



Manual Sliding Door Systems

Technical brochure 2017

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

dormakaba 



CONTENT



MUTO

Manual sliding door system
with track rail system
6 – 74



RS 120

Manual sliding door system
with clamp fittings
and cover profile
76 – 84



MANET

Single-point fitting system,
stainless steel,
for manuelle sliding doors
86 – 125



RSP 80

Manual sliding door system
with single-point fixing,
aluminum
126 – 131



Accessories

132 – 150

Safety-related information

151

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 dividers 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.

Applications and features	MUTO M 50	MUTO L 80	MUTO Premium XL 80/150
Suspended sliding door	●	●	●
Integrated / concealed carrier	●	●	●
1 panelled sliding door	●	●	●
Two panelled bi-parting sliding door		●	●
Integrated locking device		●	●
Status indicator		●	●
Suspended ceilings		●	●
Self-Closing			
Synchro version		●	●
End-position engage cushioning	●	●	●
Installation at wall	●	●	●
Installation at wall; version with large glass-to-wall clearance for bridging existing frames			
Installation at ceiling	●	●	●
Fixed at glass	●	●	●
System integration of fixed sidelights		●	●
Safe use of laminated safety glass elements		●	●
Timber sliding door possible			
Panel attachment with no glass preparation ¹⁾	●	●	●
Max. sliding panel weight (kg)	50	80	80 / 150
Min. sliding panel width (mm)	without DORMOTION	660 ³⁾	660 ³⁾
	with DORMOTION	905 ³⁾	990 ³⁾
Max. sliding panel width (mm)	1,300	1,500 (max. 2,000) ⁶⁾	1,500 (max. 2,500) ⁶⁾
Max. sliding panel height (mm)	2,500	3,000	3,000
Glass thicknesses (mm) sliding panel	8, 10	8 – 13.5	8 – 13.5
Glass type	TSG	TSG / LSG ^{4) 5)}	TSG / LSG ^{4) 5)}
Timber thickness (mm) sliding panel	28 – 50	28 – 50	28 – 50
Glass thicknesses (mm) integrated sidelights	8 – 13.5	8 – 13.5	8 – 13.5
Page	22	28	44

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) 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.

● Standard ○ Optional

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 counter-sunk holes to ensure that it is flush 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 plastics running surface ensures particularly smooth and quiet operation.

MUTO Premium Self-Closing 120	RS 120	MANET COMPACT	MANET CONCEPT	RSP 80
●	●	●	●	●
●	●			
●	●	●	●	●
●	●	●	●	●
●				
●				
●				
●				
●	●			
●	●	●	●	●
		●	●	○
●	●		●	
●		●	●	
●	●	●	●	
●	●		●	●
●	●		●	
120	80 / 120 ²⁾	100	120	80
660 ³⁾	500 ³⁾	500 ³⁾	500 ³⁾	500 ³⁾
830 ³⁾				
1,500	1,500 ⁶⁾	1,200 ⁶⁾	1,500 ⁶⁾	1,200 ⁶⁾
3,000	3,000	2,500	3,000	2,500
8 – 13.5	8, 10, 12	8, 10, 12	8 – 17.5	8, 10
TSG / LSG ^{4) 5)}	TSG	TSG	TSG / LSG ⁷⁾	TSG
28 – 50	26 – 38		20 – 40	25 – 40
8 – 13.5		10, 12	10 – 17.5	
62	76	86	96	126

MUTO

General information

Advantages at installation

Clamp&Glue technology

Program overview

Profile cross section

Feasible panel width

8 – 21

MUTO Comfort M 50

– Typical assemblies

– Fitting modules

– Component parts

22 – 27

MUTO Comfort L 80

– Typical assemblies

– Fitting modules

– Component parts

28 – 43

MUTO Premium XL 80/150

– Typical assemblies

– Fitting modules

– Component parts

44 – 61

MUTO Premium Self-Closing 120

– Typical assemblies

– Fitting modules

– Component parts

62 – 75

Accessories

132 – 150

Safety-related information

151



GENERAL INFORMATION

MUTO

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

Weight classes

- 50 kg
- 80 kg
- 150 kg

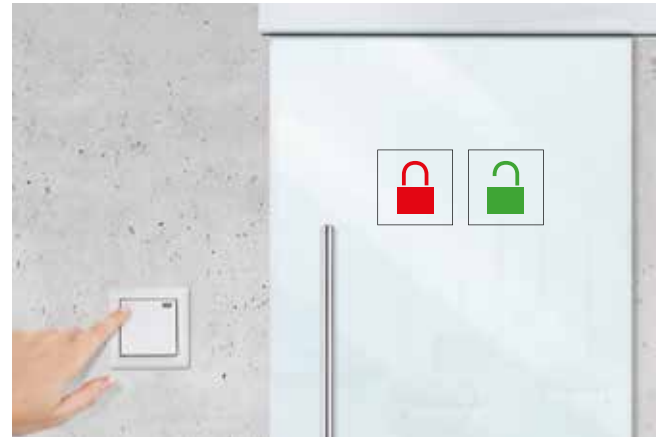
Activity rate, longevity

- ≥ 100,000 cycles
- 50 kg variant
- 80 kg variant
- ≥ 200,000 cycles
- 80/150 kg variant
- Self-Closing, max. 120 kg

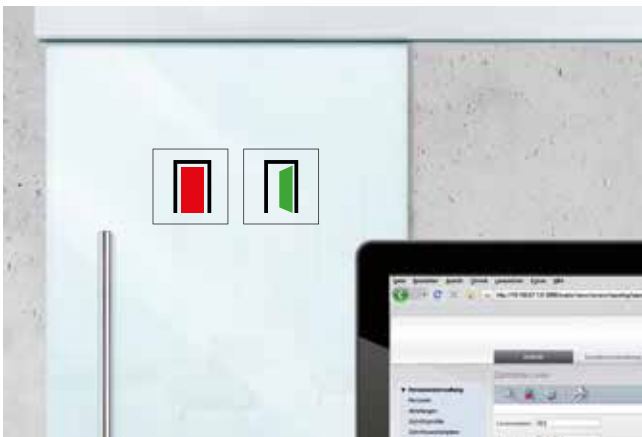
DORMOTION – the elegant damping mechanism



Integrated electromechanical lock – discretion assured



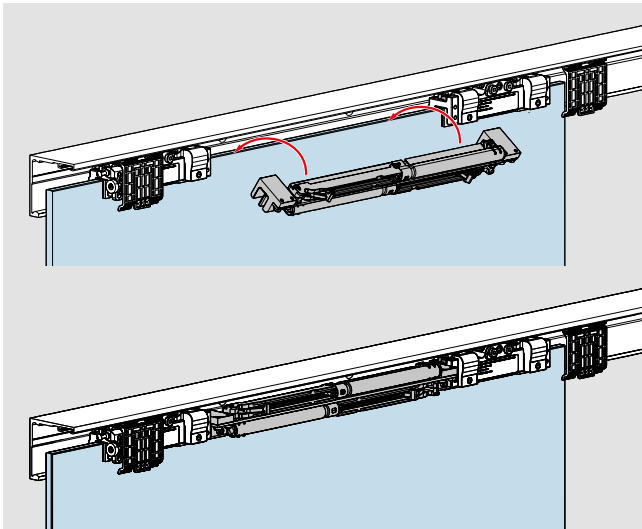
Status indicator – everything under control



Self-Closing – hassle-free

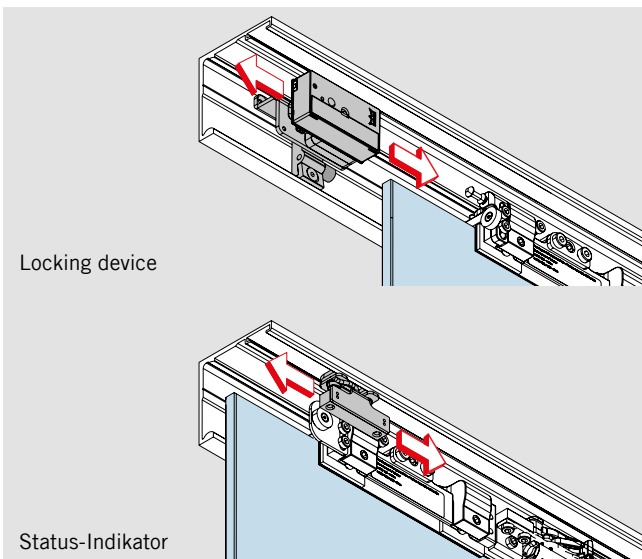
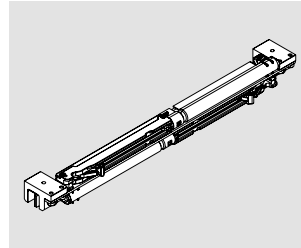


RETROFITTABLE AND SAFE



DORMOTION (damping mechanism)

- Retrofittable in existing systems (without the need for disassembly)
- Applies to the following "Comfort" systems:
 - MUTO Comfort M 50
 - MUTO Comfort L
 - MUTO Premium XL

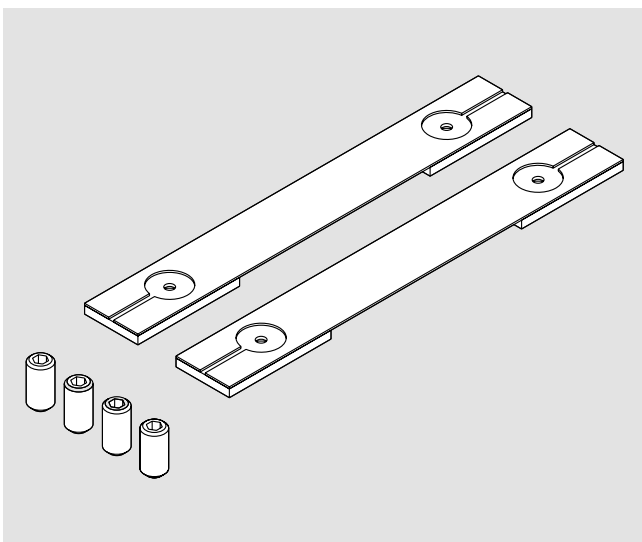


Locking device

Status-Indikator

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 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 Self-Closing

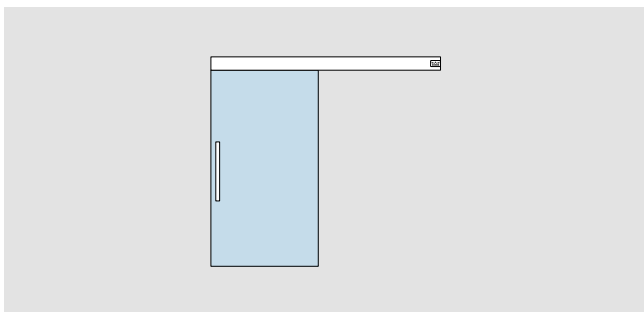


Secure hold for laminated safety glass without any mechanical glass preparation thanks to Clamp&Glue technology

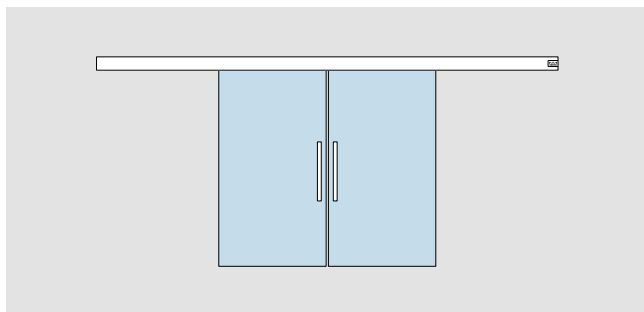
- Easy retrofitting of the carriers with LSG accessory set
- No unwanted LSG phenomena:
 - No bubble formation
 - No laminate slippage
 - No glass fracture as a result of excessive clamping forces
 - No negative influence of temperature change (foil disappears) thanks to Clamp&Glue technology
- Easy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

INSTALLATIONS

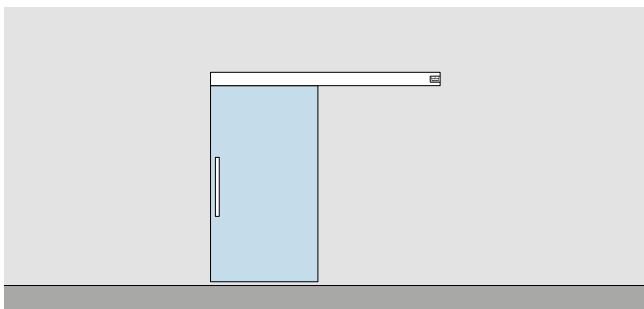
With one sliding panel



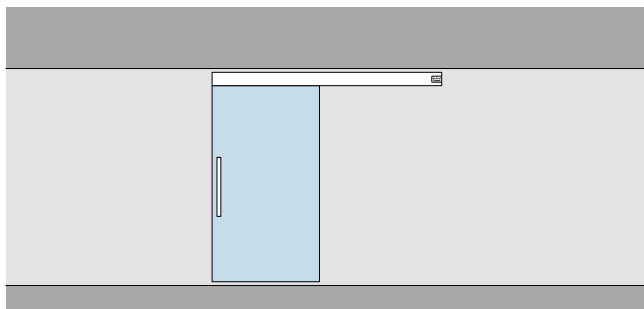
With two sliding panels



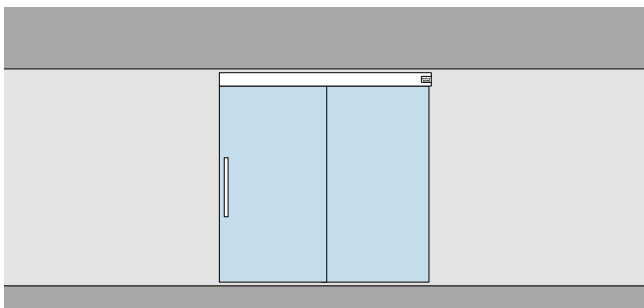
Fixed at wall



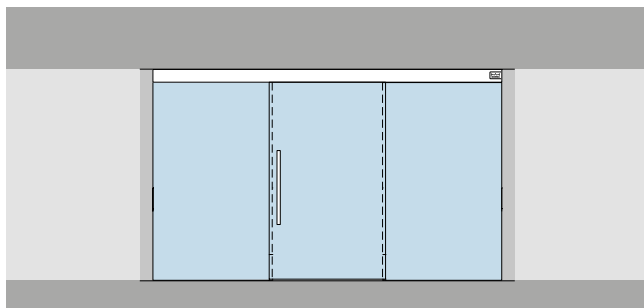
Fixed at ceiling



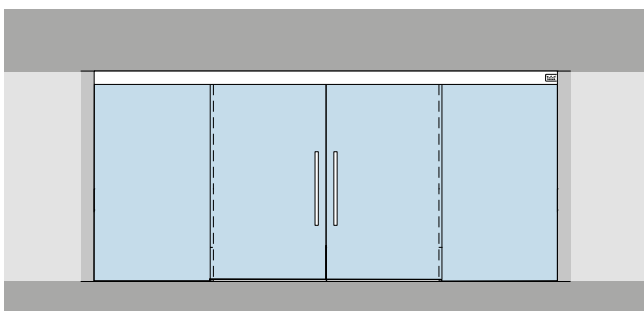
Fixed at transom with sidelight



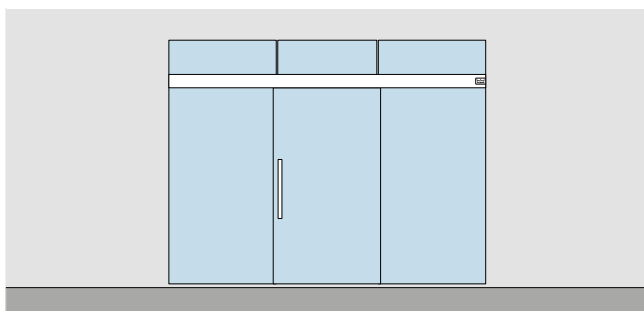
Fixed at transom with sidelight



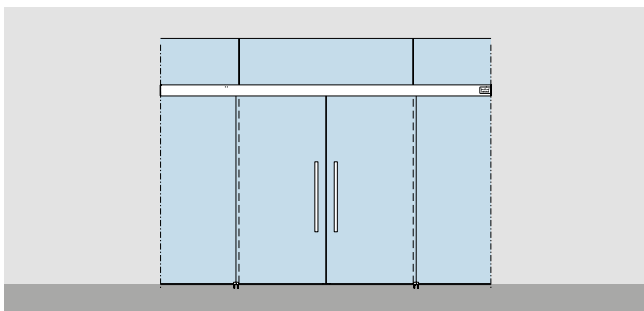
Fixed at ceiling with sidelight



Fixed at glass – with glass fanlight and glass side panels

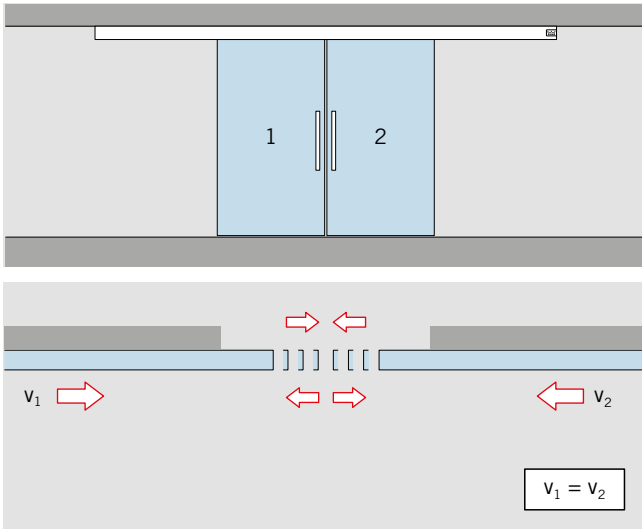


Fixed at glass – with glass fanlight and glass side panels

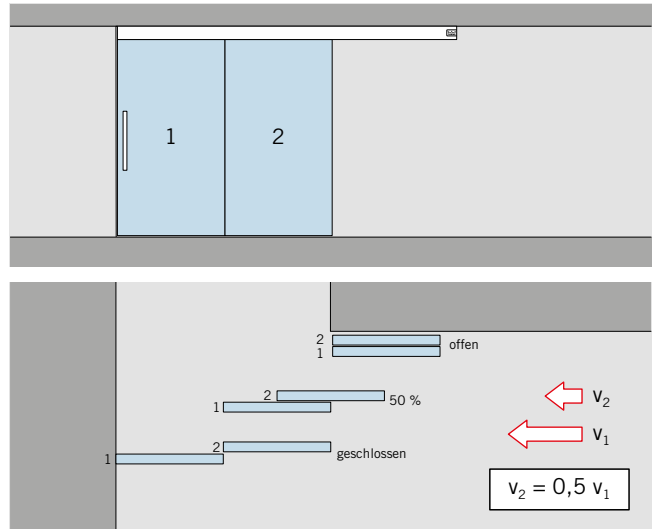


FUNCTIONALITIES

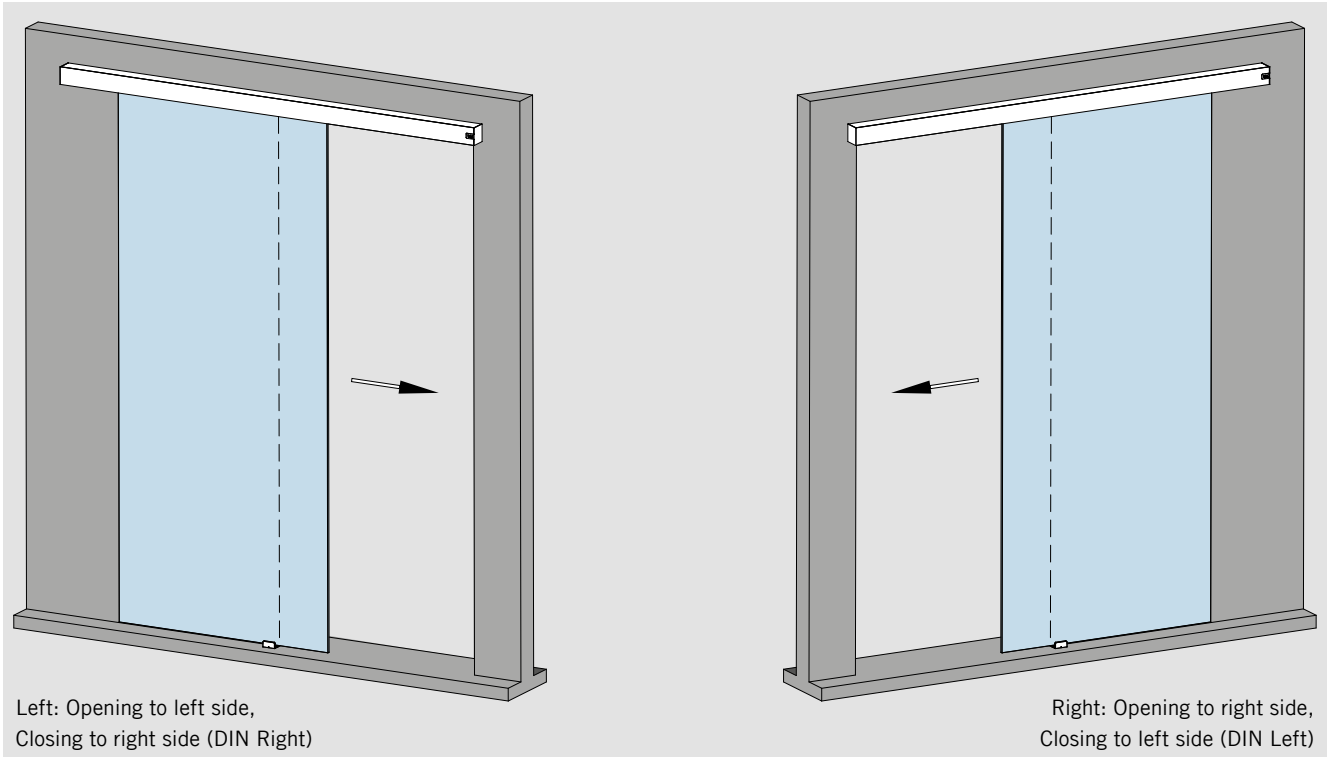
Synchro



Telescopic



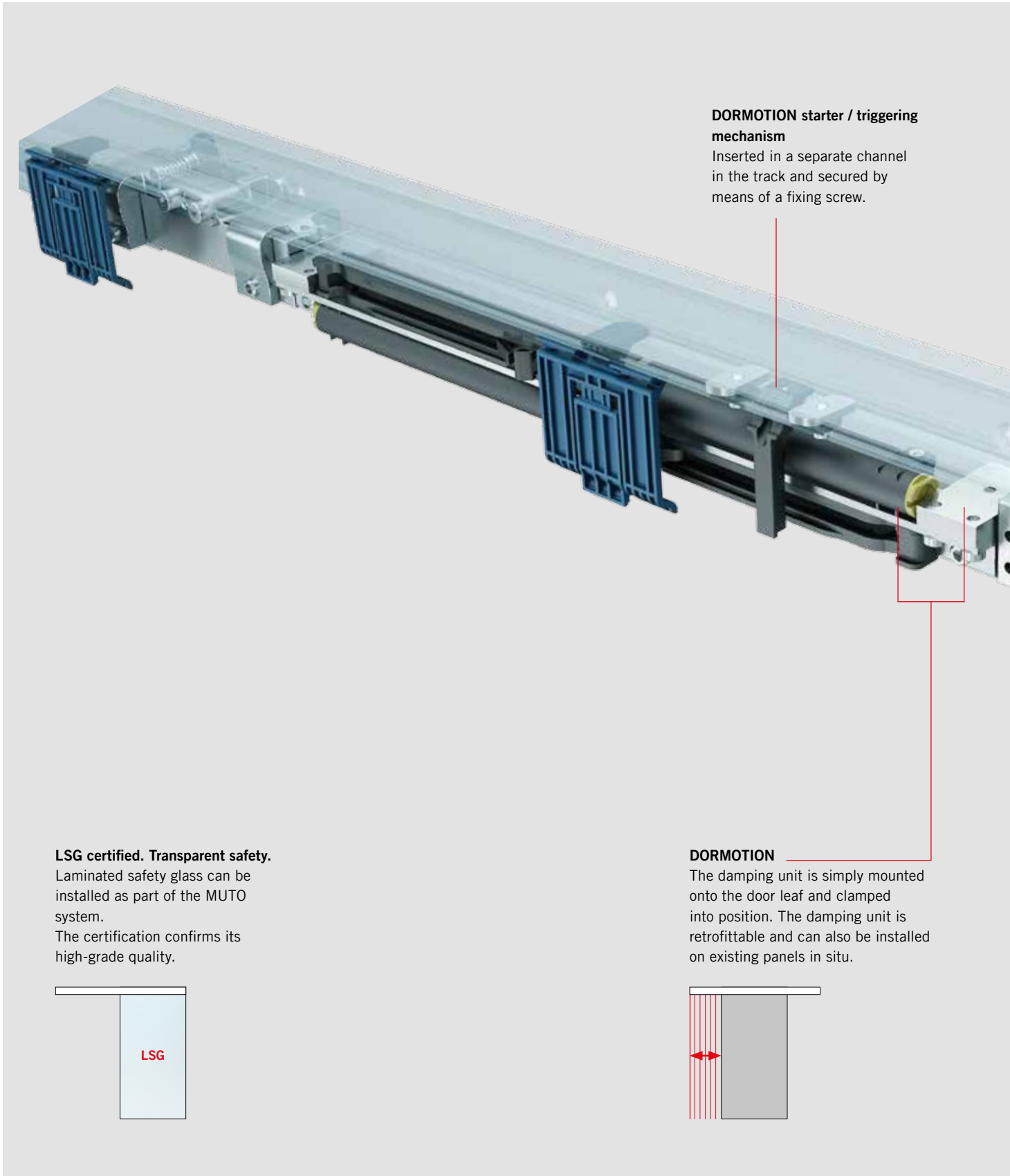
Self-Closing/Telescopic



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.

LSG certified. Transparent safety.

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

DORMOTION

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

MUTO – Installation L, XL, SC**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-jemmy (anti-thrust) protection

Easy activation of the anti-jemmy (anti-thrust) protection.

Mounting the cover profile (retaining insert)

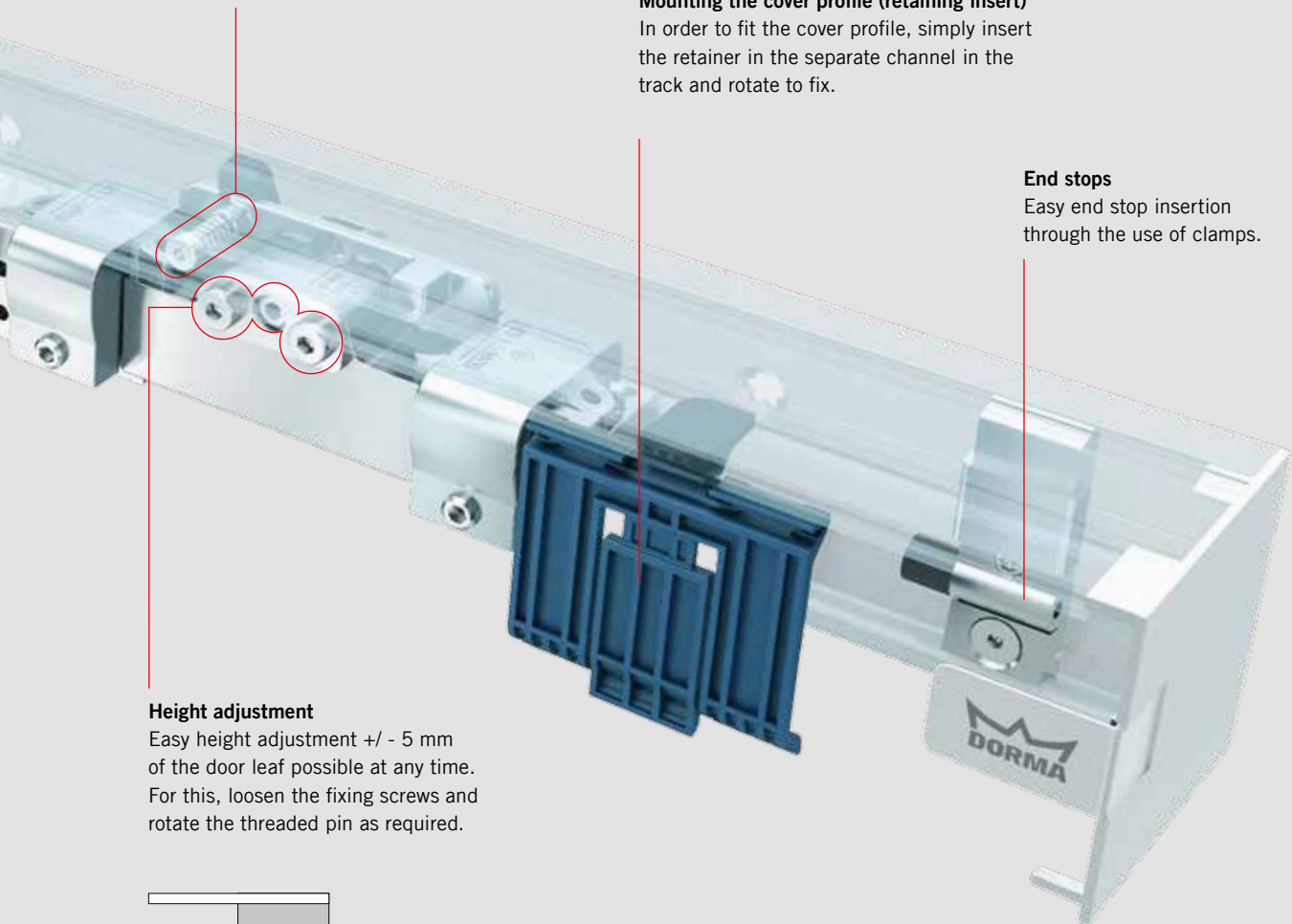
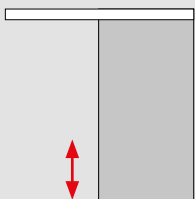
In order to fit the cover profile, simply insert the retainer in the separate channel in the track and rotate to fix.

End stops

Easy end stop insertion through the use of clamps.

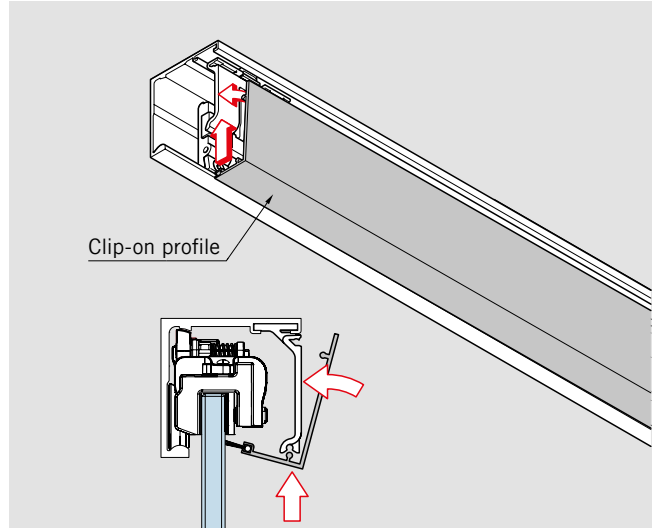
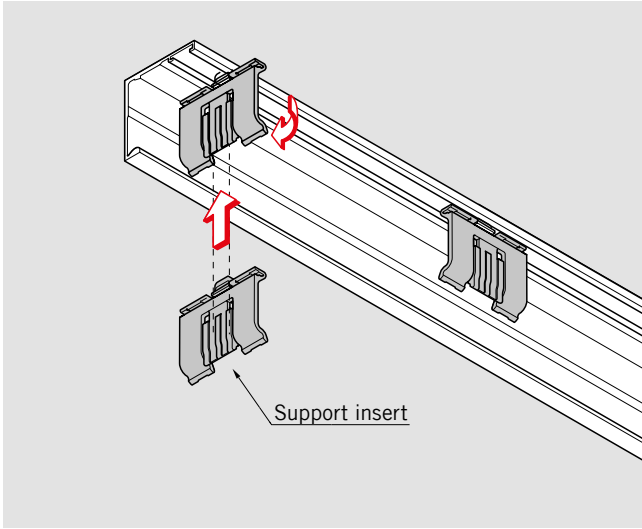
Height adjustment

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

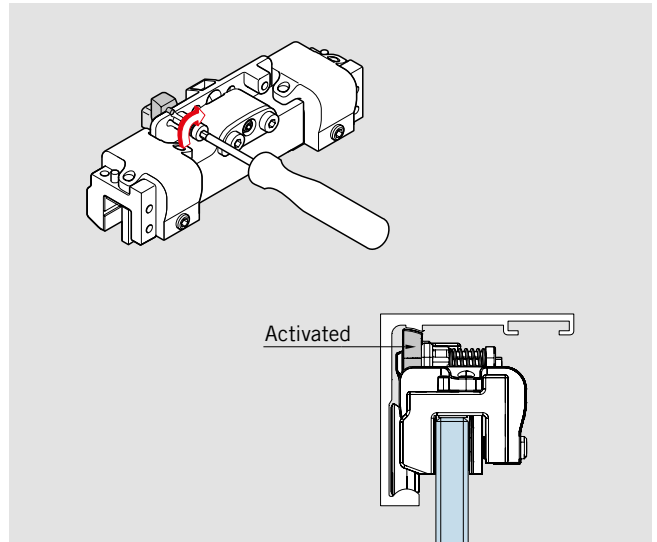
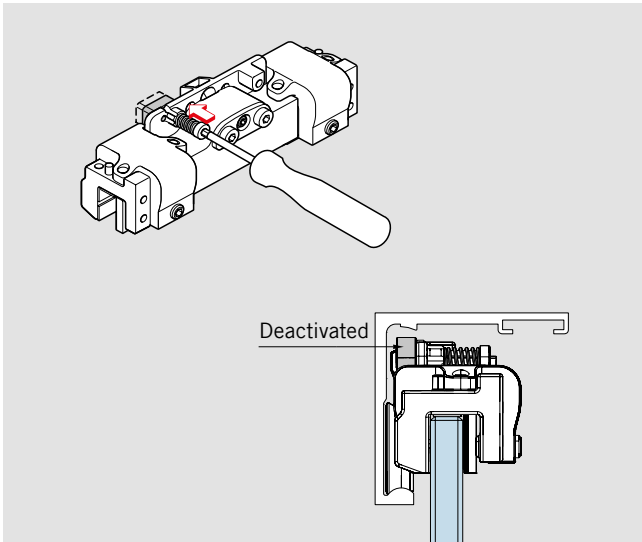


ADVANTAGES AT INSTALLATION

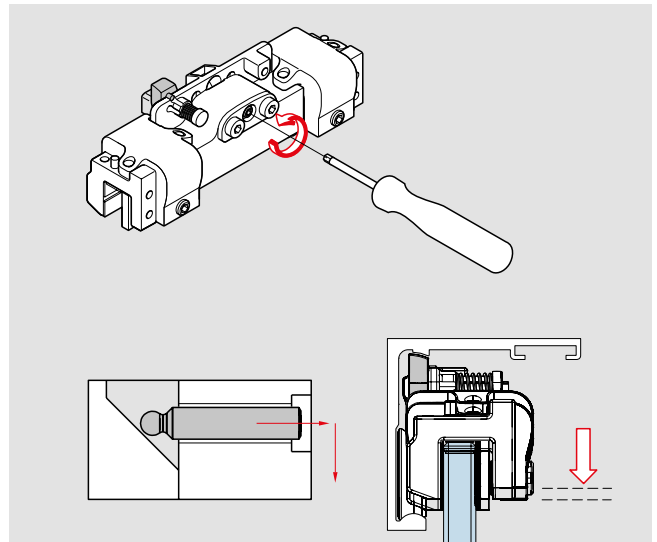
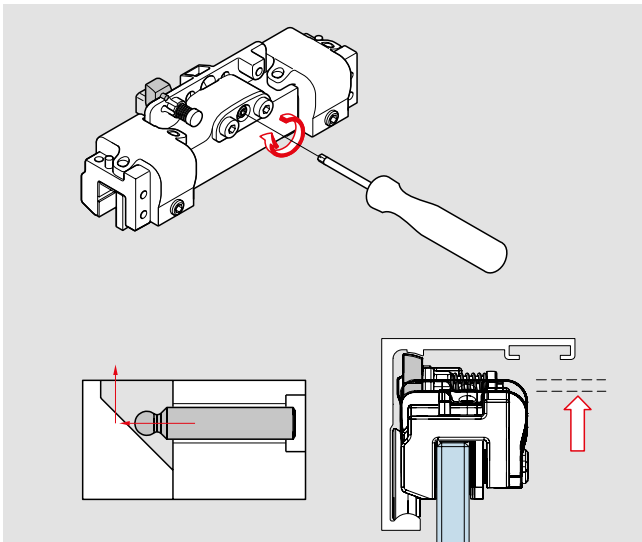
Cover profile



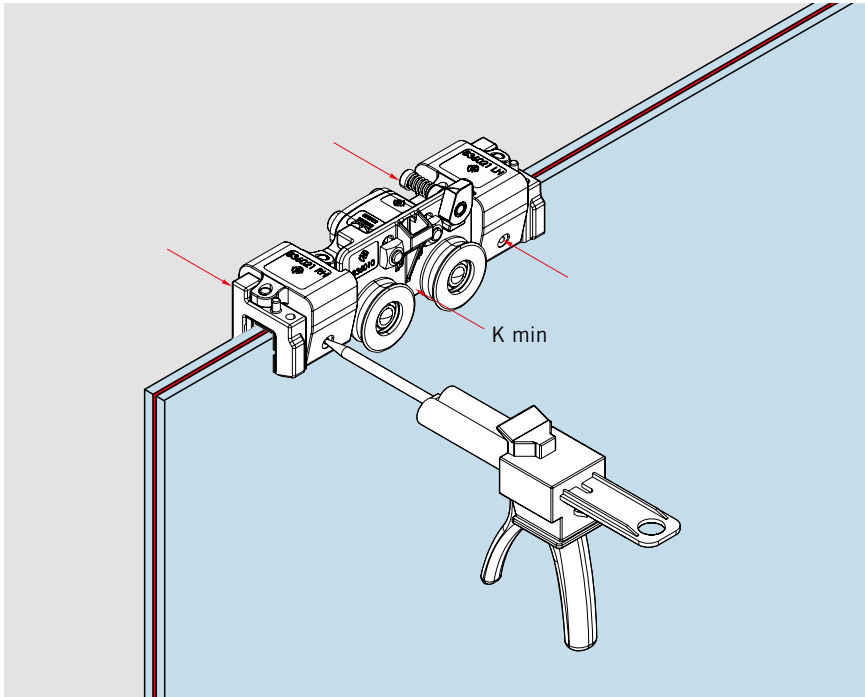
Anti-Jump device – Carriers: MUTO Comfort L, Premium XL and Self-Closing



Height adjustment – Carriers: MUTO Comfort L, Premium XL and Self-Closing



CLAMP&GLUE TECHNOLOGY



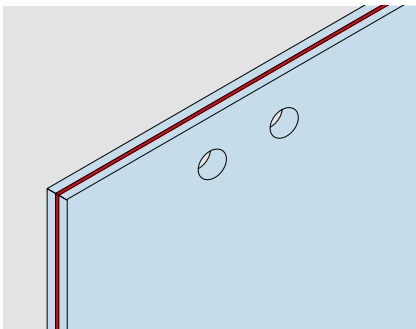
DORMA's Clamp & Glue technology provides the possibility to keep the advantages and – at the same time – to eliminate the potential failures of laminated safety glass.

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

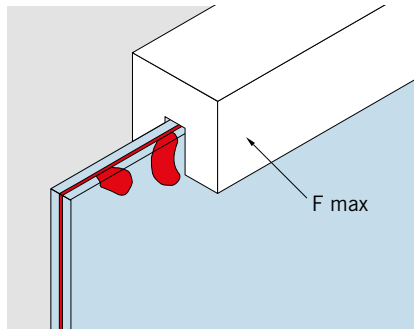
- Carrier sets readily convertible to LSG – make sure you specifically order LSG accessory sets
- High level of safety
- Easy installation
- Improved smoothness of operation
- Integration of sound protection laminate
- Decorative laminates
- Residual load-bearing capacity

MUTO: THE FOLLOWING NEGATIVE PHENOMENA ARE ELIMINATED WITH LSG

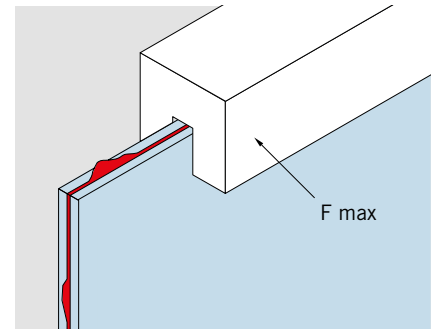
Glass preparation



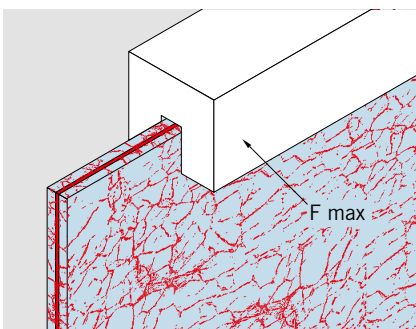
Blister



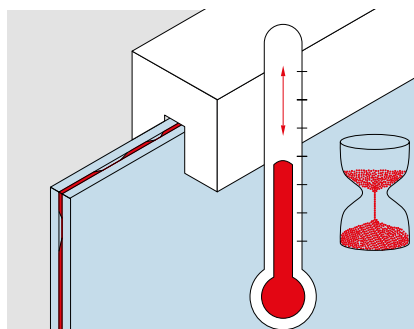
Extrusion of interlayer



Glass crack



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

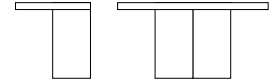
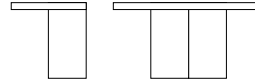


MUTO

Ideal for glass panels –
also optional for timber panels

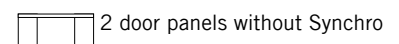
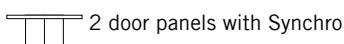
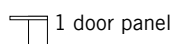
Much Comfort:

- 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	MUTO Comfort M 50	MUTO Comfort L 80	MUTO Premium XL 80
Track dimensions: Track	<input type="checkbox"/> B ≤ 57 mm <input type="checkbox"/> H ≤ 58 mm	<input type="checkbox"/> B ≤ 71 mm <input type="checkbox"/> H ≤ 58 mm	<input type="checkbox"/> B ≤ 72 mm <input type="checkbox"/> H ≤ 69 mm
Track dimensions: Track incl. Side panel	–	w = 90 mm	w = 91 mm
Track dimensions: Track + Cover profile	<input type="checkbox"/> B ≤ 57 mm <input type="checkbox"/> H ≤ 58 mm	<input type="checkbox"/> B ≤ 71 mm <input type="checkbox"/> H ≤ 58 mm	<input type="checkbox"/> B ≤ 72 mm <input type="checkbox"/> H ≤ 69 mm
Basic description			
Max. gap to wall (glass door)	21.5 – 23.5 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, 10 mm	8 – 13.5 mm	8 – 13.5 mm
Material thickness (timber) ≤ 50 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	+ 5 mm / – 3 mm	+ 5 mm / – 3 mm	+/- 5 mm
Corrosion EN 1670	Class 2	Class 4	Class 4
Door cycles	≤ 100,000	≥ 100,000	≥ 200,000
DIN EN 1527	●	●	●
Max. door weight/single door	50 kg	80 kg	80 kg
Max. door weight/double door	–	2 x 80 kg	2 x 80 kg
Prepared for timber	●	●	●
Glass type	TSG	TSG / LSG*	TSG / LSG*
Functionalities			
Adjustable from the front	–	●	●
DORMOTION	○ No glass preparation	○ No glass preparation	● No glass preparation
Synchro version	–	○	○
Status indicator	–	○	○
Concealed EM locking	–	○	○
Self-Closing	–	–	–

● yes – no ○ optional

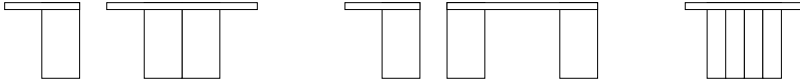


* LSG from 2 x TSG (min. 2 x 5mm).

** 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.

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 different panel weights (max. 150 kg)



MUTO Premium XL 150	MUTO Premium Self-Closing 120	MUTO Premium Teleskopic 80
$B \leq 72 \text{ mm}$ $H \leq 69 \text{ mm}$	<input type="checkbox"/> $B \leq 100 \text{ mm}$ $H \leq 69 \text{ mm}$	<input type="checkbox"/> $B \leq 124 \text{ mm}$ $H \leq 69 \text{ mm}$
w = 91 mm	w = 119 mm	w = 144 mm
$B \leq 72 \text{ mm}$ $H \leq 69 \text{ mm}$	<input type="checkbox"/> $B \leq 100 \text{ mm}$ $H \leq 69 \text{ mm}$	<input type="checkbox"/> $B \leq 125 \text{ mm}$ $H \leq 69 \text{ mm}$
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
$\leq 3,000 \text{ mm}$	$\leq 3,000 \text{ mm}$	$\leq 3,000 \text{ mm}$
$\leq 1,500 \text{ mm}^{**}$	$\leq 1,500 \text{ mm}$	$\leq 1,200 \text{ mm}$
+/- 5 mm	+/- 5 mm	+ 5 mm / - 3 mm
Class 4	Class 4	Class 4
$\geq 200,000$	$\geq 200,000$	$\geq 200,000$
●	●	●
150 kg	120 kg	2 x 80 kg
2 x 150 kg	2 x 120 kg	4 x 80 kg
●	●	●
TSG / LSG*	TSG / LSG*	TSG / LSG*
●	●	●
• No glass preparation	○ No glass preparation	○ No glass preparation
–	–	–
○	○	○
○	○	○
–	●	–

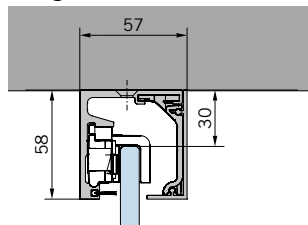
● yes – no ○ optional

2 door panels, Telescopic

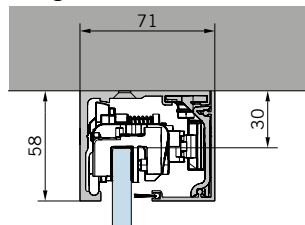
MUTO

Explanation of product names

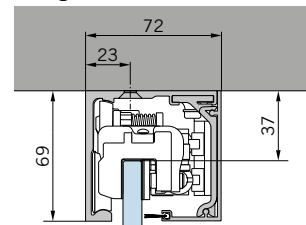
Profile dimensions
M = 57 x 58 mm
Max. Door weight
50 kg



Profile dimensions
L = 71 x 58 mm
Max. Door weight
80 kg



Profile dimensions
XL = 72 x 69 mm
Max. Door weight
80 kg



	MUTO M 50	MUTO L 80*	MUTO Premium XL 80*
DORMOTION	Optional	Optional	Yes
max. Sliding panel weight (kg)	50 kg	80 kg	80 kg
Movement cycles	≥ 100,000	≥ 100,000	≥ 200,000
Glass thickness sliding panel	8, 10 mm	8 – 13.5 mm	8 – 13.5 mm
Height adjustment	+ 4 mm / – 2 mm	+ 5 mm / – 3 mm	+/- 5 mm
Material thickness (Timber)	28 – 50 mm	28 – 50 mm	28 – 50 mm
max. Sliding panel height [GH][TH]	2,500 mm	3,000 mm	3,000 mm
Mounting type	Wall, ceiling	Wall, ceiling, glass	Wall, ceiling, glass
single panel			
Clear opening width [LW] min. – max.	845 – 1,240 mm	930 – 1,940 mm	750 – 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)	660 – 1,300 mm** 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)***	905 – 1,300 mm** no lock/ status indicator	990 – 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)***	900 – 1,300 mm** no lock/ status indicator	930 – 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)***	805 – 1,300 mm** no lock/ status indicator	870 – 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.	–	1,926 – 2,446 mm	1,566 – 2,890 mm
Panel width [A]	–	LW / 2 + 27 mm	LW / 2 + 27 mm
Panel width [A] min. – max.	–	990 – 1,250 mm	810 – 1,470 mm
Length of track [B] Wall/ceiling	–	4 x A – 44 mm	4 x A – 44 mm
Length of track [B] at glass	–	4 x A + 12 mm	4 x A + 12 mm

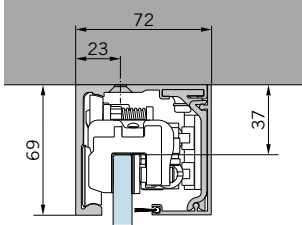
* Benefit variant Premium XL – 80 versus Comfort L – 80: higher number of movement cycles and smaller panel width on DORMOTION.

Profile dimensions

XL = 72 x 69 mm

Max. Door weight

150 kg

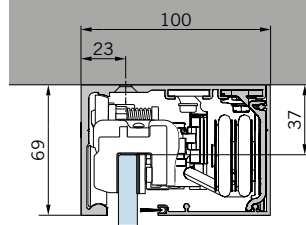


Profile dimensions

Self-Closing = 100 x 69 mm

Max. Door weight

120 kg



**MUTO Premium
XL 150**

Yes

150 kg

≥ 200,000

8 – 13.5 mm

+/- 5 mm

28 – 50 mm

3,000 mm

Wall, ceiling, glass

**MUTO Premium
Self-Closing 120**

Yes

120 kg

≥ 200,000

8 – 13.5 mm

+/- 5 mm

28 – 50 mm

3,000 mm

Wall, ceiling, glass

single panel

960 – 2,440 mm

LW + 60 mm

770 – 1,440 mm

LW + 60 mm

660 – 1,500 (max. 2,500 mm**) –

1020 – 1,500 (max. 2,500 mm**) –

830 – 1,500 mm**

1,005 – 1,500 (max. 2,500 mm**) –

900 – 1,500 (max. 2,500 mm**) –

2 x A

2 x A

2 x A + 67 mm

2 x A + 67 mm

double panel

1,986 – 2,890 mm

LW / 2 + 27 mm

1,020 – 1,470 mm

4 x A – 44 mm

4 x A + 12 mm

1,606 – 2,890 mm

LW / 2 + 27 mm

830 – 1,470 mm

4 x A – 44 mm

4 x A + 12 mm

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

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

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

MUTO

SYSTEM	MUTO Comfort M 50*	MUTO Comfort L 80	MUTO Premium XL 80	MUTO Premium XL 150
	Protrusion track Panel width at door closed side (A)	Protrusion track Panel width at door closed side (A)	Protrusion track Panel width at door closed side (A)	Protrusion track Panel width at door closed side (A)

Panel width, "Comfort" (according to installation instructions with all enhanced-convenience "Comfort" features)

Minimum panel width incl. DORMOTION damping mechanism, taking into account the retrofit of a lock/status indicator and standard dimensioning and positioning of the track (B = A x 2)	905 mm 35 mm	990 mm 35 mm	810 mm 35 mm	1,020 mm 35 mm
---	--------------	--------------	--------------	----------------

Example length of track (on MUTO Comfort M 50):

$$A = 905 \text{ mm}$$

$$B = A \times 2$$

$$B = 1810 \text{ mm}$$

Panel widths, "Standard" (adaptation to the position of the DORMOTION damping unit)

Minimum panel width incl. DORMOTION damping unit without retrofitability of a lock/status indicator and with standard dimensions of the track (B = A x 2); please note the position of the track.	900 mm 40 mm	930 mm 45 mm	755 mm 45 mm	1,005 mm 45 mm
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Example length of track (on MUTO Comfort M 50):

$$A = 900 \text{ mm}$$

$$B = A \times 2$$

$$B = 1800 \text{ mm}$$

Panel widths, "Small" (adaptation to the position of the track)

Minimum panel width incl. DORMOTION damping unit without lock, with extended track ((B = A x 2) + x), taking into account the positioning of the track	805 mm 90 mm (x = 100 mm)	870 mm 75 mm (x = 50 mm)	690 mm 75 mm (x = 50 mm)	900 mm 75 mm (x = 50 mm)
---	------------------------------	-----------------------------	-----------------------------	-----------------------------

Example length of track (on MUTO Comfort M 50):

$$A = 805 \text{ mm}$$

$$B = (A \times 2) + x$$

$$B = (805 \times 2) + 100$$

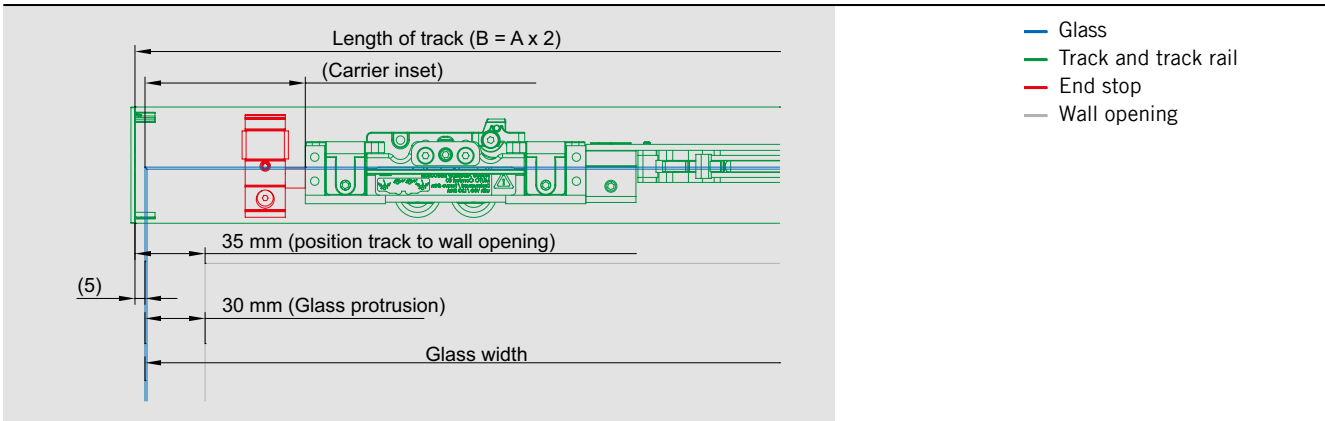
$$B = 1,710 \text{ mm}$$

*No lock/status indicator

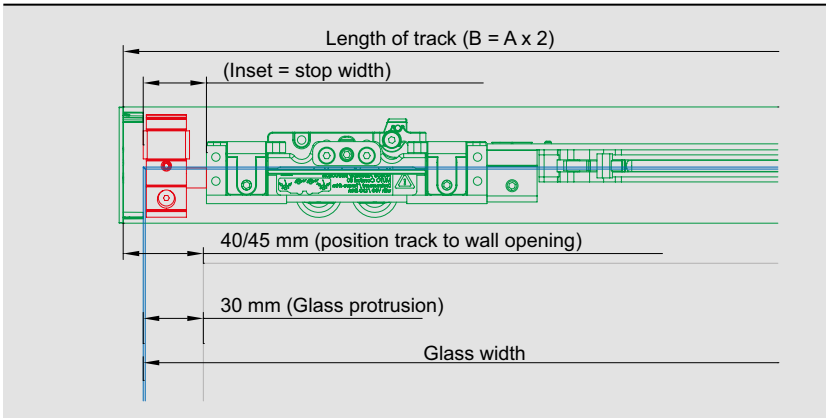
Prior to implementation of the panel widths "Standard" and "Small", please consult our department Application Engineering GLASS: 05222/924-0

Shown system: MUTO Comfort L 80

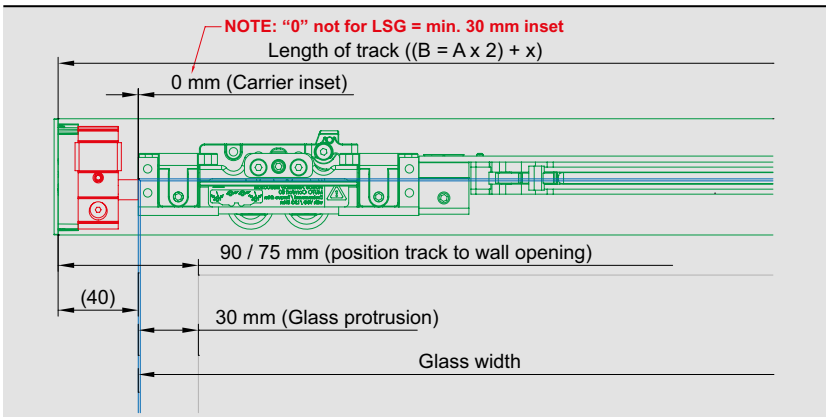
Panel width, "Comfort" (according to installation instructions with all enhanced-convenience "Comfort" features)



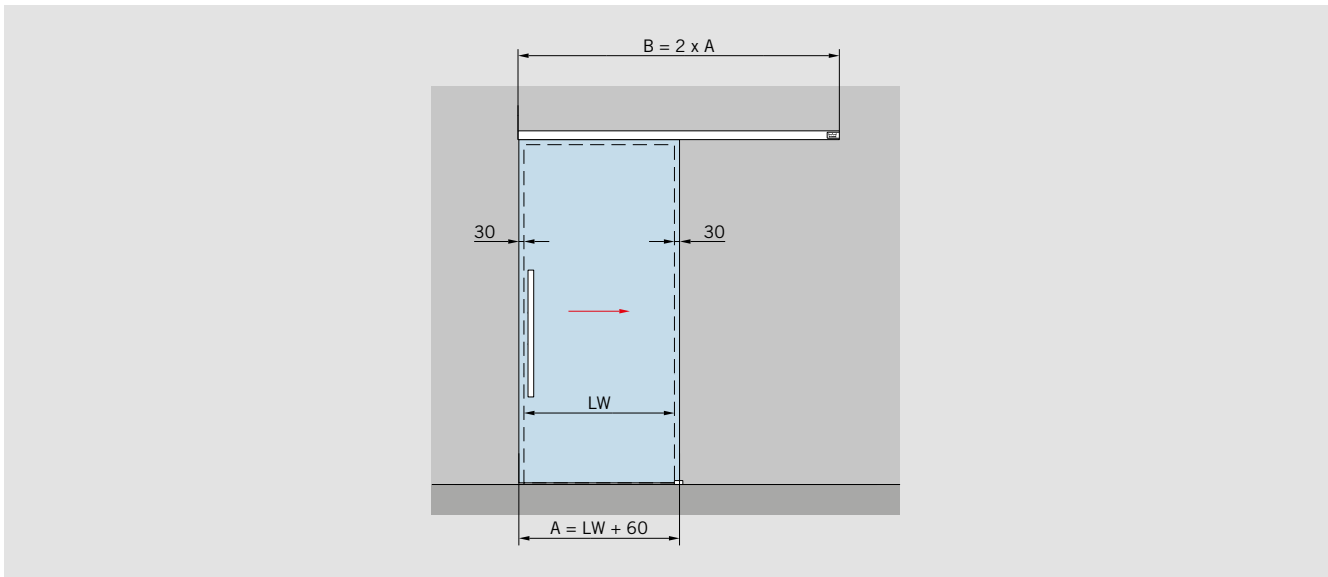
Panel widths, "Standard" (adaptation to the position of the DORMOTION damping unit)



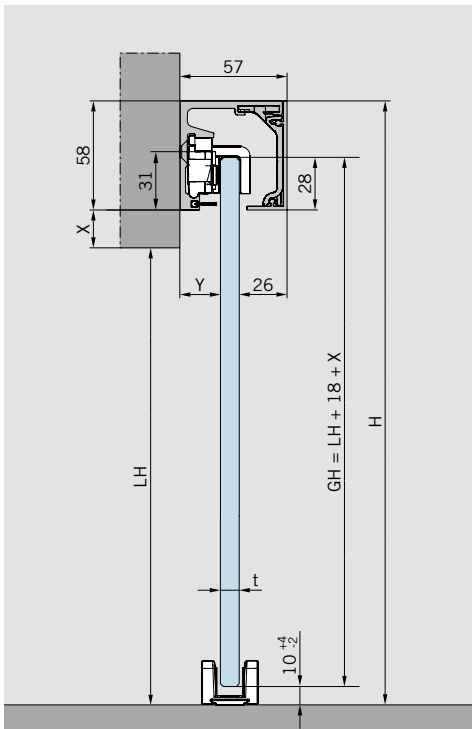
Panel widths, "Small" (adaptation to the position of the track)



