TSG / LSG*
●	●	●
No glass preparation	No glass preparation	No glass preparation
–	–	–
○	○	○
○	○	○
–	●	–

 2 door panels, Teleskopic

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

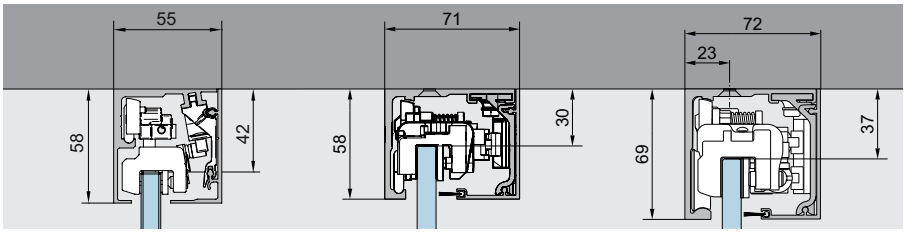
MUTO

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



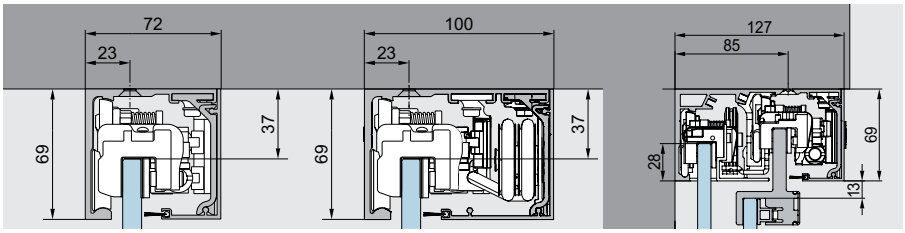
	NEW MUTO M 60	MUTO L 80	MUTO Premium XL 80
DORMOTION	Optional	Optional	Yes
max. Sliding panel weight	60 kg	80 kg	80 kg
Movement cycles	≥ 50,000	≥ 100,000	≥ 200,000
Glass thickness sliding panel	8 – 12 mm	8 – 13.5 mm	8 – 13.5 mm
Hight adjustment	+ 4 mm / – 2 mm	+ 5 mm / – 3 mm	+/– 5 mm
Material thickness (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[1)]	600 – 1,440 mm	600 – 2,440 mm
Panel width [A]	LW + 60 mm	LW + 60 mm	LW + 60 mm
Panel width [A] min. – max. (without DORMOTION / with retrofittable lock/ status indicator)	600 – 1,300 mm*[2)] no lock/ status indicator	660 – 1,500 (max. 2,000 mm*)	660 – 1,500 (max. 2,500 mm*)
Panel width Comfort [A] min. – max. (with DORMOTION, with retrofittable lock/ status indicator)	600 – 1,300 mm*[2)] no lock/ status indicator	660 – 1,500 (max. 2,000 mm*)	810 – 1,500 (max. 2,500 mm*)
Panel width Standard [A] min. – max. (with DORMOTION, without retrofittable lock/ status indicator)	600 – 1,300 mm*[2)] no lock/ status indicator	660 – 1,500 (max. 2,000 mm*)	755 – 1,500 (max. 2,500 mm*)
Panel width Small [A] min. – max. (with DORMOTION, without retrofittable lock/ status indicator)	600 – 1,300 mm*[2)] no lock/ status indicator	660 – 1,500 (max. 2,000 mm*)	690 – 1,500 (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: without DORMOTION min. 340 mm possible, with DORMOTION min. 490 mm possible
[2)] After consultation: without DORMOTION min. 400 mm possible, with DORMOTION min. 550 mm possible

Profile dimensions
XL = 72 x 69 mm
Max. door weight
150 kg

Profile dimensions
Self-Closing = 100 x 69 mm
Max. door weight
120 kg

Profile dimensions
M = 127 x 69
Max. door weight
2 x 80 Kg

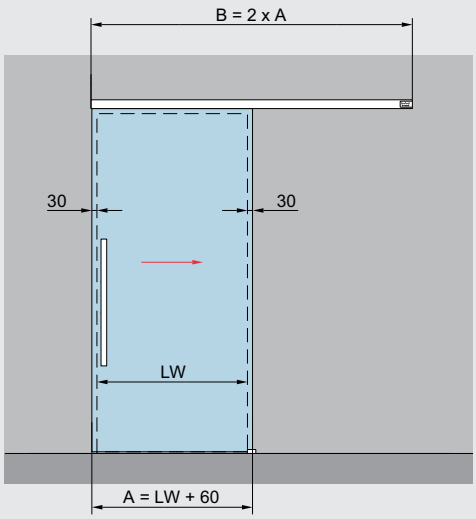


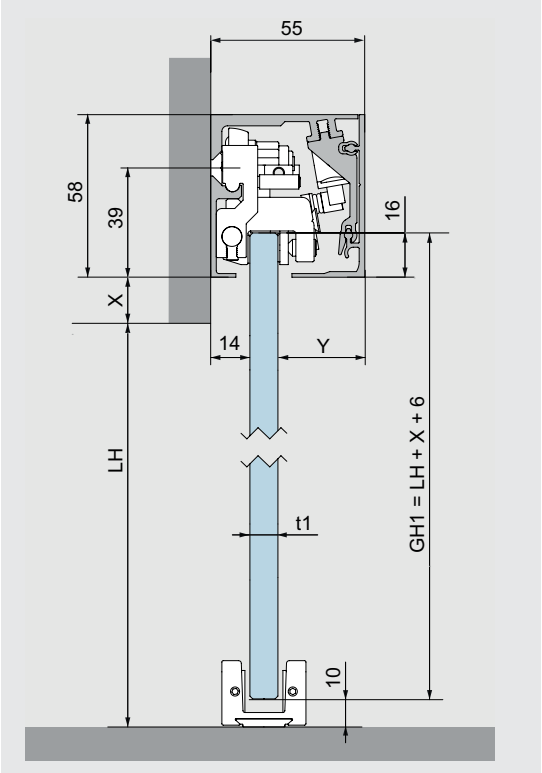
Art. No.	8.36. xxx	**xxx**	.99
Alu Silver		**150**	
Alu Niro Dark		**157**	
Alu White		**350**	
Alu Special anodised		**199**	
Alu Special colour		**399**	

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 84
LW + 60 mm	LW + 60 mm	see from page 88 onwards
660 – 1,500 (max. 2,500 mm*)	–	see page 84
1,020 – 1,500 (max. 2,500 mm*)	850 – 1,500 mm*	see page 84
1,005 – 1,500 (max. 2,500 mm*)	–	–
900 – 1,500 (max. 2,500 mm*)	–	–
2 x A	2 x A	see from page 88 onwards
2 x A + 67 mm	2 x A + 67 mm	see from page 88 onwards
1,986 – 2,890 mm	1,606 – 2,890 mm	see page 84
LW / 2 + 27 mm	LW / 2 + 27 mm	see from page 88 onwards
1,020 – 1,470 mm	830 – 1,470 mm	see page 84
4 x A – 44 mm	4 x A – 44 mm	see from page 88 onwards
4 x A + 12 mm	4 x A + 12 mm	see from page 88 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.

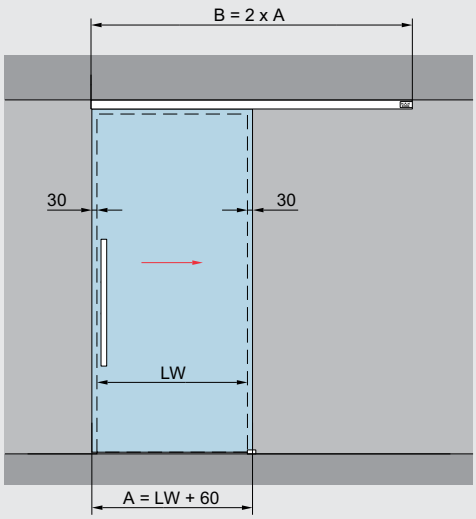
Type illustrations wall installation

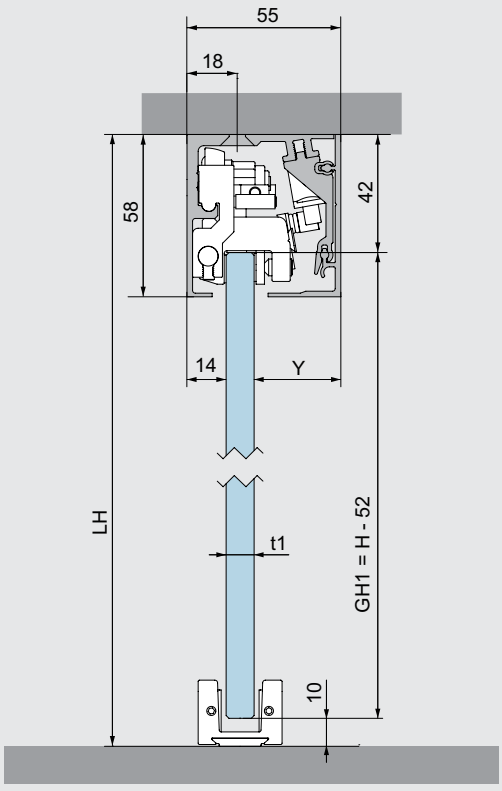


Fixed at wall	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 60 kg **Calculation of glass height** GH1 = LH + X + 6 mm max. 2,500 mm **Calculation of glass width** A = LW + 60 mm min. 600 mm (after consultation: min. 400 mm possible) max. 1,300 mm min. 600 mm with DORMOTION (after consultation: min. 550 mm possible) max. 1,300 mm	8 – 12 mm

A = Glass width
B = Length of track
GH1 = Glass height sliding door
H = Total height
LH = Clear opening height
LW = Clear opening width
t1 = Glass thickness sliding door
Y = 55 mm – (14 mm + t1)
X = Freely selectable protrusion (depending on structural conditions)

Type illustrations ceiling installation

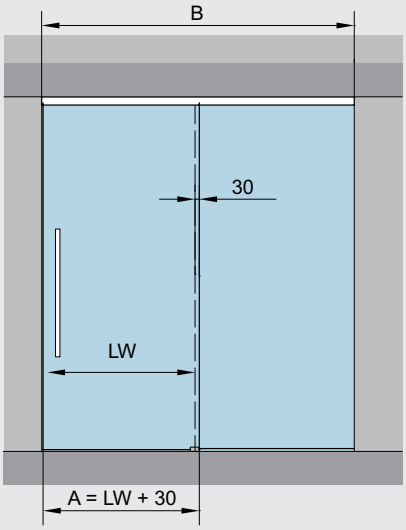


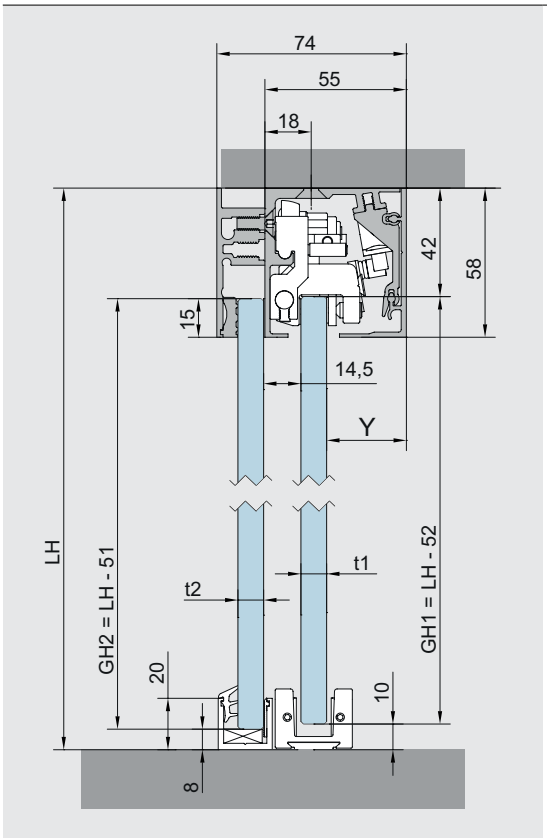
Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 60 kg **Calculation of glass height** GH1 = H – 52 mm max. 2,500 mm **Calculation of glass width** A = LW + 60 mm min. 600 mm (after consultation: min. 400 mm possible) max. 1,300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

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

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

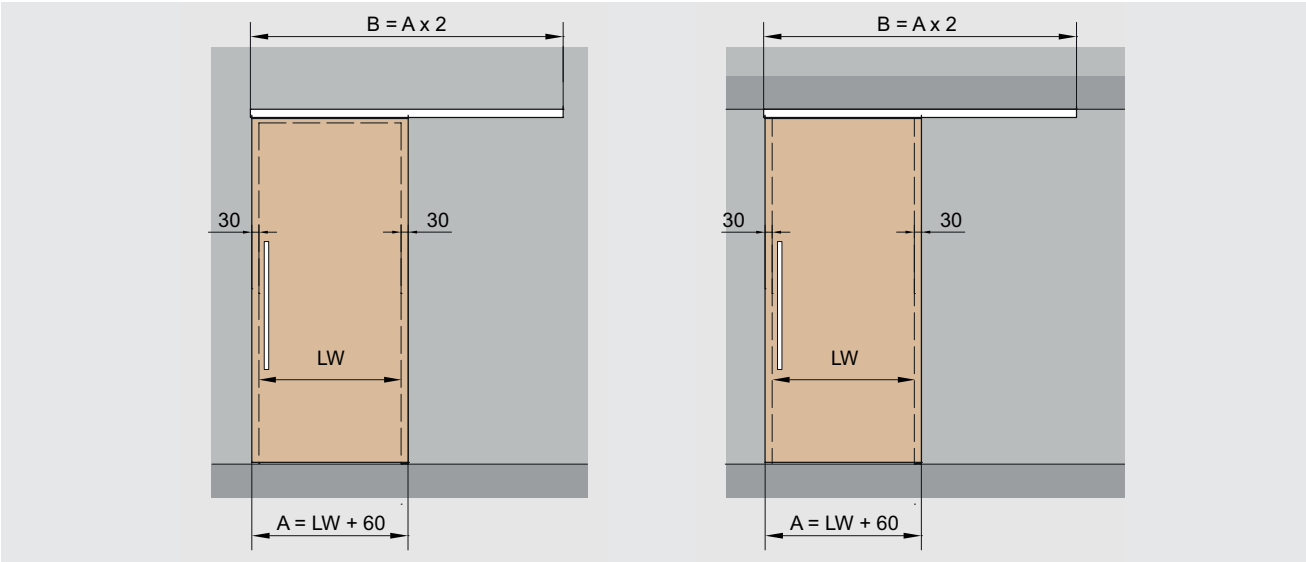
Type illustrations with side panel, on one side

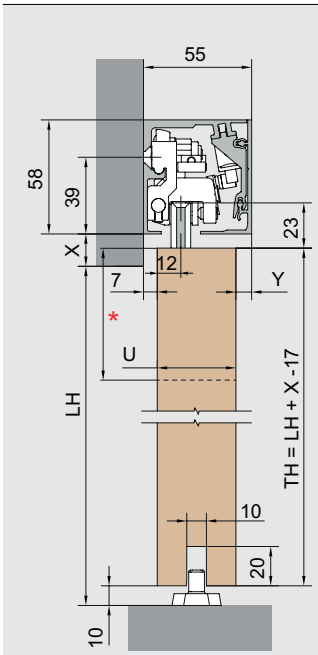
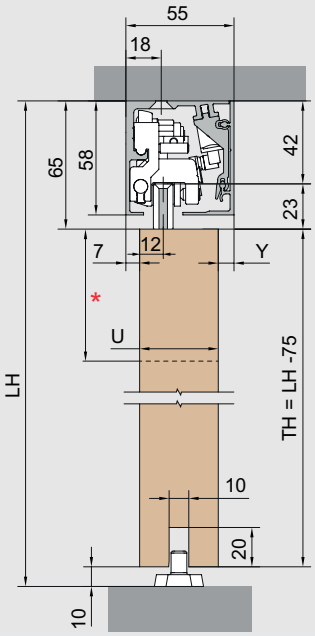


Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 60 kg **Calculation of glass height** GH1 = LH - 52 GH2 = LH - 51 max. 2,500 mm **Calculation of glass width** A = LW + 30 mm min. 600 mm (after consultation: min. 400 mm possible)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

A = Glass width
B = Length of track
GH1 = Glass height sliding door
GH2 = Glass height sidelight
H = Total height
LH = Clear opening height
LW = Clear opening width
S = Glass width sidelight
t1 = Glass thickness sliding door
t2 = Glass thickness sidelight
Y = 55 mm - (14 mm + t1)

Type illustrations for timber door applications

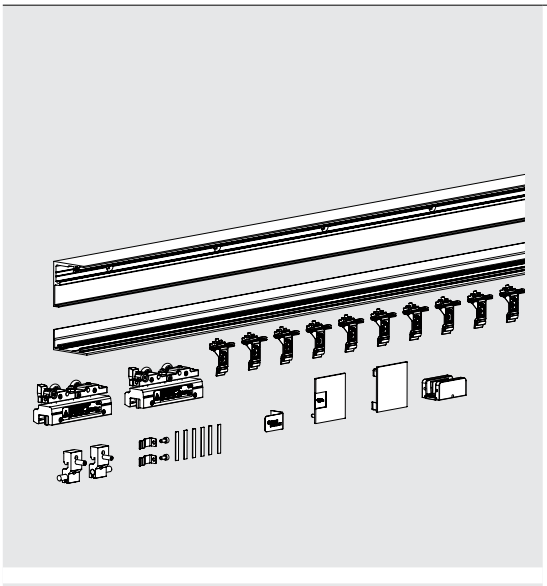
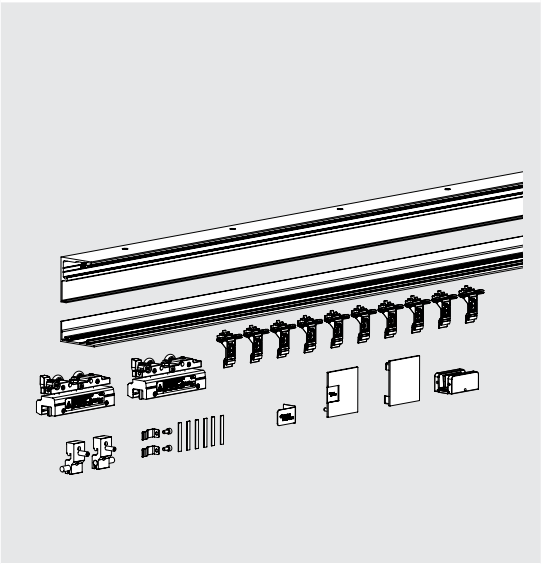


Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		For installation with one door panel **Max. weight of door panels** 60 kg **Calculation of door height fixed at wall** TH = LH + X - 17 max. 2,500 mm **Calculation of door height fixed at ceiling** TH = LH - 75 max. 2,500 mm **Calculation of door 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	28 – 50 mm

* Timber door 100 mm solid wood for connection at timber adapter

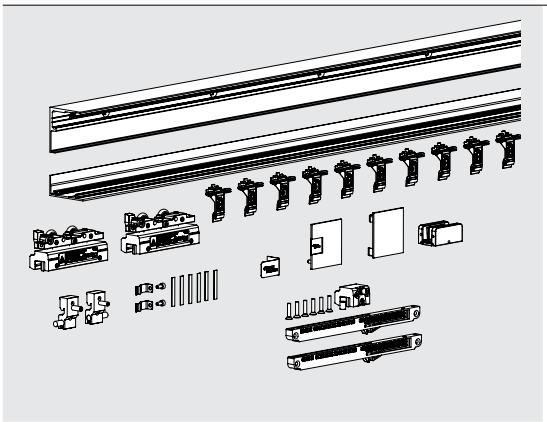
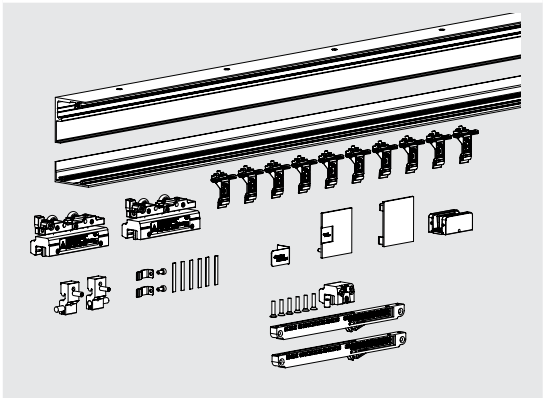
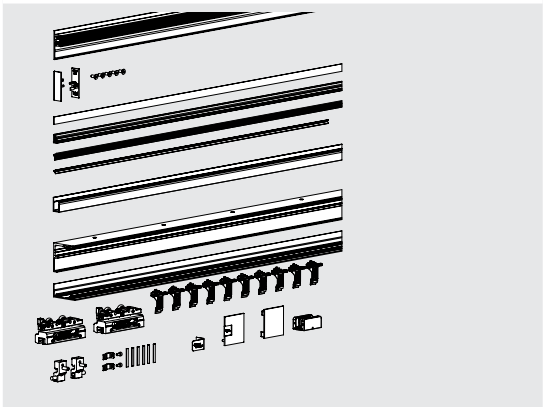
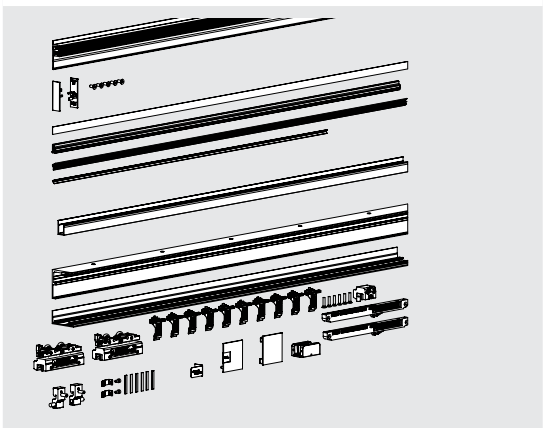
A = Glass width
B = Length of track
H = Total height
LH = Clear opening height
LW = Clear opening width
TH = Door height
u = Wood thickness
X = Freely selectable protrusion (depending on structural conditions)

Complete sets - defined lengths

	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 max. 60 kg	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	**36.676** not illustr. **36.677** not illustr.
	**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 max. 60 kg	950 1,200	1,900 2,400	8 – 12 mm 8 – 12 mm	**36.678** not illustr. **36.679** not illustr.

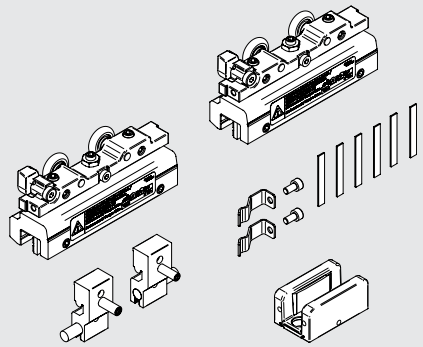
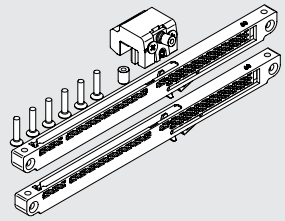
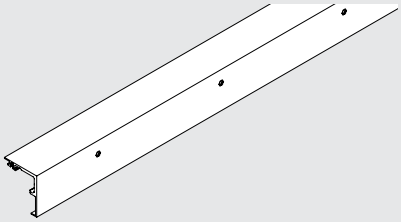
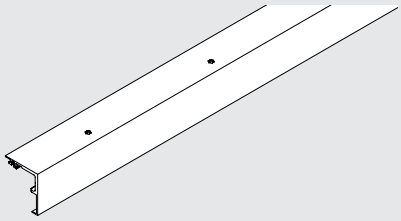
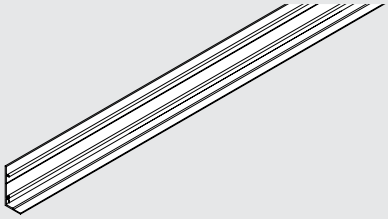
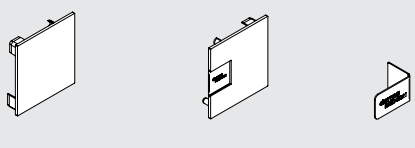
*When using a DORMOTION damping unit, we recommend installation of a pull handle.

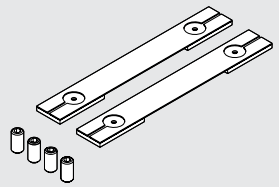
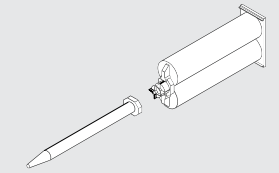
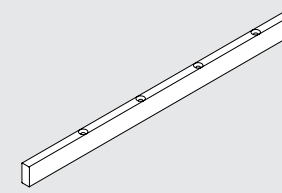
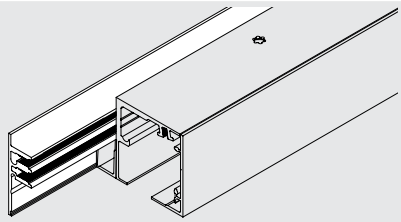
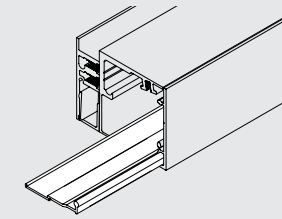
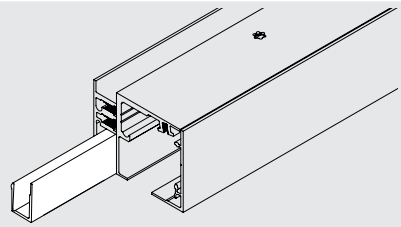
Complete sets - individual lengths

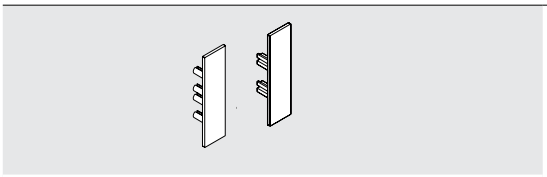
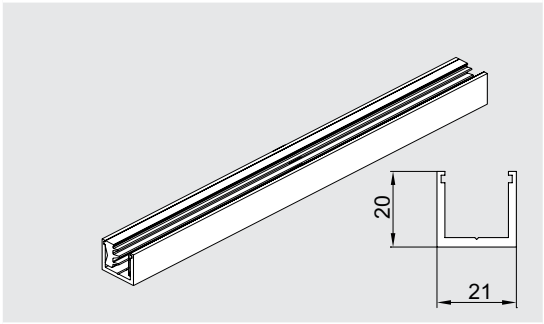
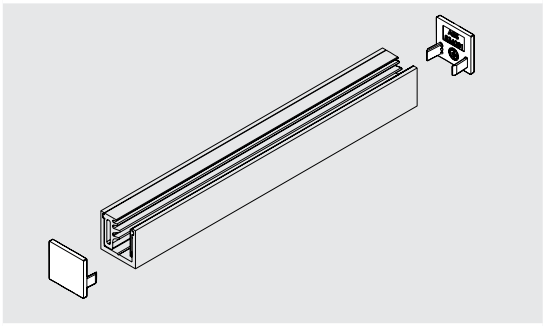
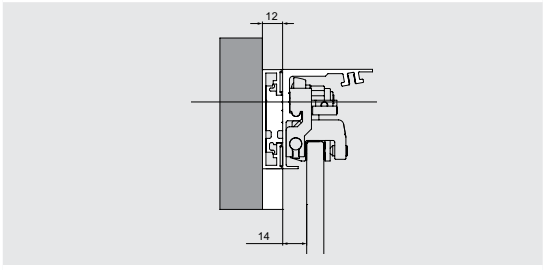
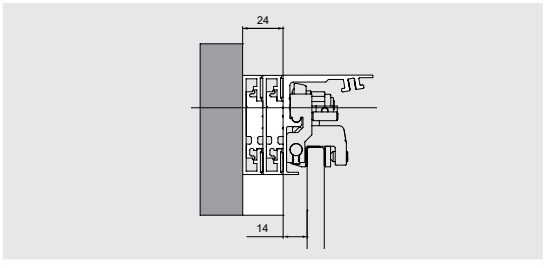
	Product description	Glass thickness	Art. No.
	**MUTO Comfort M 60 Set** **prepared for DORMOTION** wall installation **individual profile length** up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap	8 – 12 mm	**36.674** not illustr.
	MUTO Comfort M 60 Set **incl. DORMOTION*** wall installation **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** ceiling installation **individual profile length** up to max. 5,940 mm incl. track profile, cover profile, accessory set, end cap	8 – 12 mm	**36.675** not illustr.
	MUTO Comfort M 60 Set **incl. DORMOTION*** wall installation **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** ceiling installation with sidelight **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*** ceiling installation with sidelight **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

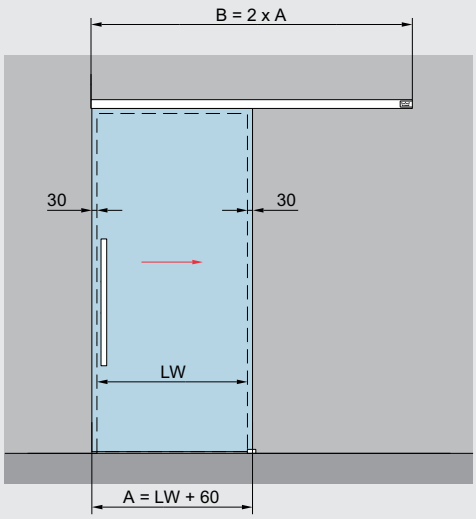
	Product description	Art. No.
	**Accessory set** **Consisting of:** 2 Clamp carriers 2 Endstops 1 Floor guide	**36.691**
	**DORMOTION unit** Panel width min. 600 mm (after consultation min. 550 mm possible) for max. 60 kg, incl. starter When using a DORMOTION damping unit, we recommend installation of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

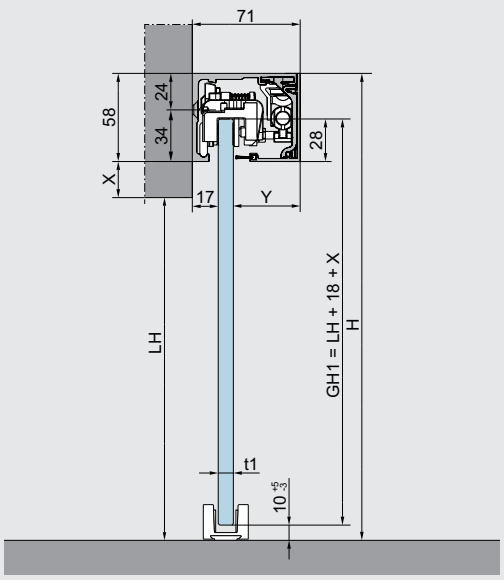
	Product description	Art. No.
	**MUTO Comfort M 60** **LSG set** Accessory set for use with LSG for one pair of clamp carrier **Consisting of:** 2 Gaskets 4 Injector screw Please order the LSG glue 07.631 separately	**36.939**
	**Special adhesive and nozzle** **for use with LSG**	**07.631**
	**MUTO Comfort M 60** **Timber adapter profile** 10 x 23 mm, incl. accessories (with timber floor guide) 1,310 mm fixed length	**36.941**
	**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	 **36.271** **36.274**
	**MUTO M 60** **View protection profile** for sidelight profiles stock length 6,000 mm fixed length	 **36.694** **36.695**
	**MUTO** **Filling profile** for Comfort M, L, Premium XL and Self-Closing, for side light profile stock length 6,000 mm fixed length	 **36.802** **36.803**

	Product description	Glass thickness	Art. No.
	**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.)		**36.273**
	**MUTO** **Floor profile** for Comfort L and Premium XL, for fixing side light, with gaskets, incl. end caps	8 – 13.5 mm	
	stock length 6,000 mm		**36.810**
	fixed length		**36.811**
	**MUTO** **End caps (2 pieces)** for Comfort M + L and Premium XL, for floor profile, for fixing side light		**36.812**
	**MUTO Comfort - balance profile set** 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length		**36.872**
	**MUTO Comfort - balance profile set** 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length		**36.873**

Space for your notes

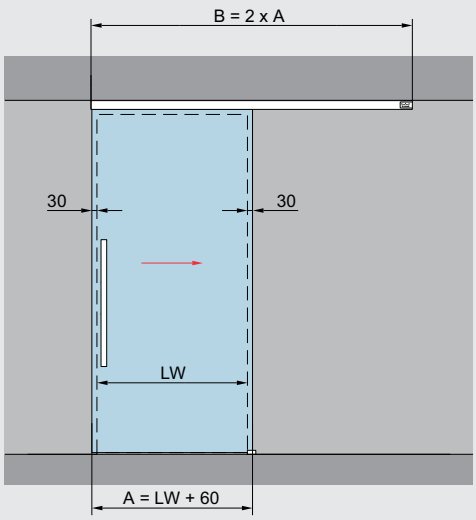
Type illustrations wall installation

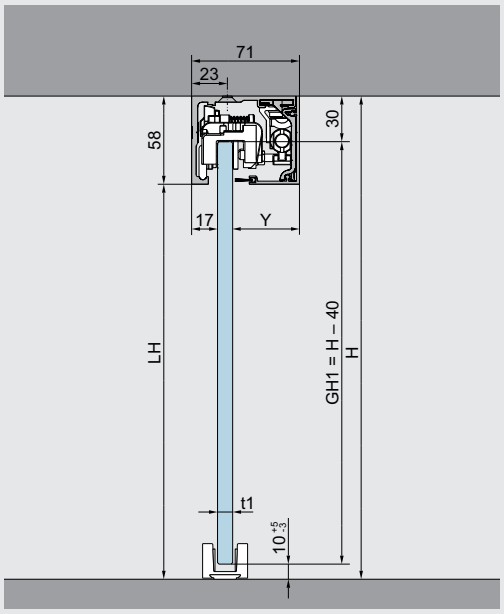


Fixed at wall	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 80 kg **Calculation of glass height** GH = LH + 18 + X mm max. 3,000 mm **Calculation of glass width** A = LW + 60 mm min. 660 mm max. 2,000 mm min. 660 mm with DORMOTION max. 2,000 mm with DORMOTION max. 2 x 1,250 mm	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
X = Freely selectable protrusion (depending on structural conditions)

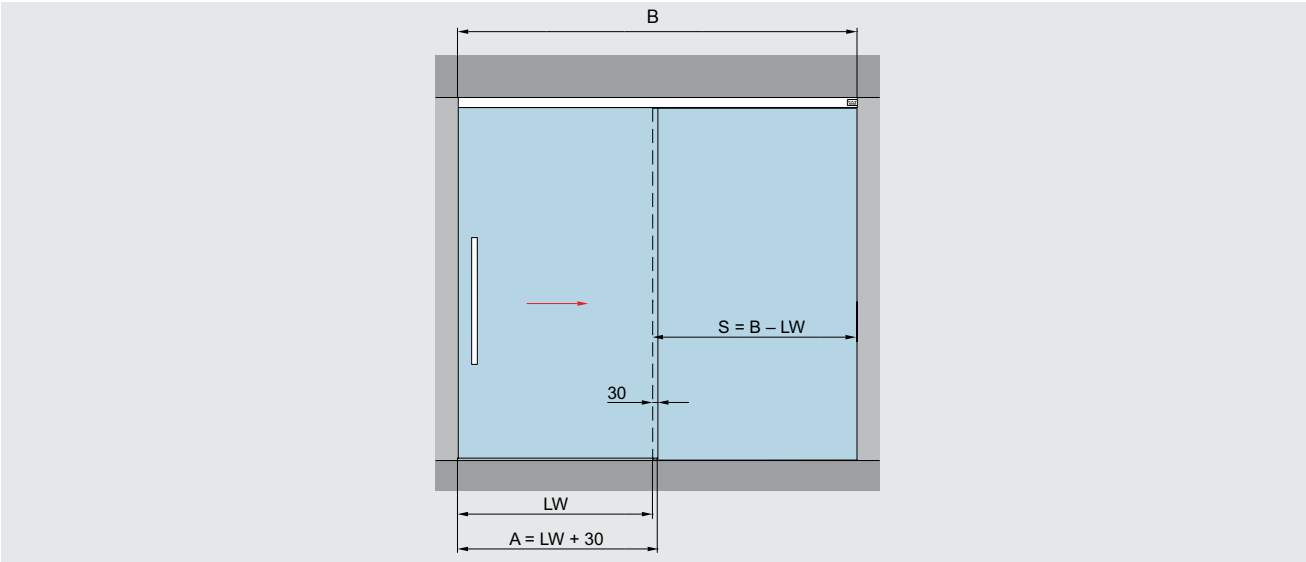
Type illustrations ceiling installation

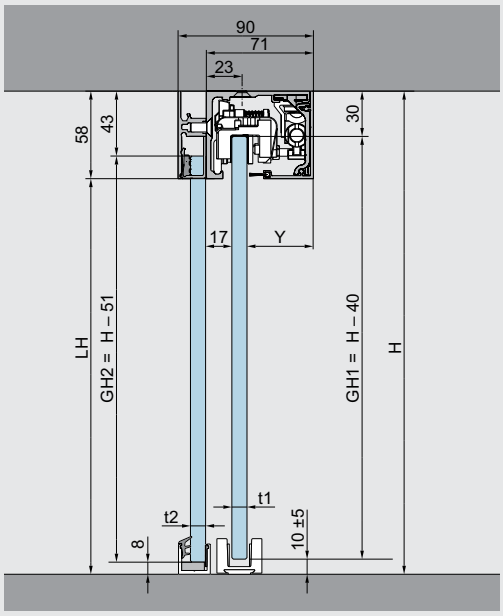


Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 80 kg **Calculation of glass height** GH1 = H – 40 mm max. 3,000 mm **Calculation of glass width** A = LW + 60 mm min. 660 mm max. 2,000 mm min. 660 mm with DORMOTION max. 2,000 mm max. 2 x 1,250 mm	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

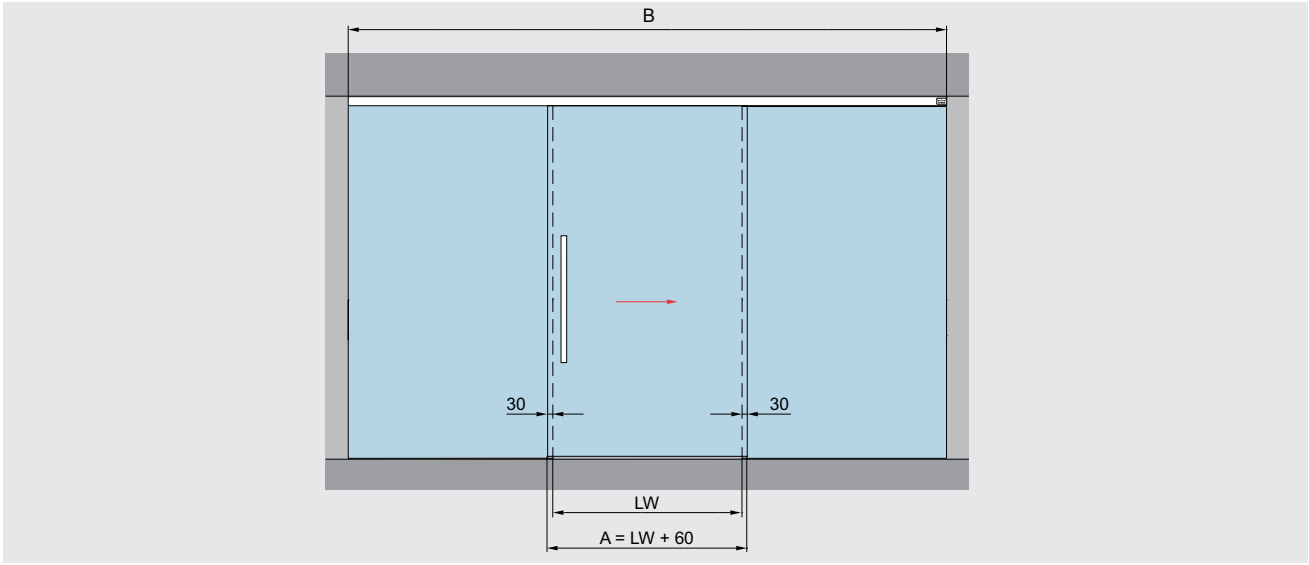
Type illustrations with side panel, on one side

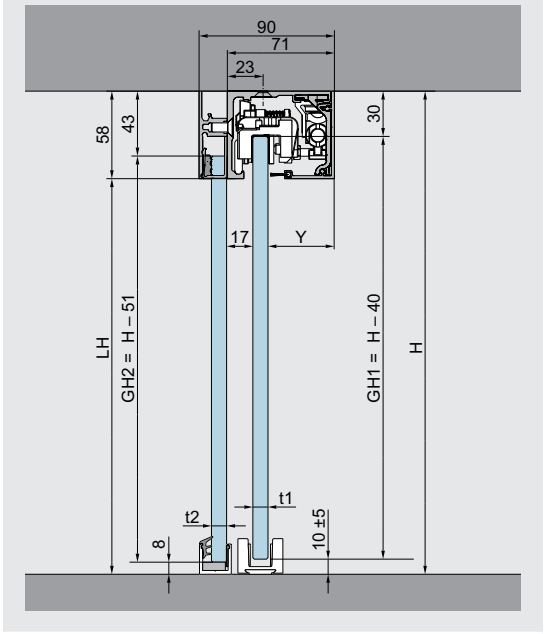


Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 80 kg **Calculation of glass height** GH1 = H – 40 mm GH2 = H – 51 mm max. 3,000 mm **Calculation of glass width** A = LW + 30 mm min. 660 mm max. 2,000 mm min. 660 mm with DORMOTION max. 2,000 mm with DORMOTION	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 = 71 mm – 17 mm – t1

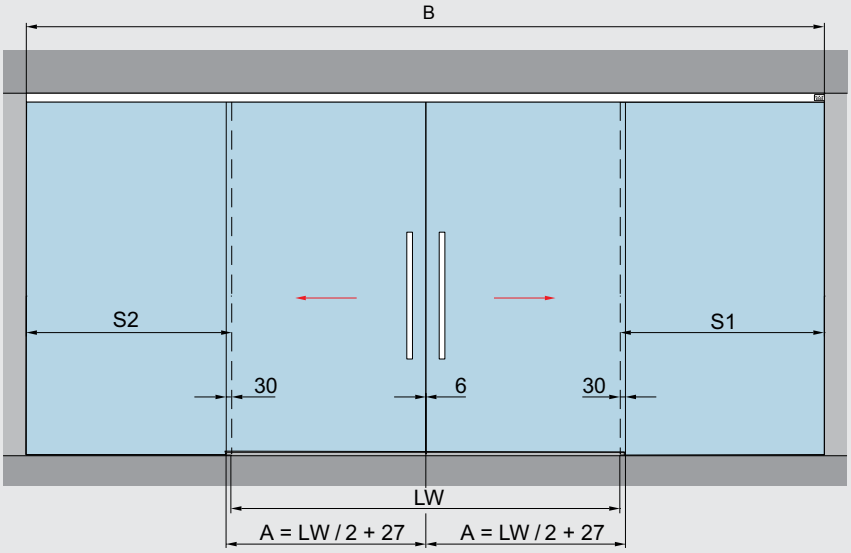
Type illustrations with sidelight on both sides

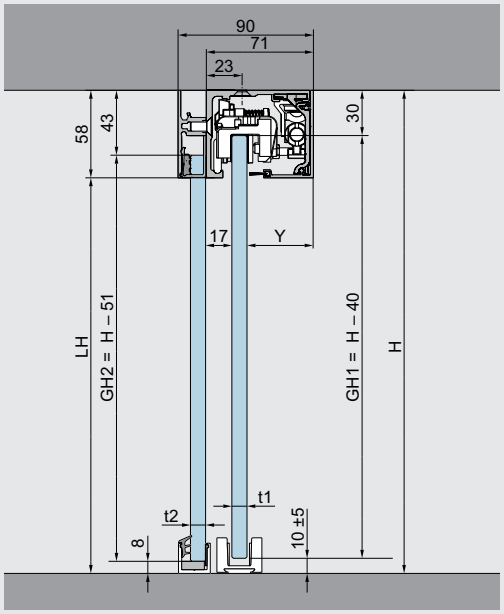


Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 80 kg **Calculation of glass height** GH1 = H – 40 mm GH2 = H – 51 mm max. 3,000 mm **Calculation of glass width** A = LW + 30 mm min. 660 mm max. 2,000 mm min. 660 mm with DORMOTION max. 2,000 mm with DORMOTION	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 = 71 mm – 17 mm – t1

Type illustrations with two door panels with sidelights

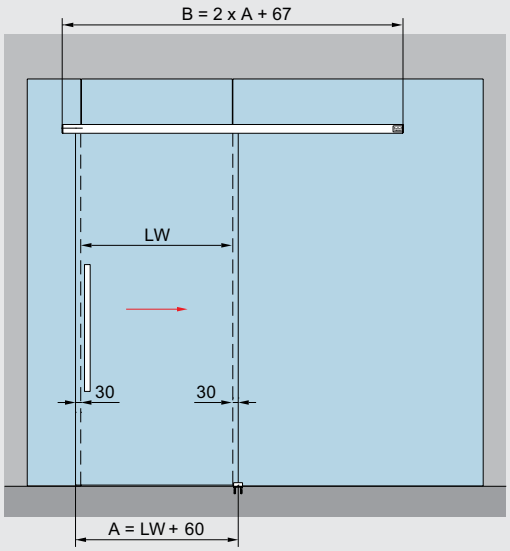


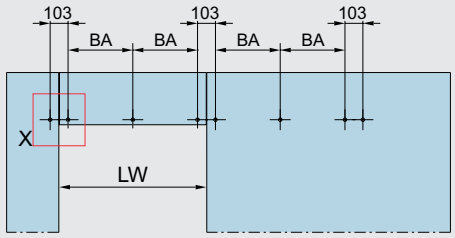
Fixed at ceiling	Product description	Glass thickness
	For installation with two door panels **Max. weight of door panels** 80 kg **Calculation of glass height** GH1 = H – 40 mm GH2 = H – 51 mm max. 3,000 mm **Calculation of glass width** A = LW / 2 + 27 mm min. 660 mm max. 2 x 1,250 mm min. 660 mm with DORMOTION max. 2 x 1,250 mm	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
t1 = Glass thickness sliding door
t2 = Glass thickness sidelight
Y = 71 mm – 17 mm – t1

Type illustrations glass installation



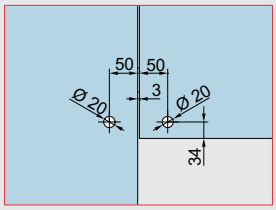


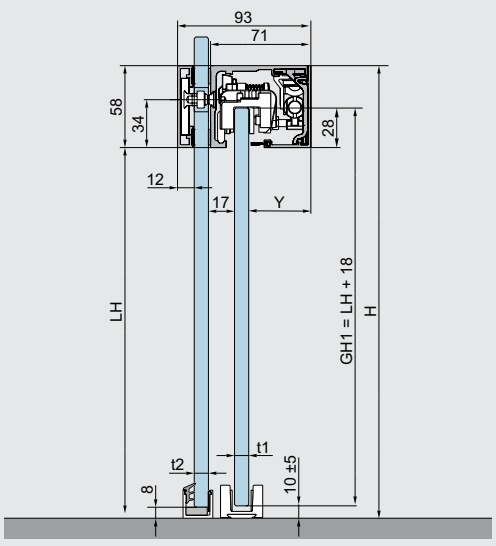
BA = 2 x (LW - 106) / T = mm

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

Calculation sample (LW = 700):
BA = 2 x (700 - 106)/4
= 297.0 mm

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

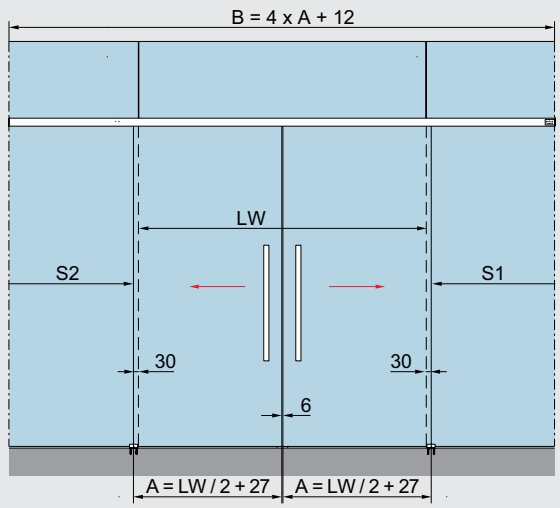
Glass preparation	Product description	Glass thickness
 Detail **X**	For installation with one door panel **Max. weight of door panels** 80 kg **Calculation of glass height** GH1 = LH + 18 mm max. 3,000 mm **Calculation of glass width** A = LW + 60 mm	8 – 13.5 mm

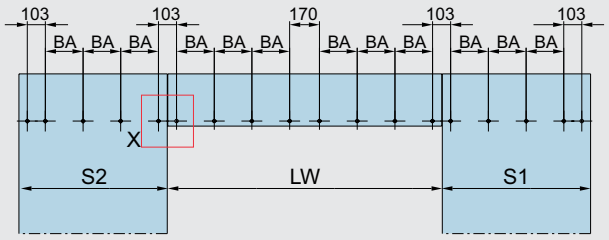
Fixed at glass	Product description	L 80
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.	

min. glass width without DORMOTION	660 mm
min. clear opening width without DORMOTION	600 mm
min. glass width with DORMOTION	660 mm
min. clear opening width with 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 with two door panels fixed at glass



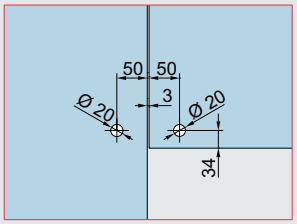


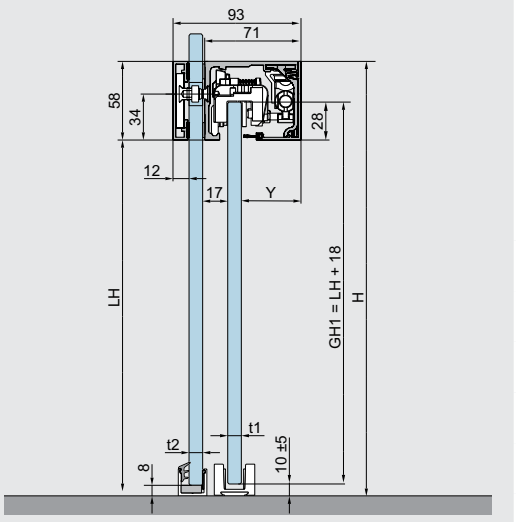
BA = 2 x (LW - 106–170) / T = mm

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

Calculation sample (LW = 1,400):
BA = 2 x (1,400 - 106 - 170)/8
= 281 mm

	T	AB
1,200 ≤ LW ≤ 1,500	8	14
1,501 ≤ LW ≤ 2,000	12	18
2,001 ≤ LW ≤ 2,900	16	22

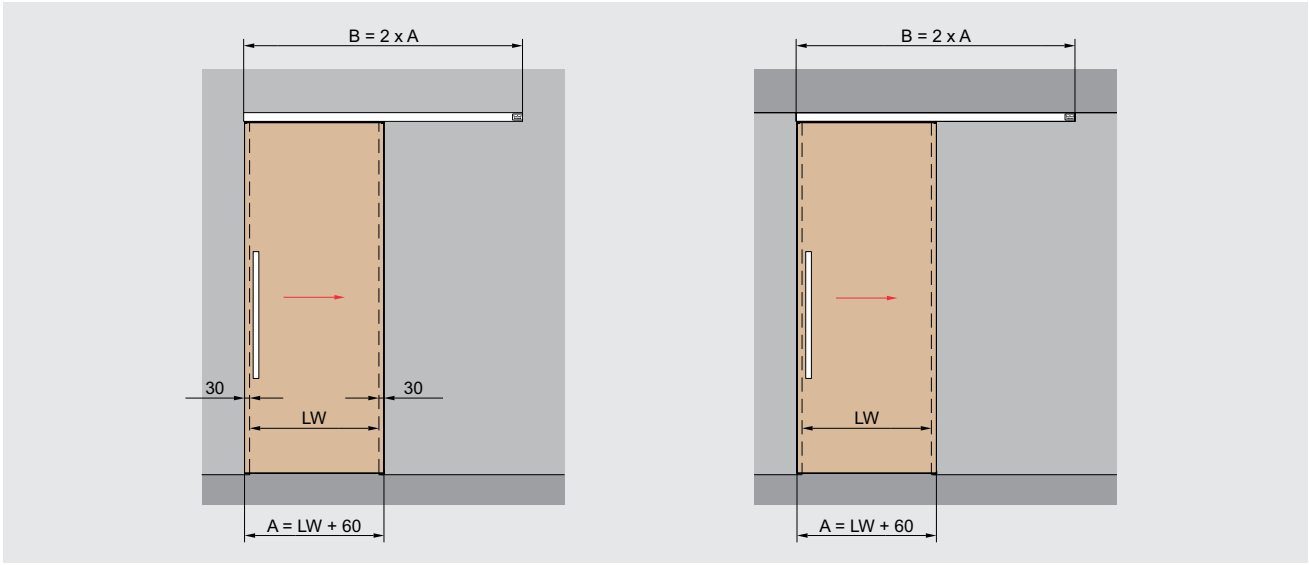
Glass preparation	Product description	Glass thickness
 Detail **X**	For installation with two panels **Max. weight of door panels** 80 kg **Calculation of glass height** GH1 = LH + 18 mm max. 3,000 mm **Calculation of glass width** A = LW / 2 + 27 mm	8 – 13.5 mm

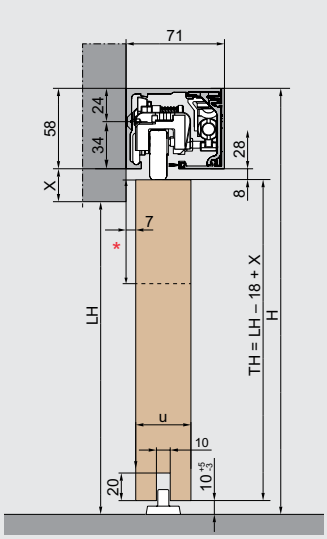
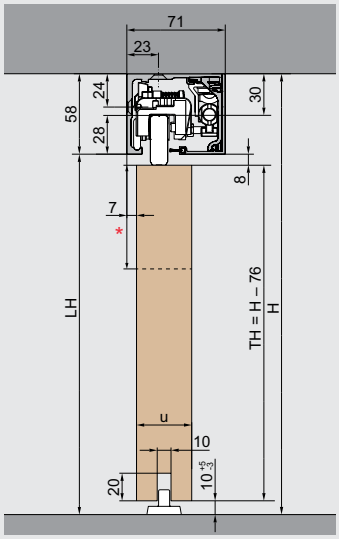
Fixed at glass	Product description	L 80
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.	

min. glass width without DORMOTION	660 mm
min. clear opening width without DORMOTION	1,270 mm
min. glass width with DORMOTION	660 mm
min. clear opening width with DORMOTION	1,270 mm
max. Glass width	1,250 mm
max. Clear opening width	2,450 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

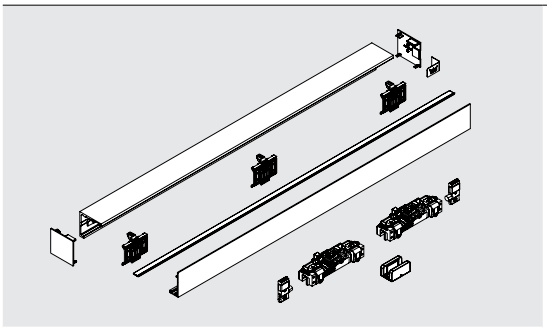
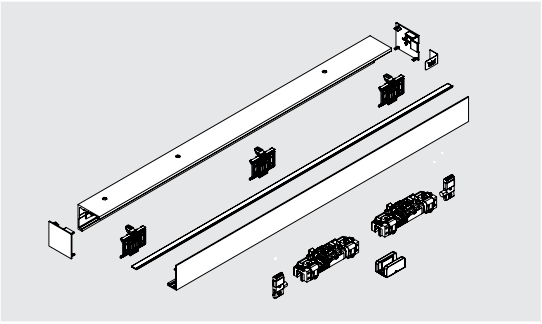


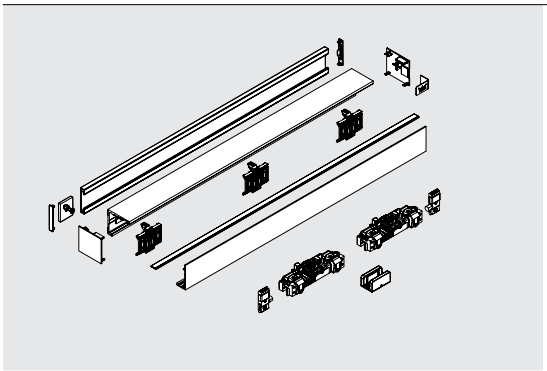
Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		For installation with one door panel **Max. weight of door panels** 80 kg **Calculation of door height fixed at wall** TH = LH – 18 + X mm max. 3,000 mm **Calculation of door height fixed at ceiling** TH = H – 76 mm max. 3,000 mm **Calculation of door width** A = LW + 60 mm min. 660 mm max. 2,000 mm max. 2,000 mm with DORMOTION	28–50 mm

* Timber door 100 mm, solid wood, for attachment to timber adapter.