TYPICAL ASSEMBLIES FIXED AT WALL



Fixed at wall



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 10 mm glass thickness

Max. weight of door panels

50 kg

Calculation of glass width

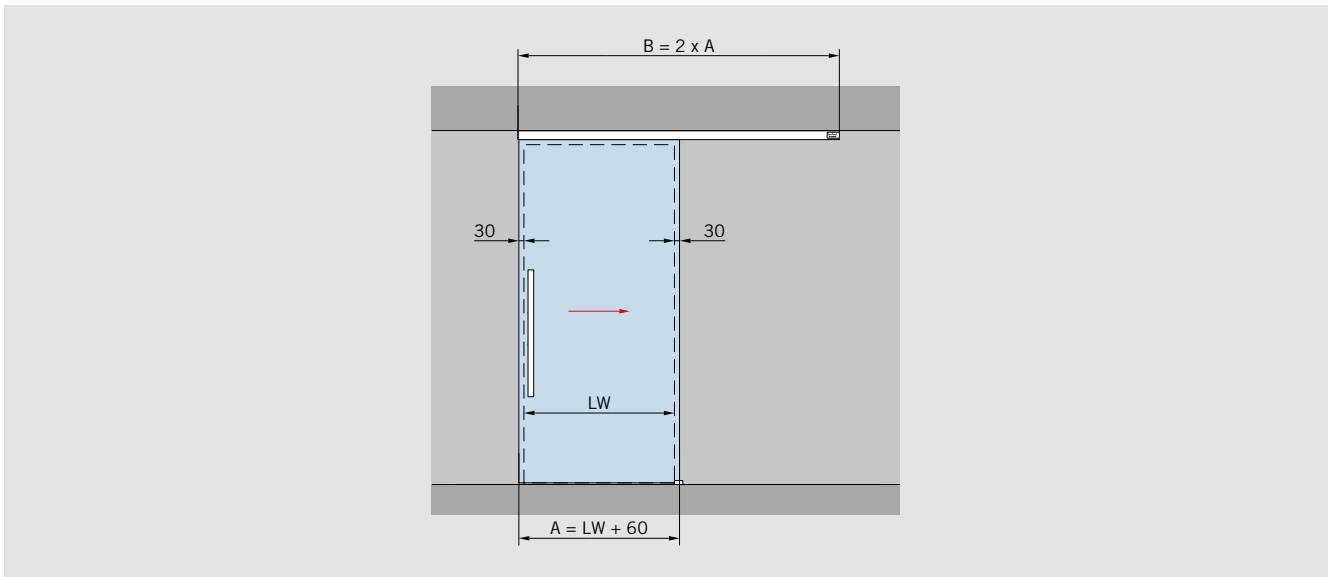
$A = LW + 60 \text{ mm}$
min. 660 mm
max. 1,300 mm
min. 905 mm with DORMOTION
max. 1,300 mm with DORMOTION

Calculation of glass height

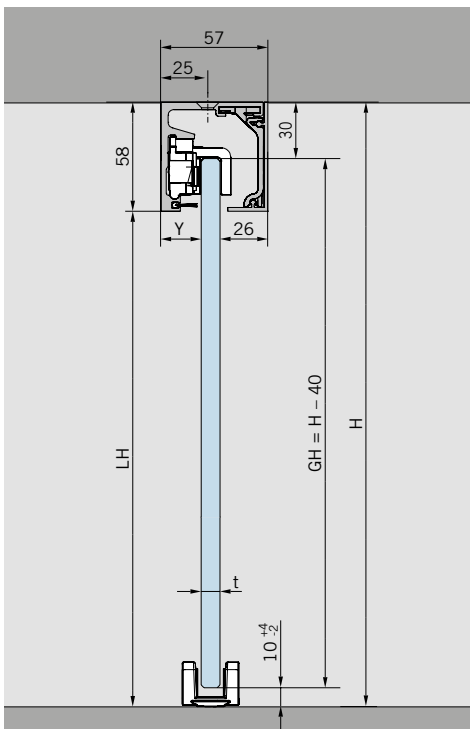
$GH = LH + 18 + X \text{ mm}$
max. 2,500 mm

- | | |
|---------------------------|--|
| A = Glass width | t = Glass thickness |
| B = Length of track | Y = 57 mm – 25 mm – t |
| GH = Glass height | X = Freely selectable protrusion
(depending on structural conditions) |
| H = Total height | |
| LH = Clear opening height | |
| LW = Clear opening width | |

TYPICAL ASSEMBLIES FIXED AT CEILING



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 10 mm glass thickness

Max. weight of door panels

50 kg

Calculation of glass width

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

min. 660 mm

max. 1,300 mm

min. 905 mm with DORMOTION

max. 1,300 mm with DORMOTION

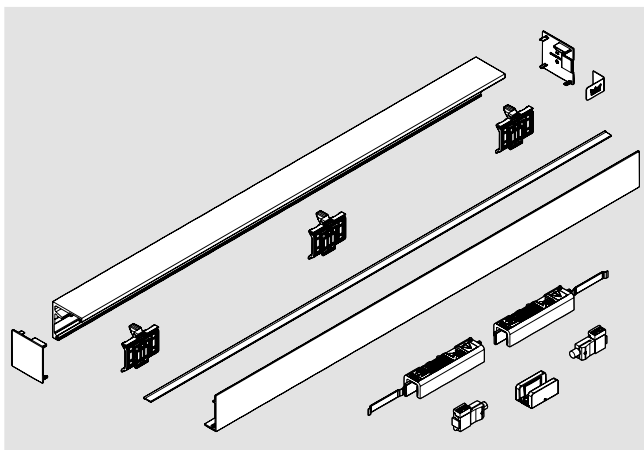
Calculation of glass height

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

max. 2,500 mm

- A = Glass width
- B = Length of track
- GH = Glass height
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- t = Glass thickness
- Y = 57 mm – 25 mm – t

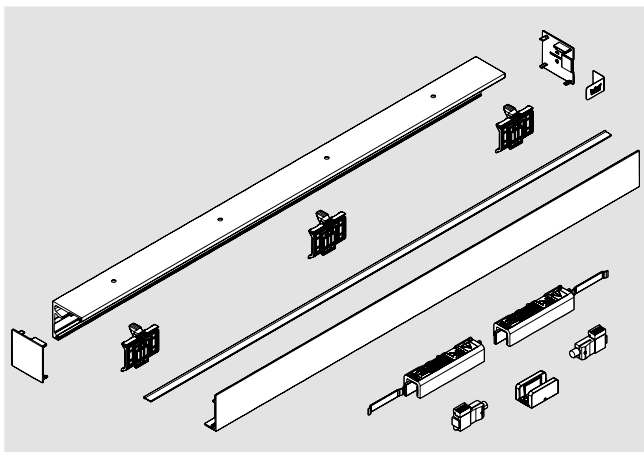
FITTING MODULES – SELECTED CLEAR OPENING WIDTH



MUTO Comfort M 50
 Set for wall installation
 incl. track profile, cover profile
 and brushes,
 accessory set, end caps

Panel width	Profile length	Art. No.
950	1,880	36.100
1,200	2,380	36.101

For 8 – 10 mm glass thickness,
 max. 50 kg

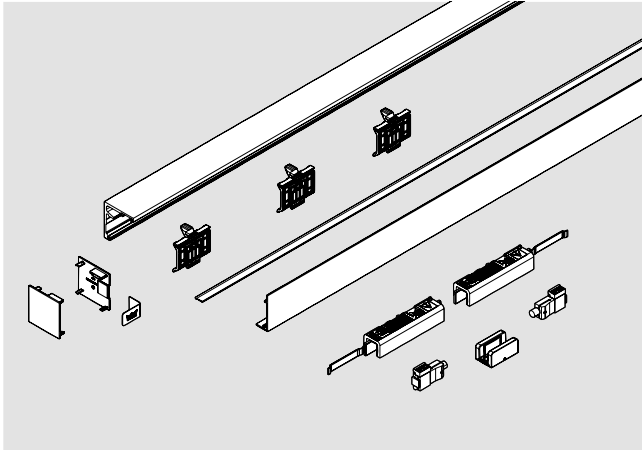


MUTO Comfort M 50
 Set for ceiling installation
 incl. track profile, cover profile
 and brushes,
 accessory set, end caps

Panel width	Profile length	Art. No.
950	1,880	36.103
1,200	2,380	36.104

For 8 – 10 mm glass thickness,
 max. 50 kg

FITTING MODULES – FOR INDIVIDUAL CLEAR OPENING WIDTH

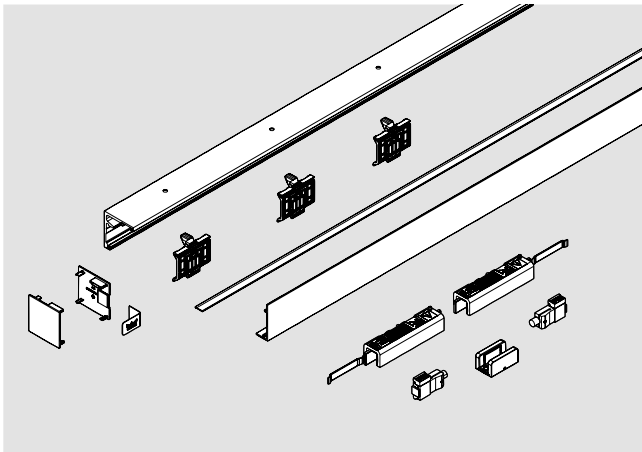


MUTO Comfort M 50

Art. No. 36.106

Set for wall installation
Individual profile length
up to max. 2,580 mm
incl. track profile, cover profile
and brushes,
accessory set, end caps

For 8 – 10 mm glass thickness,
max. 50 kg



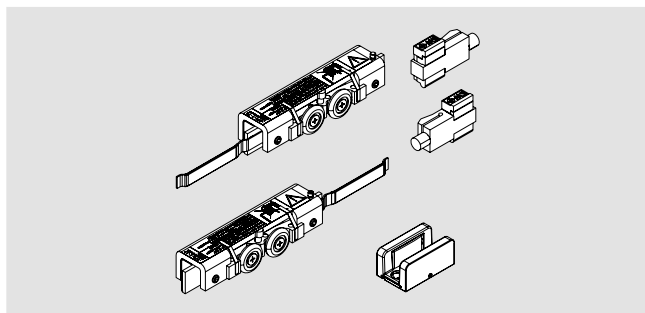
MUTO Comfort M 50

Art. No. 36.107

Set for ceiling installation
Individual profile length
up to max. 2,580 mm
incl. track profile, cover profile
and brushes,
accessory set, end caps

For 8 – 10 mm glass thickness,
max. 50 kg

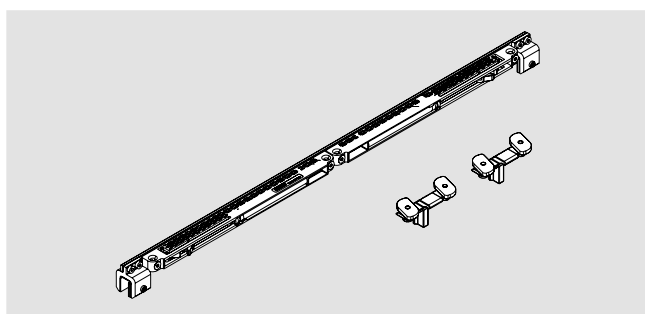
COMPONENT PARTS



MUTO Comfort M 50 Accessory set

Art. No. 36.150

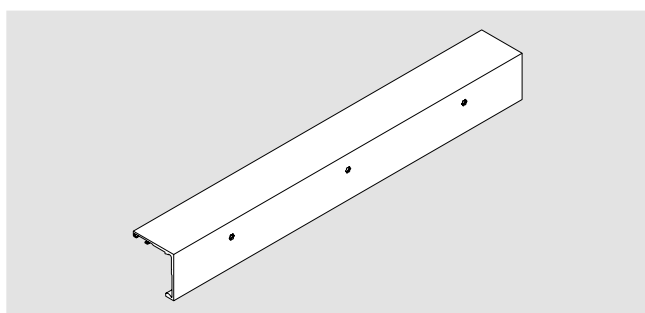
Consisting of:
2 Clamp carriers
2 Endstops
1 Floor guide



MUTO Comfort M 50 DORMOTION unit for max. 50 kg, incl. starter

Art. No. 36.153

optional



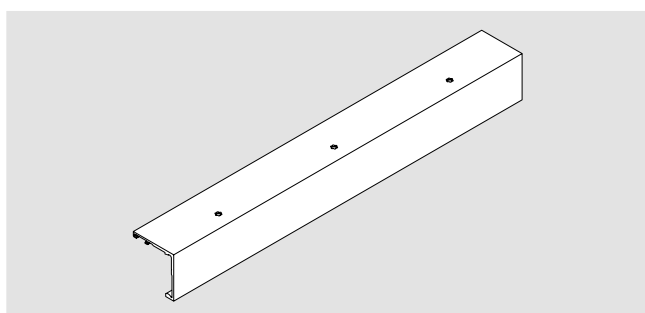
MUTO Comfort M 50 Track rail for wall installation

stock length 6,000 mm

Art. No. 36.108

fixed length

Art. No. 36.111



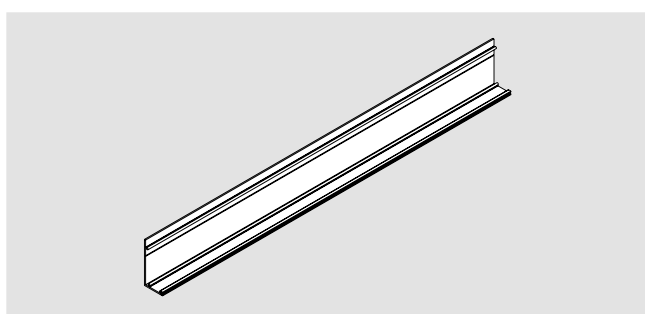
MUTO Comfort M 50 Track rail for ceiling installation

stock length 6,000 mm

Art. No. 36.109

fixed length

Art. No. 36.112



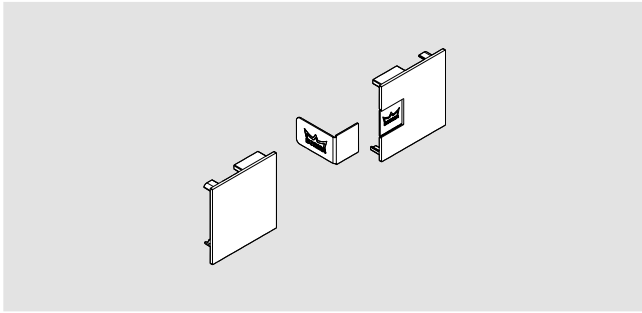
MUTO Comfort M 50 Cover profile

stock length 6,000 mm

Art. No. 36.110

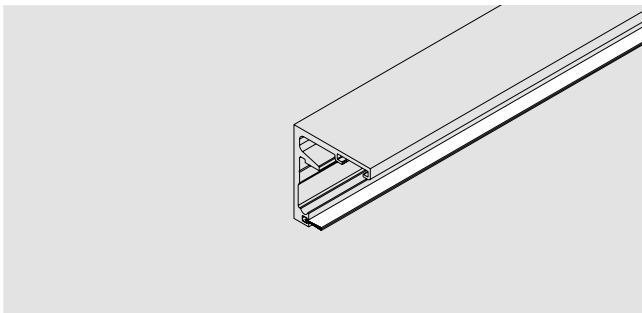
fixed length

Art. No. 36.113



MUTO Comfort M 50
Set endcaps
for wall and ceiling installation

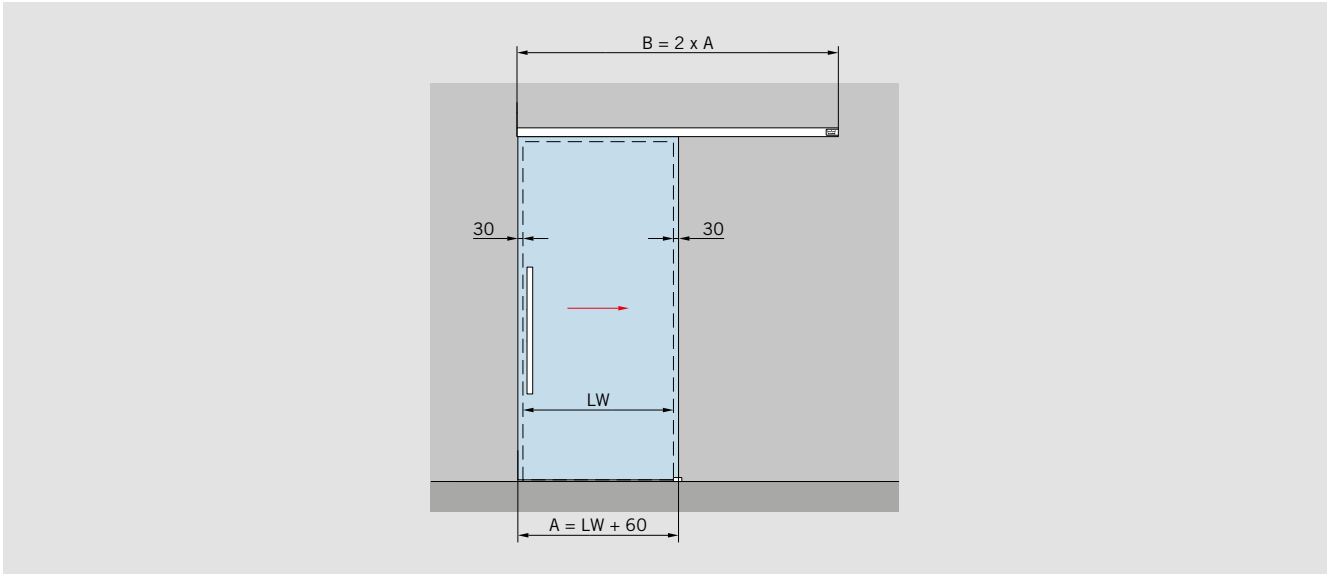
Art. No. 36.152



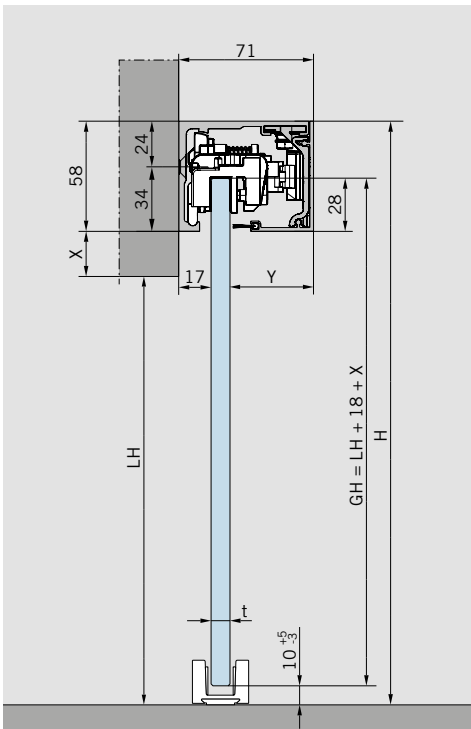
MUTO
Brush profile set fixed length
for Comfort M, L
and Premium XL
Consisting of:
1 brush profile
8 – 10 mm glass
1 brush profile
12 – 13.5 mm glass

Art. No. 36.265

TYPICAL ASSEMBLIES FIXED AT WALL



Fixed at wall



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg

Calculation of glass width

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

min. 660 mm

max. 2,000 mm

min. 990 mm with DORMOTION

max. 2,000 mm with DORMOTION

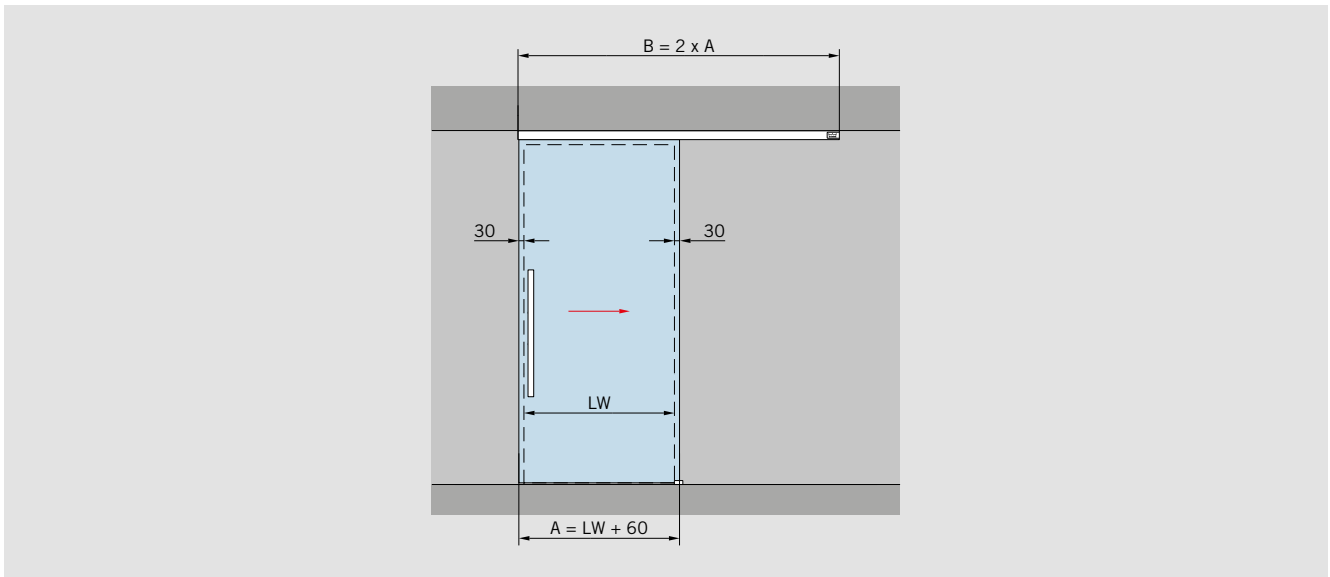
Calculation of glass height

$GH = LH + 18 + X \text{ mm}$

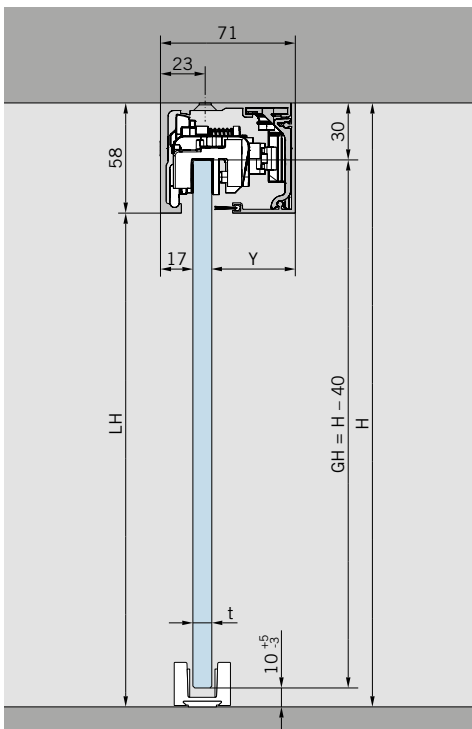
max. 3,000 mm

- | | |
|---------------------------|--------------------------------------|
| A = Glass width | t = Glass thickness |
| B = Length of track | Y = 71 mm – 17 mm – t |
| GH = Glass height | X = Freely selectable protrusion |
| H = Total height | (depending on structural conditions) |
| LH = Clear opening height | |
| LW = Clear opening width | |

TYPICAL ASSEMBLIES FIXED AT CEILING



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg

Calculation of glass width

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

min. 660 mm

max. 2,000 mm

min. 990 mm with DORMOTION

max. 2,000 mm with DORMOTION

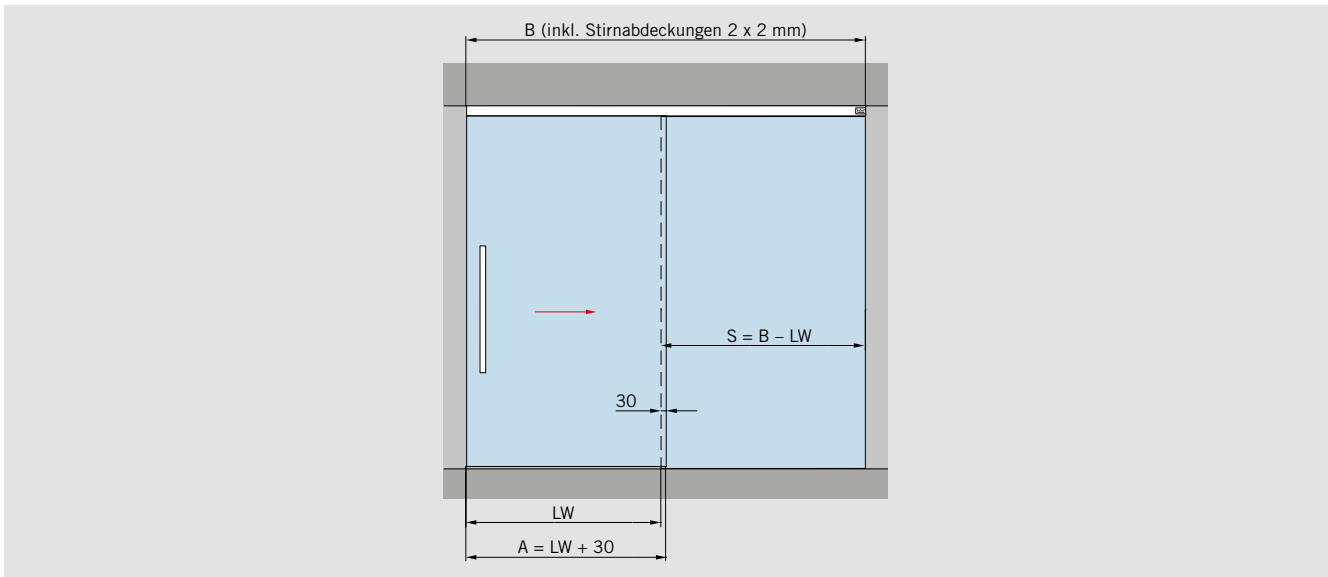
Calculation of glass height

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

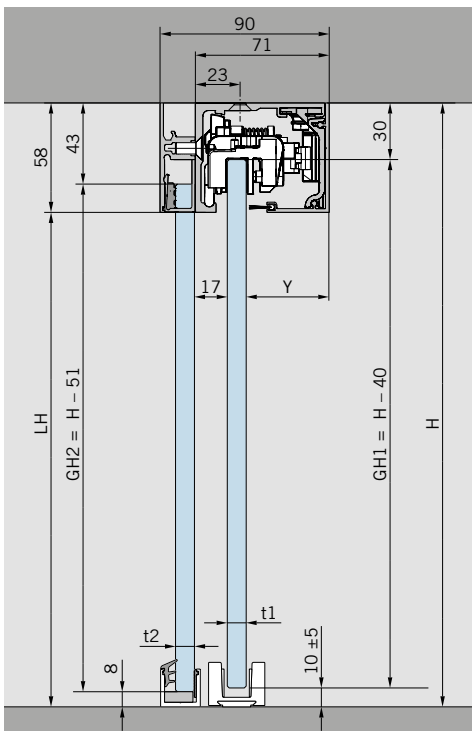
max. 3,000 mm

- A = Glass width
- B = Length of track
- GH = Glass height
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- t = Glass thickness
- Y = 71 mm – 17 mm – t

TYPICAL ASSEMBLIES WITH SIDE PANEL, ON ONE SIDE



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg

Calculation of glass width

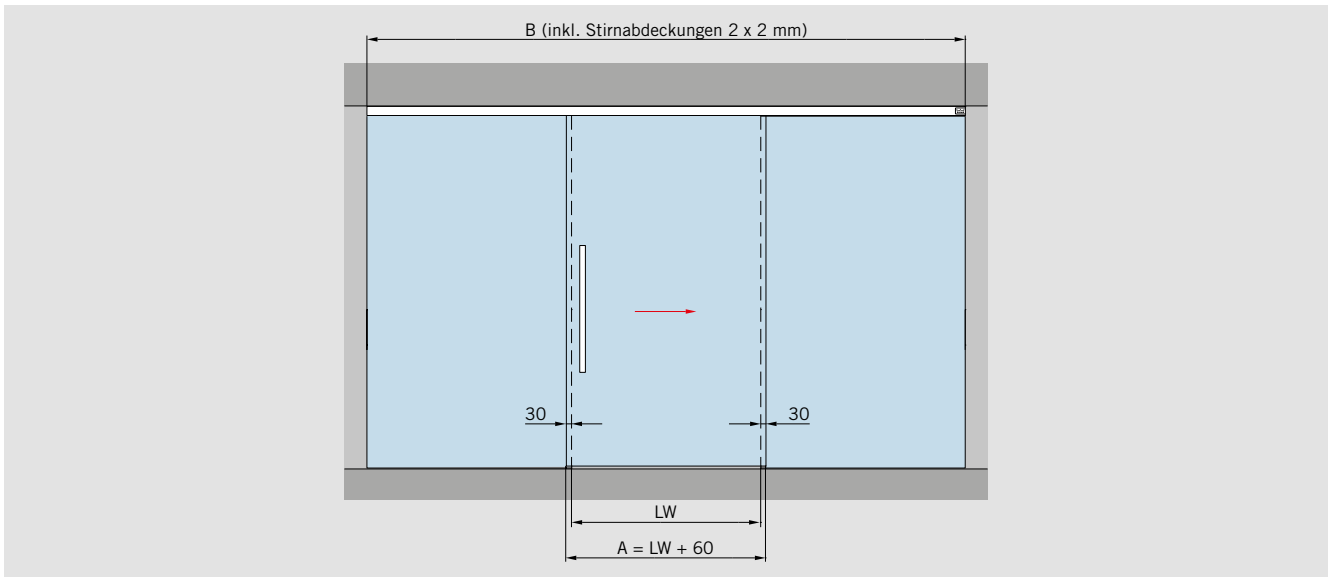
$A = LW + 30 \text{ mm}$
min. 660 mm
max. 2,000 mm
min. 990 mm with DORMOTION
max. 2,000 mm with DORMOTION

Calculation of glass height

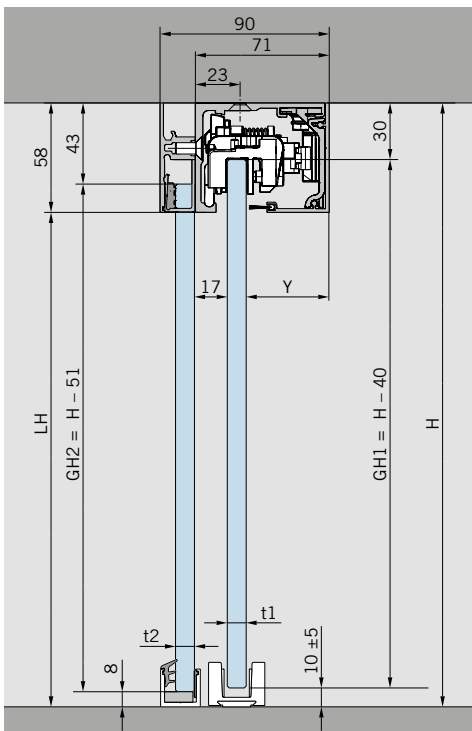
$GH1 = H - 40 \text{ mm}$
 $GH2 = H - 51 \text{ mm}$
max. 3,000 mm

- | | |
|---------------------------------|-----------------------------------|
| A = Glass width | LH = Clear opening height |
| B = Length of track | LW = Clear opening width |
| GH1 = Glass height sliding door | S = Glass width sidelight |
| GH2 = Glass height sidelight | t1 = Glass thickness sliding door |
| H = Total height | t2 = Glass thickness sidelight |
| | Y = 71 mm - 17 mm - t1 |

TYPICAL ASSEMBLIES WITH SIDE PANEL, ON BOTH SIDES



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg

Calculation of glass width

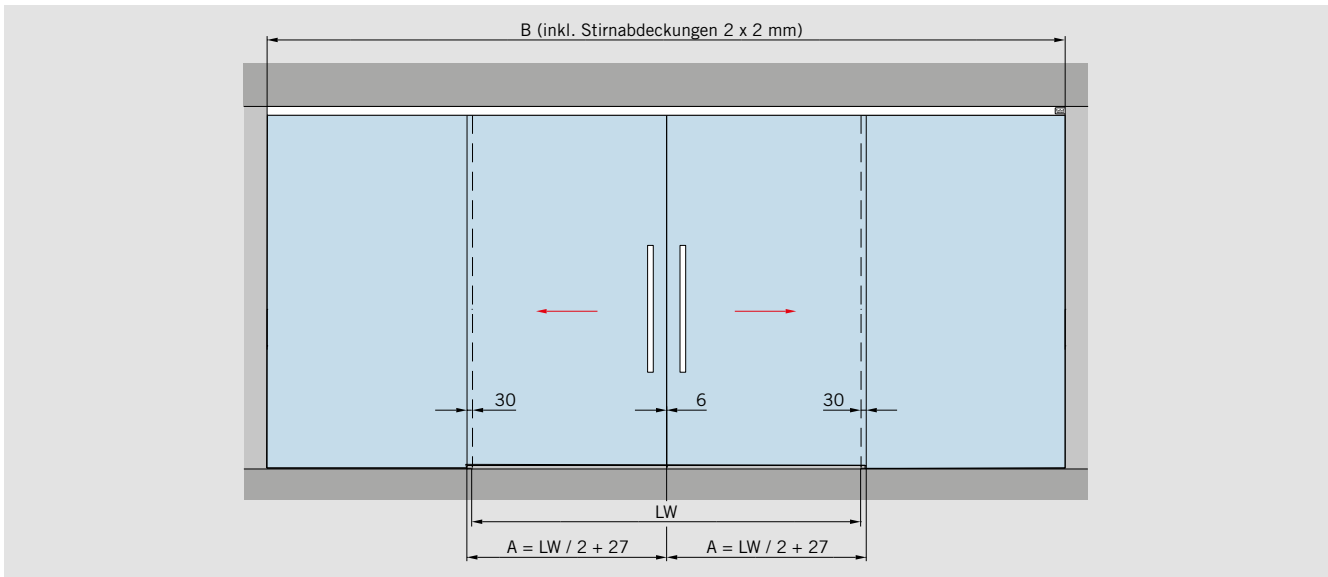
$A = LW + 30 \text{ mm}$
min. 660 mm
max. 2,000 mm
min. 990 mm with DORMOTION
max. 2,000 mm with DORMOTION

Calculation of glass height

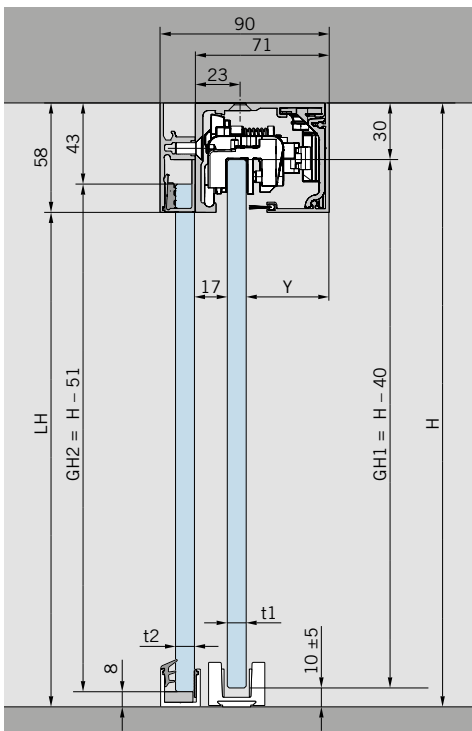
$GH1 = H - 40 \text{ mm}$
 $GH2 = H - 51 \text{ mm}$
max. 3,000 mm

A = Glass width	LH = Clear opening height
B = Length of track	LW = Clear opening width
GH1 = Glass height sliding door	S = Glass width sidelight
GH2 = Glass height sidelight	t1 = Glass thickness sliding door
H = Total height	t2 = Glass thickness sidelight
	Y = 71 mm - 17 mm - t1

TYPICAL ASSEMBLIES WITH TWO DOOR PANELS WITH SIDELIGHTS



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall; for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg

Calculation of glass width

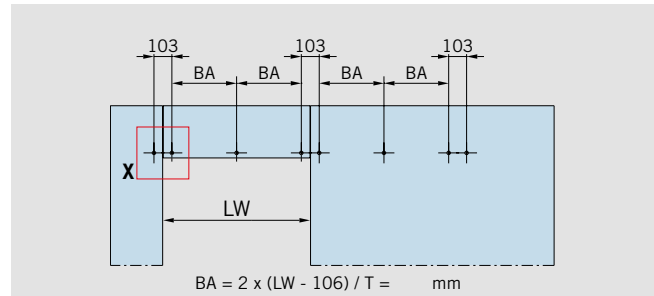
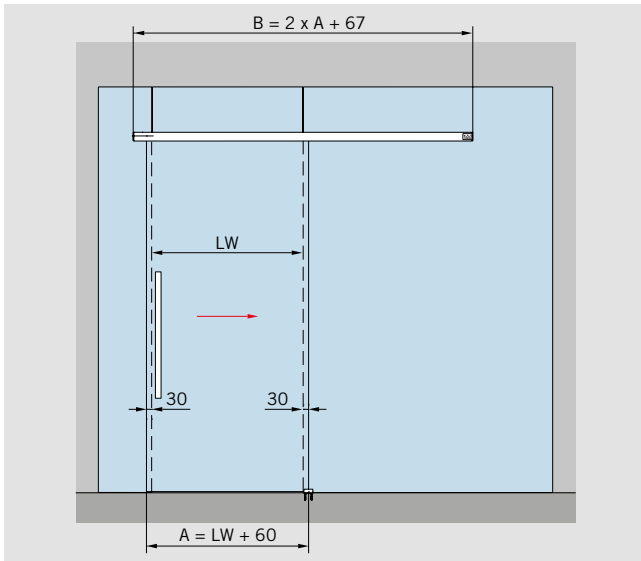
$A = LW / 2 + 27$ mm
 min. 660 mm
 max. 2 x 1,250 mm
 min. 990 mm with DORMOTION
 max. 2 x 1,250 mm

Calculation of glass height

$GH1 = H - 40$ mm
 $GH2 = H - 51$ mm
 max. 3,000 mm

- | | |
|---------------------------------|-----------------------------------|
| A = Glass width | LH = Clear opening height |
| B = Length of track | LW = Clear opening width |
| GH1 = Glass height sliding door | t1 = Glass thickness sliding door |
| GH2 = Glass height sidelight | t2 = Glass thickness sidelight |
| H = Total height | Y = 71 mm – 17 mm – t1 |

TYPICAL ASSEMBLIES FIXED AT GLASS

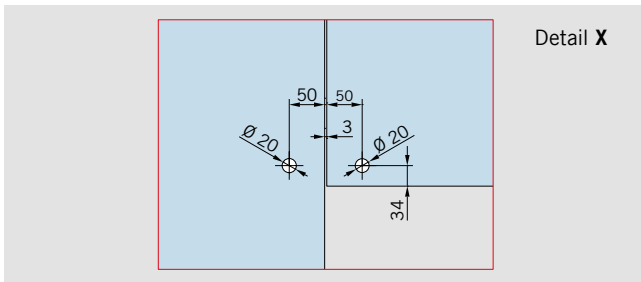


The total quantity of drillings (AB) depends on clear opening width (LW) and determines the final drilling distance (BA).

Calculation sample (LW = 700):
 $BA = 2 \times (700 - 106) / 4 = 297,0 \text{ mm}$

	T	AB
$600 \leq LW \leq 800$	4	8
$801 < LW \leq 1000$	6	10
$1001 < LW \leq 1200$	8	12
$1201 < LW \leq 1500$	10	14
$1501 < LW \leq 2000$	12	16

Glass preparation



Features and data

For installation with one or two door panels fixed at wall; for 8 – 13.5 mm glass thickness

Max. weight of door panels
80 kg

Calculation of glass height

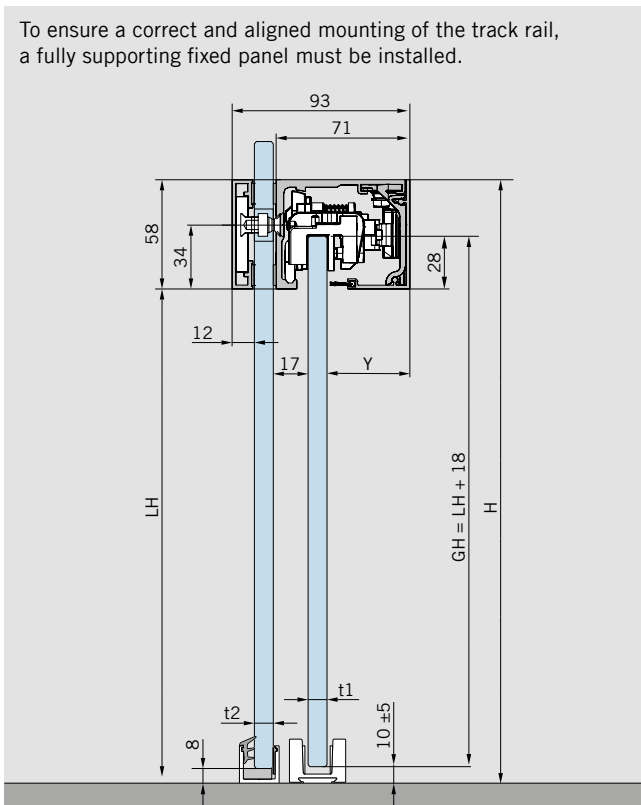
$GH = LH + 18 \text{ mm}$
max. 3,000 mm

Calculation of glass width

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

Fixed at glass

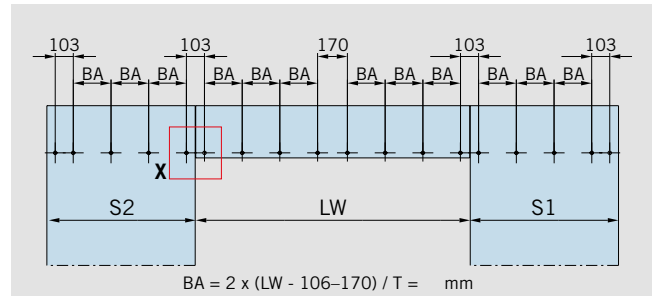
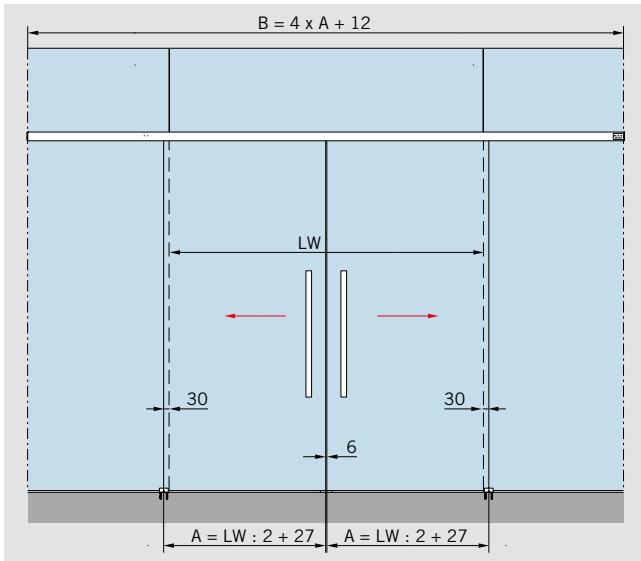
To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.



L 80	
min. glass width without DORMOTION	660 mm
min. clear opening width without DORMOTION	600 mm
min. glass width with DORMOTION	990 mm
min. clear opening width with DORMOTION	930 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
- GH = Glass height
- 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

TYPICAL ASSEMBLIES WITH TWO DOOR PANELS FIXED AT GLASS



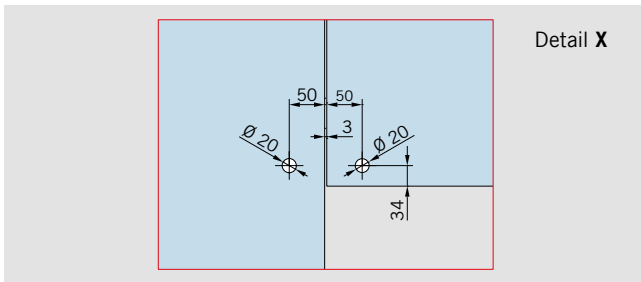
$$BA = 2 \times (LW - 106 - 170) / T = \text{ mm}$$

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

	T	AB
1200 < LW ≤ 1500	8	14
1501 < LW ≤ 2000	12	18
2001 < LW ≤ 2900	16	22

Calculation sample (LW = 1,400):
 $BA = 2 \times (1,400 - 106 - 170) / 8 = 281 \text{ mm}$

Glass preparation



Features and data

For installation with two panel fixed at glass;
 for 8 – 13.5 mm glass thickness

Calculation of glass height

GH = LH + 18 mm
 max. 3,000 mm

Calculation of glass width

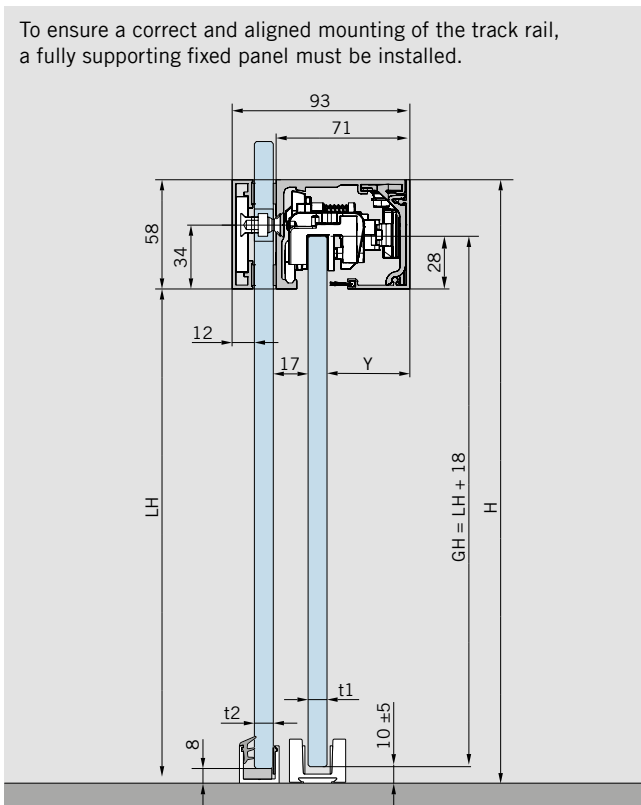
A = LW / 2 + 27 mm

Max. weight of door panels

80 kg

Fixed at glass

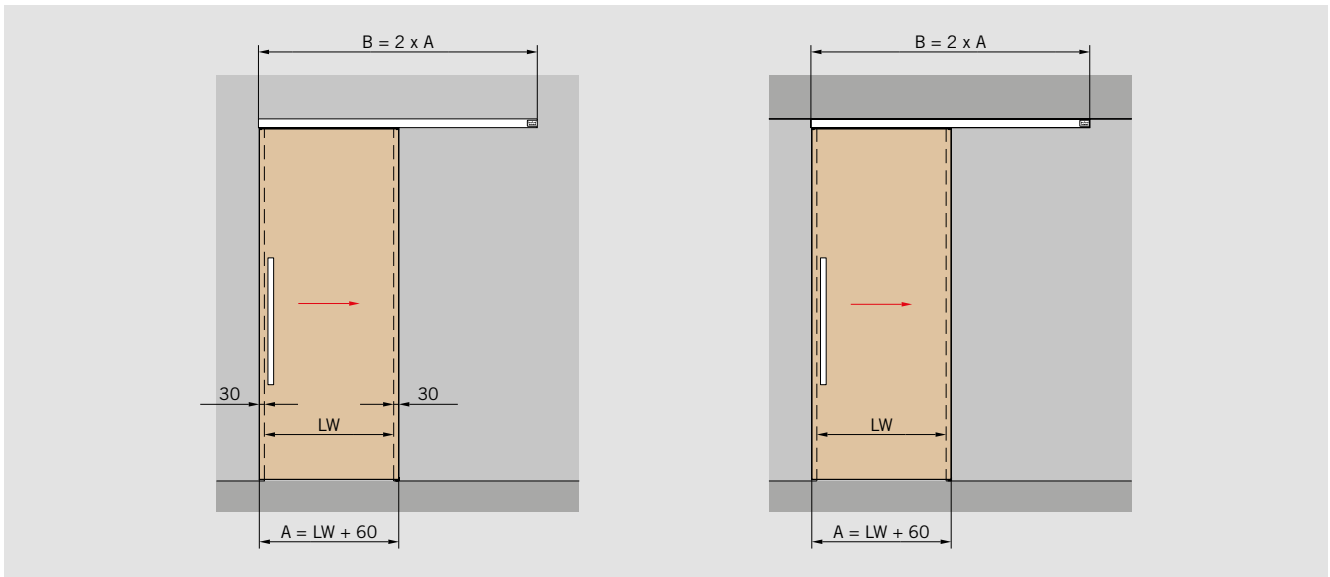
To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.



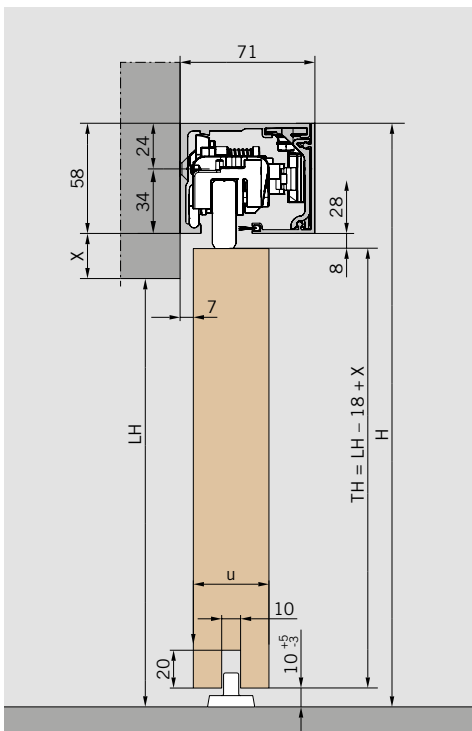
L 80	
min. glass width without DORMOTION	660 mm
min. clear opening width without DORMOTION	1,270 mm
min. glass width with DORMOTION	990 mm
min. clear opening width with DORMOTION	1,930 mm
max. Glass width	1,250 mm
max. Clear opening width	2,450 mm

- 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
- GH = Glass height
- 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

TYPICAL ASSEMBLIES FOR TIMBER DOOR



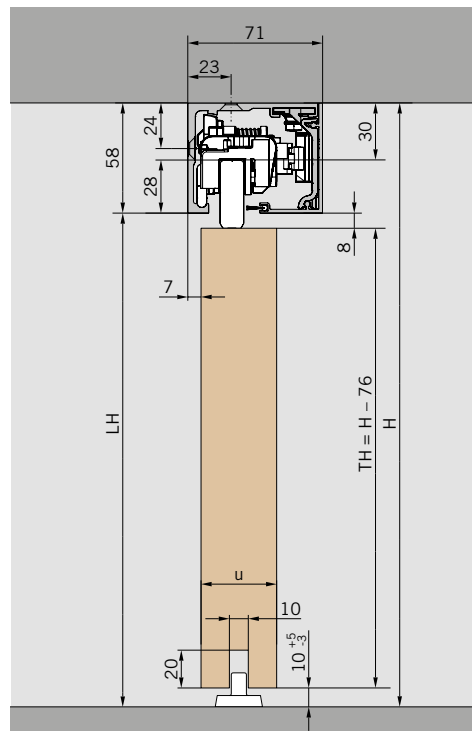
Fixed at wall



Calculation of door height

TH = LH - 18 + X mm
max. 3,000 mm

Fixed at ceiling



Calculation of door height

TH = H - 76 mm
max. 3,000 mm

Features and data

For installation with timber doors;
fixed at wall or ceiling,
for 28 – 50 mm timber elements

Max. weight of door panels

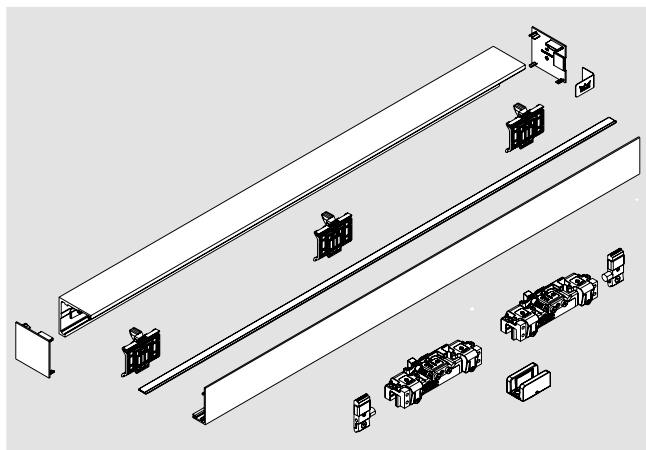
80 kg

Calculation of door width

A = LW + 60 mm
min. 660 mm
max. 2,000 mm
min. 990 mm with DORMOTION
max. 2,000 mm with DORMOTION

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

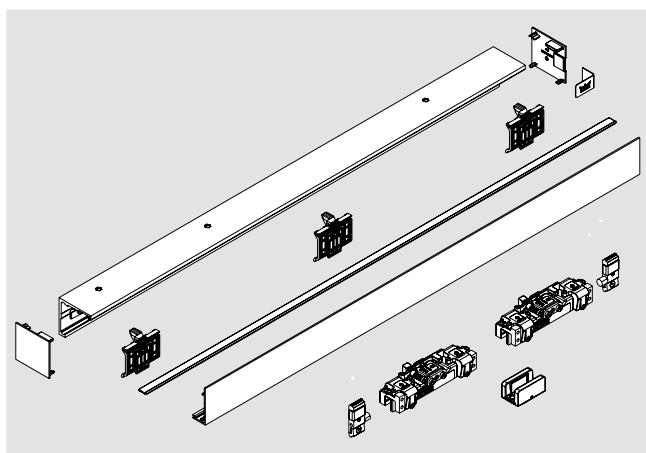
FITTING MODULES – SELECTED CLEAR OPENING WIDTH



MUTO Comfort L 80
Set for wall installation
incl. track profile, cover profile
and brushes,
accessory set, end caps

Panel width	Profile length	Art. No.
1,100	2,180	36.300
1,450	2,880	36.301

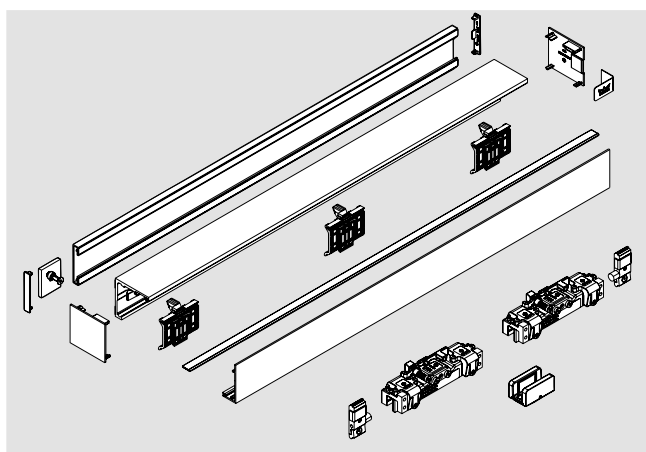
for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Comfort L 80
Set for ceiling installation
incl. track profile, cover profile
and brushes,
accessory set, end caps

Panel width	Profile length	Art. No.
1,100	2,180	36.302
1,450	2,880	36.303

for 8 – 13.5 mm glass thickness,
max. 80 kg

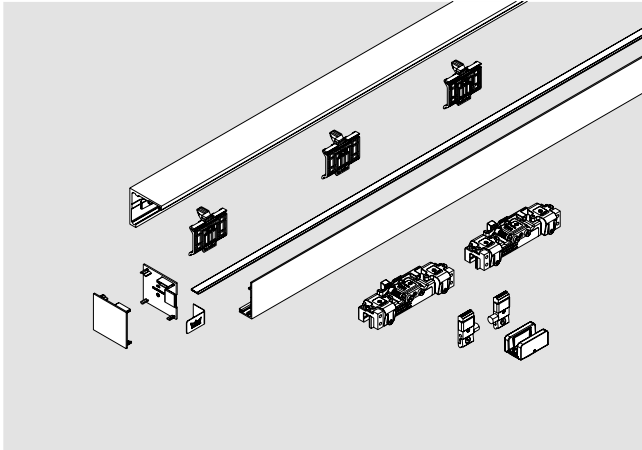


MUTO Comfort L 80
Set for glass installation
incl. track profile, cover profile
and brushes,
counter profile, accessory set,
end caps

Clear opening width	Panel width	Profile length	Art. No.
1,050	1,110	2,287	36.304
1,250	1,310	2,687	36.305

for 8 – 13.5 mm glass thickness,
max. 80 kg

FITTING MODULES – FOR INDIVIDUAL CLEAR OPENING WIDTH



MUTO Comfort L 80

Art. No. 36.320

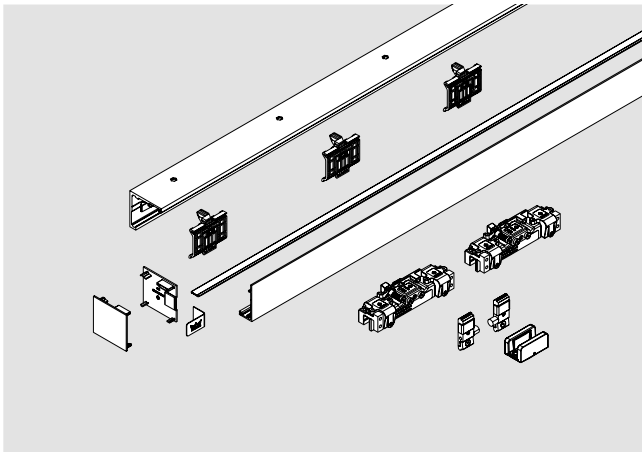
Set for wall installation

Individual profile length

up to max. 3.980 mm

min. glass width 990 mm,
incl. track profile, cover profile
and brushes,
accessory set, end caps

for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Comfort L 80

Art. No. 36.321

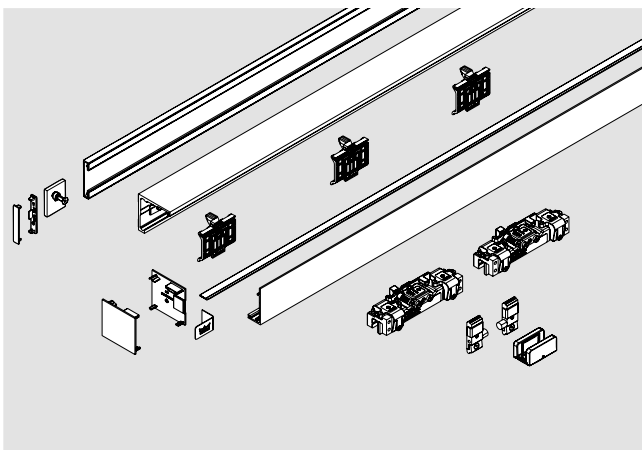
Set for ceiling installation

Individual profile length

up to max. 3.980 mm

min. glass width 990 mm,
incl. track profile, cover profile
and brushes,
accessory set, end caps

for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Comfort L 80

Art. No. 36.322

Set for glass installation

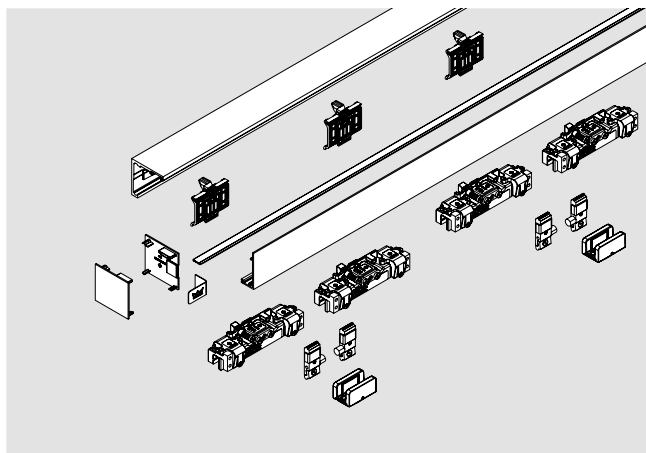
Individual profile length

up to max. 4.067 mm

min. glass width 990 mm,
incl. track profile, cover profile
and brushes,
counter profile, accessory set,
end caps

for 8 – 13.5 mm glass thickness,
max. 80 kg

FITTING MODULES – FOR INDIVIDUAL CLEAR OPENING WIDTH, WITH TWO DOOR PANELS



MUTO Comfort L 80

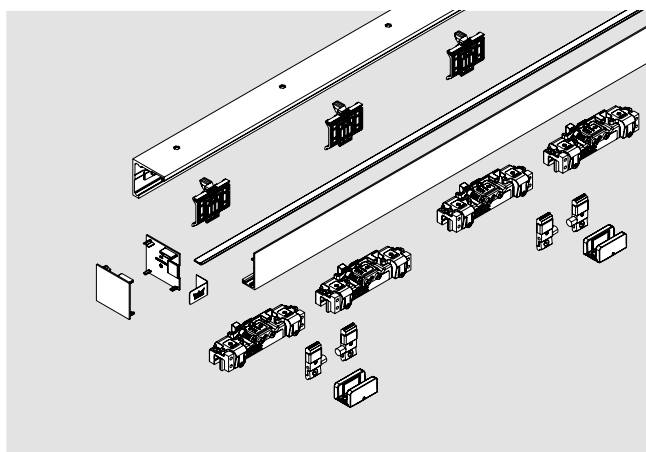
Art. No. 36.323

Set for 2-panel door,
wall installation

**Individual profile length
up to max. 4,956 mm**

min. glass width 990 mm,
incl. track profile, cover profile
and brushes,
accessory sets, end caps

for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Comfort L 80

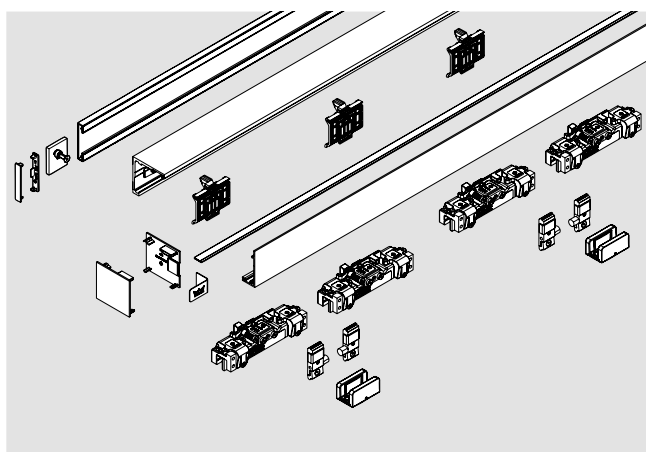
Art. No. 36.324

Set for 2-panel door,
ceiling installation

**Individual profile length
up to max. 4,956 mm**

min. glass width 990 mm,
incl. track profile, cover profile
and brushes,
accessory sets, end caps

for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Comfort L 80

Art. No. 36.325

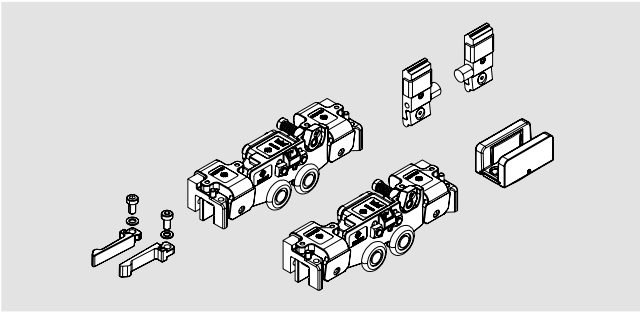
Set for 2-panel door,
glass installation

**Individual profile length
up to max. 5,012 mm**

min. glass width 990 mm,
incl. track profile, cover profile
and brushes, counter profile,
accessory sets, end caps

for 8 – 13.5 mm glass thickness,
max. 80 kg

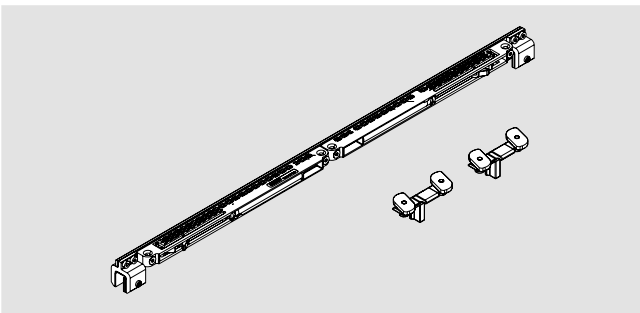
COMPONENT PARTS



MUTO Comfort L 80 Accessory set

Art. No. 36.359

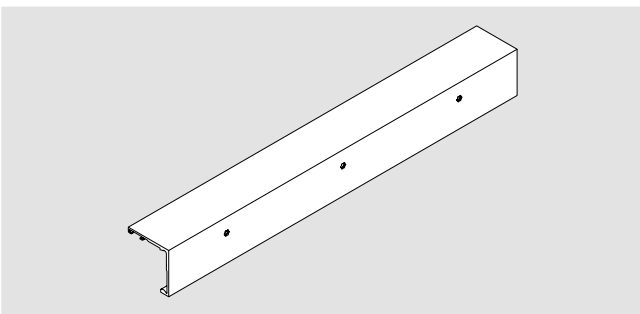
Consisting of:
2 Clamp carriers
2 Endstops
1 Floor guide



MUTO Comfort L 80 DORMOTION unit for max. 80 kg, incl. starter

Art. No. 36.355

optional



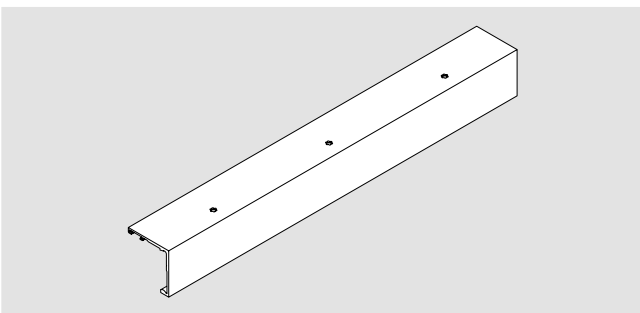
MUTO Comfort L 80 Track rail for wall installation

stock length 6,000 mm

Art. No. 36.350

fixed length

Art. No. 36.351



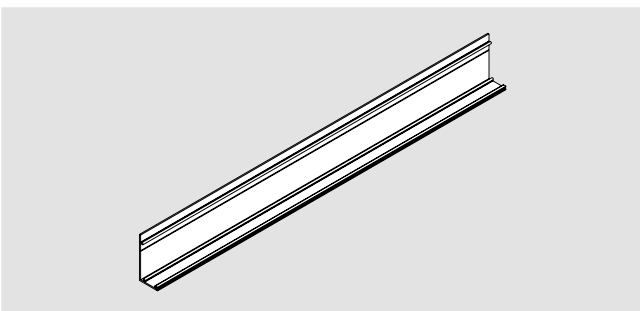
MUTO Comfort L 80 Track rail for ceiling installation

stock length 6,000 mm

Art. No. 36.352

fixed length

Art. No. 36.353



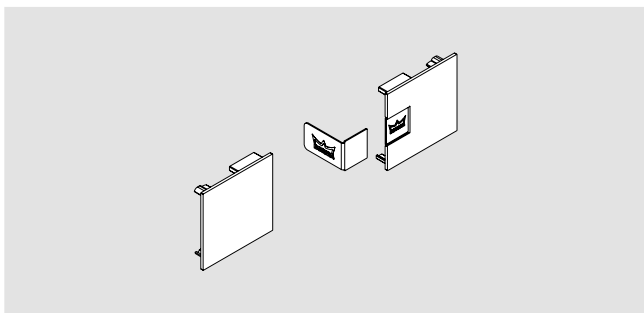
MUTO Comfort L 80 Cover profile

stock length 6,000 mm

Art. No. 36.359

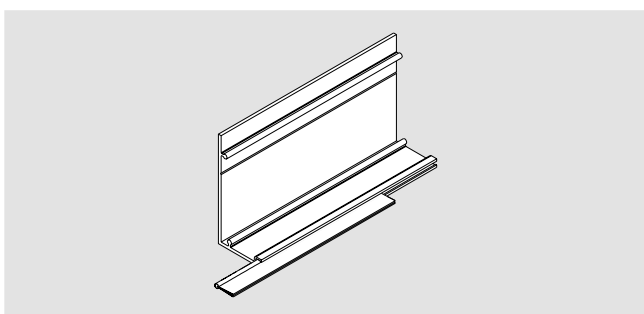
fixed length

Art. No. 36.360



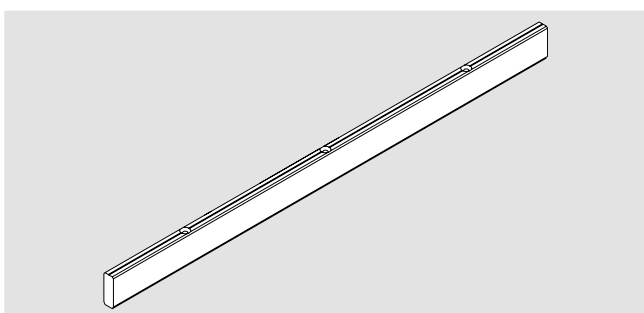
MUTO Comfort L 80
Set endcaps
 for wall and ceiling installation

Art. No. 36.354



MUTO
Brush profile set
 for Comfort M, L
 and Premium XL
 Consisting of:
 1 Brush profile
 8 – 10 mm glass
 1 brush profile
 12 – 13.5 mm glass

Art. No. 36.265



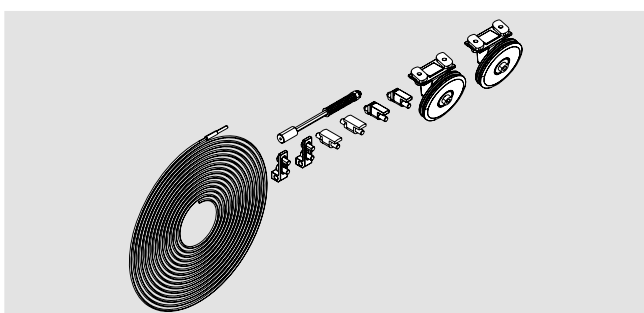
MUTO Comfort L 80
Timber adapter set
 Profil 12.5 x 36 mm,
 incl. Accessories
 (with timber floor guide)

1,460 mm

Art. No. 36.261

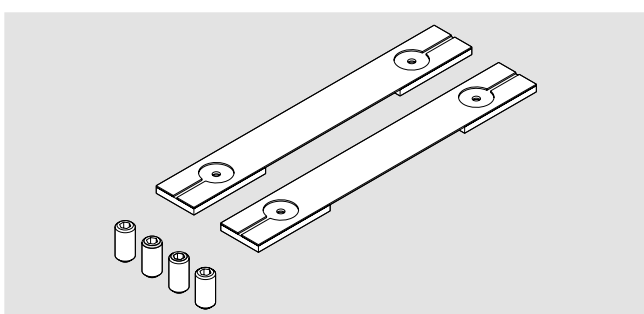
fixed length

Art. No. 36.262



MUTO Comfort L 80
Synchro set
 Consisting of:
 1 Wire
 2 Pulley

Art. No. 36.357
 optional

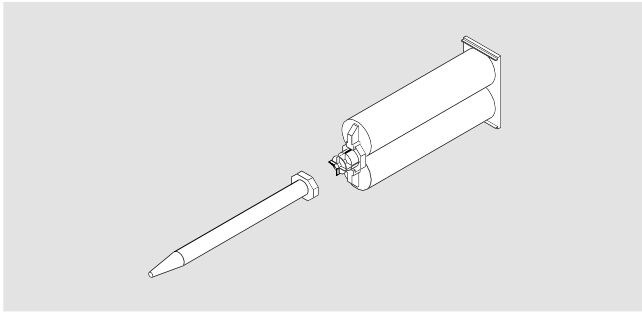


MUTO Comfort L 80
LSG-Set
 Accessory set for use with LSG
 for one pair of clamp carrier

Art. No. 36.270

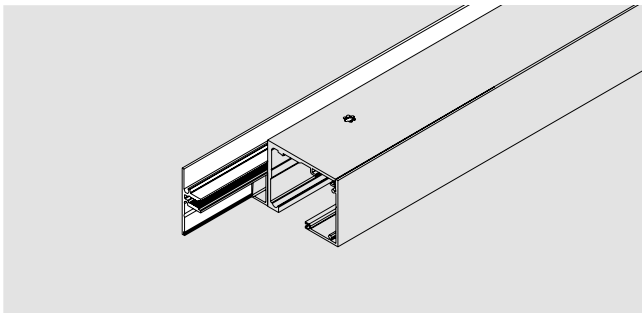
Consisting of:
 2 Gaskets
 4 Injector screw

Please order the LSG glue
 07.631 separately



**Special adhesive
for use with LSG**

Art. No. 07.631



**MUTO Comfort L 80
Side panelprofil**
58 mm high,
with Gaskets,
for 8 – 13.5 mm glass

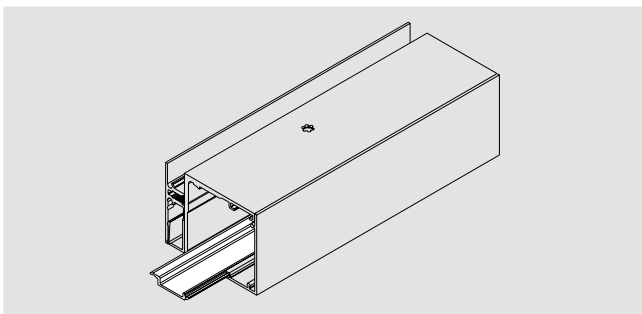
When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).

stock length 6,000 mm

Art. No. 36.271

fixed length

Art. No. 36.274



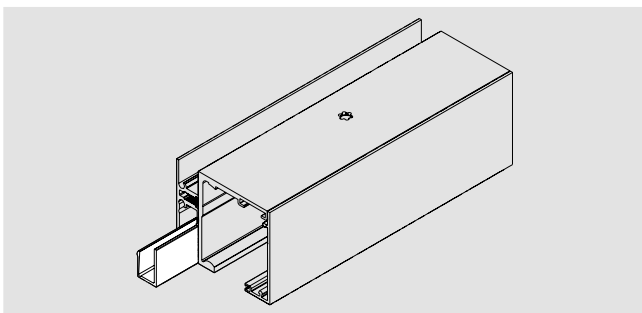
**MUTO
Filling profile**
for Comfort L, Premium XL
and Self-Closing,
for side panel profile

stock length 6,000 mm

Art. No. 36.800

fixed length

Art. No. 36.801



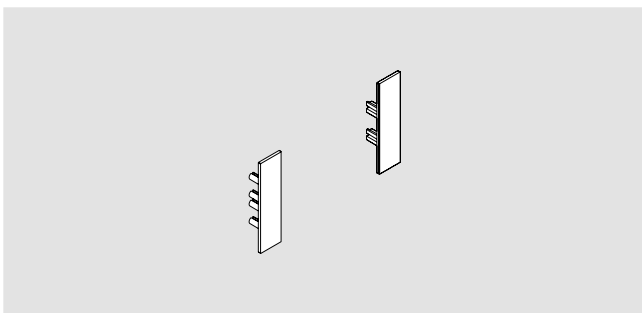
**MUTO
Filling profile**
for Comfort L, Premium XL
and Self-Closing,

stock length 6,000 mm

Art. No. 36.802

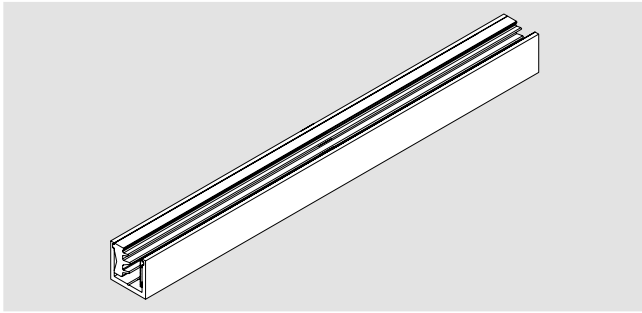
fixed length

Art. No. 36.803



**MUTO Comfort L 80
End caps**
for side panel profile,
58 mm high
each 2 mm width (When
installing between two walls,
please give particular attention
to it.)

Art. No. 36.273



MUTO

Floor profile

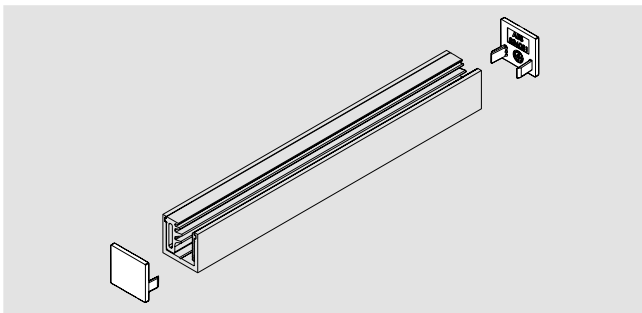
for Comfort L and Premium XL,
for fixing side panel,
with Gaskets,
for 8 – 13.5 mm glass

stock length 6,000 mm

Art. No. 36.810

fixed length

Art. No. 36.811

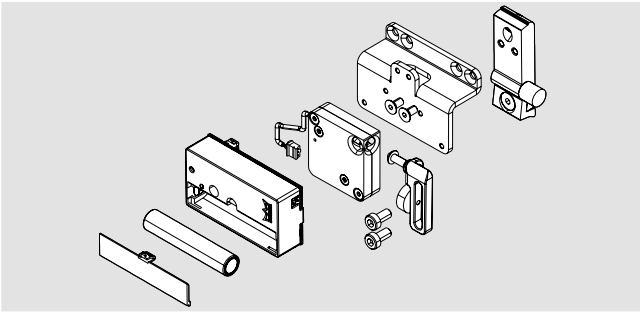


MUTO

End caps (2 pieces)

for Comfort L and Premium XL,
for Floor profile,
for fixing side panel

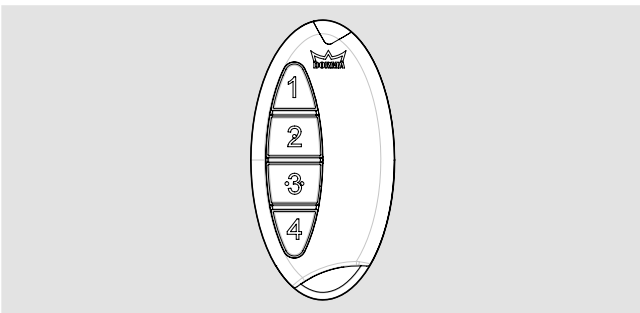
Art. No. 36.812

**MUTO****Art. No. 36.842****Integrated locking device**

for Comfort L, Premium XL
and Self-Closing,

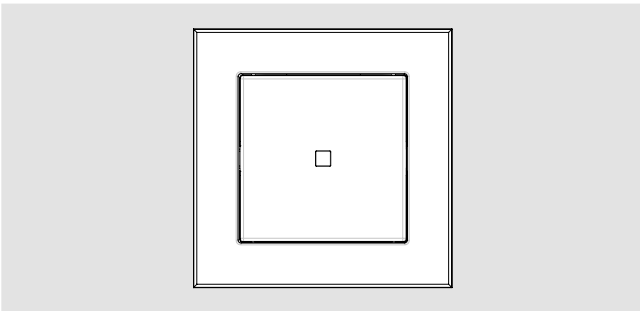
not suitable as a security barrier
Consisting of:

- 1 Adapter for track reception
- 1 Lock reception
- 1 Locking device
- 1 Frame system L & frame system XL
- 1 Battery

**MUTO****Art. No. 36.848****Radio remote control**

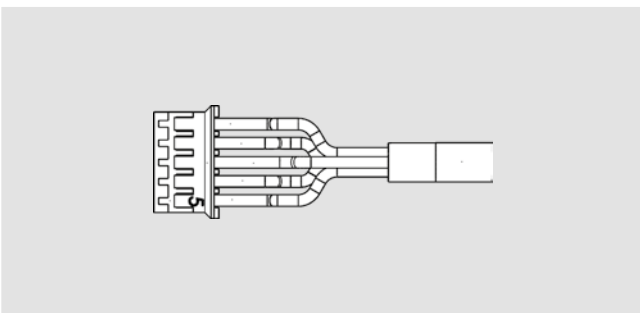
for Comfort L, Premium XL
and Self-Closing,

- 1 Radio remote control
- 1 Battery

**MUTO****Art. No. 36.849****Wall switch with radio remote control**

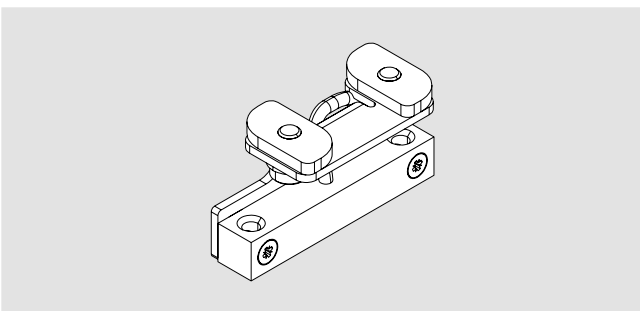
for Comfort L, Premium XL
and Self-Closing,

- 1 Wall switch
- 1 Battery

**MUTO****Art. No. 36.855****Locking device**

for Comfort L, Premium XL
and Self-Closing,

- 1 Cable set for connecting the
status indicator in the lock unit

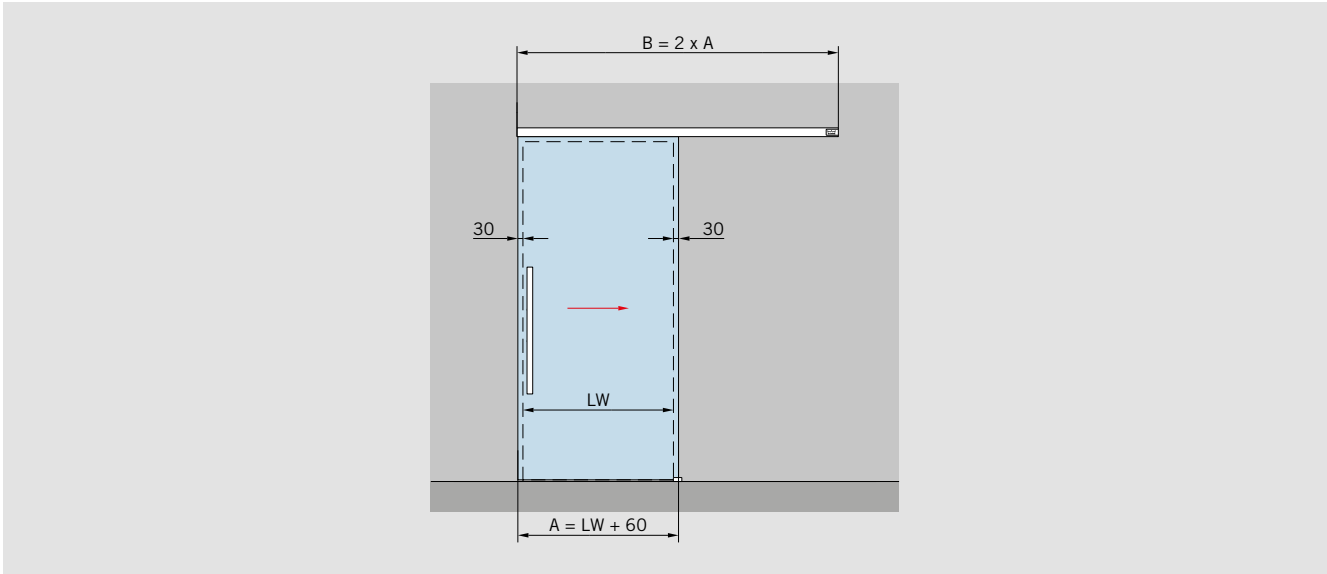
**MUTO****Art. No. 36.840****Locking device set**

for Comfort L and Premium XL
Consisting of:

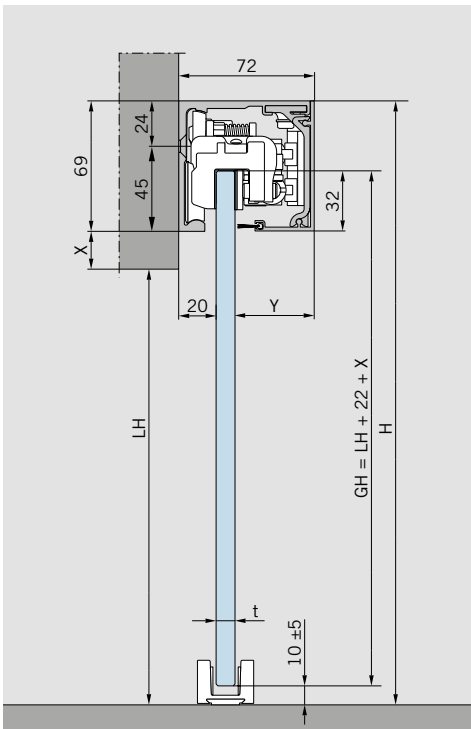
- 1 Sensor
- 1 Adapter for track reception

- 1 Cable

TYPICAL ASSEMBLIES FIXED AT WALL



Fixed at wall



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg
150 kg

Calculation of glass width

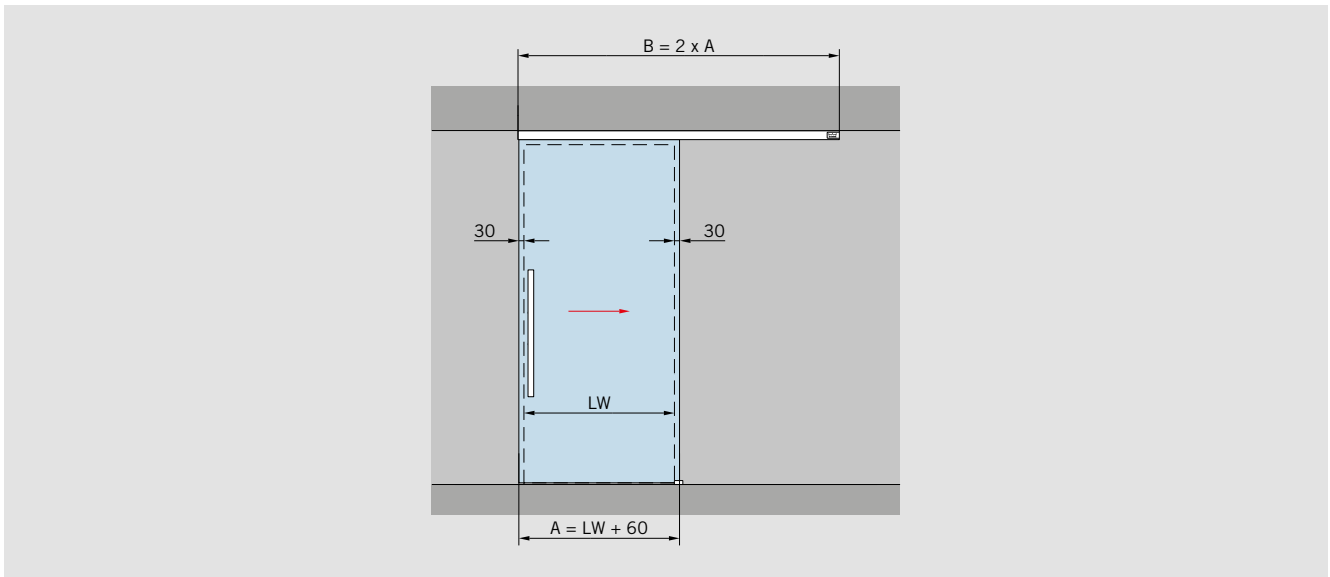
$A = LW + 60$ mm
min. 810 mm
for Premium XL 80
min. 1,020 mm
for Premium XL 150
max. 2,500 mm

Calculation of glass height

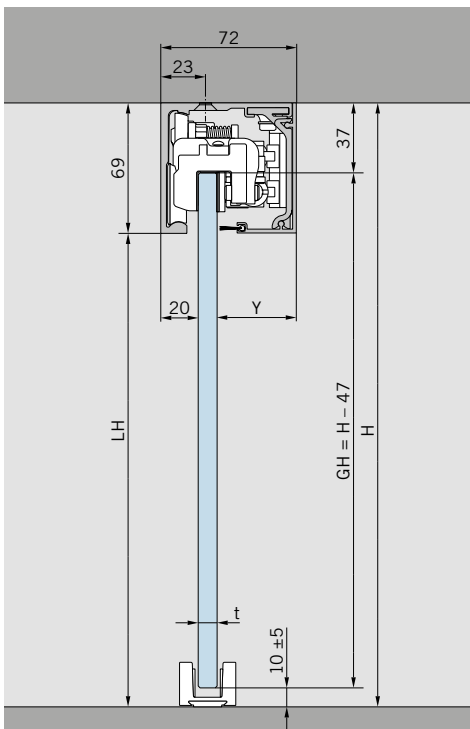
$GH = LH + 22 + X$ mm
max. 3,000 mm

- | | |
|---------------------------|--|
| A = Glass width | t = Glass thickness |
| B = Length of track | Y = 72 mm – 20 mm – t |
| GH = Glass height | X = Freely selectable protrusion
(depending on structural conditions) |
| H = Total height | |
| LH = Clear opening height | |
| LW = Clear opening width | |

TYPICAL ASSEMBLIES FIXED AT CEILING



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg
150 kg

Calculation of glass width

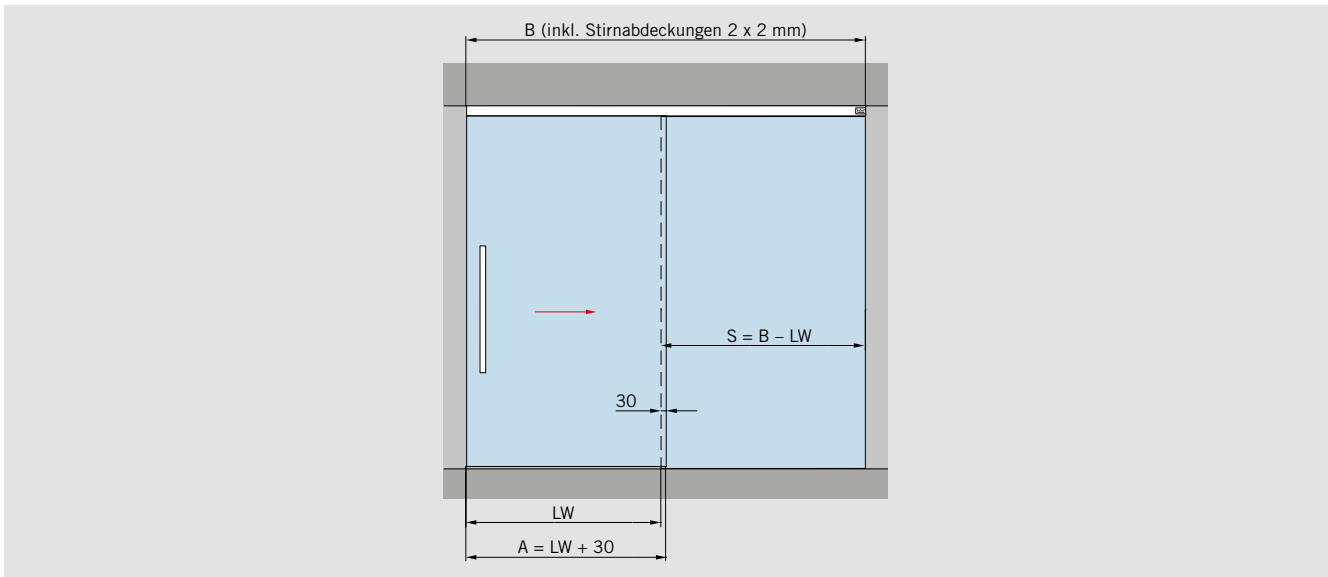
$A = LW + 60$ mm
min. 810 mm
for Premium XL 80
min. 1,020 mm
for Premium XL 150
max. 2,500 mm

Calculation of glass height

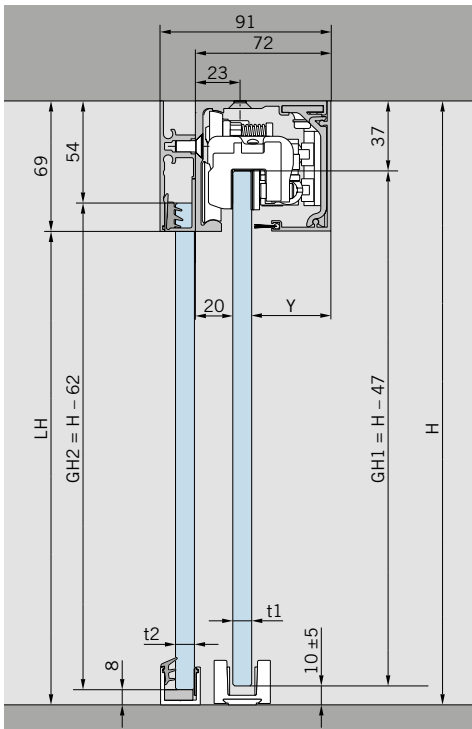
$GH = H - 47$ mm
max. 3,000 mm

- A = Glass width
- B = Length of track
- GH = Glass height
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- t = Glass thickness
- Y = 72 mm – 20 mm – t

TYPICAL ASSEMBLIES WITH SIDE PANEL, ON ONE SIDE



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg
150 kg

Calculation of glass width

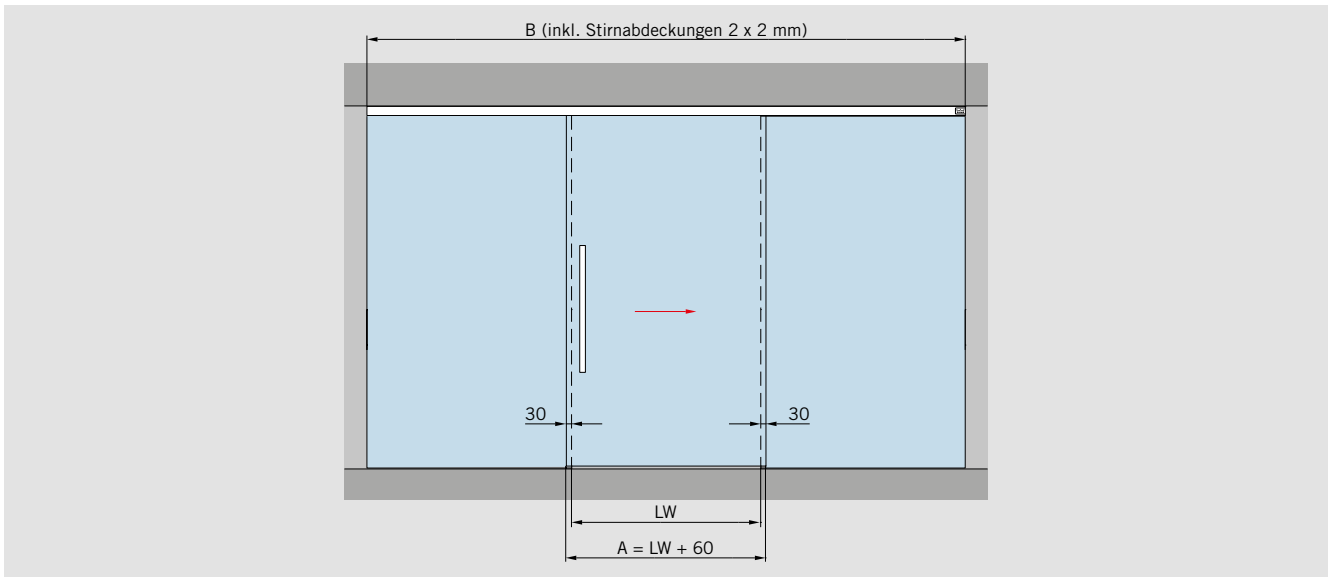
$A = LW + 30 \text{ mm}$
min. 810 mm
for Premium XL 80
min. 1,020 mm
for Premium XL 150
max. 2,500 mm

Calculation of glass height

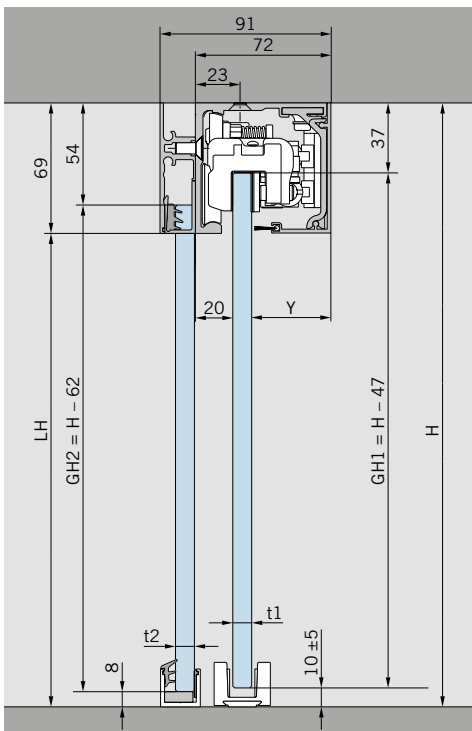
$GH1 = H - 47 \text{ mm}$
 $GH2 = H - 62 \text{ mm}$
max. 3,000 mm

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

TYPICAL ASSEMBLIES WITH SIDE PANEL, ON BOTH SIDES



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg
150 kg

Calculation of glass width

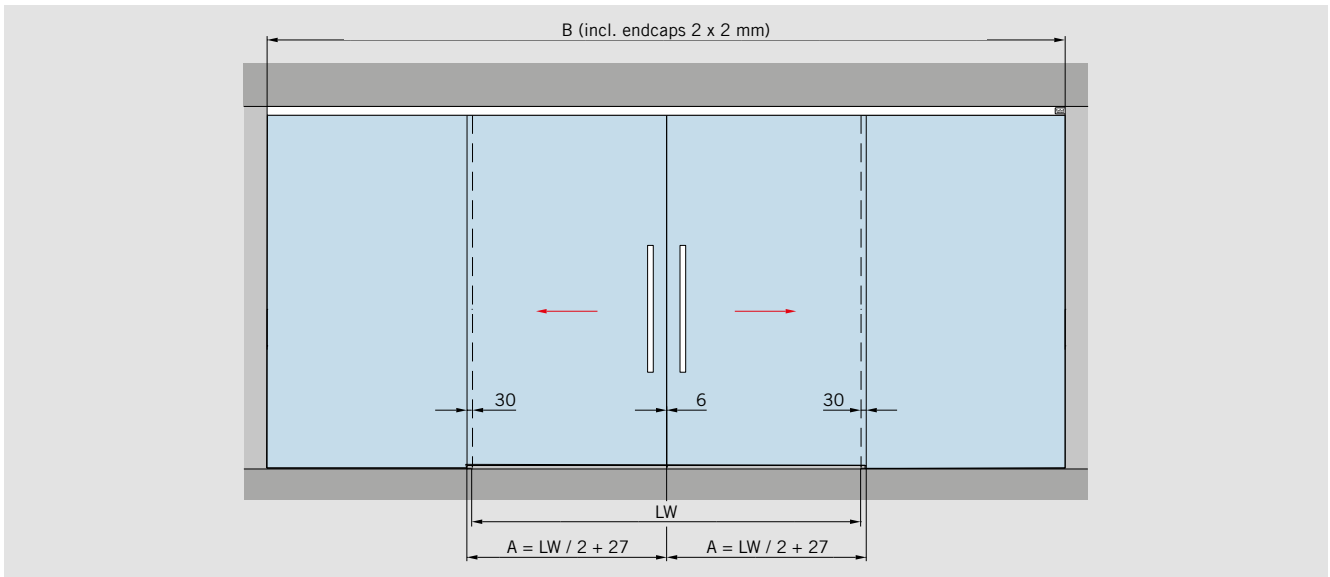
$A = LW + 60 \text{ mm}$
min. 810 mm
for Premium XL 80
min. 1,020 mm
for Premium XL 150
max. 2,500 mm

Calculation of glass height

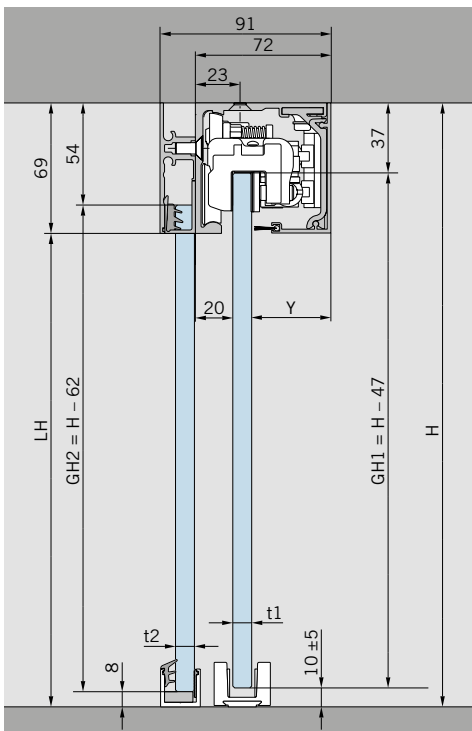
$GH1 = H - 47 \text{ mm}$
 $GH2 = H - 62 \text{ mm}$
max. 3,000 mm

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

TYPICAL ASSEMBLIES WITH TWO DOOR PANELS WITH SIDELIGHTS



Fixed at ceiling



Features and data

For installation with two door panels with sidelights;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg
150 kg

Calculation of glass width

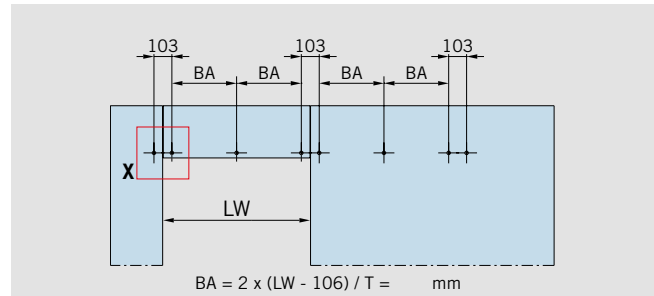
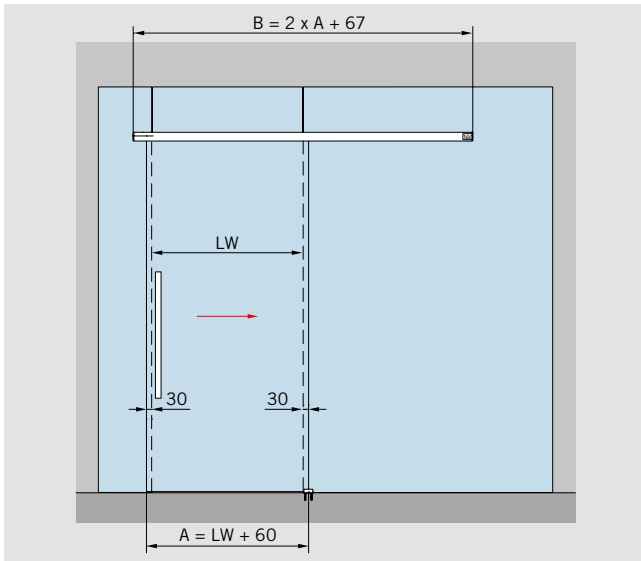
$A = LW / 2 + 27$ mm
min. 810 mm
for Premium XL 80
max. 2 x 1,427 mm
min. 1,020 mm
for Premium XL 150
max. 2 x 1,427 mm

Calculation of glass height

$GH1 = H - 47$ mm
 $GH2 = H - 62$ mm
max. 3,000 mm

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

TYPICAL ASSEMBLIES FIXED AT GLASS

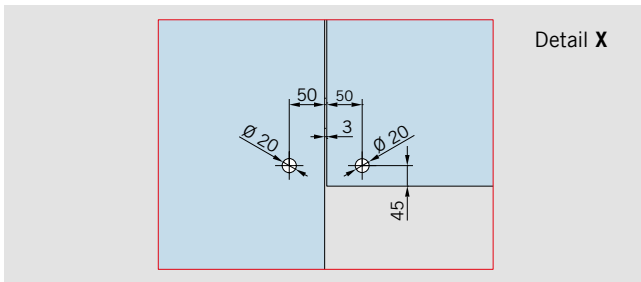


The total quantity of drillings (AB) depends on clear opening width (LW) and determines the final drilling distance (BA).

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

	T	AB
$600 \leq LW \leq 800$	4	8
$801 < LW \leq 1000$	6	10
$1001 < LW \leq 1200$	8	12
$1201 < LW \leq 1500$	10	14
$1501 < LW \leq 2000$	12	16
$2001 < LW \leq 2500$	14	18

Glass preparation



Features and data

For installation with one or two door panels fixed at wall;
 for 8 – 13.5 mm glass thickness

Max. weight of door panels

80 kg
 150 kg

Calculation of glass height

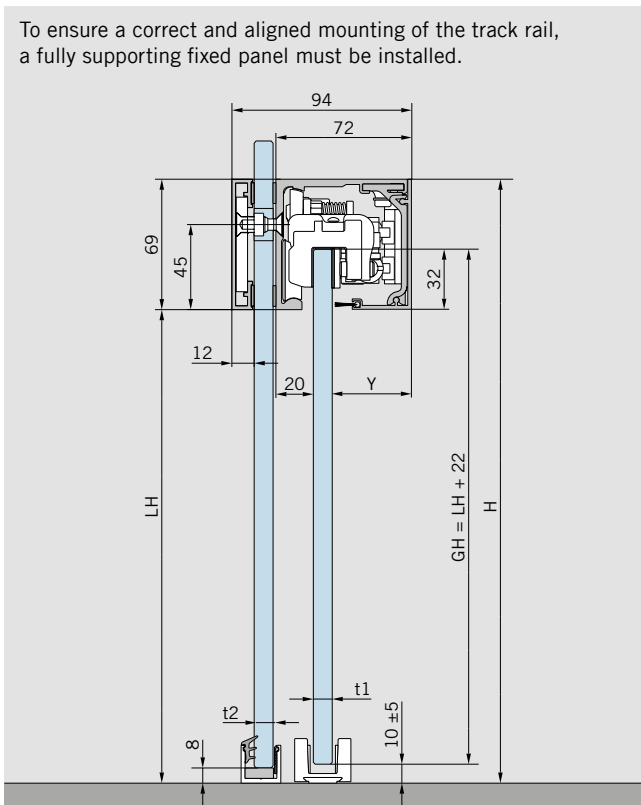
$GH = LH + 22 \text{ mm}$
 max. 3,000 mm

Calculation of glass width

$A = LW + 60 \text{ mm}$
 min. 810 mm
 for Premium XL 80
 min. 1,020 mm
 for Premium XL 150
 max. 2,500 mm

Fixed at glass

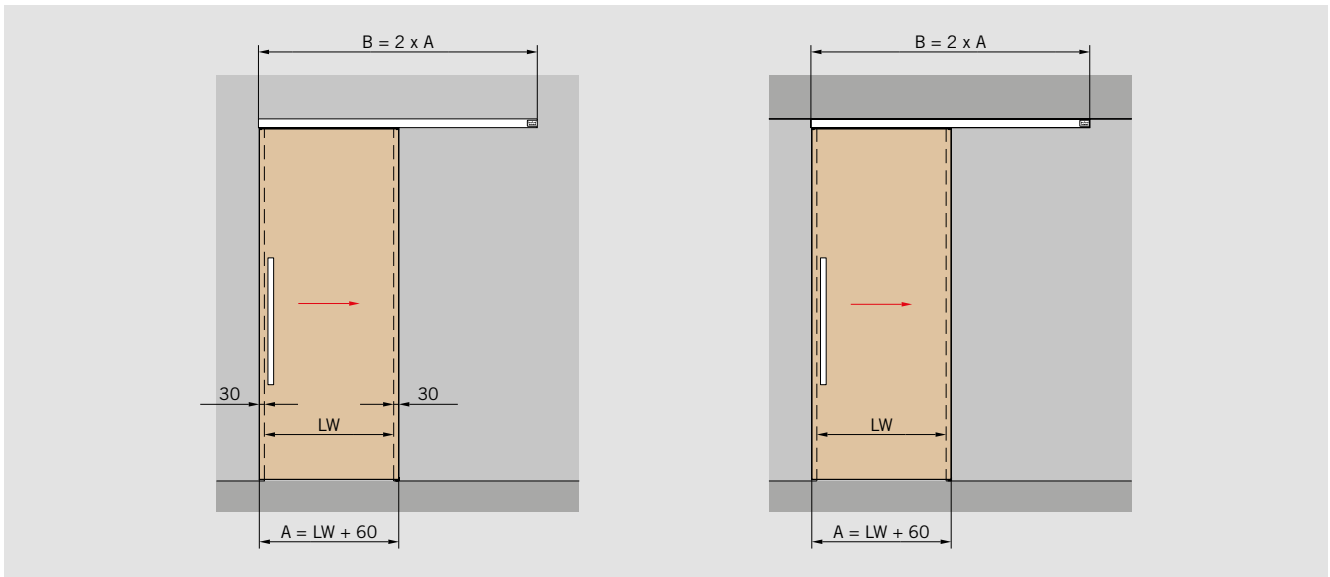
To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.



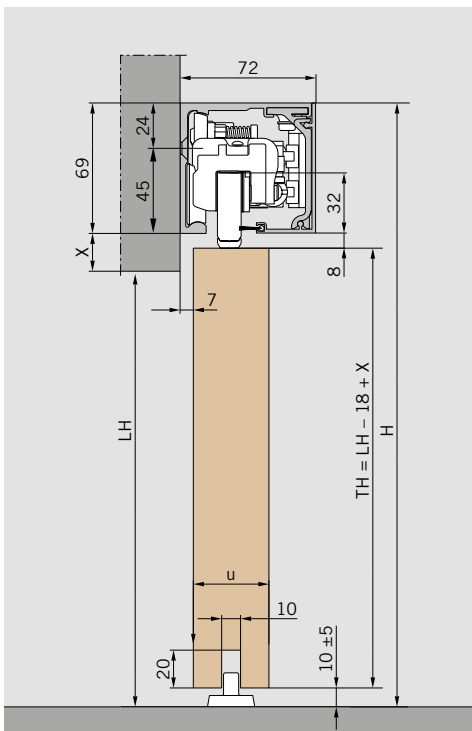
MUTO Premium	XL 80	XL 150
min. glass width without DORMOTION	-	-
min. clear opening width without DORMOTION	-	-
min. glass width with DORMOTION	810 mm	1,020 mm
min. clear opening width with DORMOTION	750 mm	960 mm
max. Glass width	2,500 mm	2,500 mm
max. Clear opening width	2,440 mm	2,440 mm

- 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
- GH = Glass height
- 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

TYPICAL ASSEMBLIES FOR TIMBER DOOR



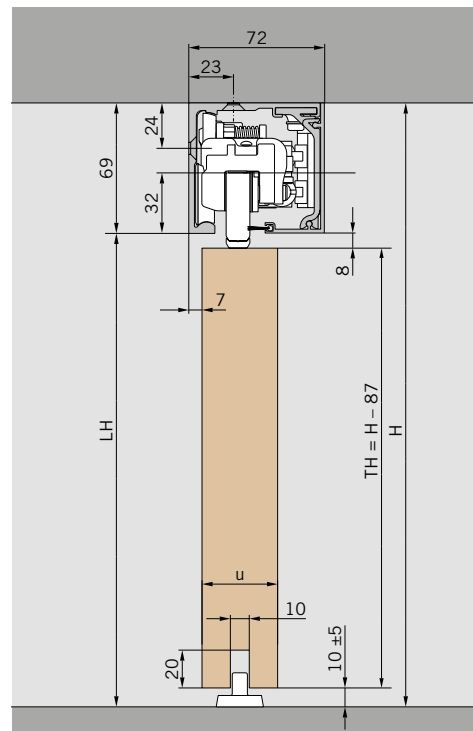
Fixed at wall



Calculation of door height

TH = LH - 18 + X mm
max. 3,000 mm

Fixed at ceiling



Calculation of door height

TH = H - 87 mm
max. 3,000 mm

Features and data

For installation with timber doors;
fixed at wall or ceiling,
for 28 – 50 mm timber elements

Max. weight of door panels

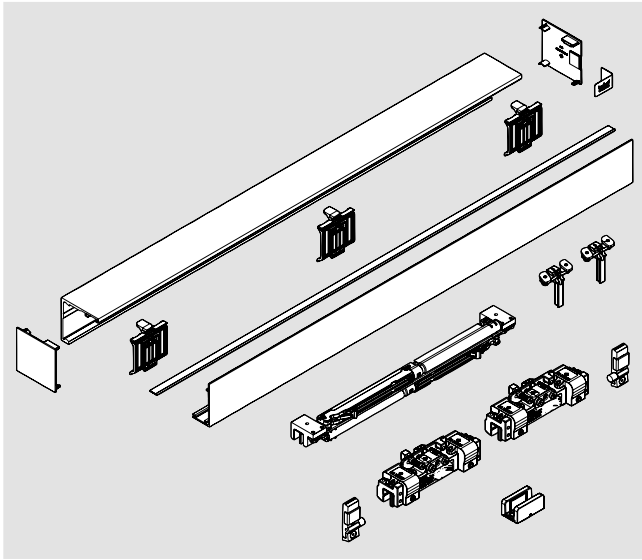
80 kg = XL 80
150 kg = XL 150

Calculation of door width

A = LW + 60 mm
min. 810 mm
for Premium XL 80
min. 1,020 mm
for Premium XL 150
max. 2,500 mm

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

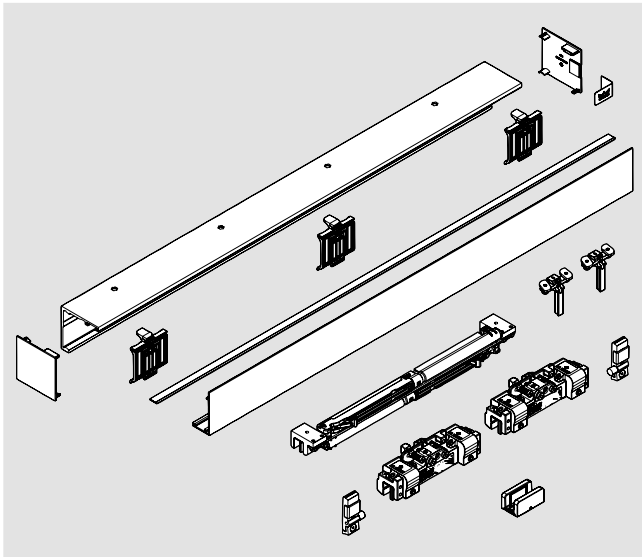
FITTING MODULES – FOR SELECTED CLEAR OPENING WIDTH



MUTO Premium XL 80
 Set for wall installation
 incl. track profile, cover profile
 and brushes,
 DORMOTION unit,
 accessory set, end caps

Panel width	Profile length	Art. No.
900	1,780	36.500
1,200	2,380	36.501

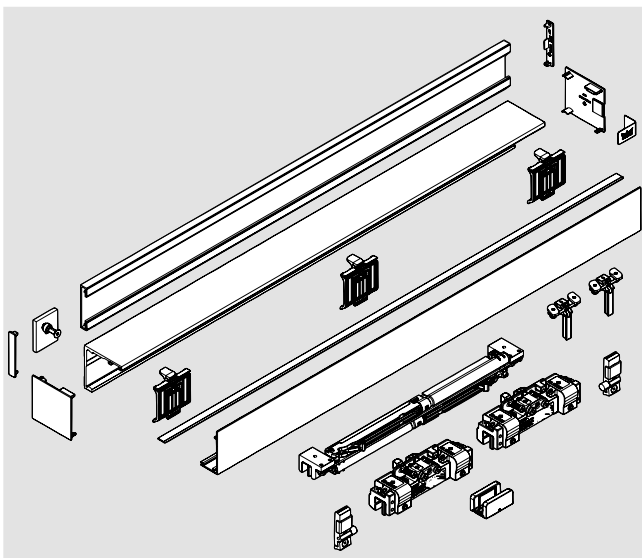
for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Premium XL 80
 Set for ceiling installation
 incl. track profile, cover profile
 and brushes,
 DORMOTION unit,
 accessory set, end caps

Panel width	Profile length	Art. No.
900	1,780	36.503
1,200	2,380	36.504

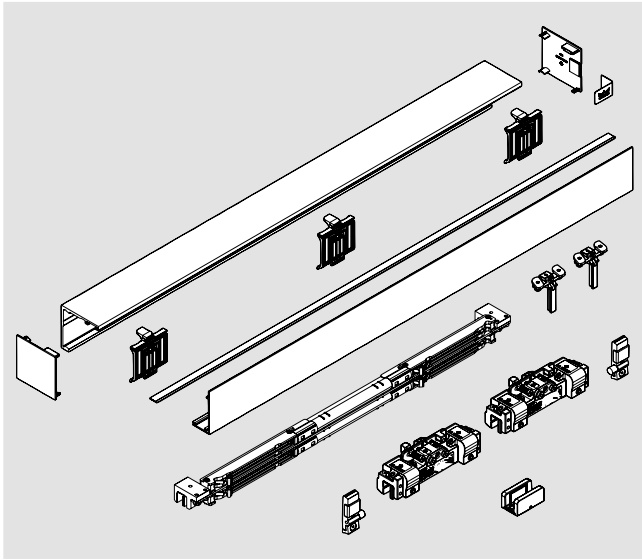
for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Premium XL 80
 Set for glass installation
 incl. track profile, cover profile
 and brushes,
 counter profile, DORMOTION
 unit, accessory set,
 end caps

Clear opening width	Panel width	Profile length	Art. No.
850	910	1,887	36.506
1,050	1,110	2,287	36.507

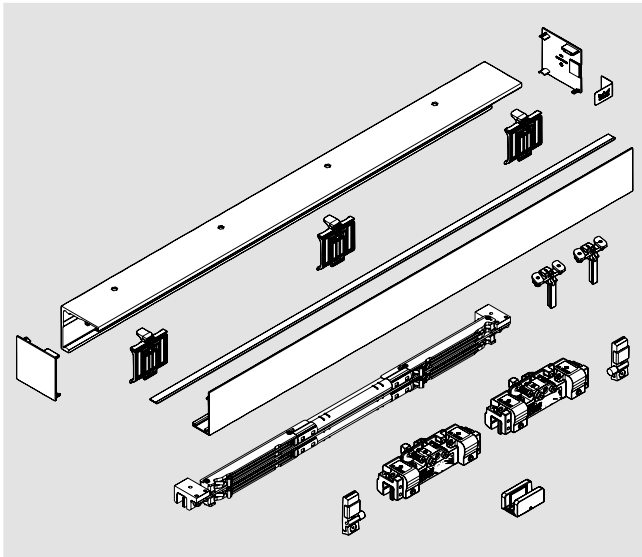
for 8 – 13.5 mm glass thickness,
max. 80 kg



MUTO Premium XL 150
 Set for wall installation
 incl. track profile, cover profile
 and brushes,
 DORMOTION unit,
 accessory set, end caps

Panel width	Profile length	Art. No.
1,250	2,480	36.509
1,450	2,880	36.510

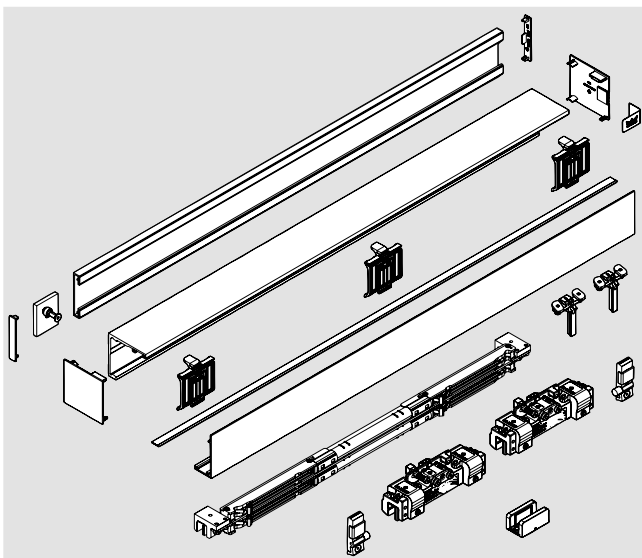
for 8 – 13.5 mm glass thickness,
max. 150 kg



MUTO Premium XL 150
 Set for ceiling installation
 incl. track profile, cover profile
 and brushes,
 DORMOTION unit,
 accessory set, end caps

Panel width	Profile length	Art. No.
1,250	2,480	36.511
1,450	2,880	36.512

for 8 – 13.5 mm glass thickness,
max. 150 kg

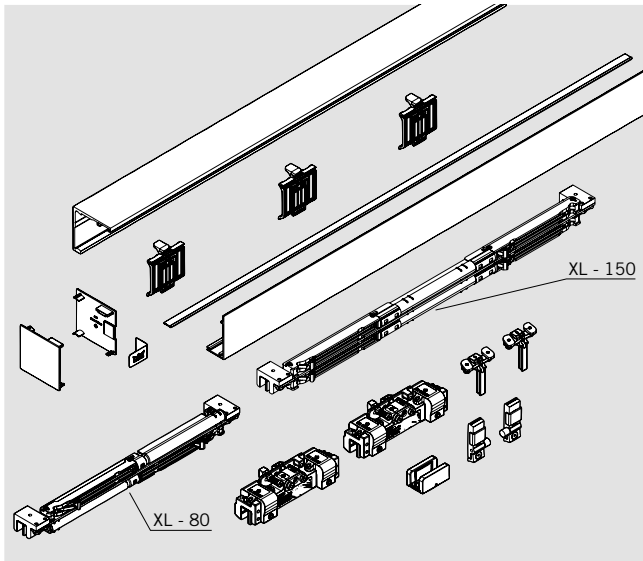


MUTO Premium XL 150
 Set for glass installation
 incl. track profile, cover profile
 and brushes,
 Counter profile, DORMOTION
 unit, accessory set,
 end caps

Clear opening width	Panel width	Profile length	Art. No.
1,250	1,310	2,687	36.513
1,400	1,460	2,987	36.514

for 8 – 13.5 mm glass thickness,
max. 150 kg

FITTING MODULES – FOR INDIVIDUAL CLEAR OPENING WIDTH



MUTO Premium XL 80/150

Set for wall installation

**Individual profile length
up to max. 4.980 mm**

incl. track profile, cover profile
and brushes,
DORMOTION unit,
accessory set, end caps