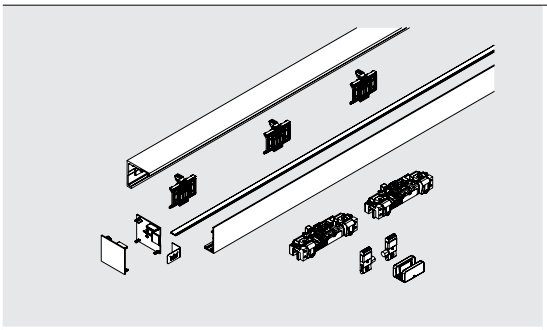
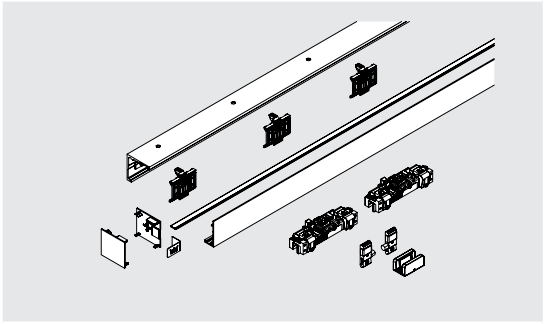
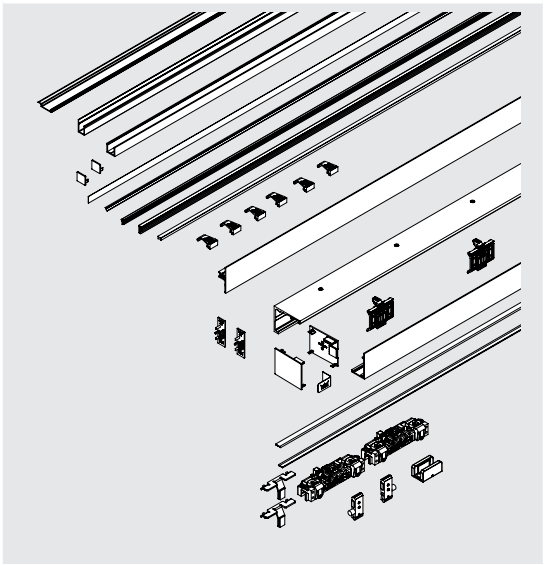
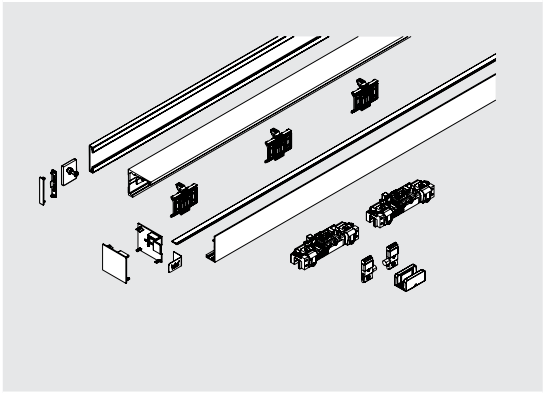
A = Glass width
B = Length of track
H = Total height
LH = Clear opening height
LW = Clear opening width
TH = Door height
u = Wood thickness
X = Freely selectable protrusion (depending on structural conditions)

Complete sets - defined lengths

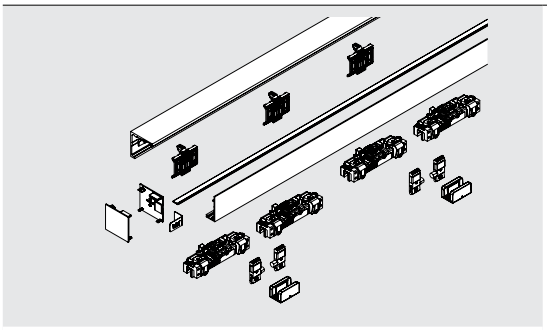
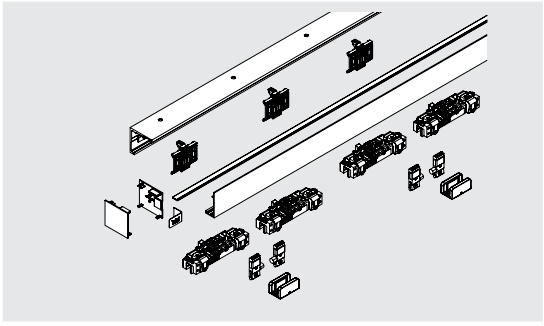
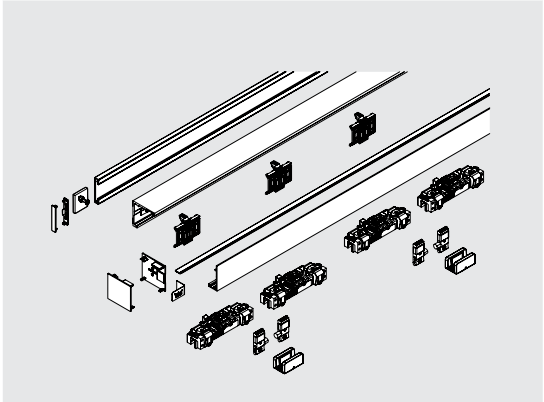
	Product description	Panel width	Profile length	Glass thickness	Art. No.
	**MUTO Comfort L 80 Set** for wall installation incl. track profile, cover profile and brushes, accessory set, end caps max. 80 kg	1,100 1,450	2,180 2,880	8 – 13.5 mm 8 – 13.5 mm	**36.300** **36.301**
	**MUTO Comfort L 80 Set** for ceiling installation incl. track profile, cover profile and brushes, accessory set, end caps max. 80 kg	1,100 1,450	2,180 2,880	8 – 13.5 mm 8 – 13.5 mm	**36.302** **36.303**

	Product description	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 35	1,050 1,250	1,110 1,310	2,287 2,687	8 – 13.5 mm 8 – 13.5 mm	**36.304** **36.305**

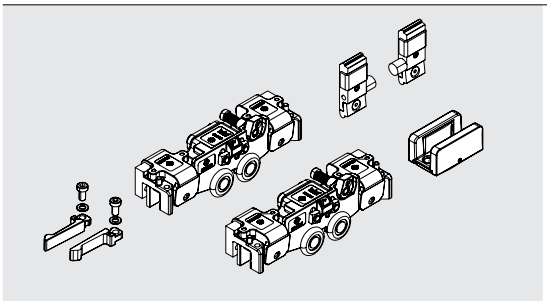
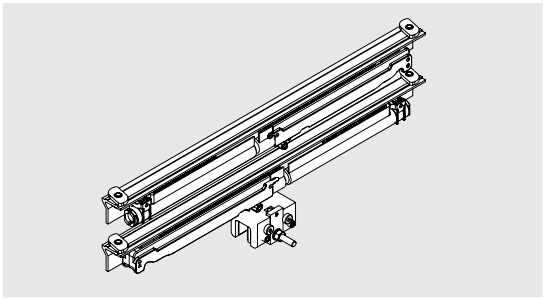
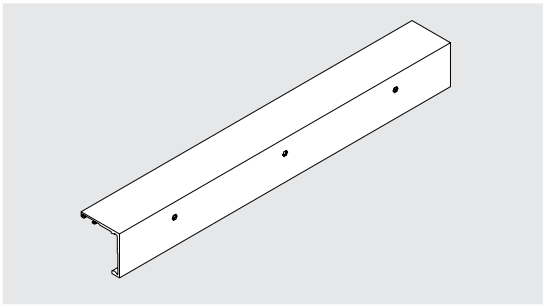
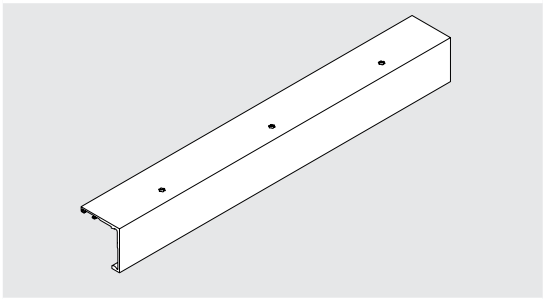
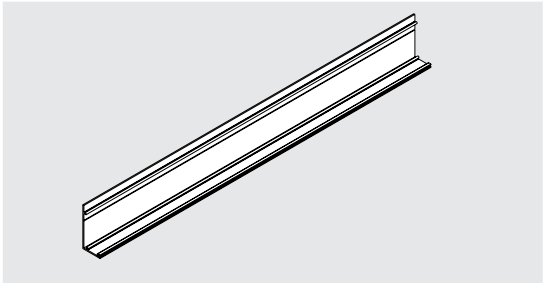
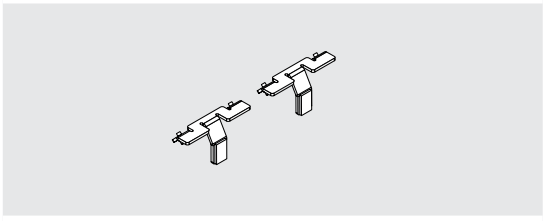
Complete sets - individual lengths

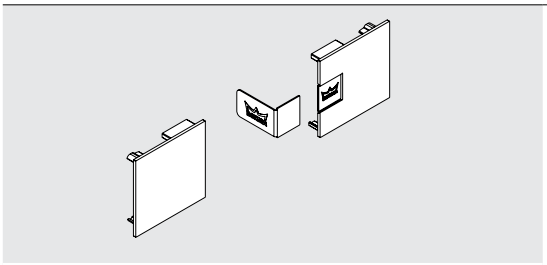
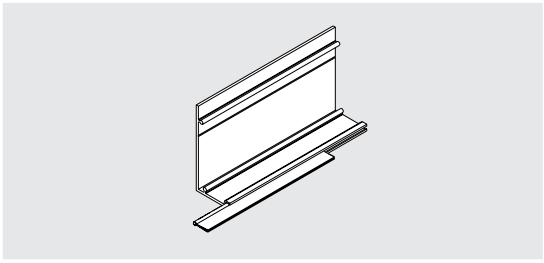
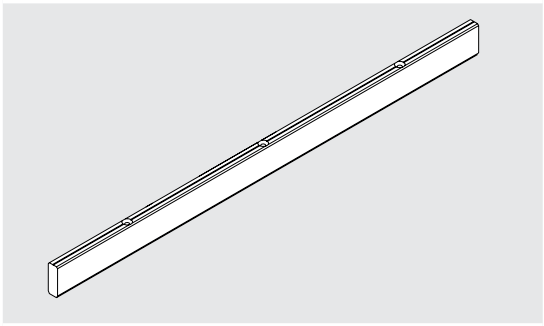
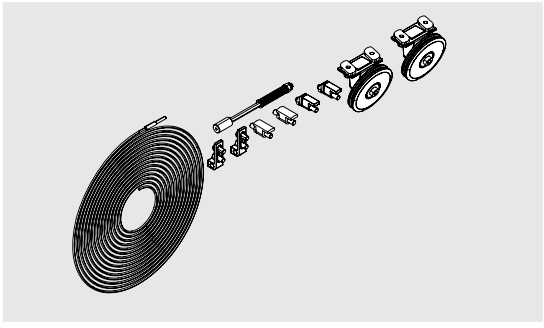
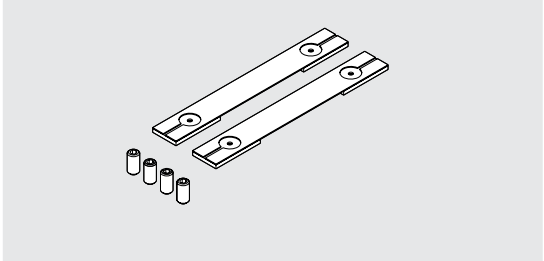
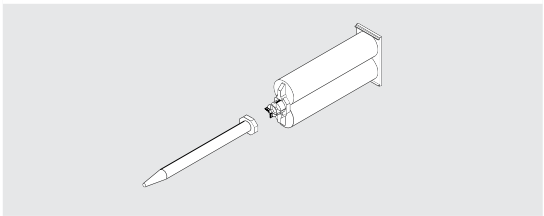
	Product description	Glass thickness	Art. No.
	**MUTO Comfort L 80 Set** for wall installation **Individual profile length** **up to max. 5,940 mm** incl. track profile, cover profile and brushes, accessory set, end caps max. 80 kg Please indicate clear opening width with order!	8 – 13.5 mm	**36.320**
	**MUTO Comfort L 80 Set** for ceiling installation **Individual profile length** **up to max. 5,940 mm** incl. track profile, cover profile and brushes, accessory set, end caps max. 80 kg Please indicate clear opening width with order!	8 – 13.5 mm	**36.321**
	**MUTO Comfort L 80** **Complete set** fixed at ceiling, sidelight **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 max. 80 kg Please indicate clear opening width with order!	8 – 13,5 mm	**36.306**
	**MUTO Comfort L 80 Set** for glass installation **Individual profile length** **up to max. 4,067 mm** incl. track profile, cover profile and brushes, counter profile, accessory set, end caps max. 80 kg Please indicate clear opening width with order! **Note:** Please take note of glass preparation on page 35	8 – 13.5 mm	**36.322**

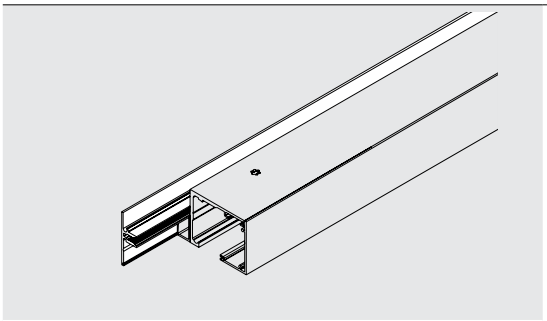
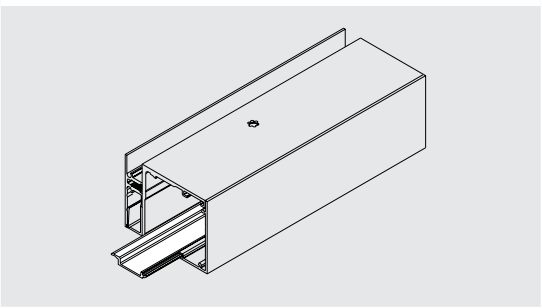
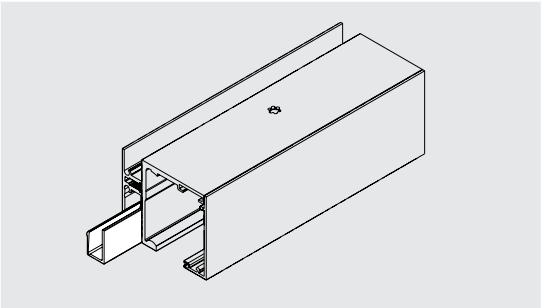
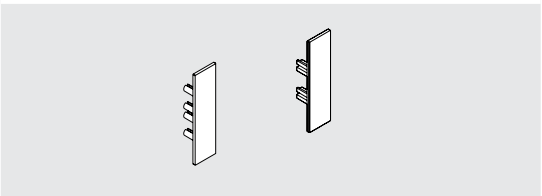
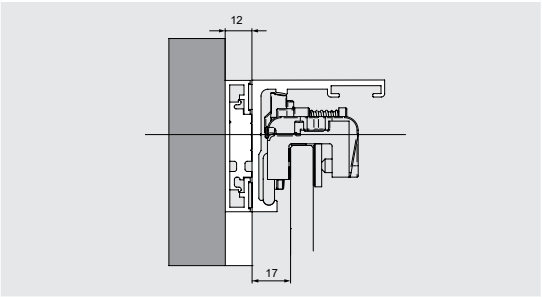
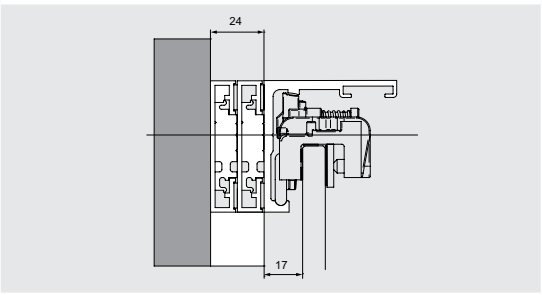
Complete sets – individual lengths with two door panels

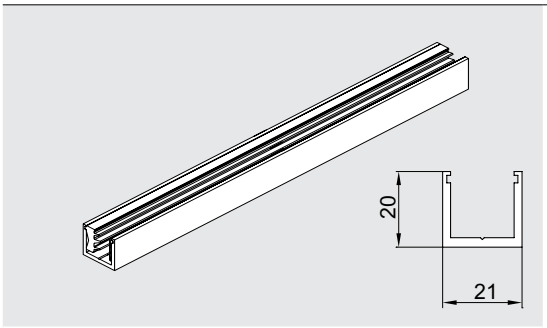
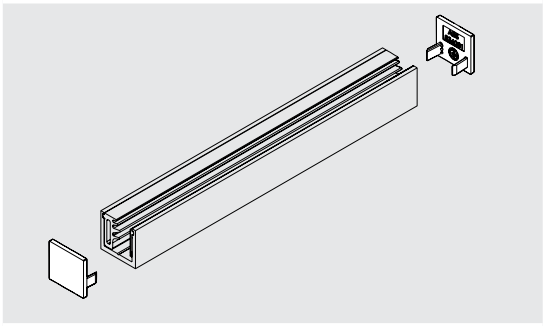
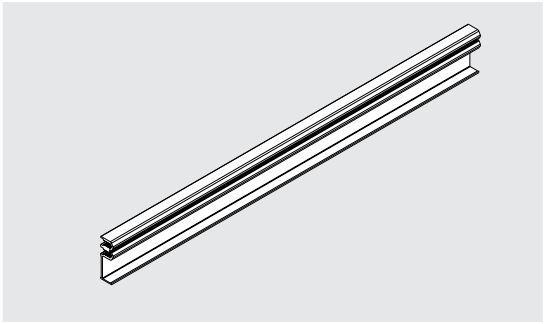
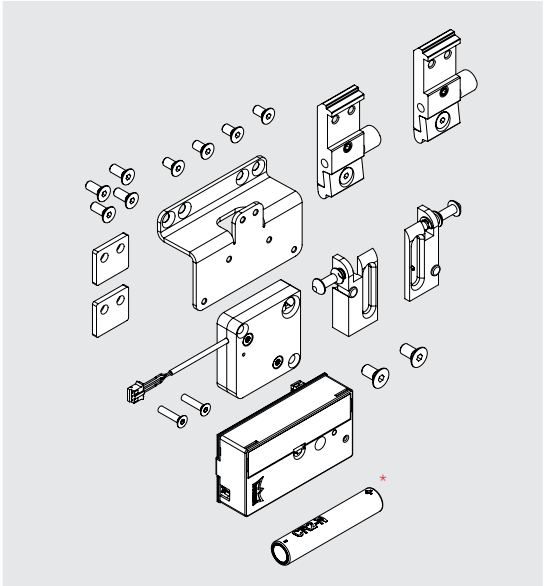
	Product description	Glass thickness	Art. No.
	**MUTO Comfort L 80** **Set for 2-panel door,** wall installation **Individual profile length up to max. 5,940 mm,** incl. track profile, cover profile and brushes, accessory sets, end caps max. 80 kg Please indicate clear opening width with order!	8 – 13.5 mm	**36.323**
	**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 max. 80 kg Please indicate clear opening width with order!	8 – 13.5 mm	**36.324**
	**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 max. 2 x 80 kg Please indicate clear opening width with order! **Note:** Please take note of glass preparation on page 35	8 – 13.5 mm	**36.325**

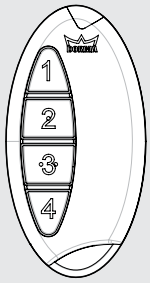
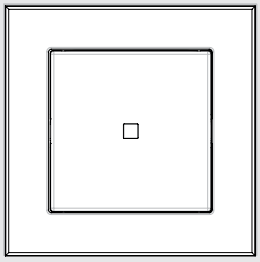
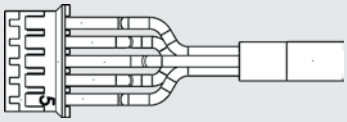
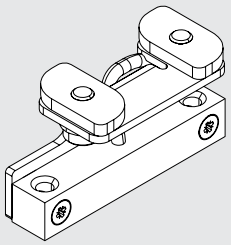
Component parts

	Product description	Art. No.
	**Accessory set** **Consisting of:** 2 Clamp carriers 2 Endstops 1 Floor guide	**36.349**
	**DORMOTION unit** Panel width min 660 mm, for max. 80 kg, incl. starter When using a DORMOTION damping unit, we recommend installation of a pull handle.	**36.361** **Optional**
	**Track rail** for wall installation stock length 6,000 mm fixed length	 **36.350** **36.351**
	**Track rail** for ceiling installation 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)** for installation ceiling installation between two walls	**36.890**

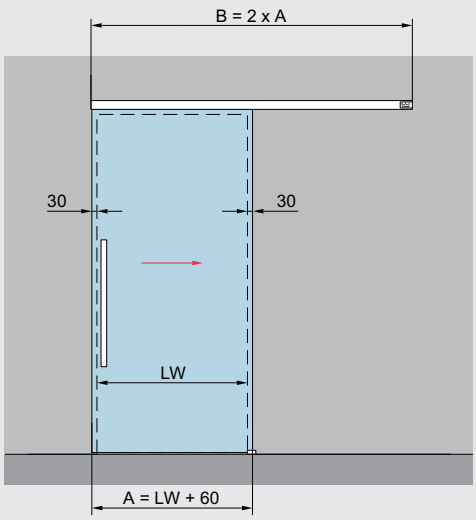
	Product description	Art. No.
	**MUTO Comfort L 80** **Set endcaps** for wall and ceiling installation	**36.354**
	**MUTO** **Brush profile set** for Comfort L and Premium XL **Consisting of:** 1 Brush profile 8 – 10 mm glass 1 brush profile 12 – 13.5 mm glass	**36.265**
	**MUTO Comfort L 80** **Timber adapter set** Profil 12.5 x 36 mm, incl. Accessories (with timber floor guide) 1,460 mm fixed length	 **36.261** **36.262**
	**MUTO Comfort L 80** **Synchro set** **Consisting of:** 1 Wire 2 Pulley Max. 80 kg per panel	**36.357** **Optional**
	**MUTO Comfort L 80** **LSG set** Accessory set for use with LSG for one pair of clamp carrier **Consisting of:** 2 Gaskets 4 Injector screw Please order the LSG glue 07.631 separately	**36.270**
	**Special adhesive for use with LSG**	**07.631**

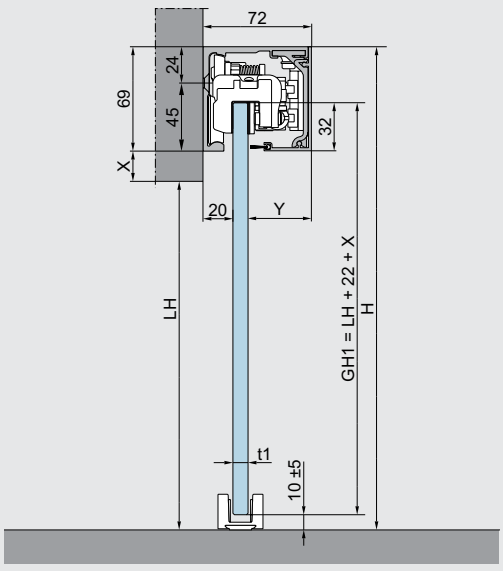
	Product description	Art. No.
	**MUTO Comfort M 60 + L 80** **Side light profile** 58 mm height, with gaskets, for 8 – 13.5 mm glass When installing between two walls, please give particular attention to the width of the end covers (each 2 mm). stock length 6,000 mm fixed length	 **36.271** **36.274**
	**MUTO** **Filling profile** for Comfort L, Premium XL and Self-Closing, for side light profile stock length 6,000 mm fixed length	 **36.800** **36.801**
	**MUTO** **Filling profile** for Comfort M + L, Premium XL and Self-Closing, stock length 6,000 mm fixed length	 **36.802** **36.803**
	**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.)	**36.273**
	**MUTO Comfort - balance profile set** 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length	**36.872**
	**MUTO Comfort - balance profile set** 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length	**36.873**

	Product description	Glass thickness	Art. No.
	**MUTO** **Floor profile** for Comfort M + L and Premium XL, for fixing side light, with gaskets, incl. end caps	8 – 13.5 mm	
	stock length 6,000 mm		**36.810**
	fixed length		**36.811**
	**MUTO** **End caps (2 pieces)** for Comfort M + L and Premium XL, for Floor profile, for fixing side light		**36.812**
	**MUTO Comfort** Connecting profile for false ceiling, incl. accessory set		
	stock length 6,000 mm		**36.821**
	fixed length		**36.820**
	To be bolted on site to the track rail.		
	**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		**36.843**
	*** Battery** for re-ordering		**38.845**

	Product description	Art. No.
	**MUTO** **Radio remote control** for Comfort L, Premium XL and Self-Closing, 1 Radio remote control 1 Battery	**36.848**
	**MUTO** **Wall switch with radio remote control** for Comfort L, Premium XL and Self-Closing, 1 Wall switch 1 Battery	**36.849**
	**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** **Status indicator set** for Comfort L and Premium XL **Consisting of:** 1 Sensor 1 Adapter for track reception 1 Cable	**36.840**

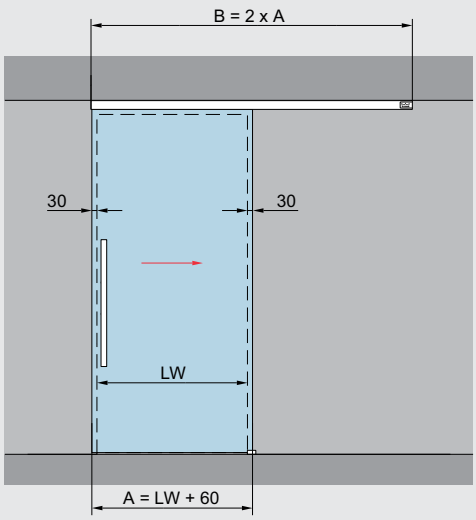
Type illustrations wall installation

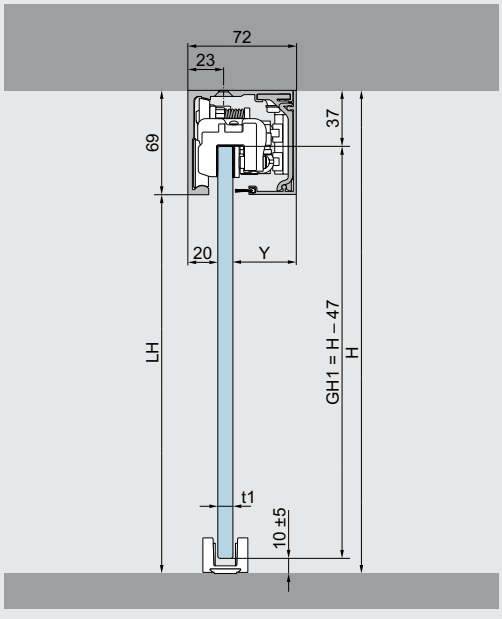


Fixed at wall	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 80 kg 150 kg **Calculation of glass height** GH1 = LH + 22 + X mm max. 3,000 mm **Calculation of glass width** A = LW + 60 mm min. 810 mm for Premium XL 80 min. 1,020 mm for Premium XL 150 max. 2,500 mm max. 2 x 1,470 mm	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
X = Freely selectable protrusion (depending on structural conditions)

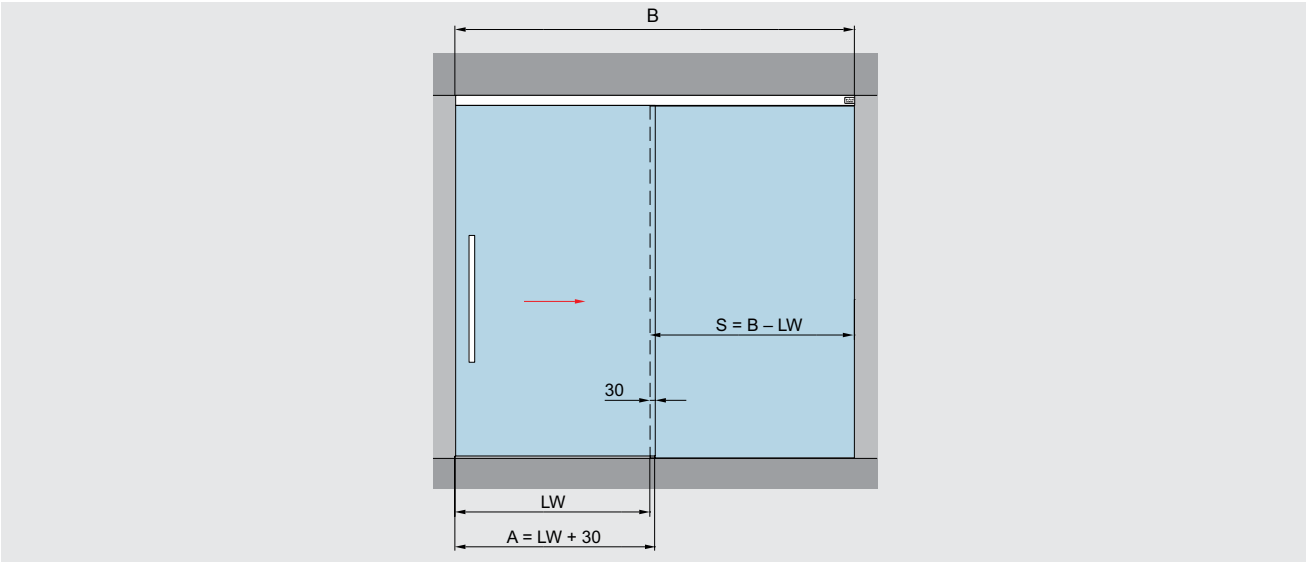
Type illustrations ceiling installations

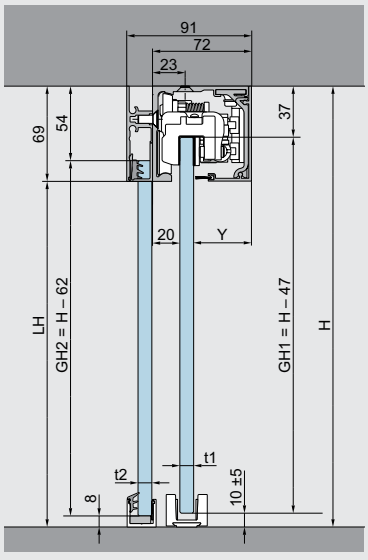
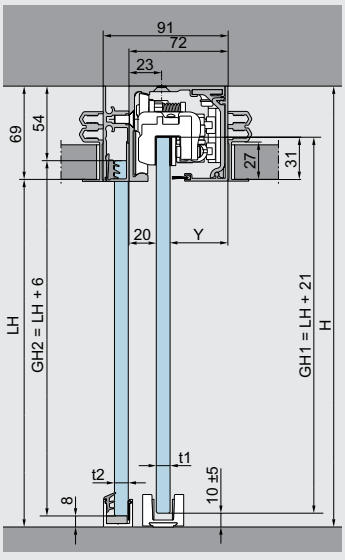


Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 80 kg 150 kg **Calculation of glass height** GH1 = H – 47 mm max. 3,000 mm **Calculation of glass width** A = LW + 60 mm min. 810 mm for Premium XL 80 min. 1,020 mm for Premium XL 150 max. 2 x 1,470 mm	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

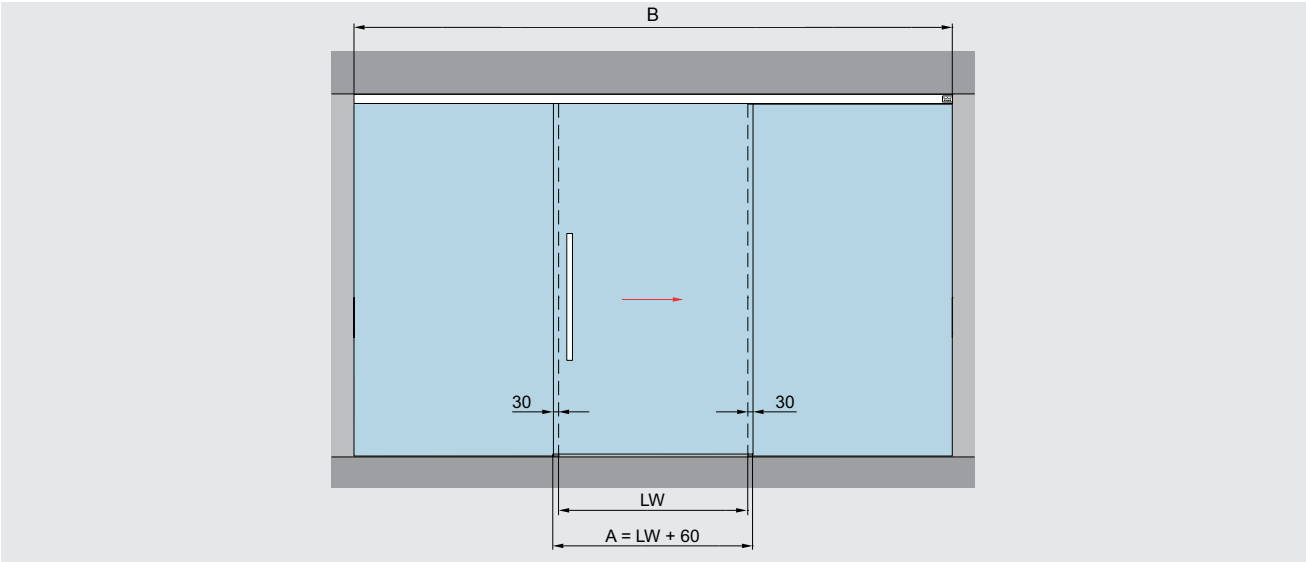
Type illustrations with sidelight, on one side

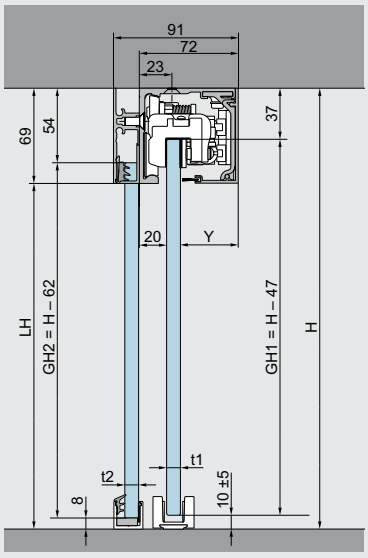
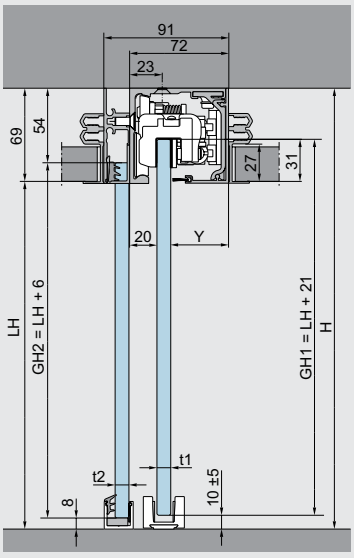


Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		For installation with one door panel **Max. weight of door panels** 80 kg 150 kg **Calculation of glass height for installation at ceiling** GH1 = H – 47 mm GH2 = H – 62 mm max. 3,000 mm **Calculation of glass height for installation at false ceiling** GH1 = LH + 21 mm GH2 = LH + 6 mm max. 3,000 mm **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	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

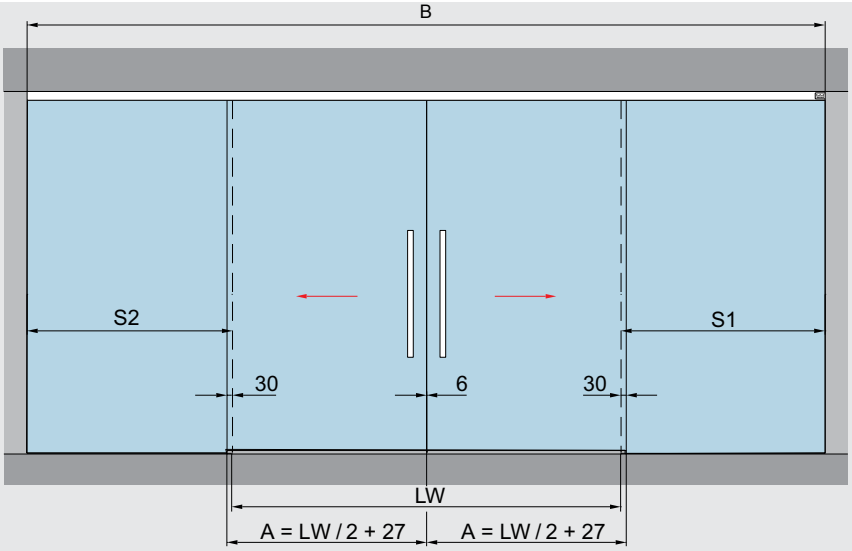
Type illustrations with sidelight, on both sides

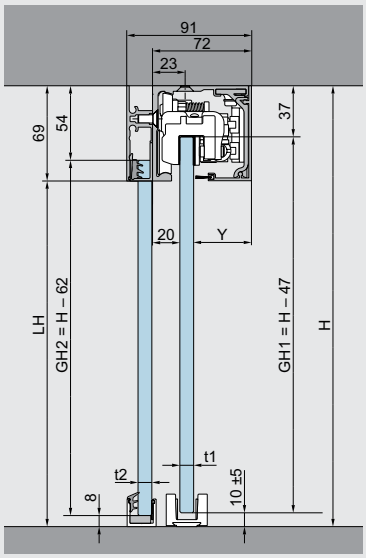
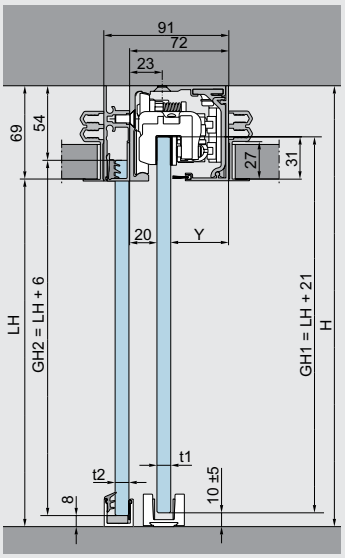


Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		For installation with one door panel **Max. weight of door panels** 80 kg 150 kg **Calculation of glass height for installation at ceiling** GH1 = H – 47 mm GH2 = H – 62 mm max. 3,000 mm **Calculation of glass height for installation at false ceiling** GH1 = LH + 21 mm GH2 = LH + 6 mm max. 3,000 mm **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	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
t1 = Glass thickness sliding door
t2 = Glass thickness sidelight
Y = 72 mm – 20 mm – t1

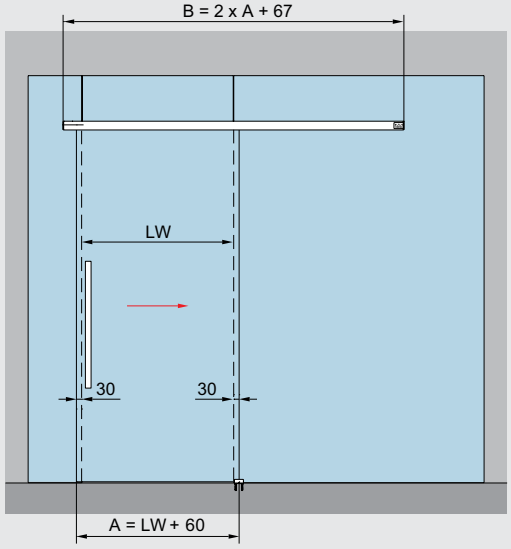
Type illustrations with two door panels with sidelights

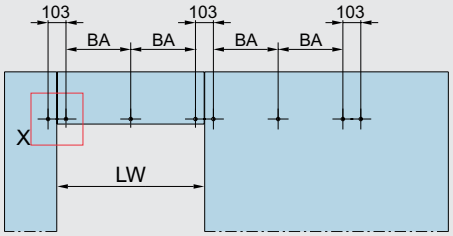


Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		For installation with two door panels with sidelights **Max. weight of door panels** 80 kg 150 kg **Calculation of glass height for installation at ceiling** GH1 = H – 47 mm GH2 = H – 62 mm max. 3,000 mm **Calculation of glass height for installation at false ceiling** GH1 = LH + 21 mm GH2 = LH + 6 mm max. 3,000 mm **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	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
t1 = Glass thickness sliding door
t2 = Glass thickness sidelight
Y = 72 mm – 20 mm – t1

Type illustrations glass installation



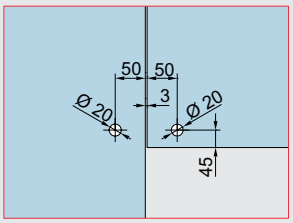


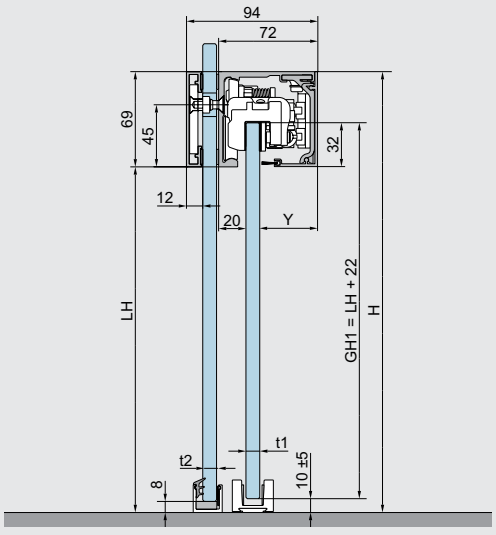
BA = 2 x (LW - 106) / T = mm

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

Calculation sample (LW = 750):
BA = 2 x (750 - 106) / 4
= 322 mm

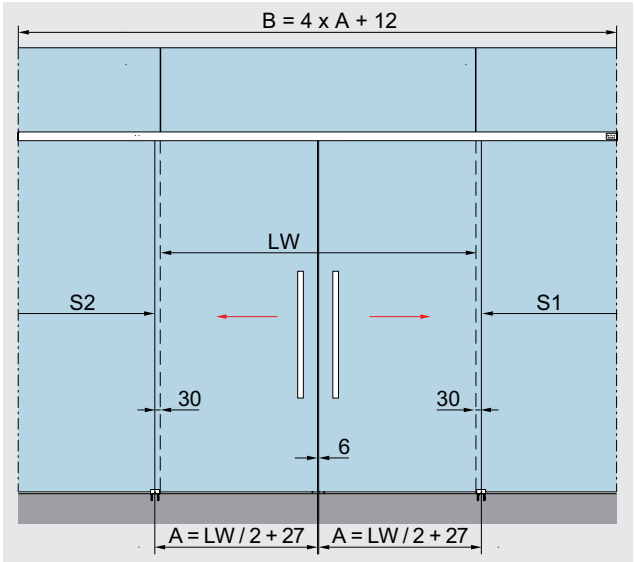
	T	AB
600 ≤ LW ≤ 800	4	8
801 ≤ LW ≤ 1,000	6	10
1,001 ≤ LW ≤ 1,200	8	12
1,201 ≤ LW ≤ 1,500	10	14
1,501 ≤ LW ≤ 2,000	12	16
2,001 ≤ LW ≤ 2,500	14	18

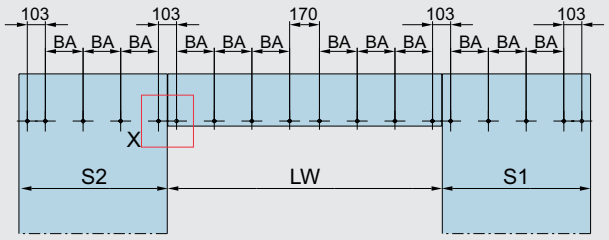
Glass preparation	Product description	Glass thickness
 Detail **X**	For installation with one door panel **Max. weight of door panels** 80 kg, 150 kg **Calculation of glass height** GH = LH + 22 mm, max. 3,000 mm **Calculation of glass width** A = LW + 60 mm min. 810 mm for Premium XL 80, min. 1,020 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



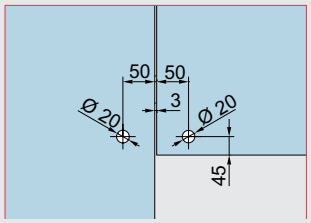


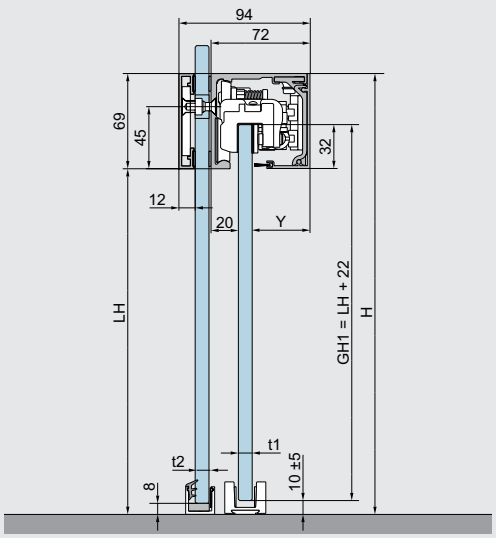
*BA = 2 x (LW - 106–170) / T = mm

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

Calculation sample (LW = 1,570):
BA = 2 x (1,570 - 106 - 170) / 12
= 216 mm

	T	AB
1,200 ≤ LW ≤ 1,500	8	14
1,501 ≤ LW ≤ 2,000	12	18
2,001 ≤ LW ≤ 2,900	16	22

Glass preparation	Product description	Glass thickness
 Detail **X**	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

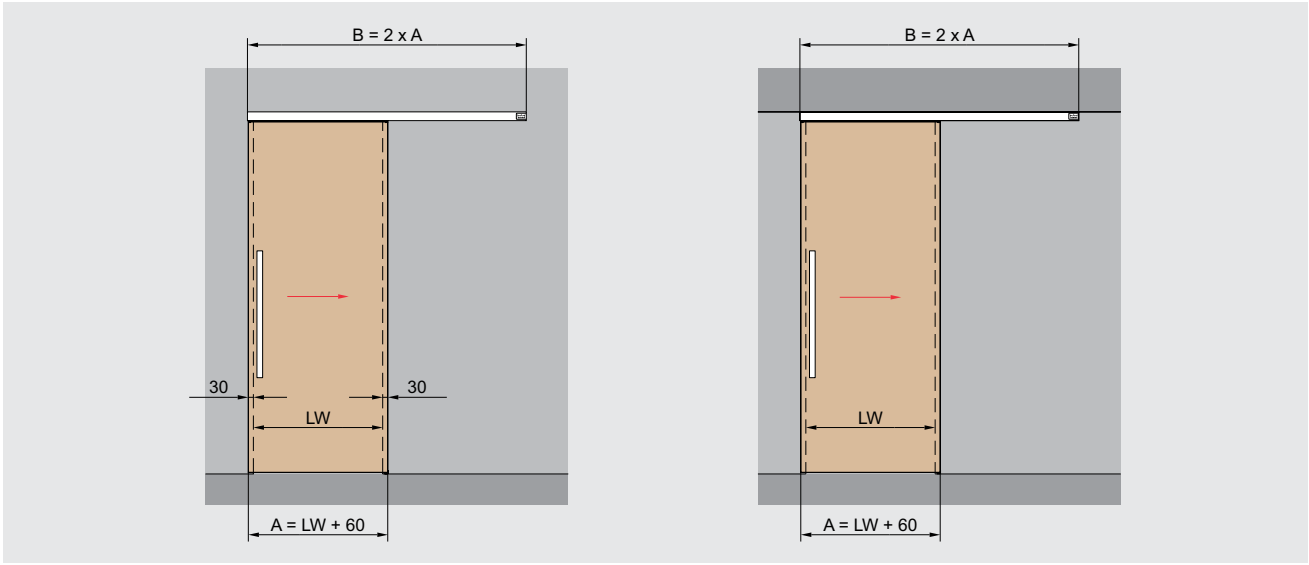
Fixed at glass	Product description	XL 80	XL 150
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.		

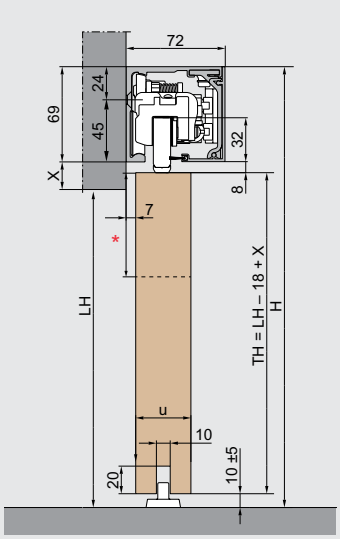
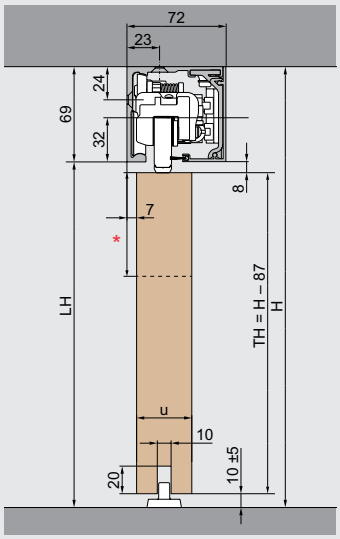
MUTO Premium

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
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

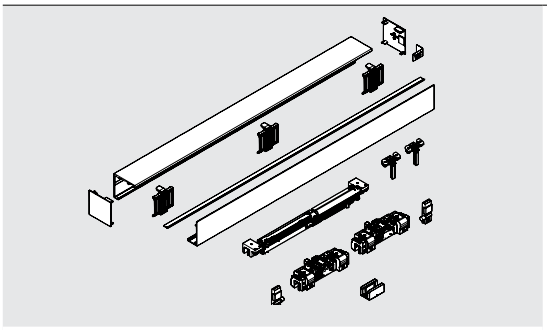
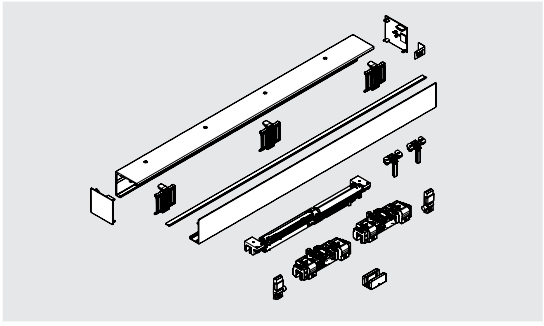


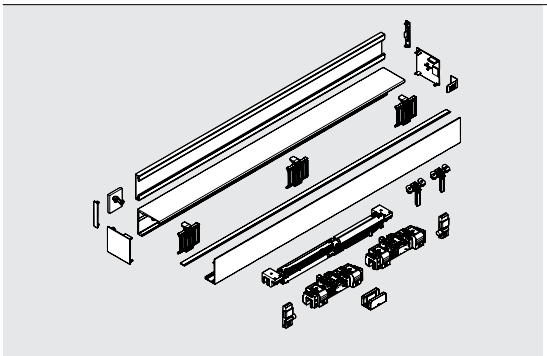
Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		For installation with one door panel **Max. weight of door panels** 80 kg 150 kg **Calculation of door height fixed at wall** TH = LH – 18 + X mm max. 3,000 mm **Calculation of door height fixed at ceiling** TH = H – 87 mm max. 3,000 mm **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	28 – 50 mm

* Timber door 100 mm, solid wood, for attachment to timber adapter.