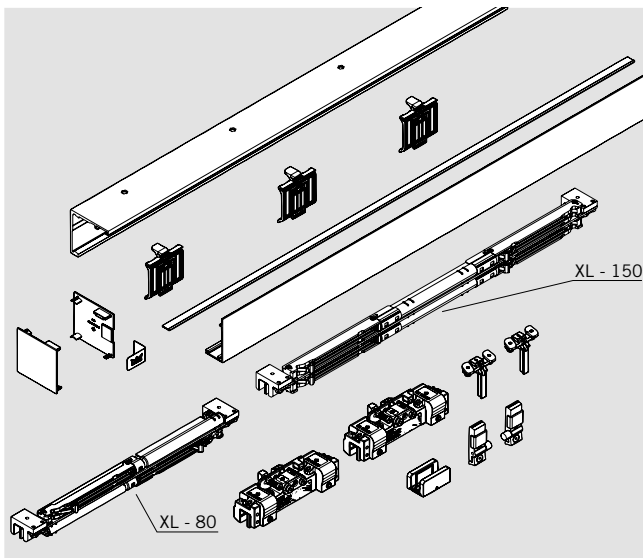
for 8 – 13.5 mm glass thickness

incl. DORMOTION XL – 80
max. 80 kg/min. 810 mm

Art. No. 36.520

incl. DORMOTION XL – 150
max. 150 kg/min. 1,020 mm

Art. No. 36.521



MUTO Premium XL 80/150

Set for ceiling installation

**Individual profile length
up to max. 4.980 mm**

incl. track profile, cover profile
and brushes,
DORMOTION unit,
accessory set, end caps

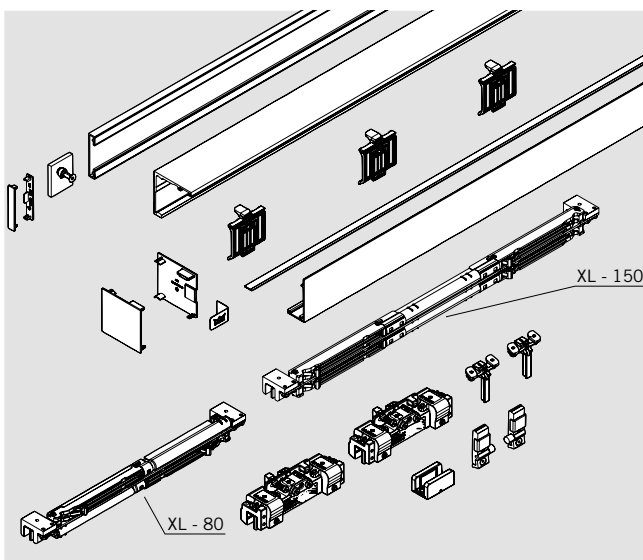
for 8 – 13.5 mm glass thickness

incl. DORMOTION XL – 80
max. 80 kg/min. 810 mm

Art. No. 36.522

incl. DORMOTION XL – 150
max. 150 kg/min. 1,020 mm

Art. No. 36.523



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

for 8 – 13.5 mm glass thickness

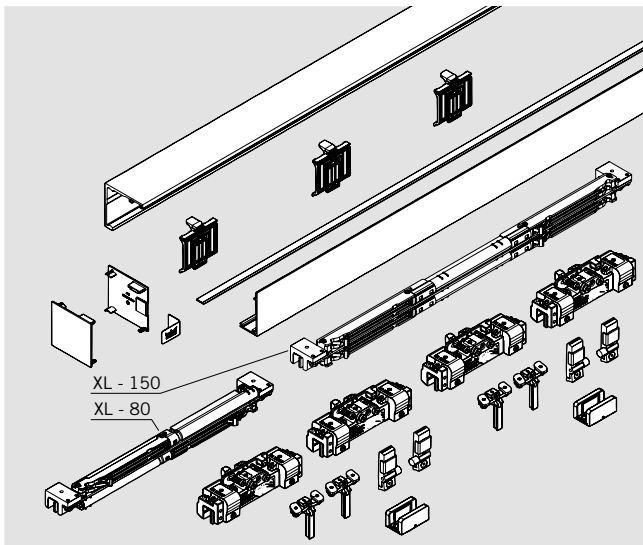
incl. DORMOTION XL – 80
max. 80 kg/min. 810 mm

Art. No. 36.524

incl. DORMOTION XL – 150
max. 150 kg/min. 1,020 mm

Art. No. 36.525

FITTING MODULES – FOR INDIVIDUAL CLEAR OPENING WIDTH, WITH TWO DOOR PANELS



MUTO Premium XL 80/150

Set for wall installation (with two door panels)

Individual profile length up to max. 5.900 mm

incl. track profile, cover profile and brushes, DORMOTION unit, accessory sets, end caps

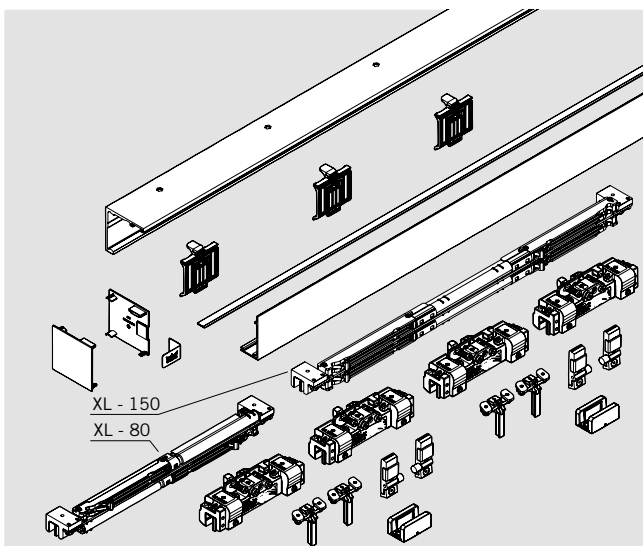
for 8 – 13.5 mm glass thickness

incl. DORMOTION XL – 80
max. 80 kg/min. 810 mm

Art. No. 36.526

incl. DORMOTION XL – 150
max. 150 kg/min. 1,020 mm

Art. No. 36.527



MUTO Premium XL 80/150

Set for ceiling installation (with two door panels)

Individual profile length up to max. 5.900 mm

incl. track profile, cover profile and brushes, DORMOTION unit, accessory sets, end caps

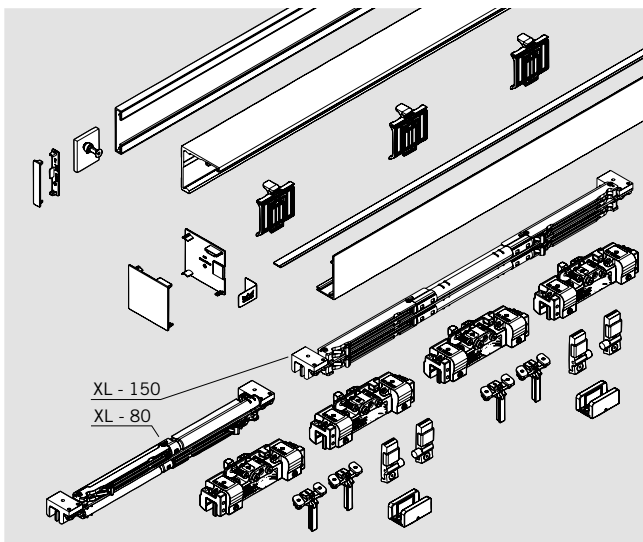
for 8 – 13.5 mm glass thickness

incl. DORMOTION XL – 80
max. 80 kg/min. 810 mm

Art. No. 36.528

incl. DORMOTION XL – 150
max. 150 kg/min. 1,020 mm

Art. No. 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

for 8 – 13.5 mm glass thickness

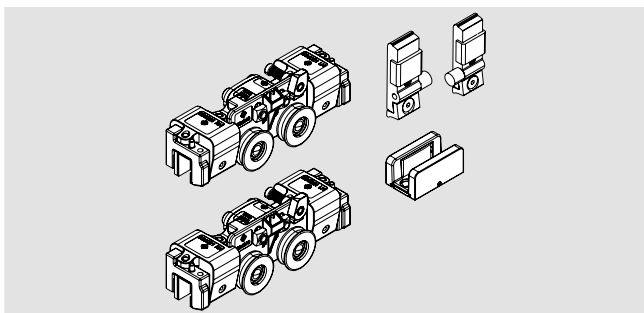
incl. DORMOTION XL – 80
max. 80 kg/min. 810 mm

Art. No. 36.530

incl. DORMOTION XL – 150
max. 150 kg/min. 1,020 mm

Art. No. 36.531

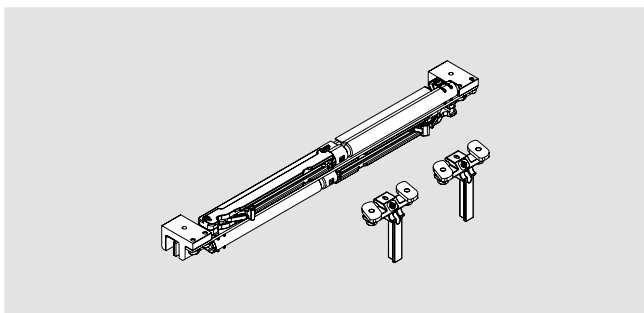
COMPONENT PARTS



**MUTO Premium XL 80/150
Accessory set**

Art. No. 36.550

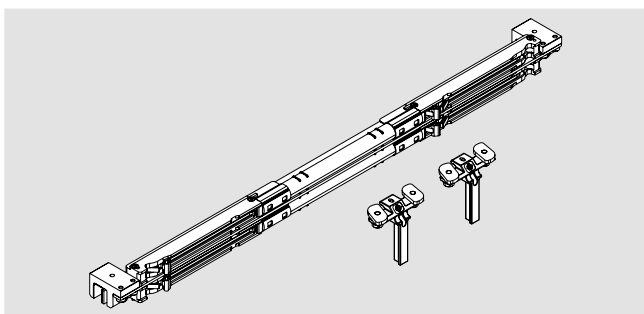
Consisting of:
2 Clamp carriers
2 Endstops
1 Floor guide



**MUTO Premium XL 80
DORMOTION unit**

Art. No. 36.557

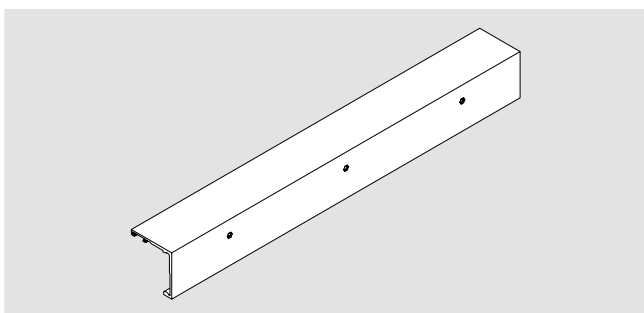
Panel width min. 810 mm
for max. 80 kg,
incl. starter



**MUTO Premium XL 150
DORMOTION unit**

Art. No. 36.558

Panel width min. 1,020 mm
for max. 150 kg,
incl. starter



**MUTO Premium XL 80/150
Track rail DORMOTION**

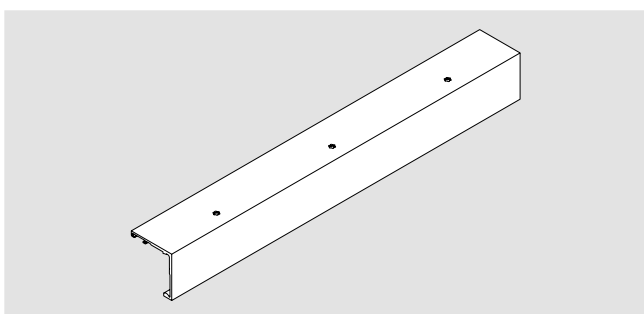
Fixed at wall

stock length 6,000 mm

Art. No. 36.552

fixed length

Art. No. 36.553



**MUTO Premium XL 80/150
Track rail DORMOTION**

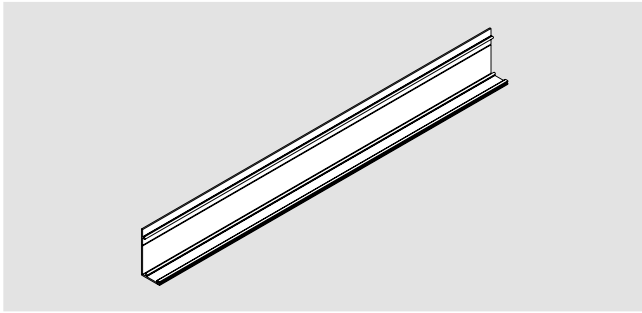
Fixed at ceiling

stock length 6,000 mm

Art. No. 36.554

fixed length

Art. No. 36.555



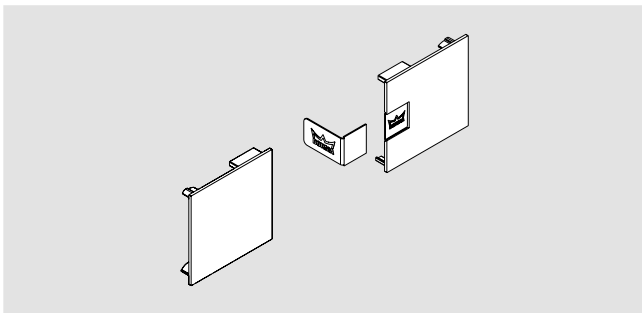
**MUTO Premium XL 80/150
Cover profile**

stock length 6,000 mm

Art. No. 36.566

fixed length

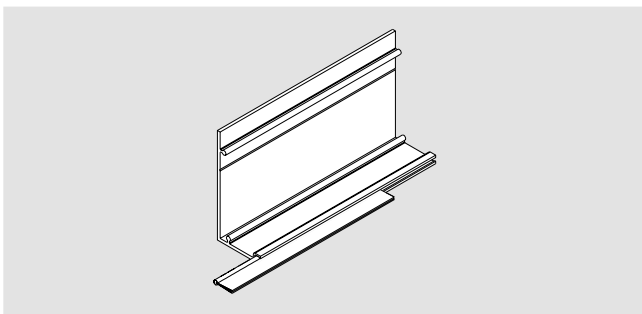
Art. No. 36.567



**MUTO Premium XL 80/150
Set endcaps**

Art. No. 36.556

for wall and ceiling installation



**MUTO
Brush profile set**
for Comfort M, L
and Premium XL

Art. No. 36.265

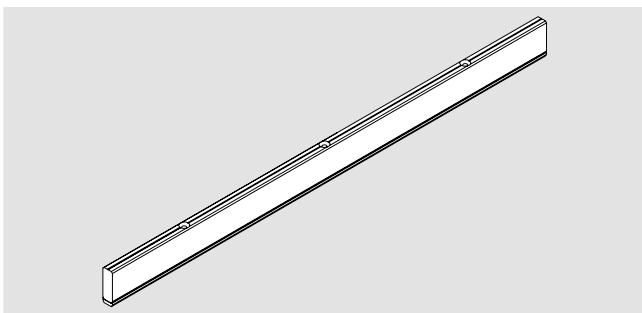
Consisting of:

1 brush profile

8 – 10 mm glass

1 brush profile

12 – 13.5 mm glass



**MUTO Premium XL 80/150
Timber adapter set**

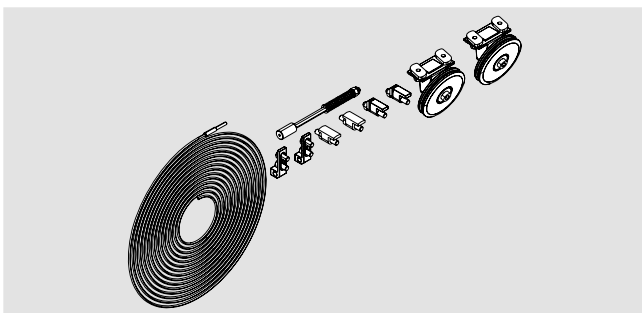
Profile 12.5 x 36 mm
+ 12.5 x 4 mm,
incl. Accessories
(with timber floor guide)

1,460 mm

Art. No. 36.461

fixed length max. 2,500 mm

Art. No. 36.464



**MUTO Premium XL 80/150
Synchro set**

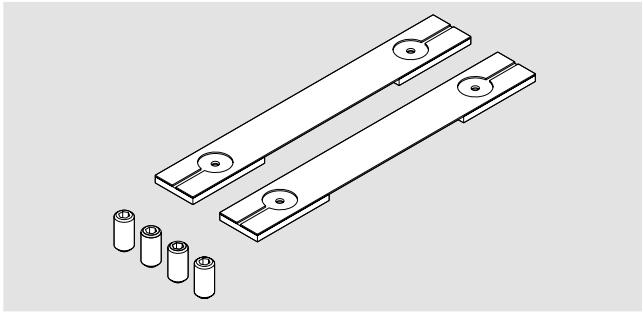
Art. No. 36.560

optional

Consisting of:

1 wire

2 pulley



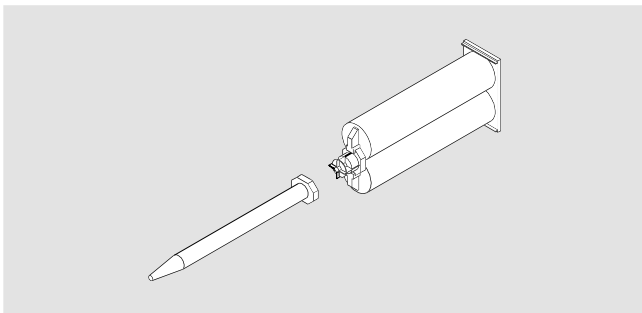
MUTO Premium XL 80/150 LSG-Set

Art. No. 36.468

Accessory set for use with LSG for one pair of clamp carrier

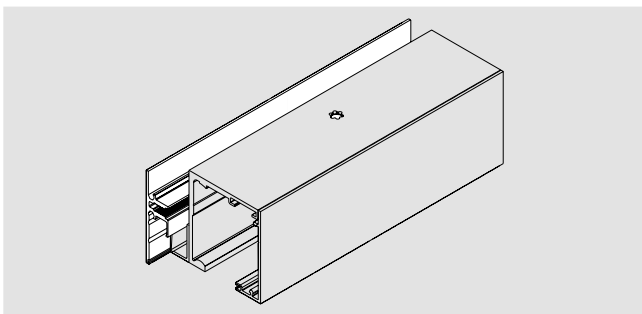
Consisting of:
2 Gaskets
4 injector screw

Please order the LSG glue 07.631 separately



Special adhesive for use with LSG

Art. No. 07.631



MUTO Premium XL 80/150 Side panelprofil

69 mm hight, with Gaskets, for 8 – 13.5 mm glass

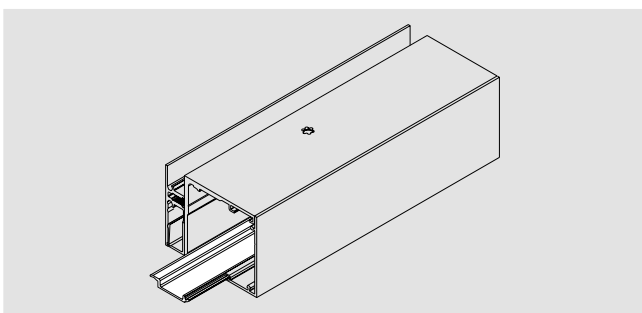
When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).

stock length 6,000 mm

Art. No. 36.469

fixed length

Art. No. 36.474



MUTO Filling profile

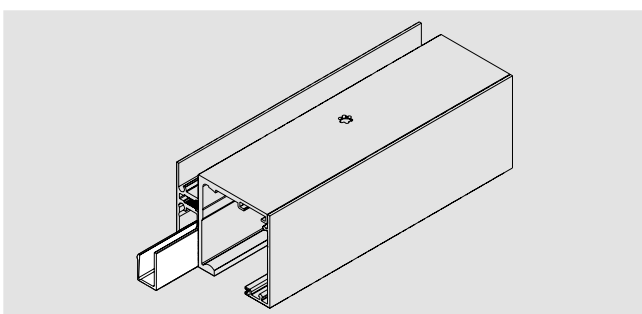
for Comfort L, Premium XL and Self-Closing,, for side panel profile

stock length 6,000 mm

Art. No. 36.800

fixed length

Art. No. 36.801



MUTO Filling profile

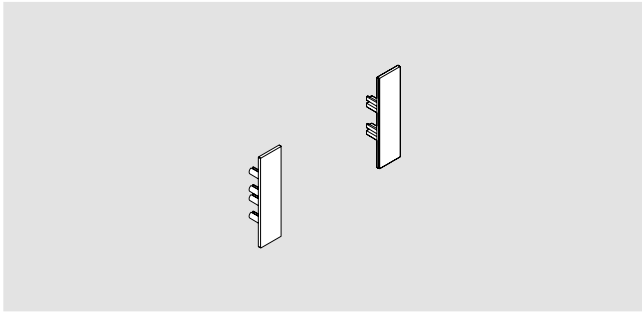
for Comfort L, Premium XL and Self-Closing,

stock length 6,000 mm

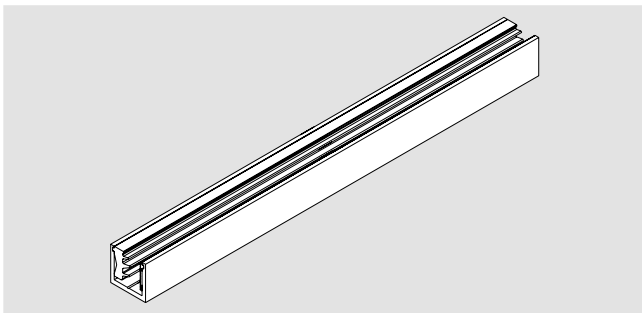
Art. No. 36.802

fixed length

Art. No. 36.803

**MUTO Premium XL 80/150****Art. No. 36.471****End caps**

for side panel profile,
58 mm high
each 2 mm width (When
installing between two walls,
please give particular attention
to it.)

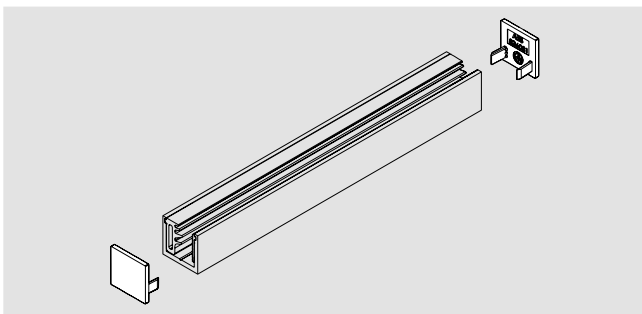
**MUTO****Floor profile**

for Comfort L and Premium XL,
for fixing side panel,
with Gaskets,
for 8 – 13.5 mm glass

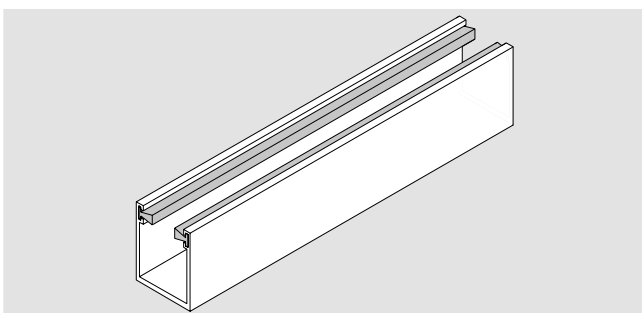
stock length 6,000 mm

Art. No. 36.810

fixed length

Art. No. 36.811**MUTO****End caps (2 pieces)****Art. No. 36.812**

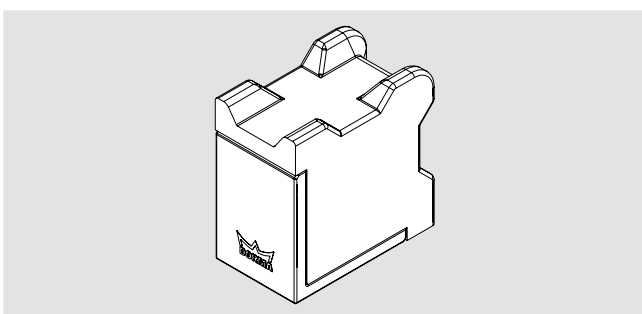
for Comfort L and Premium XL,
for Floor profile,
for fixing side panel

**MUTO Premium XL 80/150****Subsurface floor guide track rail
with brushes**

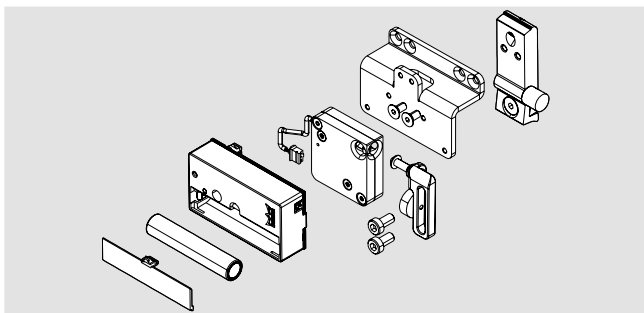
stock length 6,000 mm

Art. No. 36.561

fixed length

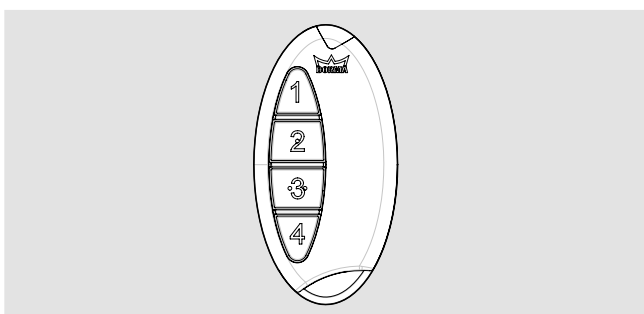
Art. No. 36.562**MUTO Comfort****Art. No. 36.851****Floorstop**

for Comfort M, L
and Premium XL,
for glass- oder timber side panel



MUTO
Integrated locking device
 for Comfort L, Premium XL
 and Self-Closing,
 not suitable as a security barrier
 Consisting of:
 1 Adapter for track reception
 1 Lock reception
 1 Locking device
 1 Frame system L & frame system XL
 1 Battery

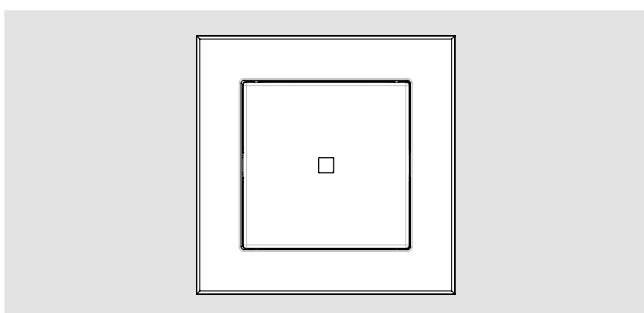
Art. No. 36.842



MUTO
Radio remote control
 for Comfort L, Premium XL
 and Self-Closing,

 1 Radio remote control
 1 Battery

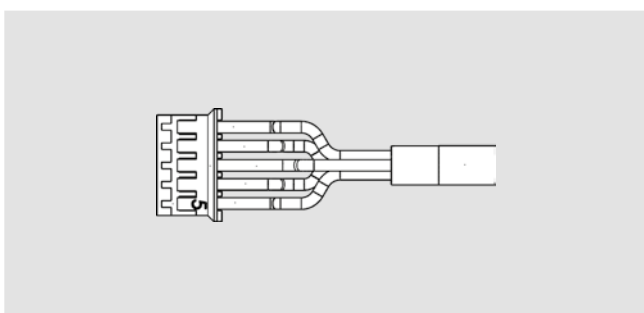
Art. No. 36.848



MUTO
Wall switch with radio remote control
 for Comfort L, Premium XL
 and Self-Closing,

 1 Wall switch
 1 Battery

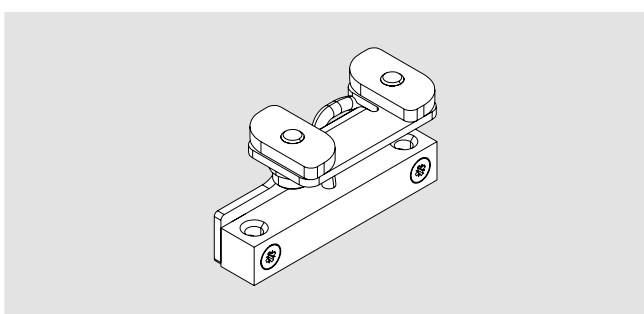
Art. No. 36.849



MUTO
Locking device
 for Comfort L, Premium XL
 and Self-Closing,

 Single cable set for indicator
 and low battery warning

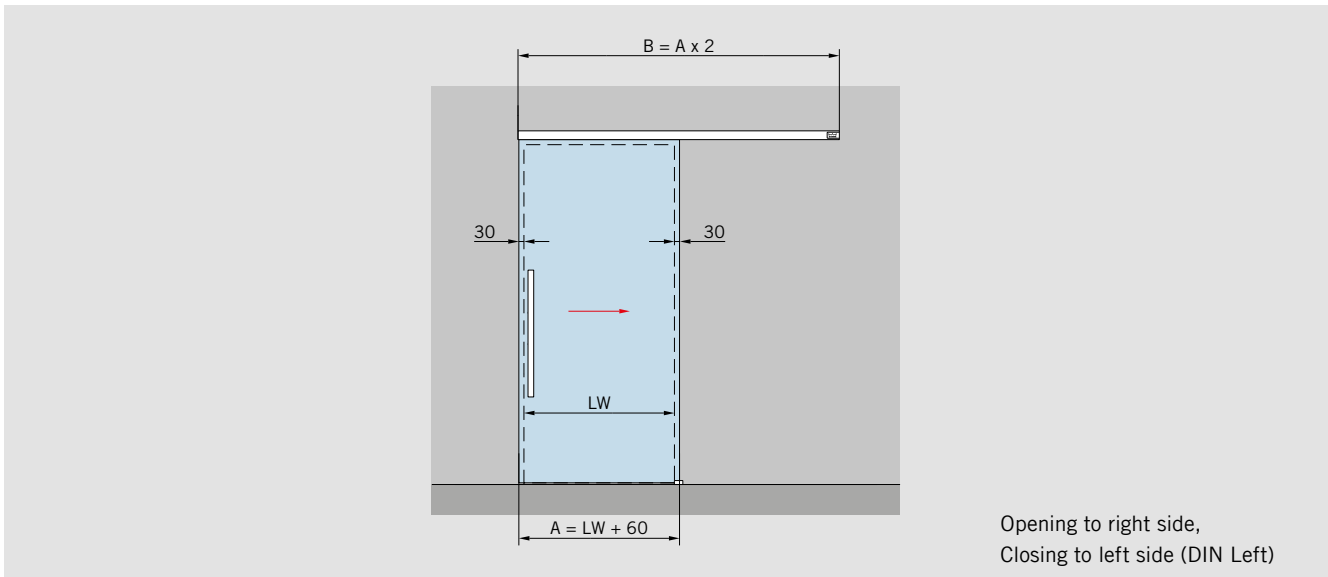
Art. No. 36.855



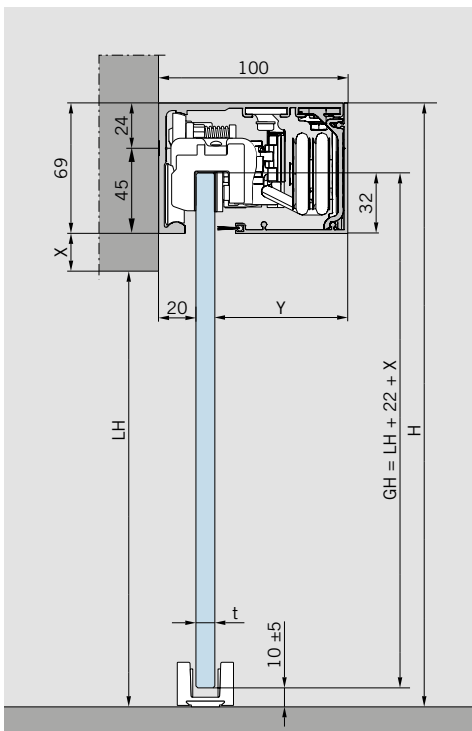
MUTO
Locking device set
 for Comfort L and Premium XL
 Consisting of:
 1 Sensor
 1 Adapter for track reception
 1 Cable

Art. No. 36.840

TYPICAL ASSEMBLIES FIXED AT WALL



Fixed at wall



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

120 kg

Calculation of glass width

$A = LW + 60 \text{ mm}$
min. 850 mm (DORMOTION on one side)
max. 1,500 mm

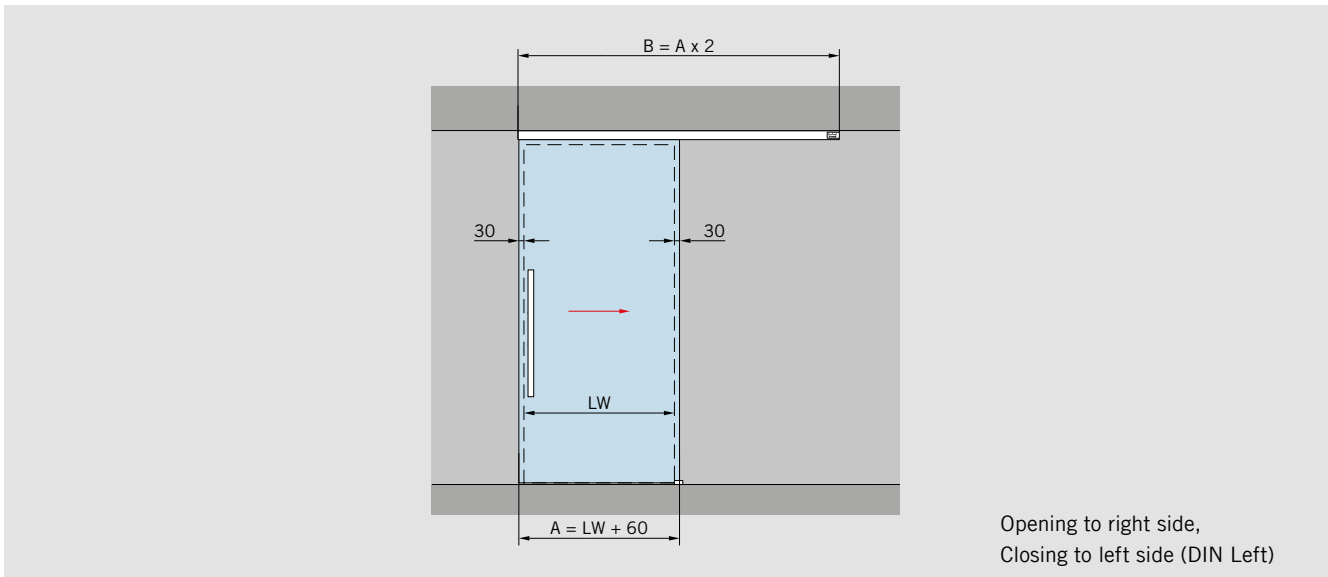
Calculation of glass height

$GH = LH + 22 + X \text{ mm}$
max. 3,000 mm

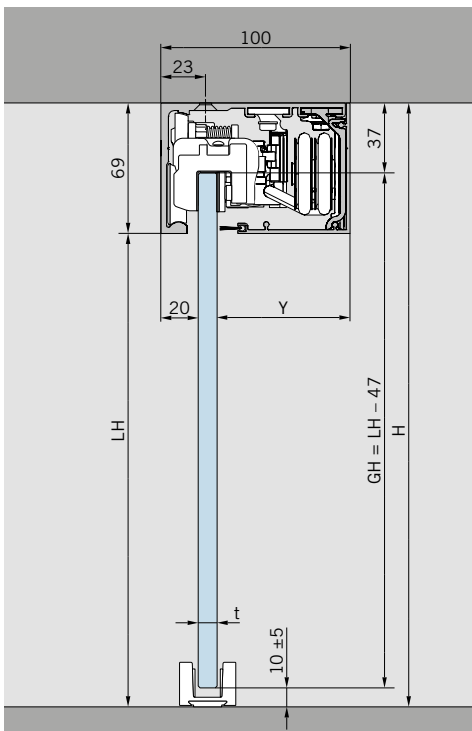
- | | |
|---------------------------|--|
| A = Glass width | t = Glass thickness |
| B = Length of track | Y = 100 mm – 20 mm – t |
| GH = Glass height | X = Freely selectable protrusion
(depending on structural conditions) |
| H = Total height | |
| LH = Clear opening height | |
| LW = Clear opening width | |

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

TYPICAL ASSEMBLIES FIXED AT CEILING



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall; for 8 – 13.5 mm glass thickness

Max. weight of door panels

120 kg

Calculation of glass width

$A = LW + 60$ mm
 min. 850 mm (DORMOTION on one side)
 max. 1,500 mm

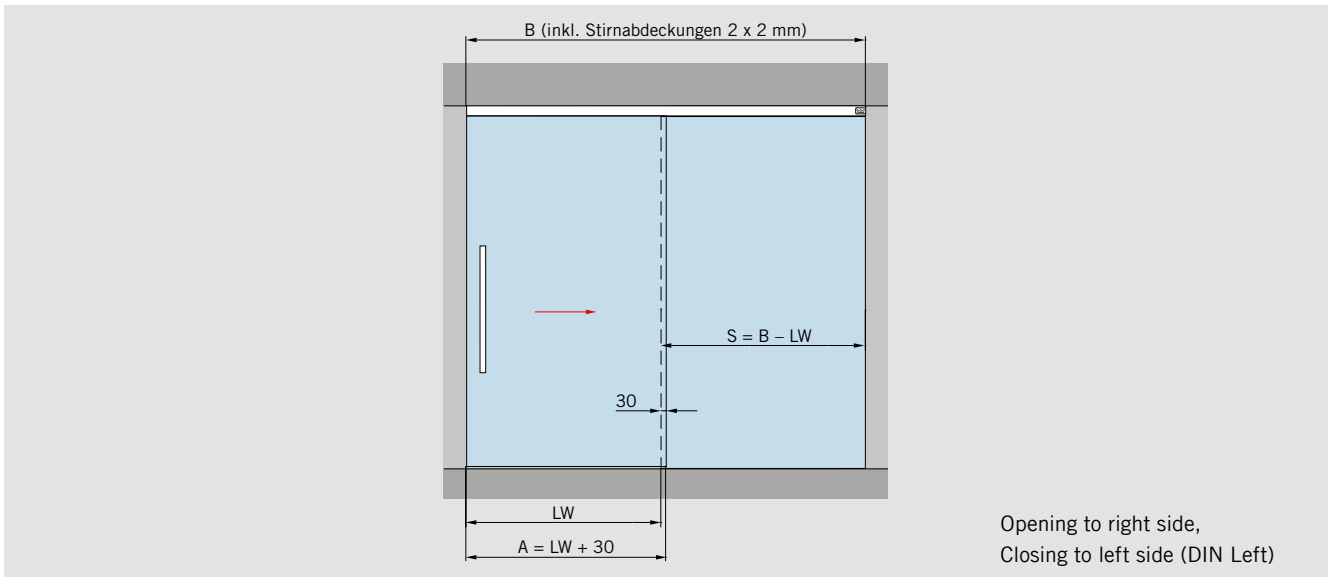
Calculation of glass height

$GH = LH - 47$ mm
 max. 3,000 mm

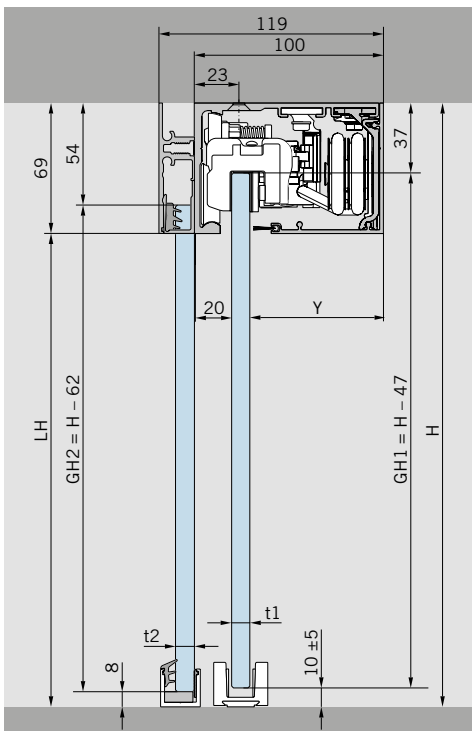
- | | |
|---------------------------|------------------------|
| A = Glass width | t = Glass thickness |
| B = Length of track | Y = 100 mm – 20 mm – t |
| GH = Glass height | |
| H = Total height | |
| LH = Clear opening height | |
| LW = Clear opening width | |

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

TYPICAL ASSEMBLIES WITH SIDE PANEL, ON ONE SIDE



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

120 kg

Calculation of glass width

$A = LW + 30 \text{ mm}$
min. 850 mm (DORMOTION on one side)
max. 1,500 mm

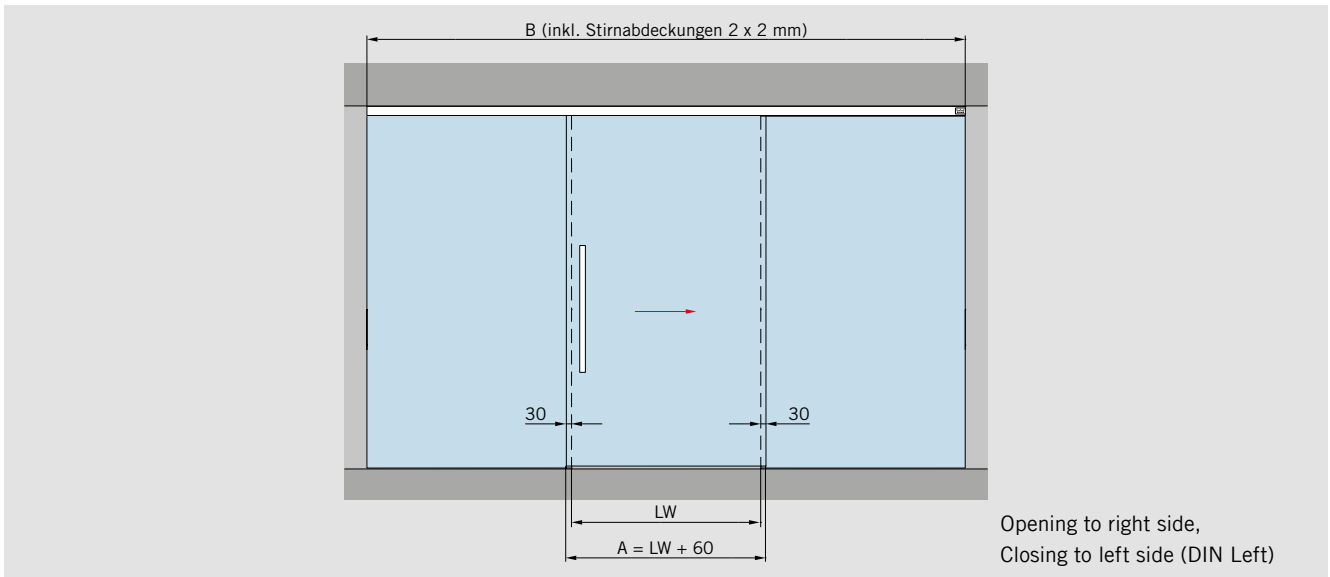
Calculation of glass height

$GH1 = H - 47 \text{ mm}$
 $GH2 = H - 62 \text{ mm}$
max. 3,000 mm

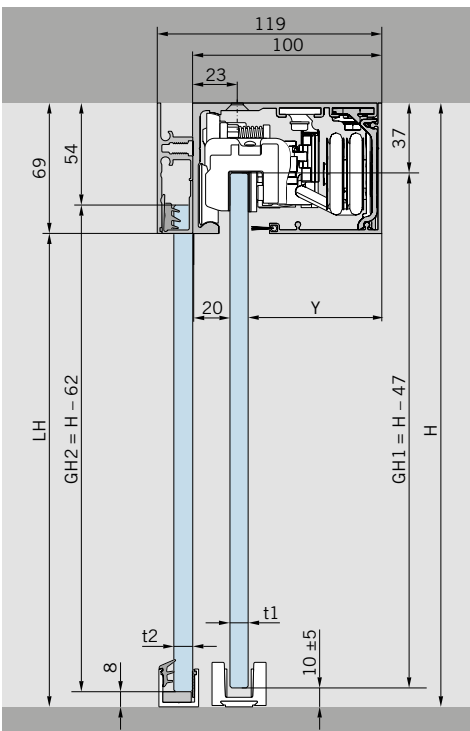
- | | |
|---------------------------------|-----------------------------------|
| A = Glass width | LH = Clear opening height |
| B = Length of track | LW = Clear opening width |
| GH1 = Glass height sliding door | S = Glass width sidelight |
| GH2 = Glass height sidelight | t1 = Glass thickness sliding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

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

TYPICAL ASSEMBLIES WITH SIDE PANEL, ON BOTH SIDES



Fixed at ceiling



Features and data

For installation with one or two door panels fixed at wall;
for 8 – 13.5 mm glass thickness

Max. weight of door panels

120 kg

Calculation of glass width

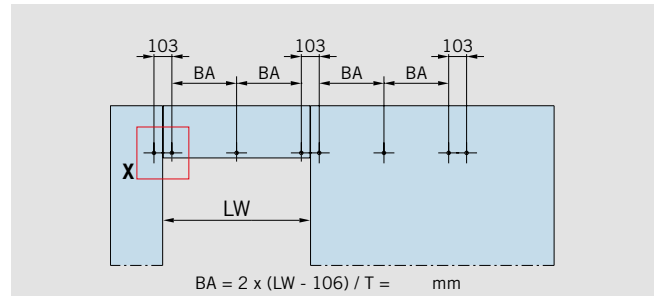
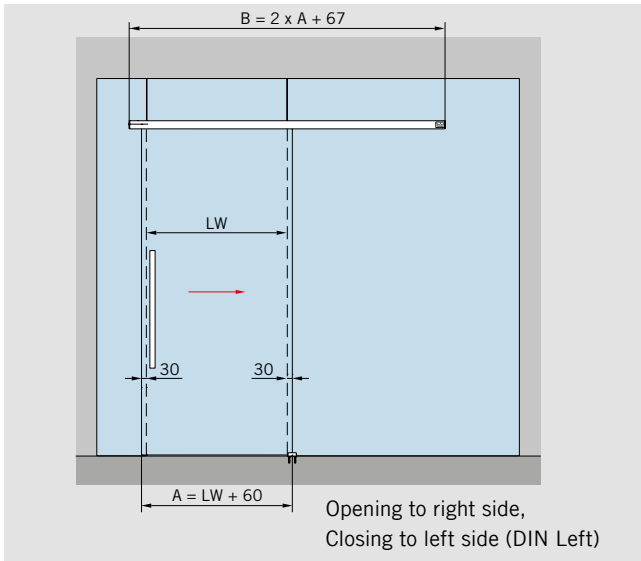
$A = LW + 30 \text{ mm}$
min. 850 mm (DORMOTION on one side)
max. 1,500 mm

Calculation of glass height

$GH1 = H - 47 \text{ mm}$
 $GH2 = H - 62 \text{ mm}$
max. 3,000 mm

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

TYPICAL ASSEMBLIES FIXED AT GLASS

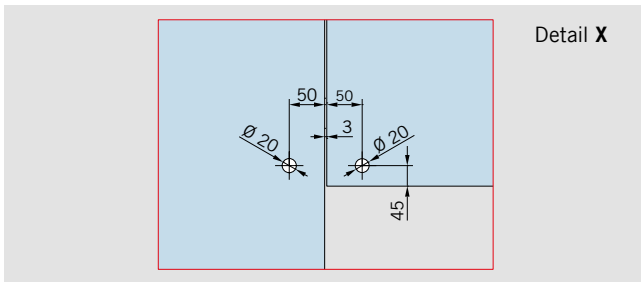


The total quantity of drillings (AB) depends on clear opening width (LW) and determines the final drilling distance (BA).

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

	T	AB
$600 \leq LW \leq 800$	4	8
$801 < LW \leq 1000$	6	10
$1001 < LW \leq 1200$	8	12
$1201 < LW \leq 1500$	10	14
$1501 < LW \leq 2000$	12	16
$2001 < LW \leq 2500$	14	18

Glass preparation



Features and data

For installation with one or two door panels fixed at wall;
 for 8 – 13.5 mm glass thickness

Max. weight of door panels

120 kg

Calculation of glass height

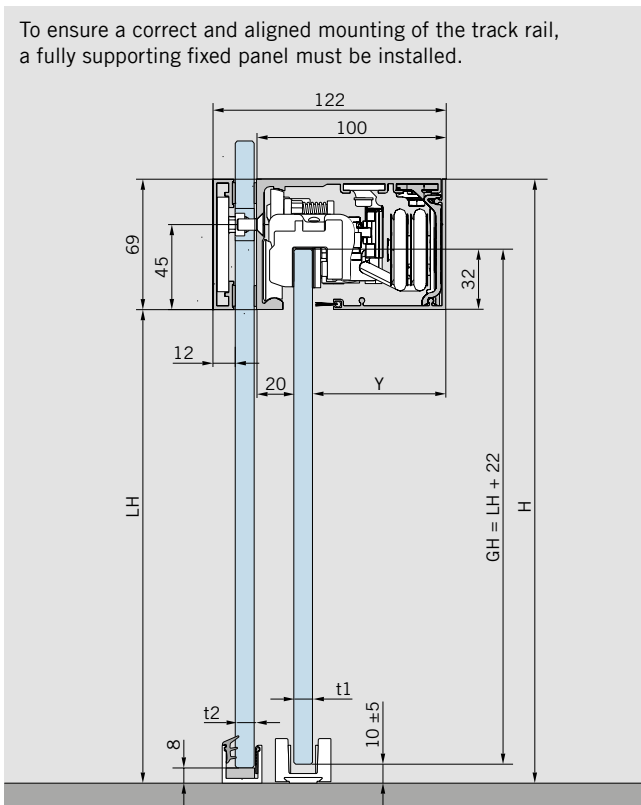
$GH = LH + 22 \text{ mm}$
 max. 3,000 mm

Calculation of glass width

$A = LW + 60 \text{ mm}$
 min. 850 mm (DORMOTION on one side)
 max. 1,500 mm

Fixed at glass

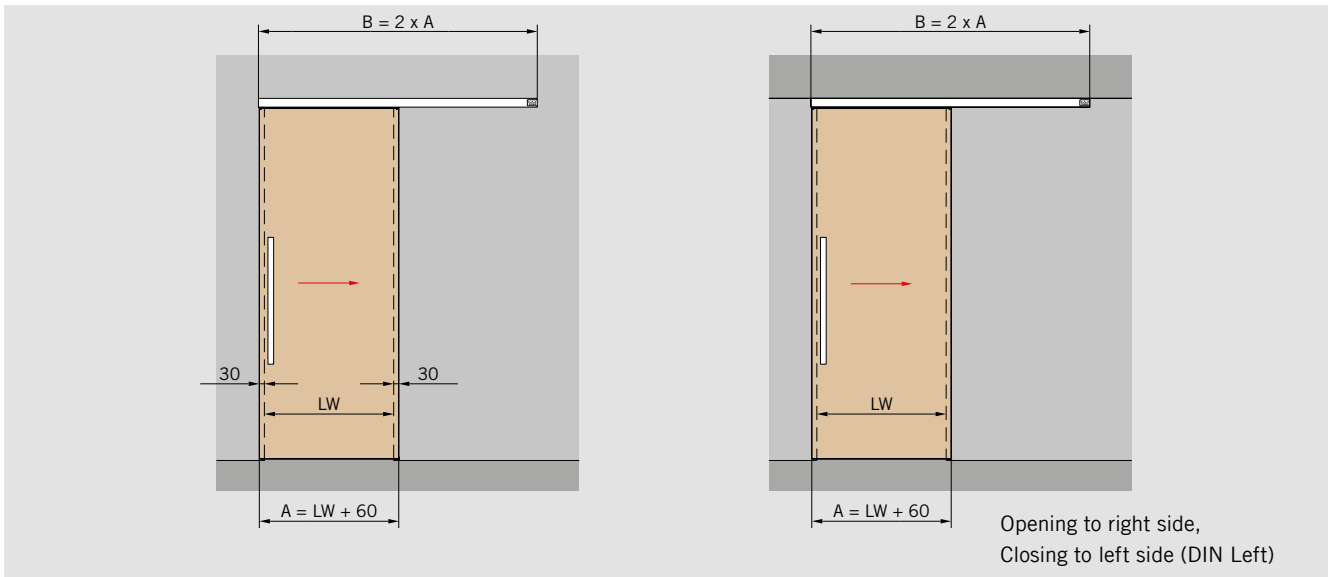
To ensure a correct and aligned mounting of the track rail, a fully supporting fixed panel must be installed.