A = Glass width
B = Length of track
H = Total height
LH = Clear opening height
LW = Clear opening width
TH = Door height
u = Wood thickness
X = Freely selectable protrusion (depending on structural conditions)

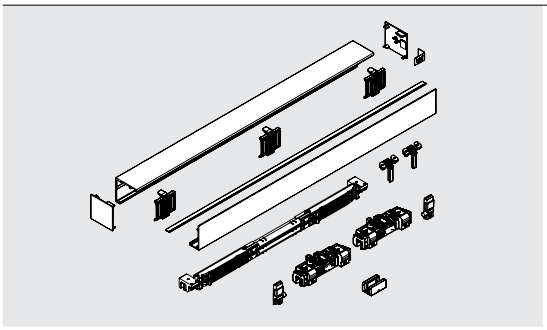
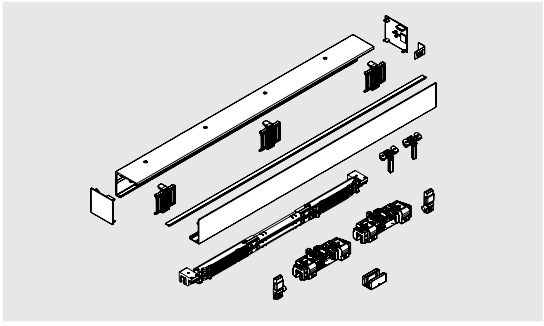
Complete sets – defined lengths

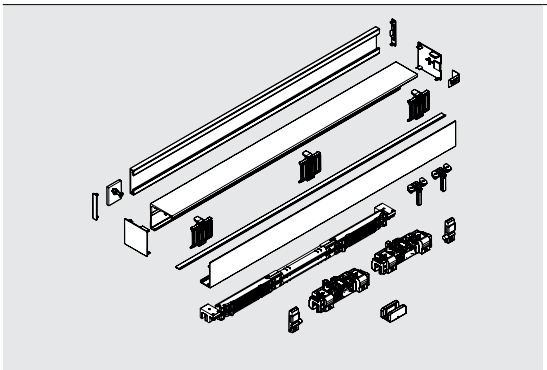
	Product description	Panel width	Profile length	Glass thickness	Art. No.
	**MUTO Premium XL 80 Set** for wall installation incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps max. 80 kg	900 1,200 1,450	1,780 2,380 2,880	8 – 13.5 mm 8 – 13.5 mm 8 – 13.5 mm	**36.500**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

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

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

Note: Please take note of glass preparation on page 51

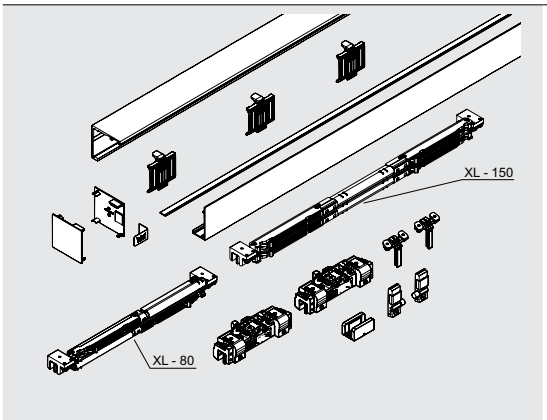
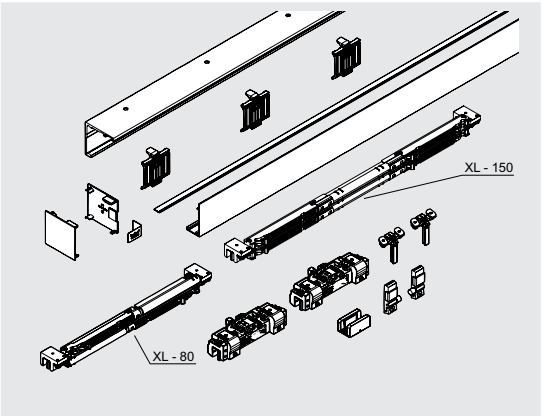
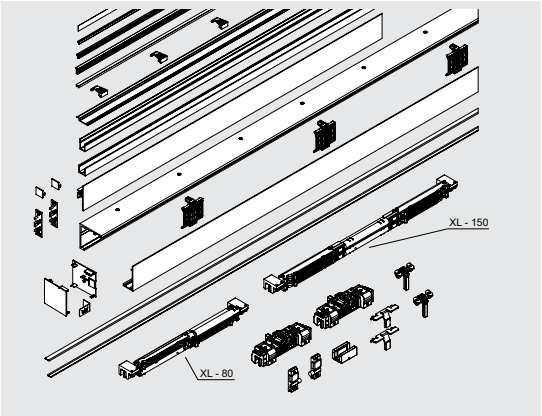
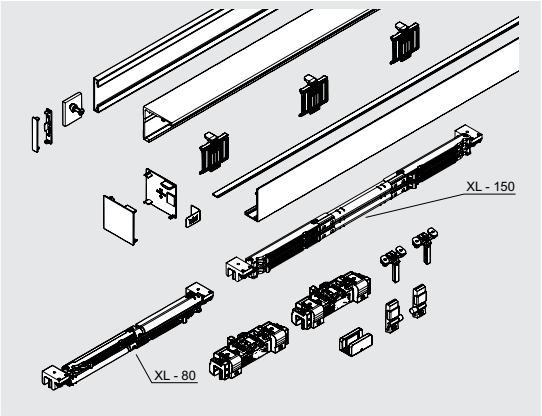
	Product description	Panel width	Profile length	Glass thickness	Art. No.
	**MUTO Premium XL 150 Set** for wall installation incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps max. 150 kg	1,250 1,450	2,480 2,880	8 – 13.5 mm 8 – 13.5 mm	**36.509** **36.510**
	**MUTO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

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

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

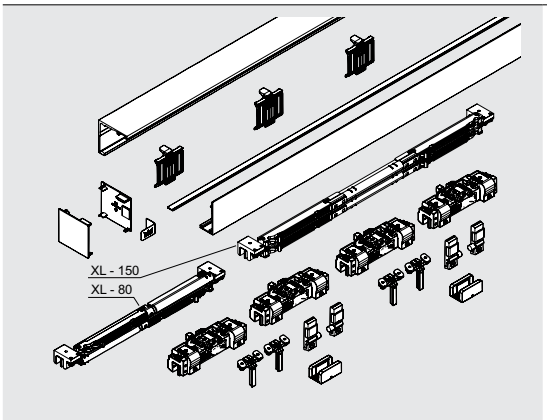
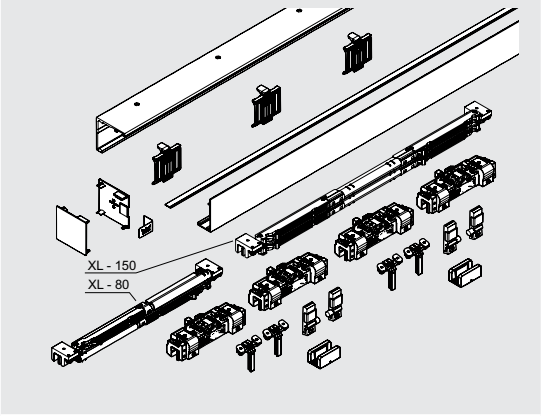
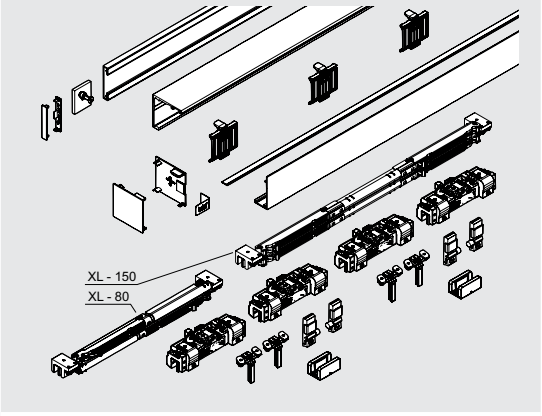
Note: Please take note of glass preparation on page 52

Complete sets – individual lengths

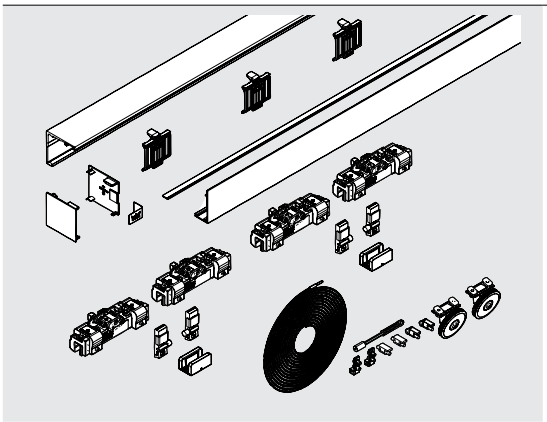
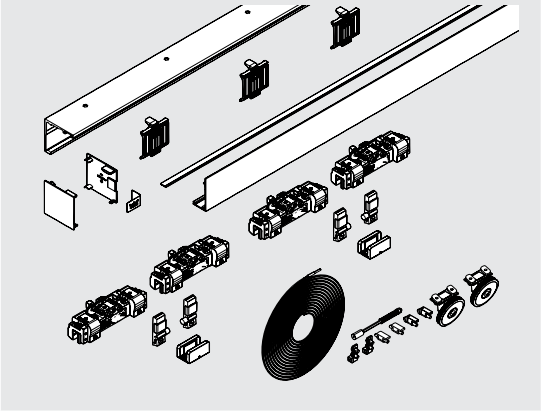
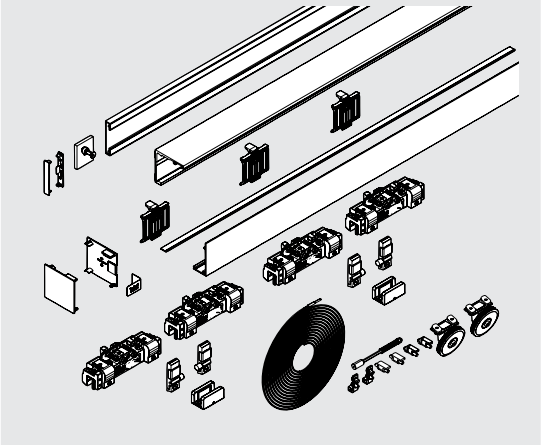
	Product description	Glass thickness	Art. No.
	**MUTO Premium XL 80/150 Set** for wall installation **Individual profile length** **up to max. 5,940 mm** incl. track profile, cover profile and brushes, DORMOTION unit*, accessory set, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 2,500 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.
Note: Please take note of glass preparation on page 51

Complete sets – individual lengths, with two door panels

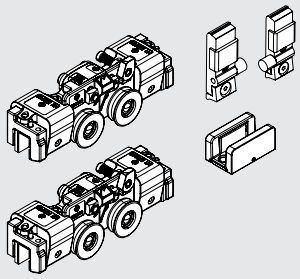
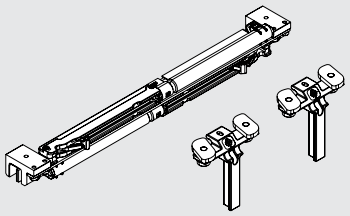
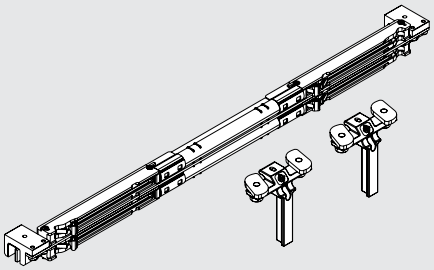
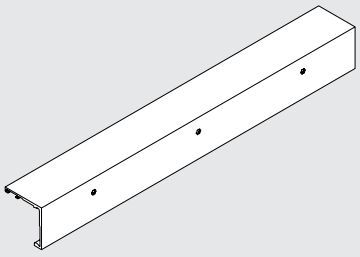
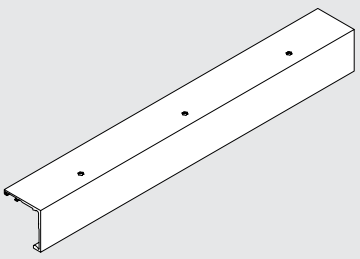
	Product description	Glass thickness	Art. No.
	**MUTO Premium XL 80/150 Set** for wall installation (with two door panels) **Individual profile length** **up to max. 5,940 mm** incl. track profile, cover profile and brushes, DORMOTION unit*, accessory sets, end caps		
	incl. DORMOTION XL – 80 max. 80 kg/min. 810 mm/max. 1,470 mm	8–13.5 mm	**36.526**
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 1,470 mm	8–13.5 mm	**36.527**
	**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**
	incl. DORMOTION XL – 150 max. 150 kg/min. 1,020 mm/max. 1,470 mm	8–13.5 mm	**36.529**
	**MUTO Premium XL 80/150 Set** for glass installation (with two door panels) **Individual profile length** **up to max. 5,900 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**

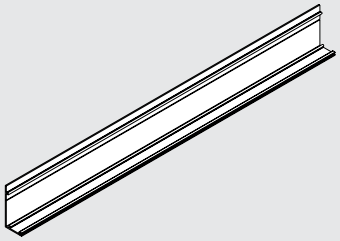
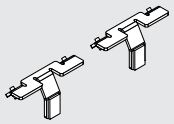
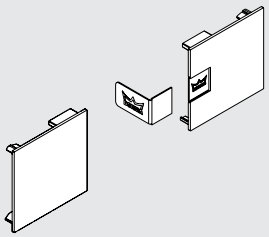
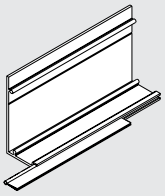
*When using a DORMOTION damping unit, we recommend installation of a pull handle.
Note: Please take note of glass preparation on page 52

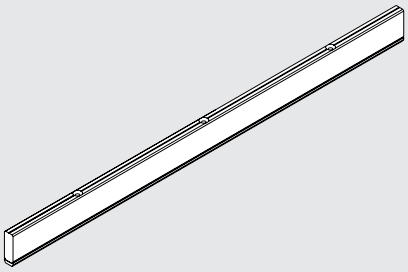
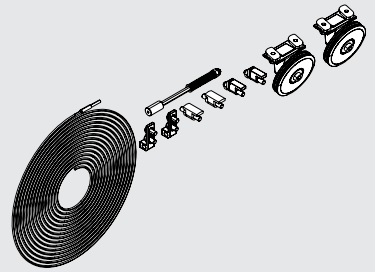
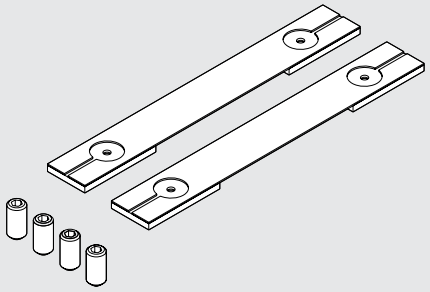
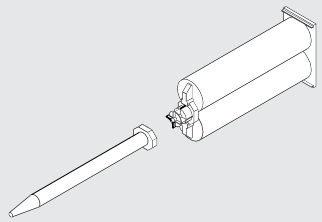
	Product description	Glass thickness	Art. No.
	**Comfort XL Synchro Set for 2-panel door,** wall installation, fixed length without DORMOTION Profile length xxxx mm* (max. 5,000 mm) Min. panel width 660 mm Max. panel width 1,470 mm Incl. track profile, cover profile and brushes	8–13.5 mm	**36.532**
	**Comfort XL Synchro Set for 2-panel door,** ceiling installation, fixed length without DORMOTION Profile length xxxx mm* (max. 5,000 mm) Min. panel width 660 mm Max. panel width 1,470 mm Incl. track profile, cover profile and brushes Complete accessories for 8 – 13.5 mm glass thickness	8–13.5 mm	**36.533**
	**Comfort XL Synchro Set for 2-panel door,** glass installation, fixed length without DORMOTION clear opening width xxxx mm* (max. 5,092 mm) Min. panel width 660 mm (min. LW 1,266 mm) Max. panel width 1,470 mm (max. LW 2,886 mm) Incl. track profile, cover profile, counter profile and brushes	8–13.5 mm	**36.534**

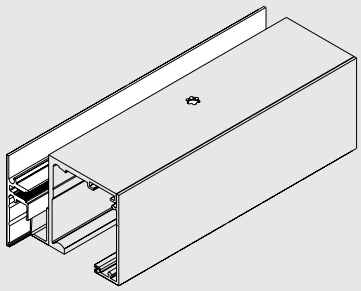
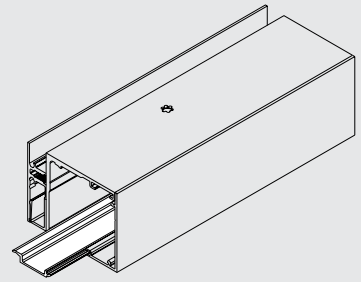
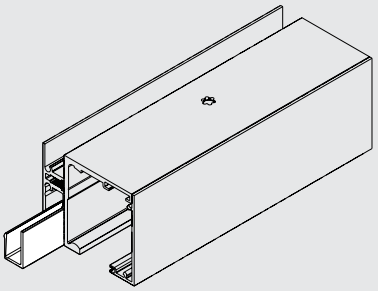
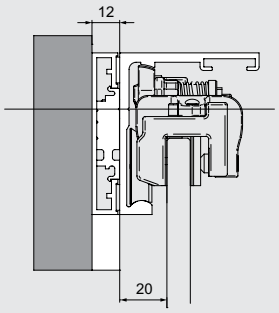
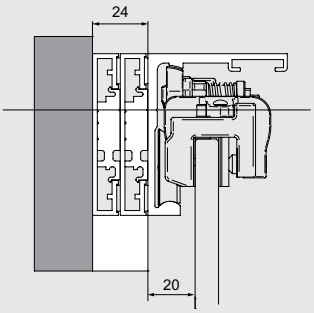
* to be defined by customer

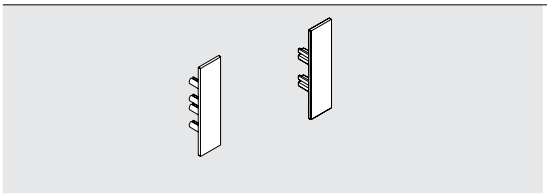
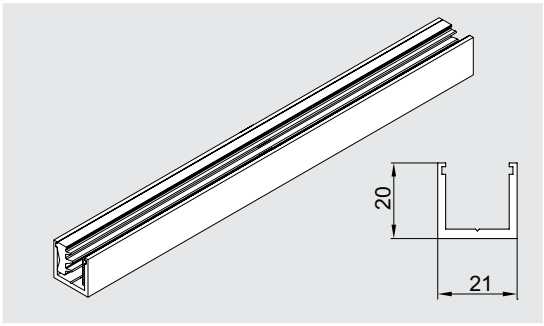
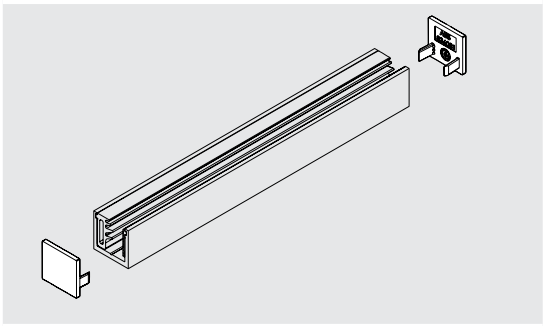
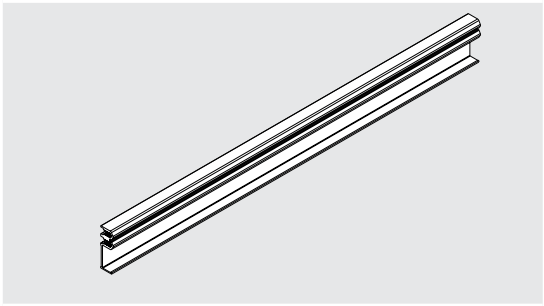
Component parts

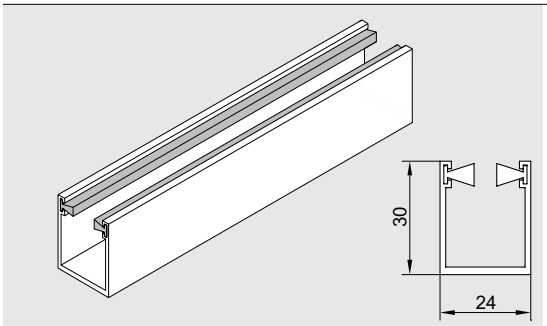
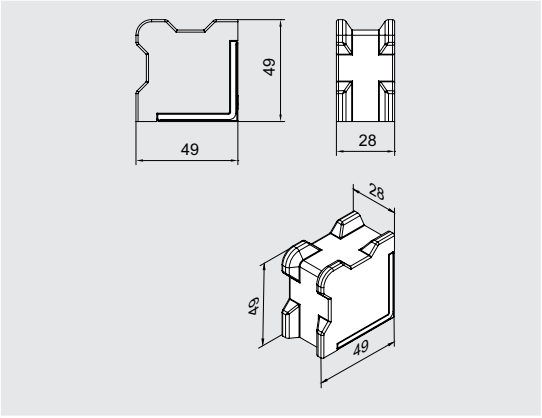
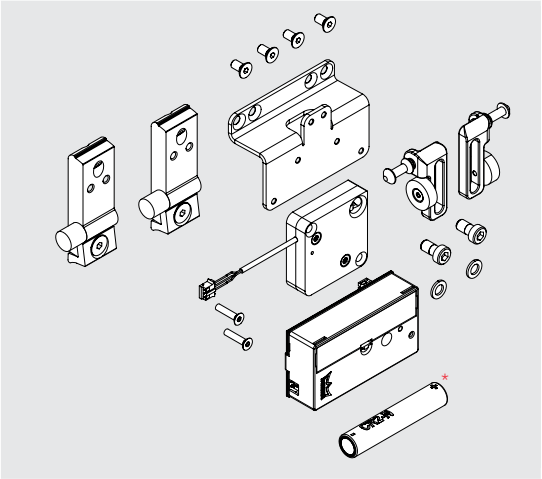
	Product description	Art. No.
	**MUTO Premium XL 80/150** **Accessory set** **Consisting of:** 2 Clamp carriers 2 Endstops 1 Floor guide	**36.550**
	**MUTO Premium XL 80** **DORMOTION unit** Panel width min. 810 mm for max. 80 kg, incl. starter When using a DORMOTION damping unit, we recommend installation of a pull handle.	**36.557**
	**MUTO Premium XL 150** **DORMOTION unit** Panel width min. 1,020 mm for max. 150 kg, incl. starter When using a DORMOTION damping unit, we recommend installation of a pull handle.	**36.558**
	**MUTO Premium XL 80/150** **Track rail DORMOTION** Fixed at wall stock length 6,000 mm fixed length	 **36.552** **36.553**
	**MUTO Premium XL 80/150** **Track rail DORMOTION** Fixed at ceiling stock length 6,000 mm fixed length	 **36.554** **36.555**

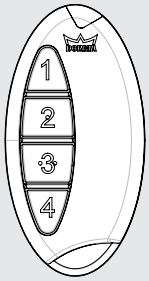
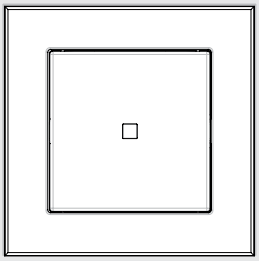
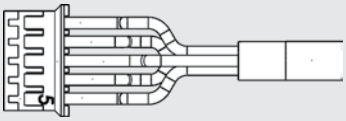
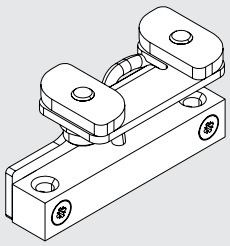
	Product description	Art. No.
	**MUTO Premium XL 80/150** **Cover profile** stock length 6,000 mm fixed length	 **36.566** **36.567**
	**MUTO spacer (2 pieces)** for installation at ceiling between two walls	**36.890**
	**MUTO Premium XL 80/150** **Set endcaps** for wall and ceiling installation	**36.556**
	**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	**36.265**

	Product description	Art. No.
	**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) 1,460 mm fixed length max. 2,500 mm Please indicate the panel width with your order!	 **36.461** **36.464**
	**MUTO Premium XL 80/150** **Synchro set** **Consisting of:** 1 wire 2 pulley Max. 80 kg per panel	**36.560** **Optional**
	**MUTO Premium XL 80/150** **LSG-Set** Accessory set for use with LSG for one pair of clamp carrier **Consisting of:** 2 Gaskets 4 injector screw Please order the LSG glue 07.631 separately	**36.468**
	**Special adhesive for use with LSG**	**07.631**

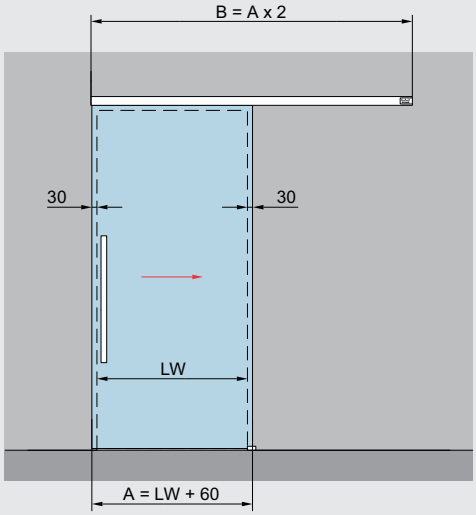
	Product description	Art. No.
	**MUTO Premium XL 80/150** **Side light profile** 69 mm hight, with gaskets, for 8 – 13.5 mm glass stock length 6,000 mm fixed length When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).	 **36.469** **36.474**
	**MUTO** **Filling profile** for Comfort L, Premium XL and Self-Closing, for side light profile stock length 6,000 mm fixed length	 **36.800** **36.801**
	**MUTO** **Filling profile** for Comfort L, Premium XL and Self-Closing, stock length 6,000 mm fixed length	 **36.802** **36.803**
	**MUTO Premium - balance profile set** 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length	**36.870**
	**MUTO Premium - balance profile set** 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length	**36.871**

	Product description	Art. No.
	**MUTO Premium XL 80/150** **End caps** for side light profile, 58 mm hight each 2 mm width (When installing between two walls, please give particular attention to it.)	**36.471**
	**MUTO** **Floor profile** for Comfort L and Premium XL, for fixing side light, with gaskets, for 8 – 13.5 mm glass, incl. end caps stock length 6,000 mm fixed length	 **36.810** **36.811**
	**MUTO** **End caps (2 pieces)** for Comfort L and Premium XL, for Floor profile, for fixing side light	**36.812**
	**MUTO** **Connecting profile for false ceilings,** incl. acces- sory set for Comfort M, L and Premium XL, stock length 6,000 mm fixed length	 **36.821** **36.820**

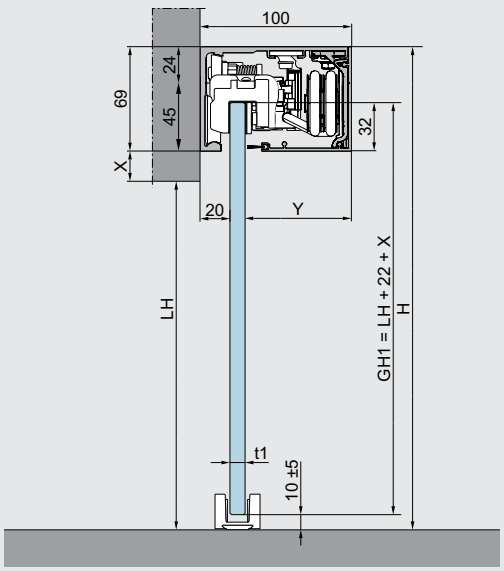
	Product description	Art. No.
	**MUTO Premium XL 80/150** **Subsurface floor guide track rail with brushes** stock length 6,000 mm fixed length	 **36.561** **36.562**
	**MUTO Comfort** **Floorstop** for Comfort M, L and Premium XL, for glass- oder timber side light	**36.851**
	**MUTO** **Integrated locking 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 * **Battery** for re-ordering	**36.842** **38.845**

	Product description	Art. No.
	**MUTO** **Radio remote control** for Comfort L, Premium XL and Self-Closing, 1 Radio remote control 1 Battery	**36.848**
	**MUTO** **Wall switch with radio remote control** for Comfort L, Premium XL and Self-Closing, 1 Wall switch 1 Battery	**36.849**
	**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**

Type illustrations wall installation



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

Fixed at wall	Product description	Glass thickness
	For installation with one door panel	8 – 13.5 mm

Max. weight of door panels
120 kg

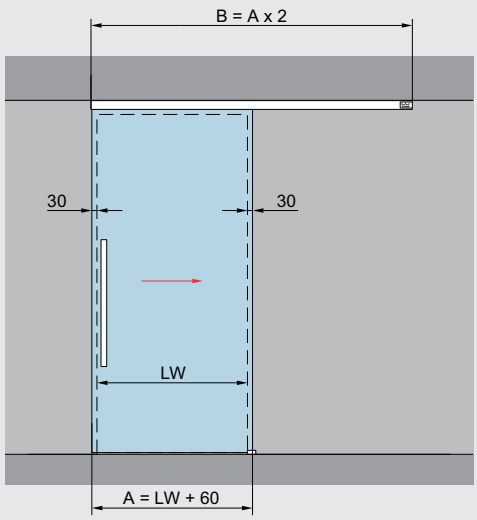
Calculation of glass height
GH1 = LH + 22 + X mm
max. 3,000 mm

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

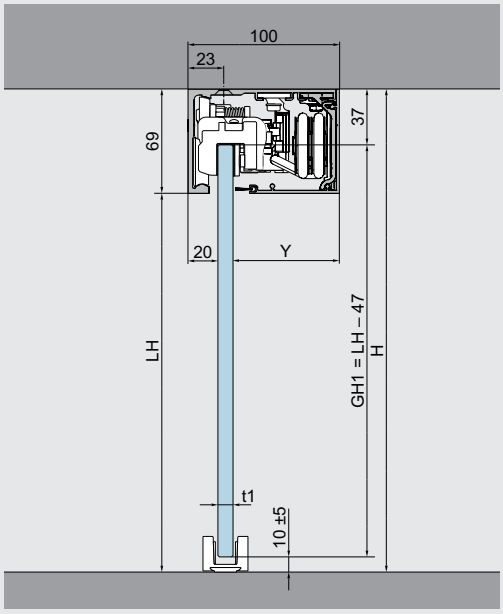
Right: Opening to right side, closing to left side (DIN Left)
Left: Opening to left side, closing to right side (DIN Right)

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



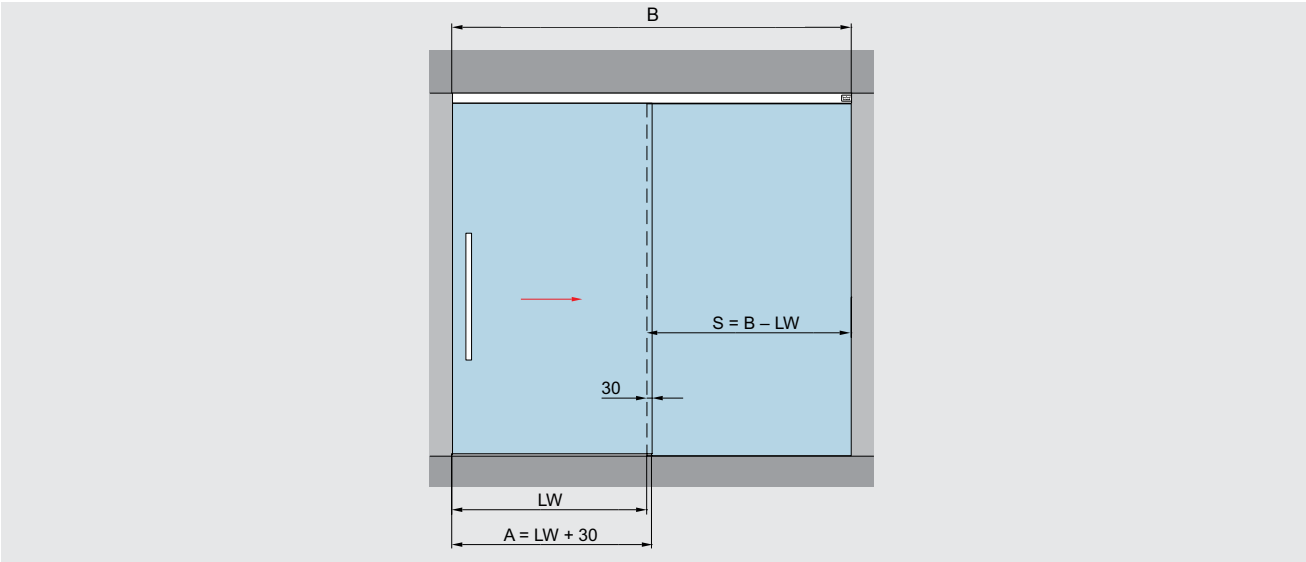
Opening to right side, closing to left side (DIN left)

Fixed at ceiling	Product description	Glass thickness
	For installation with one door panel **Max. weight of door panels** 120 kg **Calculation of glass height** GH1 = H – 47 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	8 – 13.5 mm

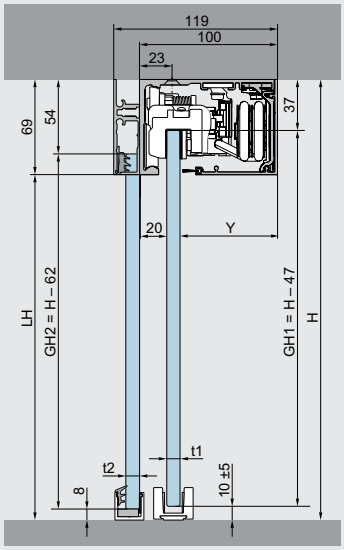
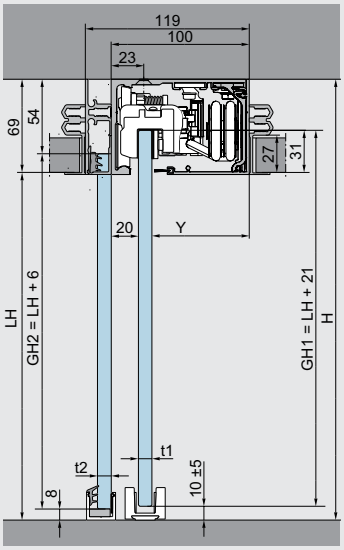
Right: Opening to right side, Closing to left side (DIN Left)
Left: Opening to left side, Closing to right side (DIN Right)

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



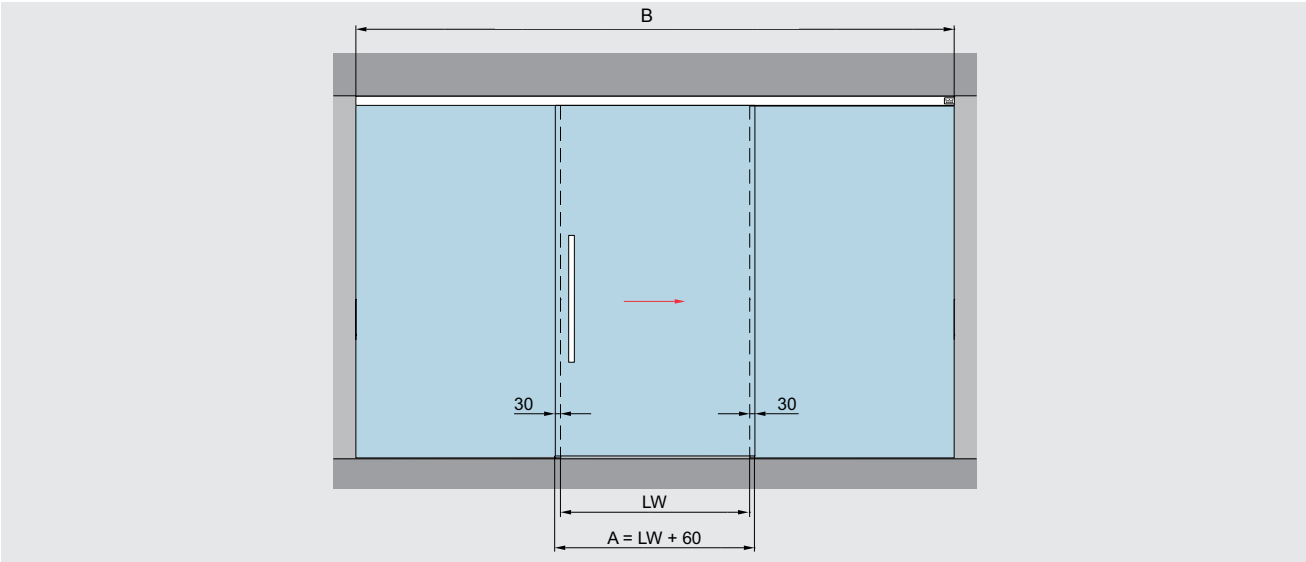
Opening to right side, closing to left side (DIN left)

Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		For installation with one door panel **Max. weight of door panels** 120 kg **Calculation of glass height for installation at ceiling** GH1 = H – 47 mm GH2 = H – 62 mm max. 3,000 mm **Calculation of glass height for installation at false ceiling** GH1 = LH + 21 mm GH2 = LH + 6 mm max. 3,000 mm **Calculation of glass width** A = LW + 30 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm	8 – 13.5 mm

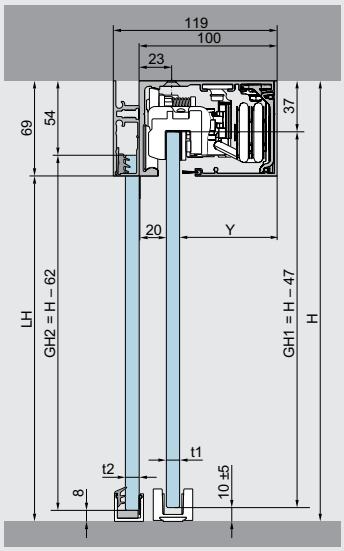
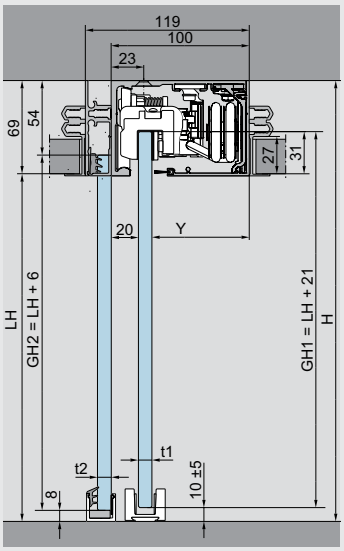
Right: Opening to right side, closing to left side (DIN Left)
Left: Opening to left side, closing to right side (DIN Right)

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 with sidelight, on both sides



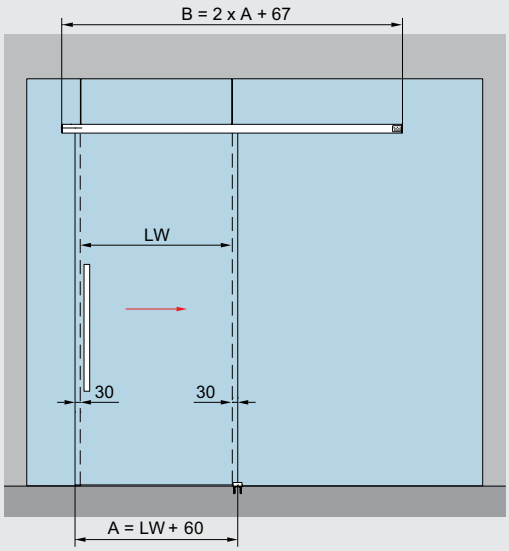
Opening to right side, closing to left side (DIN left)

Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		For installation with one door panel **Max. weight of door panels** 120 kg **Calculation of glass height for installation at ceiling** GH1 = H – 47 mm GH2 = H – 62 mm max. 3,000 mm **Calculation of glass height for installation at false ceiling** GH1 = LH + 21 mm GH2 = LH + 6 mm max. 3,000 mm **Calculation of glass width** A = LW + 30 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm	8 – 13.5 mm

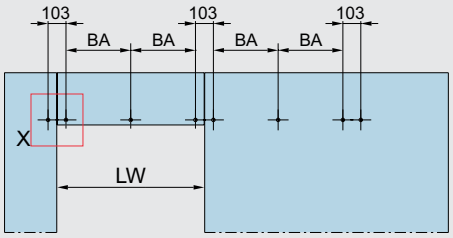
Right: Opening to right side, closing to left side (DIN Left)
Left: Opening to left side, closing to right side (DIN Right)

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
t1 = Glass thickness sliding door
t2 = Glass thickness sidelight
Y = 100 mm – 20 mm – t1

Type illustrations glass installation



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

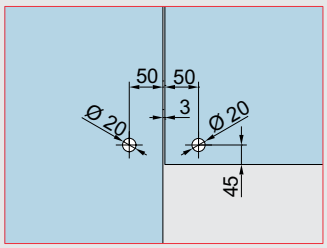


BA = 2 x (LW - 106) / T = mm

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

Calculation sample (LW = 790):
BA = 2 x (790 - 106)/4
= 342 mm

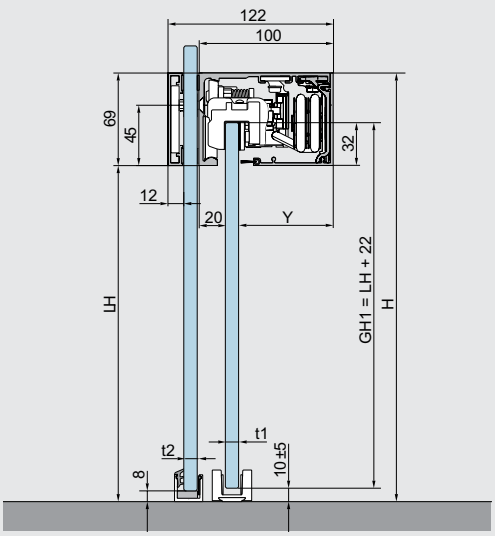
	T	AB
790 ≤ LW ≤ 800	4	8
801 ≤ LW ≤ 1,000	6	10
1,001 ≤ LW ≤ 1,200	8	12
1,201 ≤ LW ≤ 1,500	10	14
1,501 ≤ LW ≤ 2,000	12	16
2,001 ≤ LW ≤ 2,500	14	18

Glass preparation	Product description	Glass thickness
 Detail **X**	For installation with one door panel	8 – 13.5 mm

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

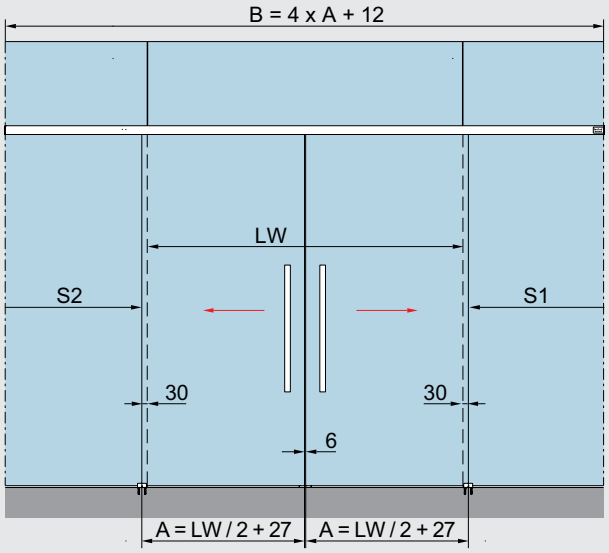
Fixed at glass	Product description	Self-Closing 120
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.	

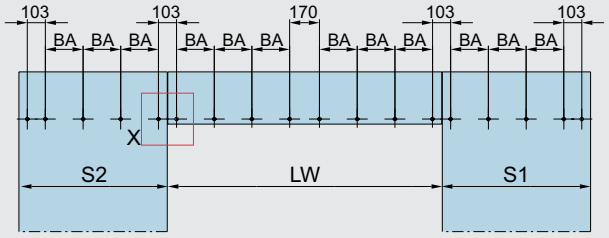
MUTO Premium

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



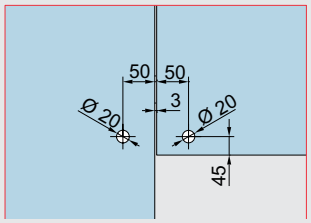


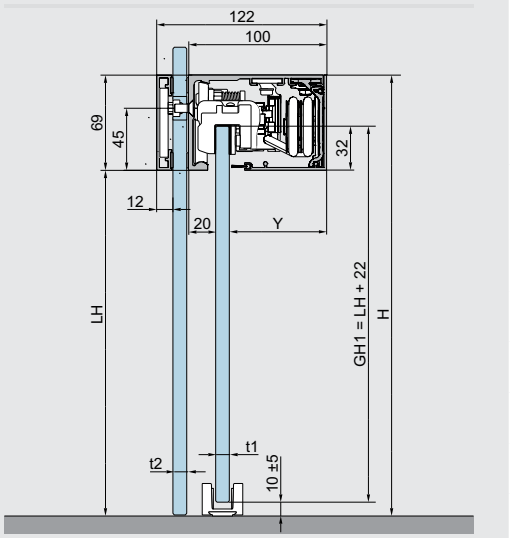
*BA = 2 x (LW - 106–170) / T = mm

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

Calculation sample (LW=1,570):
BA = 2 x (1,570 - 106 - 170) / 12
= 216 mm

	T	AB
1,200 ≤ LW ≤ 1,500	8	14
1,501 ≤ LW ≤ 2,000	12	18
2,001 ≤ LW ≤ 2,900	16	22

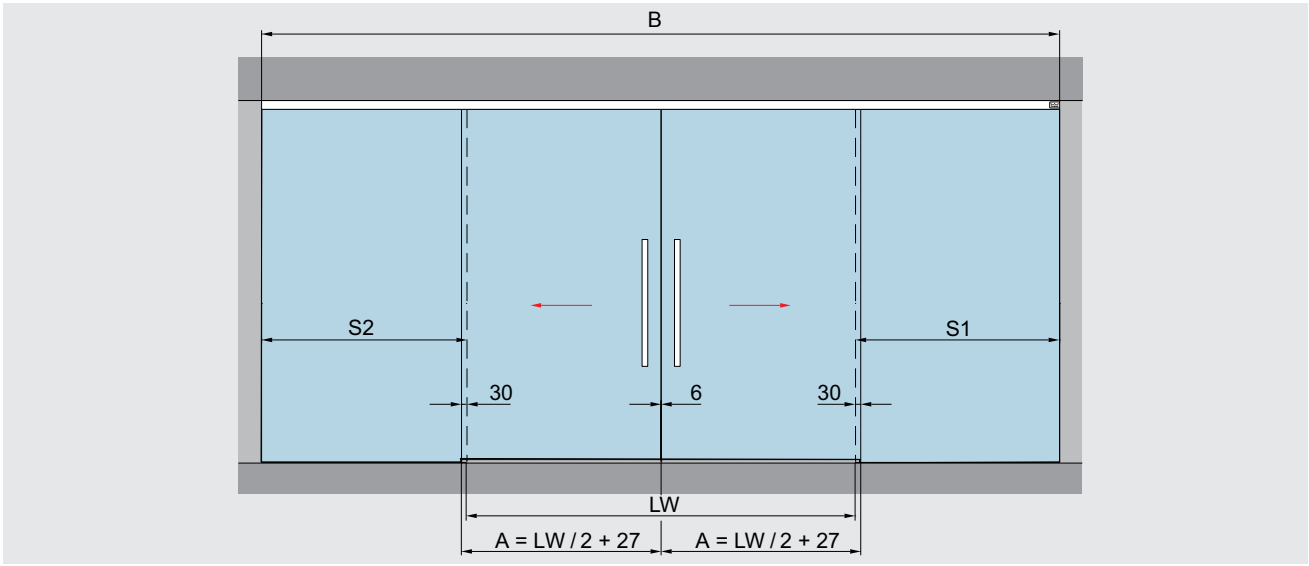
Glass preparation	Product description	Glass thickness
 Detail **X**	For installation with two door panels **Max. weight of door panels** 120 kg **Calculation of glass height** GH = LH + 22 mm, max. 3,000 mm **Calculation of glass width** A = LW / 2 + 27 mm min. 850 mm max. 2 x 1,470 mm	8 – 13.5 mm

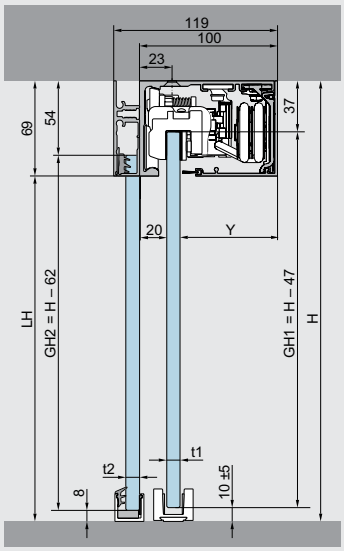
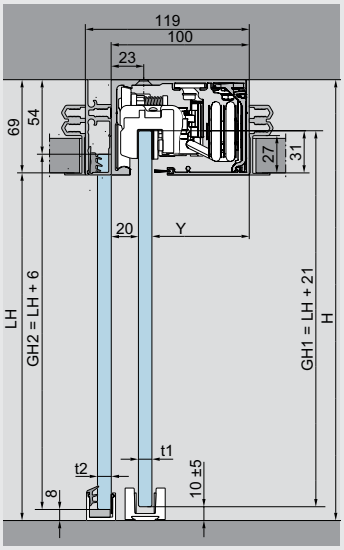
Fixed at glass	Merkmale und Daten	Self-Closing 120
	To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.	

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

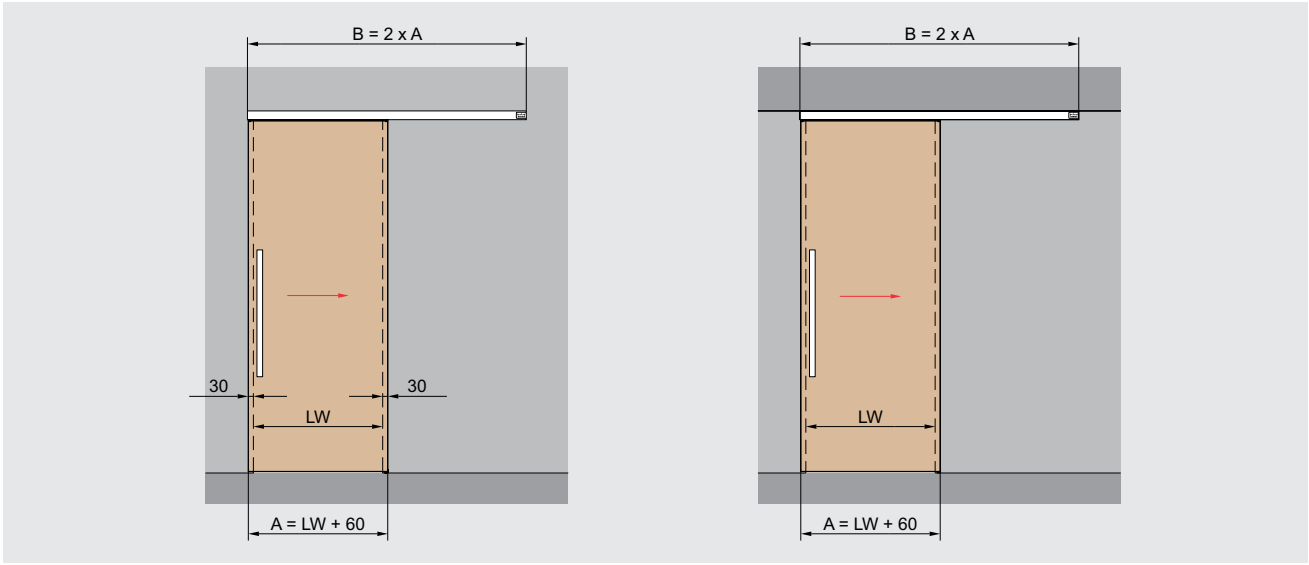


Fixed at ceiling	Fixed at false ceiling	Product description	Glass thickness
		For installation with two door panels with sidelights **Max. weight of door panels** 120 kg **Calculation of glass height for installation at ceiling** GH1 = H – 47 mm GH2 = H – 62 mm max. 3,000 mm **Calculation of glass height for installation at false ceiling** GH1 = LH + 21 mm GH2 = LH + 6 mm max. 3,000 mm **Calculation of glass width** A = LW / 2 + 27 mm min. 2 x 850 mm max. 2 x 1,470 mm	8 – 13.5 mm

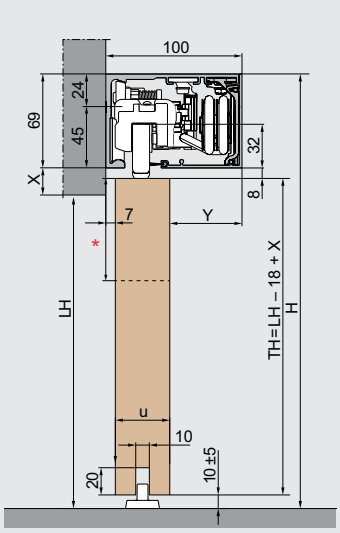
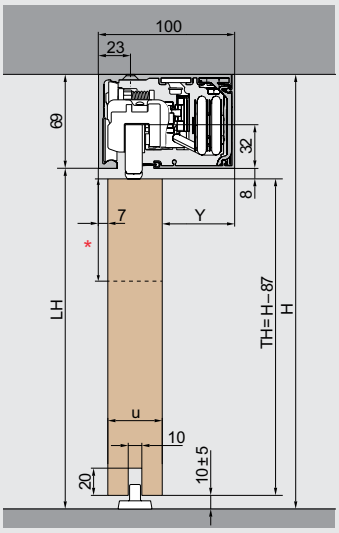
Right: Opening to right side, closing to left side (DIN Left)
Left: Opening to left side, closing to right side (DIN Right)

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



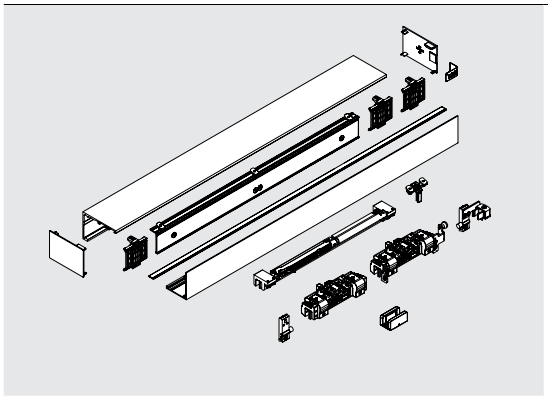
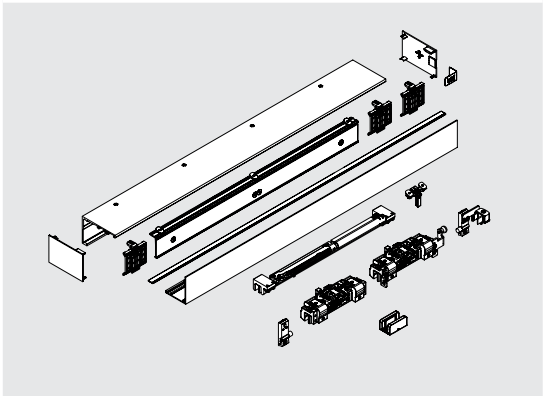
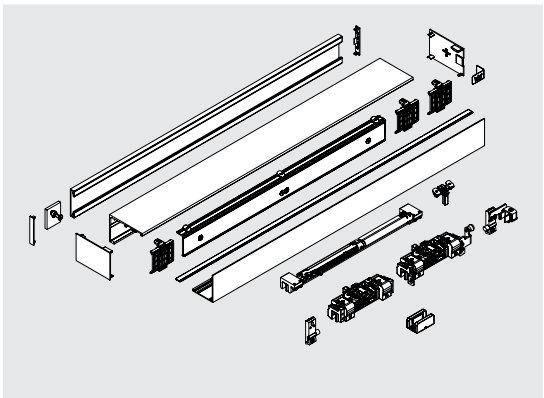
Opening to right side, closing to left side (DIN left)

Fixed at wall	Fixed at ceiling	Product description	Wood thickness
		For installation with one door panel **Max. weight of door panels** 120 kg **Calculation of door height fixed at wall** TH = LH – 18 + X mm max. 3,000 mm **Calculation of door height fixed at ceiling** TH = H – 87 mm max. 3,000 mm **Calculation of door width** A = LW + 60 mm min. 850 mm (DORMOTION on one side) Max. travel 1,450 mm	28 – 50 mm

* Timber door 100 mm, solid wood, for attachment to timber adapter.

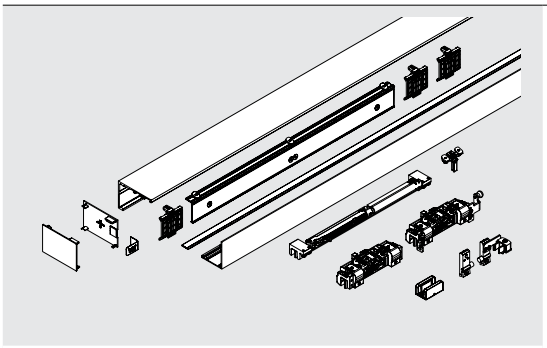
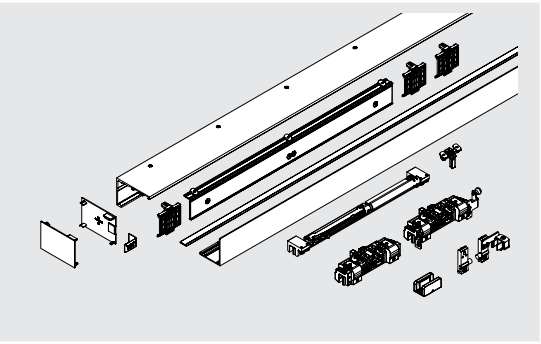
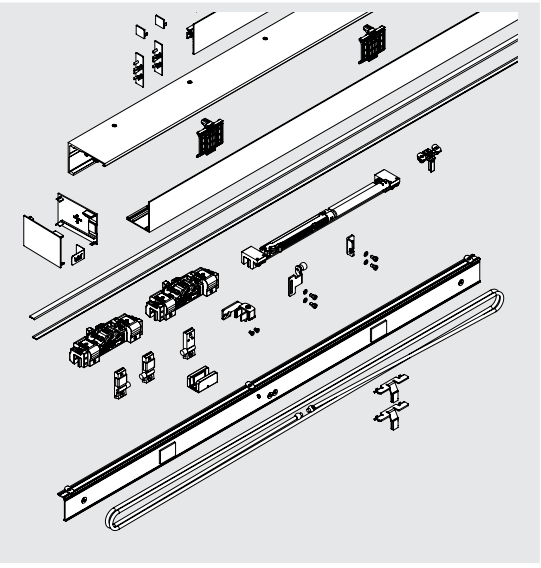
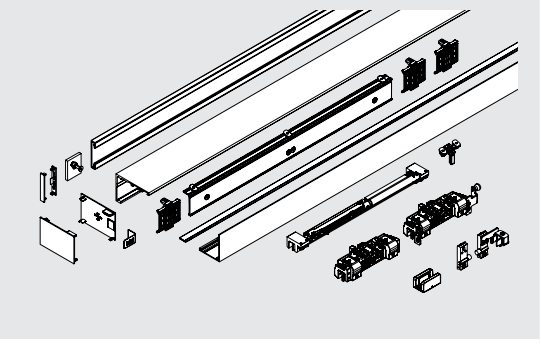
A = Glass width
B = Length of track
H = Total height
LH = Clear opening height
LW = Clear opening width
TH = Door height
u = Wood thickness
X = Freely selectable protrusion (depending on structural conditions)
Y = 100 mm – 20 mm – t1

Complete sets - defined panel width

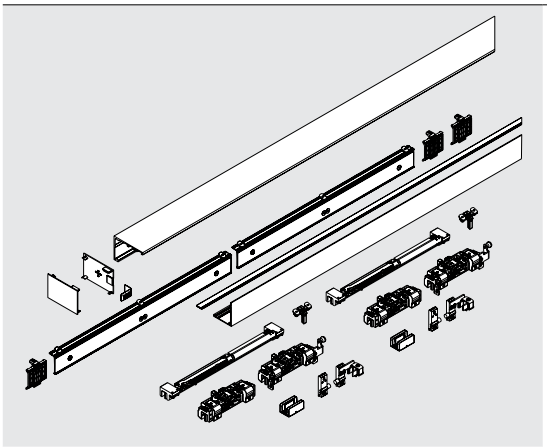
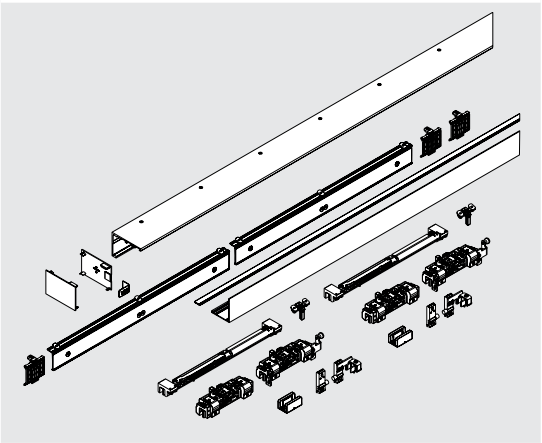
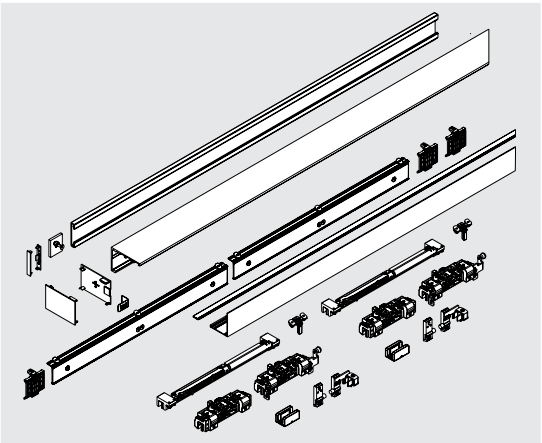
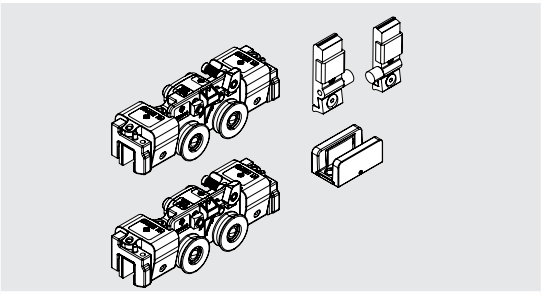
	Product description		Clear opening width	Panel width	Profile length	Art. No.
	**MUTO Premium Self-Closing 120** Fixed at wall incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end caps for 8 – 13.5 mm glass thickness, max. 120 kg	Right Left Right Left Right Left		950 950 1,250 1,250 1,450 1,450	1,880 1,880 2,480 2,480 2,880 2,880	**36.600** **36.601** **36.610** **36.611** **36.602** **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 Left Right Left Right Left		950 950 1,250 1,250 1,450 1,450	1,880 1,880 2,480 2,480 2,880 2,880	**36.604** **36.605** **36.612** **36.613** **36.606** **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	Right Left Right Left Right Left	850 850 1,050 1,050 1,250 1,250	910 910 1,110 1,110 1,310 1,310	1,887 1,887 2,287 2,287 2,687 2,687	**36.614** **36.615** **36.161** **36.617** **36.608** **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.
Note: Please take note of glass preparation on page 71

Complete sets - defined lengths

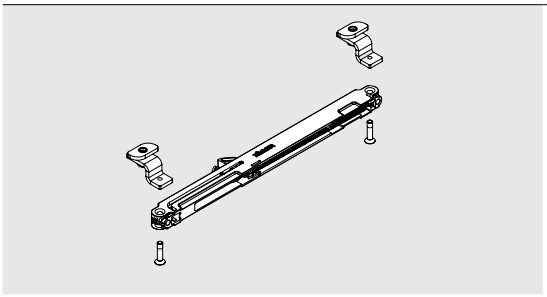
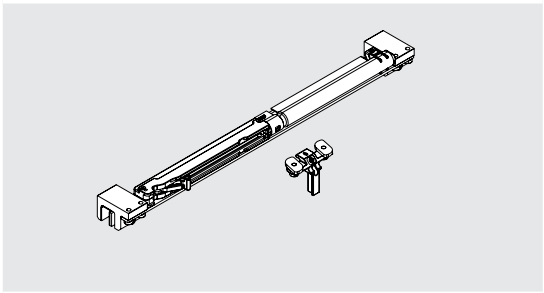
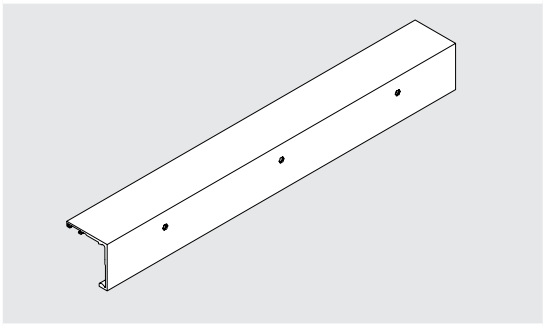
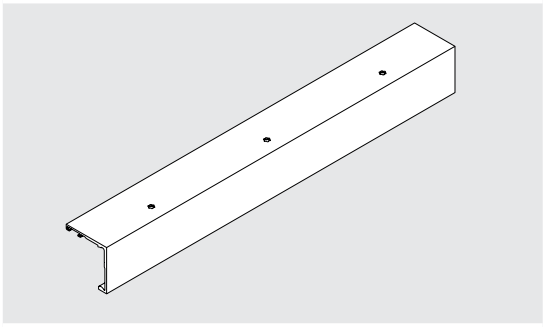
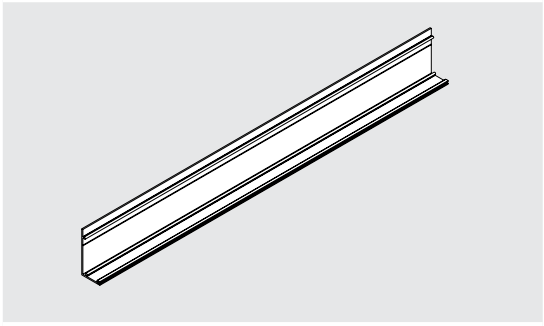
	Product description	Glass thickness	Art. No.
	**MUTO Premium** **Self-Closing 120** Fixed at wall **Individual profile length** **up to max. 5,940 mm** min. glass width 850 mm, max. 1,500 mm incl. track profile, cover profile and brushes, elastic cable, DORMOTION unit (on one side)*, accessory set, end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

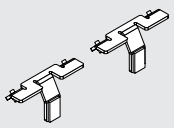
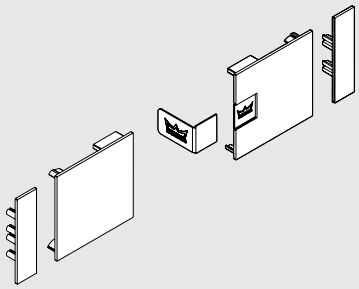
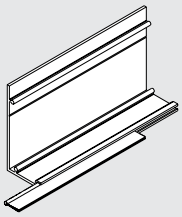
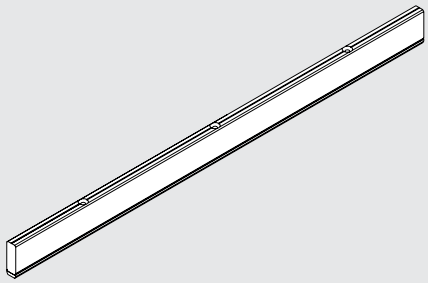
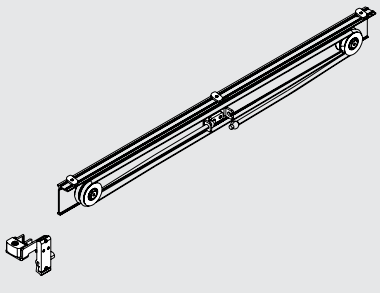
Right: Opening to right side, Closing to left side (DIN Left)
Left: Opening to left side, Closing to right side (DIN Right)
*When using a DORMOTION damping unit, we recommend installation of a pull handle.
Note: Please take note of glass preparation on page 71

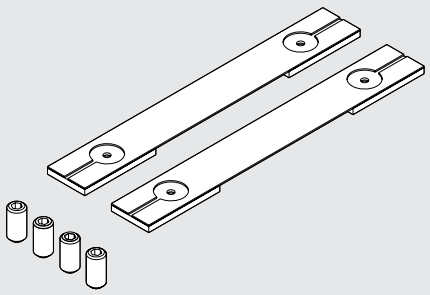
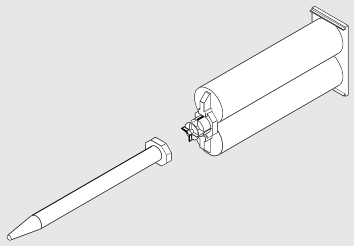
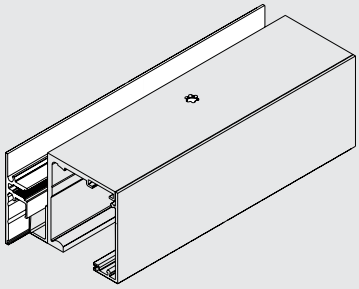
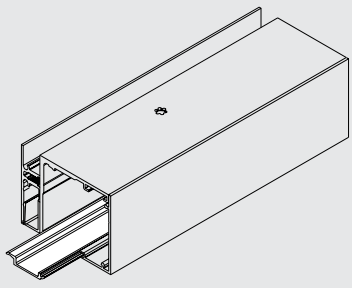
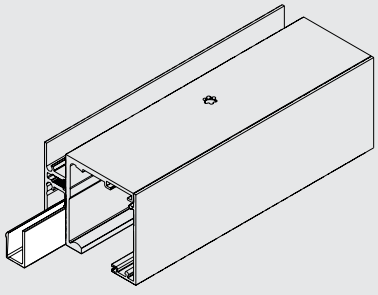
	Product description	Art. No.
	**MUTO Premium** **Self-Closing 120** **Set for doors with two panels** fixed at wall, fixed length, incl. DORMOTION, max. 120 kg. min. panel width 850 mm profile length xxxx mm* (max. 5,940 mm) max. panel width 1,470 mm, incl. track profile, cover profile and brushes complete accessory for 8 – 13.5 mm glass thickness	**36.626**
	**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	**36.627**
	**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) cler 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 **Note:** Please take note of glass preparation on page 71	**36.628**
	**MUTO Premium XL 80/150** **Accessory set** **Consisting of:** 2 Clamp carriers 2 Endstops 1 Floor guide	**36.550**

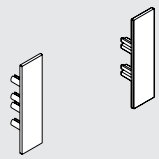
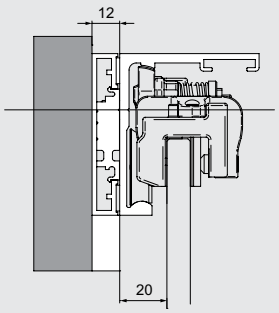
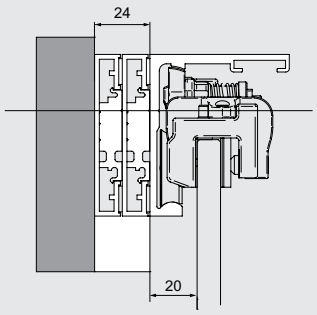
* to be defined by customer

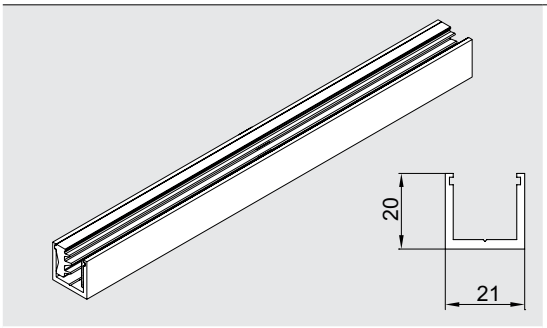
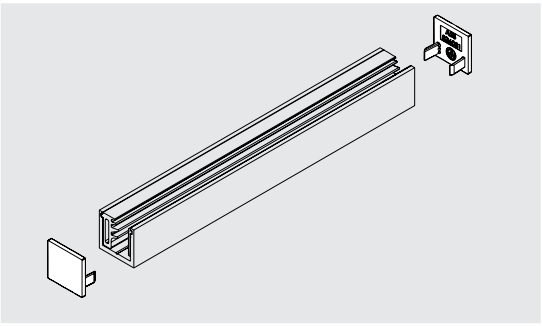
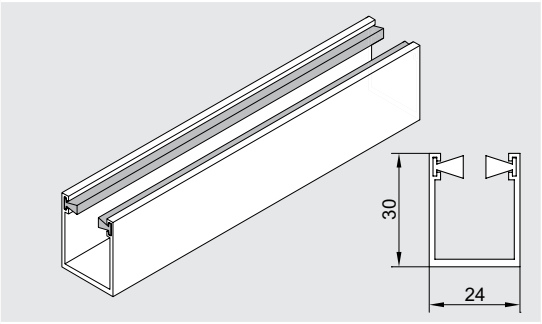
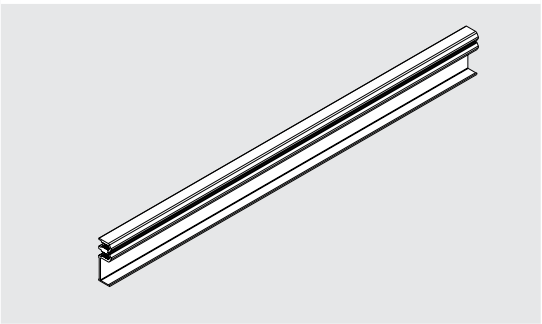
Component parts

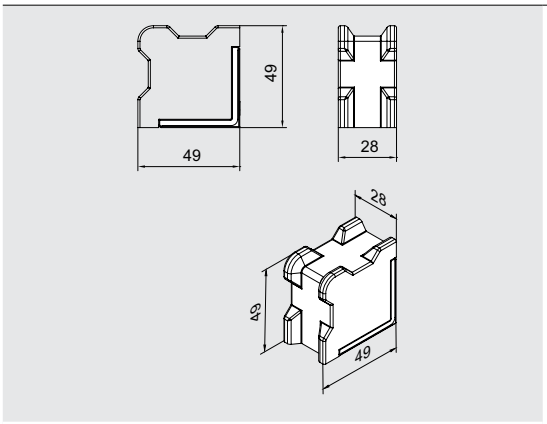
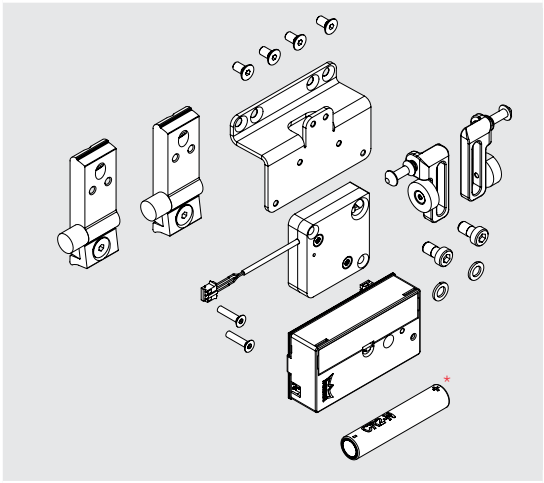
	Product description	Art. No.
	**MUTO Premium** **Self-Closing 120** optional opening damping set (maximum 120 kg) to use left or right – for dampening the door at the open side	**36.666**
	**MUTO Premium** **Self-Closing 120** **DORMOTION-Set –** for dampening the door at the open side for max. 120 kg, with Accessories Opening to right side, Closing to left side (DIN Left) Opening to left side, Closing to right side (DIN Right)	 **36.660** **36.661** not illustr.
	**MUTO Premium** **Self-Closing 120** **Track rail** for wall installation stock length 6,000 mm fixed length	 **36.850** **36.651**
	**MUTO Premium** **Self-Closing 120** **Track rail** for ceiling installation 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**

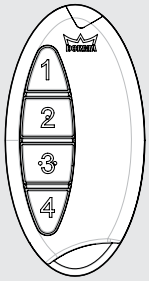
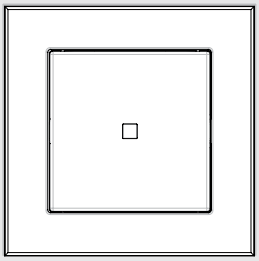
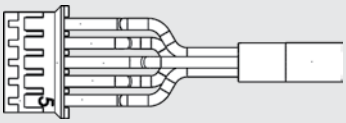
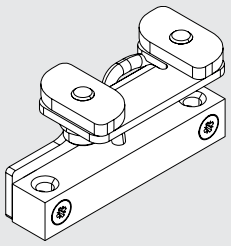
	Product description	Art. No.
	**MUTO spacer (2 pieces)** for installation at ceiling between two walls	**36.890**
	**MUTO Premium** **Self-Closing 120** **End caps** for wall and ceiling installation	**36.656**
	**MUTO** **Brush profile set** for Comfort L and Premium XL **Consisting of:** 1 Brush profile 8 – 10 mm glass 1 Brush profile 12 – 13.5 mm glass	**36.265**
	**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) 1,460 mm fixed length max. 2,500 mm	 **36.461** **36.464**
	**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.

	Product description	Glass thickness	Art. No.
	**MUTO Premium XL 80/150** **LSG-Set** Accessory set for use with LSG for one pair of clamp carrier **Consisting of:** 2 Gaskets 4 Injector screw Please order the LSG glue 07.631 separately		**36.468**
	**Special adhesive and nozzle for use with LSG**		**07.631**
	**MUTO Premium XL 80/150** **Side light profile** 69 mm hight, with gaskets stock length 6,000 mm fixed length When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).	 8 – 13.5 mm 8 – 13.5 mm	 **36.469** **36.474**
	**MUTO** **Filling profile** for Comfort L, Premium XL and Self-Closing, for side light profile stock length 6,000 mm fixed length		 **36.800** **36.801**
	**MUTO** **Filling profile** for Comfort L, Premium XL and Self-Closing, stock length 6,000 mm fixed length		 **36.802** **36.803**

	Product description	Glass thickness	Art. No.
	**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.)		**36.471**
	**MUTO Premium - balance profile set** 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length		**36.870**
	**MUTO Premium - balance profile set** 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length		**36.871**

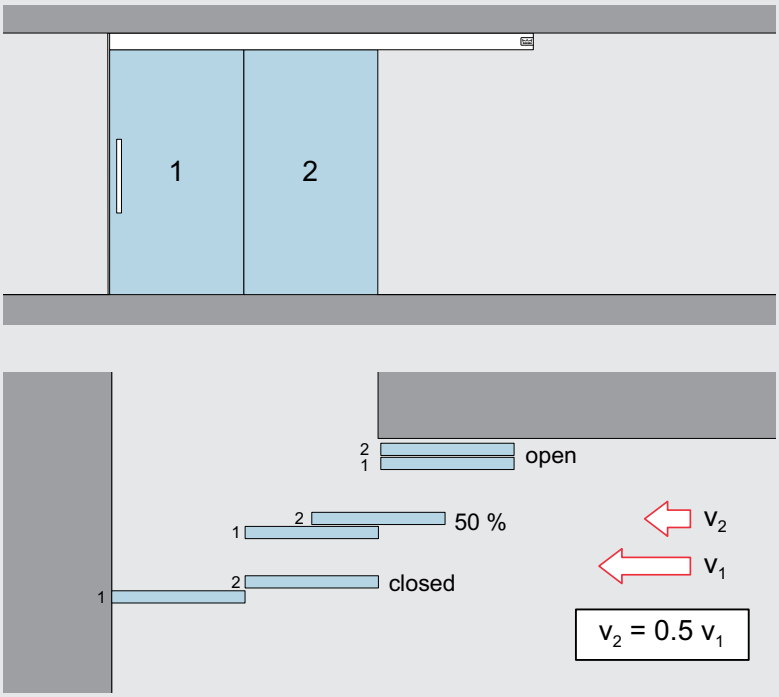
	Product description		Art. No.
	**MUTO** **Floor profile** for Comfort L and Premium XL, for fixing side light, with gaskets, incl. end caps		
	stock length 6,000 mm	8 – 13.5 mm	**36.810**
	fixed length	8 – 13.5 mm	**36.811**
	**MUTO** **End caps (2 pieces)** for Comfort L and Premium XL, for Floor profile, for fixing side light		**36.812**
	**MUTO Premium XL 80/150** **Subsurface floor guide track rail with brushes**		
	stock length 6,000 mm		**36.561**
	fixed length		**36.562**
	**MUTO Comfort** connection profile for false ceilings incl. accesso- ry set for Comfort M, L and Premium XL,		
	stock length 6,000 mm		**36.821**
	fixed length		**36.820**

	Product description	Glass thickness	Art. No.
	**MUTO Comfort** **Floorstop** for Comfort L and Premium XL, for glass- oder timber side light		**36.851**
	**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		**36.842**
	* **Battery** for re-ordering		**36.845**

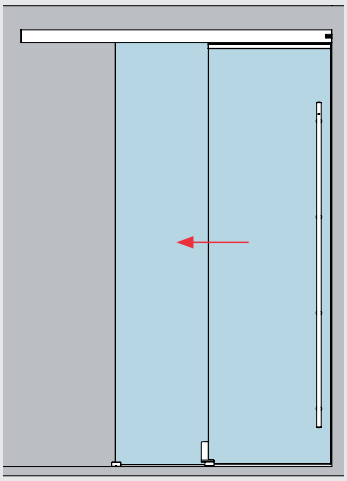
	Product description	Art. No.
	**MUTO** **Radio remote control** for Comfort L, Premium XL and Self-Closing, 1 Radio remote control 1 Battery	**36.848**
	**MUTO** **Wall switch with radio remote control** for Comfort L, Premium XL and Self-Closing, 1 Wall switch 1 Battery	**36.849**
	**MUTO** **Accessory 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**

MUTO Premium Telescopic 80
Huge light openings, but small space requirement

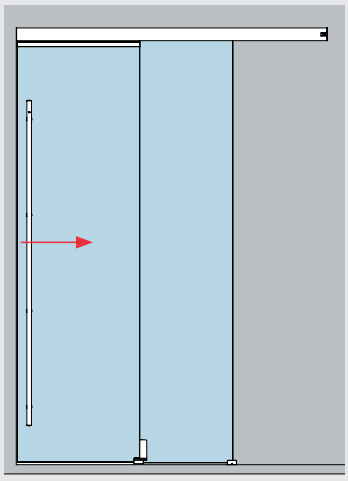
- Telescopic functionality.
- Synchronized panels, that means simultaneous movement of panel 1 (quick moving panel) and panel 2 (slow moving panel <= half speed of quick moving panel)
- DORMOTION functionality (optional)
- Integrated locking device (optional)
- Status indicator (optional)



Opening directions

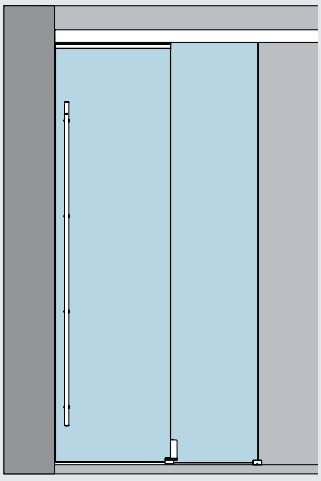


Left:
Opening direction left,
Closing direction right
(DIN right)



Right:
Opening direction right,
Closing direction left
(DIN left)

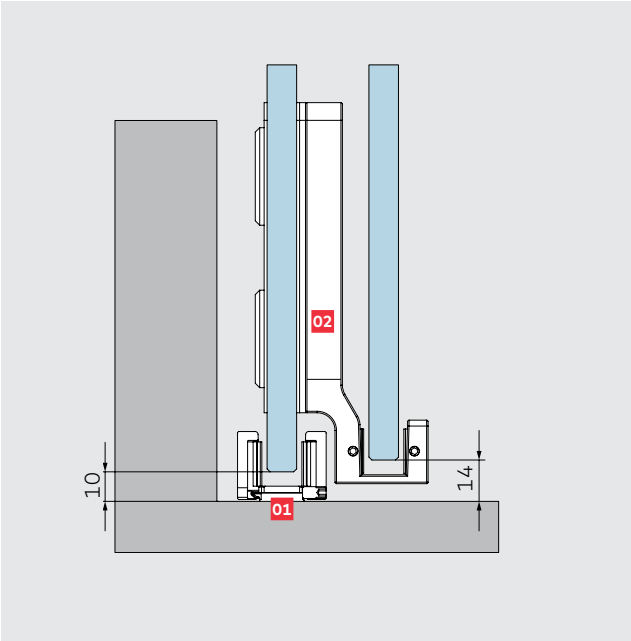
Lintel/90° stopped



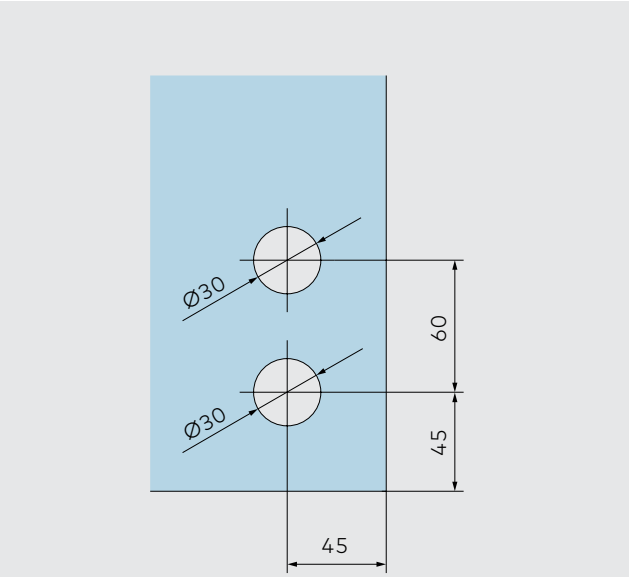
Floor guide variants

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

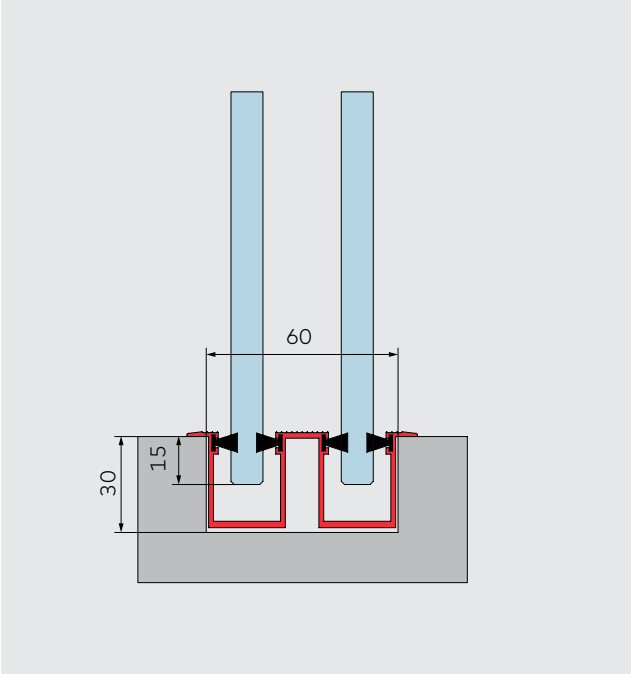
01 Standard fixed floor guide for guiding the slow moving panel (slow moving panel)
02 Moving floor guide for guiding the moving panel (quick moving panel)



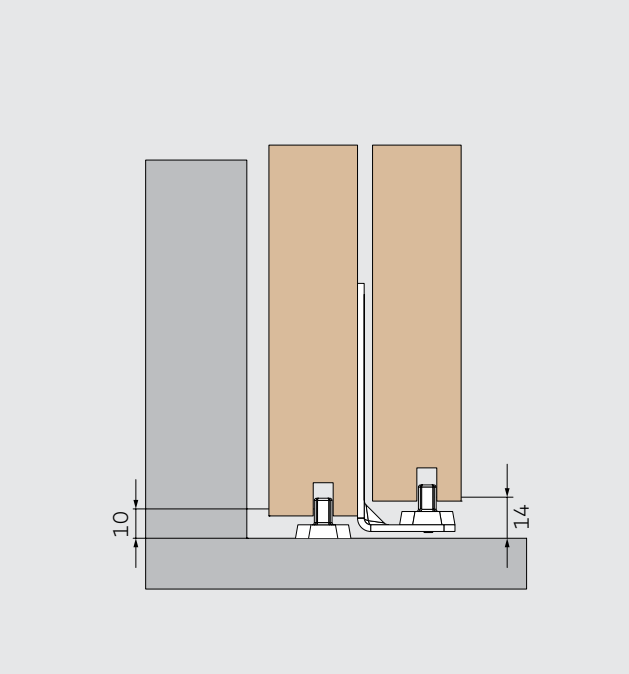
Glass preparation for moving floor guide (picture left)



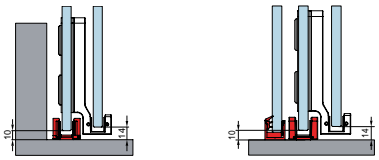
Recessed floor guide for guiding the slow and quick moving panels



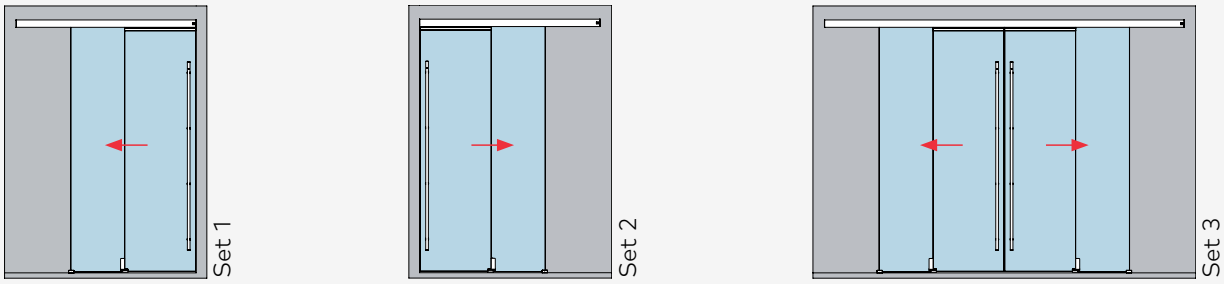
Floor guide situation with timber doors



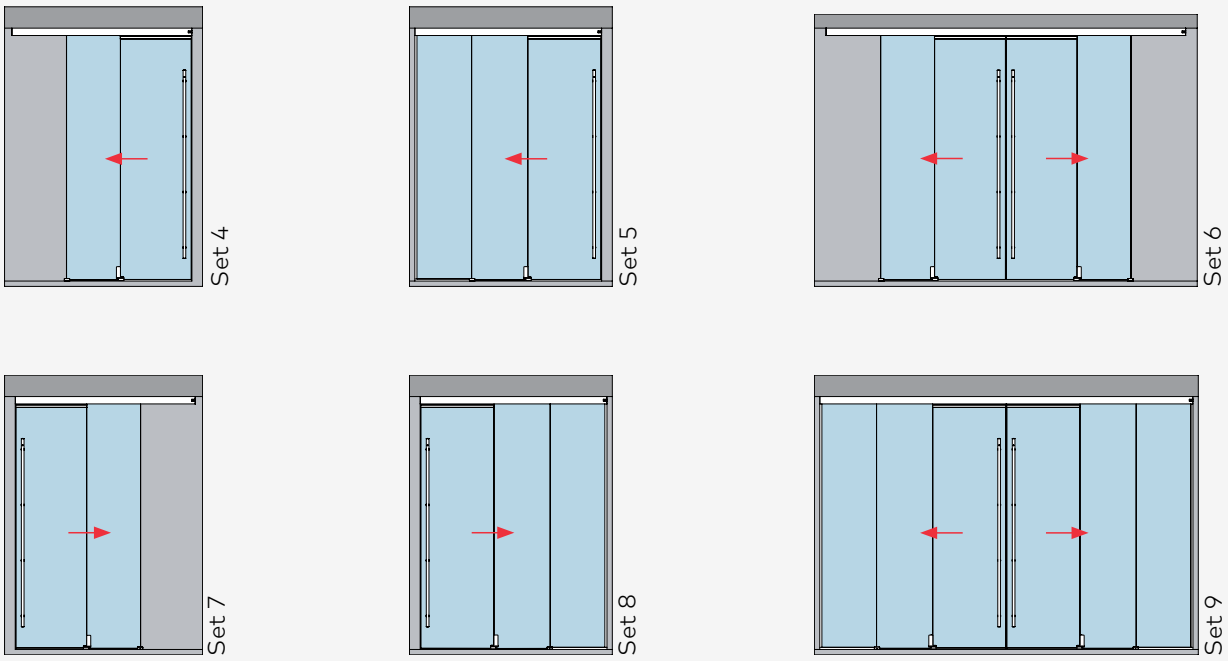
Glass panel with moving floor guide



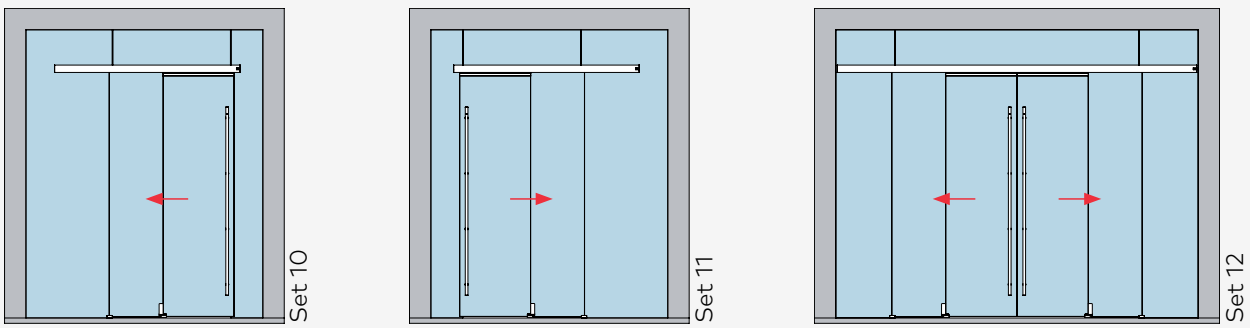
Glass door (8 - 13.5 mm) for the installation at wall - 2 and 4 panels



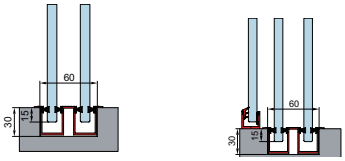
Glass door (8 - 13.5 mm) for the installation at ceiling / with side light (10 - 19 mm) - 2 and 4 panels



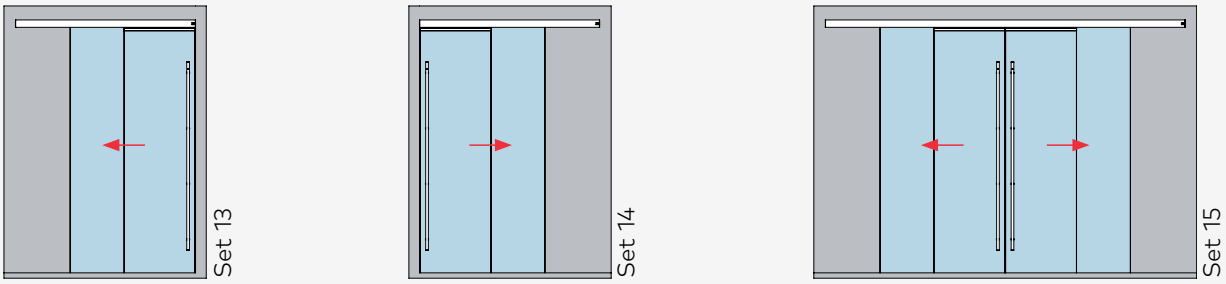
Glass door (8 - 13.5 mm) with glass overpanel and glass side lights (10 - 19 mm) - 2 and 4 panels



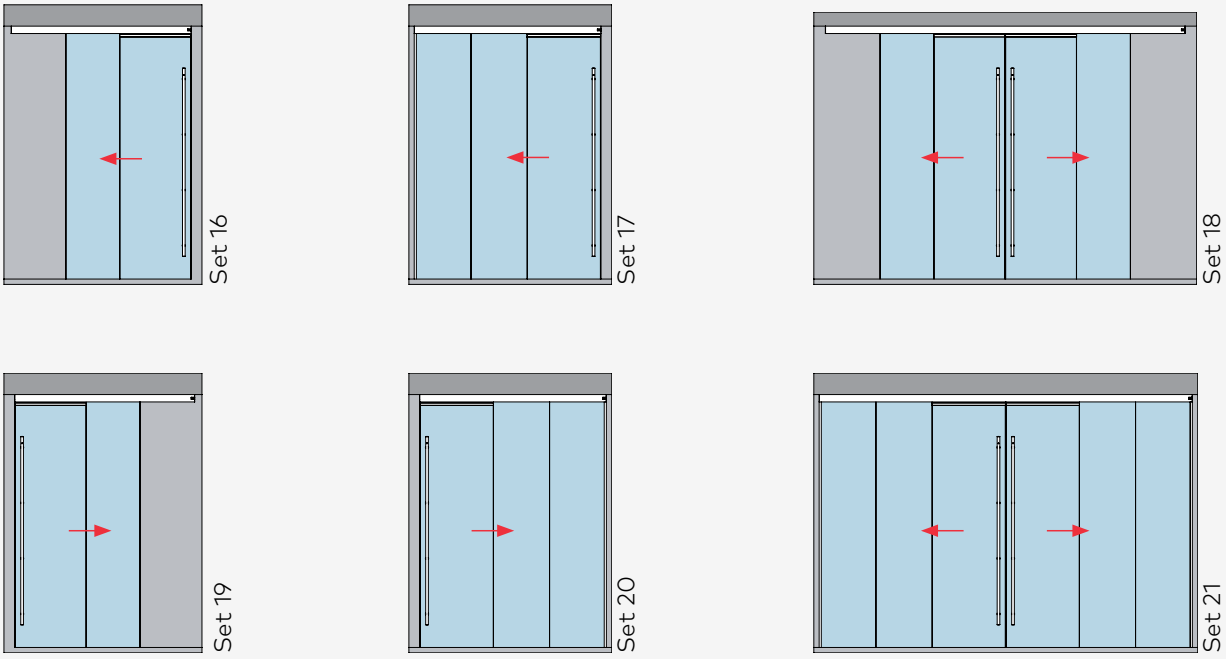
Glass panel with recessed floor guide profile



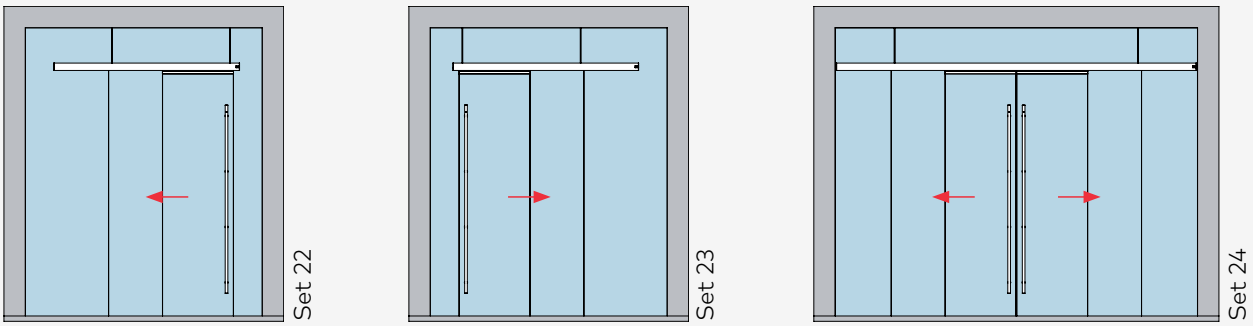
Glass door (8 - 13.5 mm) for the installation at wall - 2 and 4 panels



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



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



Wide openings with small panels

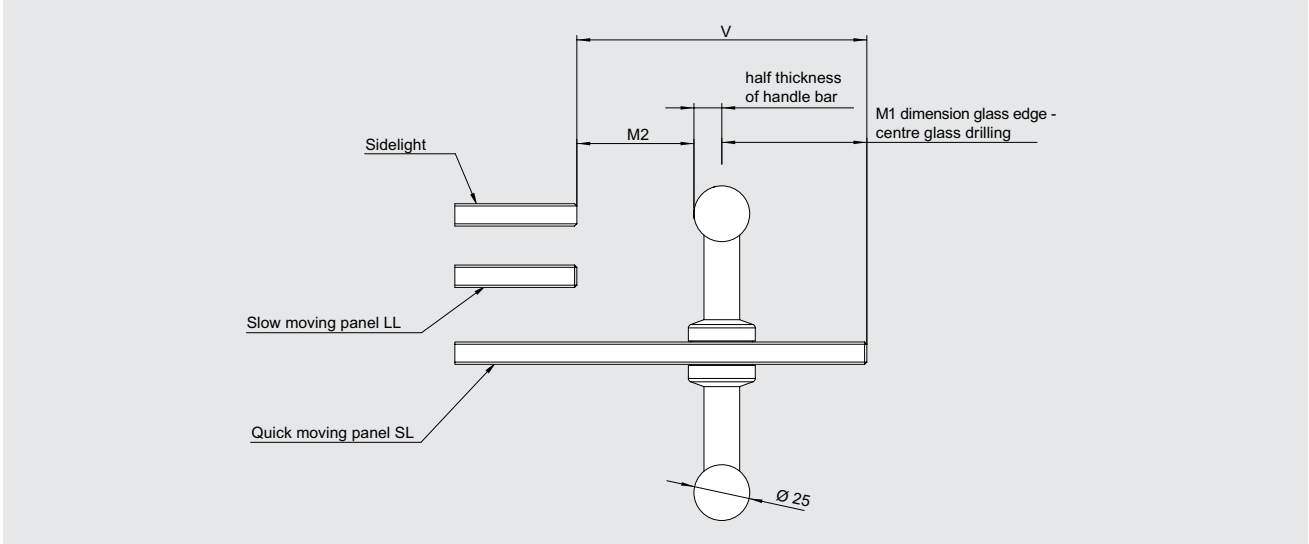
Unless indicated otherwise all measurements are shown in mm.

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

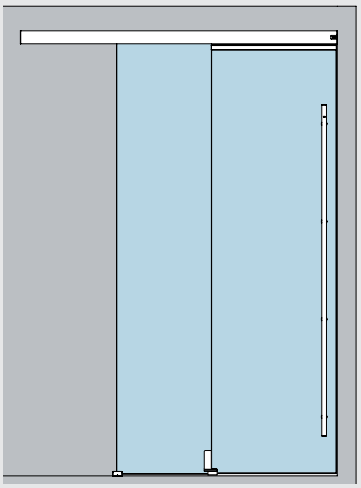
- Quick moving panel and slow moving panel are clamped – no additional glass preparation required
- Easy glass preparation for fixing the moving floor guide

Manifold varieties

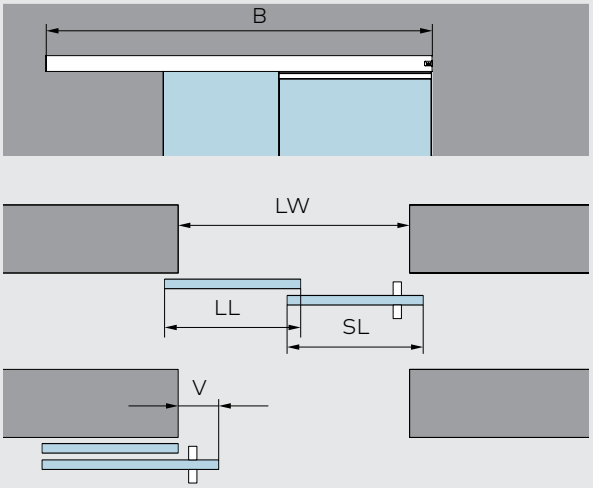
Universal usability for different panel base material

- 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)

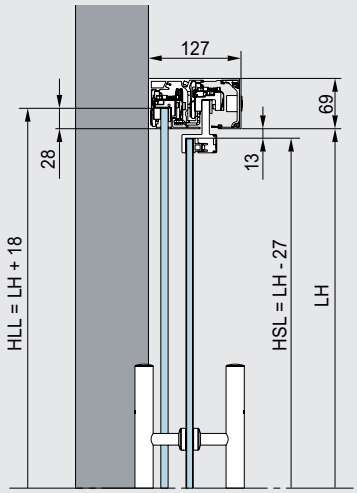
Type illustrations wall installation

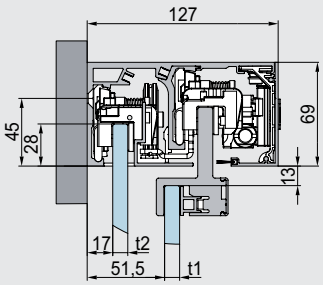


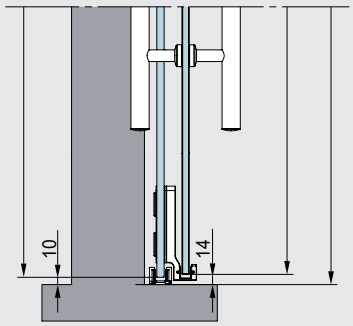
Opening direction left, Closing direction right (DIN right)



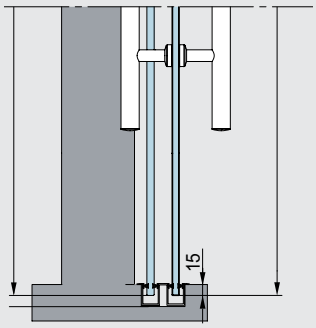
Fixed at wall







surface mounted



recessed

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 88.