MUTO Premium	Self-Closing 120
min. glass width	850 mm
min. clear opening width	790 mm
max. Glass width	1,500 mm
max. Clear opening width	1,440 mm

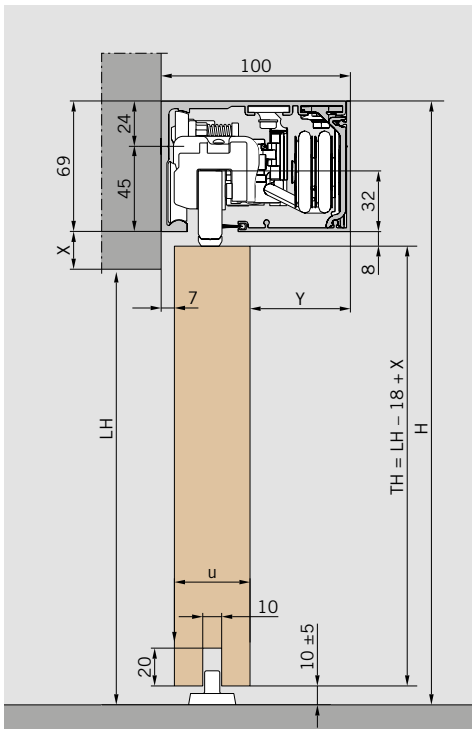
- A = Glass width
- AB = Quantity of drillings
- B = Length of track
- BA = Drilling distance
- H = Total height
- LH = Clear opening height
- LW = Clear opening width
- GH = Glass height
- T = Quantity of drillings distance signed with BA
- t1 = Glass thickness sliding door (8 – 13.5 mm)
- t2 = Glass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

TYPICAL ASSEMBLIES FOR TIMBER DOOR



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

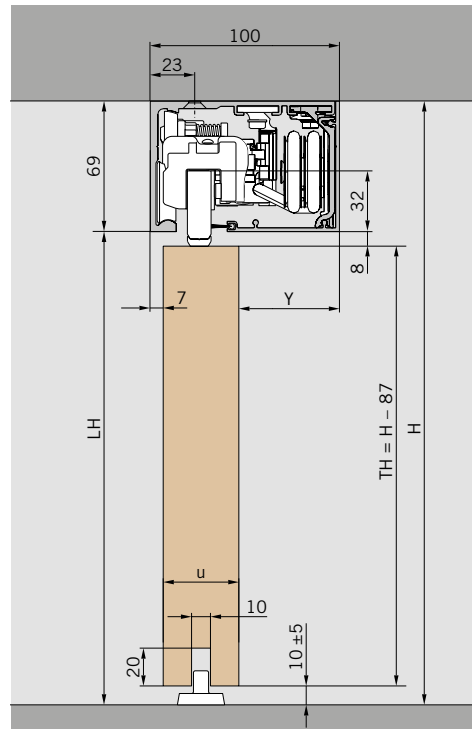
Fixed at wall



Calculation of door height

TH = LH - 18 + X mm
max. 3,000 mm

Fixed at ceiling



Calculation of door height

TH = H - 87 mm
max. 3,000 mm

Features and data

For installation with timber doors;
fixed at wall or ceiling,
for 28 – 50 mm timber elements

Max. weight of door panels

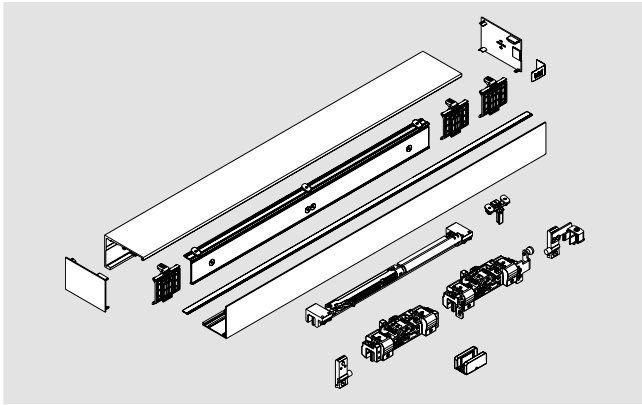
120 kg

Calculation of door width

A = LW + 60 mm
min. 850 mm (DORMOTION
on one side)
max. 1,500 mm

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

FITTING MODULES – FOR SELECTED CLEAR OPENING WIDTH

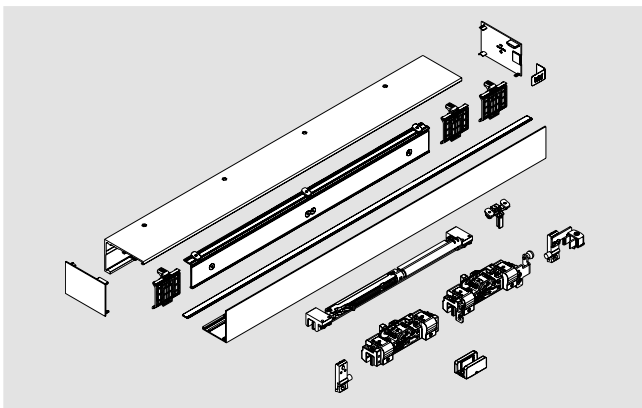


**MUTO Premium
Self-Closing 120**

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

	Panel width	Profile length	Art. No.
Right	950	1,880	36.600
Left	950	1,880	36.601
Right	1,450	2,880	36.602
Left	1,450	2,880	36.603

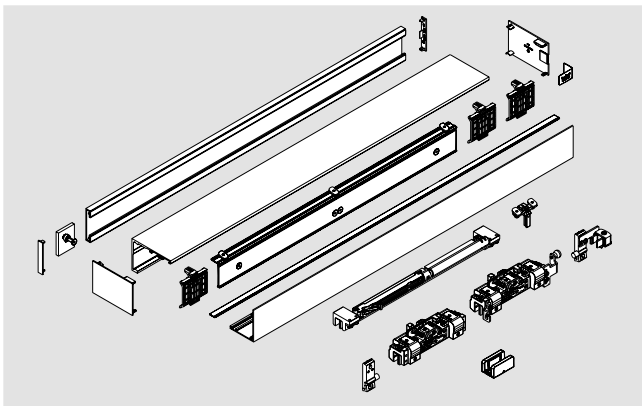


**MUTO Premium
Self-Closing 120**

Fixed at ceiling
incl. track profile, cover profile
and brushes, elastic cable,
DORMOTION unit
(on one side), accessory set,
end caps

for 8 – 13.5 mm glass thickness,
max. 120 kg

	Panel width	Profile length	Art. No.
Right	950	1,880	36.604
Left	950	1,880	36.605
Right	1,450	2,880	36.606
Left	1,450	2,880	36.607



**MUTO Premium
Self-Closing 120**

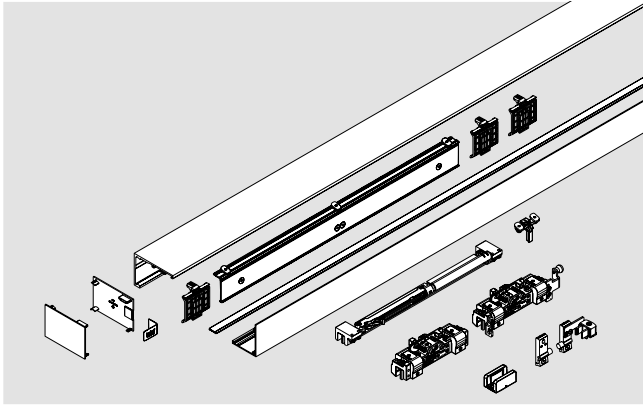
Fixed at glass
incl. track profile, cover profile
and brushes, elastic cable,
DORMOTION unit
(on one side), accessory set,
end caps

for 8 – 13.5 mm glass thickness,
max. 120 kg

	Panel width	Profile length	Art. No.
Right	1,310	2,687	36.608
Left	1,310	2,687	36.609

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

FITTING MODULES – FOR INDIVIDUAL CLEAR OPENING WIDTH



MUTO Premium Self-Closing 120

Fixed at wall

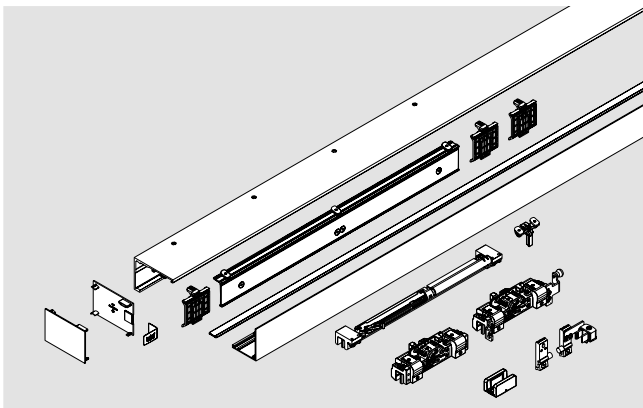
**Individual profile length
up to max. 2.980 mm**

min. glass width 850 mm,
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

Art. No. 36.620
Art. No. 36.621



MUTO Premium Self-Closing 120

Fixed at ceiling

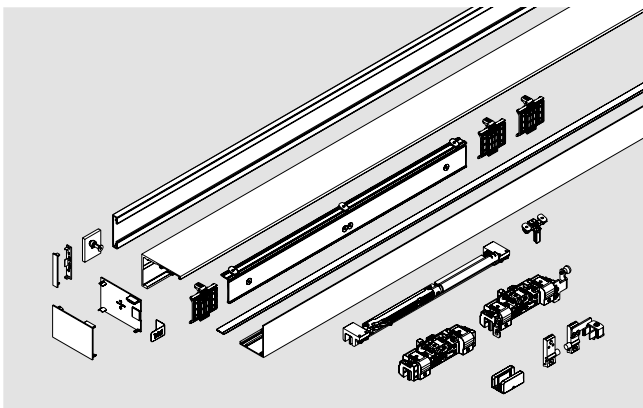
**Individual profile length
up to max. 2.980 mm**

min. glass width 850 mm,
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

Art. No. 36.622
Art. No. 36.623



MUTO Premium Self-Closing 120

Fixed at glass

**Individual profile length
up to max. 3.067 mm**

min. glass width 850 mm,
incl. track profile, cover profile
and brushes, elastic cable,
DORMOTION unit
(on one side), accessory set,
end caps

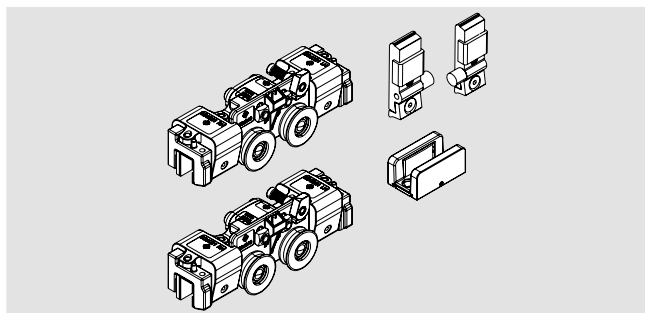
for 8 – 13.5 mm glass thickness,
max. 120 kg

Right
Left

Art. No. 36.624
Art. No. 36.625

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

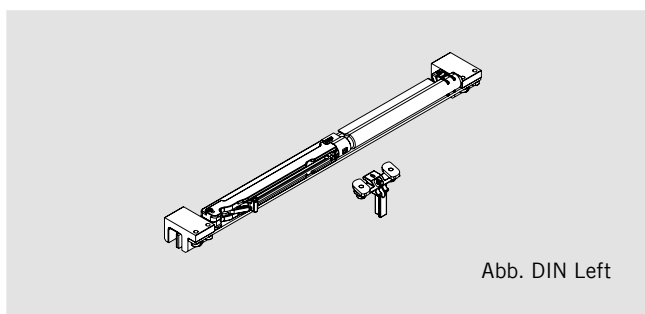
COMPONENT PARTS



**MUTO Premium XL 80/150
Accessory set**

Art. No. 36.550

Consisting of:
2 Clamp carriers
2 Endstops
1 Floor guide



**MUTO Premium
Self-Closing 120
DORMOTION-Set**

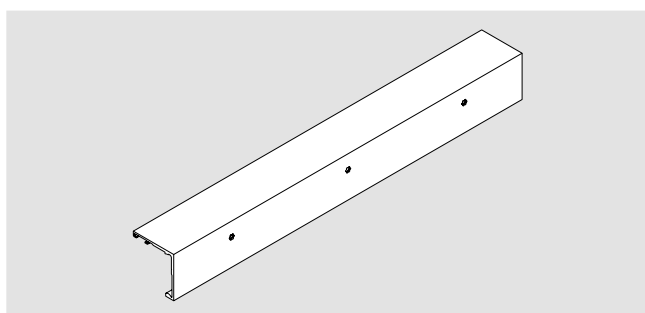
for max. 120 kg,
with Accessories

Art. No. 36.660

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

Art. No. 36.661

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



**MUTO Premium
Self-Closing 120
Track rail**

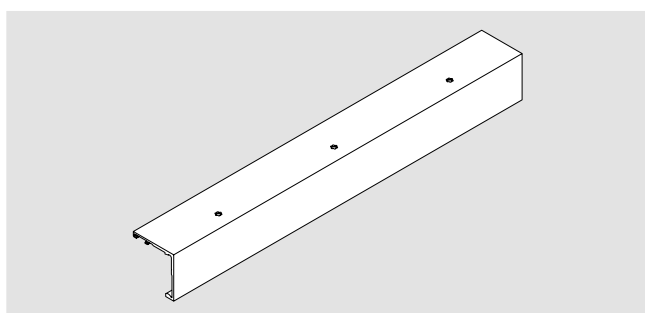
for wall installation

stock length 6,000 mm

Art. No. 36.850

fixed length

Art. No. 36.651



**MUTO Premium
Self-Closing 120
Track rail**

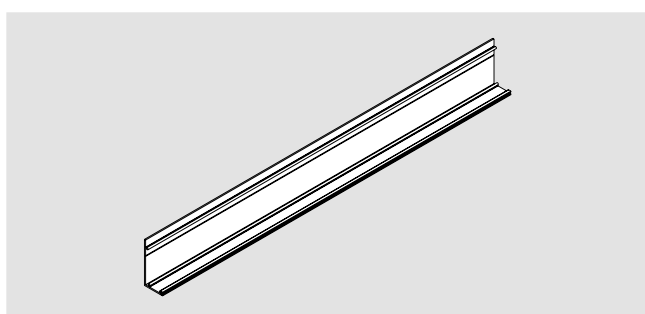
for ceiling installation

stock length 6,000 mm

Art. No. 36.852

fixed length

Art. No. 36.653



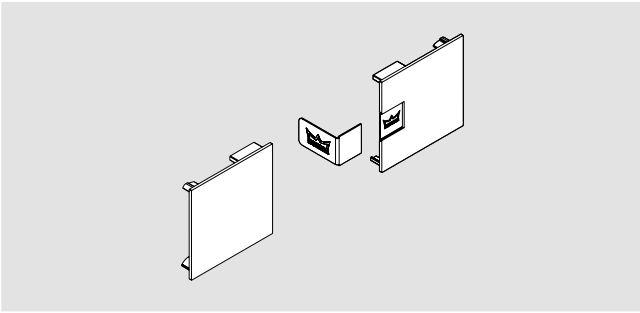
**MUTO Premium
Self-Closing 120
Cover profile**

stock length 6,000 mm

Art. No. 36.854

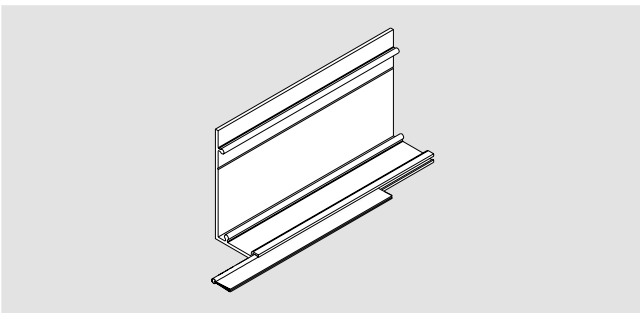
fixed length

Art. No. 36.655



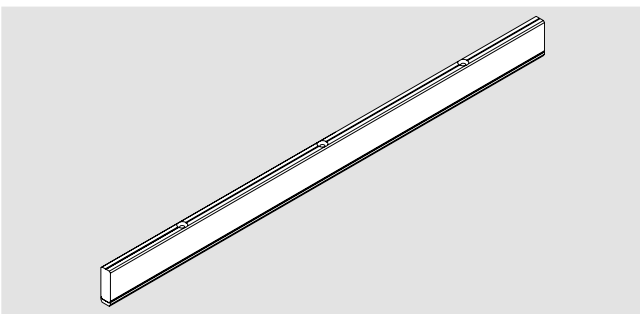
**MUTO Premium
Self-Closing 120
End caps**
for Wall- and Fixed at ceiling

Art. No. 36.656



**MUTO
Brush profile set**
for Comfort M, L
and Premium XL
Consisting of:
1 Brush profile
8 – 10 mm glass
1 Brush profile
12 – 13.5 mm glass

Art. No. 36.265



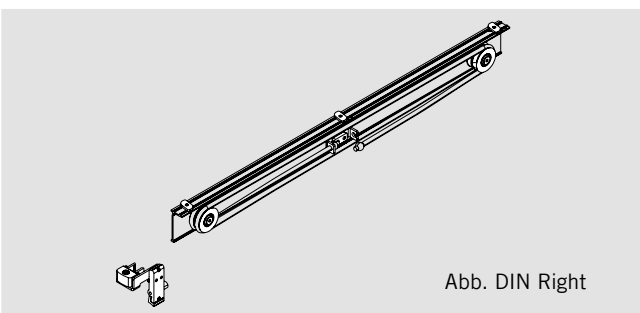
**MUTO Premium XL 80/150
Timber adapter set**
Profile 12.5 x 36 mm
+ 12.5 x 4 mm,
incl. accessories
(with timber floor guide)

1,460 mm

Art. No. 36.461

fixed length max. 2,500 mm

Art. No. 36.464



**MUTO Premium
Self-Closing 120
Elastisches Seil**
with accessories

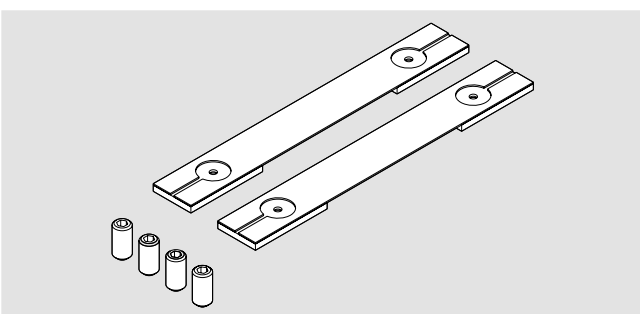
Opening to right side, Closing to
left side (DIN Left)

Art. No. 36.657

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

Art. No. 36.658

Abb. DIN Right

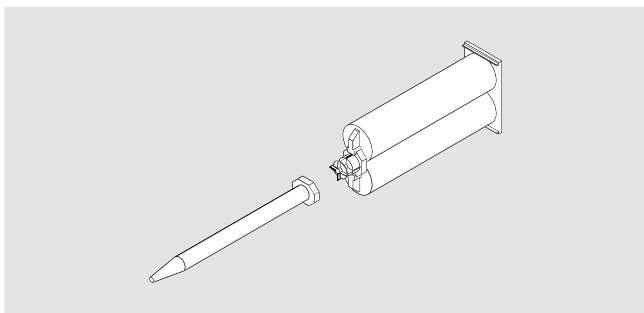


**MUTO Premium XL 80/150
LSG-Set**
Accessory set for use with LSG
for one pair of clamp carrier

Art. No. 36.468

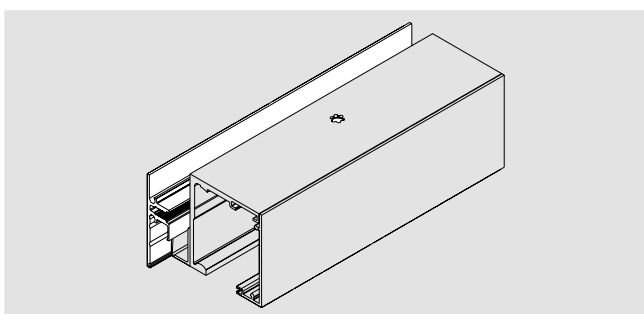
Consisting of:
2 Gaskets
4 injector screw

Please order the LSG glue
07.631 separately



**Special adhesive
for use with LSG**

Art. No. 07.631



**MUTO Premium XL 80/150
Side panelprofil**
69 mm high,
with Gaskets,
for 8 – 13.5 mm glass

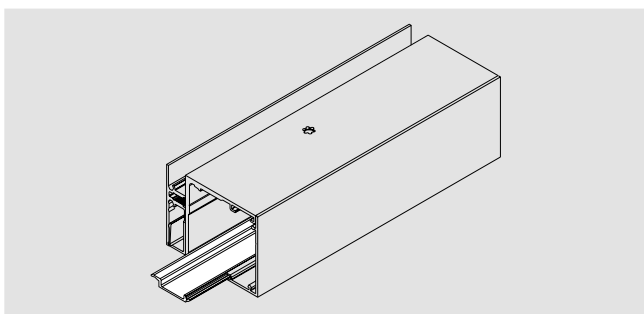
When installing between two walls, please give particular attention to the width of the end covers (each 2 mm).

stock length 6,000 mm

Art. No. 36.469

fixed length

Art. No. 36.474



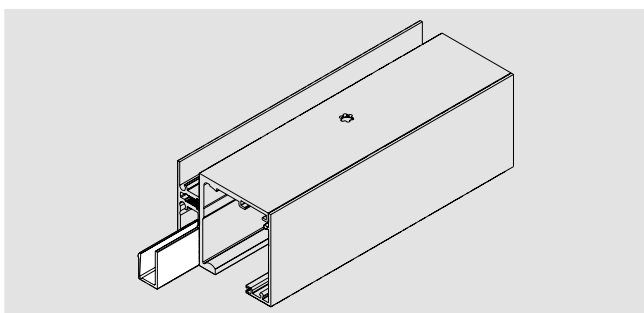
**MUTO
Filling profile**
for Comfort L, Premium XL
and Self-Closing,,
for side panel profile

stock length 6,000 mm

Art. No. 36.800

fixed length

Art. No. 36.801



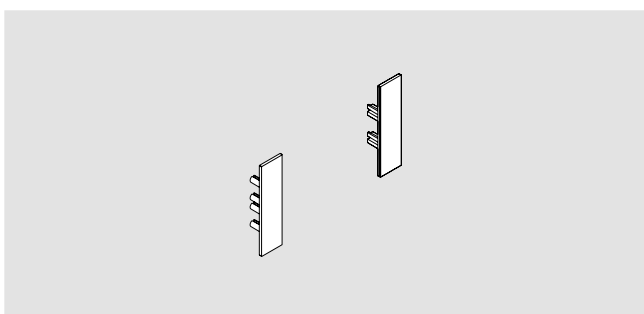
**MUTO
Filling profile**
for Comfort L, Premium XL
and Self-Closing,

stock length 6,000 mm

Art. No. 36.802

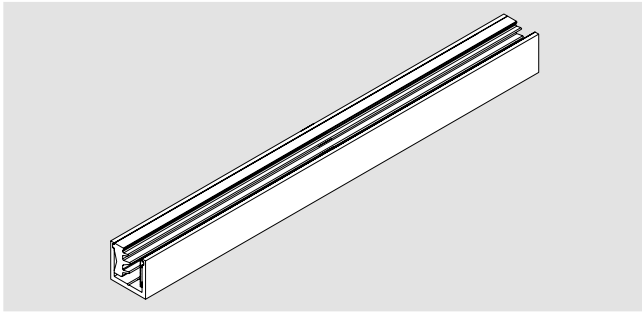
fixed length

Art. No. 36.803



**MUTO Premium
Self-Closing 120
end caps**
for side panel profile,
each 2 mm width (When
installing between two walls,
please give particular attention
to it.)

Art. No. 36.471



MUTO

Floor profile

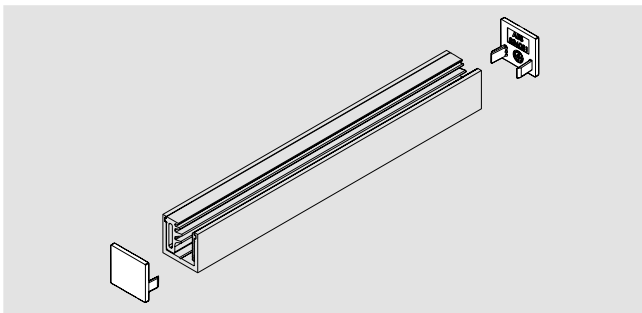
for Comfort L and Premium XL,
for fixing side panel,
with Gaskets,
for 8 – 13.5 mm glass

stock length 6,000 mm

Art. No. 36.810

fixed length

Art. No. 36.811

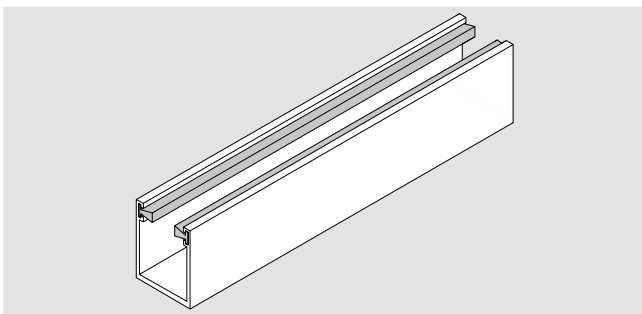


MUTO

End caps (2 pieces)

for Comfort L and Premium XL,
for Floor profile,
for fixing side panel

Art. No. 36.812



MUTO Premium XL 80/150

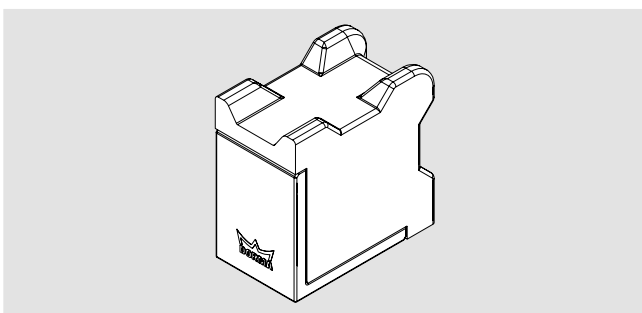
**Subsurface floor guide track rail
with brushes**

stock length 6,000 mm

Art. No. 36.561

fixed length

Art. No. 36.562

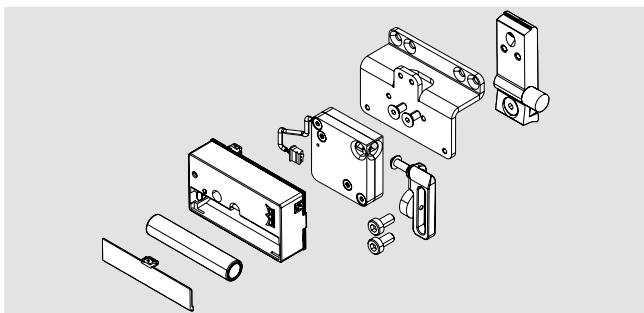


MUTO Comfort

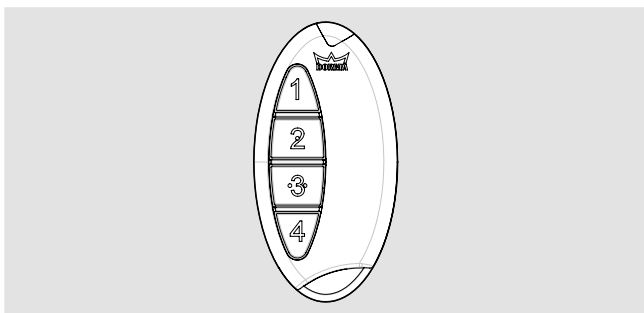
Floorstop

for Comfort M, L
and Premium XL,
for glass- oder timber side panel

Art. No. 36.851

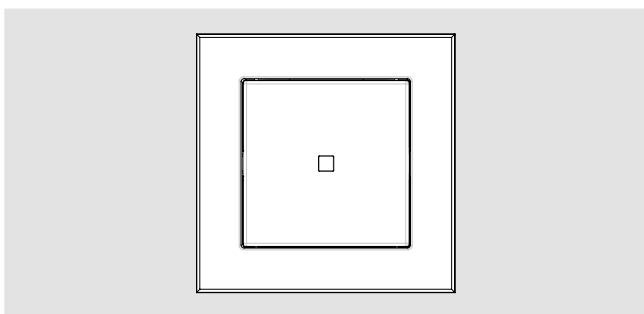


MUTO **Art. No. 36.842**
Integrated locking device
 for Comfort L, Premium XL
 and Self-Closing,
 not suitable as a security barrier
 Consisting of:
 1 Adapter for track reception
 1 Lock reception
 1 Locking device
 1 Frame system L & frame system XL
 1 Battery



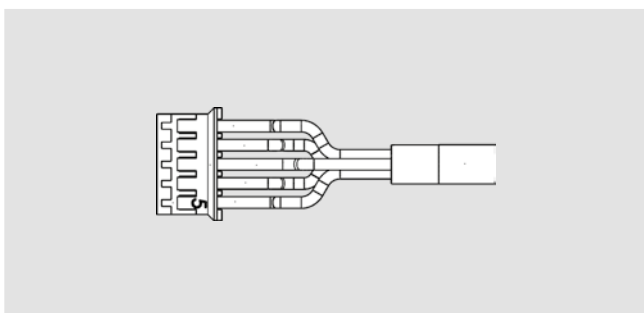
MUTO **Art. No. 36.848**
Radio remote control
 for Comfort L, Premium XL
 and Self-Closing,

 1 Radio remote control
 1 Battery



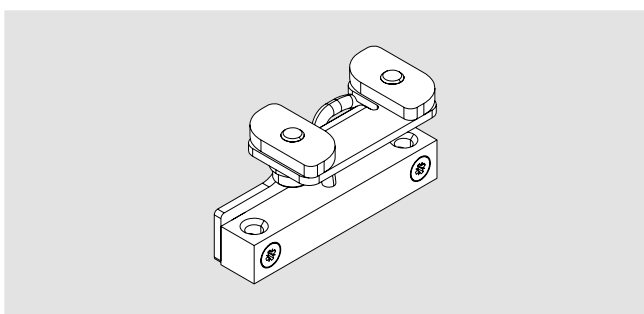
MUTO **Art. No. 36.849**
Wall switch with radio remote control
 for Comfort L, Premium XL
 and Self-Closing,

 1 Wall switch
 1 Battery



MUTO **Art. No. 36.855**
Locking device
 for Comfort L, Premium XL
 and Self-Closing,

 1 Cable set for connecting the
 status indicator in the lock unit



MUTO **Art. No. 36.840**
Locking device set
 for Comfort L and Premium XL
 Consisting of:
 1 Sensor
 1 Adapter for track reception
 1 Cable

RS 120/RS 120 SYNCHRO

General information

78

Typical assemblies

79 – 80

Sets

81

Component parts

82

Accessories

83 – 84 / 132 – 150

Safety-related information

151



RS 120/RS 120 SYNCHRO



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. Cutting to the required size is simplicity itself.

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

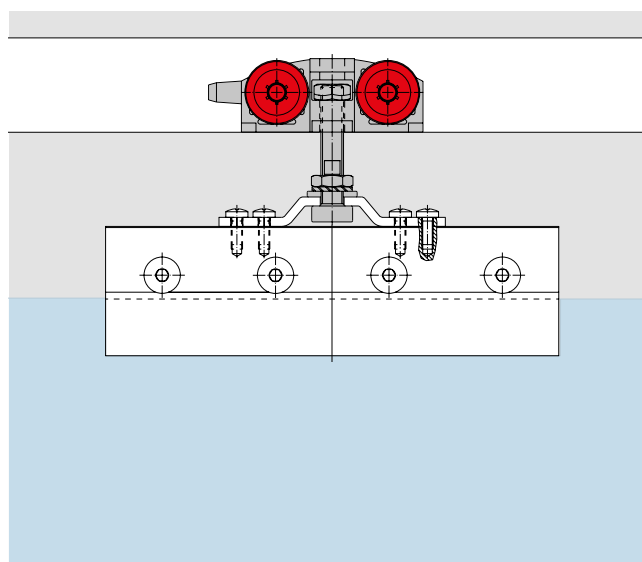
There is a clever device in the track which operates as a cushioned end stop, retaining the door securely in the end positions.

Synchro-Version

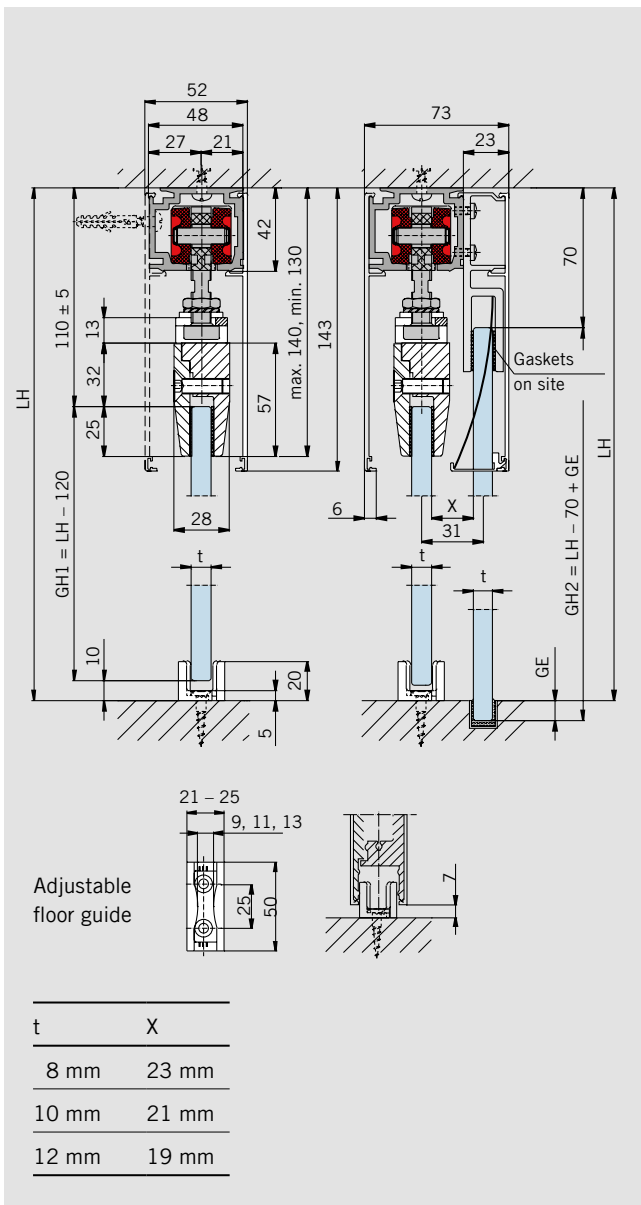
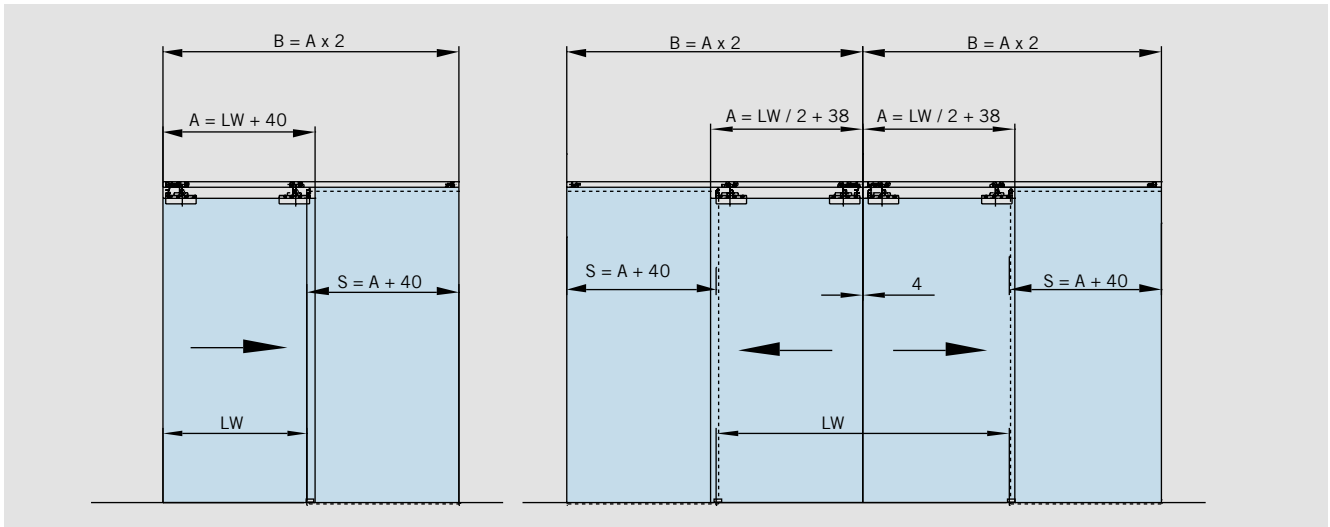
By a special cable and deflection device a synchronously opening system for a two-panel assembly can be realised. For only one of the panels has to be moved, a biggest possible operating convenience for maximum passage width is guaranteed.

No glass preparation

DORMA-Glas 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 DORMA RS sliding door gear. This has the additional benefit of allowing some door height adjustment, after the doors is hung, without dismantling the already fixed glass.



TYPICAL ASSEMBLIES



Features and Data

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

Calculation of glass height

Height of sliding door leaf
 $GH1 = LH - 120$
 (see drawing left hand)

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

Calculation of glass width

Width of sliding door leaf
 $A = LW + 40$ (min. 500)

Width of sidelight
 $S = A + 40$

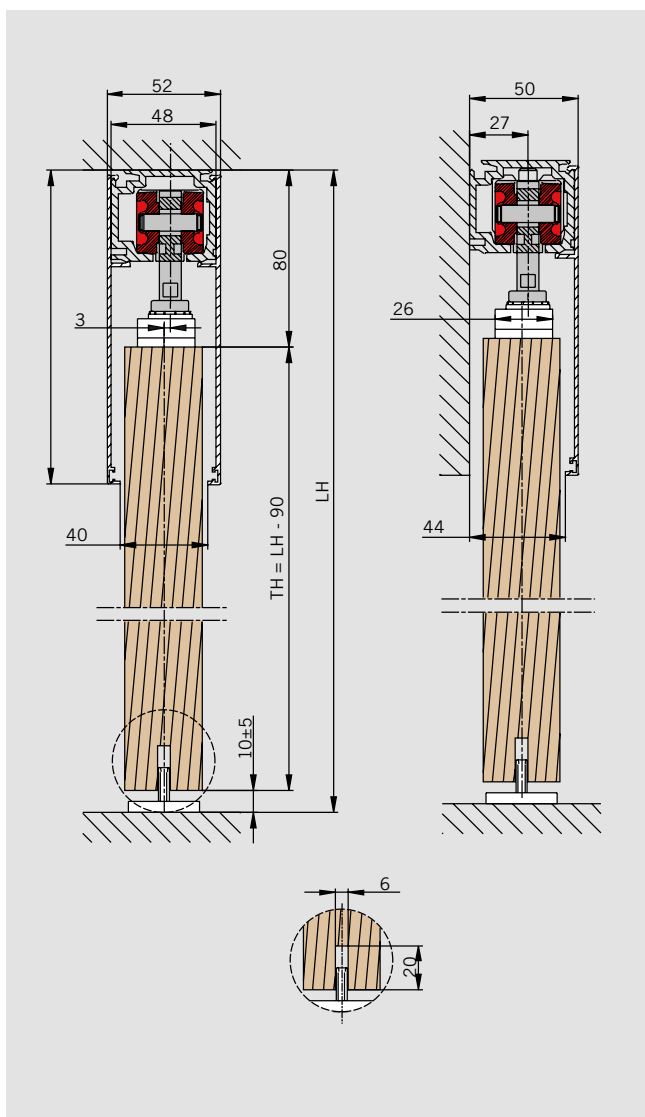
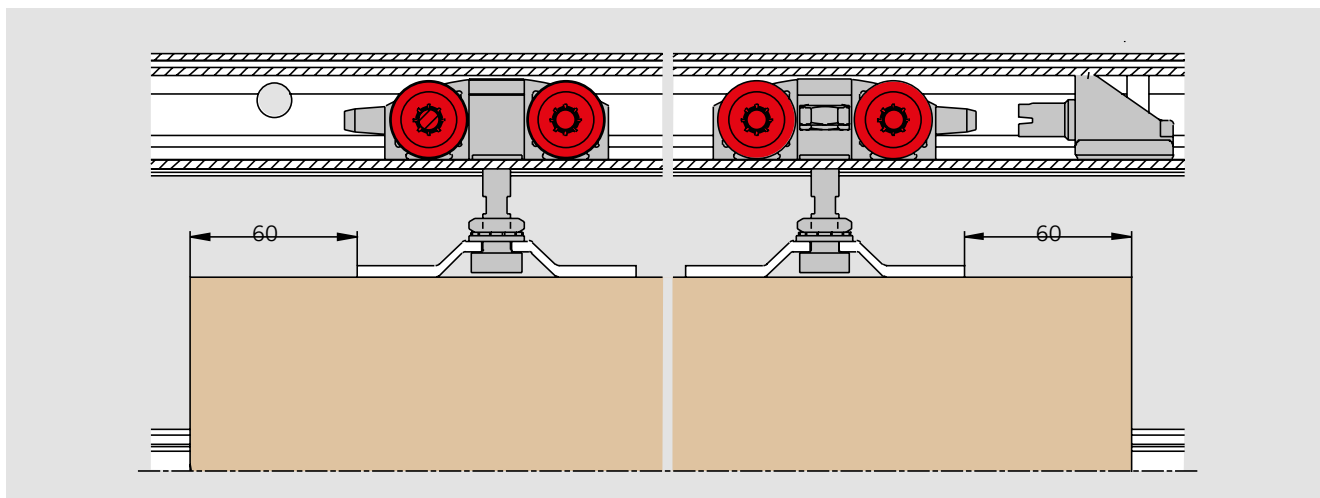
Torque for screws in the clamping patches
 20 Nm

- 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
- t = Glass thickness

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 83).

SLIDING DOOR SYSTEM FOR TIMBER DOORS



Features and Data

RS 120

For one or more door panels.

Maximum weight of door panels

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

Calculation of door panel height

Height of sliding door leaf

$$TH = LH - 90$$

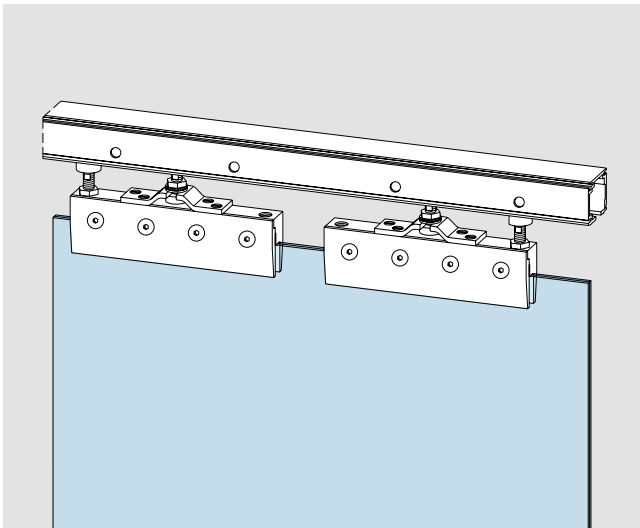
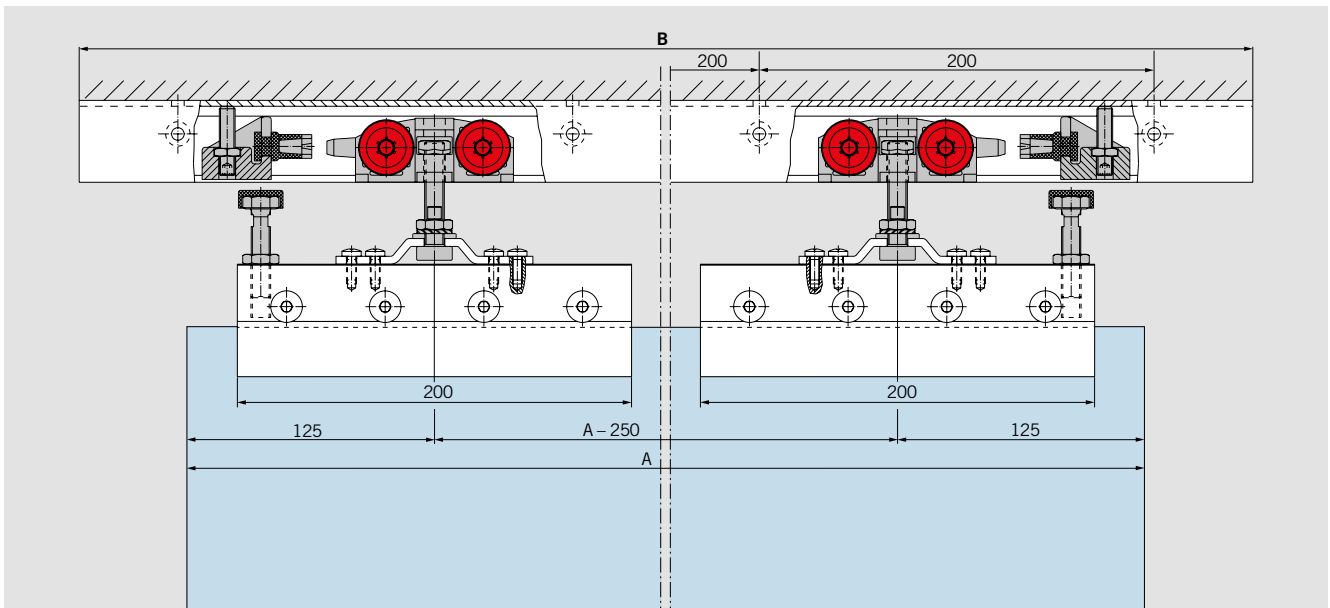
(see drawing left hand)

TH = door height

LH = clear opening height

u = 29 – 35 mm

FITTING MODULES



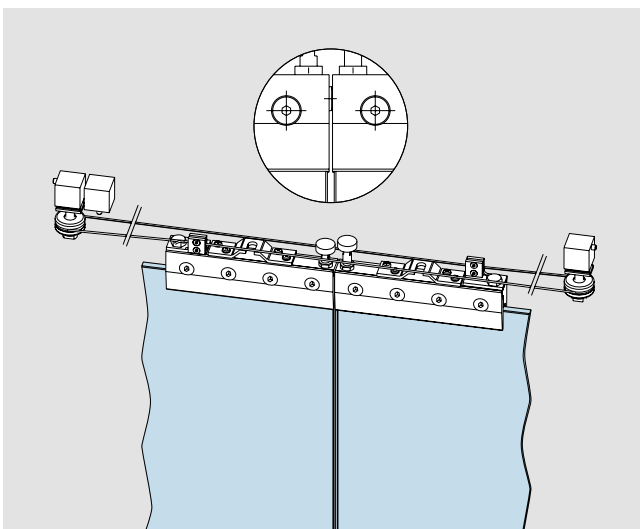
Sliding door gear RS 120

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.

Track length	1,900	2,900
B in mm		

Art. No.	07.101	07.102
-----------------	---------------	---------------

Weight in kg:	4.503	5.858
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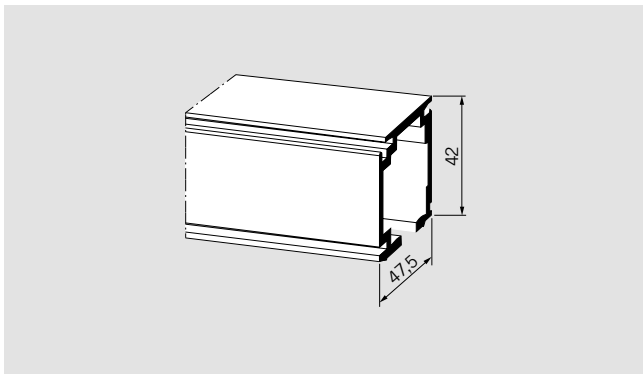
Sliding door gear RS 120 Synchro

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

Art. No. 07.150

**Track, if necessary sidelight
 profile, cover profile + view
 protection profile have to be
 ordered separately
 (see page 82).**

COMPONENT PARTS RS 120/RS 120 SYNCHRO

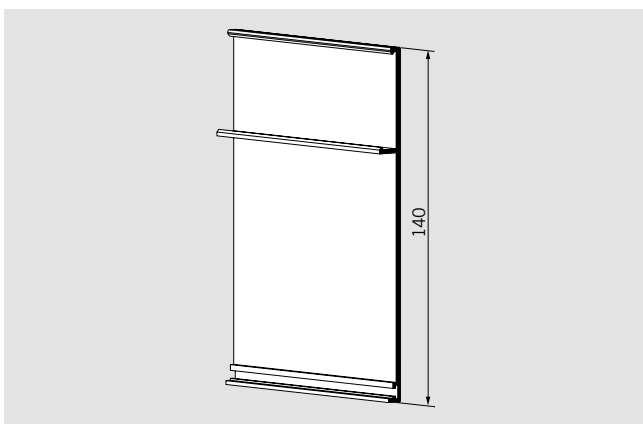


Track profile
prepared for top or side fixing

Art. No. 07.131
fixed length

Art. No. 07.121
stock length 6,000 mm

Weight in kg/m: 1.355

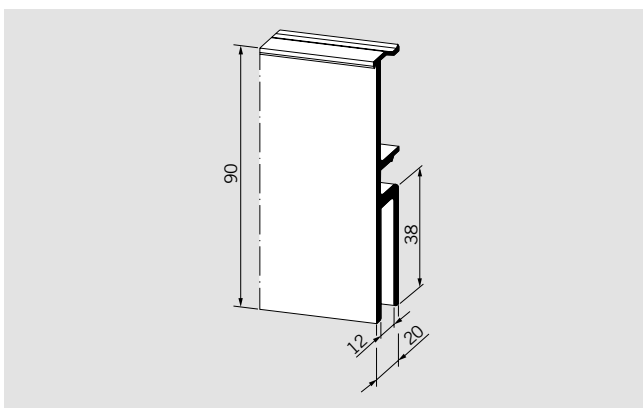


Cover profile
for clip attachment with
connecting web for view
protection profile 07.137/138

Art. No. 07.141
fixed length

Art. No. 07.140
stock length 6,000 mm

Weight in kg/m: 0.826

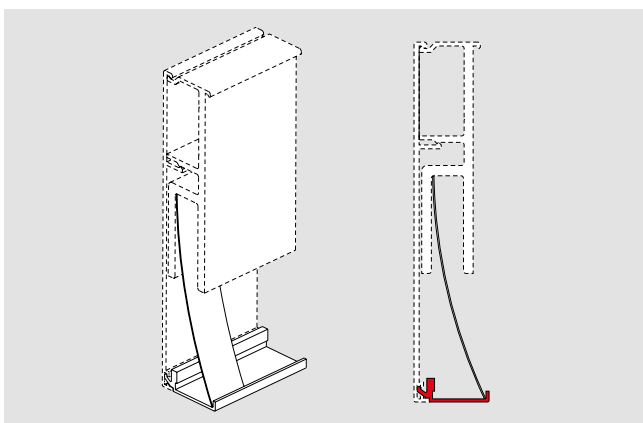


Sidelight profile
connectable to track,
non prepared

Art. No. 07.132
fixed length

Art. No. 07.122
stock length 6,000 mm

Weight in kg/m: 1.680



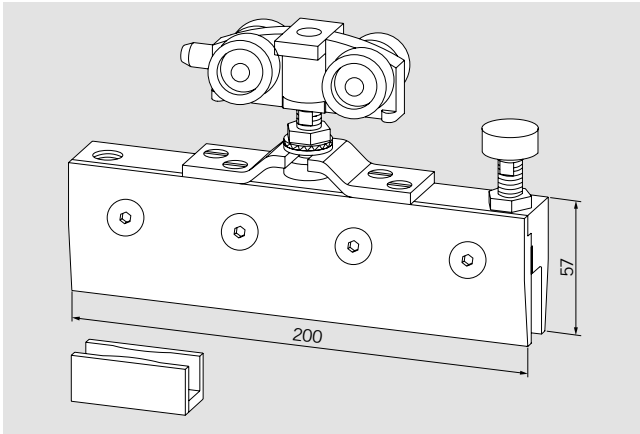
Bottom view protection profile
(only in combination with side-
light profile 07.132/122 and
cover profile 07.141/140)

Art. No. 07.137
fixed length

Art. No. 07.138
stock length 6,000 mm

Weight in kg/m: 0.164

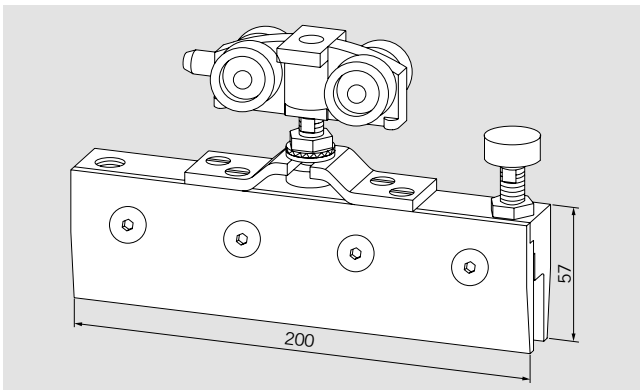
ACCESSORIES RS 120/RS 120 SYNCHRO



Set of accessories

Art. No. 07.125

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



Additional carrier with clamping patches

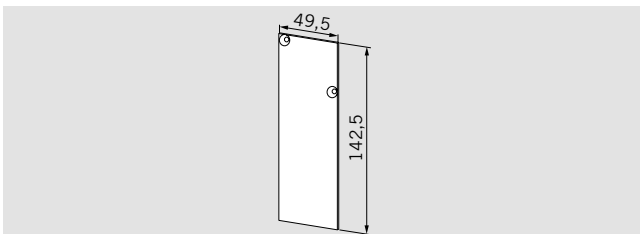
Art. No. 07.123

(8 and 10 mm glass thicknesses)
for max. panel weight 150 kg

Pair of intermediate aluminum plates

Art. No. 07.118

for 12 mm glass thickness
(for 2 clamping parts)
(not illustrated)

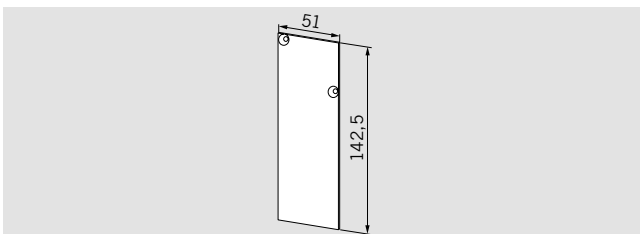


End cap

Art. No. 07.127

track connected to wall
left/right hand,
incl. screws

Weight in kg: 0.037

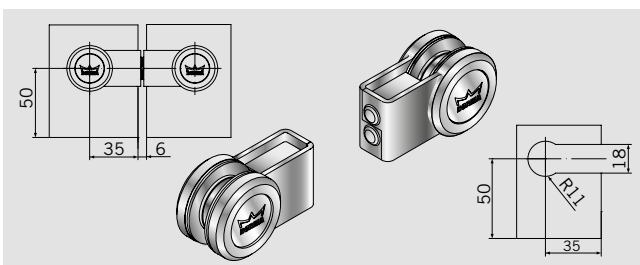


End cap

Art. No. 07.129

track connected to ceiling
left/right hand,
incl. screws

Weight in kg: 0.037

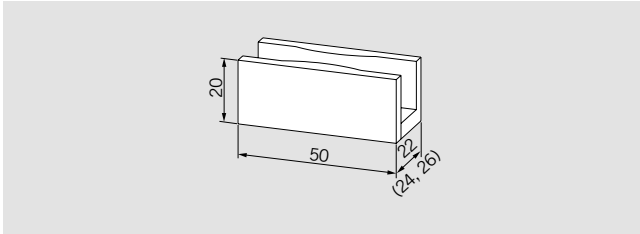


Spacer

Art. No. 29.420

for sliding doors that move in
opposite directions

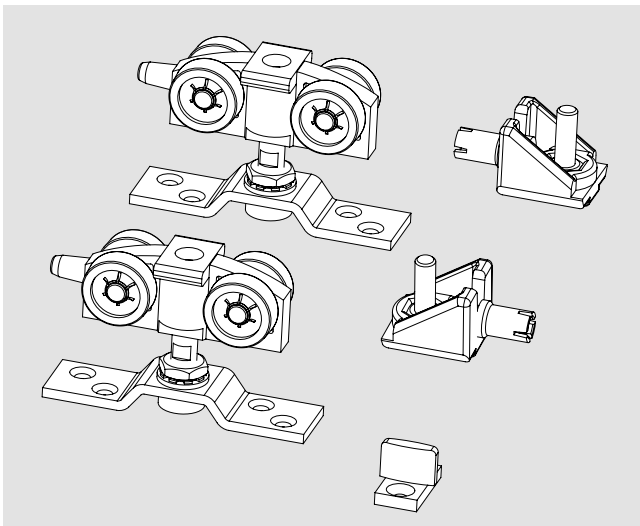
FLOOR GUIDE



**Floor guide,
adjustable**

Art. No. 07.126
Weight in kg: 0.024

COMPONENT PARTS FOR RS 120 FOR TIMBER APPLICATIONS



**RS 120 accessories for timber
applications**

Art. No. 07.135

consisting of:
2 carriers,
2 end stops with safety catch,
1 floor guide

MANET COMPACT SETS

General information

88 – 89

Set Typ 4.1/4.2

90 – 91

Set Typ 5.1/5.2

92 – 93

Set Typ 6.1/6.2

94 – 95

Accessories

132 – 150

Safety-related information

151



All elements up to and 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), especially 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.



Winner of the red dot design award 2002

MANET COMPACT SETS

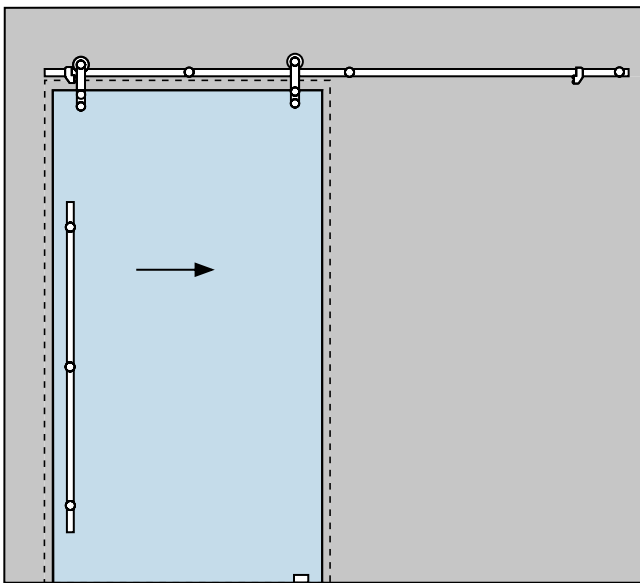
The aesthetic elegance of the MANET COMPACT concept is also available in the form of standardized sets for simple, fast planning of the more popular system types.

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

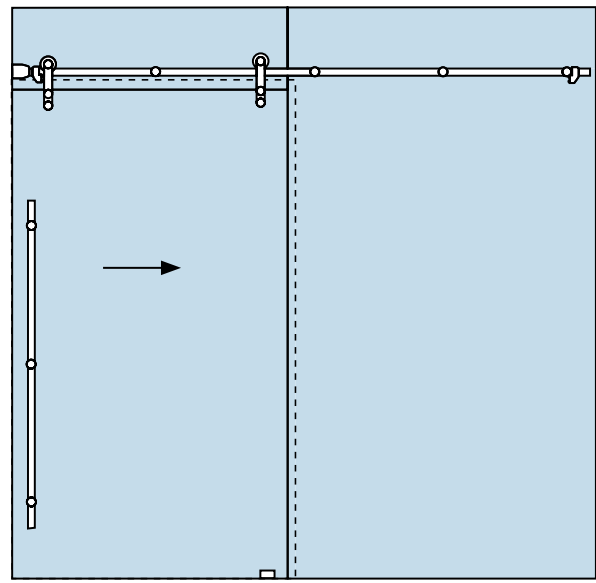
The system components offer numerous adjustment possibilities in order to ensure problem-free installation of whichever

door type – sliding or swing, single action or double action – is required.

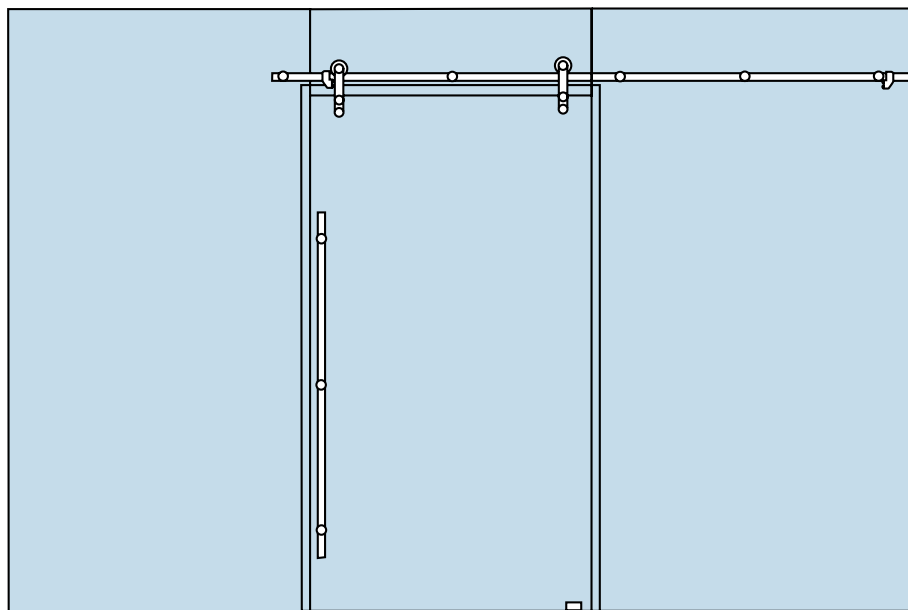
Wall abutment profiles may need to be provided (by others) for fixing overpanels and sidelights. (See technical brochure "Fittings and door rails for toughened glass assemblies".)