Calculation of track length
2 panels
B = 1.5 x LW - V/2 + 85

2 + 2 panels
B = 1.5 x LW - V + 67

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

2 + 2 panels
LL = LW - 2 x V + 114) / 4
SL = LL + V

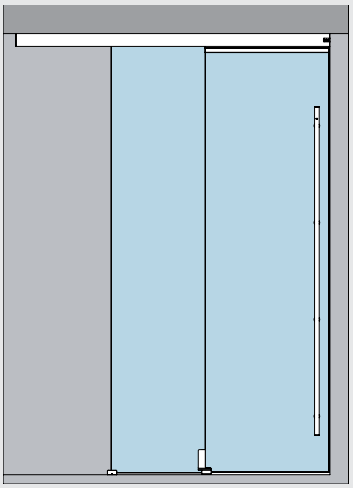
Calculation of glass height (=surface mounted)
HLL = LH + 18
HSL = LH - 27

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

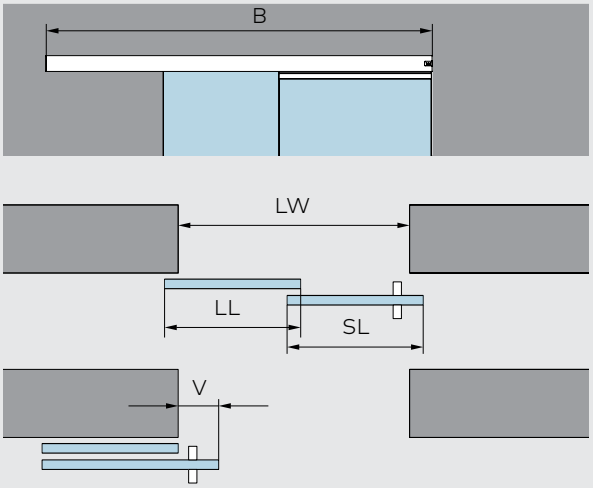
B = Length of track
HLL = Glass height slow moving panel
HSL = Glass height quick moving panel
LH = Clear opening height
LW = Clear opening width

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

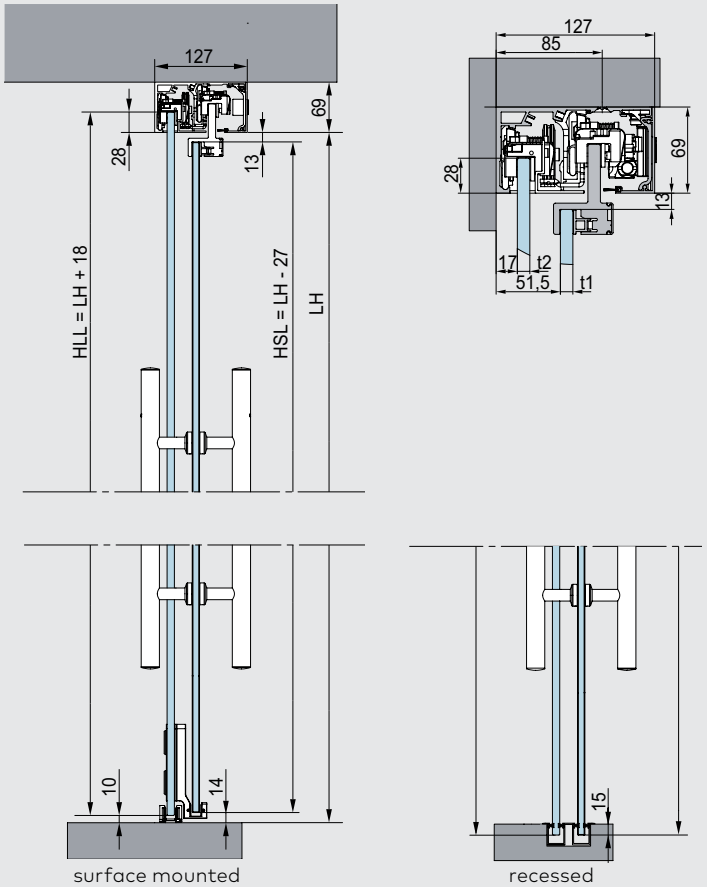
Type illustrations ceiling installation



Opening direction left, Closing direction right (DIN right)



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 88.

Calculation of track length
2 panels
B = 1.5 x LW - V/2 + 85

2 + 2 panels
B = 1.5 x LW - V + 67

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

2 + 2 panels
LL = (LW - 2 x V + 114) / 4
SL = LL + V

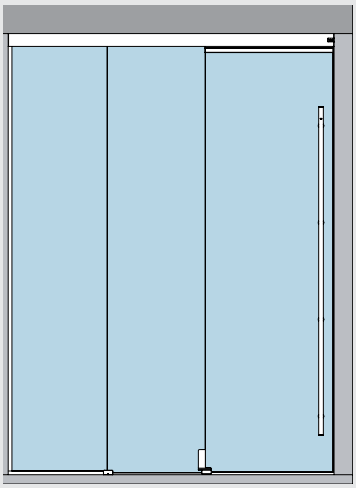
Calculation of glass height (=surface mounted)
HLL = LH + 18
HSL = LH - 27

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

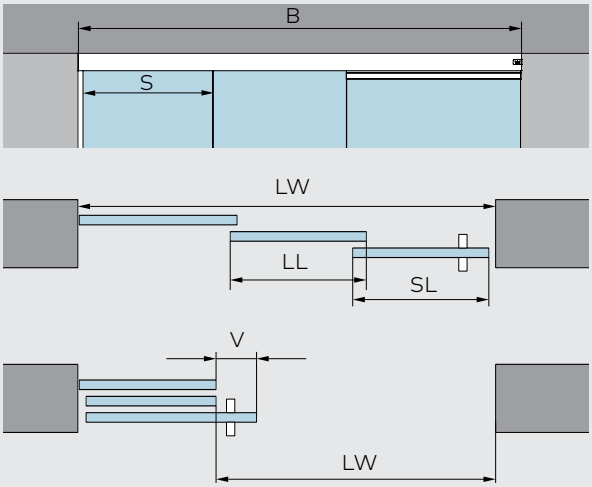
B = Length of track
HLL = Glass height slow moving panel
HSL = Glass height quick moving panel
LH = Clear opening height
LW = Clear opening width

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

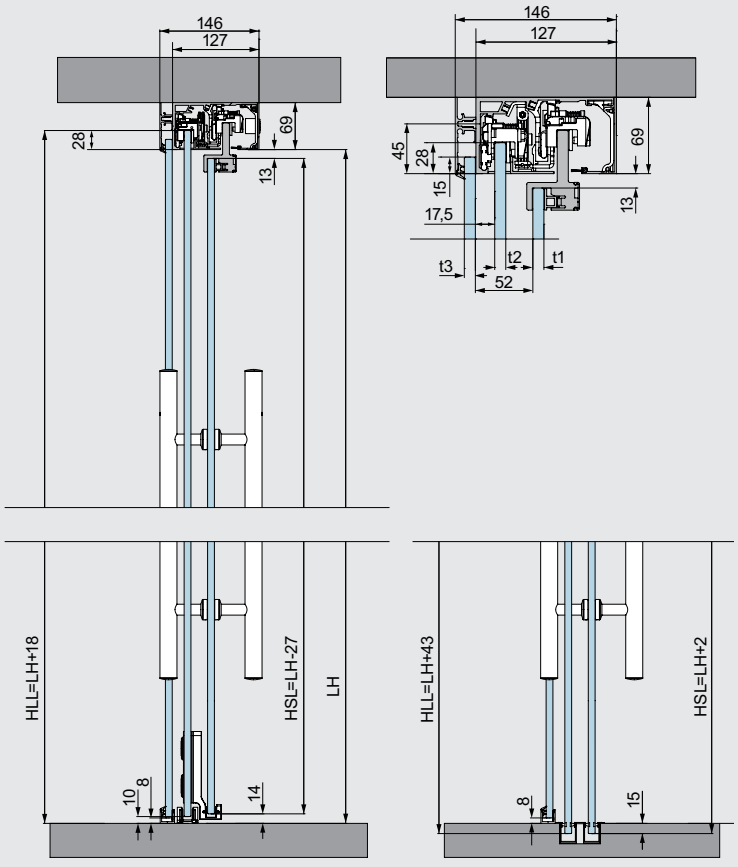
Type illustrations with sidelight, on one side



Opening direction left, Closing direction right (DIN right)



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 88.

Calculation of track length
B = LW - 4

Calculation of glass width
2 panels
LL = (LW - V + 51) / 3
SL = LL + V
2 + 2 panels
LL = (LW - 2 x V + 102) / 6
SL = LL + V

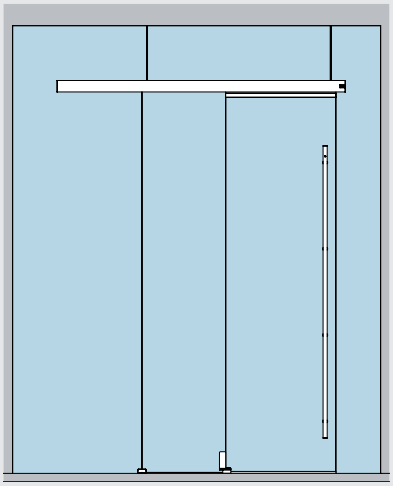
Calculation of glass height (=surface mounted)
HLL = LH + 18
HSL = LH - 27

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

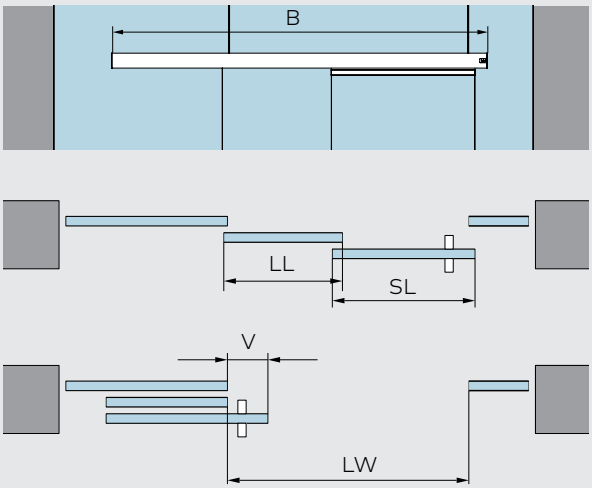
Calculations
2 panels
S = (LW - V + 66) / 3
LDW = LW - S
2 + 2 panels
S = (LW - 2 x V + 132) / 6
LDW = LW - 2 x S

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

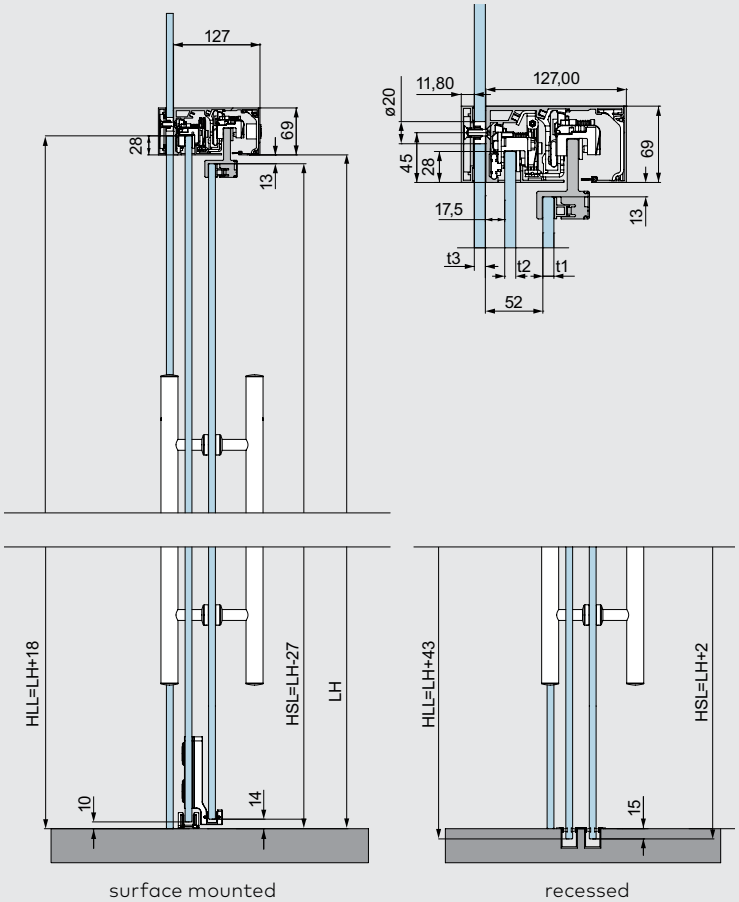
Type illustrations glass installation



Opening direction left, Closing direction right (DIN right)



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 88.

Calculation track length
2 panels
B = 1.5 x LW - V/2 + 135

2 + 2 panels
B = 1.5 x LW - V + 67

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

2 + 2 panels
LL = (LW - 2 x V + 114) / 4
SL = LL + V

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

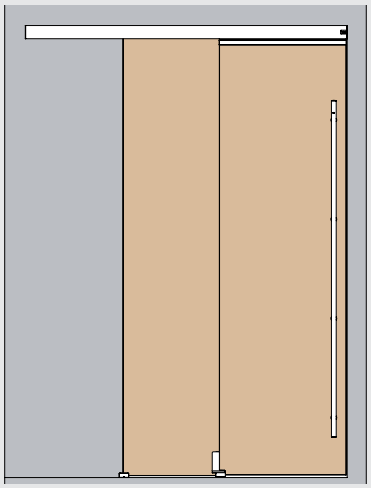
Calculation of glass height (=recessed)
HLL = LH + 43
HSL = LH + 2

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

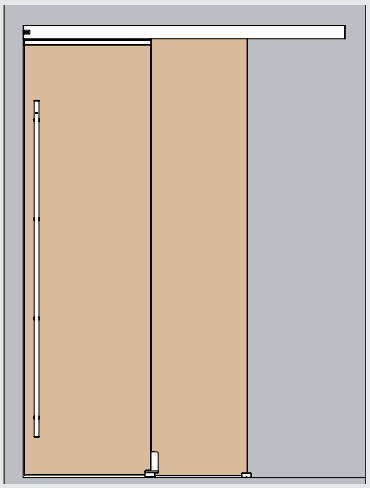
LW = Clear opening width
LL = Slow moving panel
SL = Quick moving panel

t1 = Glass thickness quick moving panel (SL)
t2 = Glass thickness slow moving panel (LL)
t3 = Glass thickness sidepanel
V = Overlapping size of handle bar

Type illustrations for timber door

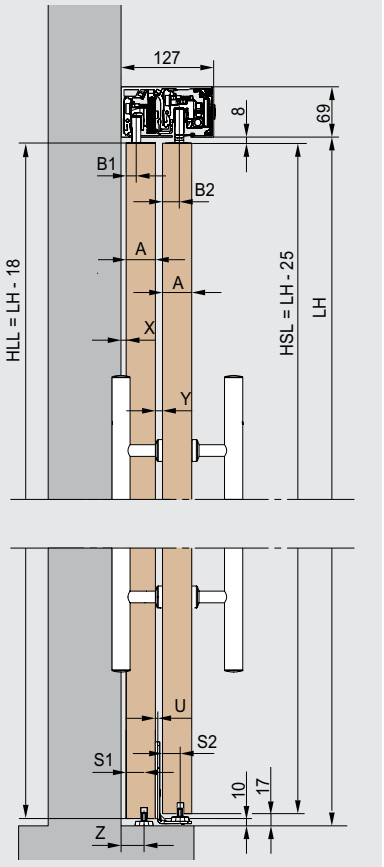


Opening direction left, Closing direction right (DIN right)



Opening direction right, Closing direction left (DIN left)

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 88.

Calculation of track length
cf. glass calculations

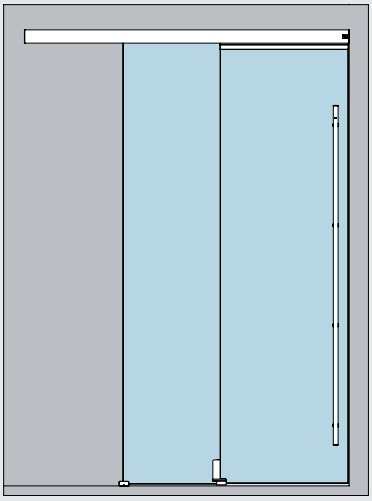
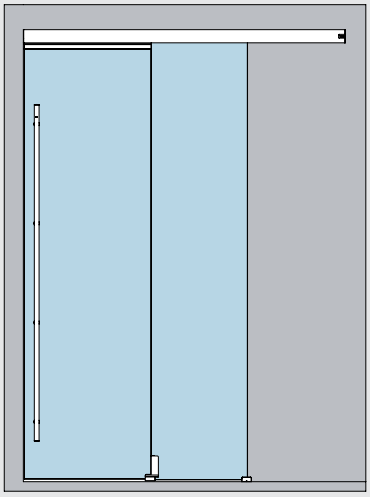
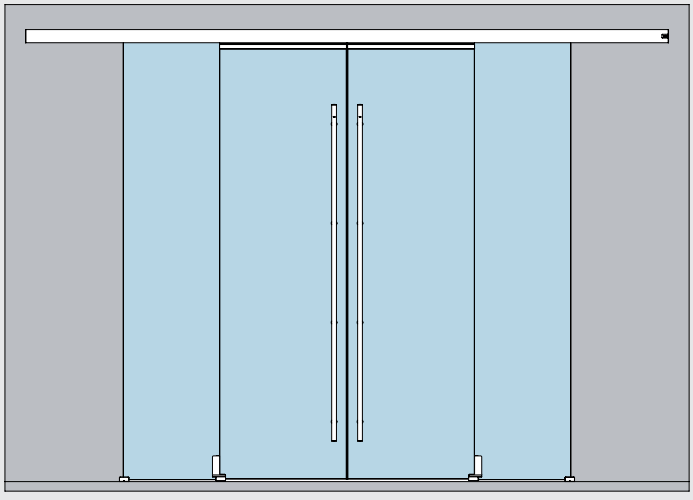
Calculation panel width
cf. glass calculations

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

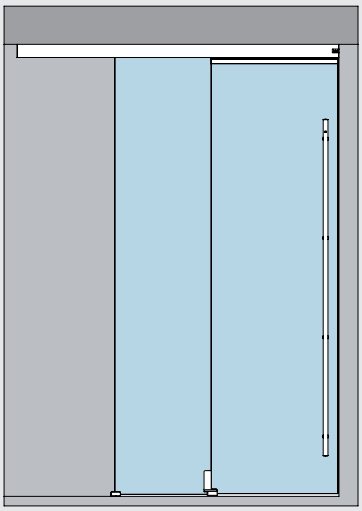
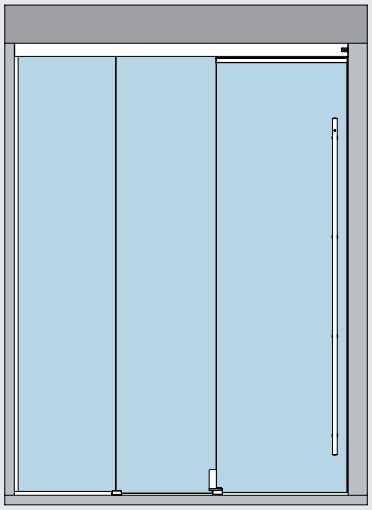
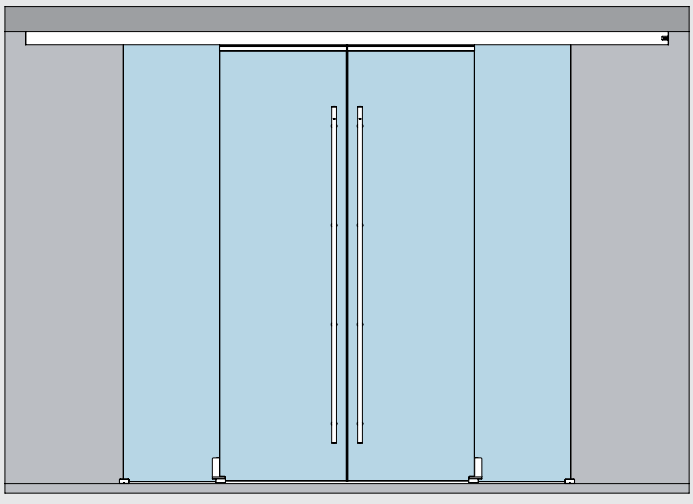
Timber door 100 mm, solid wood, for attachment to timber adapter.

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

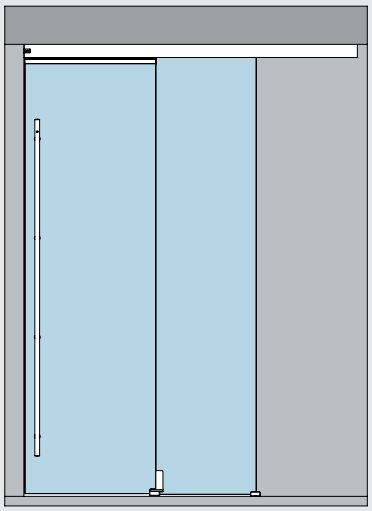
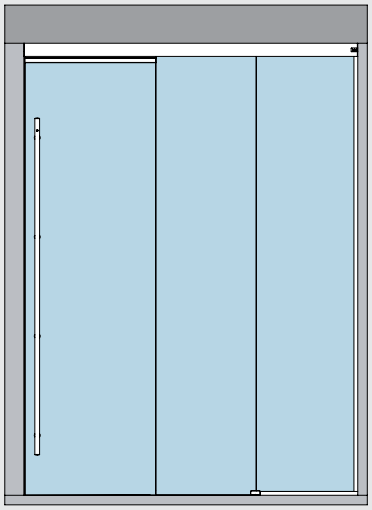
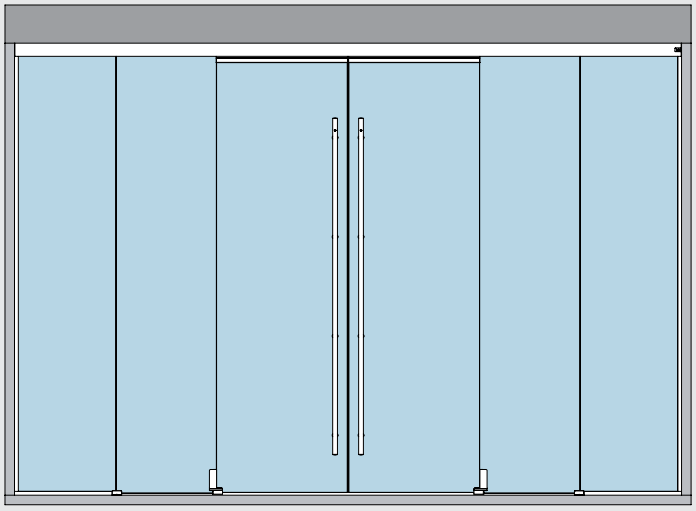
Glass door sets, with moving floor guide

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

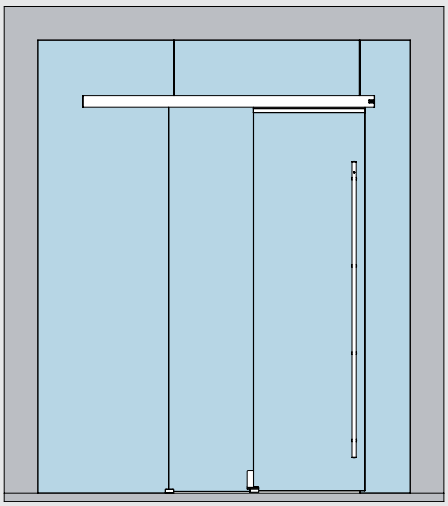
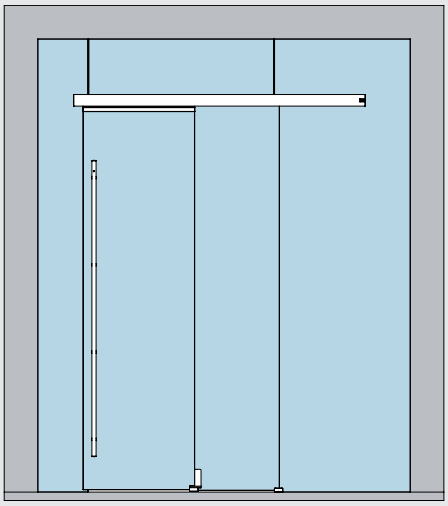
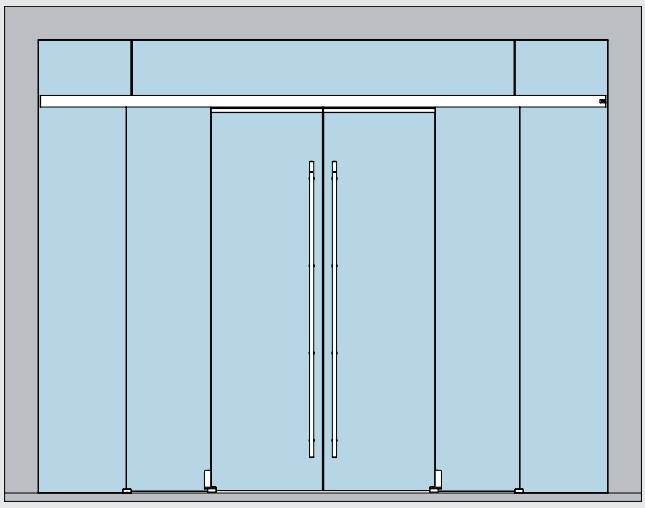
Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 4** for ceiling installation, with moving floor guide, 2 panels (left) Incl. track profile, cover profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION **Set 4.1** also for lintel/90° stopped	**36.703** **36.739**
	**MUTO Premium Telescopic 80** **Set 5** for ceiling installation, with moving floor guide, 2 panels (left) plus side panel Incl. track profile, cover profile, side panel profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.704**
	**MUTO Premium Telescopic 80** **Set 6** for ceiling installation, with moving floor guide, 4 panels (2 left /2 right) Incl. track profile, cover profile, side panel profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.710**

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

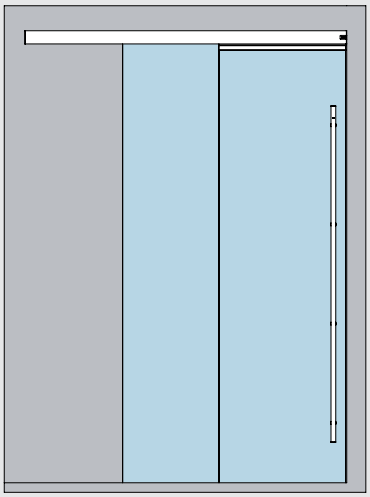
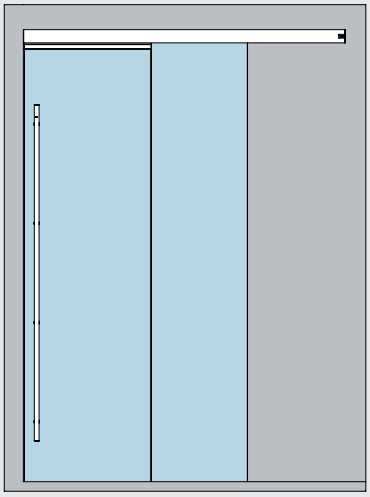
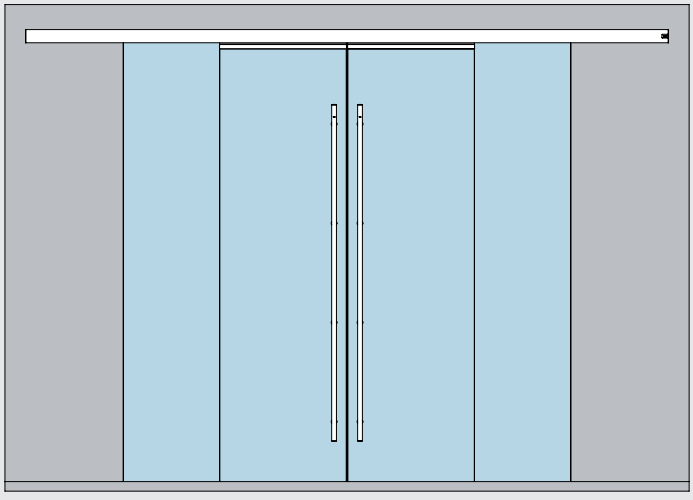
Fixed at ceiling	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 7** for ceiling installation, with moving floor guide, 2 panels (right) Incl. track profile, cover profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.705** **36.740**
	Set 7.1 also for lintel/90° stopped	
	**MUTO Premium Telescopic 80** **Set 8** for ceiling installation, with moving floor guide, 2 panels (right) plus side panel Incl. track profile, cover profile, side panel profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.706**
	**MUTO Premium Telescopic 80** **Set 9** for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right) plus side panels Incl. track profile, cover profile, side panel profiles and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.711**

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

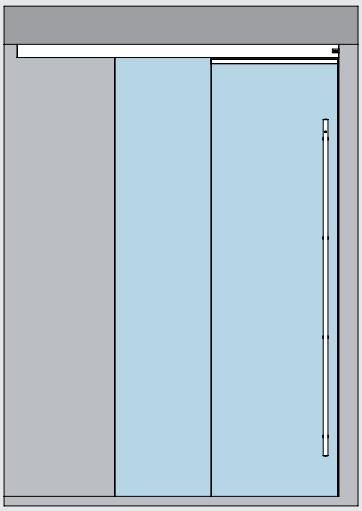
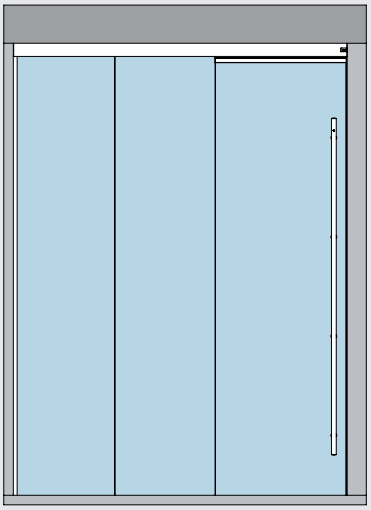
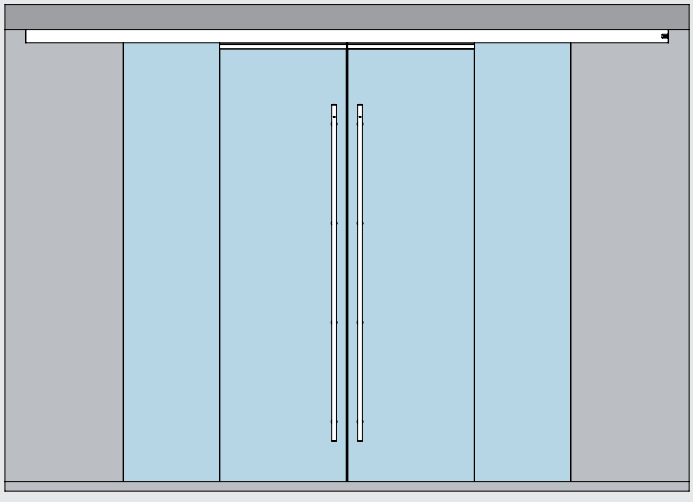
Fixed at glass	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 10** for glass installation, with moving floor guide, 2 panels (left) Incl. track profile, cover-, counter profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION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

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

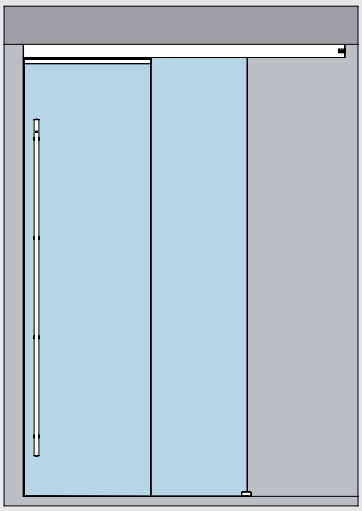
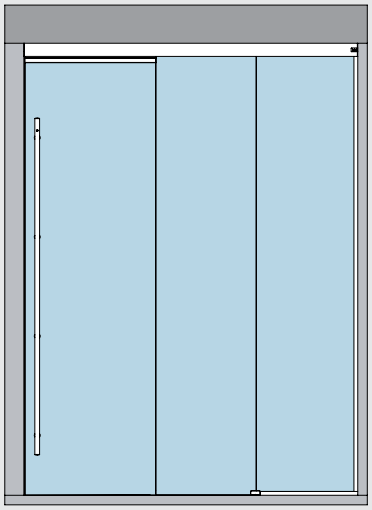
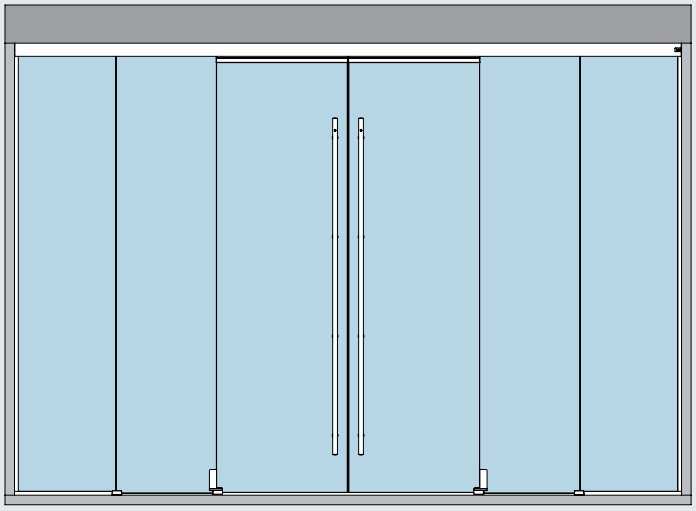
Glass door sets, with recessed floor guide profile

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

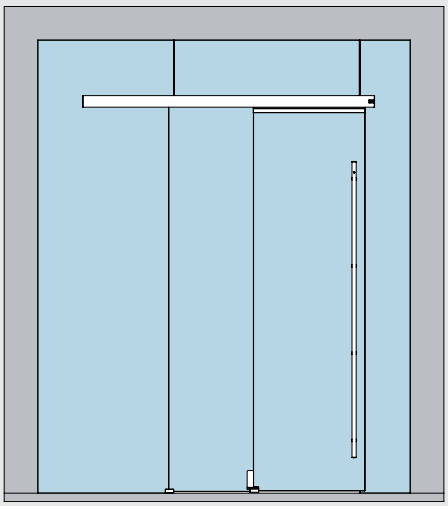
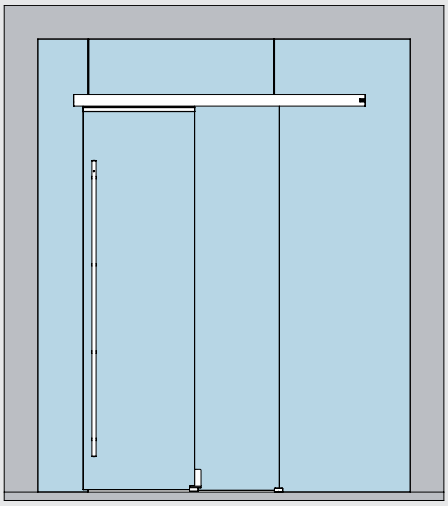
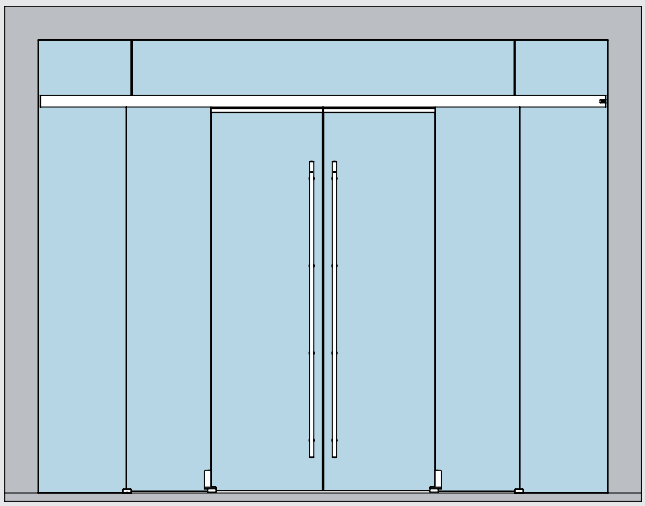
Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 16** for ceiling installation, with recessed floor guide profile, 2 panels (left) Incl. track profile, cover profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION **Set 16.1** also for lintel/90° stopped	**36.715** **36.743**
	**MUTO Premium Telescopic 80** **Set 17** for ceiling installation, with recessed floor guide profile, 2 panels (left) plus side panel Incl. track profile, cover profile, side panel profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.716**
	**MUTO Premium Telescopic 80** **Set 18** for ceiling installation, with recessed floor guide profile, 4 panels (2 left / 2 right) Incl. track profile, cover profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.722**

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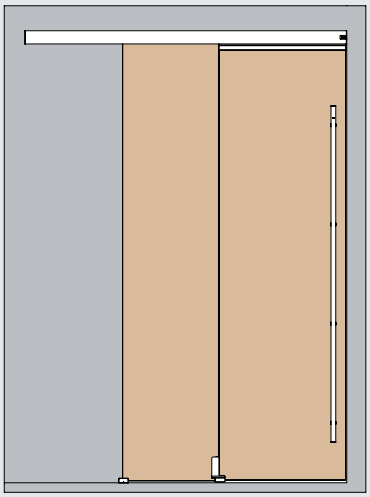
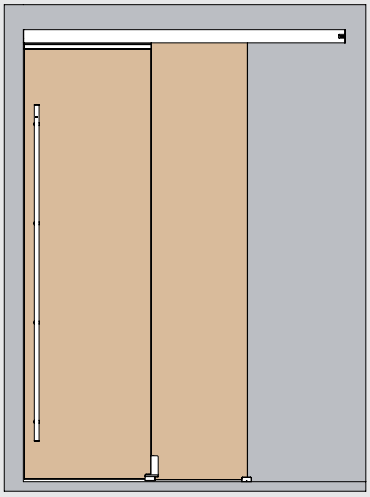
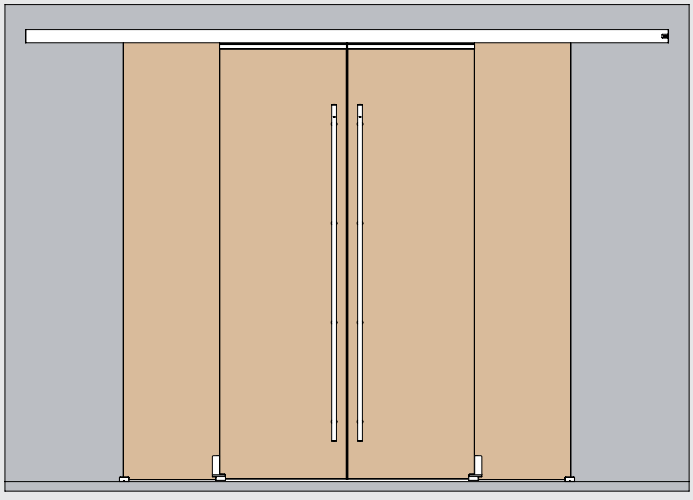
Fixed at ceiling	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 19** for ceiling installation, with recessed floor guide profile, 2 panels (right) Incl. track profile, cover profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION **Set 19.1** also for lintel/90° stopped	**36.717** **36.744**
	**MUTO Premium Telescopic 80** **Set 20** for ceiling installation, with recessed floor guide profile, 2 panels (right) plus side panel Incl. track profile, cover profile, side panel profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.718**
	**MUTO Premium Telescopic 80** **Set 21** for ceiling installation, with recessed floor guide profile, 4 panels (2 left / 2 right) plus side panels Incl. track profile, cover profile, side panel profiles and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option DORMOTION	**36.723**

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

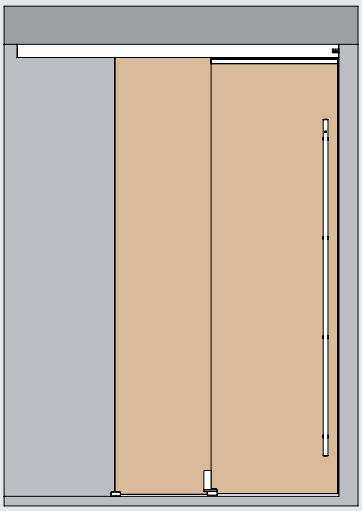
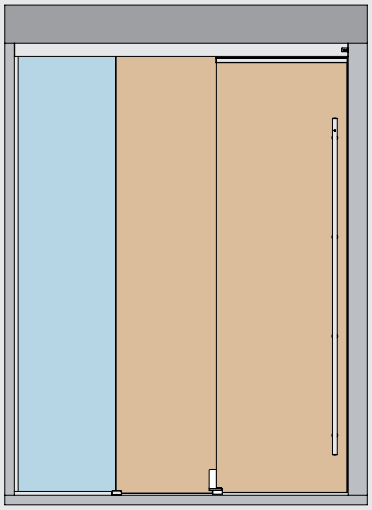
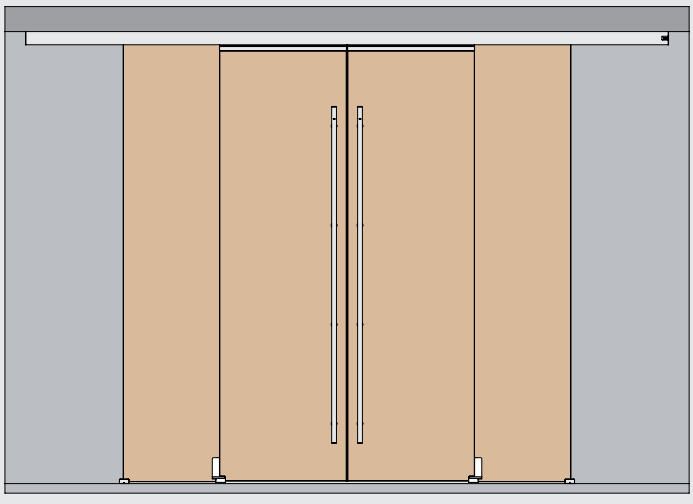
Fixed at glass	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 22** for glass installation, with recessed floor guide profile, 2 panels (left) Incl. track profile, cover-, counter profile and brushes Complete accessories for 8 – 13.5 mm glass thickness, max. 80 kg Prepared for option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

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

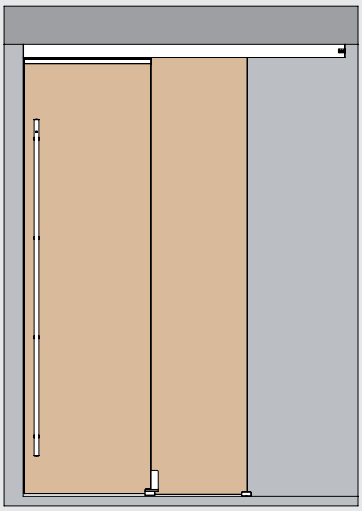
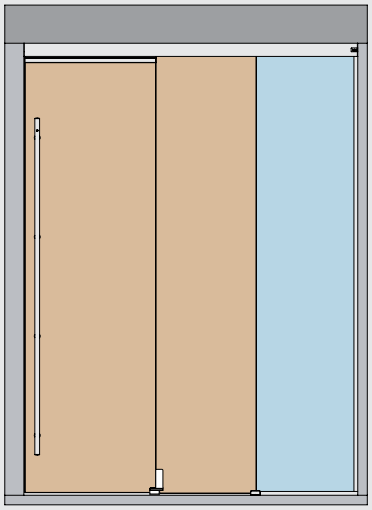
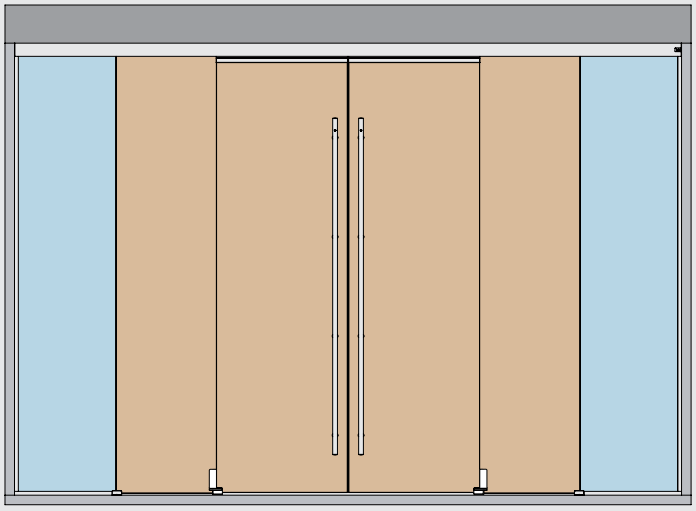
Timber door sets, with moving floor guide

Fixed at wall	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 25** for wall installation, with moving floor guide, 2 panels (left), Incl. track profile, cover profile and brushes. For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	**36.725**
	Set 25.1 also for lintel/90° stopped	**36.792**
	**MUTO Premium Telescopic 80** **Set 26** for wall installation, with moving floor guide, 2 panels (right), Incl. track profile, cover profile and brushes. For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	**36.726**
	Set 26.1 also for lintel/90° stopped	**36.793**
	**MUTO Premium Telescopic 80** **Set 27** for wall installation, with moving floor guide, 4 panels (2 left / 2 right) Incl. track profile, cover profile and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	**36.733**

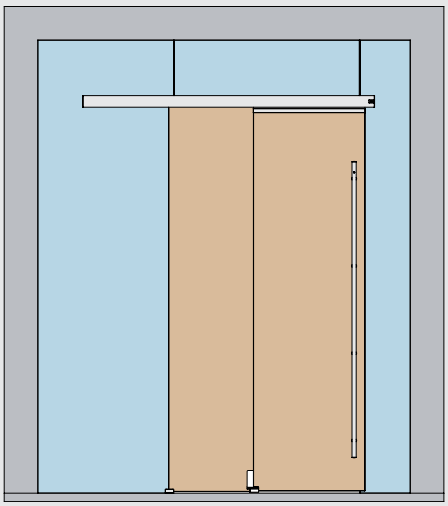
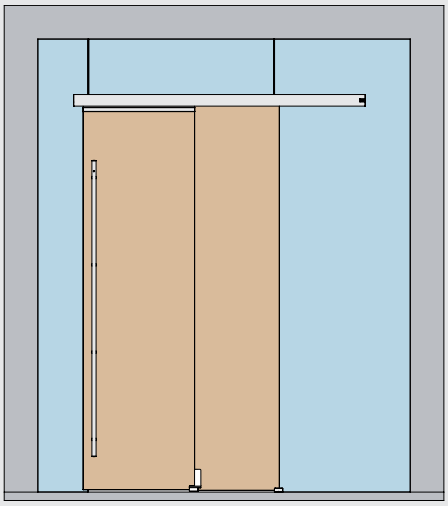
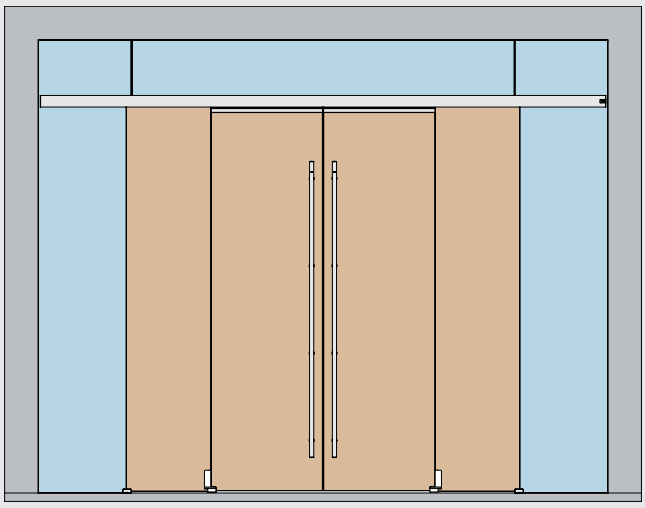
Please ensure that the order form is complete when submitting an order.

Fixed at ceiling	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 28** for ceiling installation, with moving floor guide, 2 panels (left) Incl. track profile, cover profile and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION **Set 28.1** also for lintel/90° stopped	 **36.727** **36.794**
	**MUTO Premium Telescopic 80** **Set 29** for ceiling installation, with moving floor guide, 2 panels (left) plus side panel (glass) Incl. track profile, cover profile, side panel profile and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	 **36.728**
	**MUTO Premium Telescopic 80** **Set 30** for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right) Incl. track profile, cover profile, and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	 **36.734**

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

Fixed at ceiling	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 31** for ceiling installation, with moving floor guide, 2 panels (right) plus side panel Incl. track profile, cover profile, side panel profile and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION **Set 31.1** also for lintel/90° stopped	**36.729** **36.795**
	**MUTO Premium Telescopic 80** **Set 32** for ceiling installation, with moving floor guide, 2 panels (right) plus side panel (glass) Incl. track profile, cover profile, side panel profile and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	**36.730**
	**MUTO Premium Telescopic 80** **Set 33** for ceiling installation, with moving floor guide, 4 panels (2 left / 2 right) plus side panels Incl. track profile, cover profile, side panel profiles and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	**36.735**

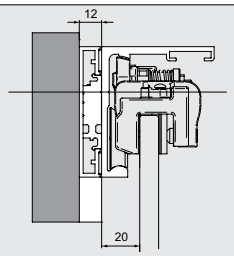
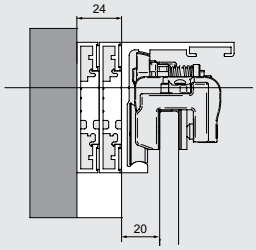
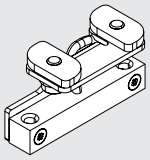
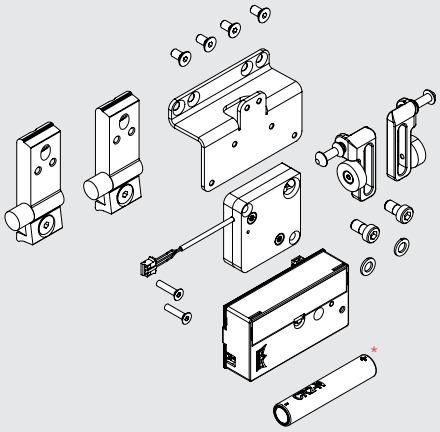
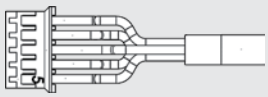
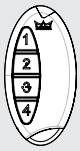
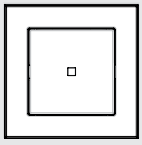
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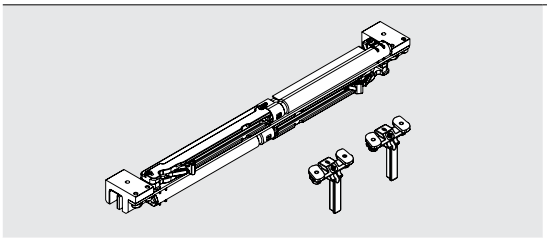
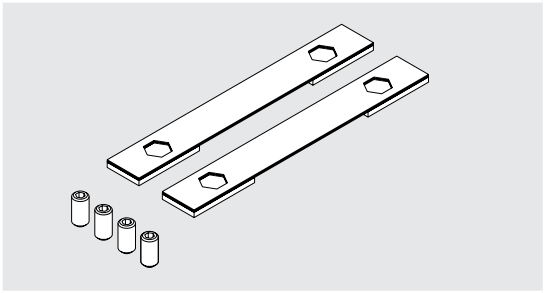
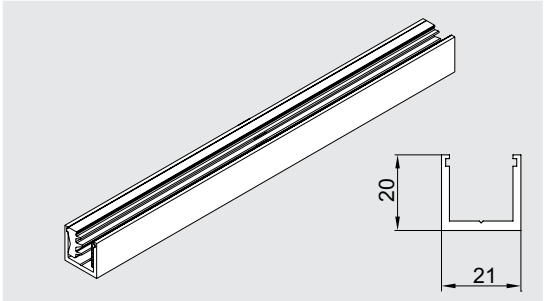
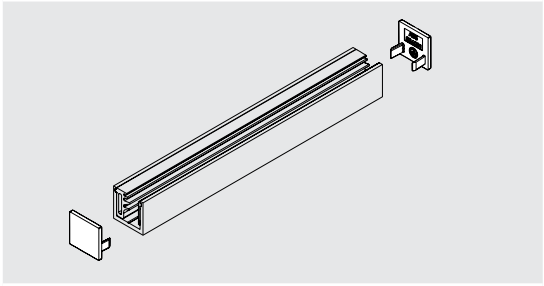
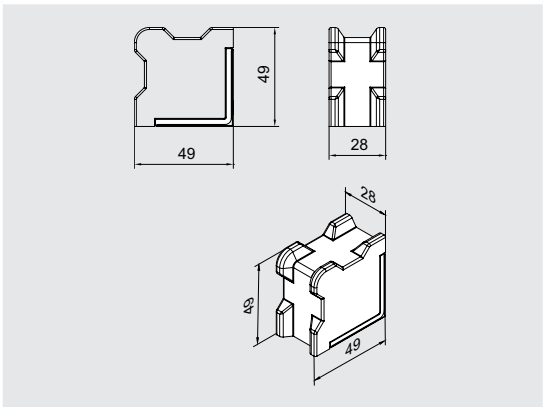
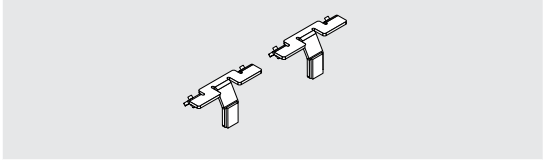
Fixed at glass	Product description	Art. No.
	**MUTO Premium Telescopic 80** **Set 34** for glass installation, with moving floor guide, 2 panels (left) Incl. track profile, cover-, counter profile and brushes For 28 – 50 mm timber elements, max. 80 kg Prepared for option DORMOTION	**36.731**
	**MUTO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

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

Space for your notes

Component parts

	Product description	Art. No.
	**MUTO Premium - balance profile set** 12 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length	**36.870**
	**MUTO Premium - balance profile set** 24 mm, for installation over an existing door frame; compensates for the frame thickness; fixed length	**36.871**
	**Comfort** Status-Indicator set with complete accessory (sensor, cable etc.)	**36.840**
	**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 **Comfort** * Battery for re-ordering	**36.842** **36.845**
	**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**
	**Comfort** Locking device Portable radio remote control	**36.848**
	**Comfort** Locking device Wall switch incl. radio remote control	**36.849**

	Product description	Art. No.
	**MUTO Premium Telescopic 80** DORMOTION unit incl. starter	**36.786**
	**Comfort** LSG set Accessory set for use with LSG for one pair of clamp carrier	**36.468**
	**Comfort** Floor profile for side panel fixing, complete with all gaskets, Profile for 8 – 13.5 mm glass stock length 6,000 mm fixed length mm*	 **36.810** **36.811**
	**Comfort** Set endcaps for floor profile - side panel fixing	**36.812**
	**Floor stop** Individually applicable for all options (glass or timber elements)	**36.851**
	**MUTO spacer (2 pieces)** for the installation at ceiling between **two** walls	**36.890**

* to be defined by customer

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RS 120 / RS 120 Synchro

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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.

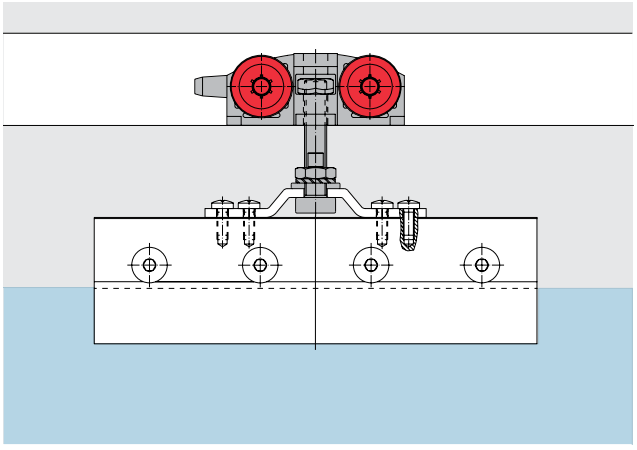
As a matter of course the sidelight profile can be provided with clip-on covers. Furthermore the free sidelight profile in the passage area can be covered from below by a bottom view protection profile.

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.

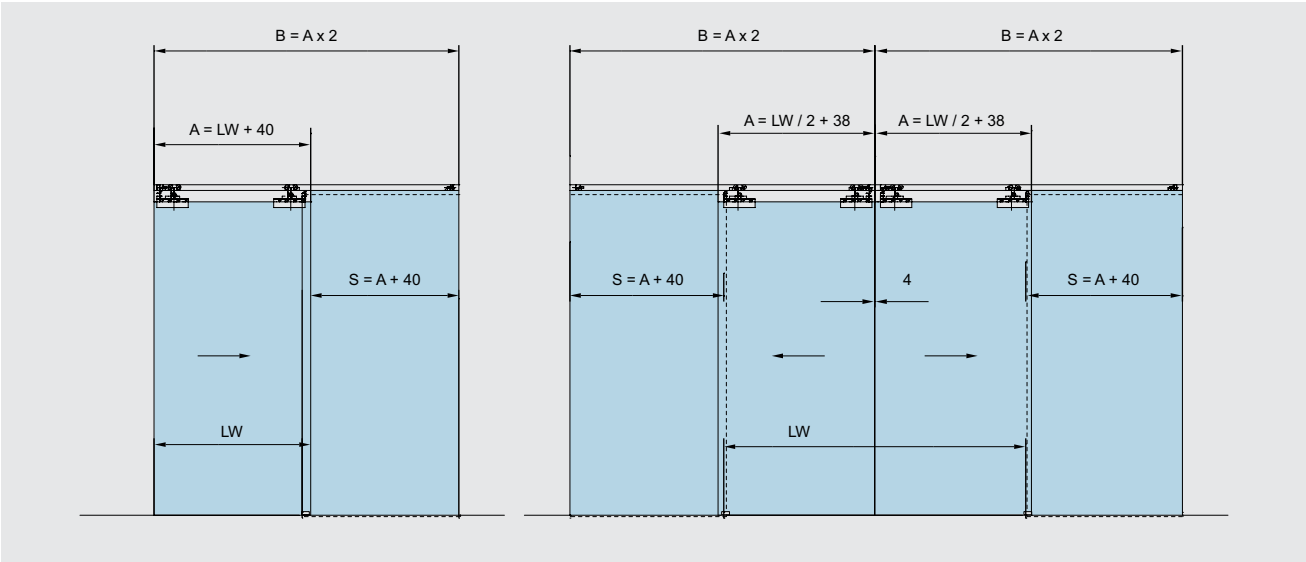
End stop and holder
There is a clever device in the track which operates as a cushioned end stop, retaining the door securely in the end positions.

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.

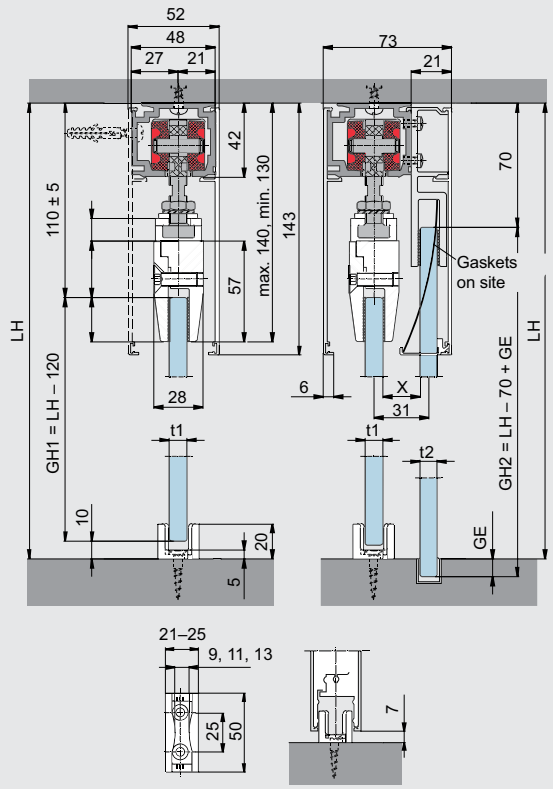
No glass preparation
dormakaba has a wide experience in working with toughened glass, and this has led to the development of a clamping system which is all that is required for securing the glass blades in the RS sliding door gear. This has the additional benefit of allowing some door height adjustment, 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 mm + GE (see drawing right hand)

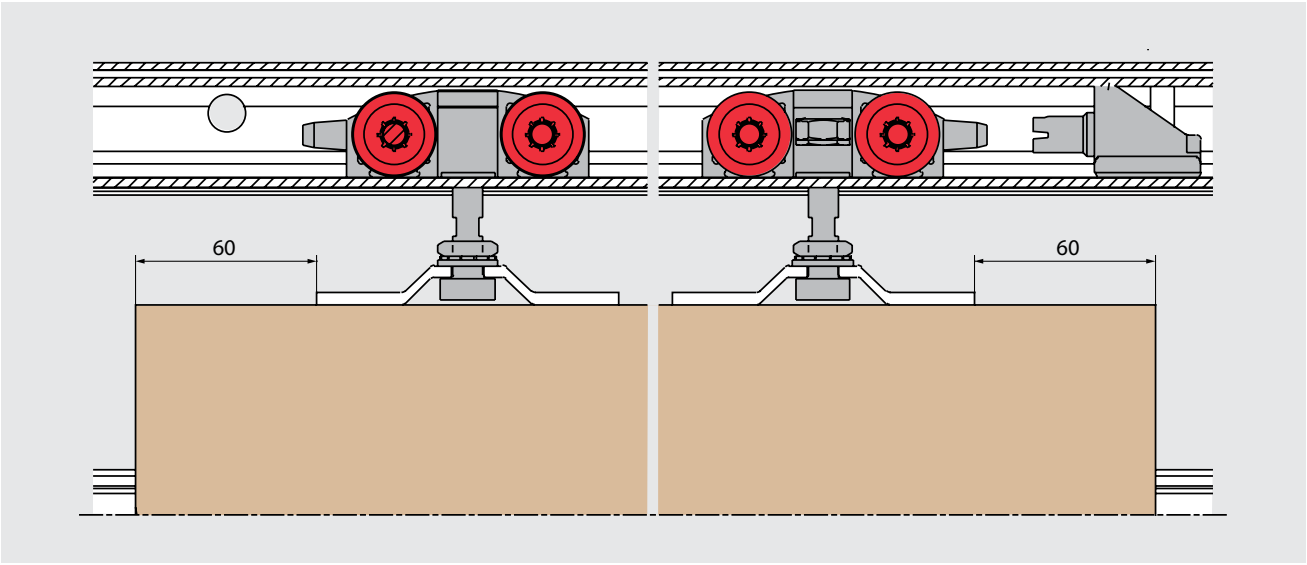
Calculation of glass width
Width of sliding door leaf:
A = LW + 40 (min. 500)

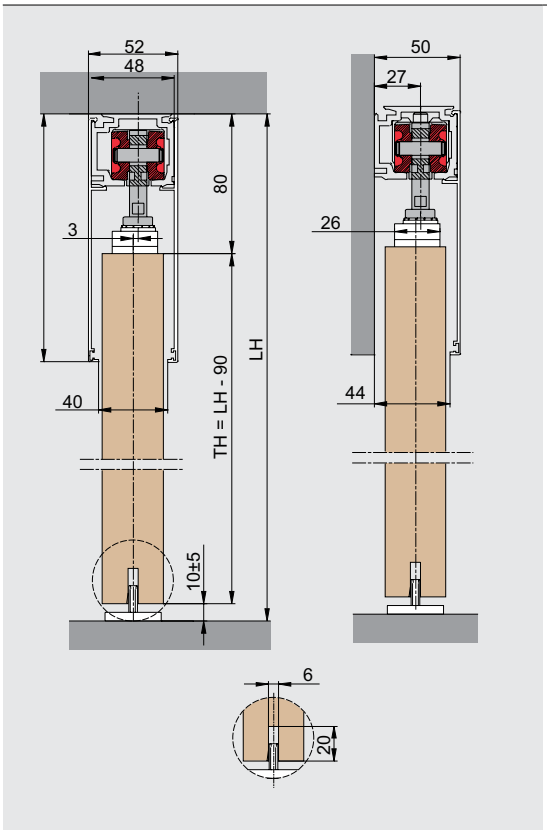
Width of sidelight:
S = A + 40

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 117).

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

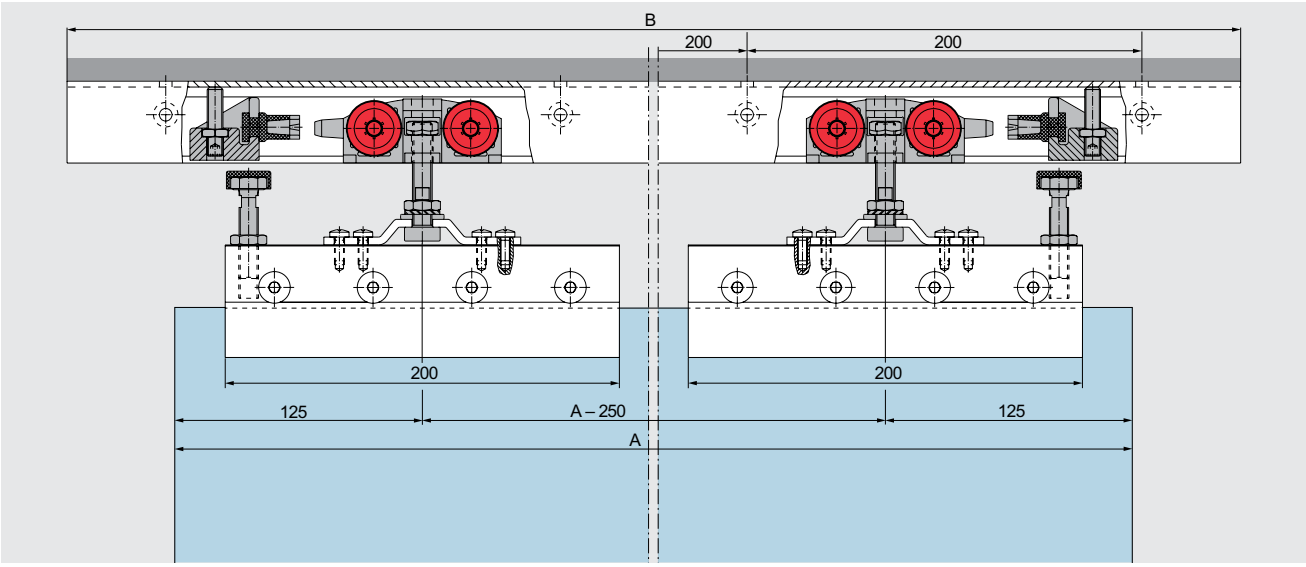
Sliding door system for timber doors



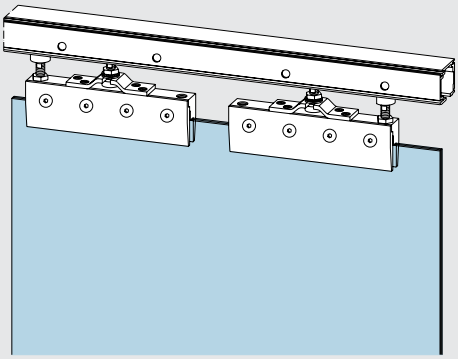
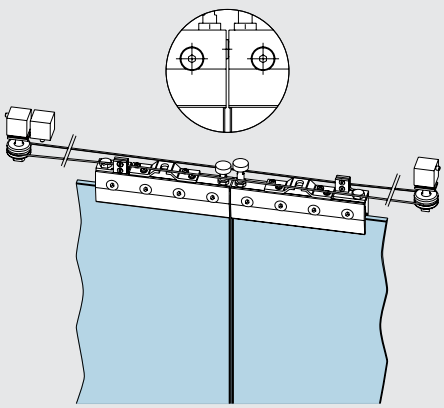
Sliding door system for timber doors	Product description	No. of carriers	max weight (kg) per door leaf
	**RS 120** For one or more door panels. **Calculation of door panel height** Height of sliding door leaf: TH = LH – 90 (see drawing left hand)	2	120

TH = door height
LH = clear opening height

Type illustrations ceiling installation

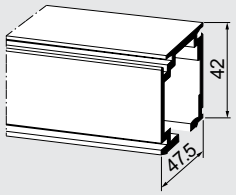
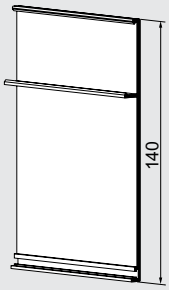
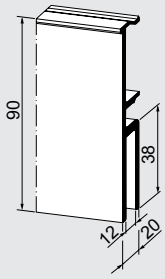
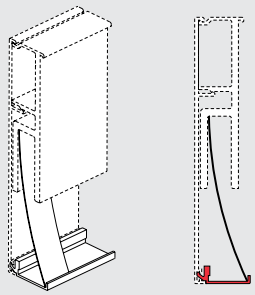


Opening to right side, Closing to left side (DIN Left)

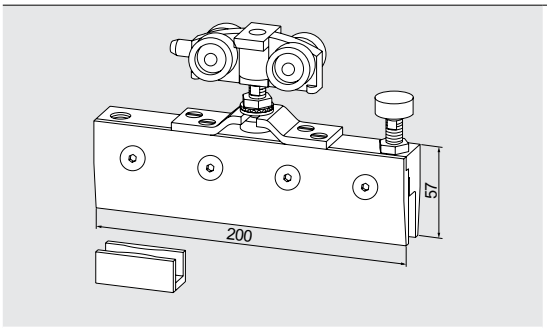
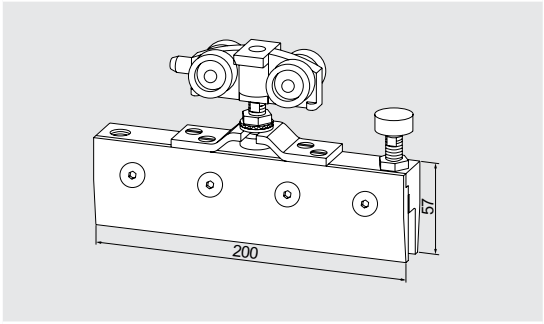
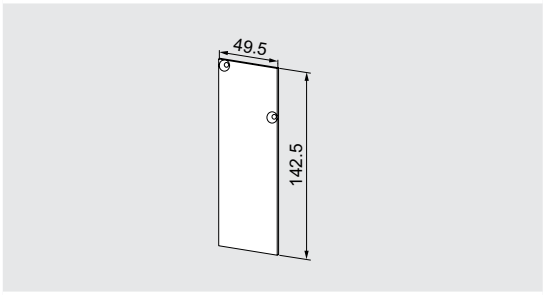
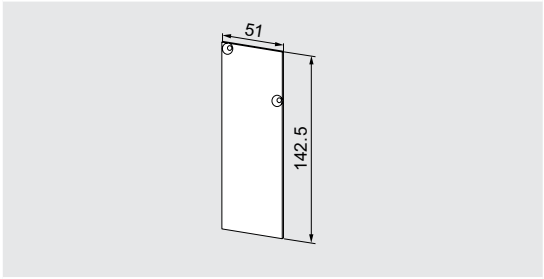
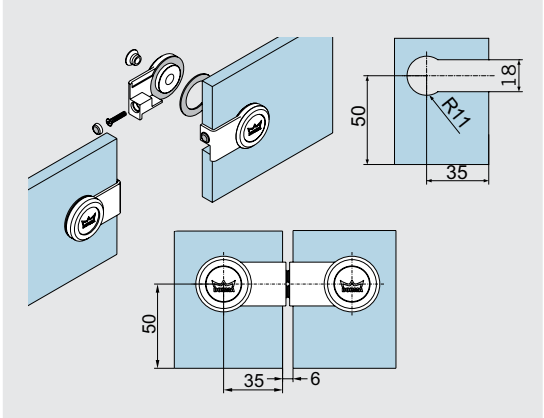
Fixed at ceiling	Product description	Track length B in mm	Weight in kg	Art. No.
	**Sliding door gear RS 120 complete, consisting of:** 1 track, 2 carriers with clamping patches and support screw for 8 and 10 mm glass thicknesses, 2 end stops and 1 floor guide.	1,900 2,900	4.503 5.858	**07.101** **07.102**
	**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 116).

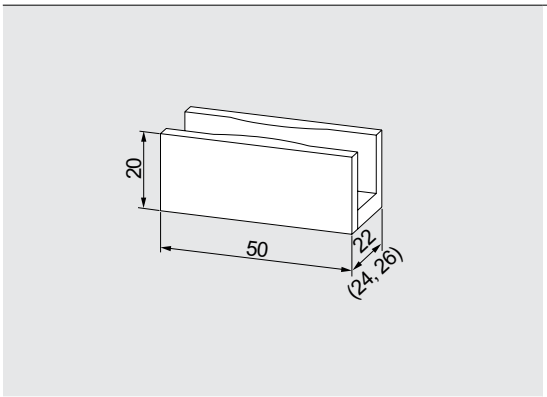
Component parts RS 120/RS 120 Syncro

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

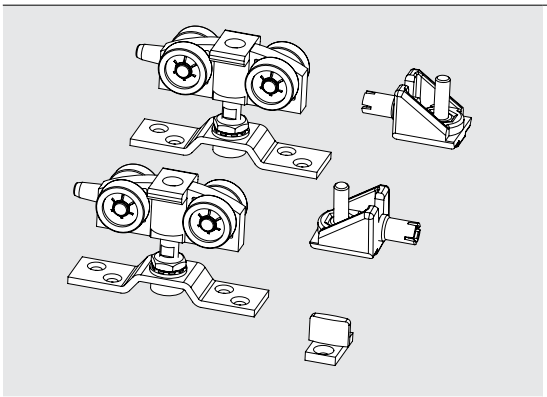
Accessories RS 120/RS 120 Syncro

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

Floor guide

	Product description	Weight in kg/m	Art. No.
	**Floor guide,** adjustable	0.024	**07.126**

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

122 **General information**

124 **Set type 4.1/4.2**

126 **Set type 5.1/5.2**

128 **Set type 6.1/6.2**

178 **Accessories**

191 **Safety-related information**

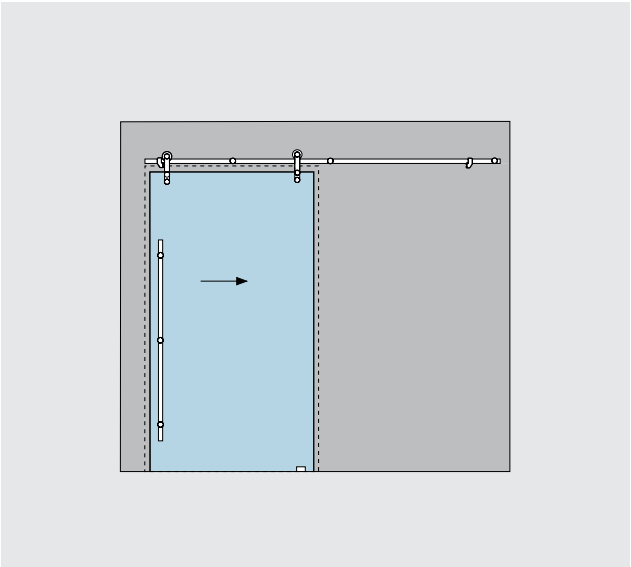
All elements -including the pull handles- are available in an elegant stainless steel finish.
All the components are manufactured from the steel grade 1.4305 (approx. AISI 303) for normal interior applications.
For damp room or external applications (but not for saunas or swimming pools), special selected 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

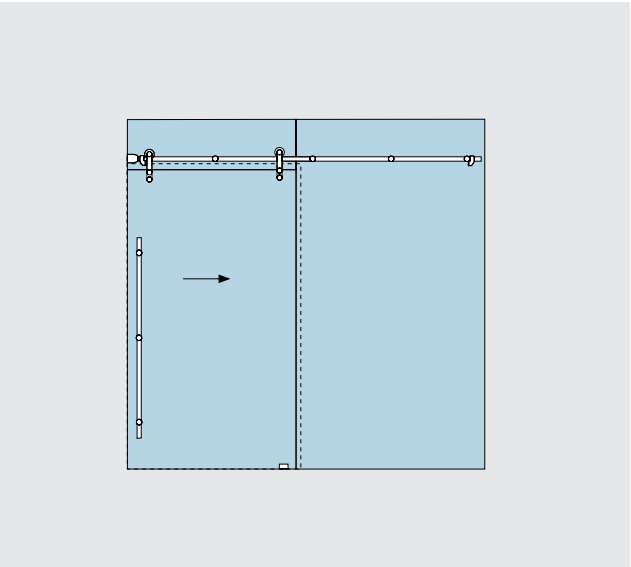
MANET Compact Sets



Set 4.1/4.2

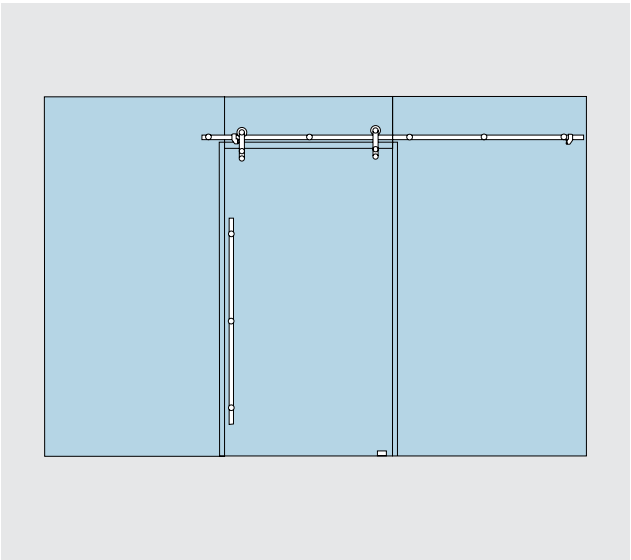
The aesthetic elegance of the MANET Compact concept is also available in the form of standardized sets for simple, fast planning of the more popular system types.

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

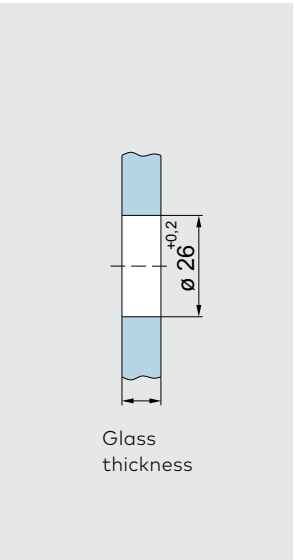


Set 5.1/5.2

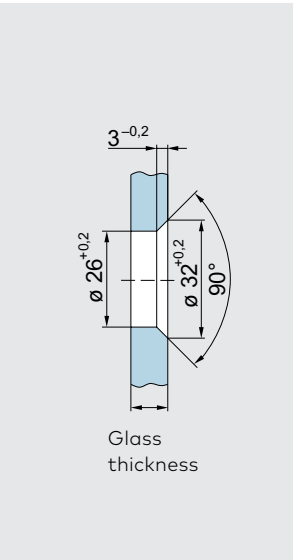
The system components offer numerous adjustment possibilities in order to ensure problem-free installation of whichever door type – sliding or swing, single action or double action – is required. Wall abutment profiles may need to be provided (by others) for fixing over-panels and sidelights. see dormakaba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



Set 6.1/6.2



Cylindrical bore for clamping disc single-point fixings

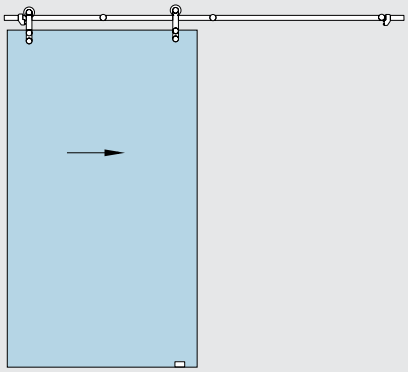


Countersunk bore for countersunk single-point fixings



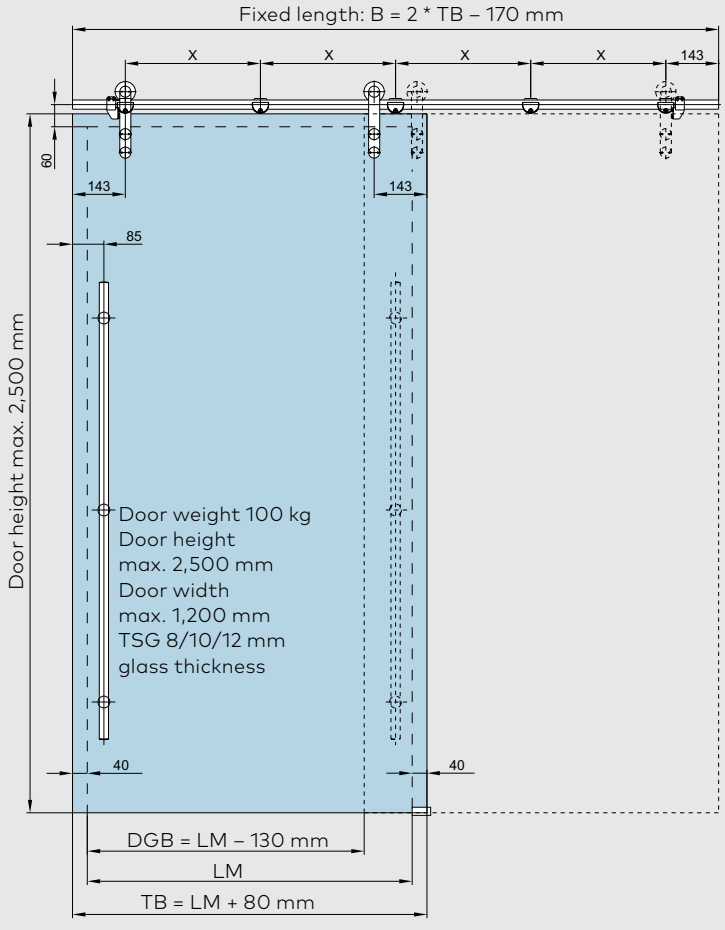
Set 4.1/4.2

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**

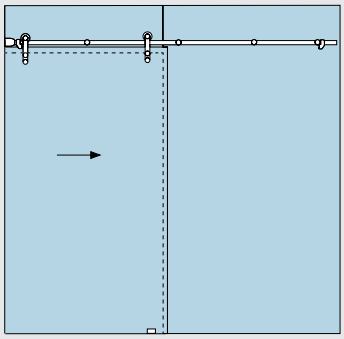
Accessory options for Set 4.1/Set 4.2

Pull handles / Recessed pull grip			
Pull handles	Length 350 mm Length 720 mm Length 1,240 mm Length 1,760 mm	**29.268** **29.271** **29.274** **29.277**	**21.240** **21.241** **21.242** **21.243**
Pair of pull handles	Length 350 mm Length 720 mm Length 1,240 mm Length 1,760 mm	**21.267** **21.270** **21.273** **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 for 10 mm glass for 12 mm glass	**21.292** **21.293** **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 stock length 6,000 mm	**21.432** **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

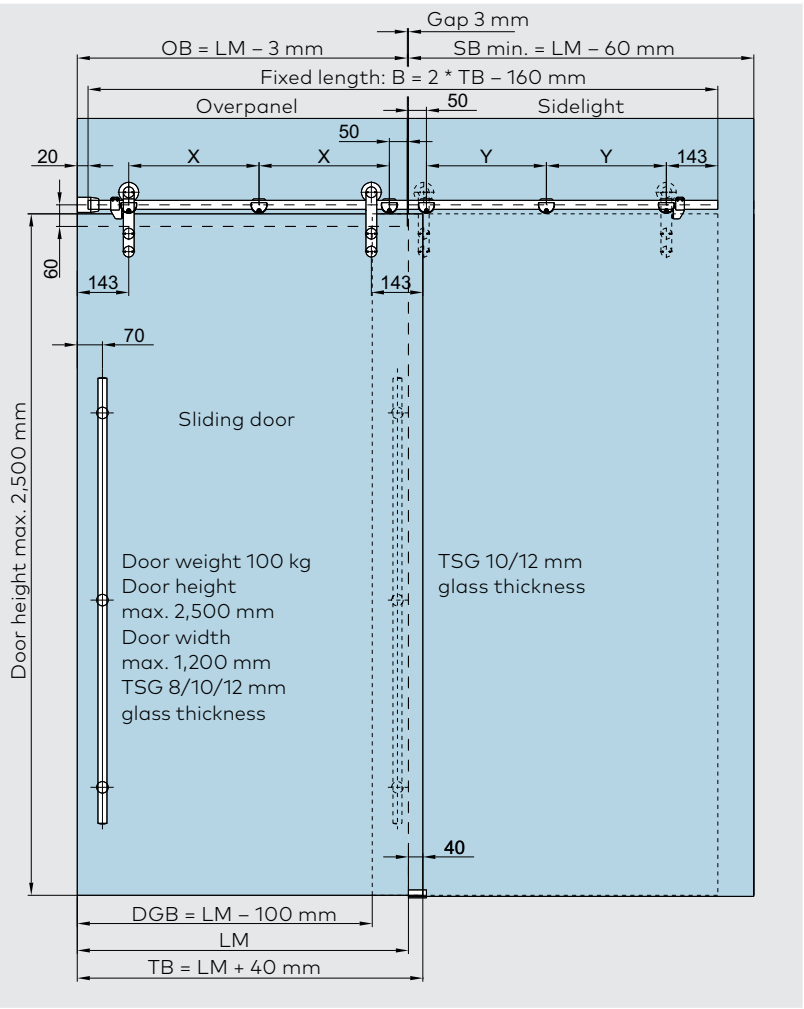
Sliding door MANET COMPACT for installation at glass, one side attached to masonry



**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	X	=	Center distance between single-point fixings overpanel (OB – 193) * 1/2
TB	=	Door width			
DGB	=	Entry width	Y	=	Center distance between single-point fixings sidelight Y = X – 29
SBmin.	=	Min. sidelight width			
B	=	Tubular track length	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**

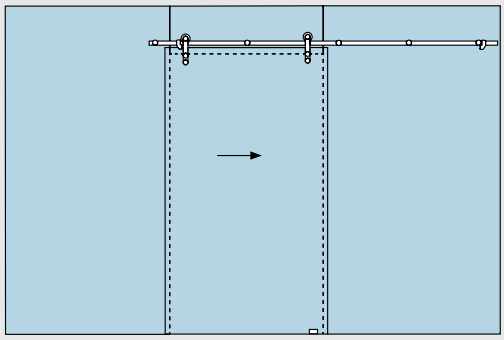
Accessory options for Set 5.1/Set 5.2

Pull handles / Recessed pull grip			
Pull handles	Length 350 mm Length 720 mm Length 1,240 mm Length 1,760 mm	**29.268** **29.271** **29.274** **29.277**	**21.240** **21.241** **21.242** **21.243**
Pair of pull handles	Length 350 mm Length 720 mm Length 1,240 mm Length 1,760 mm	**21.267** **21.270** **21.273** **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 for 10 mm glass for 12 mm glass	**21.292** **21.293** **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 stock length 6,000 mm	**21.432** **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

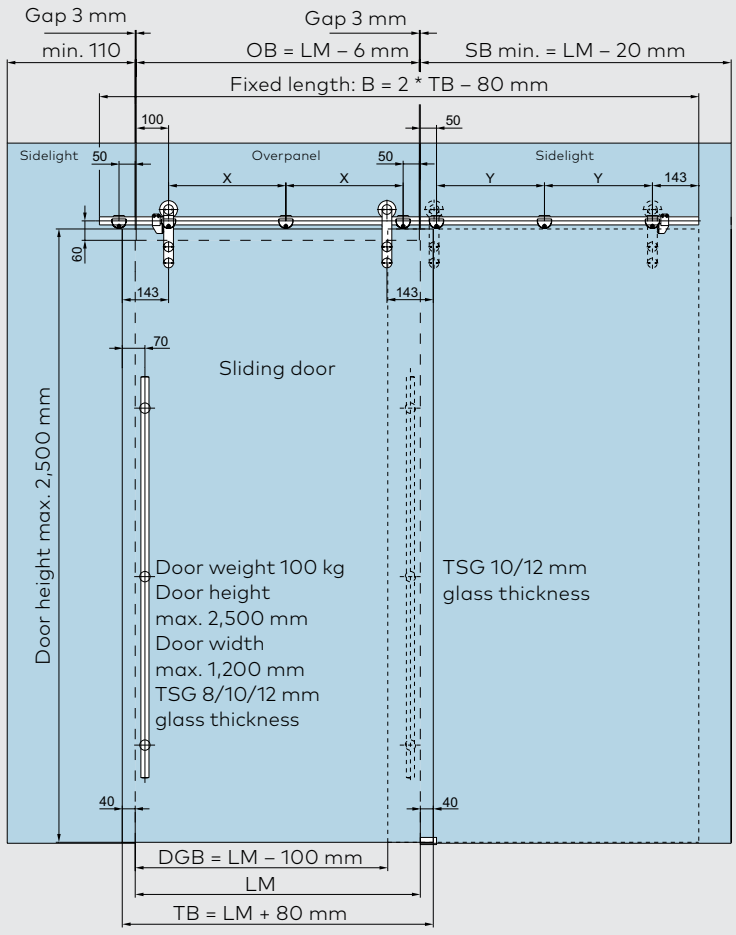
Sliding door MANET COMPACT for installation at glass, sidelights on both sides



**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	B	=	Tubular track length
TB	=	Door width	X	=	Center distance between single-point fixings overpanel (OB – 150) * 1/2
DGB	=	Entry width			
OB	=	Overpanel width	Y	=	Center distance between single-point fixings sidelight Y = X – 29
SBmin.	=	min. sidelight width			

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: 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		**29.920**	**29.921**
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 Length 720 mm Length 1,240 mm Length 1,760 mm	**29.268** **29.271** **29.274** **29.277**	**21.240** **21.241** **21.242** **21.243**
Pair of pull handles	Length 350 mm Length 720 mm Length 1,240 mm Length 1,760 mm	**21.267** **21.270** **21.273** **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 for 10 mm glass for 12 mm glass	**21.292** **21.293** **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 stock length 6,000 mm	**21.432** **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

MANET Concept Sliding door system

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133 **Roller carrier**

134 **Track rail**

142 **Accessories**

144 **Glass preparation**

142/178 **Accessories**

191 **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.

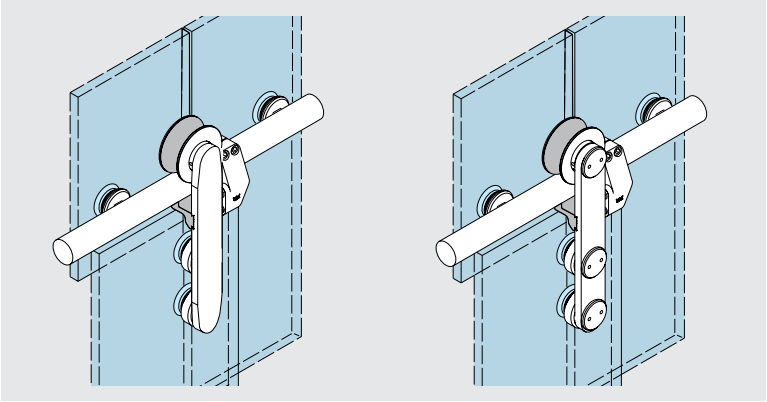


Roller carrier TREND



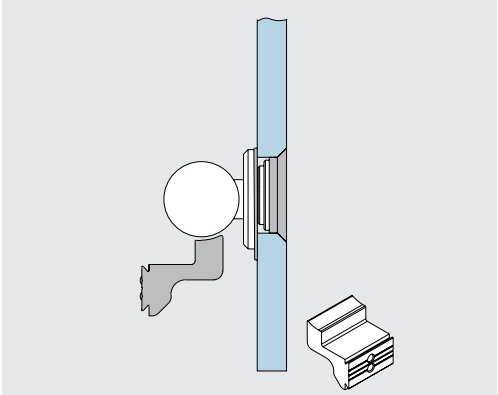
Roller carrier CLASSIC

Glass connection with drilled solid tracks



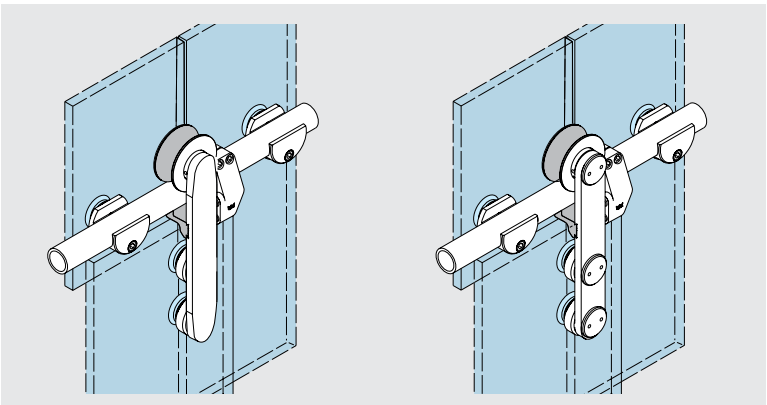
Roller carrier TREND

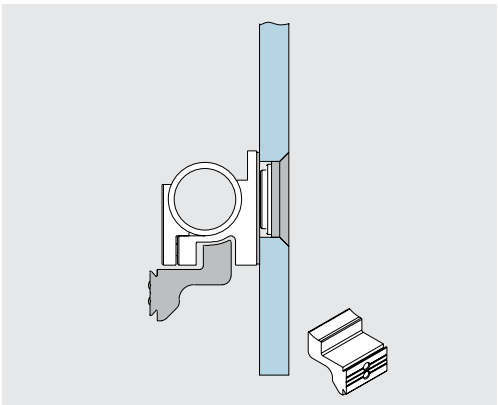
Roller carrier CLASSIC



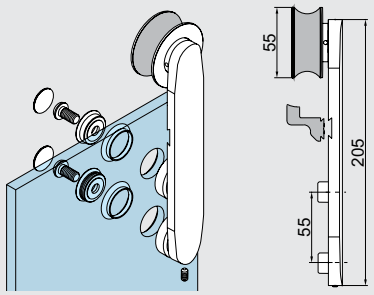
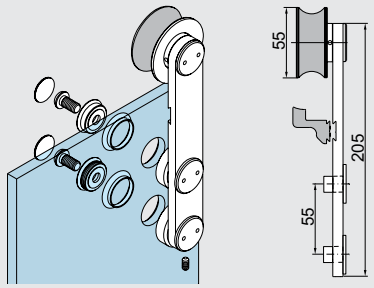
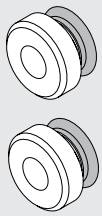
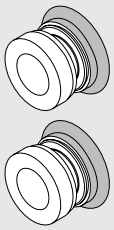
Towards securing the panel an accordant anti-jump device for solid and tubular tracks will be used.

Glass connection with clamp fixing and tubular tracks

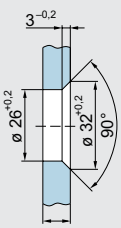




Roller carrier

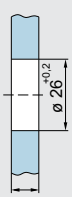
	Product description	Glass thickness	Art. No.
	**Roller carrier TREND** incl. anti-jump device only lug with roller		**29.424**
	**Roller carrier CLASSIC** incl. anti-jump device only lug with roller AISI 316L		**29.422** **29.423**
	**Single-point fixing** **for roller carrier, 2 pcs. each** countersunk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

TSG



Glass thicknessv

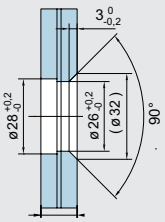
Countersunk bore for countersunk single-point fixings



Glass thickness

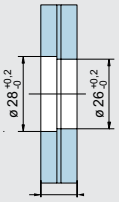
Cylindrical bore for clamping disc single-point fixings

LSG



Glass thickness

Countersunk bore for countersunk single-point fixings



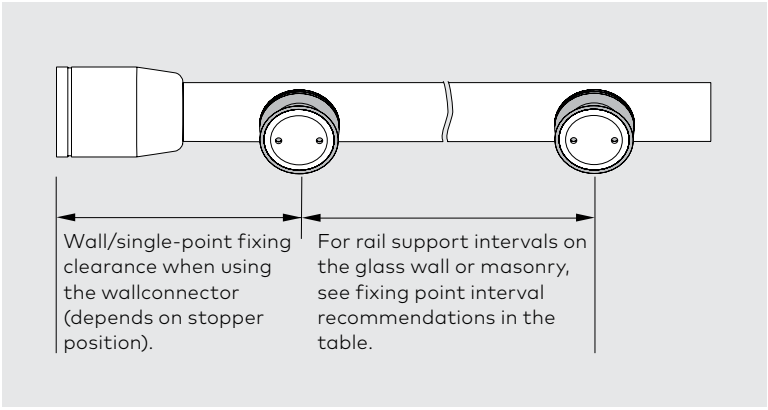
Glass thickness

Cylindrical bore for clamping disc single-point fixings

Solid track and accessories

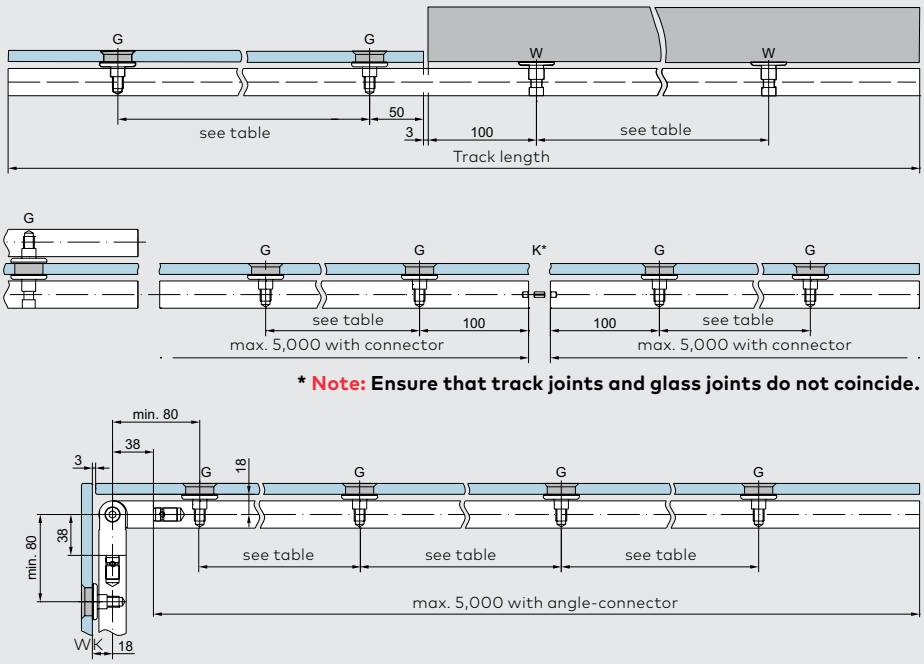
Track supply and installation
The track rail for the sliding door is prefabricated according to the customer's drawing and supplied together with the glass or wall brackets ordered for the application concerned.

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.

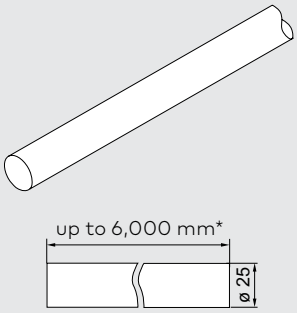
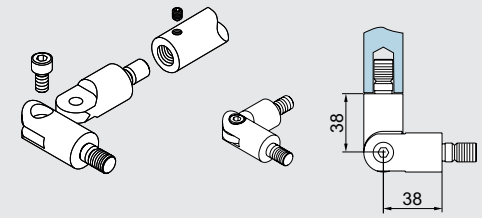
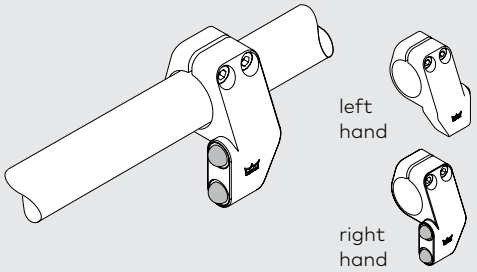
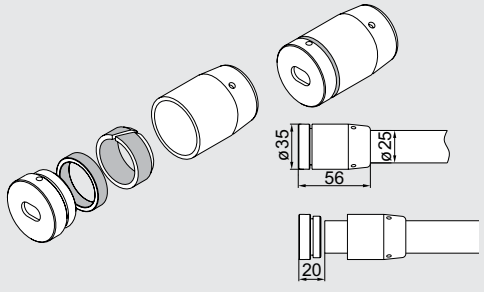
Required dimensions for the track production

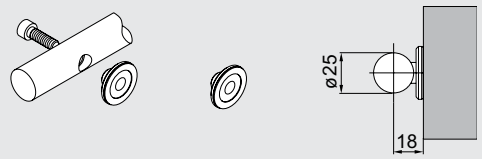


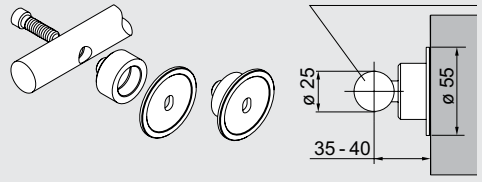
G = Fixing point at glass
W = Fixing point at wall
K = Connection
WK = Angle-connection

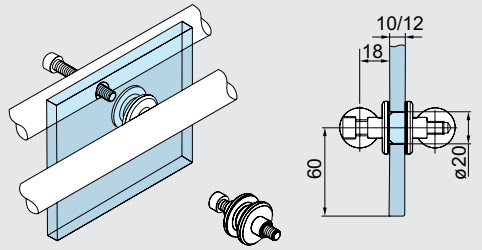
Recommended distance of the track fixing points

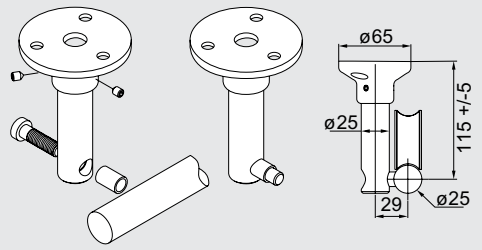
Door height in mm	Door width in mm: 700			800			900			1,000			1,100			1,200			1,300			1,400		
	Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm		
	8	**10**	**12**	**8**	**10**	**12**	**8**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

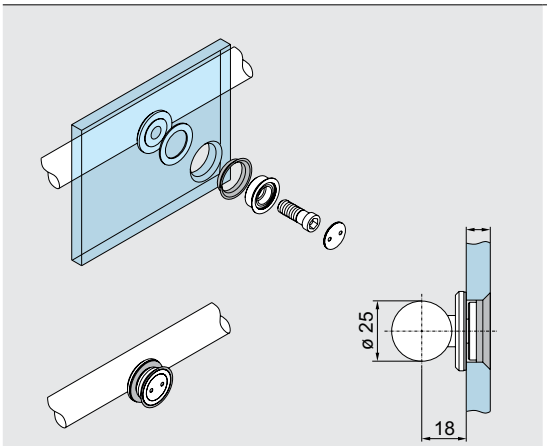
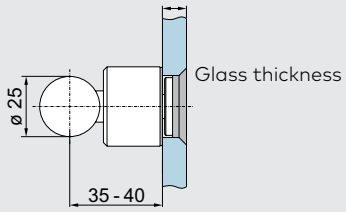
	Product description	Art. No.
 *max. single length 5,000 mm by coupling	**Solid track** The track rail is prefabricated per customer specifications/ drawing with all the necessary drill holes already provided.	
	Track, drilled for fixing at glass fixed length up to 6,000 mm	**21.405**
	AISI 316L	**21.456**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

Solid track fixing at wall	Product description	Art. No.
	**Flange for fixing the track at wall** AISI 316L	**21.346** **21.347**

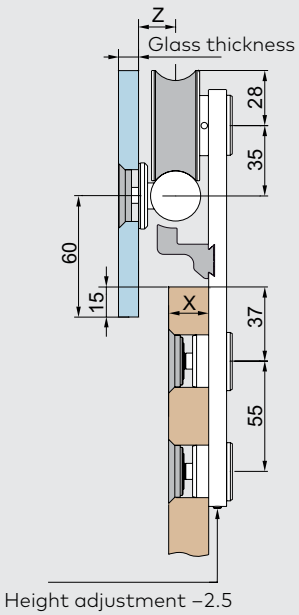
Solid track fixing at wall, adjustable	Product description	Art. No.
 2-dimensional adjustment via oblong hol	**Flange for fixing the track at wall, adjustable** Adjustment + 5 mm Note: min. distance glass to wall 32 mm	**21.412**

Fixing a double track	Product description	Art. No.
	**Fixing for double track**	**21.170**

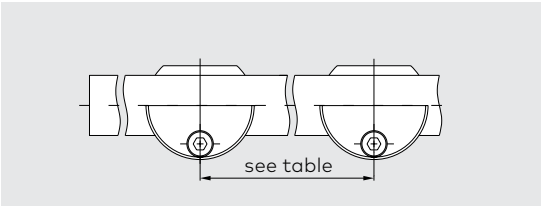
Solid track fixing at ceiling	Product description	Art. No.
	**Ceiling retainer for track** carrying function	**21.315**

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 mm	**Z** mm	max. door weight kg	Single-point fixing **fixed** for track **Art. No.**		Single-point fixing **centering** for track **Art. No.**		Flange for track **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**



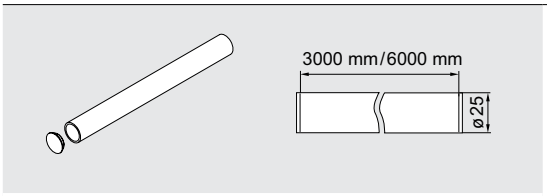
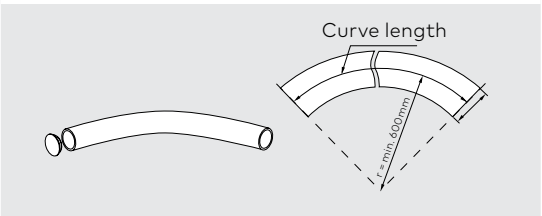
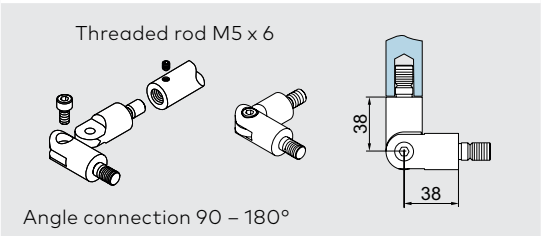
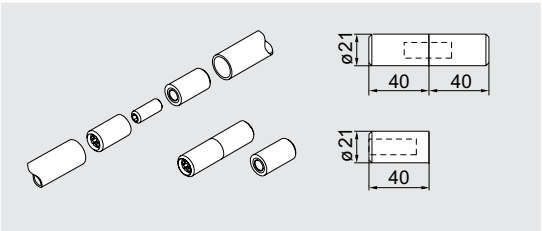
Tubular tracks and accessories