Set 4.1/4.2



Set 5.1/5.2

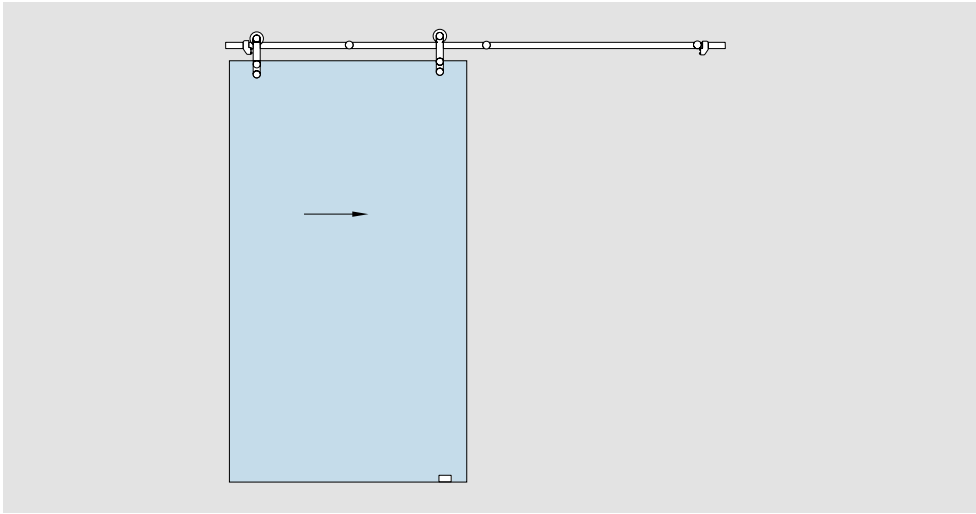


Set 6.1/6.2



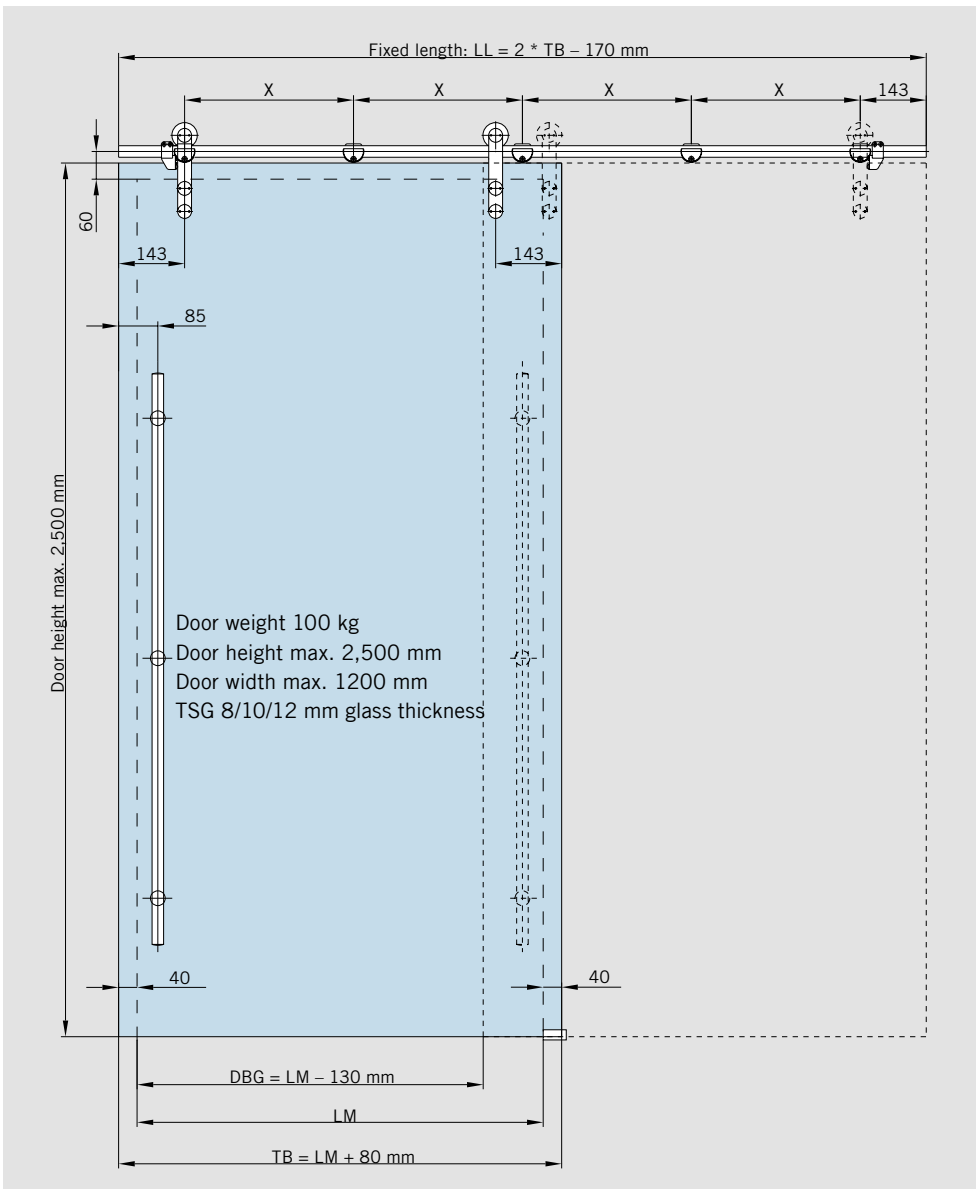
SET 4.1/4.2

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
- LL = 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**

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

Set 4.1
with single-point fixings
countersunk

Art. No. 29.916

Set 4.2
with clamping disc single-point
fixings

Art. No. 29.917**Set as above,**

but with 16 mm extended clamp fixing

Art. No. 29.925**Art. No. 29.926****Not covered by the set:**

Tubular track inclusive end cups in fixed length*

Art. No. 21.436**Art. No. 21.436**Tubular track, inclusive end cups,
stock length 3,000 mm**Art. No. 21.527****Art. No. 21.527****Accessory options for Set 4.1 / Set 4.2****Pull handles / Recessed pull grip**

Pull handles	Length 350 mm	Art. No. 29.268	Art. No. 21.240
	Length 720 mm	Art. No. 29.271	Art. No. 21.241
	Length 1,240 mm	Art. No. 29.274	Art. No. 21.242
	Length 1,760 mm	Art. No. 29.277	Art. No. 21.243
Pair of pull handles	Length 350 mm	Art. No. 21.267	
	Length 720 mm	Art. No. 21.270	
	Length 1,240 mm	Art. No. 21.273	
	Length 1,760 mm	Art. No. 21.276	
Recessed pull grip Ø 60 mm	for 8/10/12 mm glass	Art. No. 21.291	
Recessed pull grip with grip hole Ø 60 mm	for 8 mm glass	Art. No. 21.292	
	for 10 mm glass	Art. No. 21.293	
	for 12 mm glass	Art. No. 21.294	
Door knob back-to-back	for 8 – 12 mm glass	Art. No. 21.423	
Door knob one side fixing	for 8 – 12 mm glass	Art. No. 21.422	Art. No. 21.426

Corner lock

Corner lock	Art. No. 21.448		
Corner lock with rose on one lock side	Art. No. 29.449		
Profile cylinder for corner lock 21.448/449	Art. No. 14.206		
Eccentric bushing for corner lock 21.448/449	Art. No. 05.194		

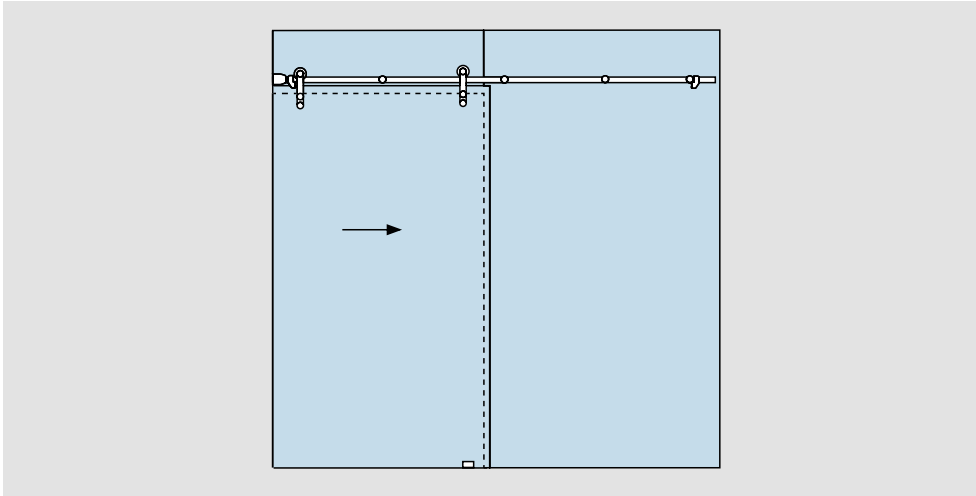
Further accessories

Aluminum guide rail with brush seals	stock length 3,000 mm	Art. No. 21.432	
	stock length 6,000 mm	Art. No. 21.430	
	Assembling tool for MANET single-point fixing	Art. No. 21.134	

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

SET 5.1/5.2

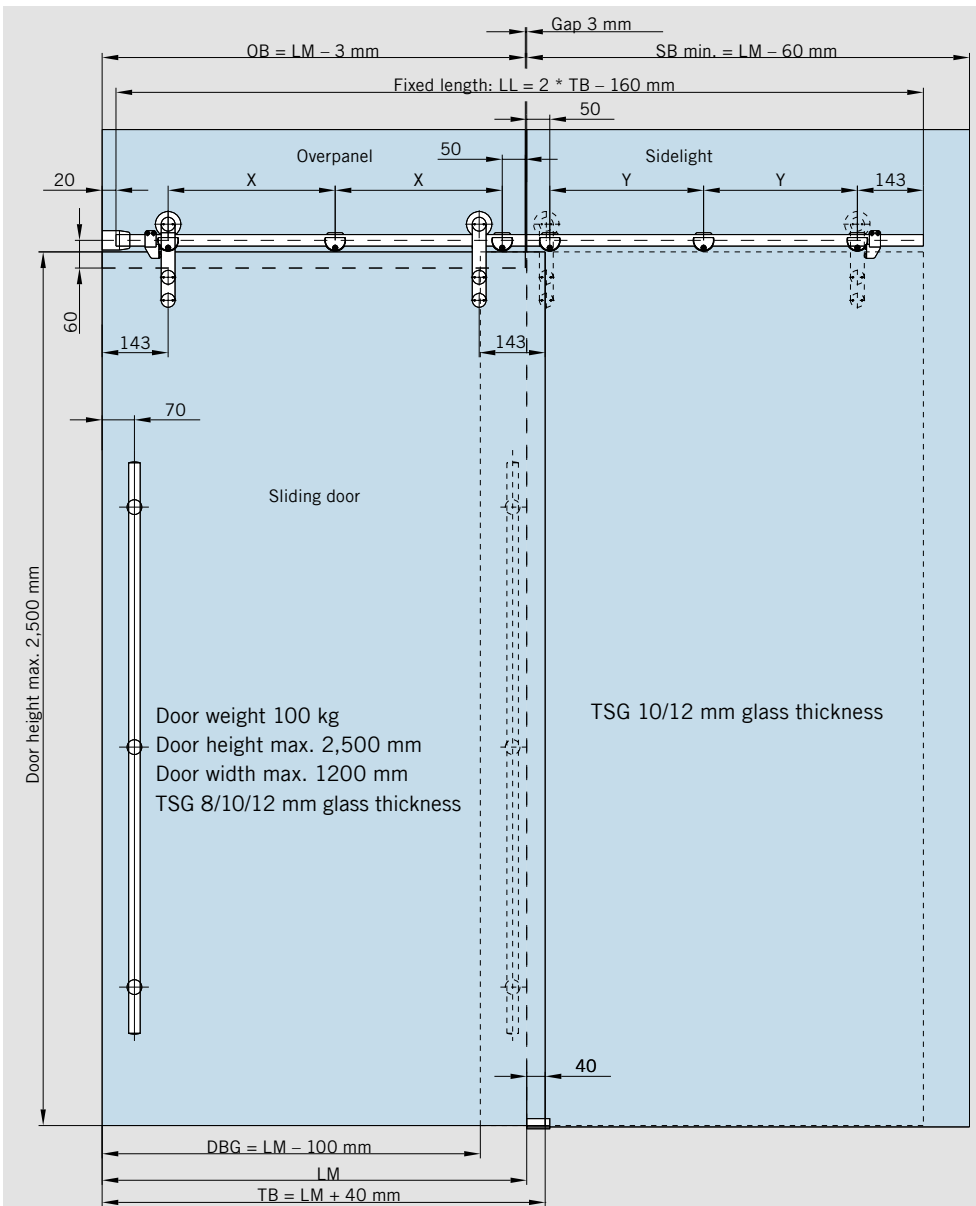
Sliding door MANET COMPACT for installation at glass, one side attached to masonry,



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 fixing



- LM = Daylight opening
- TB = Door width
- DBG = Entry width
- SBmin. = min. sidelight width
- LL = Tubular track length
- X = Center distance between single-point fixings overpanel
 $(OB - 193) * 1/2$
- Y = Center distance between single-point fixings sidelight
 $Y = X - 29$
- OB = Overpanel width

**Sliding door MANET COMPACT for installation at glass, one side attached to masonry,
for sliding door 8 – 12 mm glass,
fixed element 10 – 12 mm glass**

Set 5.1 / Set 5.2

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

**Set 5.1
with single-point fixings
countersunk**

Art. No. 29.918

**Set 5.2
with clamping disc single-point
fixings**

Art. No. 29.919

Not covered by the set:

Tubular track inclusive end cups fixed length*

Art. No. 21.436

Tubular track inclusive end cups,
stock length 3,000 mm

Art. No. 21.527

Accessory options for Set 5.1 / Set 5.2

Pull handles / Recessed pull grip

Pull handles	Length 350 mm	Art. No. 29.268	Art. No. 21.240
	Length 720 mm	Art. No. 29.271	Art. No. 21.241
	Length 1,240 mm	Art. No. 29.274	Art. No. 21.242
	Length 1,760 mm	Art. No. 29.277	Art. No. 21.243
Pair of pull handles	Length 350 mm	Art. No. 21.267	
	Length 720 mm	Art. No. 21.270	
	Length 1,240 mm	Art. No. 21.273	
	Length 1,760 mm	Art. No. 21.276	
Recessed pull grip Ø 60 mm	for 8/10/12 mm glass	Art. No. 21.291	
Recessed pull grip with grip hole Ø 60 mm	for 8 mm glass	Art. No. 21.292	
	for 10 mm glass	Art. No. 21.293	
	for 12 mm glass	Art. No. 21.294	
Door knob back-to-back	for 8 – 12 mm glass	Art. No. 21.423	
Door knob one side fixing	for 8 – 12 mm glass	Art. No. 21.422	Art. No. 21.426

Corner lock

Corner lock	Art. No. 21.448		
Corner lock with rose on one lock side	Art. No. 29.449		
Profile cylinder for corner lock 21.448/449	Art. No. 14.206		
Eccentric bushing for corner lock 21.448/449	Art. No. 05.194		

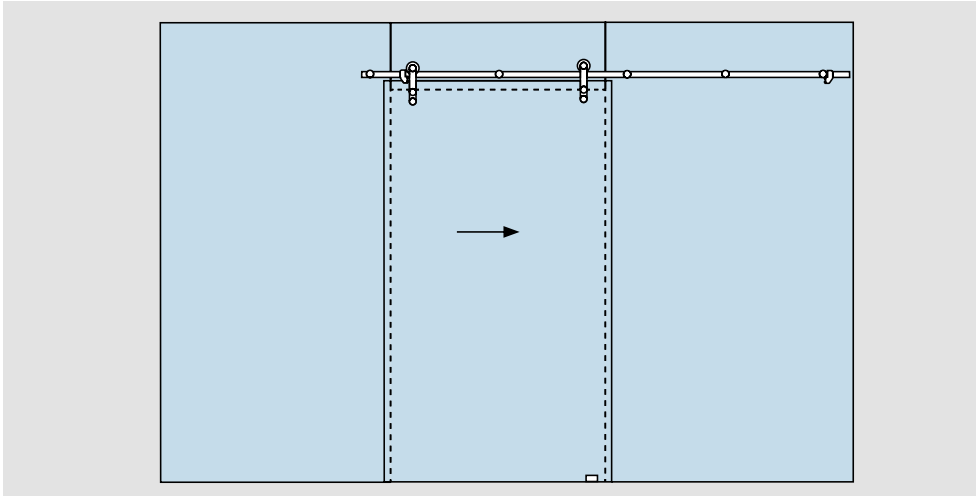
Further accessories

Aluminum guide rail with brush seals	stock length 3,000 mm	Art. No. 21.432	
	stock length 6,000 mm	Art. No. 21.430	
		Art. No. 29.337	Art. No. 29.338
Ceiling connector (bearing function)		Art. No. 29.337	Art. No. 29.338
Assembling tool for MANET single-point fixing	Art. No. 21.134		

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

SET 6.1/6.2

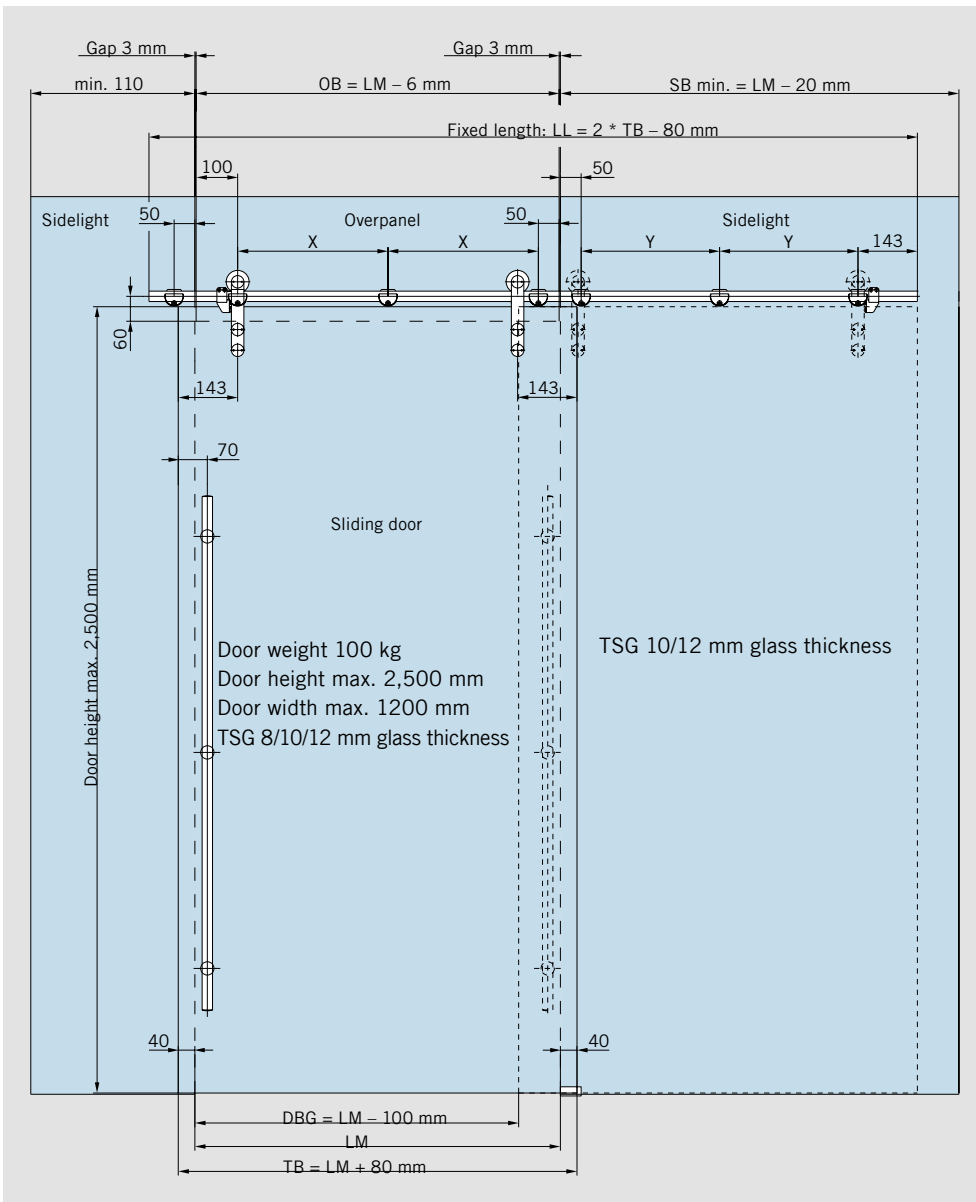
Sliding door MANET COMPACT for installation at glass, sidelights on both sides,



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 fixing



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

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

**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

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

**Set 6.1
with single-point fixings
countersunk**

Art. No. 29.920

**Set 6.2
with clamping disc single-point
fixings**

Art. No. 29.921

Not covered by the set:

Tubular track inclusive end cups fixed length*

Art. No. 21.436

Tubular track inclusive end cups,
stock length 3,000 mm

Art. No. 21.527

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

Pull handles	Length 350 mm	Art. No. 29.268	Art. No. 21.240
	Length 720 mm	Art. No. 29.271	Art. No. 21.241
	Length 1,240 mm	Art. No. 29.274	Art. No. 21.242
	Length 1,760 mm	Art. No. 29.277	Art. No. 21.243
Pair of pull handles	Length 350 mm	Art. No. 21.267	
	Length 720 mm	Art. No. 21.270	
	Length 1,240 mm	Art. No. 21.273	
	Length 1,760 mm	Art. No. 21.276	
Recessed pull grip Ø 60 mm	for 8/10/12 mm glass	Art. No. 21.291	
Recessed pull grip with grip hole Ø 60 mm	for 8 mm glass	Art. No. 21.292	
	for 10 mm glass	Art. No. 21.293	
	for 12 mm glass	Art. No. 21.294	
Door knob back-to-back	for 8 – 12 mm glass	Art. No. 21.423	
Door knob one side fixing	for 8 – 12 mm glass	Art. No. 21.422	Art. No. 21.426
Corner lock			
Corner lock		Art. No. 21.448	
Corner lock with rose on one lock side		Art. No. 29.449	
Profile cylinder for corner lock 21.448/449		Art. No. 14.206	
Eccentric bushing for corner lock 21.448/449		Art. No. 05.194	
Further accessories			
Aluminum guide rail with brush seals			
	stock length 3,000 mm	Art. No. 21.432	
	stock length 6,000 mm	Art. No. 21.430	
Ceiling connector (bearing function)		Art. No. 29.337	Art. No. 29.338
Assembling tool for MANET single-point fixing		Art. No. 21.134	

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

MANET CONCEPT

Sliding door system

98

Roller carrier

99

Track rail

100 – 107

Glass preparation

110 – 111

Accessories

108 – 109, 132 – 150

Safety-related information

151



All elements up to and 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), especially 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.



Winner of the red dot design award 2002

SLIDING DOOR SYSTEM

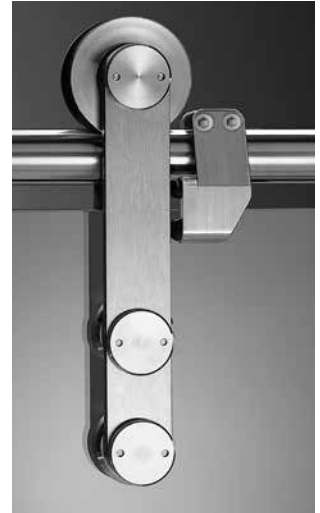
The MANET sliding door system is ideal as an elegant addition complementing high-style interior concepts. Its main components take the form of a solid track rail and the roller carrier. Whether you prefer the TREND or CLASSIC versions, both can be combined with the solid track or a tubular track. The 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.

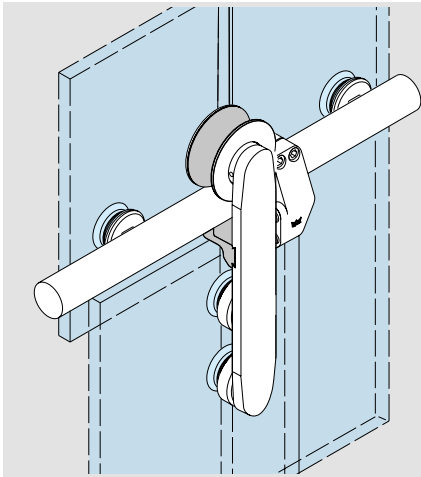


Roller carrier TREND

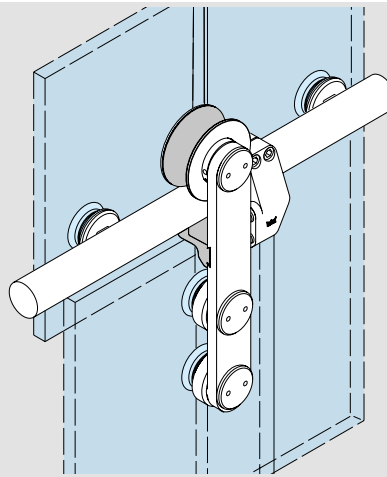


Roller carrier CLASSIC

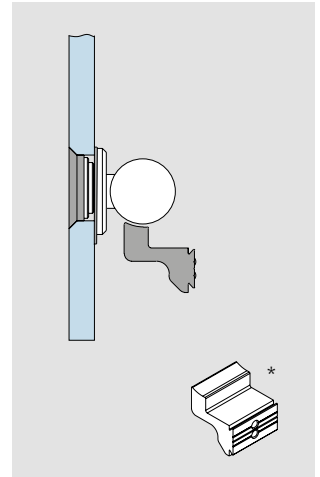
Glass connection with drilled solid tracks



Roller carrier TREND

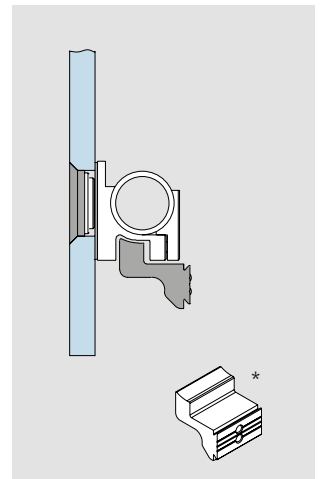
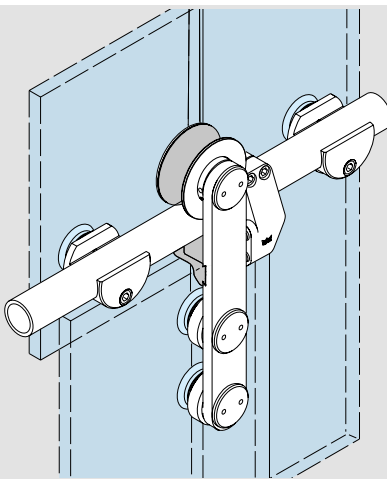
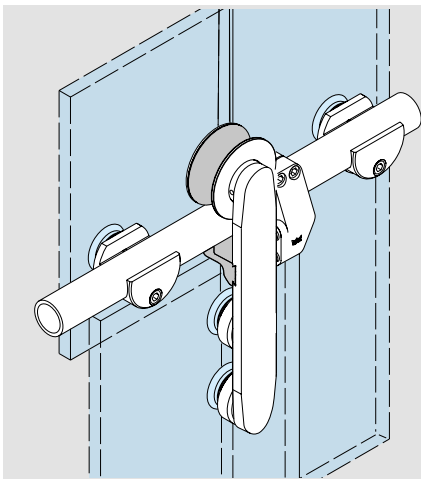


Roller carrier CLASSIC

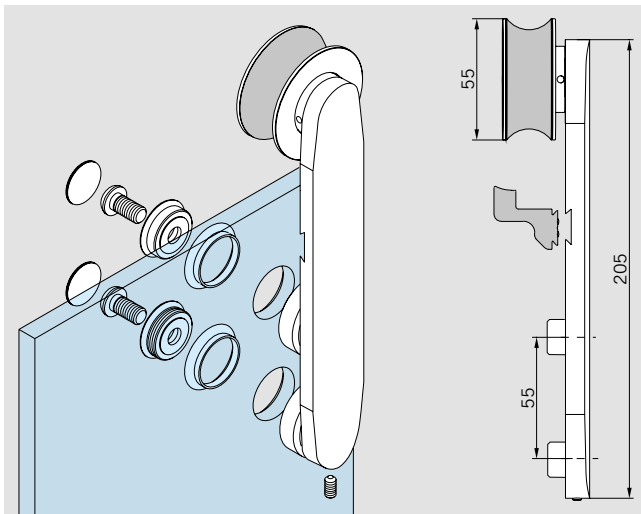


*Towards securing the panel an accordant anti-jump device for solid and tubular tracks will be used.

Glass connection with clamp fixing and tubular tracks

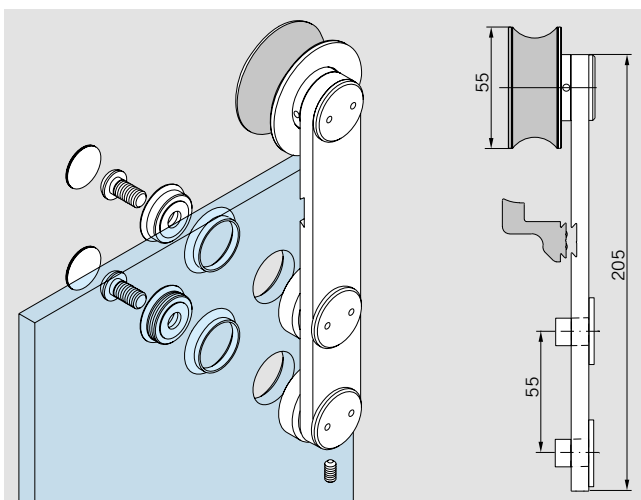


ROLLER CARRIER



Roller carrier TREND
incl. anti-jump device
only lug with roller

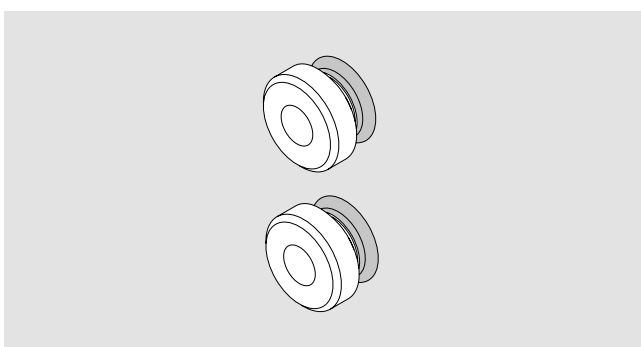
Art. No. 29.424



Roller carrier CLASSIC
incl. anti-jump device
only lug with roller
AISI 316L

Art. No. 29.422

Art. No. 29.423



Single-point fixing
for roller carrier, 2 pcs. each
countersunk 8 – 12 mm glass

Art. No. 29.430

AISI 316L

Art. No. 29.431

clamping disc 8 – 12 mm glass

Art. No. 29.432

AISI 316L

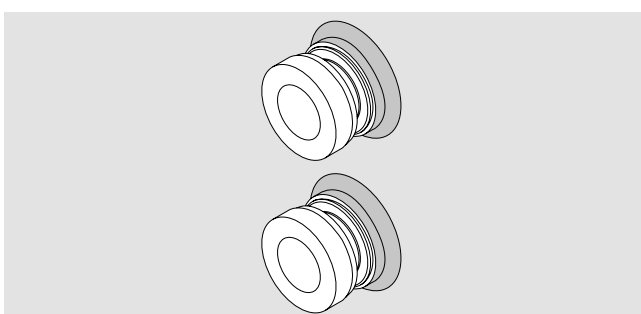
Art. No. 29.433

countersunk for
13.5 – 17.5 mm glass

Art. No. 29.435

countersunk for 19 mm glass

Art. No. 29.437



Single-point fixings
for roller carrier at timber,
2 pcs. each
countersunk for 20 – 40 mm
timber

Art. No. 29.510

clamping disc for 20 – 40 mm
timber

Art. No. 29.520

SOLID TRACK

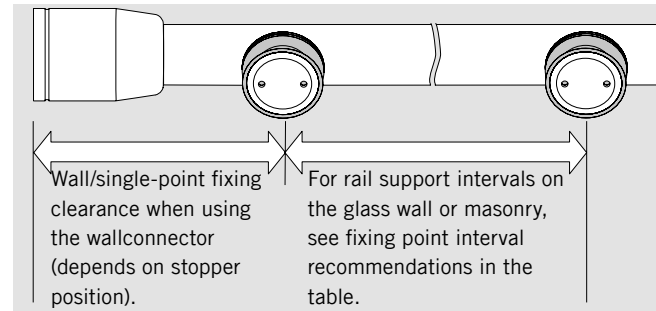
Track supply and installation

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

Fixing screws for wall installation by others

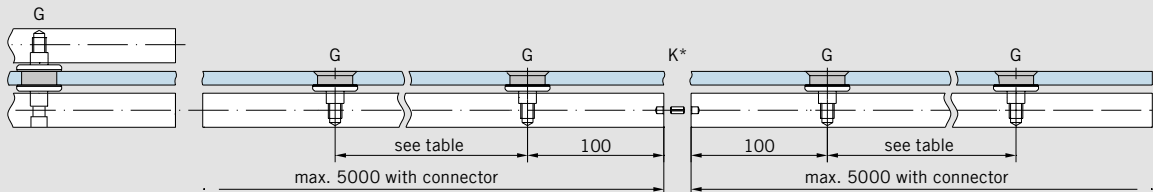
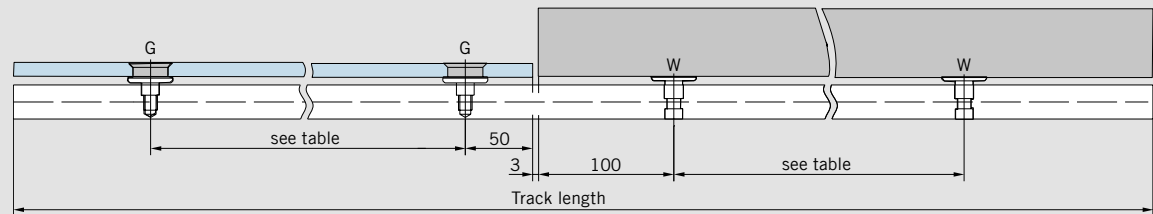
Of decisive importance for pre-fabrication and fixing to glass partitions is that the mounting points coincide with the holes drilled in the glass. The lengthwise tolerances should not be greater than ± 0.3 mm.

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

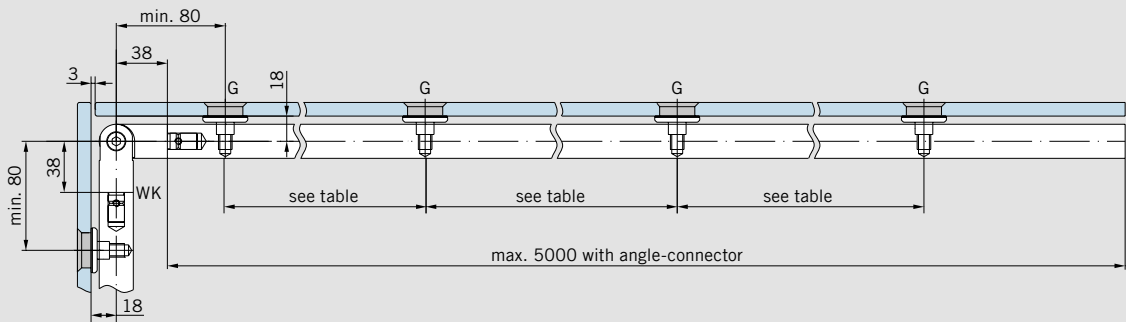


Required dimensions for the track production

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



* Note: Ensure that track joints and glass joints do not coincide.



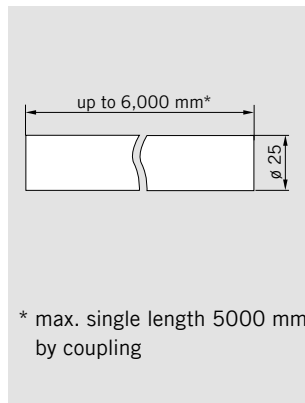
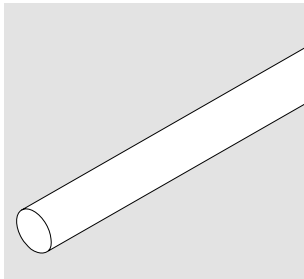
Recommended distance of the track fixing points

Door height in mm	Door width in mm																							
	700			800			900			1000			1100			1200			1300			1400		
	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	Glass thckn. mm	
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	-

SOLID TRACK AND ACCESSORIES

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

Art. No. 21.405

AISI 316L

Art. No. 21.456

for fixing at wall
up to 6,000 mm

Art. No. 21.406

AISI 316L

Art. No. 21.457

Track, undrilled
for fixing with clamp brackets
fixed length up to 6,000 mm

Art. No. 21.407

Also for AISI 316L

Art. No. 21.458

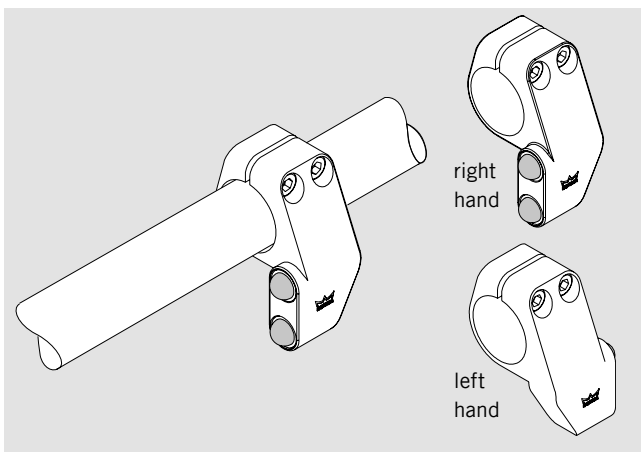
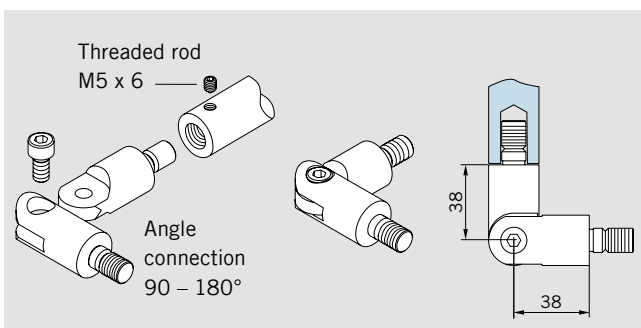
Connectors

offset for tracks 90 – 180°

Art. No. 21.442

Also for AISI 316L

Art. No. 21.443



Door stop

left hand

Art. No. 29.425

AISI 316L

Art. No. 29.427

right hand

Art. No. 29.426

AISI 316L

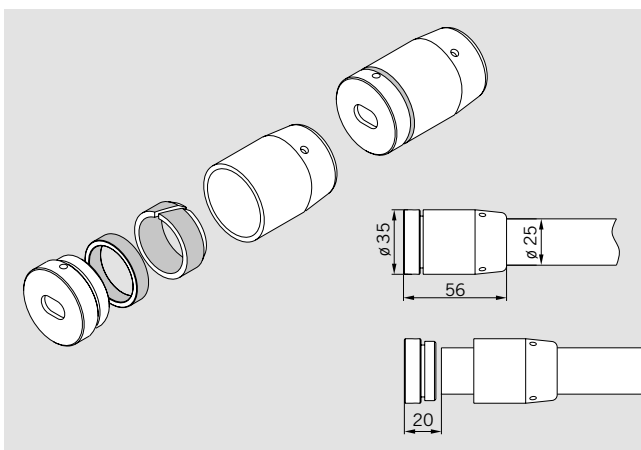
Art. No. 29.428

Wall fixing for tubular track / solid track

Art. No. 29.445

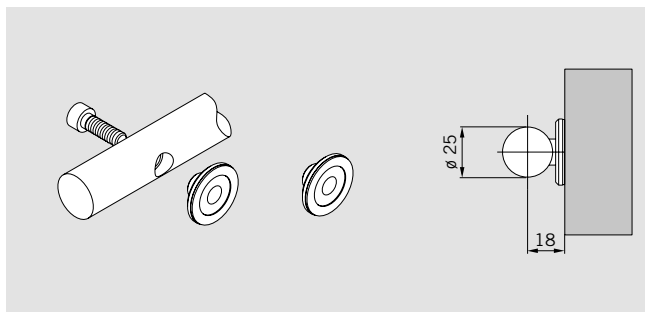
AISI 316L

Art. No. 29.446



SOLID TRACK AND ACCESSORIES

Solid track fixing at wall



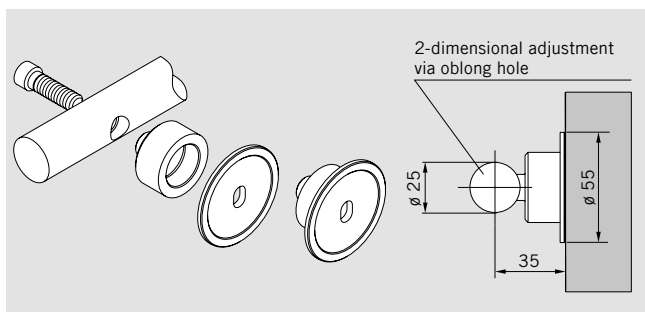
Flange for fixing the track at wall

AISI 316L

Art. No. 21.346

Art. No. 21.347

Solid track fixing at wall, adjustable



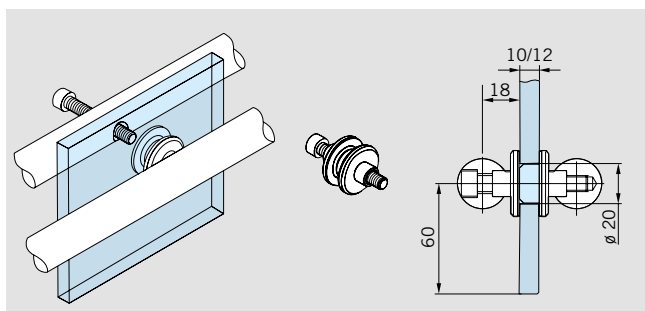
Flange for fixing the track at wall, adjustable

Adjustment + 5 mm

Note: min. distance glass to wall 32 mm

Art. No. 21.412

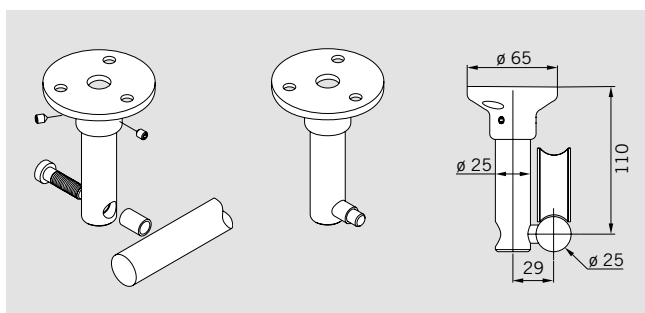
Fixing a double track



Fixing for double track

Art. No. 21.170

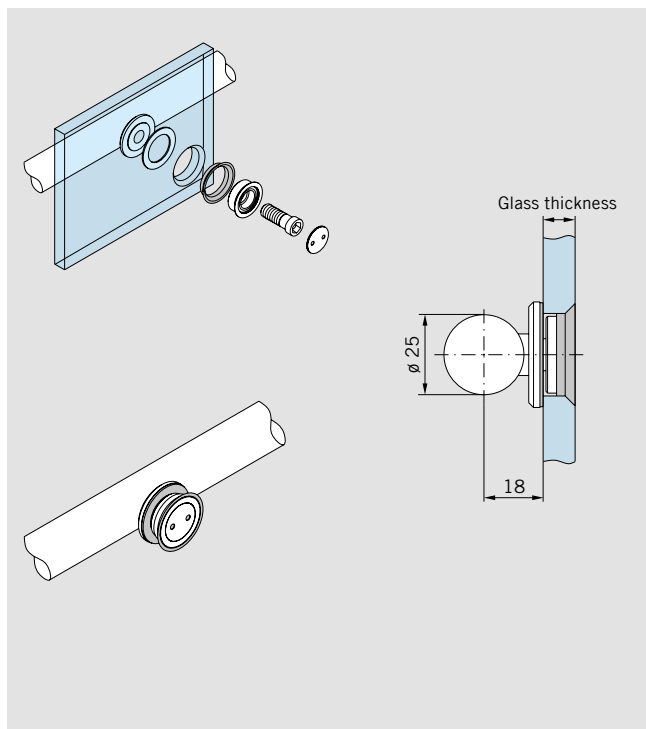
Solid track fixing at ceiling



Ceiling retainer for track carrying function

Art. No. 21.315

Single-point fixing for solid track fixing at glass



for X = 20 – 30 mm
Single-point fixing,

countersunk, fixed Art. No. 29.460
for 10/12 mm glass

AISI 316L Art. No. 29.461

for 13.5 – 15.5 mm glass Art. No. 29.450

for 17.5 mm glass Art. No. 29.451

clamping disc, fixed Art. No. 29.465
for 10/12 mm glass

AISI 316L Art. No. 29.466

countersunk, centering Art. No. 29.462
for 10/12 mm glass

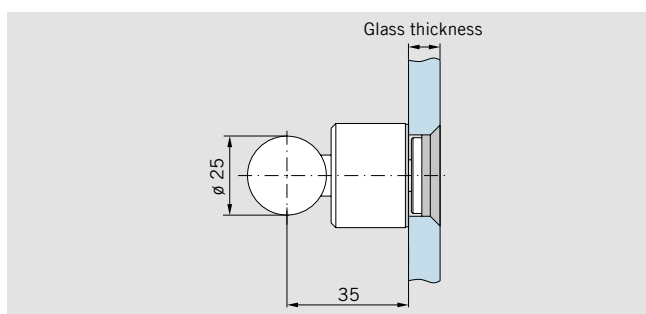
AISI 316L Art. No. 29.463

for 13.5 – 15.5 mm glass Art. No. 29.455

for 17.5 mm glass Art. No. 29.456

clamping disc, centering Art. No. 29.467
for 10/12 mm glass

AISI 316L Art. No. 29.468

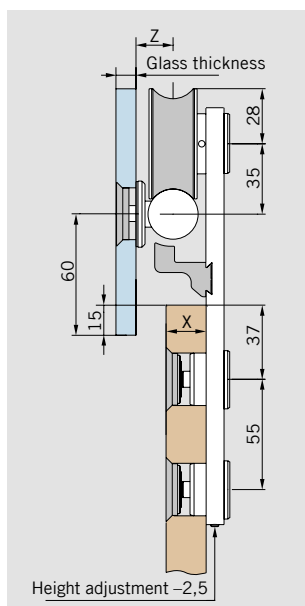


for X = 35 – 40 mm
Single-point fixing,

countersunk, fixed Art. No. 29.530
for 10/12 mm glass

countersunk, centering Art. No. 29.531
for 10/12 mm glass

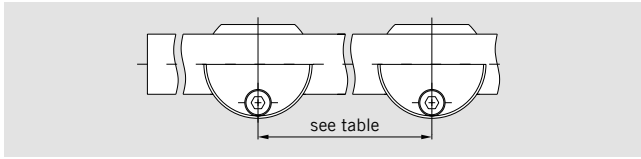
Selection guide, solid track fixing for timber doors



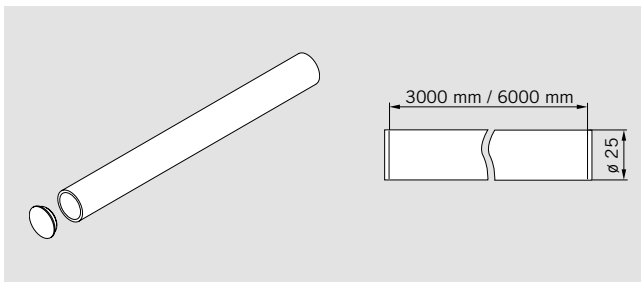
X	Z	max. door weight kg	to glass 10/12 mm		to wall		
			Single-point fixing fixed for track Art. No.	Single-point fixing centering for track Art. No.	Flange for track Art. No.		
20 – 30	18.5	120	countersunk 29.460	clamping disc 29.465	countersunk 29.462	clamping disc 29.467	21.346
35 – 40	35	100	29.530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

TUBULAR TRACKS AND ACCESSORIES

Recommended distance of the track fixing points



Door height in mm	Door width in mm																										
	700			800			900			1000			1100			1200			1300			1400					
	Glass thickn. mm			Glass thickn. mm			Glass thickn. mm			Glass thickn. mm			Glass thickn. mm			Glass thickn. mm			Glass thickn. mm			Glass thickn. mm					
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
1,900	350	350	350	400	400	400	450	450	450	500	500	500	550	550	530	600	550	520	590	550	510	580	540	510	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	570	530	500
2,100	350	350	350	400	400	400	450	450	450	500	500	500	550	530	500	570	530	500	560	520	490	560	520	490	560	520	490
2,200	350	350	350	400	400	400	450	450	450	500	500	500	550	520	490	550	510	480	550	510	480	540	500	470	540	500	470
2,300	350	350	350	400	400	400	450	450	450	500	500	500	550	510	480	540	500	470	540	500	470	530	490	460	530	490	460
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	450	520	480	450
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	440	510	470	440



Tubular track

incl. end plugs
stock length 3,000 mm

Art. No. 21.527

AISI 316L

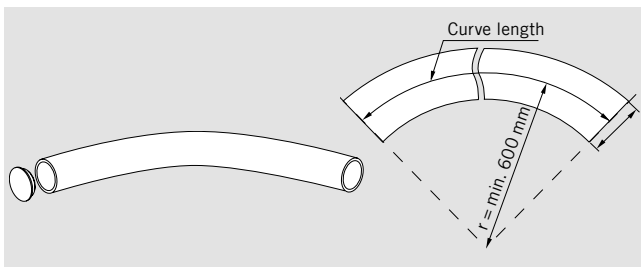
Art. No. 21.530

Fixed length up to 6,000 mm

Art. No. 21.436

AISI 316L

Art. No. 21.532

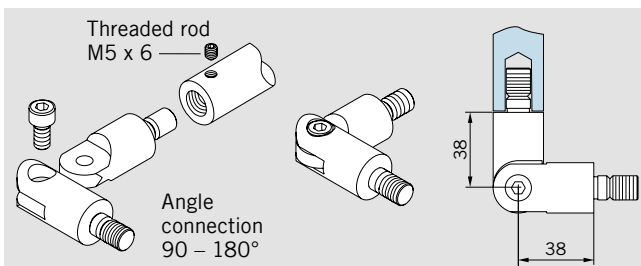


Tubular track

bent, incl. end plugs
max. curve length 2600 mm
max. curve length 5600 mm

Art. No. 21.409

Art. No. 21.413

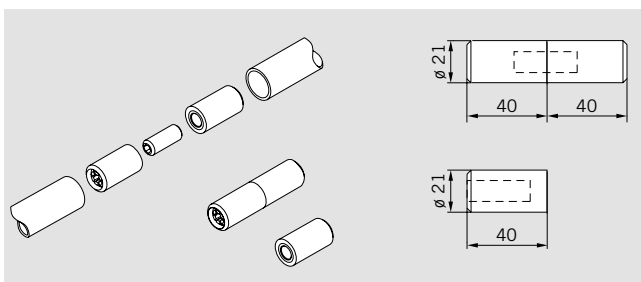


Angled connection for tubular track, 90° – 180°

Art. No. 21.535

Angle connection for tubular track

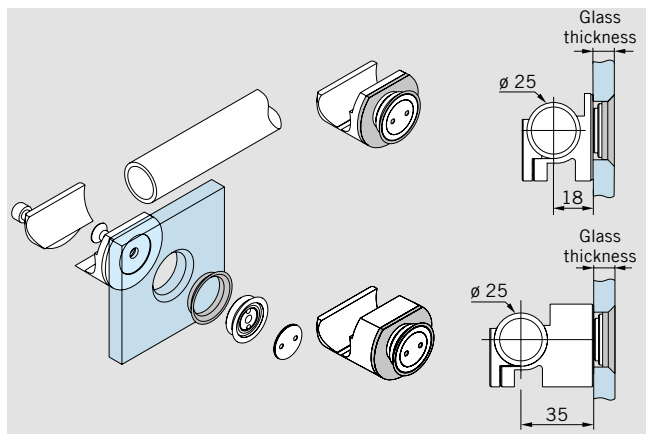
Art. No. 29.506



Thread insert for tubular track

Art. No. 29.505

Tubular track fixing at glass



Clamp fixing

for tubular track at glass
single-point fixing countersunk* **Art. No. 29.176**

AISI 316L **Art. No. 29.185**

single-point fixing, clamping disc* **Art. No. 29.177**

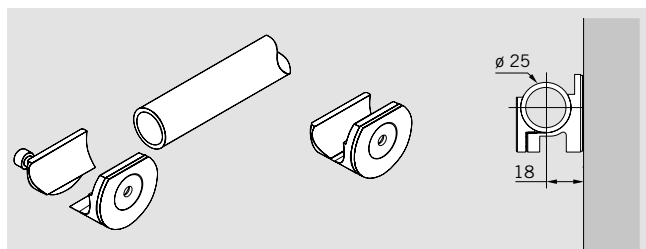
AISI 316L **Art. No. 29.186**

16 mm extended
single-point fixing countersunk* **Art. No. 29.179**

single-point fixing, clamping disc* **Art. No. 29.180**

* for 10, 12 and 13.5 mm glass

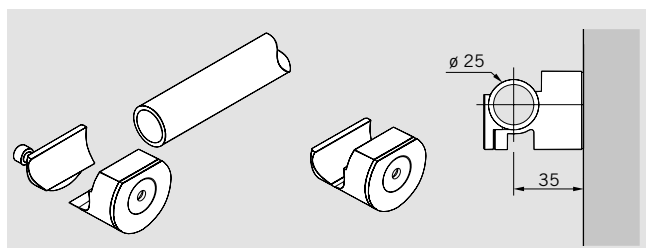
Tubular track fixing at wall



Clamp fixing

for tubular track at wall **Art. No. 29.175**

AISI 316L **Art. No. 29.184**

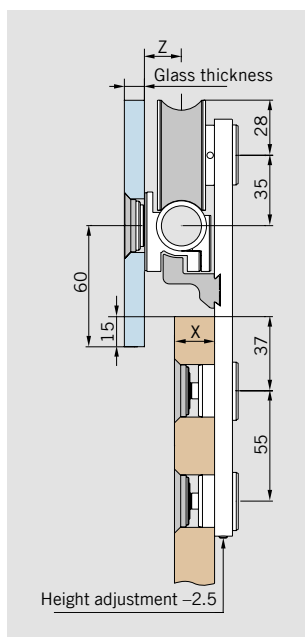


Clamp fixing

for tubular track at wall
16 mm extended **Art. No. 29.178**

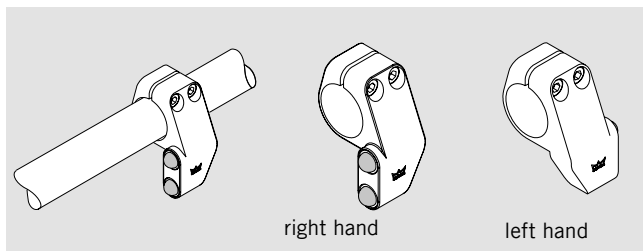
AISI 316L **Art. No. 29.187**

Selection guide, tubular track fixing for timber doors



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

TUBULAR TRACK AND ACCESSORIES



Door stop

left hand

Art. No. 29.425

AISI 316L

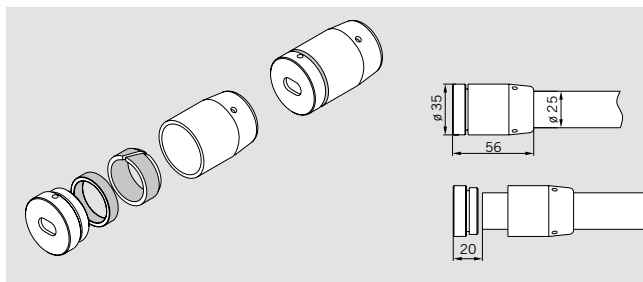
Art. No. 29.427

right hand

Art. No. 29.426

AISI 316L

Art. No. 29.428



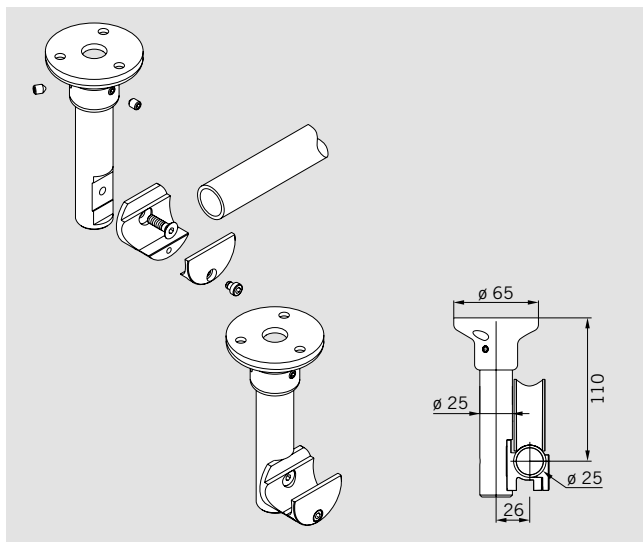
Wall fixing for tubular track / solid track

Art. No. 29.445

AISI 316L

Art. No. 29.446

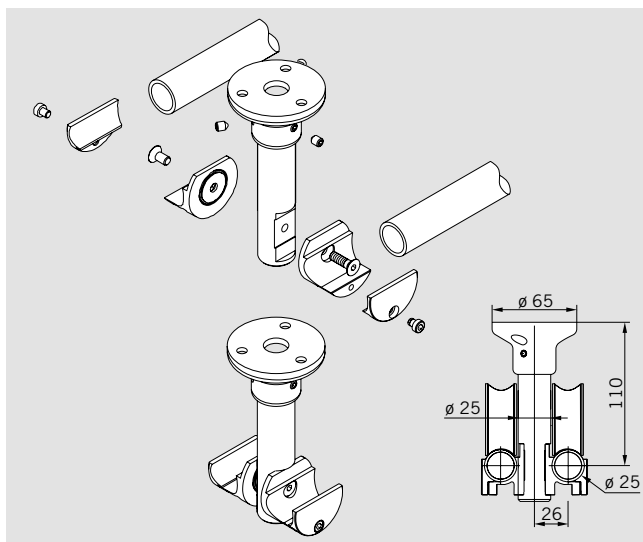
Tubular track fixing at ceiling



Ceiling retainer

for tubular track,
carrying function

Art. No. 21.316

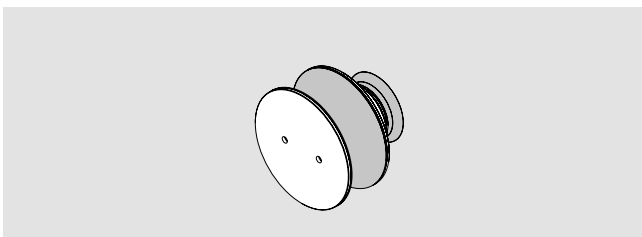
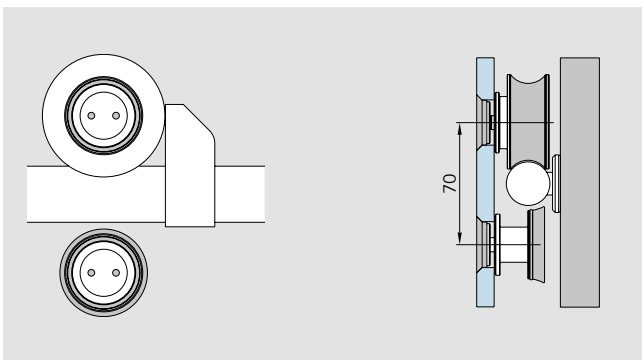
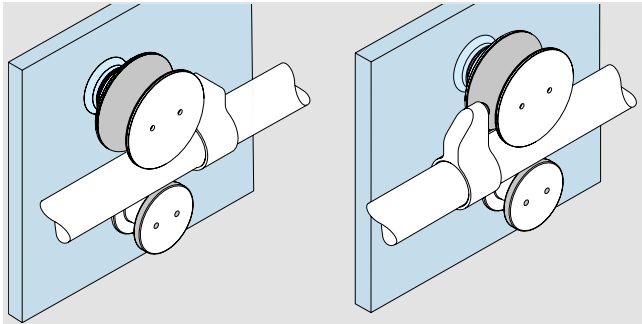


Ceiling retainer doubly

for tubular track,
carrying function

Art. No. 21.317

Roller at glass



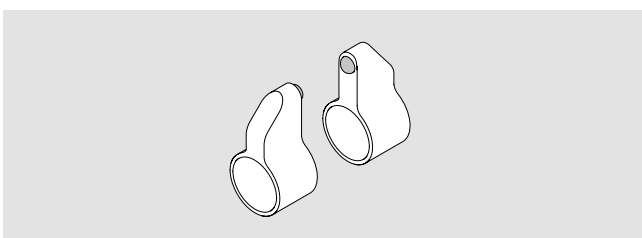
Roller at glass

for 8 – 12 mm glass,
countersunk

Art. No. 29.494

clamping disc

Art. No. 29.495



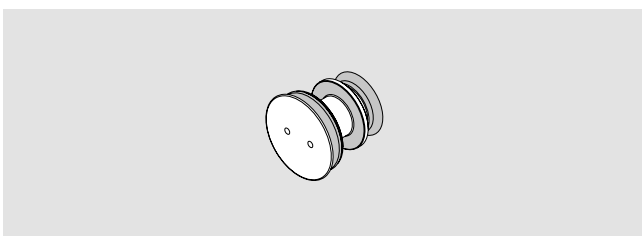
Door stop

for roller at glass,
left hand and right hand usable

Art. No. 29.493

AISI 316L

Art. No. 29.483



Anti-jump device

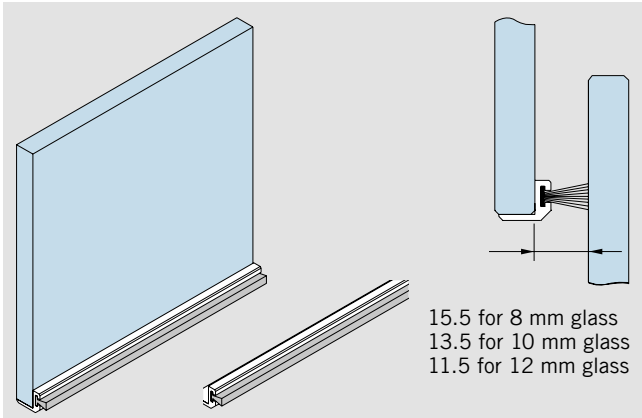
for roller at glass
for 8 – 12 mm glass,
countersunk

Art. No. 29.497

clamping disc

Art. No. 29.498

ACCESSORIES



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 8 mm glass
stock length 3,000 mm

Art. No. 07.402

fixed length up to 6,000 mm

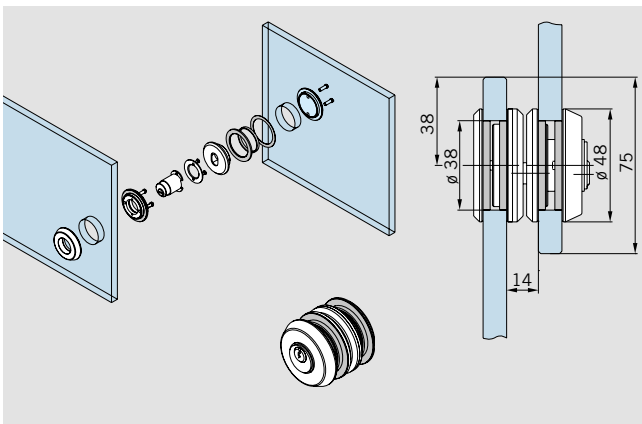
Art. No. 07.403

for 10/12 mm glass
stock length 3,000 mm

Art. No. 07.400

fixed length up to 6,000 mm

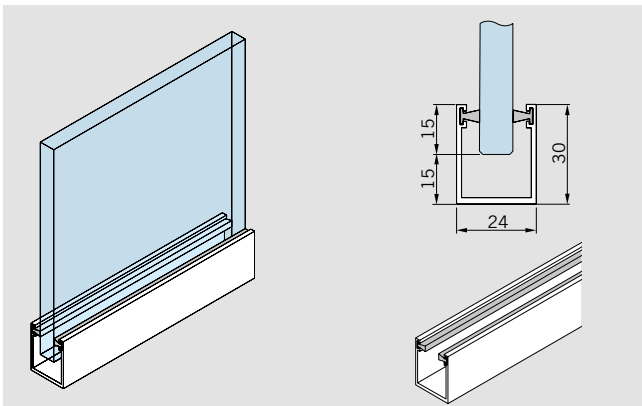
Art. No. 07.401



Sliding door lock with ratchet brace

Art. No. 21.446

for 8/10/12 mm glass
AISI 316L



Guide rail with brush seals

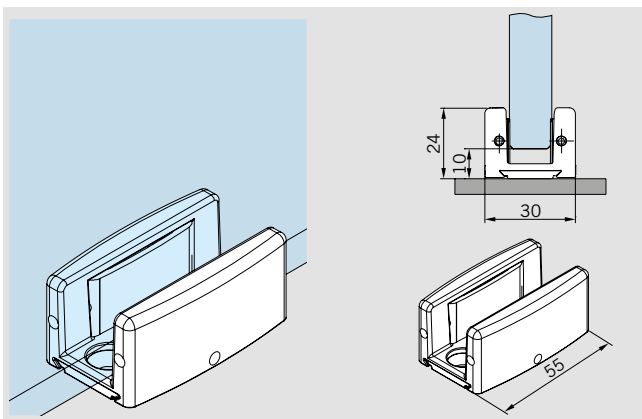
applicable for
8/10/12 mm glass

Aluminum mill finished
fixed length up to 6,000 mm

Art. No. 21.431

stock length 3,000 mm

Art. No. 21.432



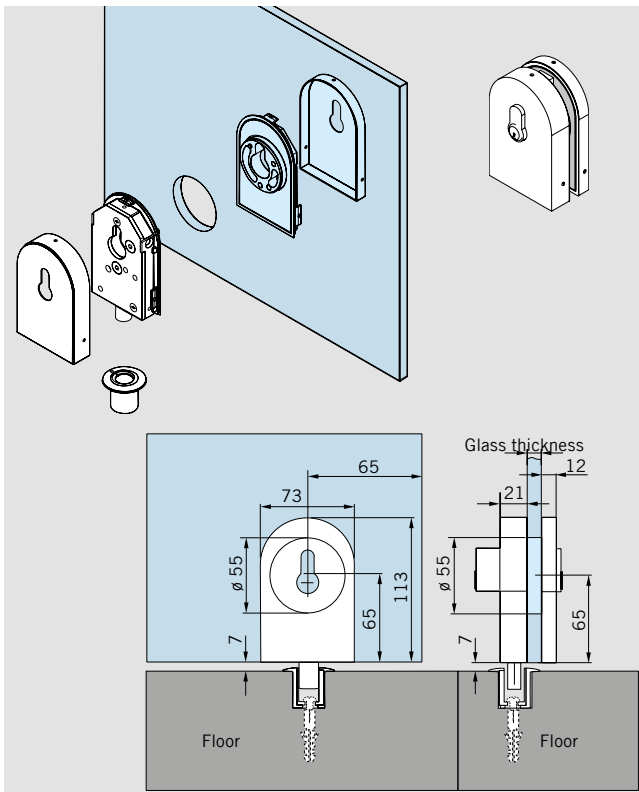
Floor guide

Art. No. 07.316

clamping disc,
applicable for
8/13.5 mm glass

Art. No. 07.316

Aluminum 113
(similar satin stainless steel)



Corner lock
for 8 – 12 mm glass,

Art. No. 21.448

Corner lock
with profile cylinder rose
on inside
for 8 – 12 mm glass

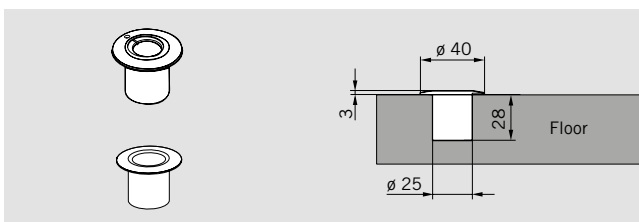
Art. No. 21.449

Dead lock for KABA
with rose on inside
for 8 – 12 mm glass

Art. No. 21.450

Profile cylinder
for corner lock

Art. No. 14.206

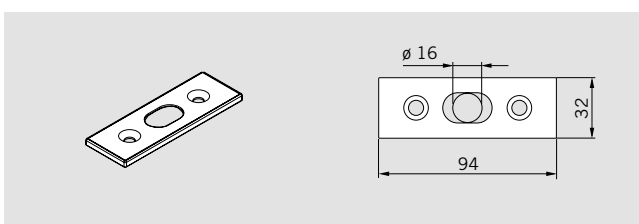


Eccentric bushing
for corner lock

Art. No. 05.194

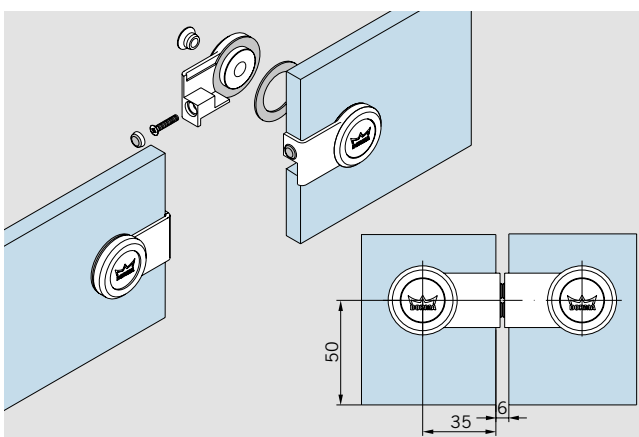
Bushing,
plastics

Art. No. 00.110



Strike plate

Art. No. 05.190



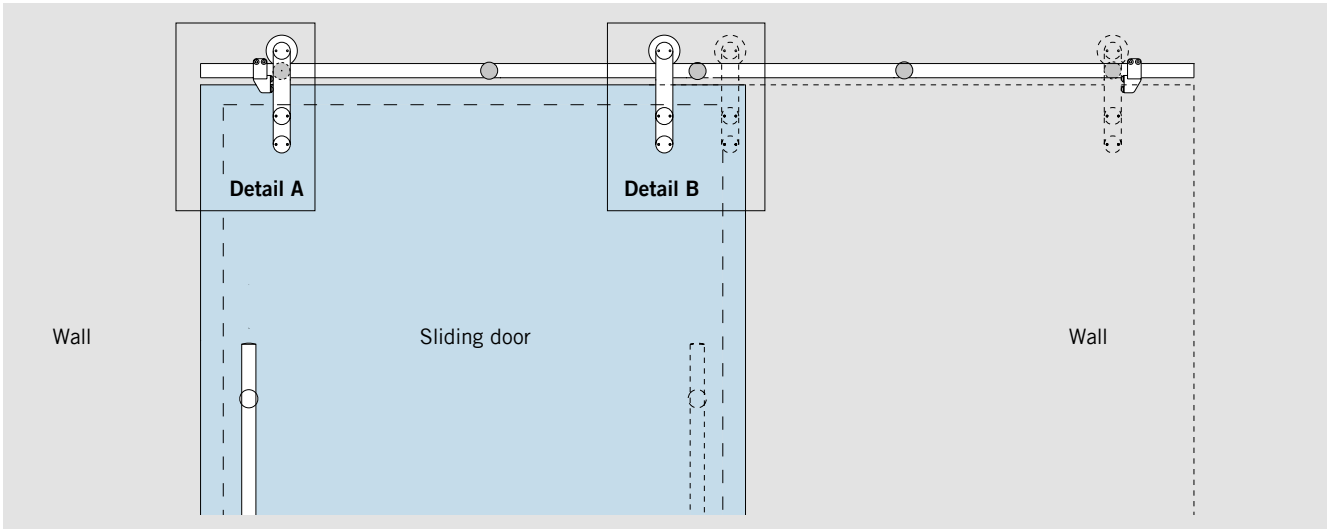
Door steady,
to prevent glass edges of
bi-parting double sliding doors

Art. No. 29.420

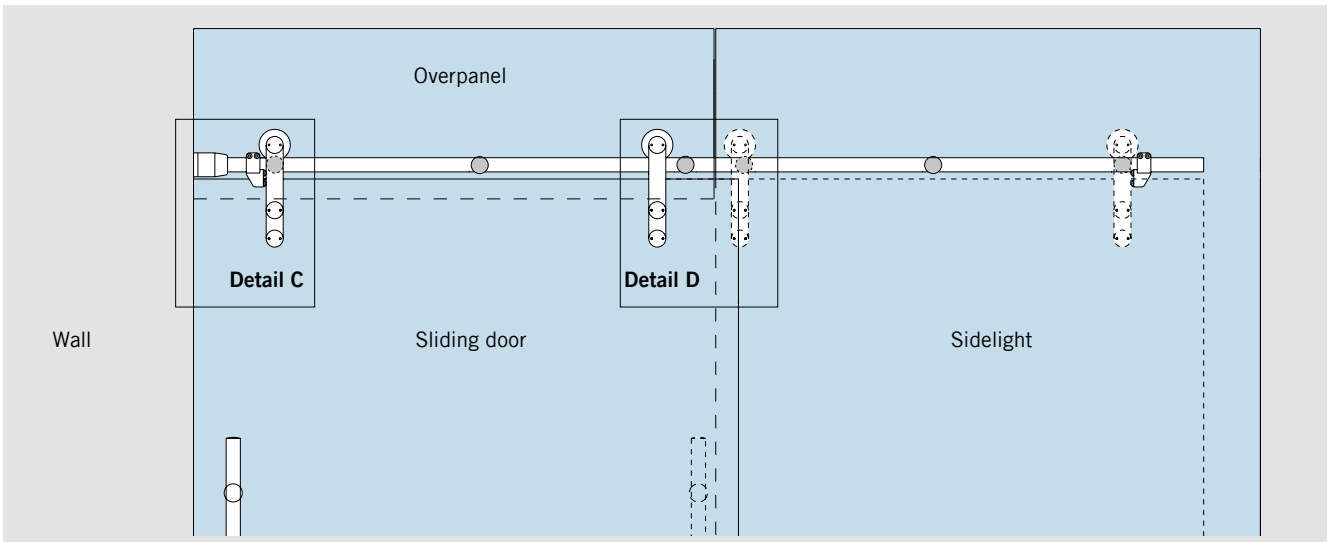
Please order our detail sheet
29-044-B for details of glass
preparations.