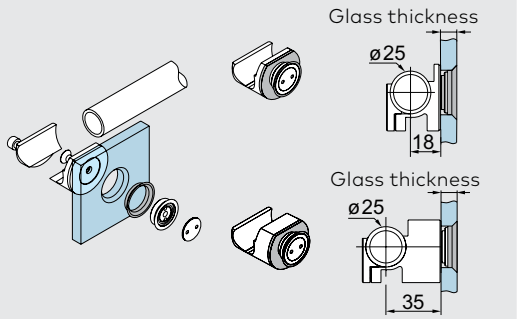


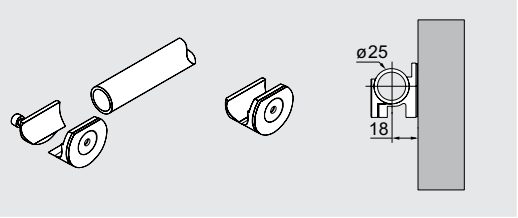
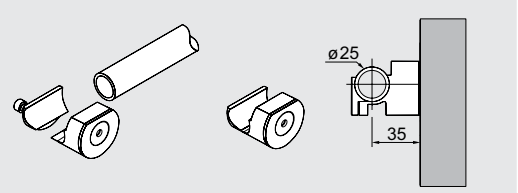
Recommended distance of the track fixing points

Door width in mm

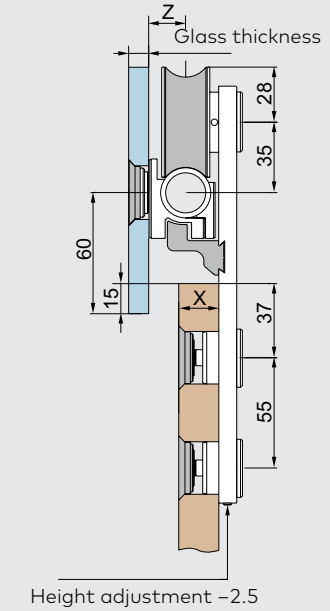
Door height in mm	700			800			900			1,000			1,100			1,200			1,300			1,400		
	Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm			Glass thickness mm		
	8	**10**	**12**	**8**	**10**	**12**	**8**	**10**	**12**	**8**	**10**	**12**	**8**	**10**	**12**	**8**	**10**	**12**	**8**	**10**	**12**	**8**	**10**	**12**
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
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
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
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
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
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	–
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	–

	Product description	Art. No.
	**Tubular track** incl. end plugs	
	stock length 3,000 mm AISI 316L	**21.527** **21.530**
	Fixed length up to 6,000 mm AISI 316L	**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**

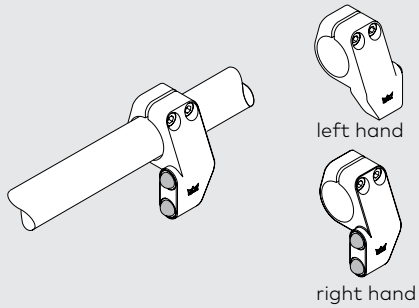
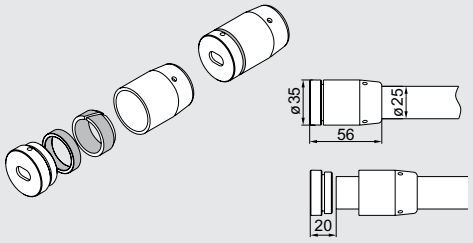
Tubular track fixing at glass	Product description	Art. No.
	**Clamp fixing** for tubular track at glass	
	single-point fixing countersunk*	**29.176**
	AISI 316L	**29.185**
	single-point fixing, clamping disc*	**29.177**
	AISI 316L	**29.186**
	16 mm extended single-point fixing countersunk*	**29.179**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

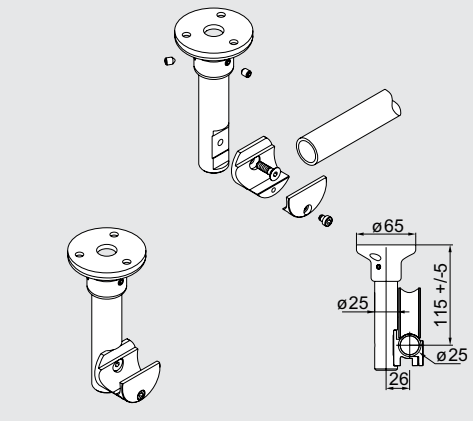
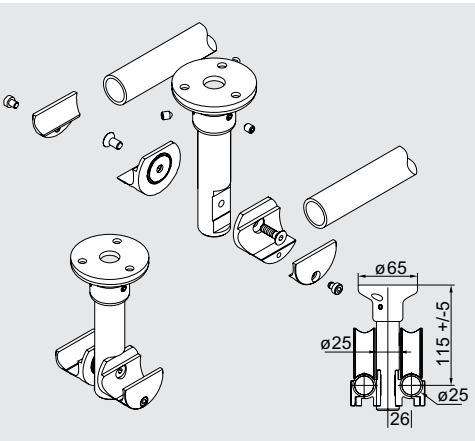
Tubular track fixing at wall	Product description	Art. No.
	**Clamp fixing** for tubular track at wall AISI 316L	**29.175** **29.184**
	**Clamp fixing** for tubular track at wall 16 mm extended AISI 316L	**29.178** **29.187**

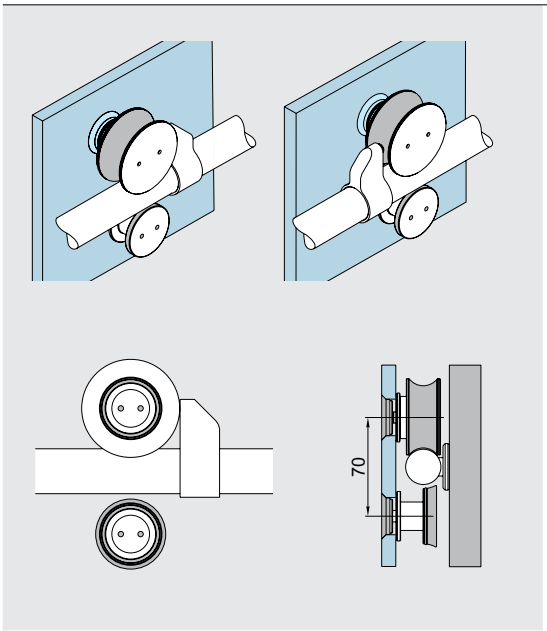
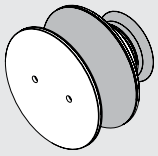
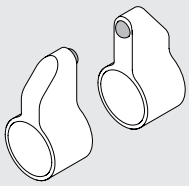
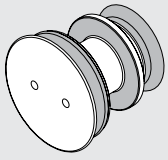
Selection guide, tubular track fixing for timber doors



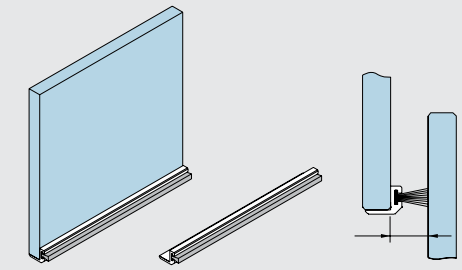
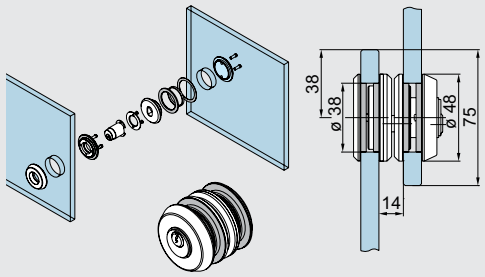
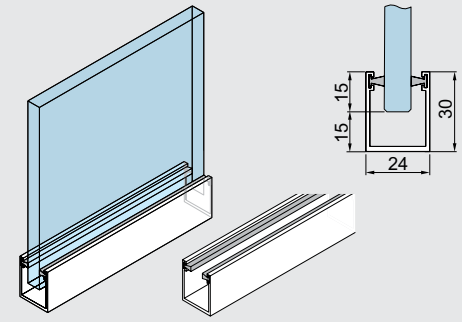
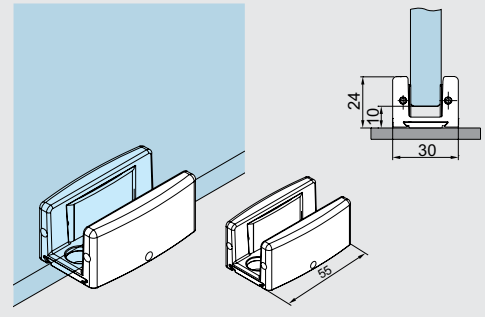
X mm	Z mm	max. door weight kg	to glass Clamp fixing for track Art. No.	to wall Clamp fixing for track Art. No. counter-sunk	 Art. No. clamping disc
20–30	**18.5**	**120**	**29.175**	**29.176**	**29.177**
35–40	**35**	**100**	**29.178**	**29.179**	**29.180**

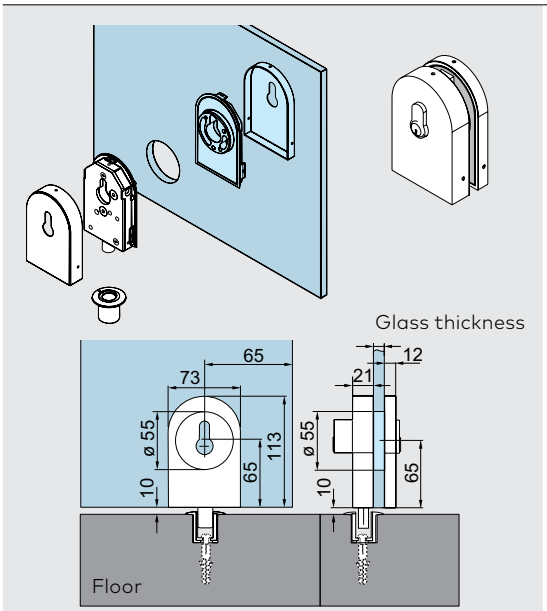
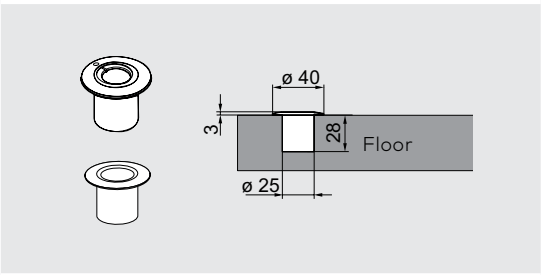
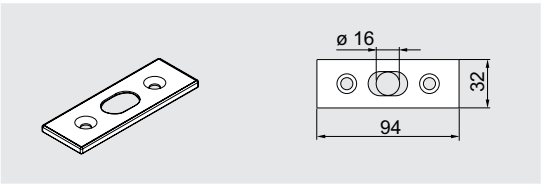
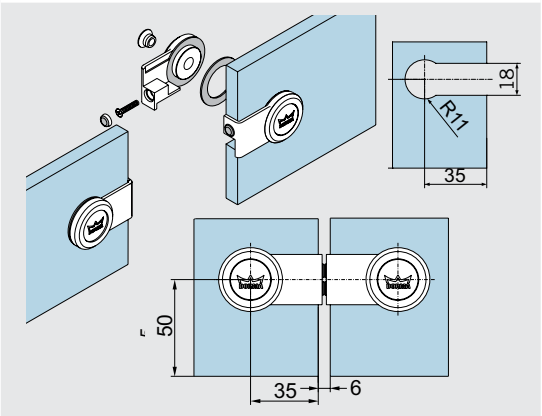
	Product description	Art. No.
	**Door stop** left hand AISI 316L right hand AISI 316L	 **29.425** **29.427** **29.426** **29.428**
 2-dimensional adjustment via oblong hole	**Wall fixing for tubular track / solid track** AISI 316L	**29.445** **29.446**

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

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

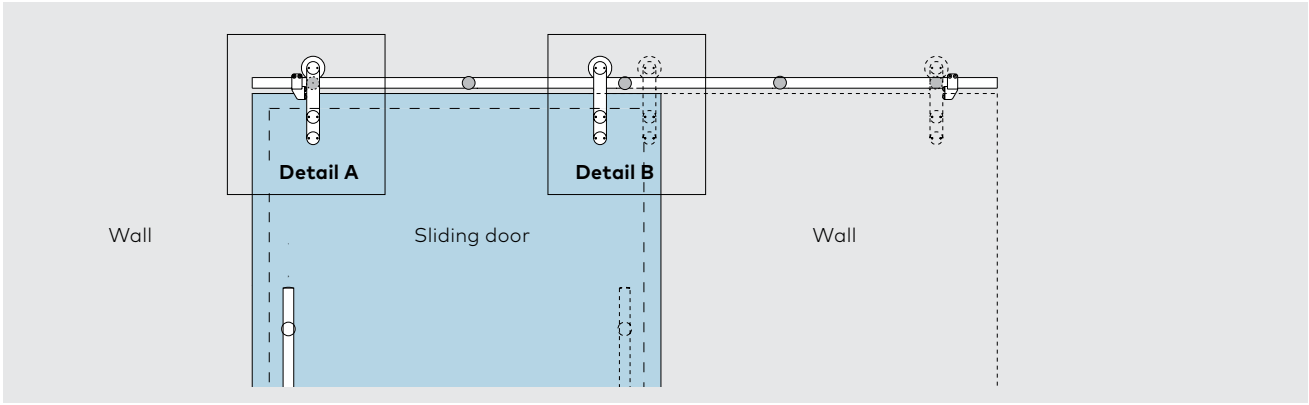
Accessories MANET Concept

	Product description	Glass thickness	Art. No.
 15.5 for 8 mm glass 13.5 for 10 mm glass 11.5 for 12 mm glass	**Aluminum brush profile** similar satin stainless steel for glass stock length 3,000 mm fixed length up to 6,000 mm for glass stock length 3,000 mm fixed length up to 6,000 mm	 8 mm 10/12 mm 	 **07.402** **07.403** **07.400** **07.401**
	**Sliding door lock with ratchet brace** for glass AISI 316L	 8/10/12 mm	**21.446**
	**Guide rail with brush seals** applicable for glass Aluminum mill finished fixed length up to 6,000 mm stock length 3,000 mm	 8/10/12 mm 	 **21.431** **21.432**
	**Floor guide** clamping disc, applicable for glass Aluminum 113 (similar satin stainless steel anodized)	 8/13.5 mm	**07.316**

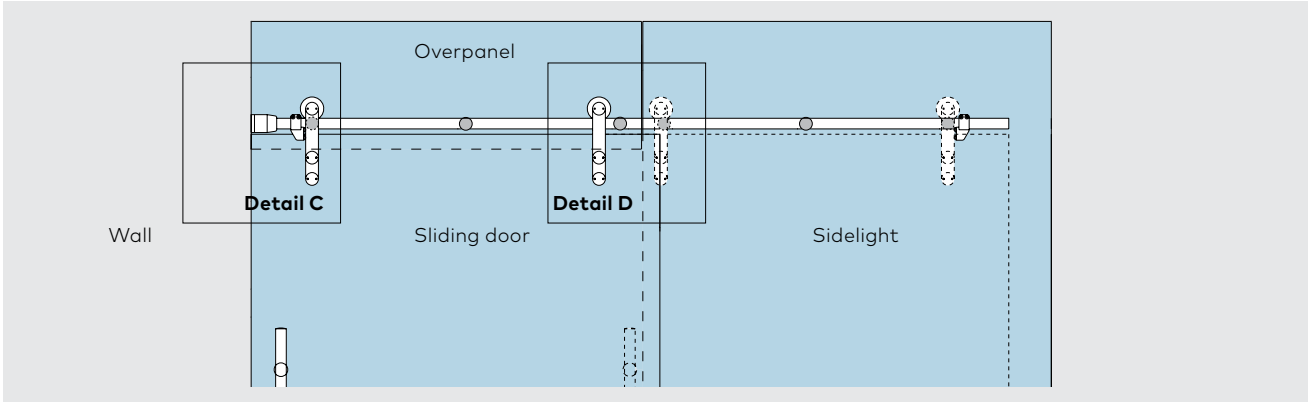
	Product description	Glass thickness	Art. No.
	**Corner lock** for glass	8 – 12 mm	**21.448**
	Corner lock with profile cylinder rose on the inside for glass	8 – 12 mm	**21.449**
	Dead lock for KABA with rose on the inside for glass	8 – 12 mm	**21.450**
	Profile cylinder for corner lock		**14.206**
	**Eccentric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

Glass preparation for sliding door system

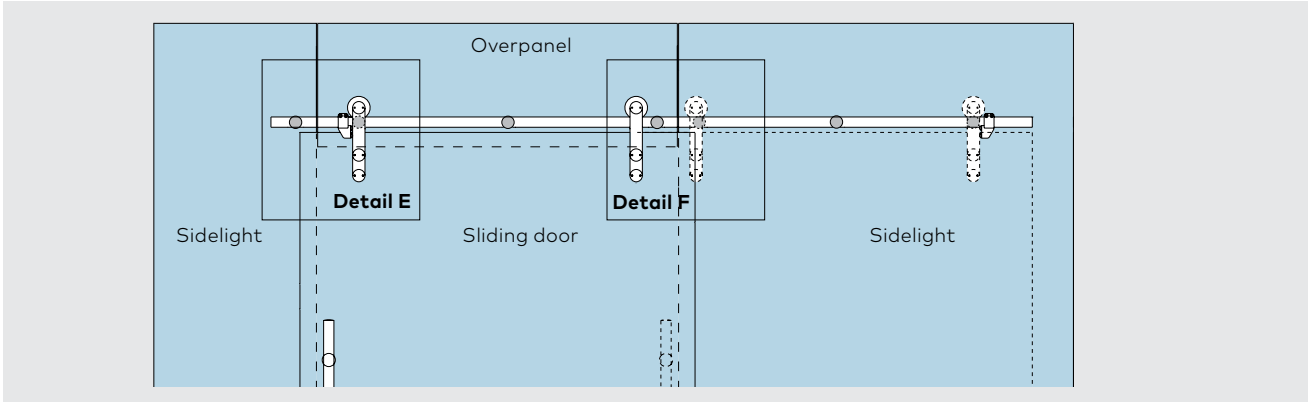
Sliding door to wall

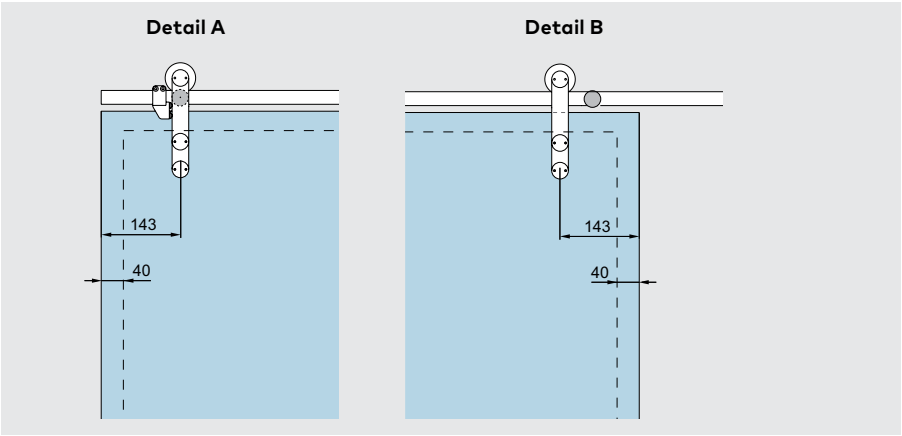


Sliding door with sidelight and overpanel

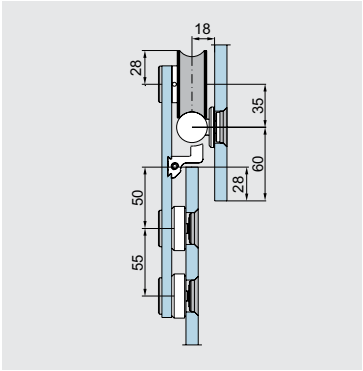


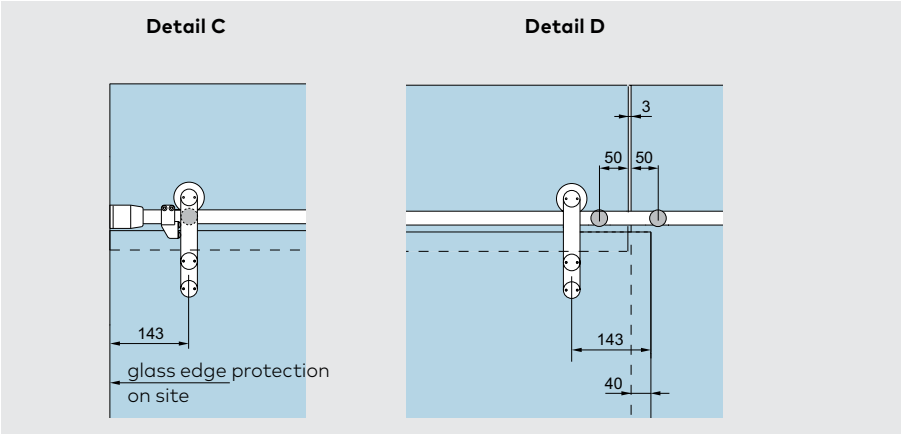
Sliding door with two sidelights and overpanel



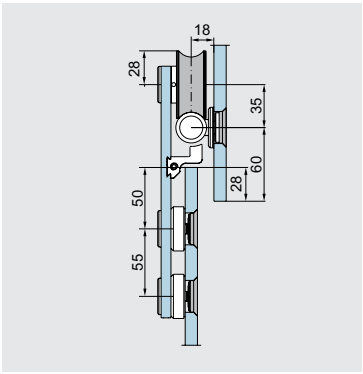


Sliding door with solid track

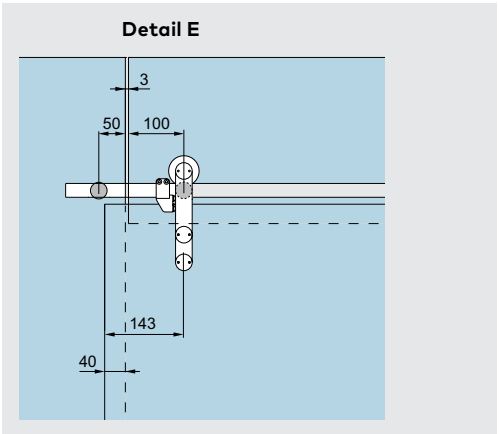




Sliding door with tubular track and clamp fixing



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".

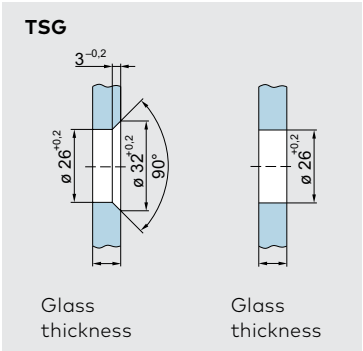


An appropriately dimensioned and torsionally stiff substructure needs to be provided for installation.

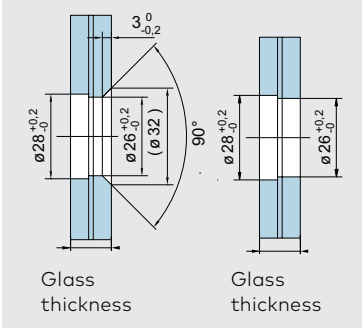
Countersunk bore for countersunk single-point fixings

Cylindrical bore for clamping disc single-point fixings

TSG



LSG



Content

MANET Concept Connection system

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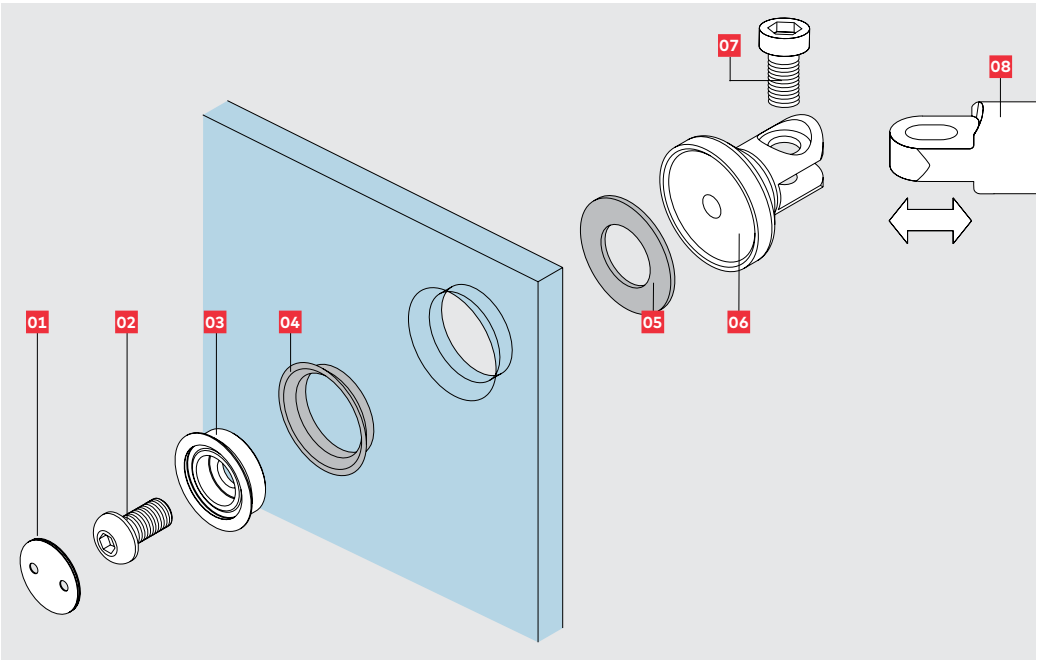
MANET Concept
Connection system

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.

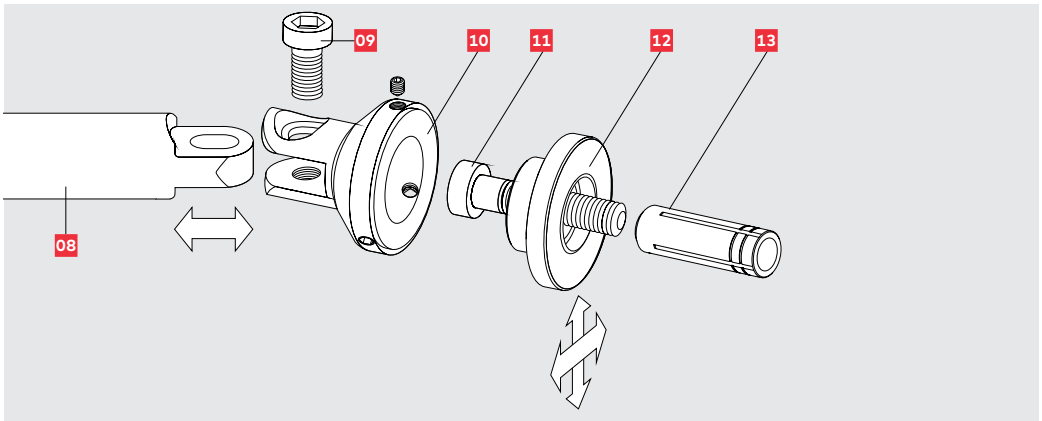
Glass fixing



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

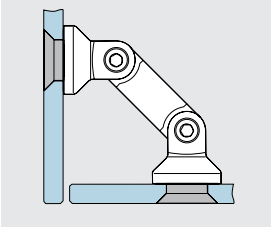
Wall fixing



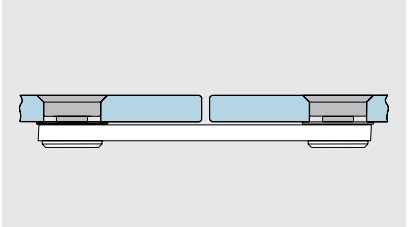
Components

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

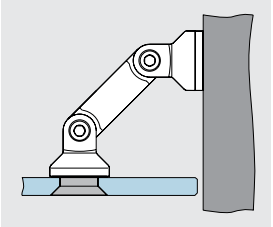
90° – 180° Glass / Glass



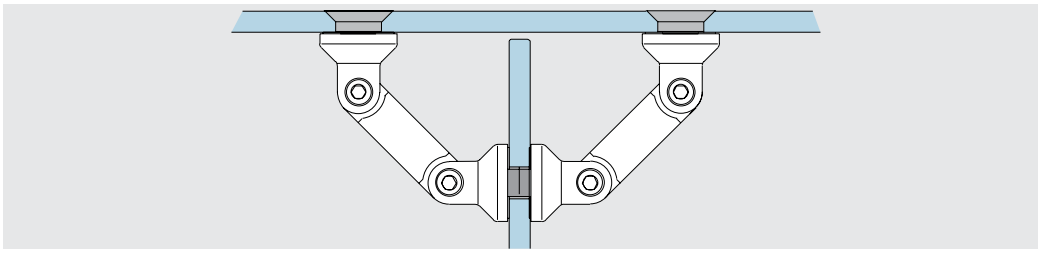
Glass / Glass Connector

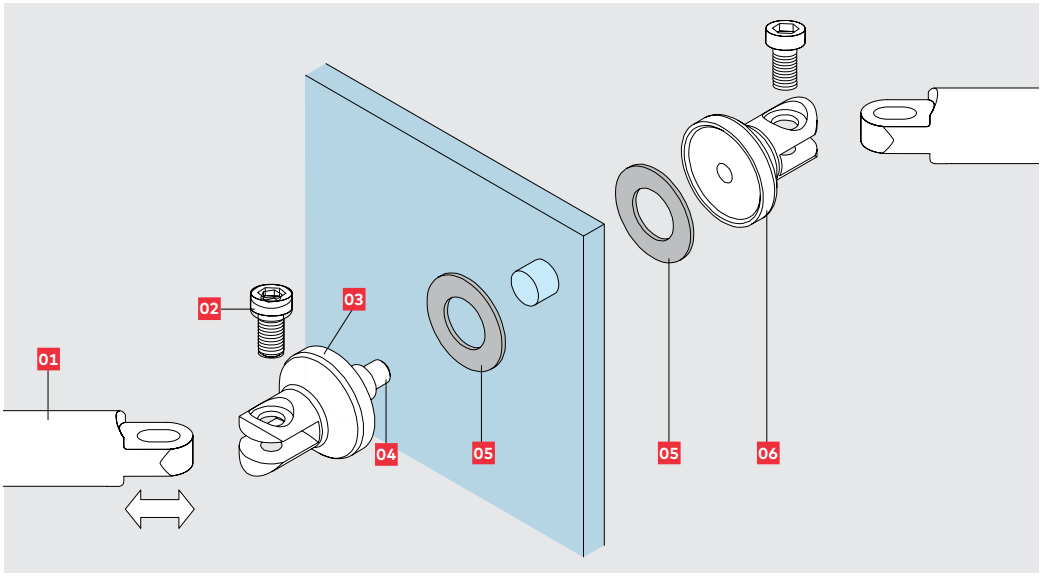


90° – 180° Glass / Wall



Clamp connection glass

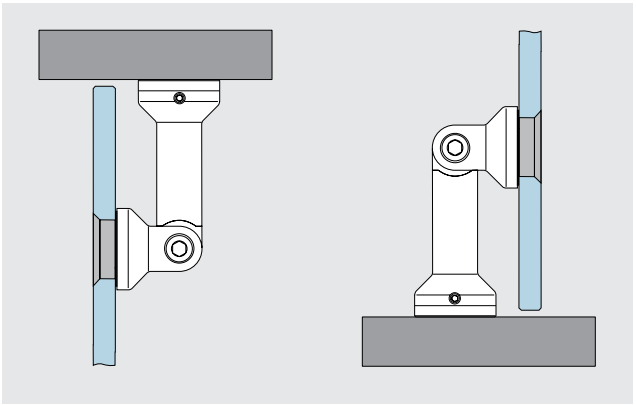


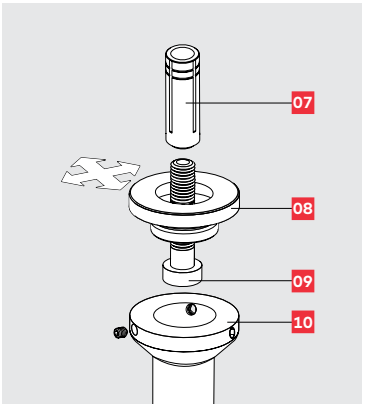


Components

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

Connection ceiling / floor

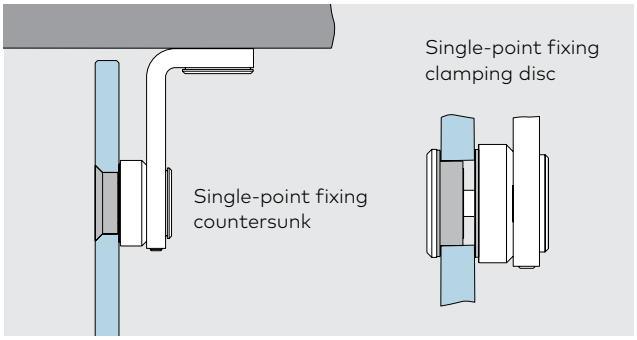


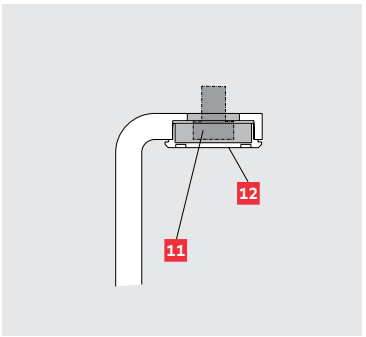


Components

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

Alternative connection ceiling

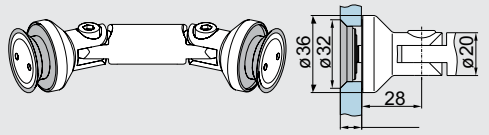
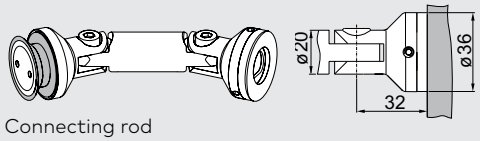
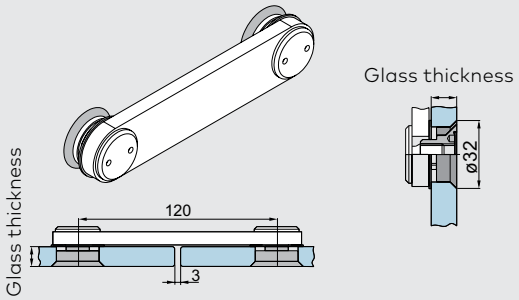
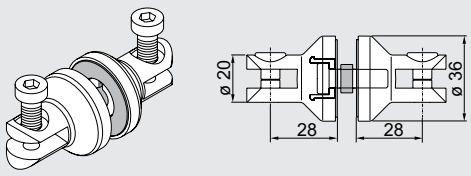
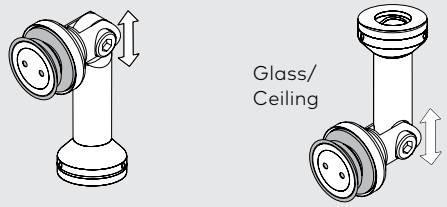
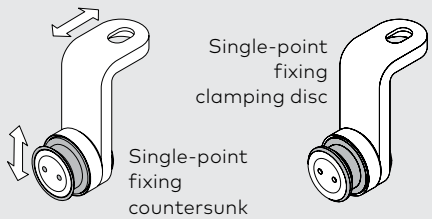




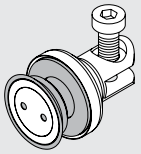
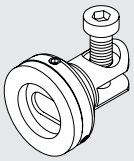
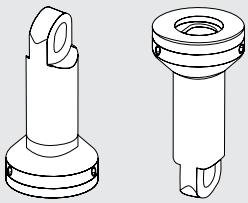
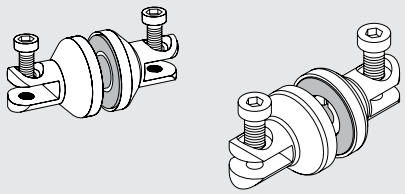
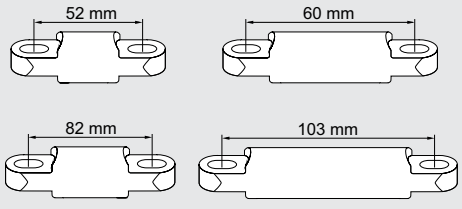
Components

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

Complete fitting

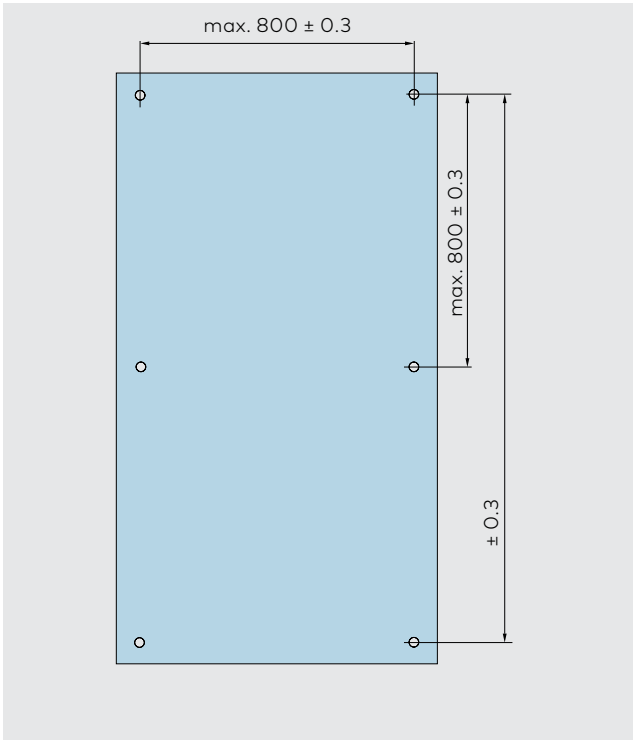
	Product description	Glass thickness	Art. No.
Glass / Glass 90° – 180°  Connecting rod 52.5 / 60 / 82 / 103 mm Glass thickness	**Complete fitting glass / glass**	8 – 12 mm	
	With connecting rod 52.5 mm		**29.120**
	With connecting rod 60 mm		**29.122**
	With connecting rod 82 mm		**29.125**
	With connecting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

Components

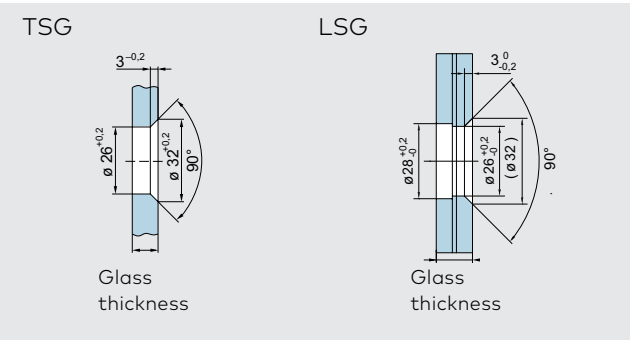
	Product description	Glass thickness	Art. No.
	**Pivoting glass clamp** inclusive screw sets for glass	8 – 12/13.5 – 17.5 mm	
	countersunk clamping disc	17.5 – 21.5 mm	**29.160** **29.165**
	**Pivoting wall fixing**		**21.141**
	**Column** Ceiling/floor fixing		**21.146**
	**Clamping connector**	8 – 12 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

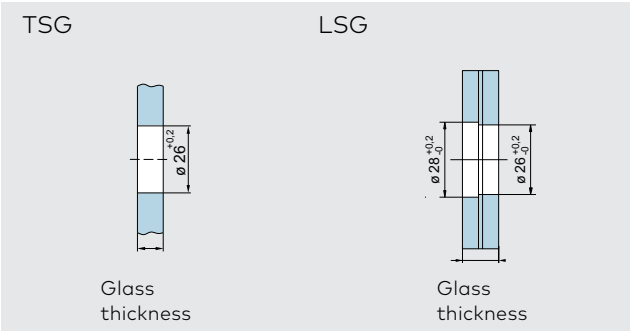
For TSG and LSG from TSG.
Recommended centers for fixed glazing element



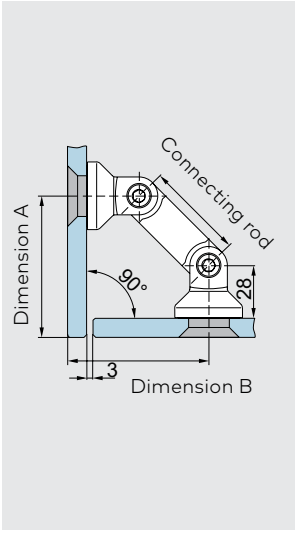
Countersunk bore for countersunk single-point fixings

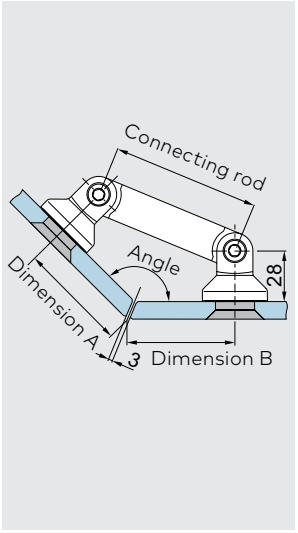


Cylindrical bore for clamping disc single-point fixings



Corner connectors glass / glass 90 – 180°

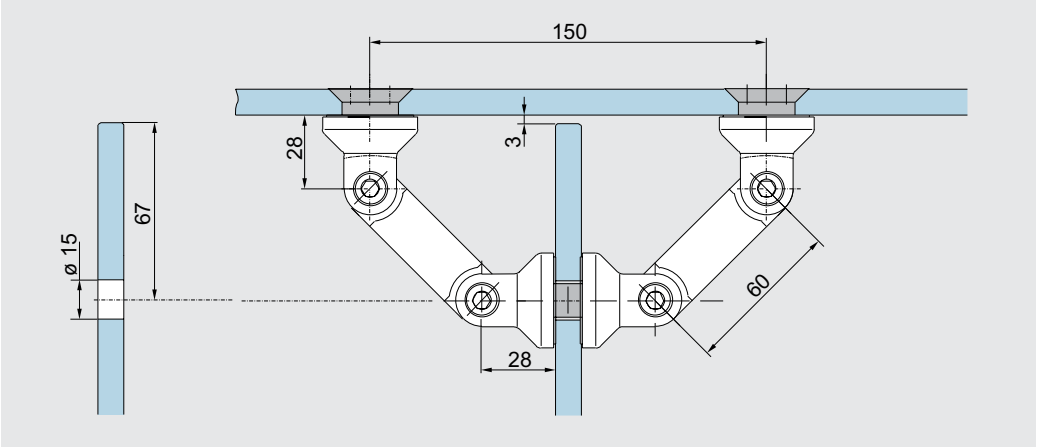




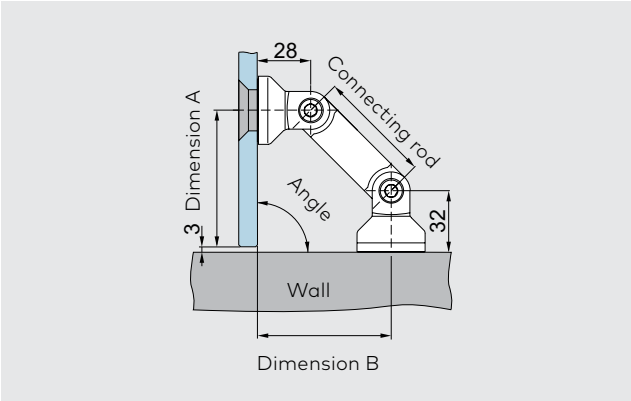
Corner connectors glass / glass (dimensions in mm)

	Length of connecting rod			
	52.5	**60**	**82**	**103**
	Dimensions for 10 mm glass thickness. Consider variants for other glass thicknesses.			
Angle	**A/B**	**A/B**	**A/B**	**A/B**
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

Clamping connector

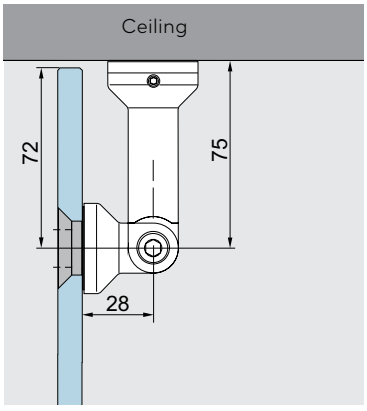


Corner connectors glass / wall 90 – 180°

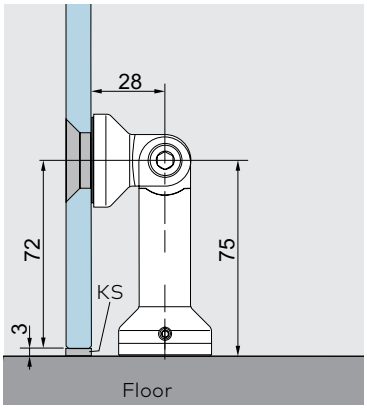


Glass / wall (dimensions in mm)			
	Length of connecting rod		
	52.5	**60**	**82**
	Dimensions for 10 mm glass thickness. Consider variants for other glass thicknesses.		
Angle	**A/B**	**A/B**	**A/B**
90°	67/65	72/70	87.5/86

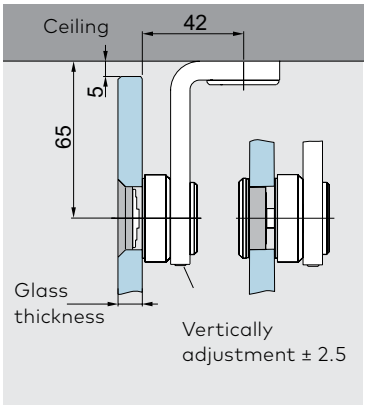
Corner connector glass / ceiling



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.

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MANET Concept Single-point fixings

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MANET Concept
Single-point fixings

Single-point fixing serie S32/35

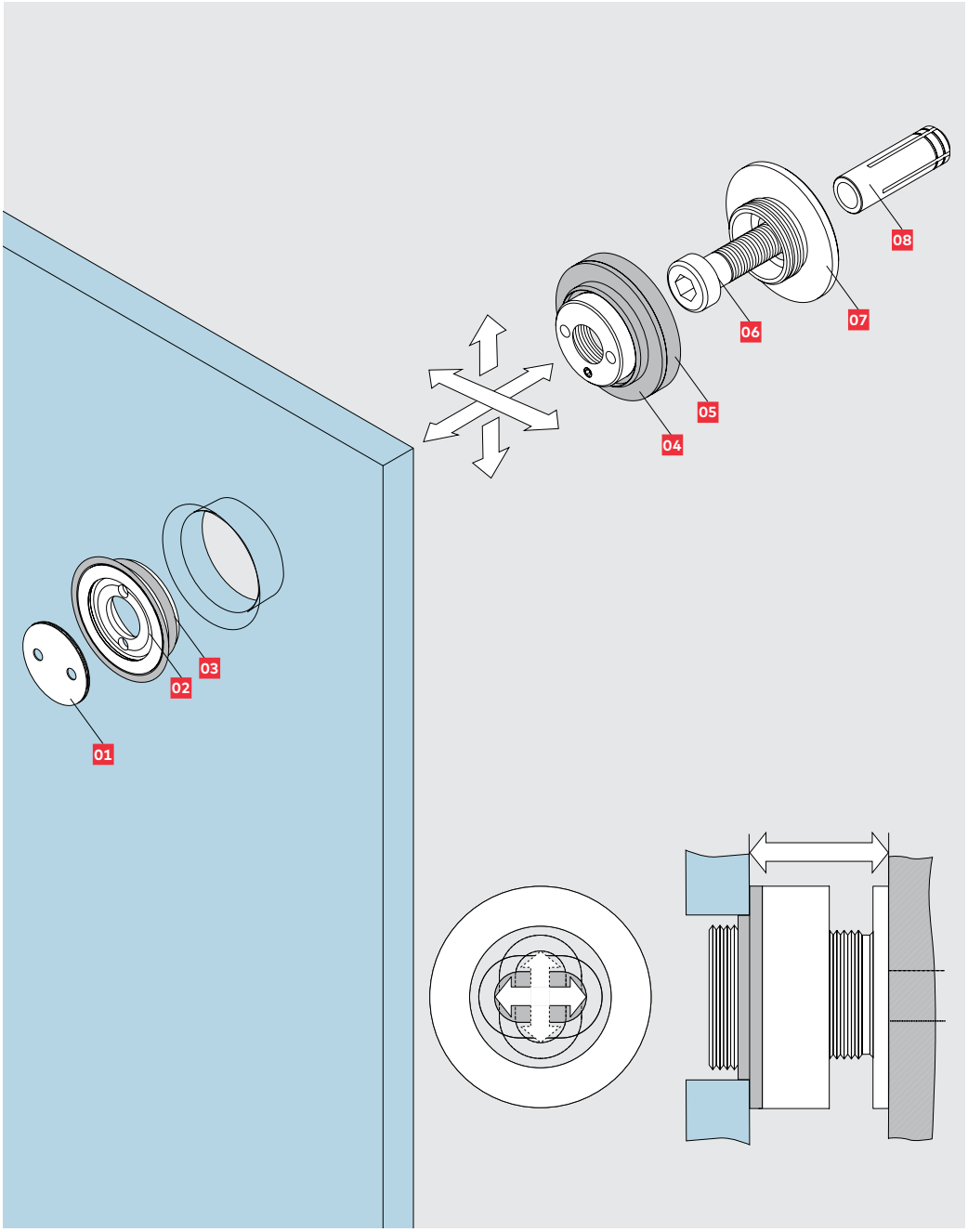


The basic component within the MANET system is the single-point fixing. Rather than cylindrical bore in the glass, this component has a tapered countersunk bore for a perfect seated fit to the glass. These give a flush finish of the single-point fixing in all applications.

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

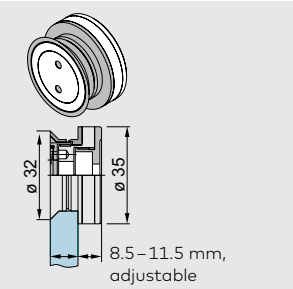
- The fixing and the gasket are wound onto the adjustment screw (7) already fitted to the wall, with the glass panel then being simply mounted over the top.
- The adjustment screw allows the position of the glass to be adjusted in 3 dimensions. An adjustment range of ±2 mm in the vertical and lateral 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

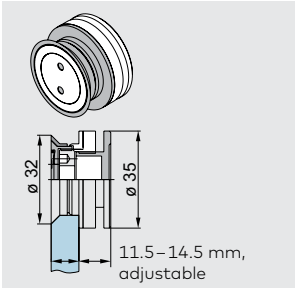
Clamping disc
8/10 mm glass
Art. No. 29.700

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

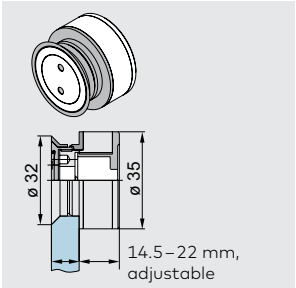
Clamping disc
8/10 mm glass
Art. No. 29.701

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

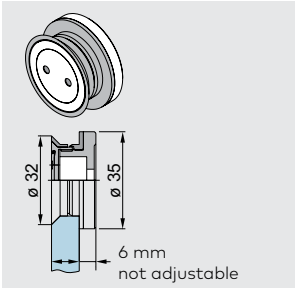
Clamping disc
8/10 mm glass
Art. No. 29.702

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

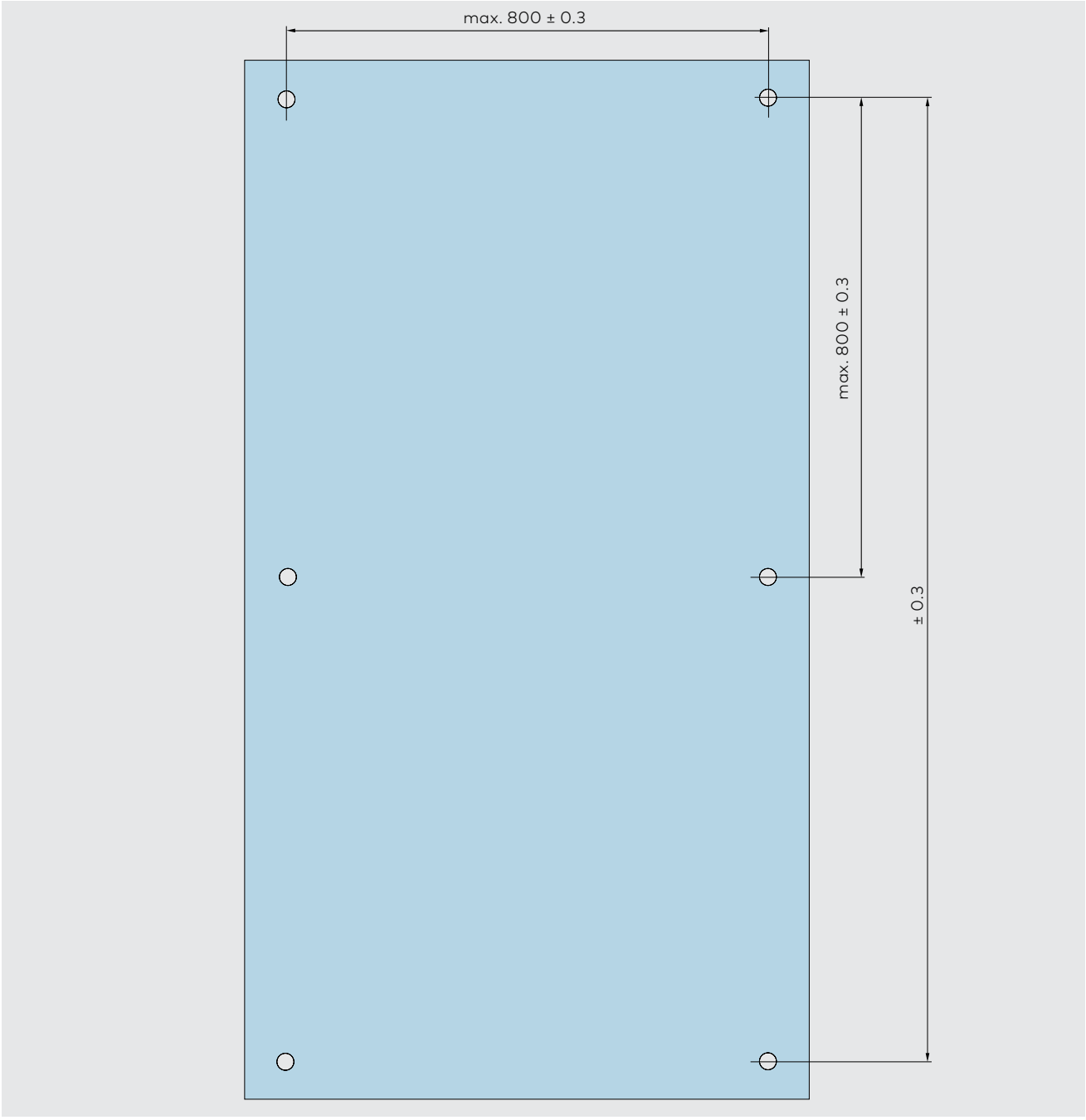
15 mm glass
Art. No. 29.733

17.5 mm glass
Art. No. 29.734

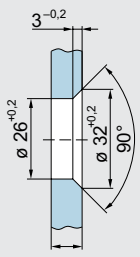
Stainless steel quality AISI 316L on request.

Glass preparation connection system

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

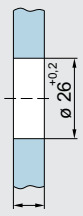


TSG



Glass thickness

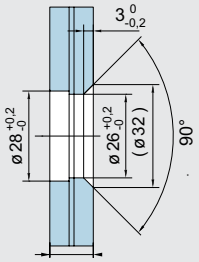
Countersunk bore for countersunk single-point fixings



Glass thickness

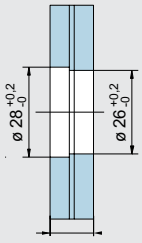
Cylindrical bore for clamping disc single-point fixings

LSG



Glass thickness

Countersunk bore for countersunk single-point fixings



Glass thickness

Cylindrical bore for clamping disc single-point fixings

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RSP 80

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RSP 80

A safe connection



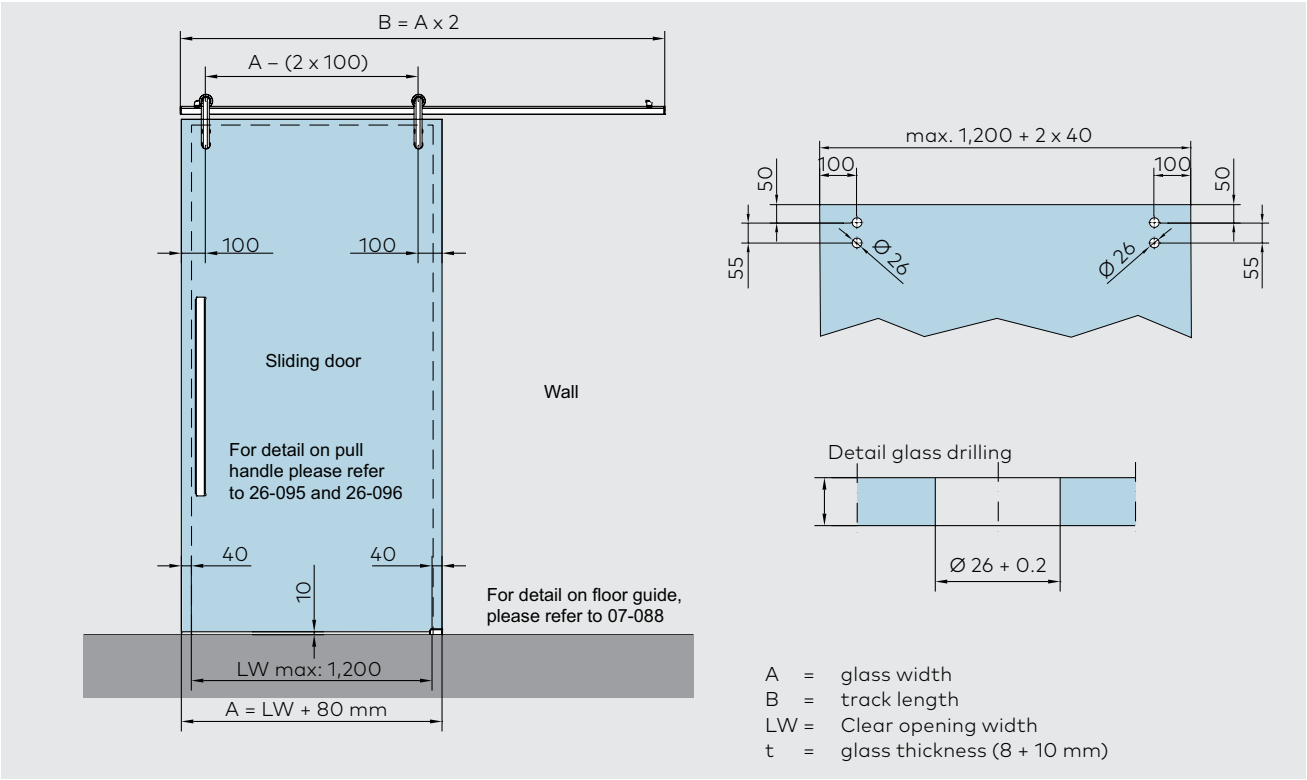
Minimal gap dimensions
Design specifications automatically ensure very small gap dimensions between glass and wall.

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.

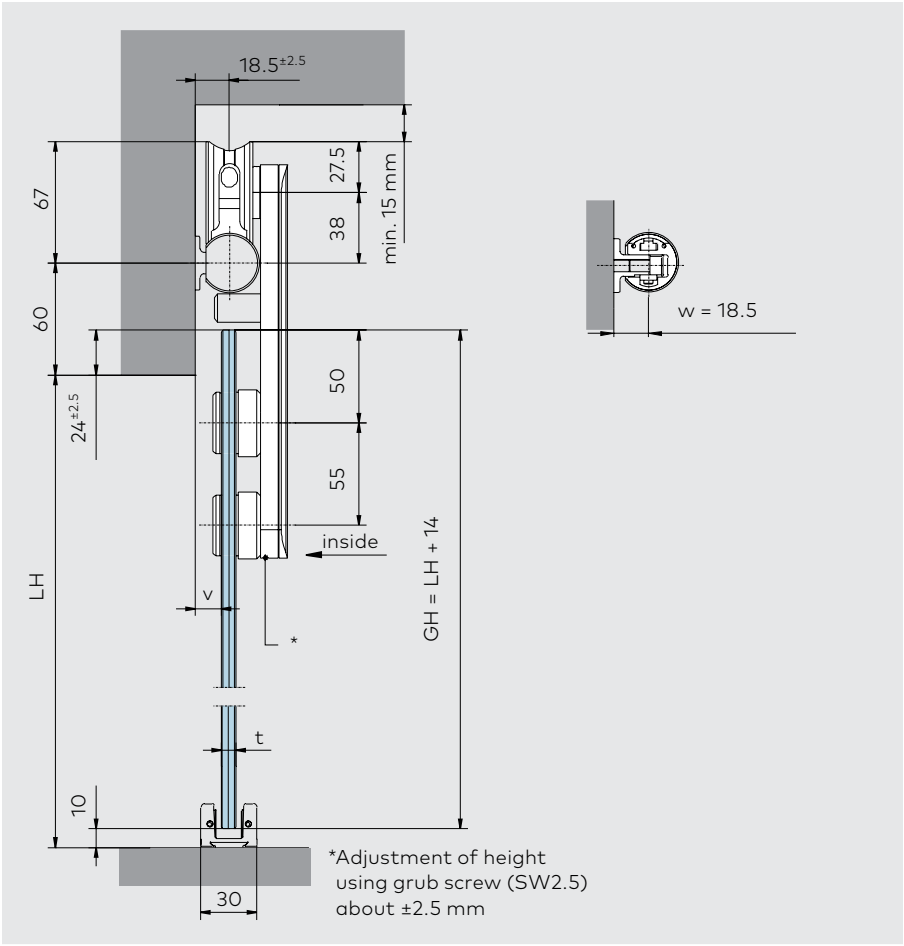
Exact stopping
The exact endposition of the door both in the opening and the closing direction is variable thanks to the selectable position of the end stops.

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).

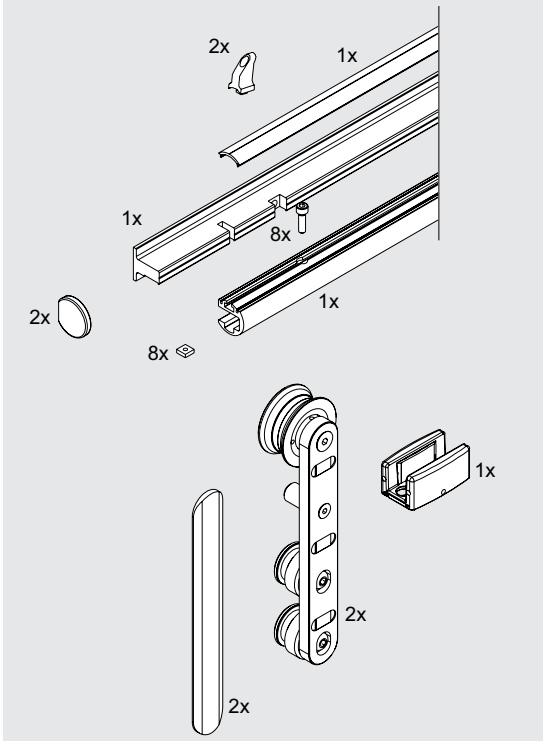


Glass applications

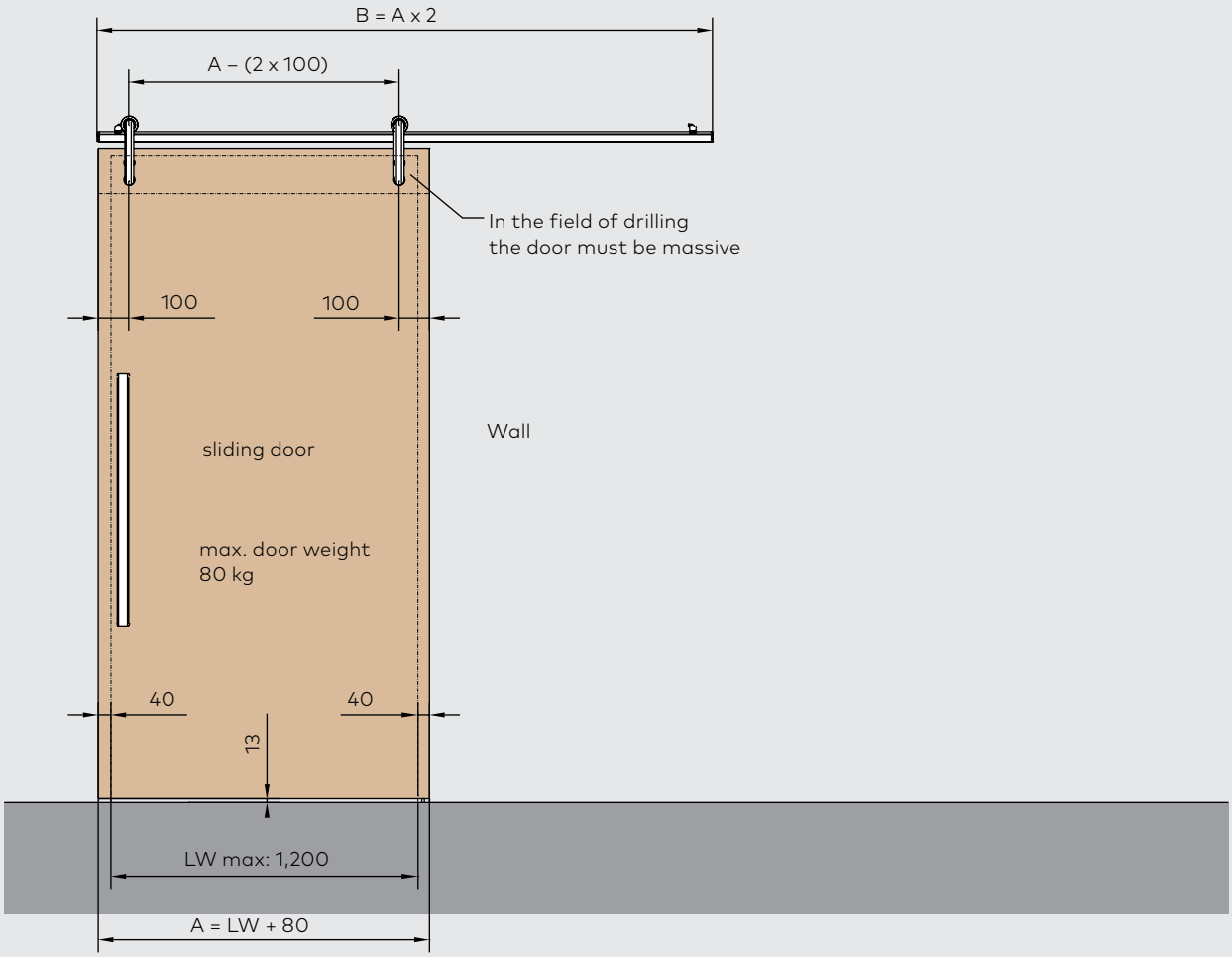


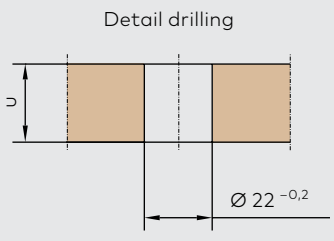
GH = Glass height
LH = Clear opening height
t = Glass thickness
v = Gap between door panel and wall

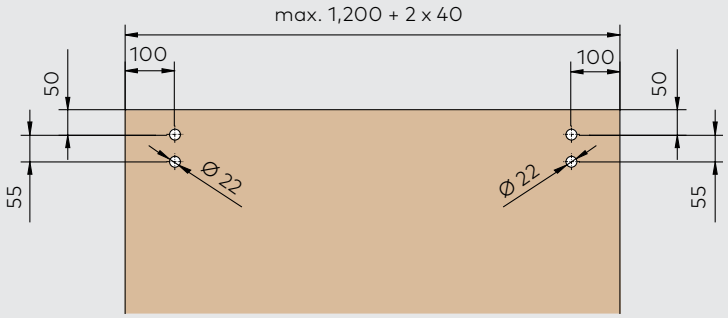
t	v
8 mm	14.5 mm
10 mm	12.5 mm

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

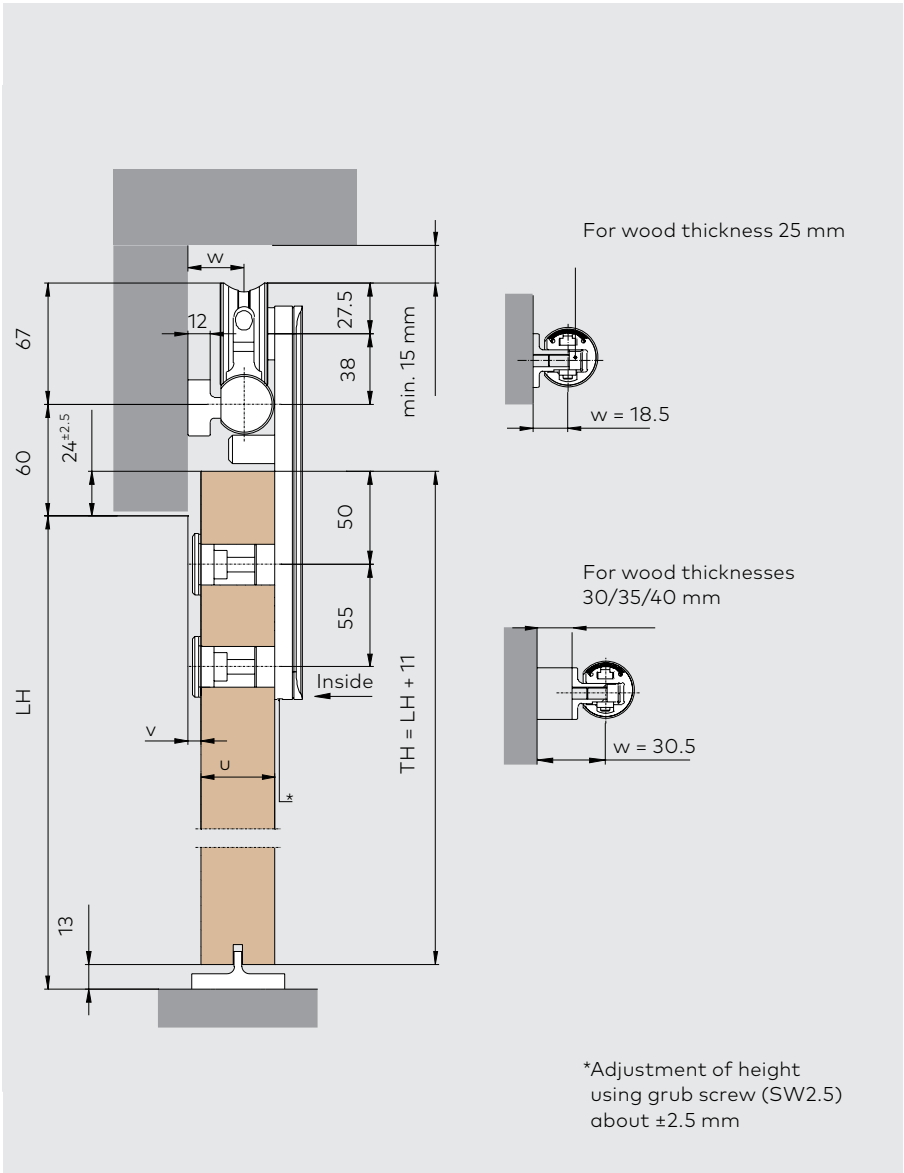






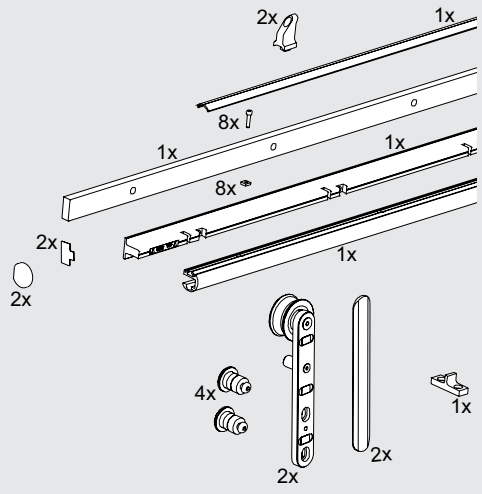
The side overhang of the sliding door should be 40 mm

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)** 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	**30.707**
	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	**30.712**
	RSP 80 track profile for mounting to wall (timber applications) in fixed length (should not go below min. door width 800 mm / track profile (1,600 mm)	**30.713**

Content

Wall connection profile

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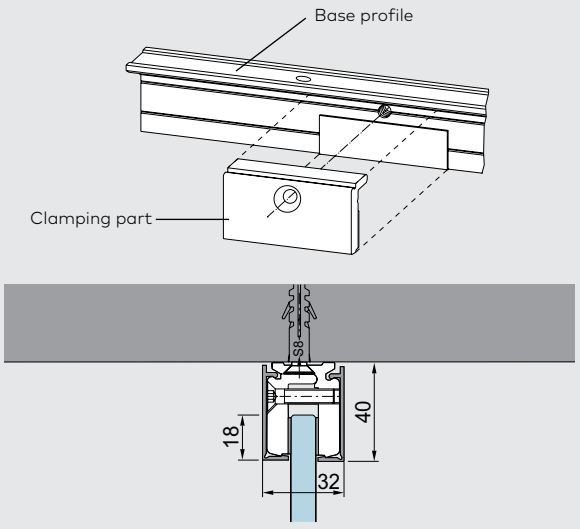


Wall connection profile

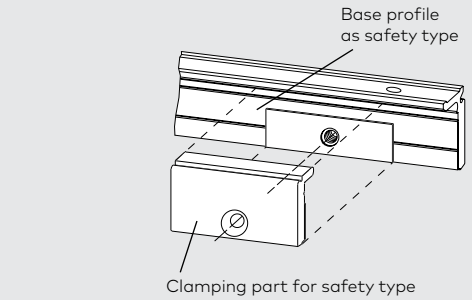
Wall connection profiles

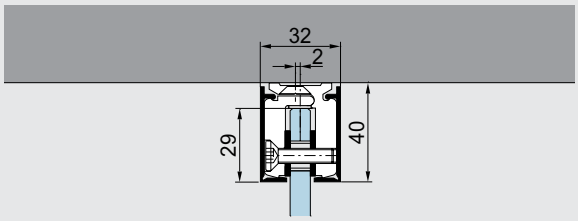
Consisting of: base profile, with bore holes (every 300 mm), incl. clamping parts with screws and gasket strips.

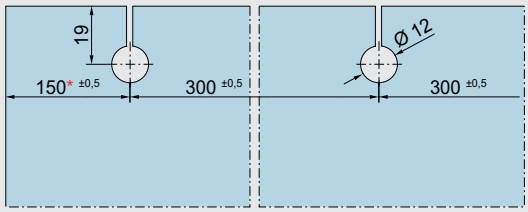
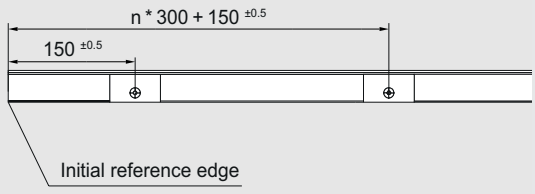
Application:
e. g. all around frame system for thoughened glass assemblies, with fittings on sides and ceiling. The safety type prevents free hanging glass elements from falling down, by fixing the clamping fitting through glass holes. 15 kg load for each clamping part, torque for fixing screws 15 Nm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

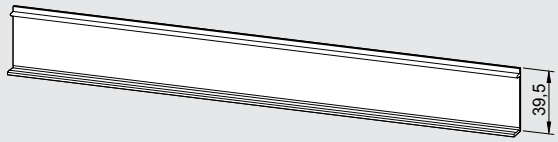
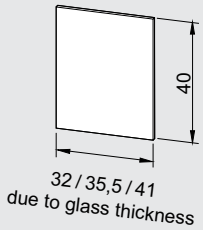
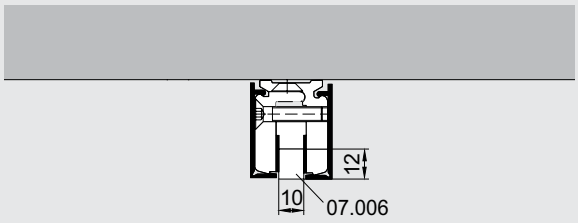
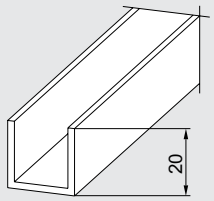
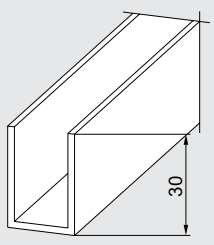


Product description	Glass thickness	Art. No.
Base profile	8 mm	**07.042**
6,000 mm Stock length	10 mm	**07.001**
	12 mm	**07.002**
	12.7 mm	**07.045**
	13.5 mm	**07.046**
	15 mm	**07.047**
	17 mm	**07.048**
	19 mm	**07.049**
Fixed length	8 mm	**07.050**
	10 mm	**07.051**
	12 mm	**07.052**
	12.7 mm	**07.055**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

Safety type	Product description	Glass thickness	Art. No.
	**Base profile as safety type 6,000 mm Stock length**	8 mm 10 mm	**07.060** **07.061**
	Base profile as safety type fixed length	8 mm 10 mm	**07.066** **07.067**
	Gewicht in kg/m: Aluminum 1.200		



Glass preparation for Safety type	Product description	Glass thickness	Art. No.
 *If glass and profile are aligned.	**Clamping part (addition/replacement) for Safety type** 60 mm long, with screws and gasket strips	8 mm 10 mm	**07.063** **07.064**
	**Glass preparation for Safety type**		

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

Space for your notes

Content
MR 22/MR 28

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MR 22/MR 28

Wall connecting frame system MR 22 and MR 28

Comprising a frame profile (series-drilled), a clamping profile and two contact rubber extrusions (PVC, transparent).

These decorative and elegant frame solutions are characterised by their remarkably easy installation. The viewface width in the case of the MR 22 is a mere 22 mm and in the case of the MR 28 it is just 28 mm. Suitable for glass thicknesses of 8 and 10 mm. No load transfer by the profiles. Can be readily removed and re-installed elsewhere. The MR 28 features an additional screw-fixing channel for connecting angle brackets and enables combination with mullion profiles for the vertical connection of several glass panels and also abutment to frame systems AT 44 and AT 50.

Applications:
e.g. surrounding frame for toughened glass systems for fixing to walls and ceilings

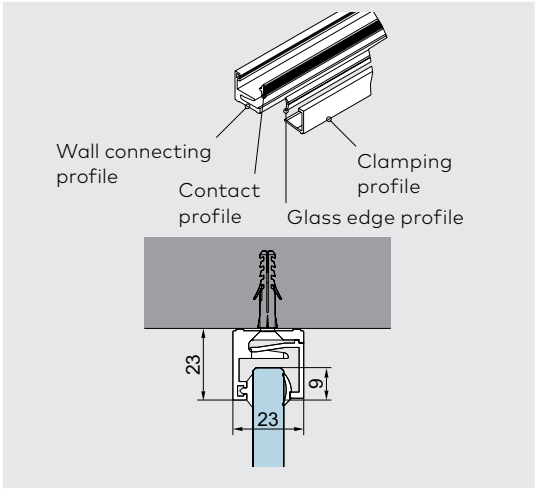
MR 22

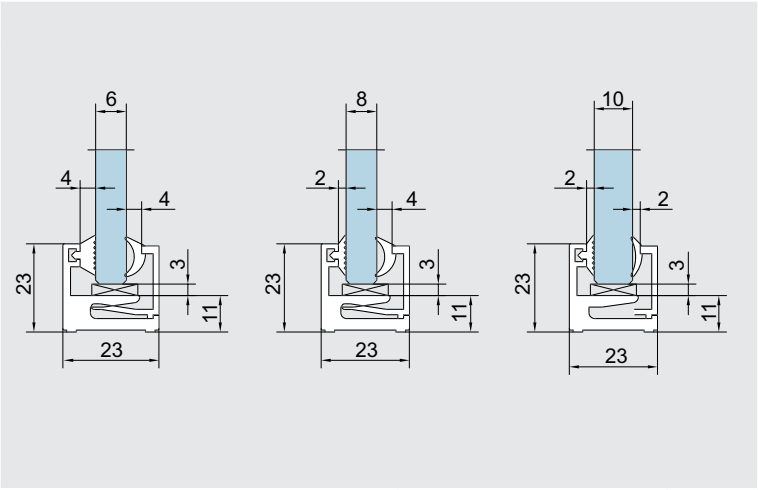
max. glass dimensions:
hight: 2,500 mm
width: 1,000 mm

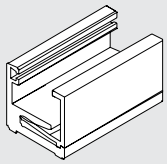
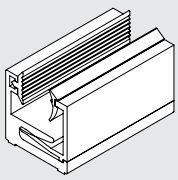
MR 28

max. glass dimensions:
hight: 2,800 mm
width: 1,000 mm

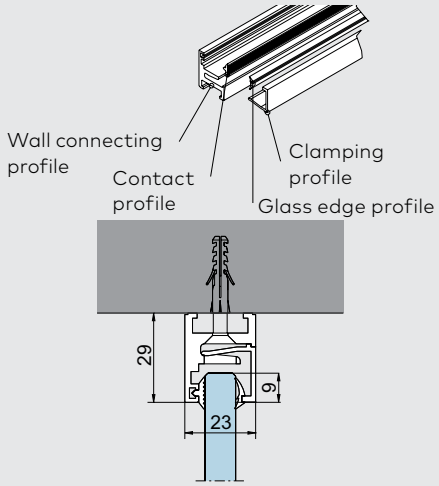
Base profile MR 22



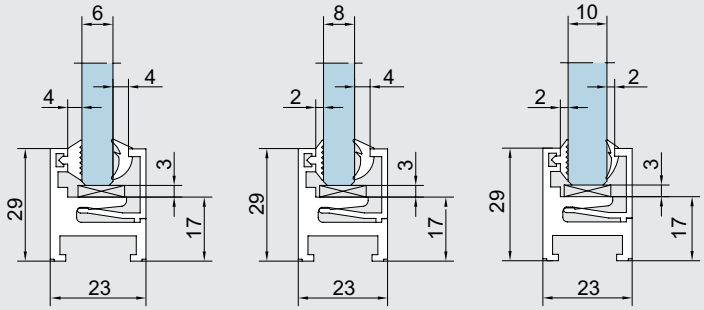


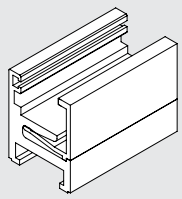
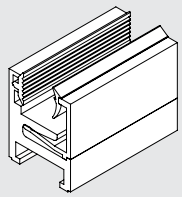
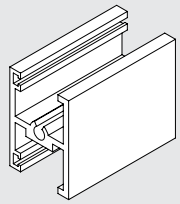
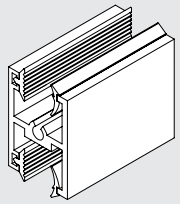
	Features and data	Art. No.
	**MR 22** in 6,000 mm stock length, without PVC profile **Weight in kg/m:** Aluminum 0.648	**07.240**
	**MR 22** in fixed length **Weight in kg/m:** Aluminum 0.648	**07.250**

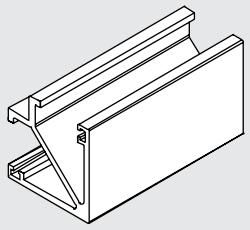
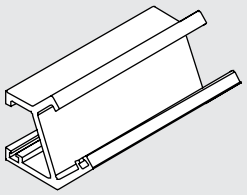
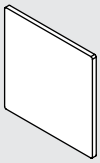
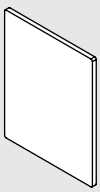
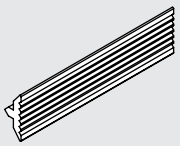
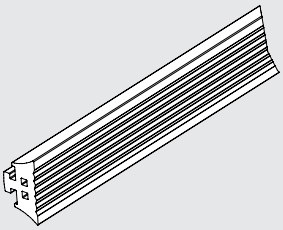
Base profile MR 28

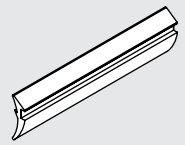
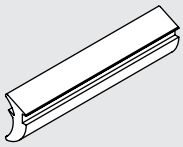
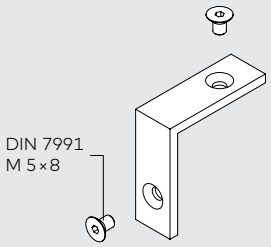
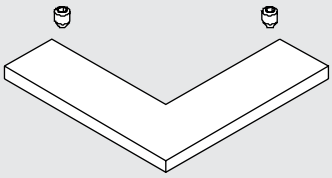
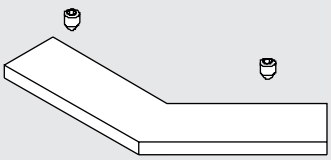


Attention:
Profiles are only delivered with straight cuts. Allowances in lengths of profiles to ensure producibility of bevel cuts have to be planned by the customer. The georgian bar profile must be prepared in addition on both sides. Please consider installtion instruction



	Features and data	Art. No.
	**MR 28** in 6,000 mm stock length, without PVC profile **Weight in kg/m:** Aluminum 0.802	**07.241**
	**MR 28** in fixed length **Weight in kg/m:** Aluminum 0.802	**07.251**
	**Georgian bar profile MR 28** in 6,000 mm stock length, without PVC profile **Weight in kg/m:** Aluminum 0.542	**07.242**
	**Georgian bar profile MR 28** in fixed length Screws for fixation at MR 28 base profile are nor included in delivery. Recommendation: counter sunk screw 4.2 mm x 32 mm **Weight in kg/m:** Aluminum 0.542	**07.252**

	Product description	Art. No.
	**MR 28 georgian bar profile 90°** in 6,000 mm stock length Weight in kg/m: Aluminum 0.598	**07.258**
	**MR 28 georgian bar profile 135°** in 6,000 mm stock length Weight in kg/m: Aluminum 0.466	**07.259**
	**End mounted plate MR 22** Weight in kg/pc: Aluminum 0.002	**07.245**
	**End mounted plate MR 28** Weight in kg/pc: Aluminum 0.002	**07.246**
	**Contact profile** 2 mm thick, grey fixed length stock length 50 m Weight in kg/m: PVC 0.023	**07.255** **07.265**
	**Contact profile** 4 mm thick, grey fixed length stock length 50 m Weight in kg/m: PVC 0.037	**07.256** **07.266**

	Product description	Art. No.
	**Glass wedge profile** 2 mm thick, grey fixed length stock length 50 m Weight in kg/m: PVC 0.016	 **07.253** **07.263**
	**Glass wedge profile** 4 mm thick, grey fixed length stock length 25 m Weight in kg/m: PVC 0.034	 **07.254** **07.264**
	**Corner connection set MR 28,** 4 pieces per set 8 screws DIN 7991 M 5 x 8 included in scope of delivery Weight in kg/pc: Aluminum 0.0021	**07.247**
	**Corner connection for MR 28 georgian bar profil 90°** 2 grub screws DIN 916 M 4 x 5 included in scope of delivery	**07.248**
	**Corner connection for MR 28 georgian bar profil 135°** 2 grub screws DIN 916 M 4 x 5 included in scope of delivery	**07.249**

Content

Accessories

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181 **Handle bars, door knobs, recessed pull grips and brush seals**

190 **Assembling aid**

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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.

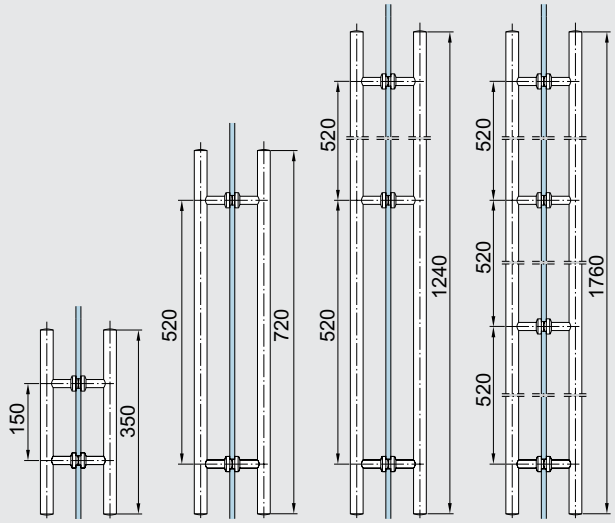
The pull handles can be fixed to both sliding and pivoting (swing) doors on one face using the appropriate connectors or on both faces by through-bolting (back-to-back arrangement).

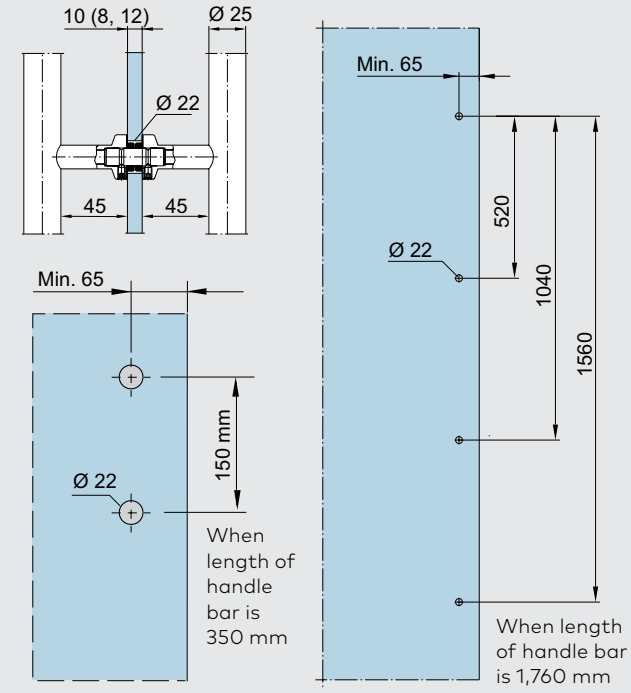
Due to a flat structure recessed pull grips are also suitable for sliding doors.

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.



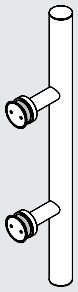
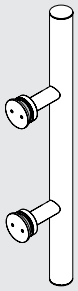


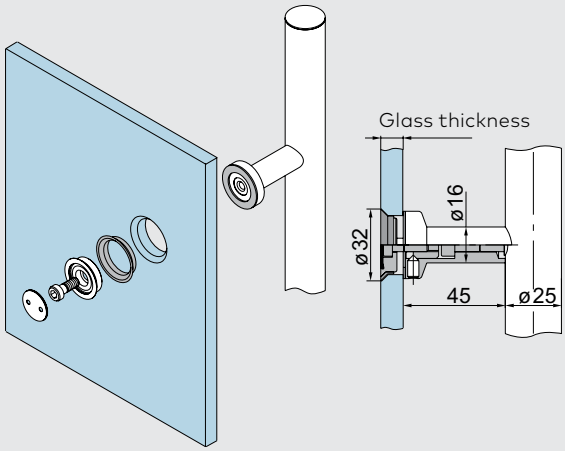


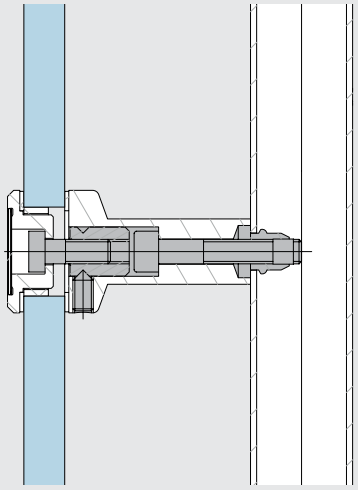
Product description	Glass thickness	Art. No.
Pair of handle bars satin stainless steel length 350 mm, 2 hole fixing, weight in kg: 1.254	8/10/12 mm	
material 1.4305		**21.267***
do., material 1.4404		**21.247**
Pair of handle bars aluminum length 350 mm, 2 hole fixing, weight in kg:	8/10/12 mm	
aluminum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

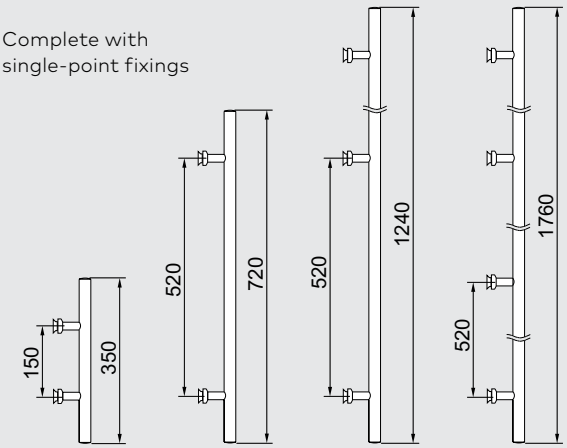
	Product description	Glass thickness	Art. No.
	**Pull handles with single-point fixings, countersunk**	8/10/12 mm	
	Edelstahl		
	Pull handle 350 mm with 2 fixings, material 1.4305		**29.268**
	do., AISI 316L		**29.269**
	Pull handle 720 mm with 2 fixings, material 1.4305		**29.271**
	do., AISI 316L		**29.272**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



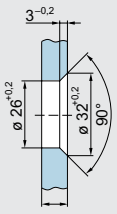


Countersunk bore on pull handle and door knob, one side fixing

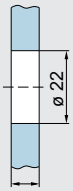
Complete with single-point fixings



TSG

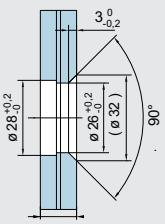


Glass thickness



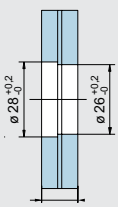
Glass thickness

LSG



Glass thickness

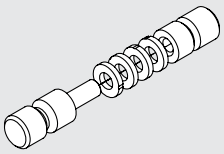
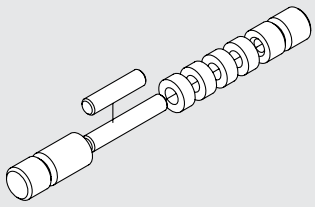
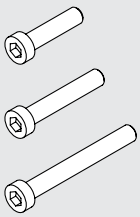
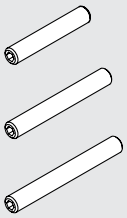
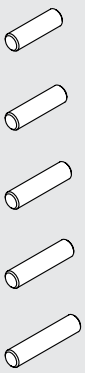
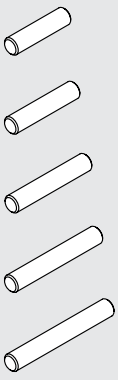
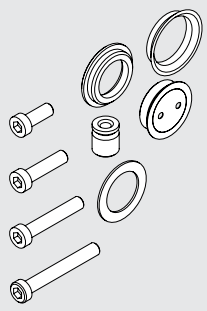
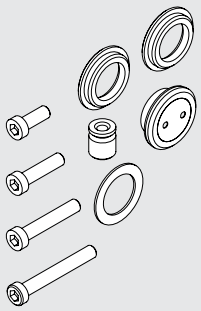
Countersunk bore on pull handle and door knob, one side fixing



Glass thickness

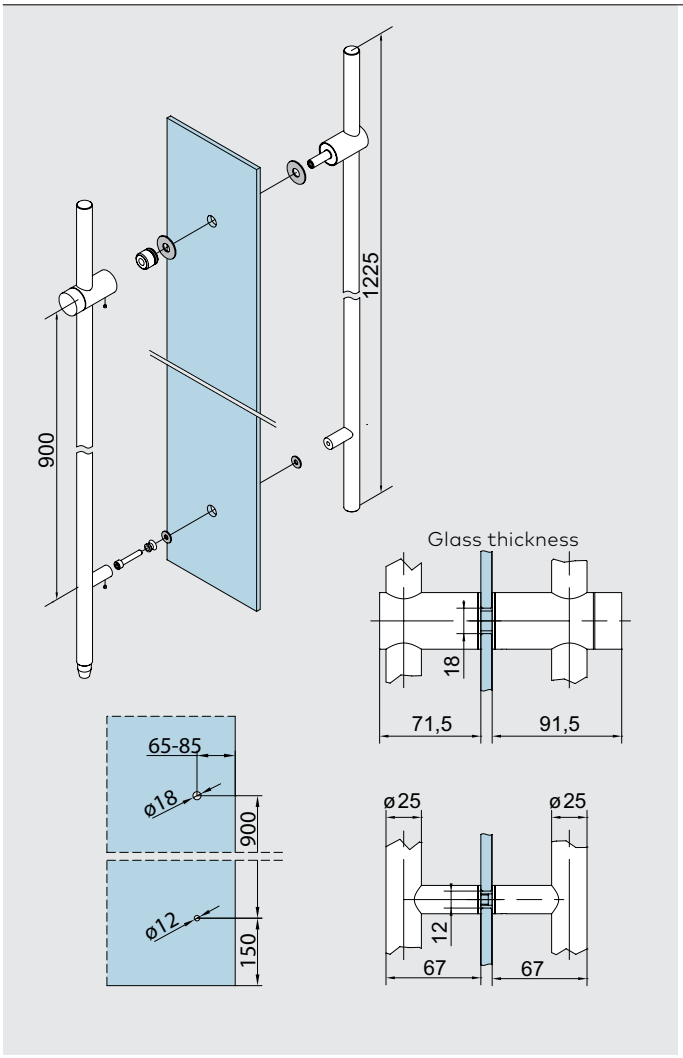
Cylindrical bore on pair of pull handles and door knobs, back-to-back

Spacing adjustment for pull handles and door knobs

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

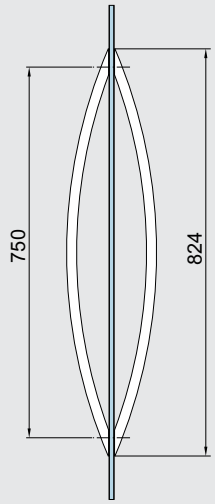
*Not suitable for Arcos pull handles 26.500 / 26.510

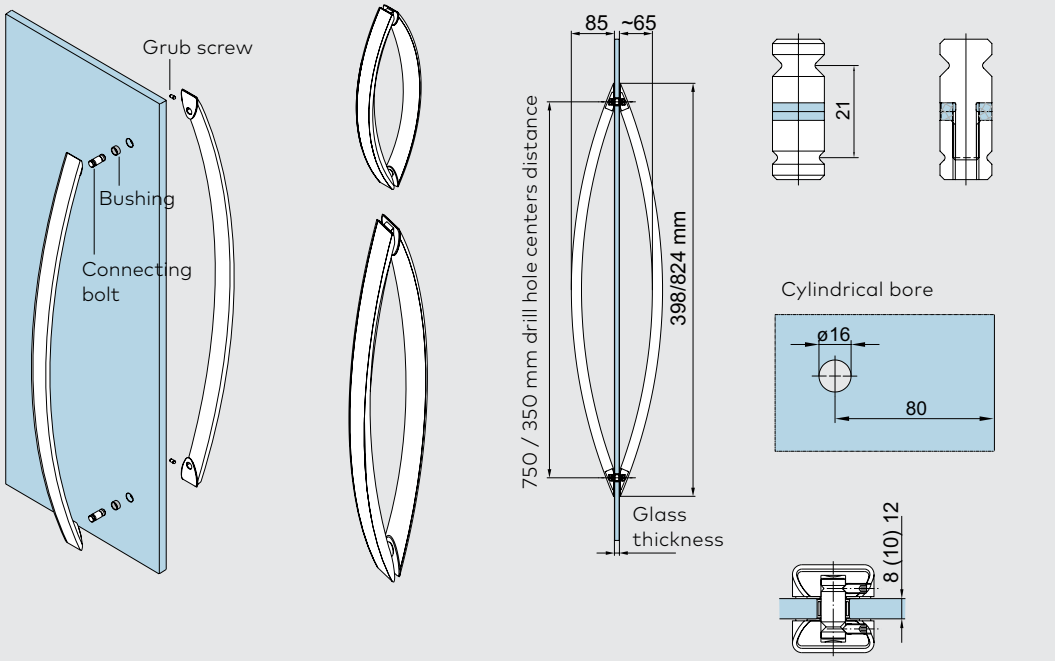
Pair of pull handles



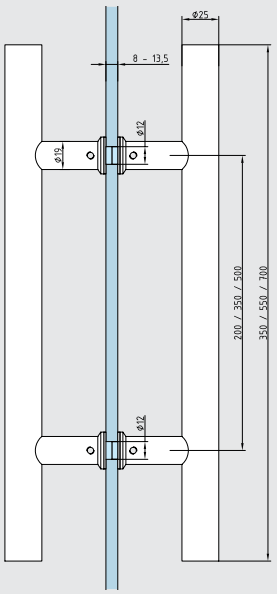
Product description	Glass thickness	Art. No.
Lockable back-to-back handle bar, 1,225 mm, with 2 fixings, complete with closing device and cylinder	6 – 16 mm	**21.279**

Arcos pull handle

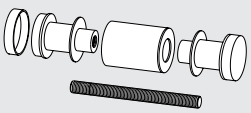
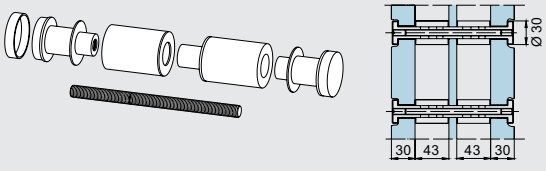
	Product description	Glass thickness	Art. No.
	**Arcos pair of pull handle** incl. connecting bolt Aluminium, stainless steel look	8/10/12 mm	
	Pull handle 350 mm with 2 fixings		**26.500**
	Pull handle 750 mm with 2 fixings		**26.510**



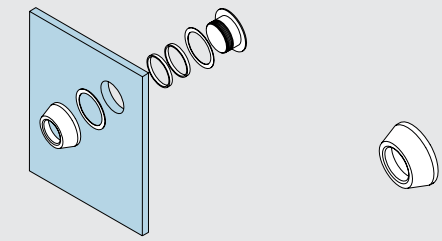
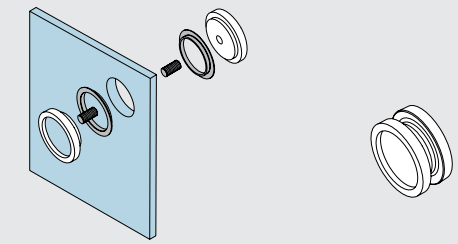
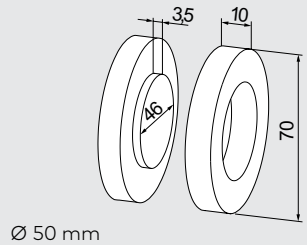
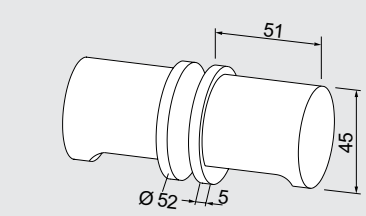
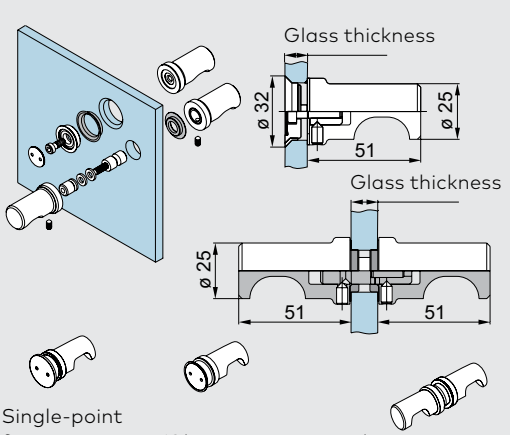
Handle bars

	Product description	Art. No.
	**Pair of pull handles** for 8-13.5 mm glass H-Form, with 2 single-point fixings, stainless steel	
	length 350 mm	**29.291**
	length 550 mm	**29.292**
	length 700 mm	**29.293**

Pull handle fixing

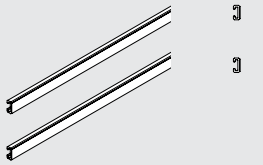
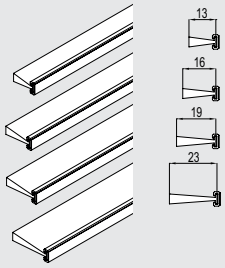
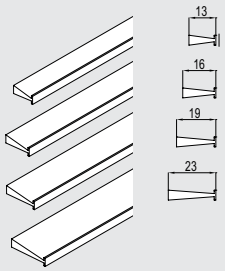
	Product description	Art. No.
	**Single pull handle fixings** 20 mm Ø hole prep. required Weight in kg: Aluminum 0.135	**13.001**
	**Back to back pull handle fixings** 20 mm Ø hole prep. required Weight in kg: Aluminum 0.249	**13.002**

Recessed pull grips and door knobs

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

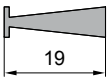
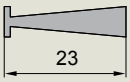
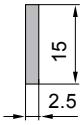
Note: To ensure better load transmission, please use a pull handle in conjunction with the DORMOTION damping unit.

Brush seals

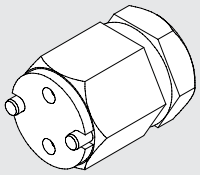
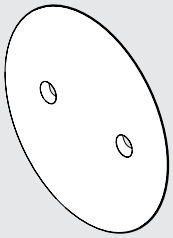
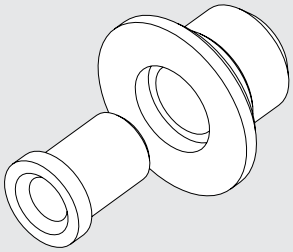
Brush seals for sliding doors	Product description	Art. No.
	**MUTO reception profile for vertical brush seals** stock length: 4,500 mm	**36.826**
	fixed length up to 4,500 mm	**36.827**
	MUTO reception profile with vertical brush seals fixed length up to 4,500 mm	
	for 13-16 mm gap	**36.828**
	for 16-19 mm gap	**36.829**
	for 19-23 mm gap	**36.830**
	for 23-77 mm gap	**36.831**
	MUTO vertical brush seal fixed length up to 4,500 mm	
	for 13-16 mm gap	**36.860**
	for 16-19 mm gap	**36.861**
	for 19-23 mm gap	**36.862**
	for 23-77 mm gap	**36.863**
	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.

Profile overview - seal system

	Product description		Product description
	Tubular seal (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 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**

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 hart 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 class 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.

WN 05443651532, 05/18, GB, 0.3, JP/SH, 06/18
Subject to change without notice



Door Hardware



Entrance systems



Electronic Access & Data



Interior Glass Systems



Mechanical Key Systems



Service

dormakaba Deutschland GmbH
DORMA Platz 1
D-58256 Ennepetal
T +49 2333 793-0
info.de@dormakaba.com
www.dormakaba.de

dormakaba Austria GmbH
Ulrich-Bremi-Strasse 2
A-3130 Herzogenburg
T +43 2782 808-0
office.at@dormakaba.com
www.dormakaba.at

dormakaba Schweiz AG
Lerchentalstrasse 2a
CH-9016 St. Gallen
T +41 848 85 86 87
info.ch@dormakaba.com
www.dormakaba.ch