GLASS PREPARATION FOR SLIDING DOOR SYSTEM

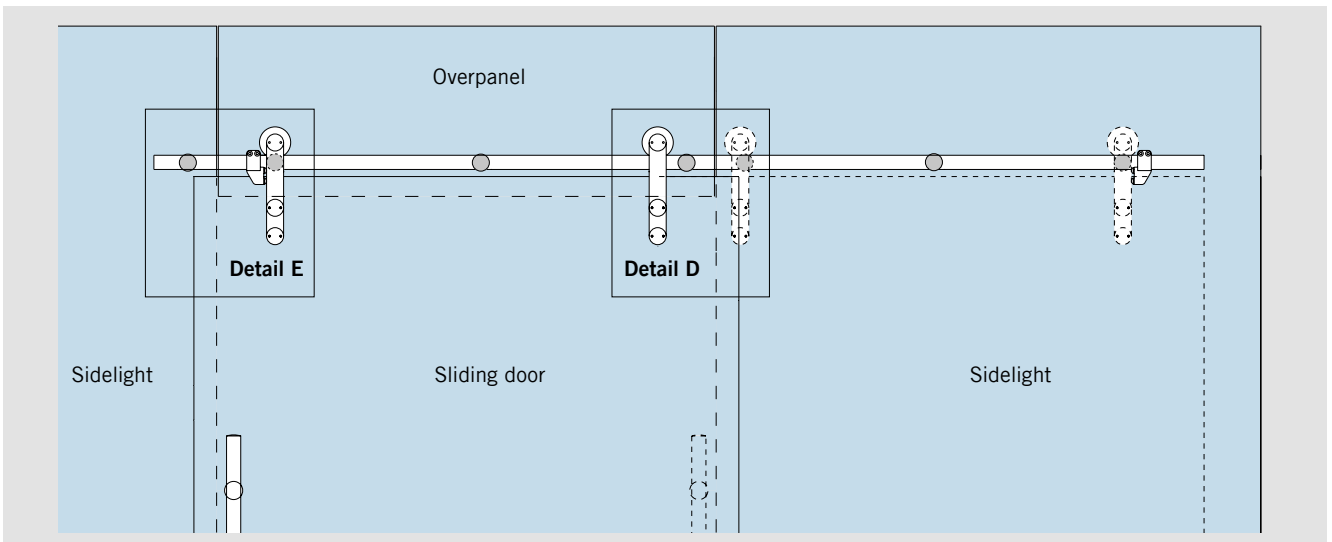
Sliding door to wall

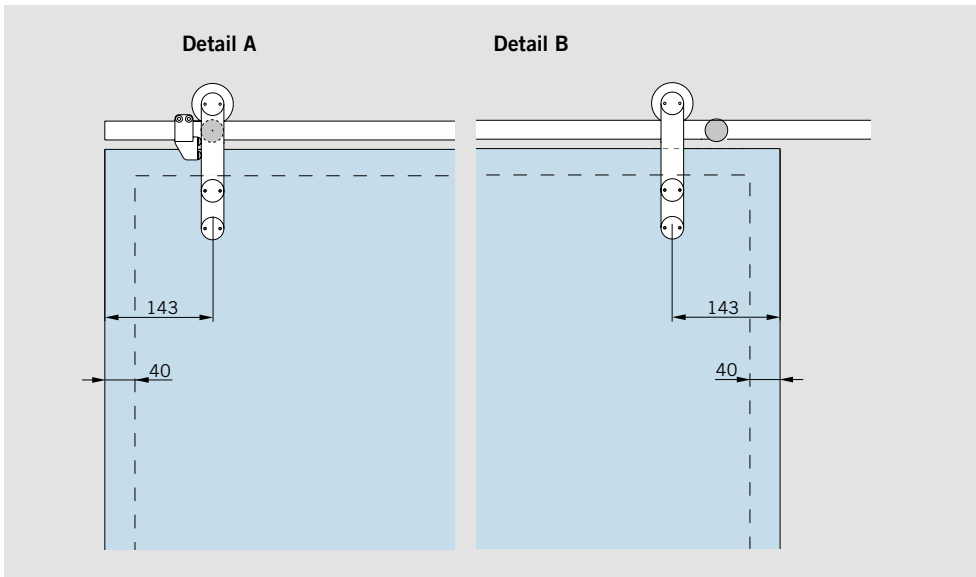


Sliding door with sidelight and overpanel

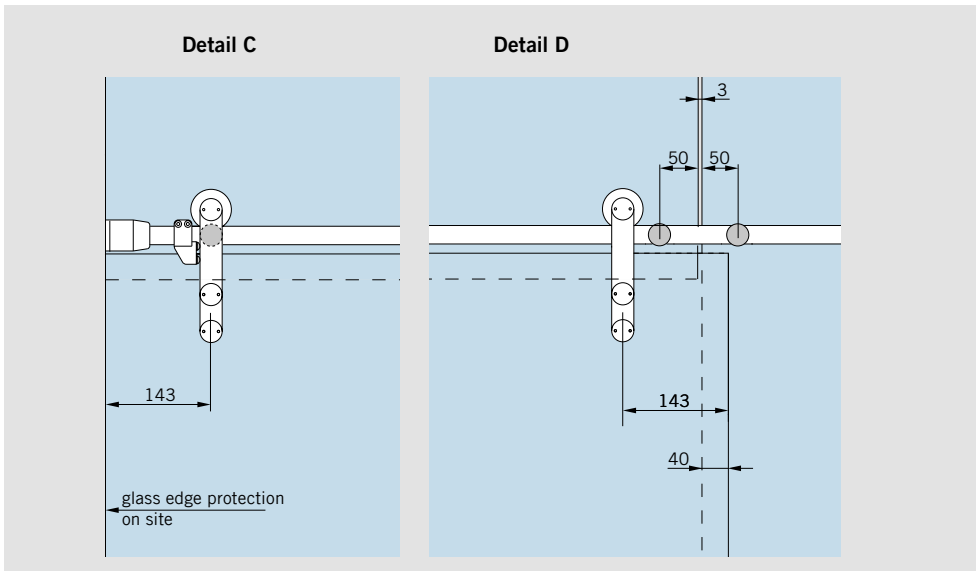
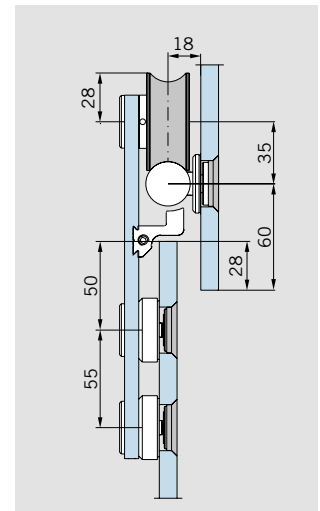


Sliding door with two sidelights and overpanel

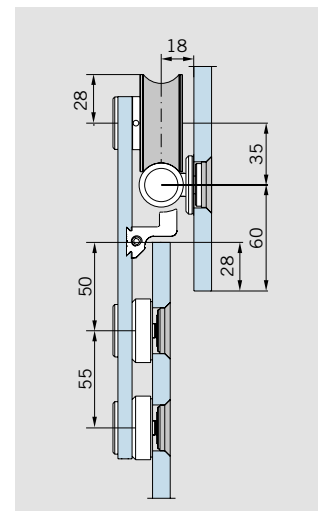




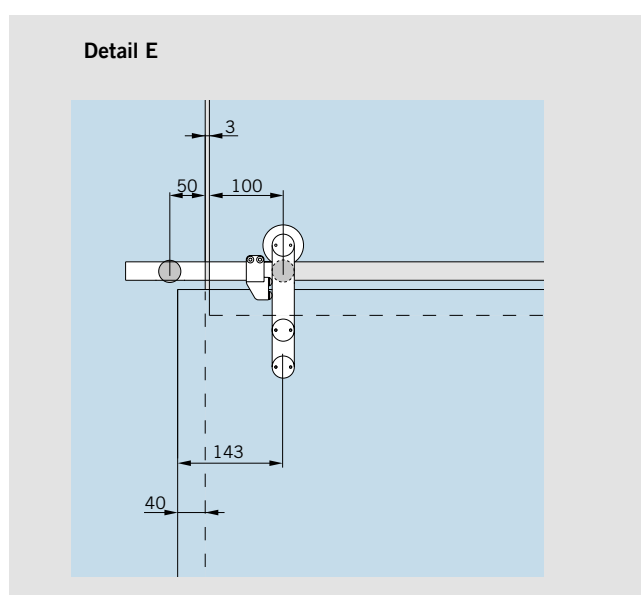
Sliding door with solid track



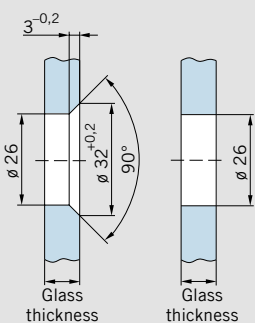
Sliding door with tubular track and clamp fixing



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



Countersunk bore for countersunk single-point fixings	Cylindrical bore for clamping disc single-point fixings
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MANET CONCEPT

Connection system

114 – 117

Glass preparation

118 – 119

Accessories

132 – 150

Safety-related information

151



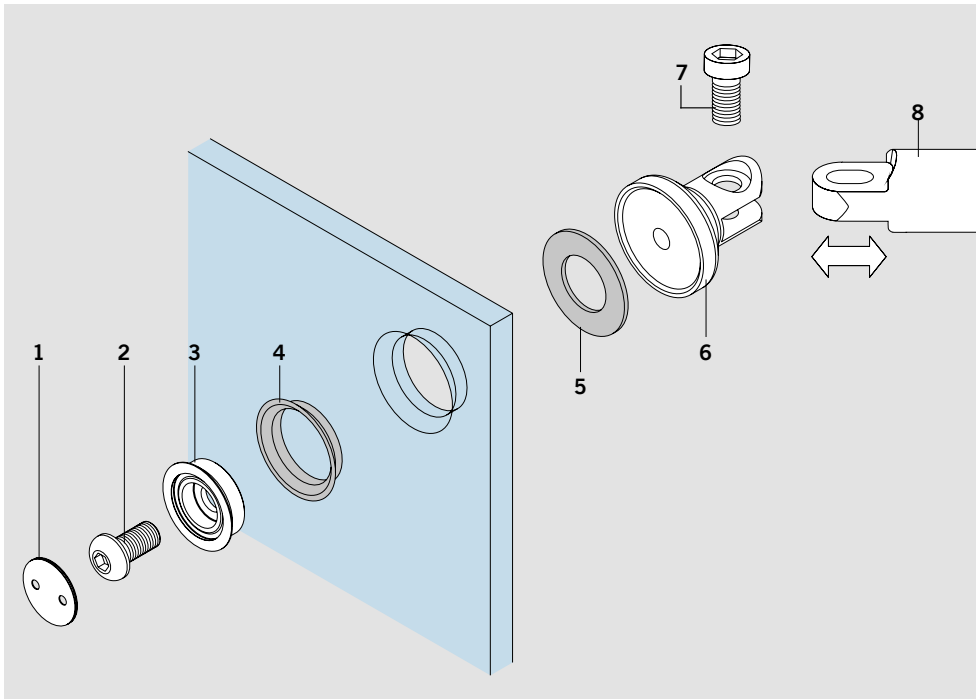
CONNECTION SYSTEM

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.

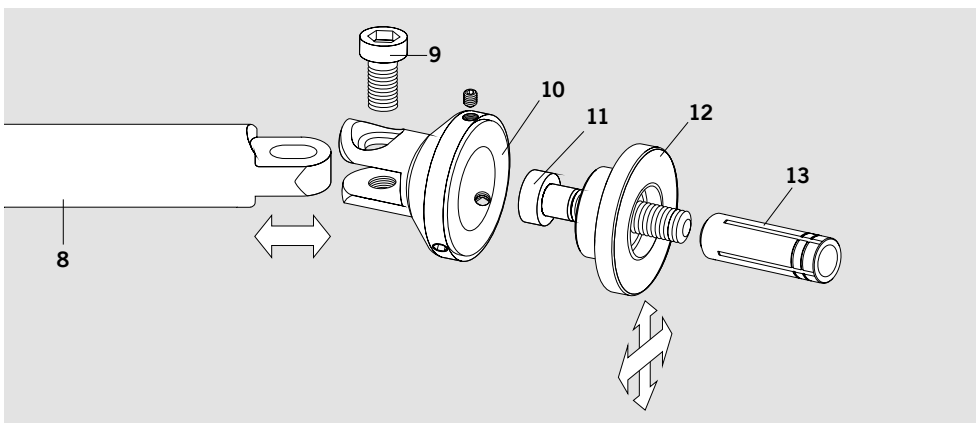
Glass fixing



Components

- 1 Clip-on cover
- 2 Connecting bolt
- 3 Conical collar
- 4 Conical sleeve
- 5 Gasket
- 6 Pivoting clamp
- 7 Connecting bolt
- 8 Connecting rod to suit length

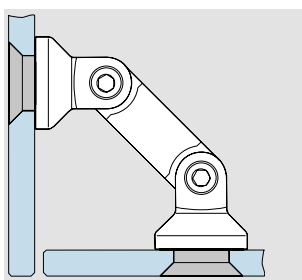
Wall fixing



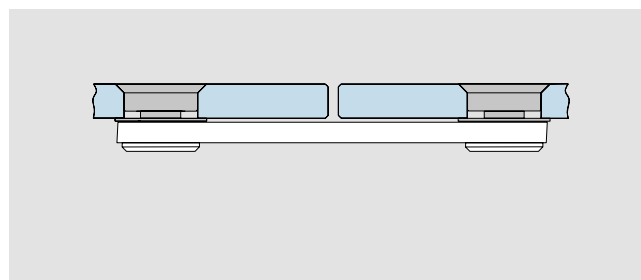
Components

- 9 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

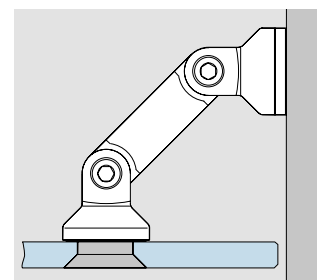
90° – 180° Glass / Glass



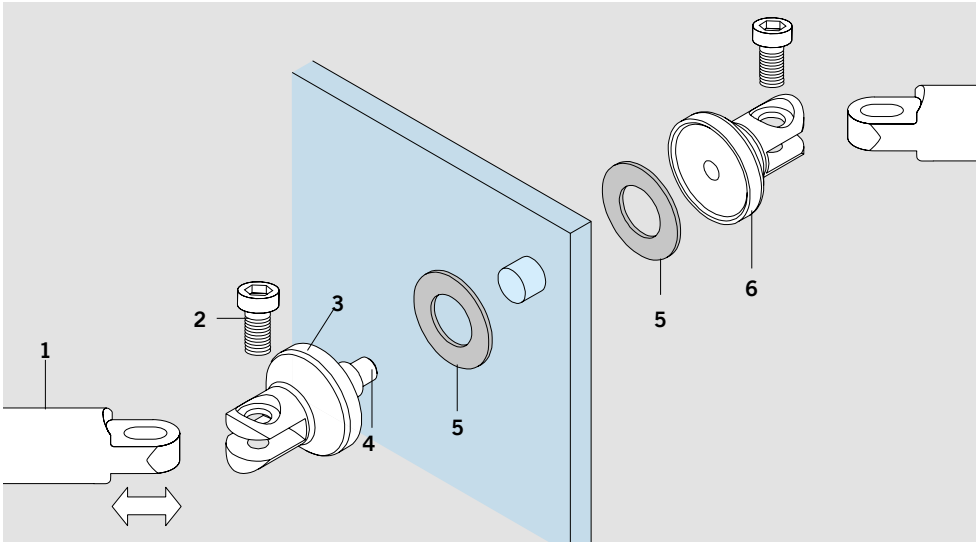
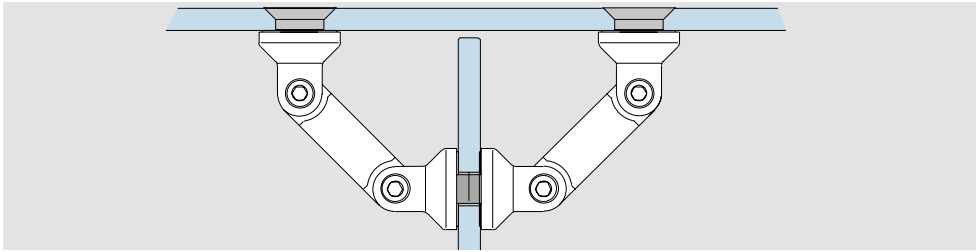
Glass / Glass Connector



90° – 180° Glass / Wall



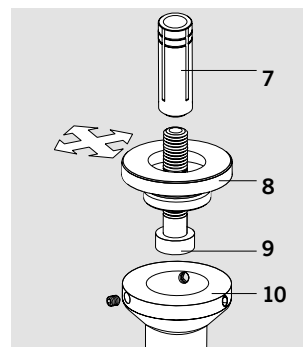
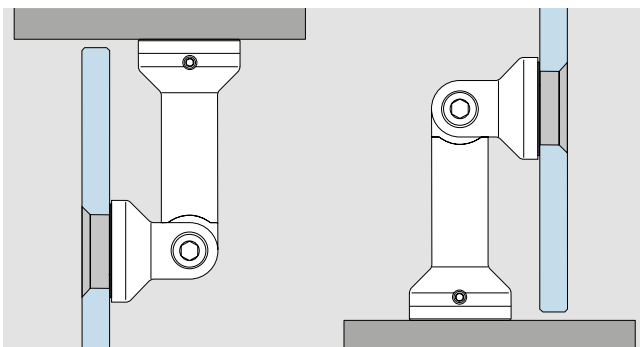
CLAMP CONNECTION GLASS



Components

- 1 Connecting rod or steel cable
- 2 Connecting bolt
- 3 Pivoting clamp
- 4 Connecting bolt
- 5 Gasket
- 6 Pivoting clamp

CONNECTION CEILING / FLOOR

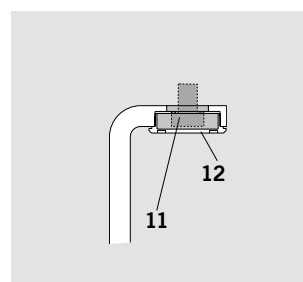
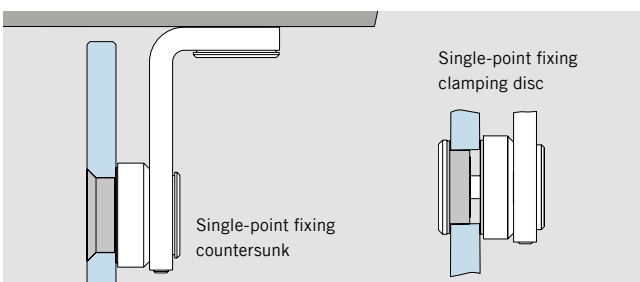


Components

- 7 Wallplug on site
- 8 Mounting plate, 2-dimensional adjustable
- 9 Threaded rod M8
- 10 Column

Ceiling suspension only permissible with bottom glass panel support.

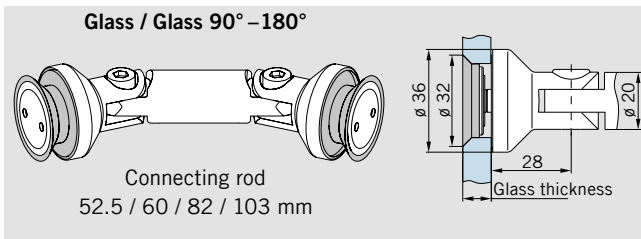
ALTERNATIVE CONNECTION CEILING



Components

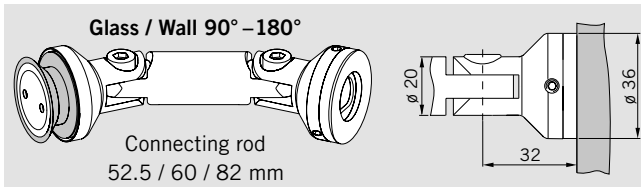
- 11 Threaded rod M8
DIN 7984 M10 x..., or
oval-head wood screw
DIN 7996 M8 x...
- 12 Clip-on cover

COMPLETE FITTING



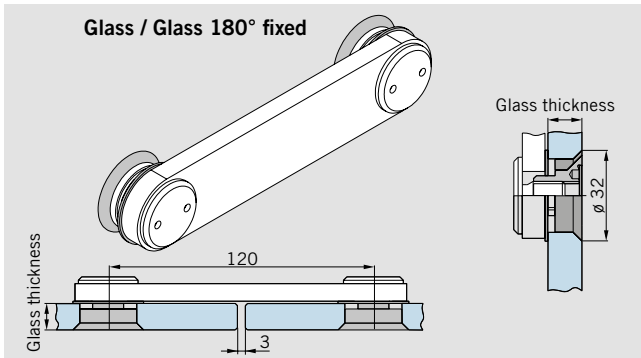
Complete fitting glass / glass
for 8 – 12 mm glass thickness

- With connecting rod 52.5 mm **Art. No. 29.120**
- With connecting rod 60 mm **Art. No. 29.122**
- With connecting rod 82 mm **Art. No. 29.125**
- With connecting rod 103 mm **Art. No. 29.130**



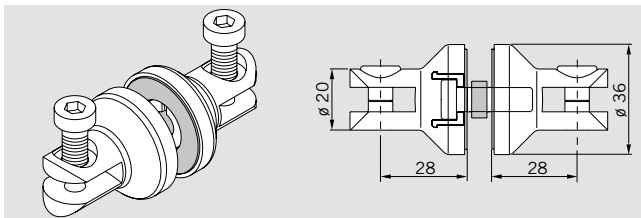
Complete fitting glass / wall
for 8 – 12 mm glass thickness

- With connecting rod 52.5 mm **Art. No. 29.139**
- With connecting rod 60 mm **Art. No. 29.140**
- With connecting rod 82 mm **Art. No. 29.142**



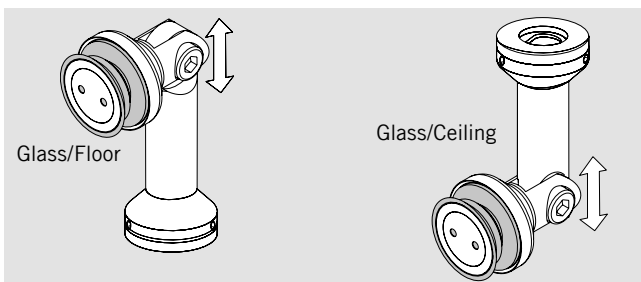
Complete fitting Connector
for glass thickness 8 – 12 mm

- AISI 303 **Art. No. 29.148**
- AISI 316L **Art. No. 29.368**



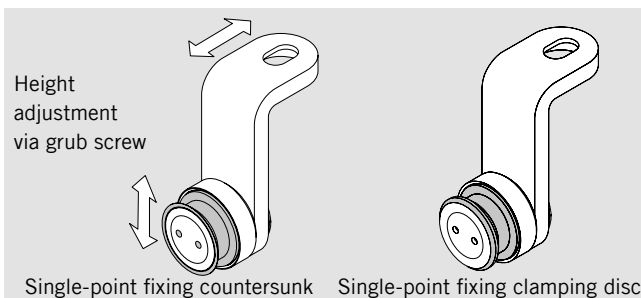
Complete fitting Clamping connector

- for glass thickness 8 – 12 mm **Art. No. 29.149**



Complete fitting Corner connector 90°

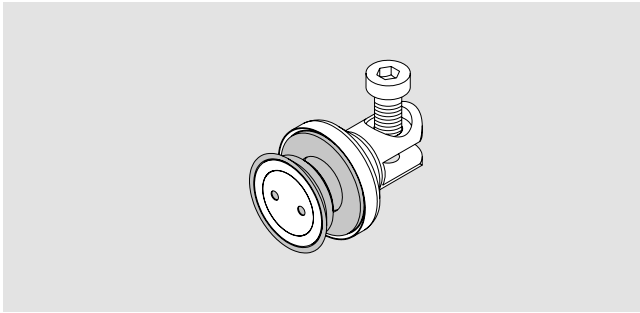
- for glass thickness 8 – 12 mm (only bearing function) **Art. No. 29.145**



Complete fitting Ceiling fixing
(bearing function)
for glass thickness 8 – 12 mm countersunk

- AISI 316L **Art. No. 29.337**
- clamping disc **Art. No. 29.339**
- AISI 316L **Art. No. 29.338**
- Art. No. 29.340**

COMPONENTS

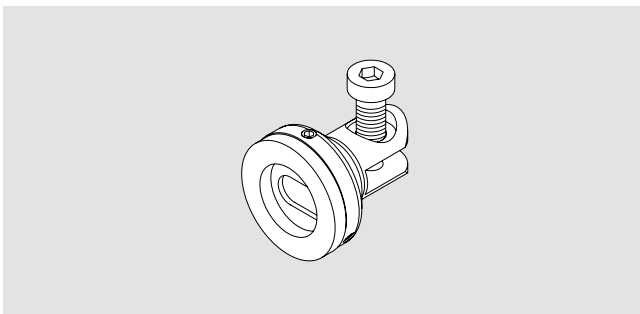


Pivoting glass clamp
 inclusive screw sets
 for 8 – 12, 13.5 – 17.5 and
 17.5 – 21.5 mm glass,
 countersunk

Art. No. 29.160

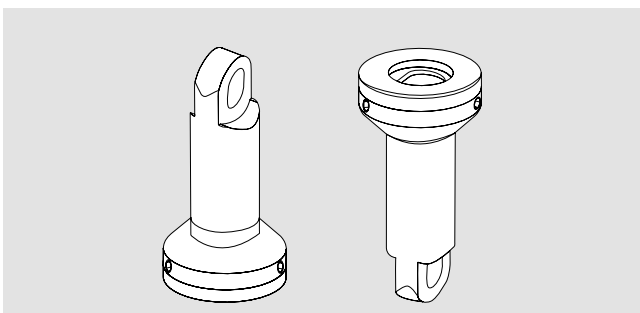
Also for, clamping disc

Art. No. 29.165



Pivoting wall fixing

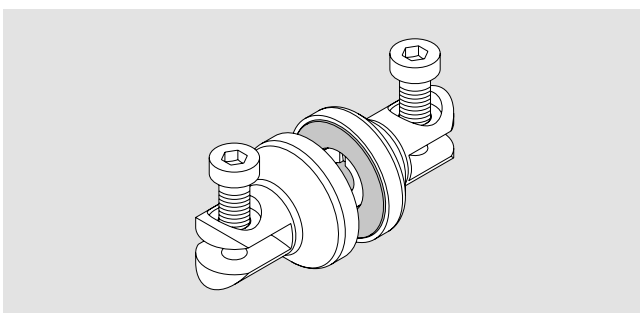
Art. No. 21.141



Column

Ceiling/floor fixing

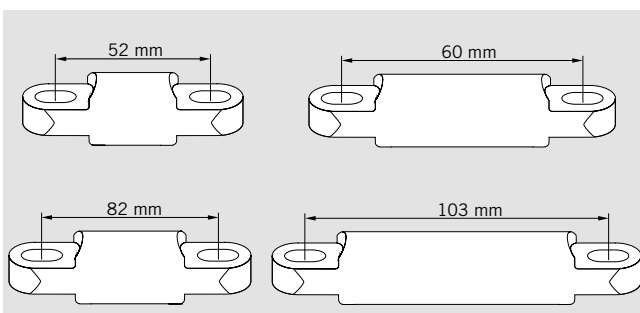
Art. No. 21.146



Clamping connector

for glass thickness 8 – 12 mm

Art. No. 29.149



Connecting rods

Length 52.5 mm

Art. No. 21.355

Length 60 mm

Art. No. 21.356

Length 82 mm

Art. No. 21.357

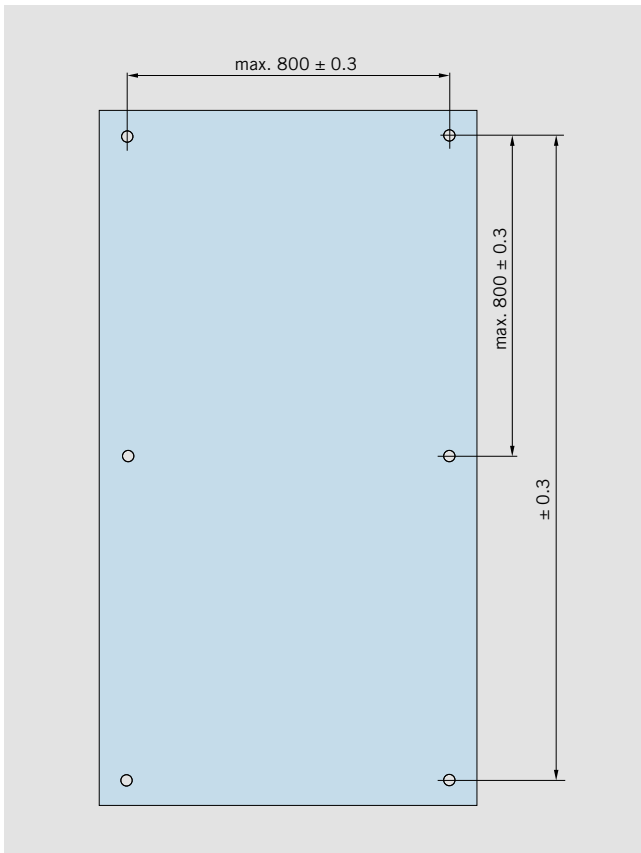
Length 103 mm

Art. No. 21.358

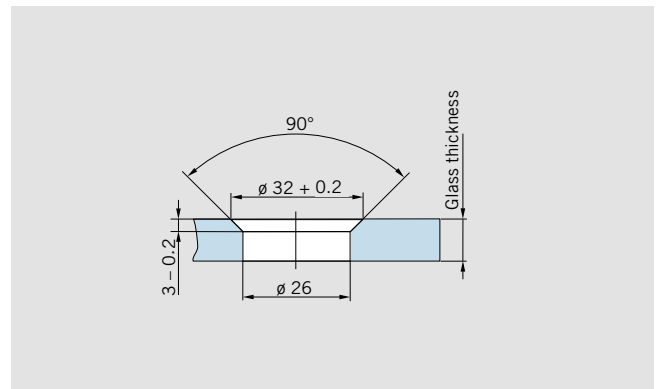
GLASS PREPARATION CONNECTION SYSTEM

For TSG and LSG from TSG.

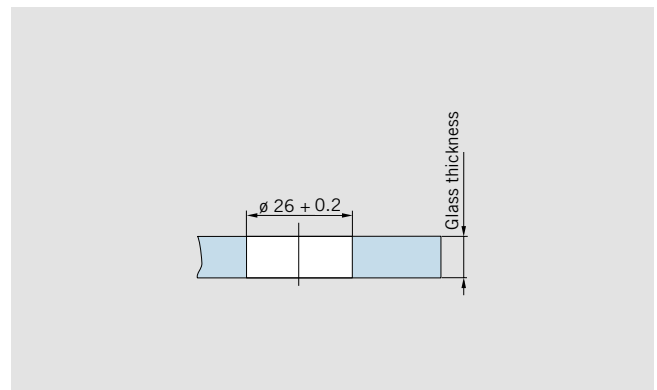
Recommended centers for fixed glazing element



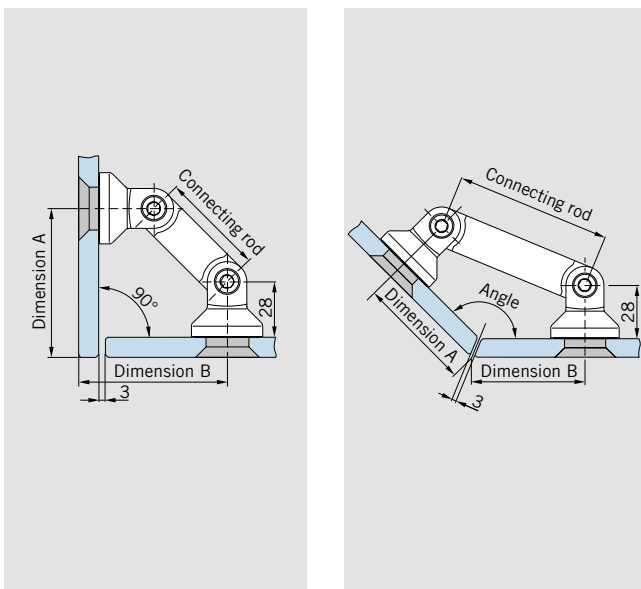
Countersunk bore for countersunk single-point fixings



Cylindrical bore for clamping disc single-point fixings



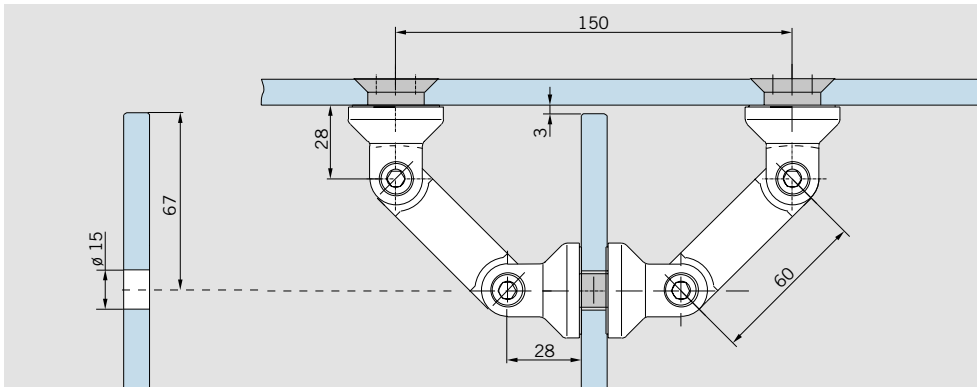
Corner connectors glass / glass 90 – 180°



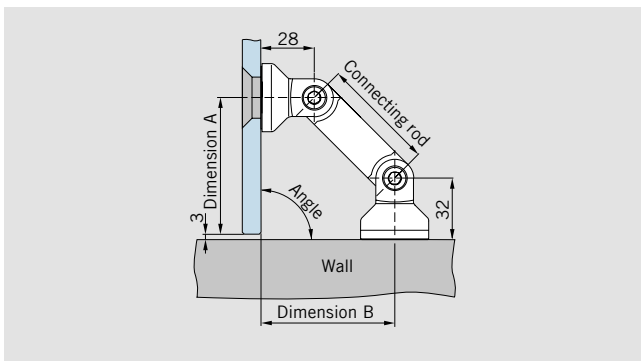
Corner connectors glass / glass (dimensions in mm)

Angle	Length of connecting rod			
	52,5	60	82	103
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



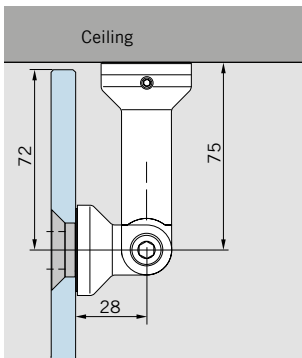
Corner connectors glass / wall 90 – 180°



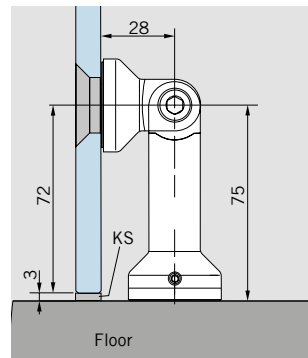
Glass / wall (dimensions in mm)

	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

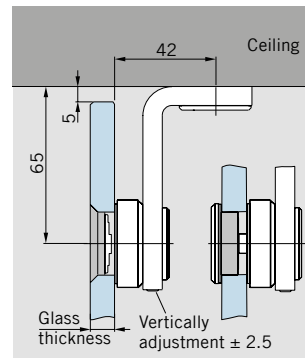
Corner connector glass / ceiling



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.

MANET CONCEPT

Single-point fixing

122 – 124

Glass preparation

125

Accessories

132 – 150

Safety-related information

151



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.

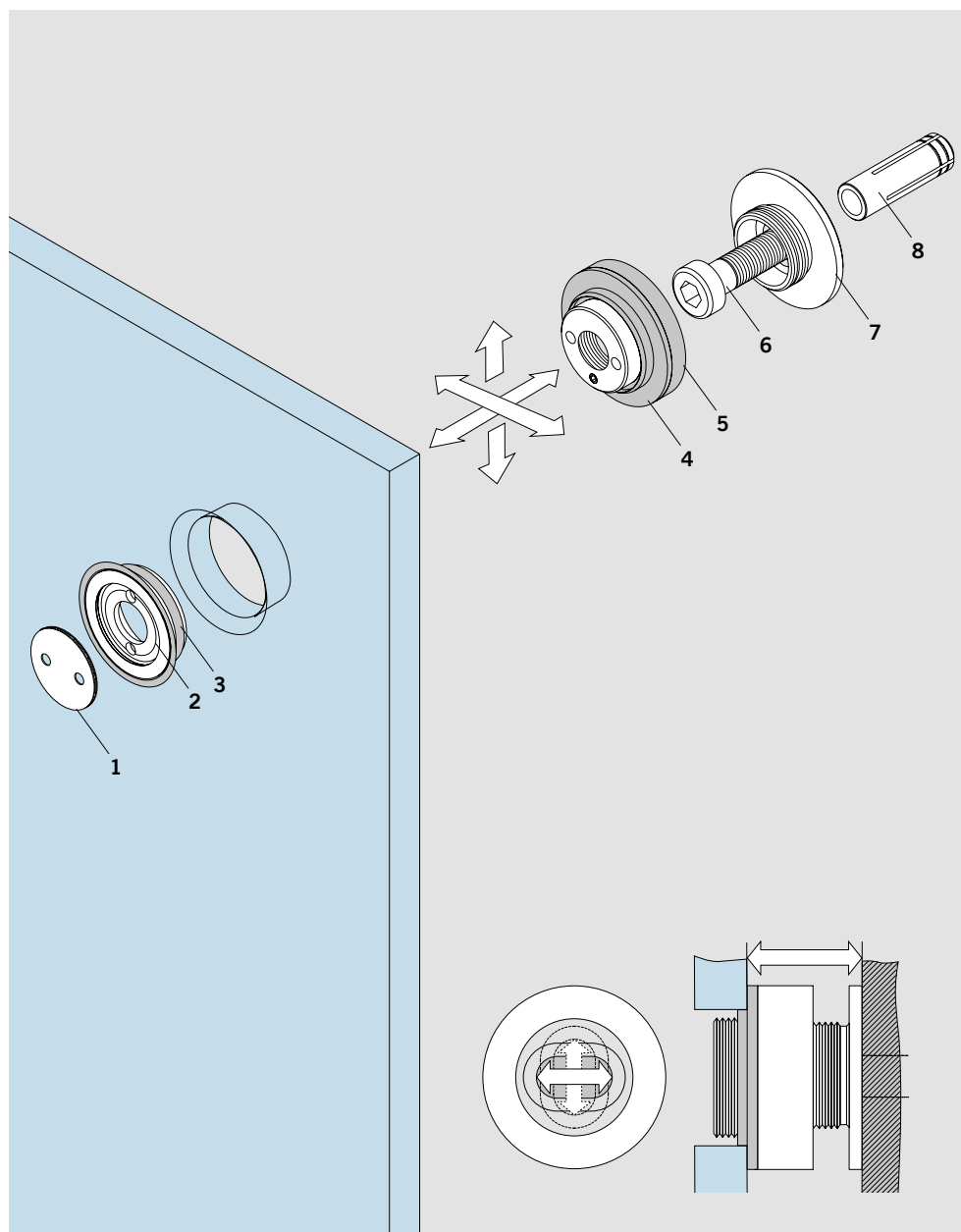
The three-dimensional adjustability incorporated within the fitting ensures ideal compensation for structural and drilling tolerances.

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 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.

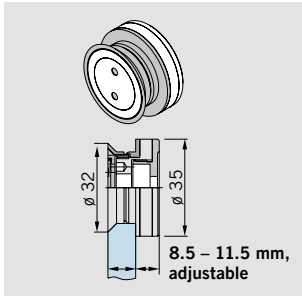
An adjustment range of ± 2 mm in the vertical and lateral directions can be utilized by rotating the adjustment screw by up to 90° . Then it is simply a matter of aligning and securing the single-point fixing and conical sleeve. The clip-on cover provides for a flush appearance.



Components

- 1 Clip-on cover
- 2 Pin internal thread
- 3 Conical sleeve
- 4 Gasket
- 5 Fixing
- 6 Threaded rod M8 with small head (e.g. DIN 6912). Length and type to suit wallplug
- 7 Adjustment screw
- 8 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

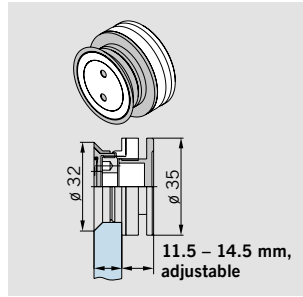
Clamping disc
8/10 mm glass
Art. No. 29.700

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

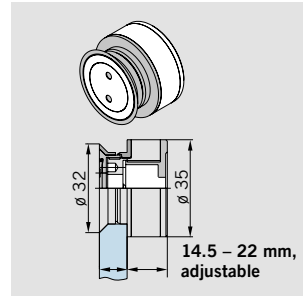
Clamping disc
8/10 mm glass
Art. No. 29.701

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

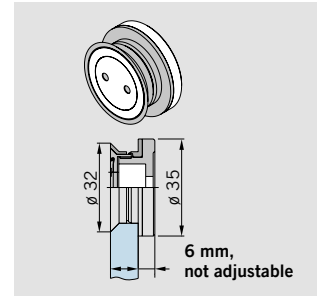
Clamping disc
8/10 mm glass
Art. No. 29.702

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

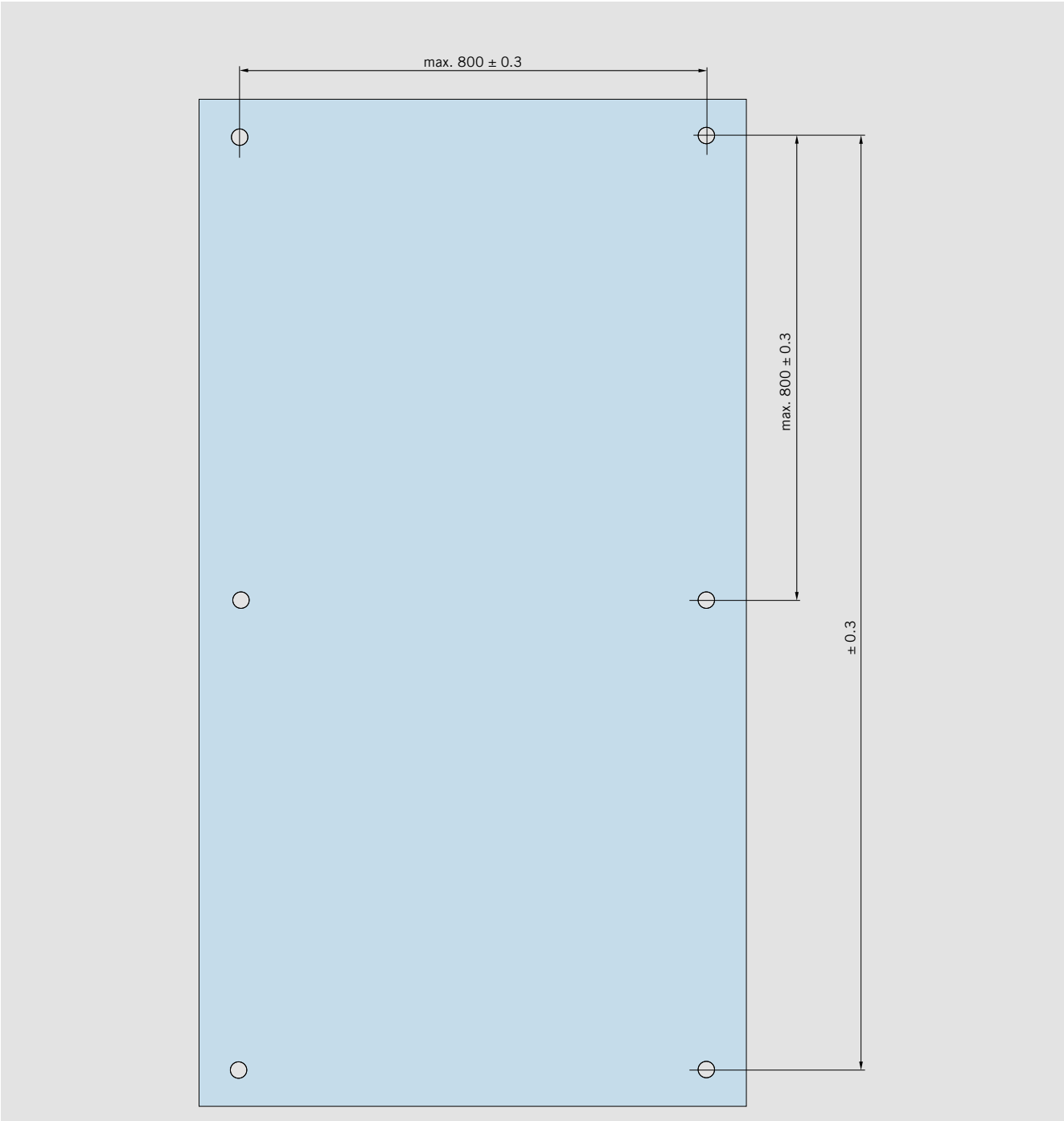
17.5 mm glass
Art. No. 29.734

Stainless steel quality AISI 316L on request.

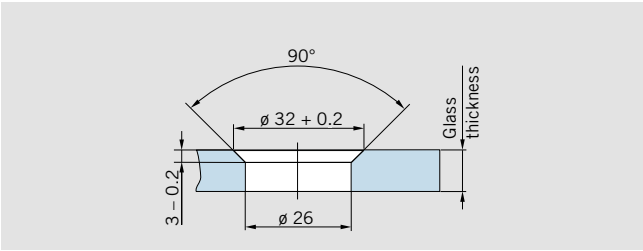
GLASS PREPARATION CONNECTION SYSTEM

For TSG and LSG from TSG.

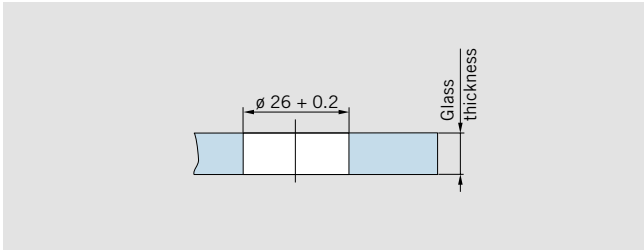
Recommended centers for fixed glazing element



Countersunk bore for countersunk single-point fixings



Cylindrical bore for clamping disc single-point fixings



RSP 80

General information

128

Typical assemblies

129 – 131

Accessories

132 – 150

Safety-related information

151



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

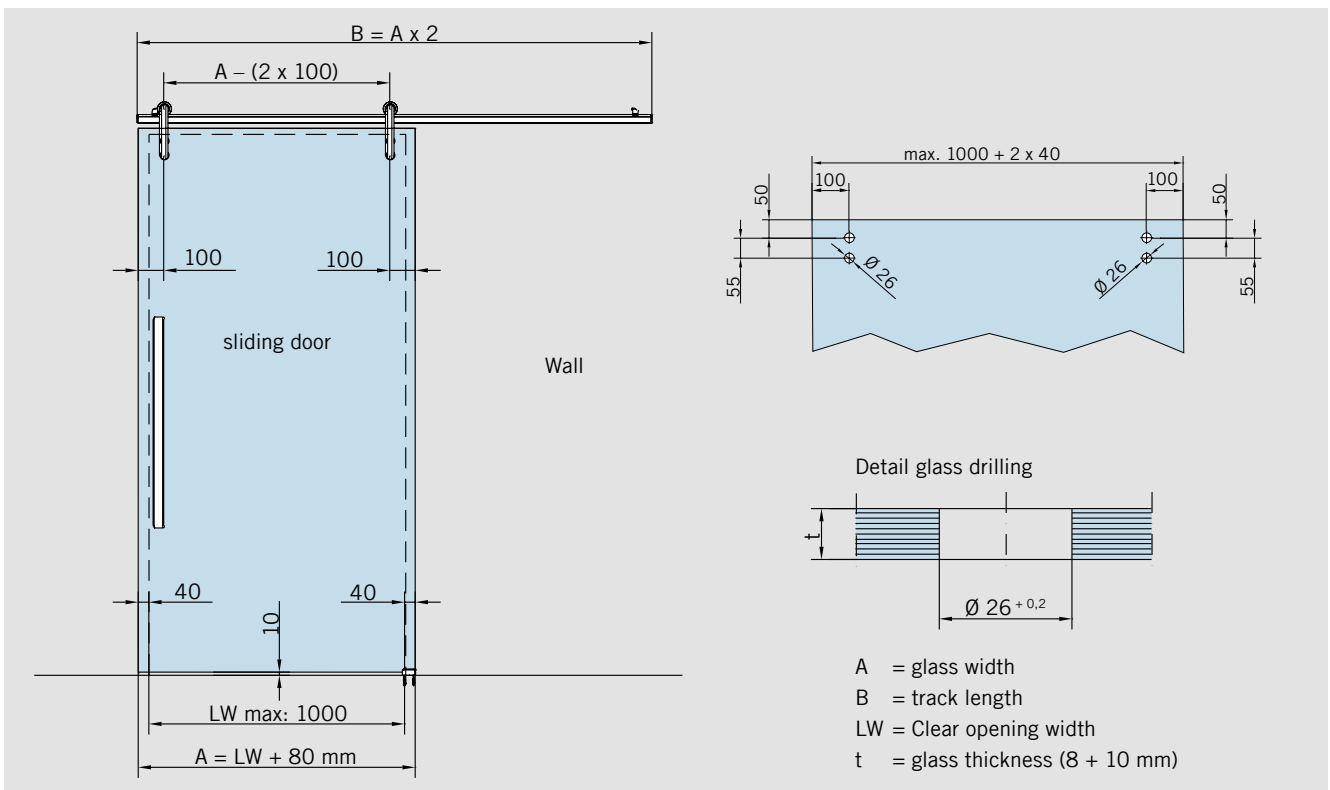
The exact endposition of the door both in the opening and the closing direction is variable thanks to the selectable position of the end stops.

Elegant floor guidance

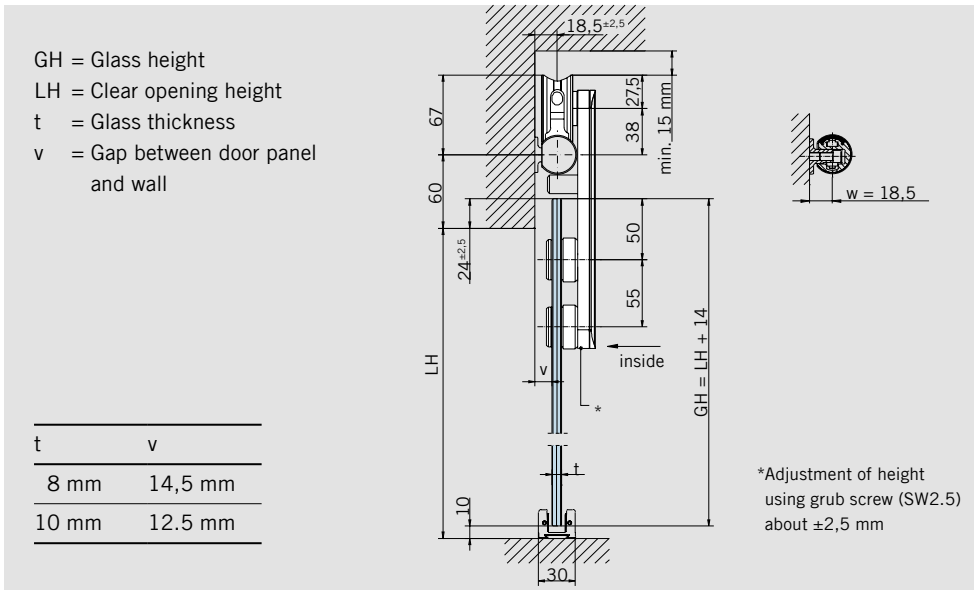
The AGILE floor track offers an impressive combination of effective functionality and attractive design. Its two-part construction means it is very easy to install, and its infinite adjustability between 8 and 13.5 mm ensures safe and secure guidance of the glass panels.

Impressive durability

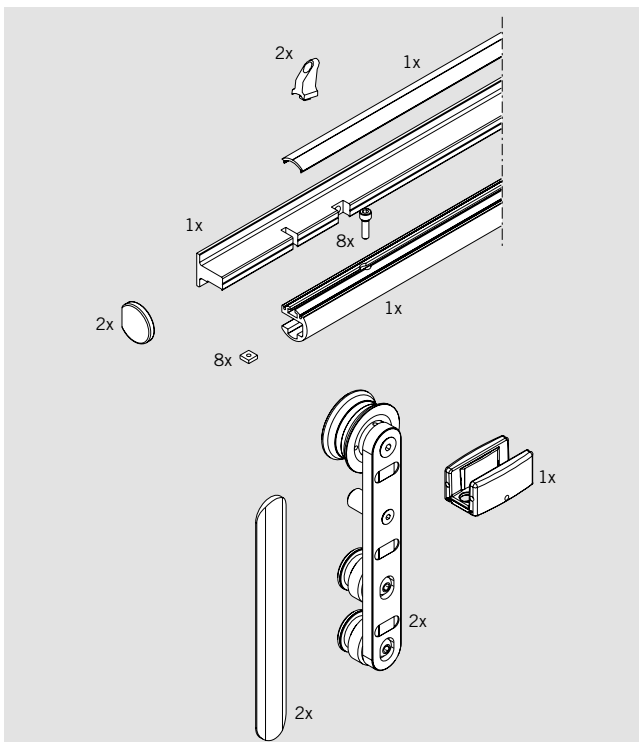
Very long service lifetimes have been proven in protracted tests consisting of over 50,000 motion cycles (to EN 1527). And the RSP 80 range also offers the highest level of corrosion resistance, making these fittings more than suitable for employment in humid rooms (not for sauna, baths or brine bath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



GLASS APPLICATIONS



SET AND COMPONENTS FOR GLASS APPLICATIONS



Set

RSP 80 sliding door set for 10 mm glass

consisting of track profil (2000 mm) for max. panel width 1080 mm, roller, stopper and floor guide, material: aluminum EV1-Deco

Art. No. 30.700

Weight in kg 5.6

Components

Roller carrier, stop and floor guide

Art No. 30.701

RSP 80 track profile for mounting to wall

Art No. 30.705

stock length 6,000 mm

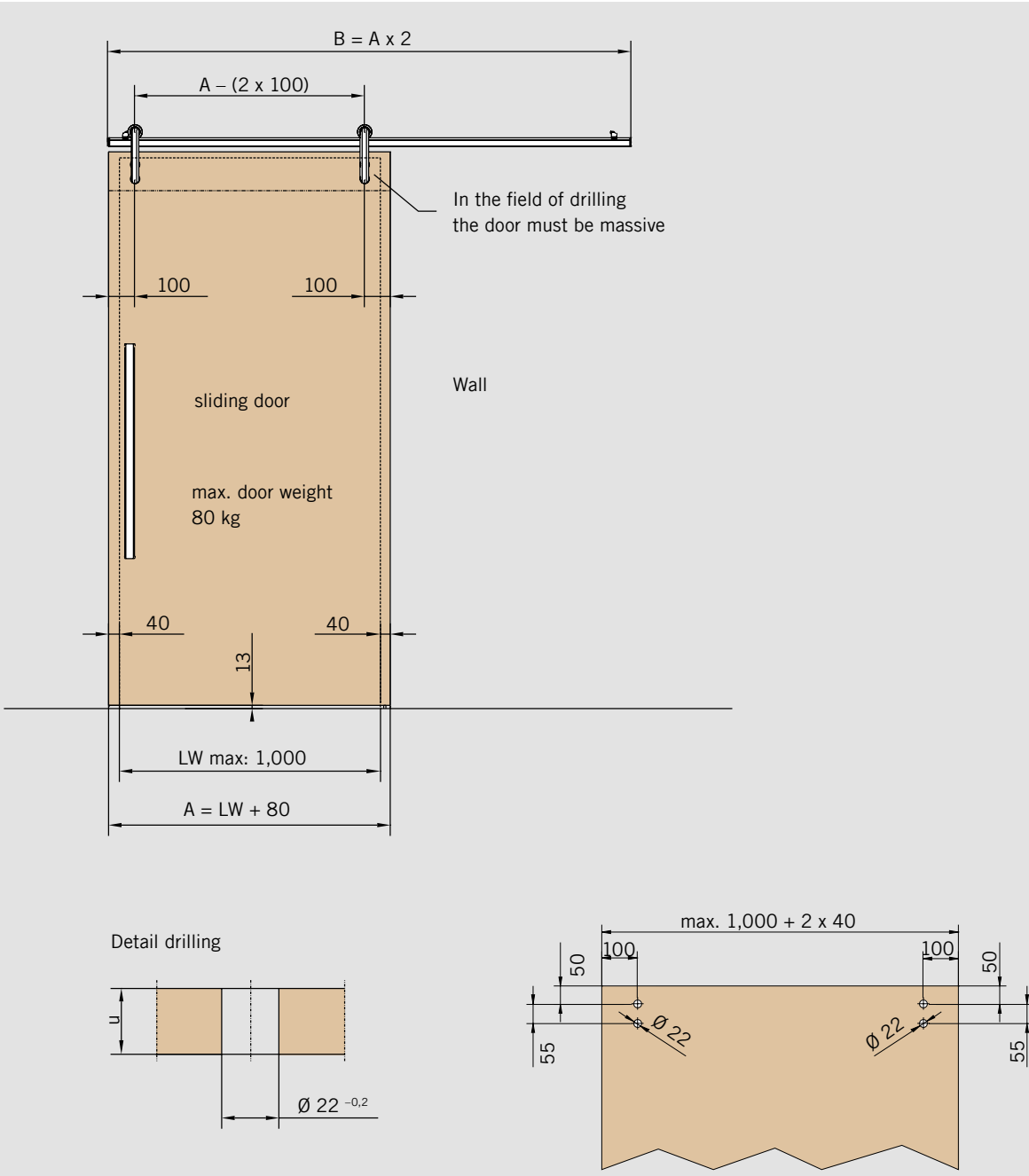
RSP 80 track profile for mounting to wall

Art No. 30.706

in fixed length

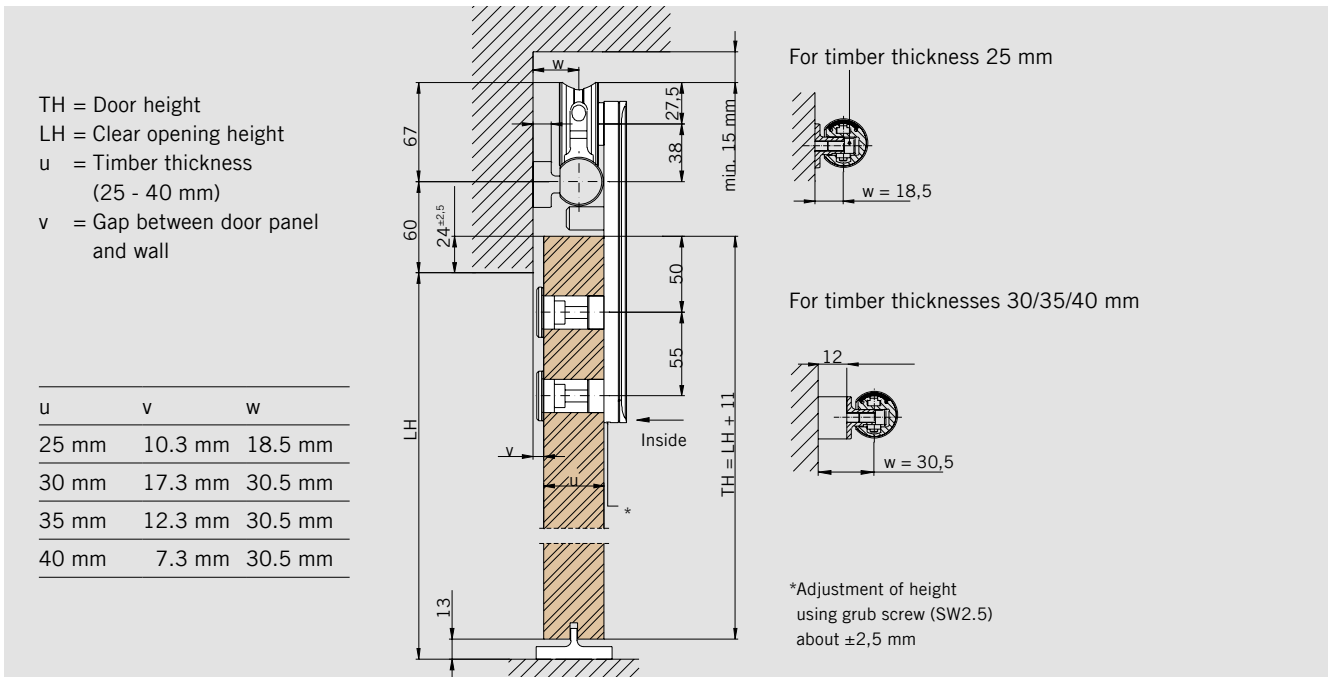
(should not go below min. door width 800 mm / track profile 1,600 mm)

TIMBER APPLICATIONS

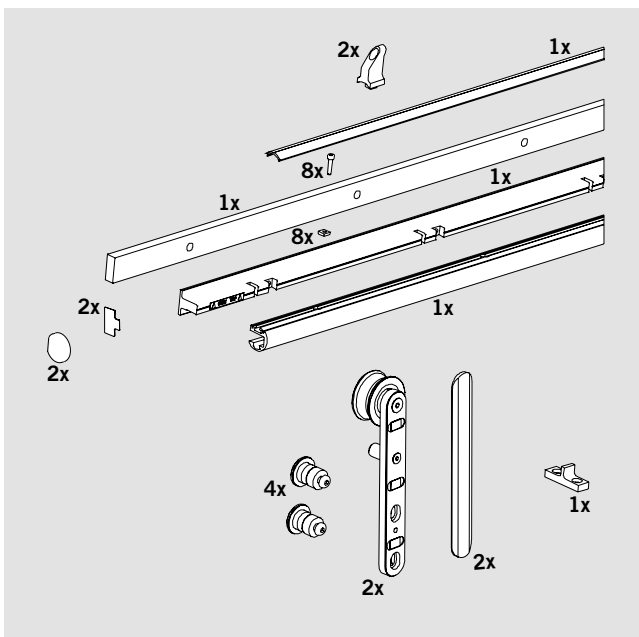


The side overhang of the sliding door should be 40 mm

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



SET AND COMPONENTS FOR TIMBER APPLICATIONS



Set

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

Art. No. 30.707

Weight in kg 5.6

consisting of
 track profil for max. panel width
 1080 mm,
 roller,
 stopper and floor guide,

material: aluminum EV1-Deco

Components

Roller carrier, stop and floor guide for timber applications

Art No. 30.708

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

Art No. 30.712
 stock length 6,000 mm

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

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

Art No. 30.713
 in fixed length

ACCESSORIES

Handle bars, door knobs and recessed pull grips

134 – 142

Wall connection and U-profile, MR 22 / MR 28

143 – 149

Assembling aid

150

Safety-related information

151



PULL HANDLES, DOOR KNOBS AND RECESSED PULL GRIP

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

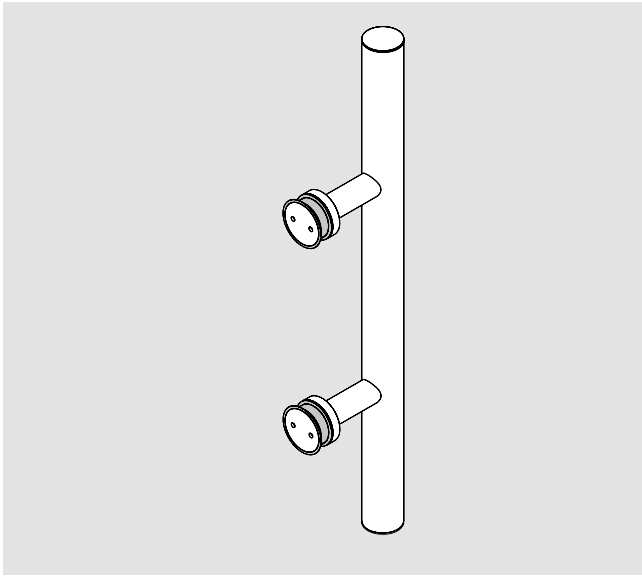
The pull handles can be fixed to both sliding and pivoting (swing) doors on one face using the appropriate connectors or on both faces by through-bolting (back-to-back arrangement).

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.

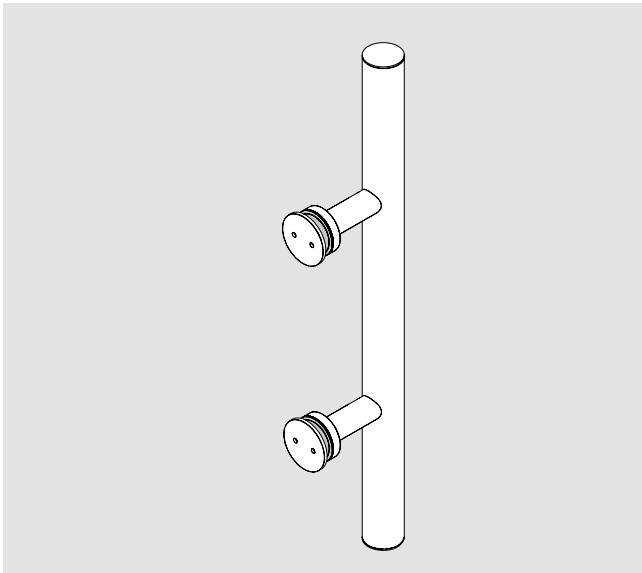


PULL HANDLES SINGLE



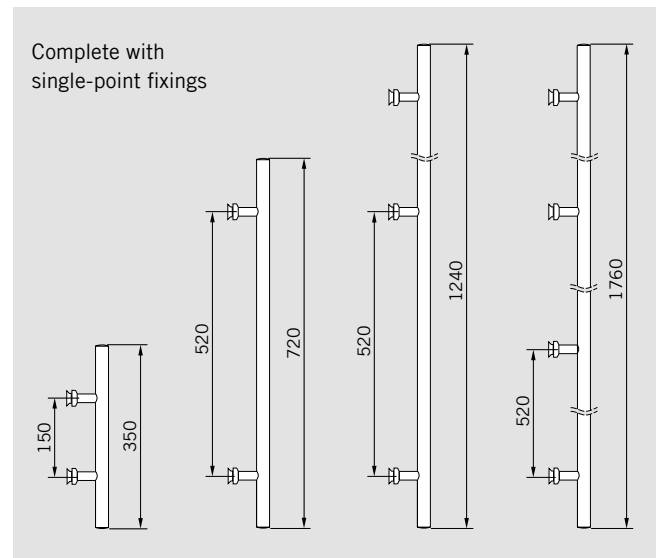
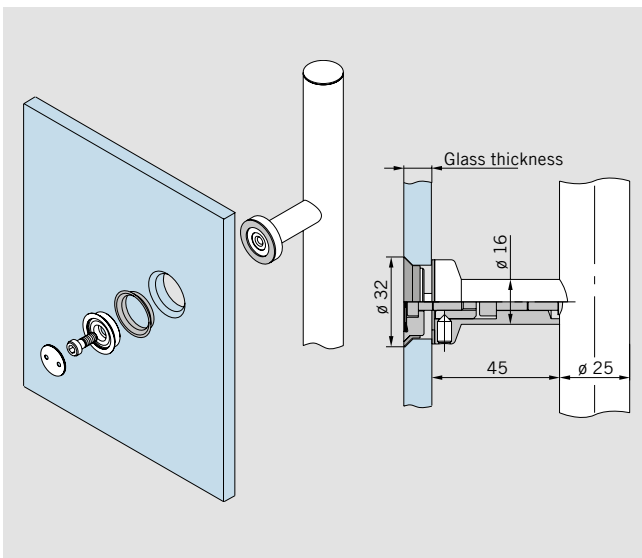
Pull handles with single-point fixings, countersunk
for 8/10/12 mm glass

- Pull handle 350 mm with 2 fixings **Art. No. 29.268**
- AISI 316L **Art. No. 29.269**
- Pull handle 720 mm with 2 fixings **Art. No. 29.271**
- AISI 316L **Art. No. 29.272**
- Pull handle 1,240 mm with 3 fixings **Art. No. 29.274**
- AISI 316L **Art. No. 29.275**
- Pull handle 1,760 mm with 4 fixings **Art. No. 29.277**
- AISI 316L **Art. No. 29.278**

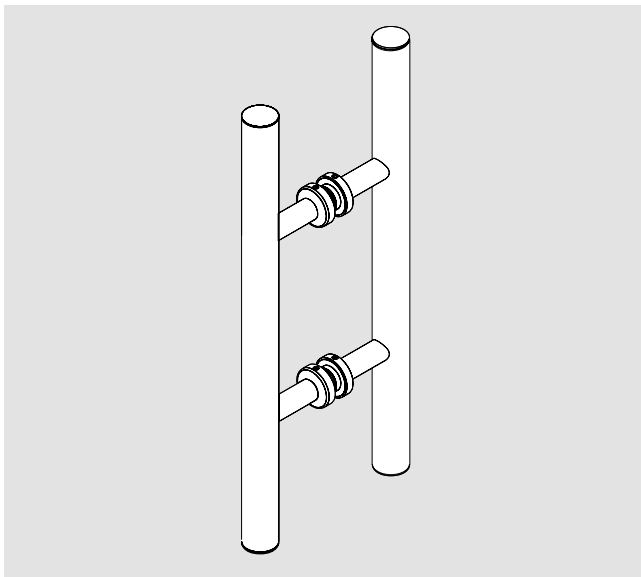


Pull handles with single-point fixings, clamping disc
for 8/10/12 mm glass

- Pull handle 350 mm with 2 fixings **Art. No. 21.240**
- Pull handle 720 mm with 2 fixings **Art. No. 21.241**
- AISI 316L **Art. No. 21.281**
- Pull handle 1,240 mm with 3 fixings **Art. No. 21.242**
- Pull handle 1,760 mm with 4 fixings **Art. No. 21.243**
- AISI 316L **Art. No. 21.283**



PAIR OF PULL HANDLES



**Pair of pull handles
incl. connecting bolt**
for 8/10/12 mm glass

Pair of pull handles 350 mm
with 2 fixings

Art. No. 21.267

AISI 316L

Art. No. 21.247

Pair of pull handles 720 mm
with 2 fixings

Art. No. 21.270

AISI 316L

Art. No. 21.250

Pair of pull handles 1,240 mm
with 3 fixings

Art. No. 21.273

AISI 316L

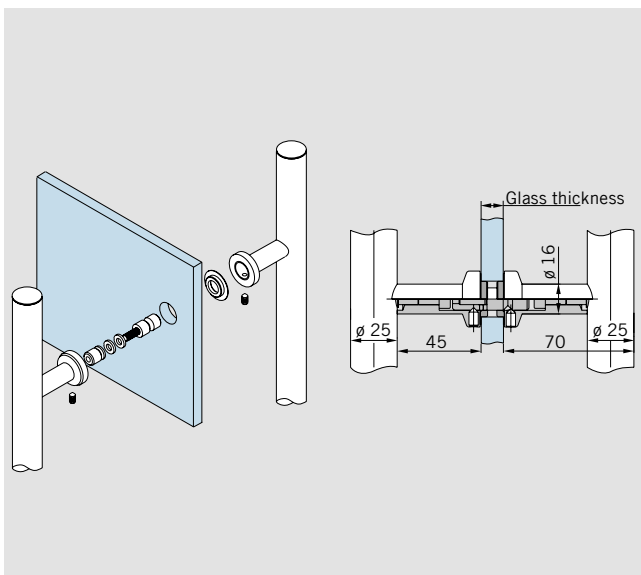
Art. No. 21.253

Pair of pull handles 1,760 mm
with 4 fixings

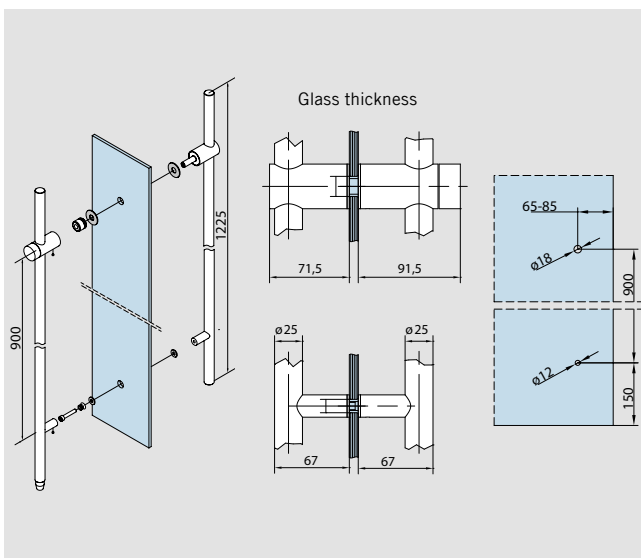
Art. No. 21.276

AISI 316L

Art. No. 21.256



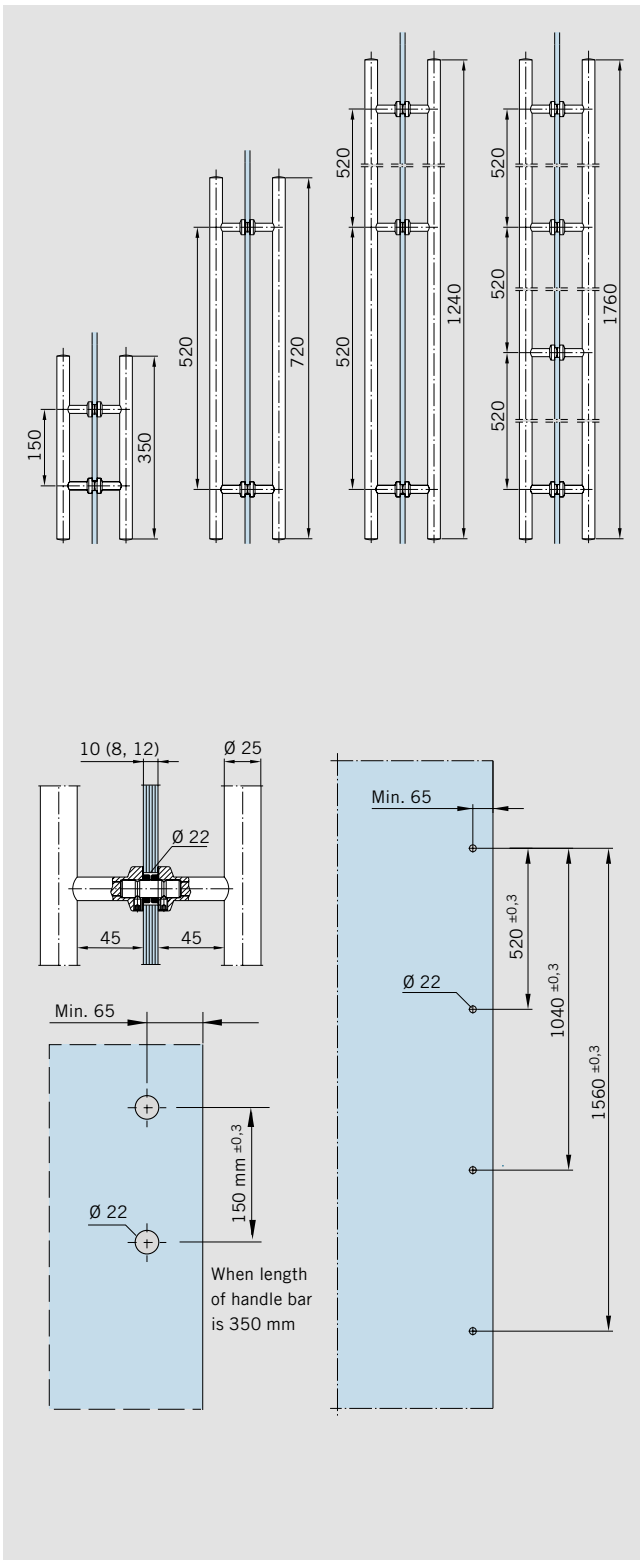
Complete incl.
connecting bolt



**Lockable back-to-back
handle bar,**
for 6 – 16 mm glass
1225 mm,
with 2 fixings,
complete with closing device
and cylinder

Art. No. 21.279

PAIR OF PULL HANDLES



**Pair of handle bars
satin stainless steel**
length 350 mm
2 hole fixing for 8, 10 and
12 mm glass thicknesses

Art. No. 21.267*
Weight in kg:
stainless steel 1.254

**Pair of handle bars
aluminum**
length 350 mm
2 hole fixing for 8, 10 and
12 mm glass thicknesses

Art. No. 03.400
Weight in kg: alumin. 1.326

**Pair of handle bars
satin stainless steel**
length 720 mm,
2 hole fixing for 8, 10 and
12 mm glass thicknesses

Art. No. 21.270*
Weight in kg:
stainless steel 1.947

**Pair of handle bars
aluminum**
length 720 mm
2 hole fixing for 8, 10 and
12 mm glass thicknesses

Art. No. 03.402
Weight in kg: alumin. 2.423

**Pair of handle bars
satin stainless steel**
length 1,240 mm
3 hole fixing for 8, 10 and
12 mm glass thicknesses

Art. No. 21.273*
Weight in kg:
stainless steel 3.400

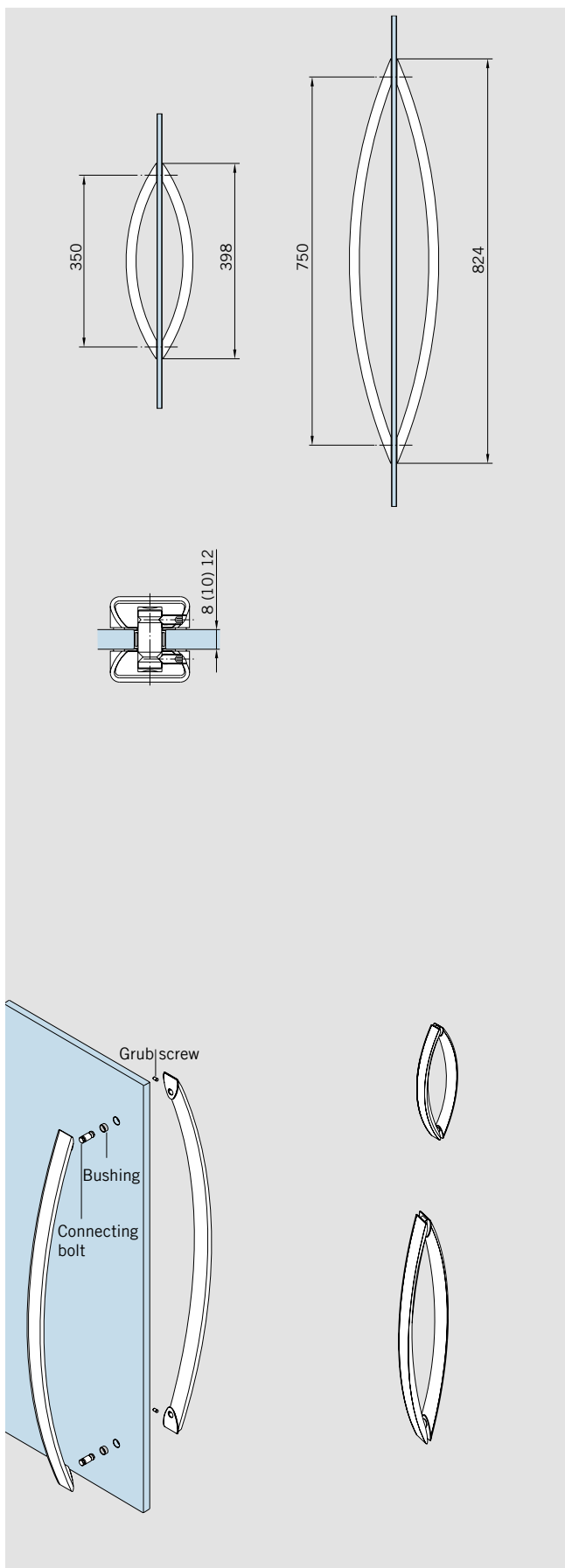
**Pair of handle bars
satin stainless steel**
length 1,760 mm
4 hole fixing for 8, 10 and
12 mm glass thicknesses

Art. No. 21.276*
Weight in kg:
stainless steel 5.000

**Lockable pair of handle bars
Satin stainless steel**
length 1,225 mm,
auf 2 hole fixing for
8 – 13.5 mm
Keso 2.000 lock

*Conversion sets for back to
back pull handles for timber
doors resp. other glass thick-
nesses see page 141 – 142.

ARCOS PULL HANDLE



ARCOS pair of pull handle
for 8/10/12 mm glass
incl. connecting bolt

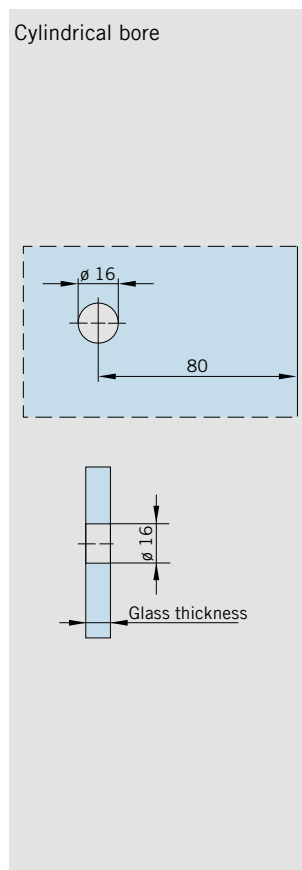
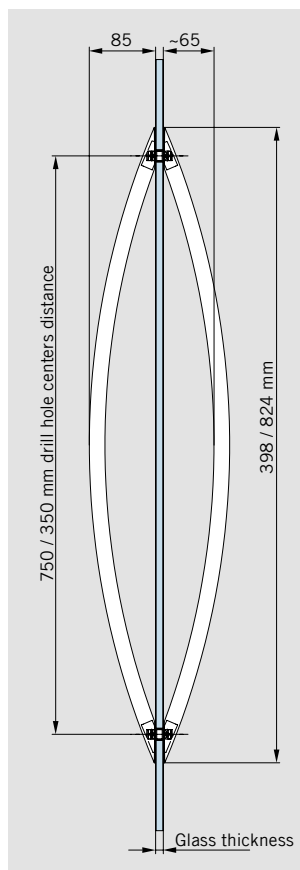
only in AISI 316L

Pull handle 350 mm
with 2 fixings

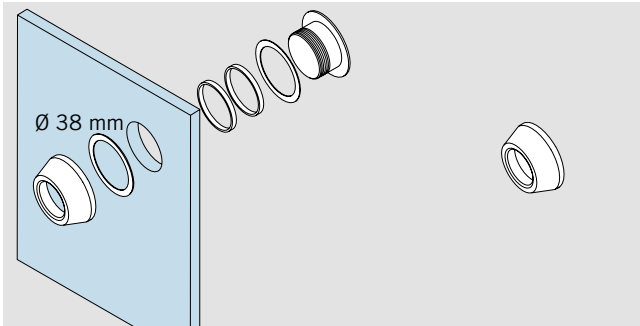
Art. No. 26.500

Pull handle 750 mm
with 2 fixings

Art. No. 26.510

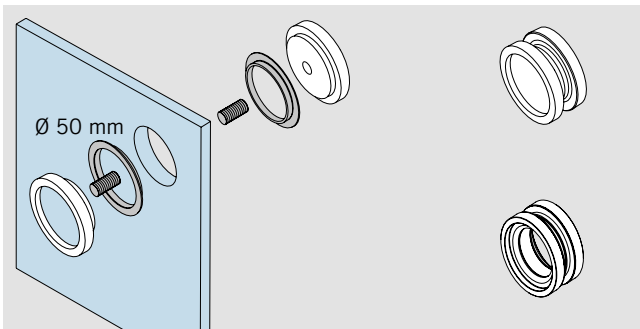


RECESSED PULL GRIPS AND DOOR KNOBS



Recessed pull grip
 Ø 50 mm
 for 8/10/12 mm glass

Art. No. 21.290



Recessed pull grip
 Ø 60 mm
 for 8/10/12 mm glass

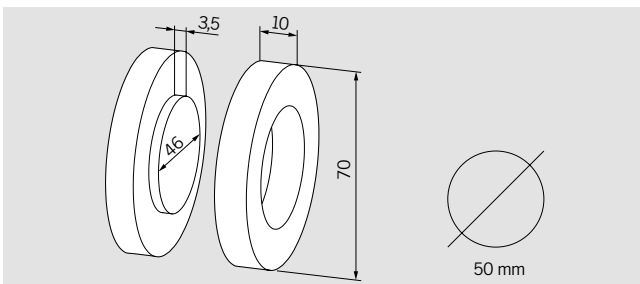
Art. No. 21.291

Recessed pull grip with grip hole
 Ø 60 mm
 for 8 mm glass
 for 10 mm glass
 for 12 mm glass

Art. No. 21.292

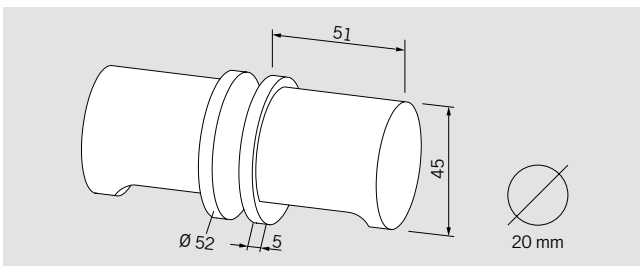
Art. No. 21.293

Art. No. 21.294



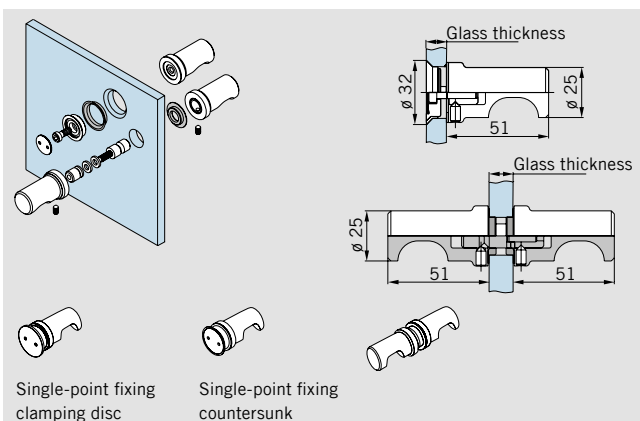
Flush pull,
 aluminum
 to be glued onto the glass

Art. No. 07.200
 Weight in kg: 0.072



Door knob,
 aluminum

Art. No. 07.201
 Weight in kg: 0.400



Door knob one side fixing
 for 8/10/12 mm glass
 Door knob with single-point fixing, countersunk

Art. No. 21.422

Door knob with single-point fixings, clamping disc

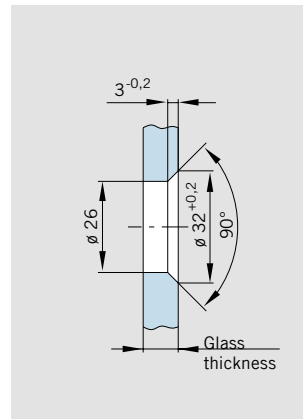
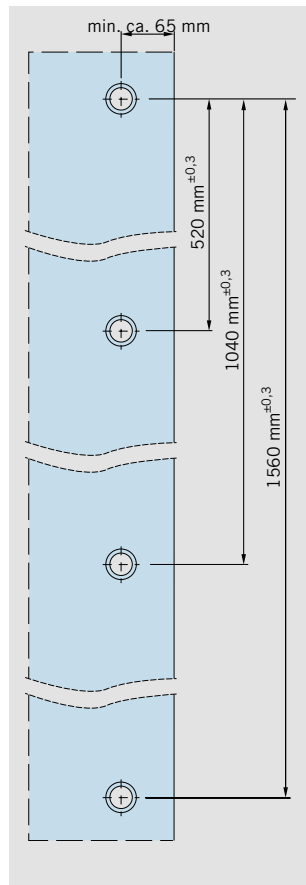
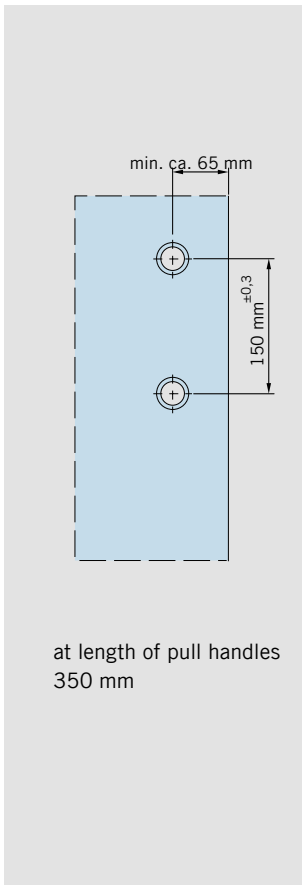
Art. No. 21.426

Door knob back-to-back
 for 8/10/12 mm glass

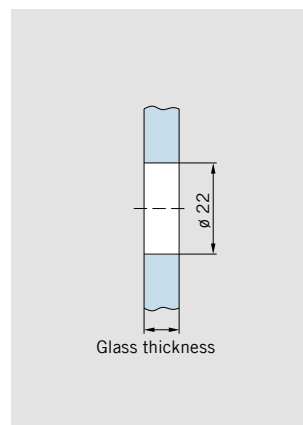
Art. No. 21.423

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

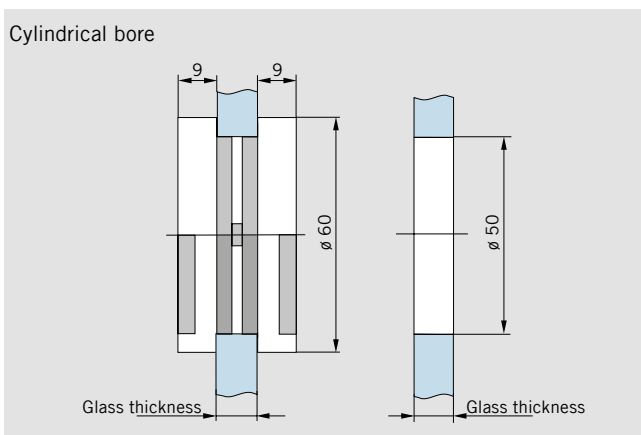
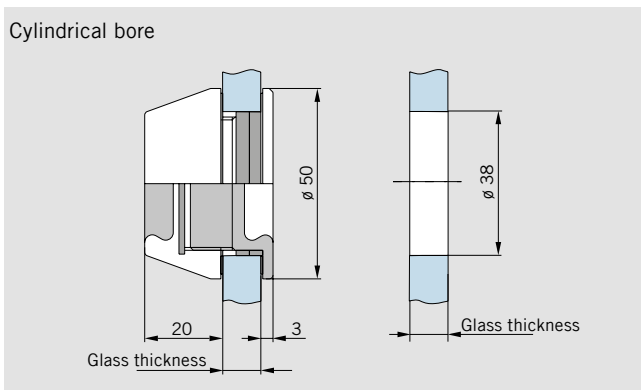
GLASS PREPARATION FOR PULL HANDLES AND DOOR KNOBS



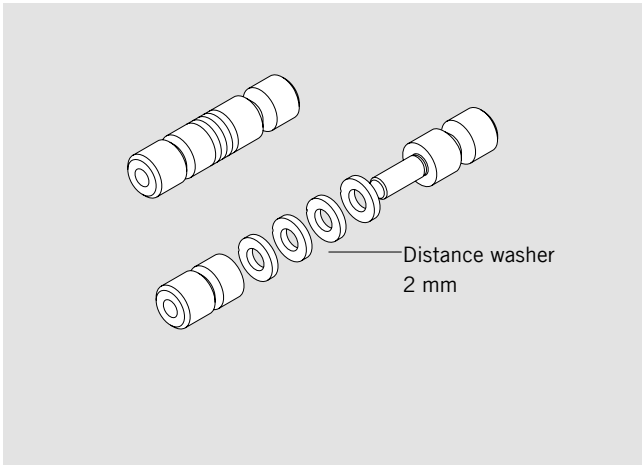
Countersunk bore
on pull handle and door knob,
one side fixing



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



SPACING ADJUSTMENT FOR PULL HANDLES AND DOOR KNOBS

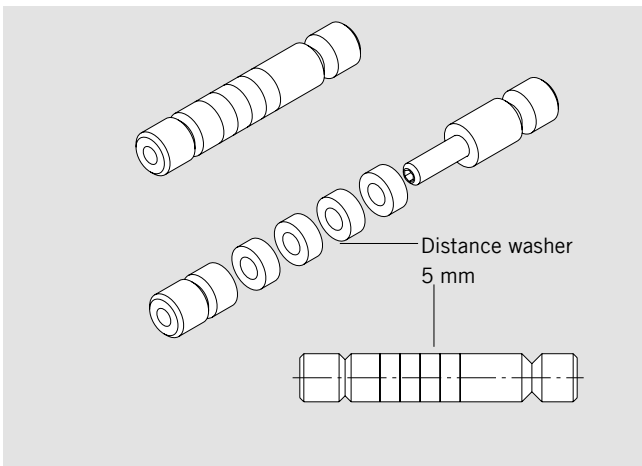


Conversion set 1 for glass doors, Art. No. 21.285

pair of pull handles/
knob back-to-back
door thickness 13.5 – 21.5 mm

Glass doors

Door thickness 13.5 mm:	without distance washer
Door thickness 15 mm:	with 1 distance washer
Door thickness 17.5 mm:	with 2 distance washers
Door thickness 19 mm:	with 3 distance washers
Door thickness 21.5 mm:	with 4 distance washers



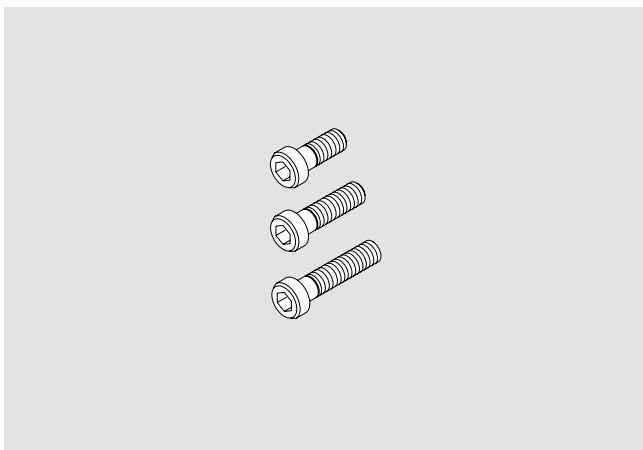
Conversion set 2 for timber doors, Art. No. 21.286

pair of pull handles /
knob back-to-back
door thickness 20 – 40 mm

Timber doors

Door thickness 20 mm:	without distance washer
Door thickness 25 mm:	with 1 distance washer
Door thickness 30 mm:	with 2 distance washers
Door thickness 35 mm:	with 3 distance washers
Door thickness 40 mm:	with 4 distance washers

SPACING ADJUSTMENT FOR PULL HANDLES AND DOOR KNOBS



Conversion set 3

for glass / timber doors,
pull handle / knob single-sided,
single-point fixing
door thickness 15 – 40 mm
countersunk

Art. No. 21.287

clamping disc

Art. No. 21.288

Glass doors / timber doors

Door thickness 15 – 21.5 mm:

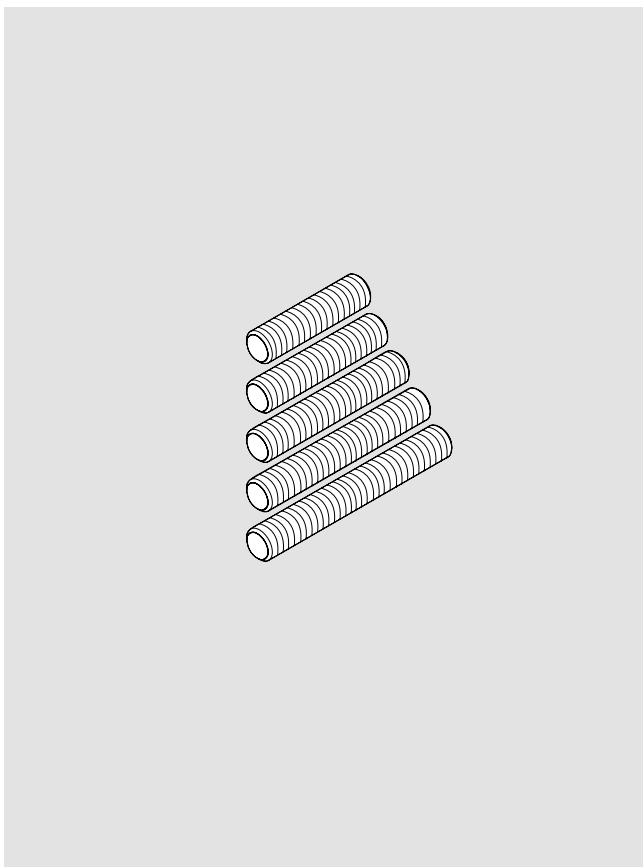
Cylinder screw M 6 x 25

Door thickness 25 – 30 mm:

Cylinder screw M 6 x 35

Door thickness 35 – 40 mm:

Cylinder screw M 6 x 50



Conversion set 4

Recessed pull grip

for glass doors

Art. No. 21.295

for timber doors

Art. No. 21.296

Glass doors

Door thickness 13.5 mm:

Grub screw 20 mm

Door thickness 15 mm:

Grub screw 22 mm

Door thickness 17.5 mm:

Grub screw 24 mm

Door thickness 19 mm:

Grub screw 25 mm

Door thickness 21.5 mm:

Grub screw 28 mm

Timber doors

Door thickness 20 mm:

Grub screw 24 mm

Door thickness 25 mm:

Grub screw 28 mm

Door thickness 30 mm:

Grub screw 33 mm

Door thickness 35 mm:

Grub screw 38 mm

Door thickness 40 mm:

Grub screw 43 mm

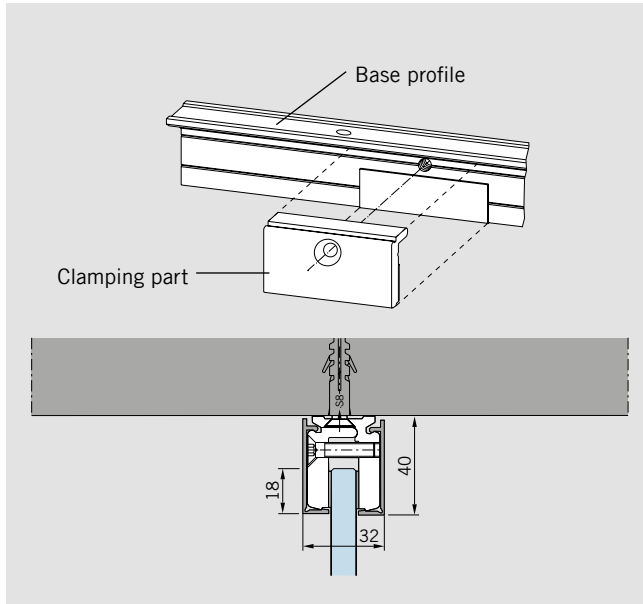
WALL CONNECTION PROFILES

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

Application:
e. g. all around frame system for toughened glass assemblies, with fittings on sides and ceiling.

The **safety type** prevents free hanging glass elements from falling down, by fixing the clamping fitting through glass

holes. 15 kg load for each clamping part, torque for fixing screws 15 Nm (M 6 = Allan key size 4).



Base profile

6,000 mm Stock length

for 8 mm Glass thickness
for 10 mm Glass thickness
for 12 mm Glass thickness
for 12.7 mm Glass thickness
for 13.5 mm Glass thickness
for 15 mm Glass thickness
for 17 mm Glass thickness
for 19 mm Glass thickness

Art. No. 07.042

Art. No. 07.001

Art. No. 07.002

Art. No. 07.045

Art. No. 07.046

Art. No. 07.047

Art. No. 07.048

Art. No. 07.049

Fixed length

for 8 mm Glass thickness
for 10 mm Glass thickness
for 12 mm Glass thickness
for 12.7 mm Glass thickness
for 13.5 mm Glass thickness
for 15 mm Glass thickness
for 17 mm Glass thickness
for 19 mm Glass thickness

Art. No. 07.050

Art. No. 07.051

Art. No. 07.052

Art. No. 07.055

Art. No. 07.056

Art. No. 07.057

Art. No. 07.058

Art. No. 07.059

Clamping part (addition/replacement)

60 mm long,
with screws and gasket strips

for 8 mm Glass thickness
for 10 mm Glass thickness
for 12 mm Glass thickness
for 12.7 mm Glass thickness
for 13.5 mm Glass thickness
for 15 mm Glass thickness
for 17 mm Glass thickness
for 19 mm Glass thickness

Art. No. 07.043

Art. No. 07.004

Art. No. 07.005

Art. No. 07.085

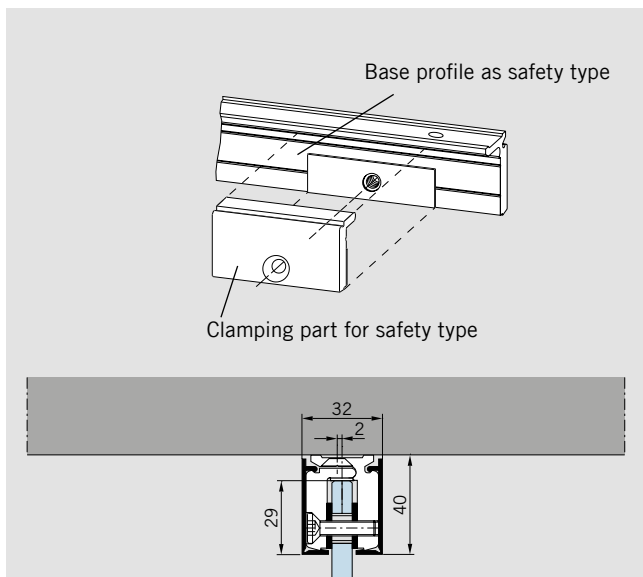
Art. No. 07.086

Art. No. 07.087

Art. No. 07.088

Art. No. 07.089

Safety type



Base profile

as safety type

6,000 mm Stock length

for 8 mm Glass thickness

for 10 mm Glass thickness

Art. No. 07.060

Art. No. 07.061

Base profile

as safety type

fixed length

for 8 mm Glass thickness

for 10 mm Glass thickness

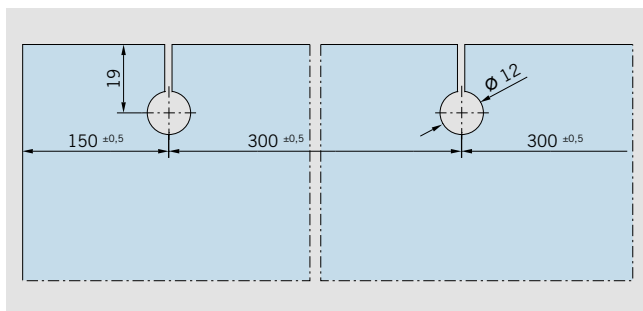
Art. No. 07.066

Art. No. 07.067

Weight in kg/m:

LM 1,200

Glass preparation for Safety type



Clamping part (addition/replacement)

for Safety type

60 mm long,

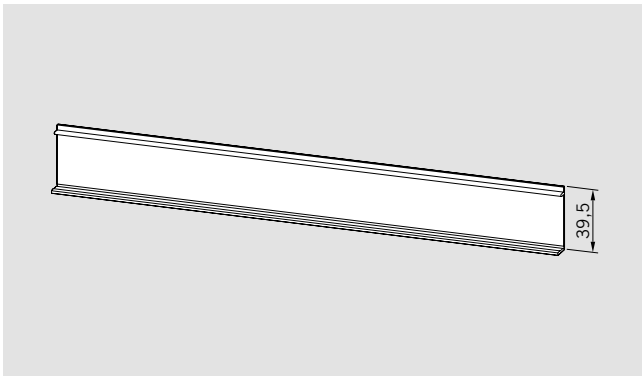
with screws and gasket strips

for 8 mm Glass thickness

for 10 mm Glass thickness

Art. No. 07.063

Art. No. 07.064

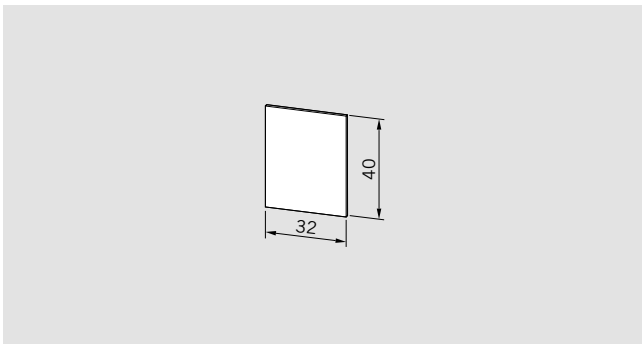


Clip on cover profile
brass, stainless steel, satin
and stainless steel polished
door available

6,000 mm stock length
fixed length

Art. No. 07.003
Art. No. 07.053

Weight in kg/m:
aluminum 0.203
brass 0.373
stainless steel 0.373

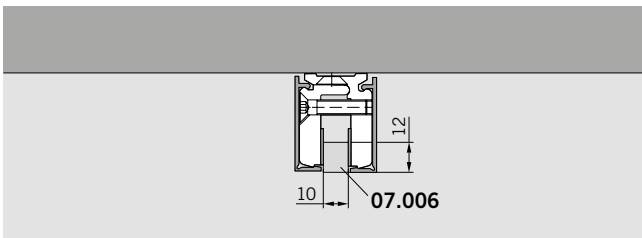


End cap

for 8 and 10 mm glass
thicknesses
for 12–13.5 mm glass
thicknesses
for 15–19 mm glass
thicknesses

Art. No. 07.007
Art. No. 07.044
Art. No. 07.065

Weight in kg:
aluminum 0.003
brass 0.006
stainless steel 0.006

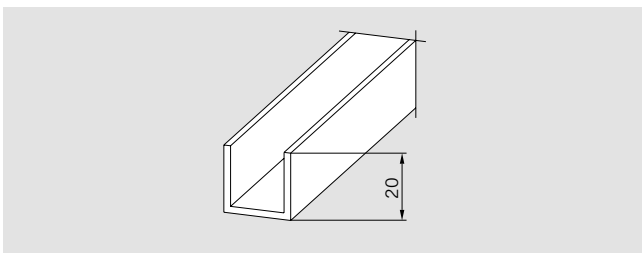


Filler block, 10 x 12 mm

6,000 mm stock length
fixed length

Art. No. 07.006
Art. No. 07.054

Weight in kg:
aluminum 0.315



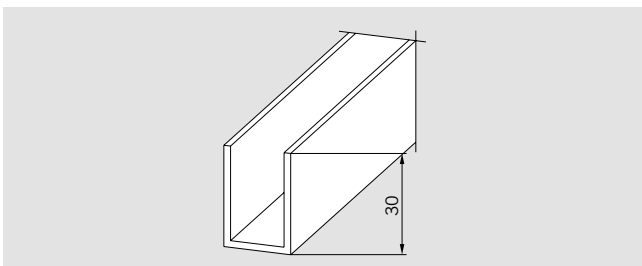
U-profile

20 x 20 x 20 x 2 mm

6,000 mm stock length
fixed length

Art. No. 07.092
Art. No. 07.093

Weight in kg/m:
aluminum 0.336



U-profile

30 x 20 x 30 x 2 mm

6,000 mm stock length
fixed length

Art. No. 07.097
Art. No. 07.096

Weight in kg/m:
aluminum 0.448

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 suitable for both indoor and outdoor applications and are characterised by their remarkably easy installation.

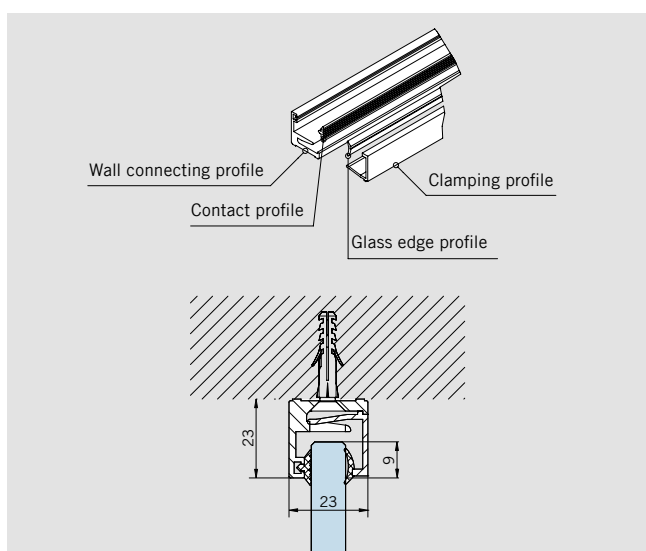
The viewface width in the case of the MR 22 is a mere 22 mm and in the case of the MR 28 it is just 28 mm. Suitable for glass thicknesses of 8 and 10 mm. No load transfer by the profiles.

Can be readily removed and re-installed elsewhere.

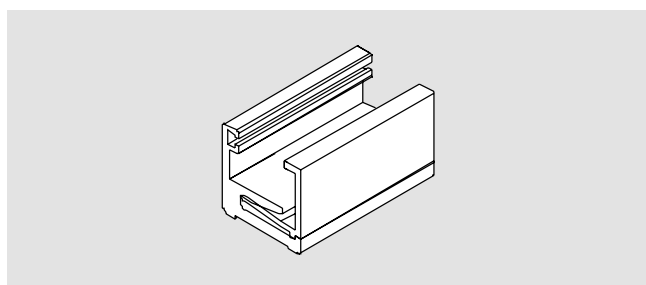
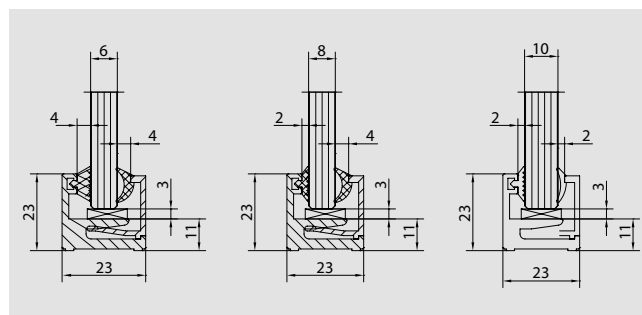
The MR 28 features an additional screw-fixing channel for connecting angle brackets and enables combination with mullion profiles for the vertical connection of several glass panels and also abutment to frame systems AT 44 and AT 50.

Applications:

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



Base profile

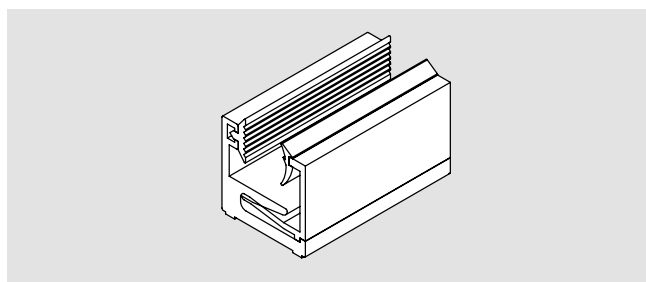


MR 22

in 6,000 mm stock length,
without PVC profile

Art. No. 07.240

Weight in kg/m:
aluminum 0.648

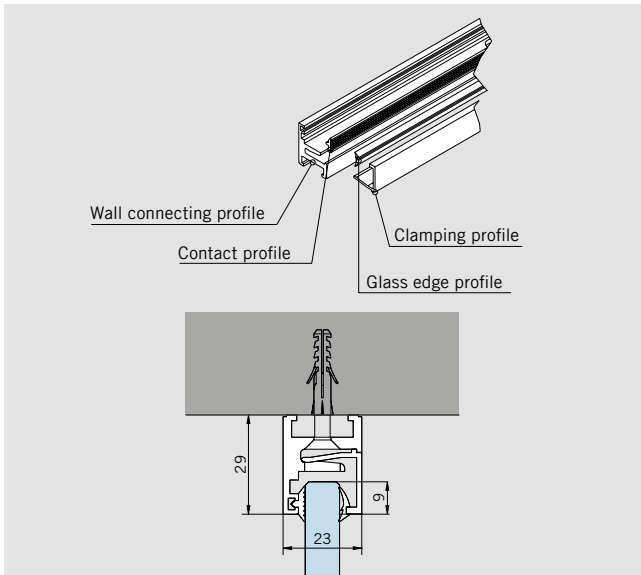


MR 22

in fixed length

Art. No. 07.250

Weight in kg/m:
aluminum 0.648

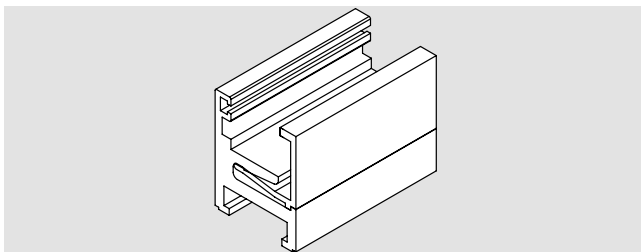
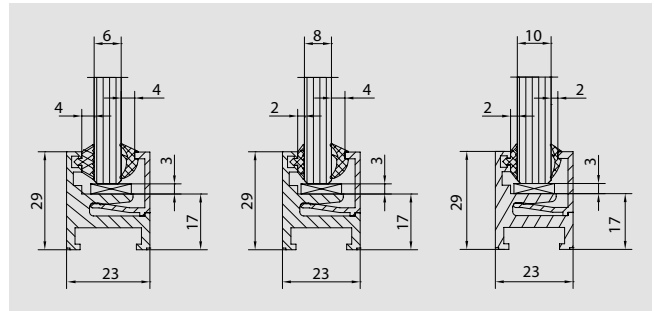


Base profile

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 installation instruction

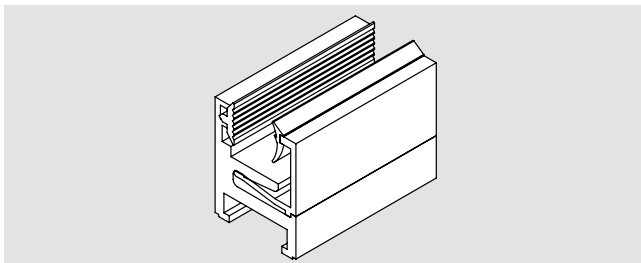


MR 28

in 6,000 mm stock length, without PVC profile

Art. No. 07.241

Weight in kg/m:
aluminum 0.802

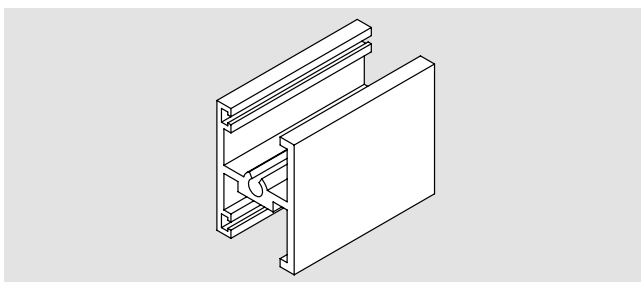


MR 28

in fixed length

Art. No. 07.251

Weight in kg/m:
aluminum 0.802

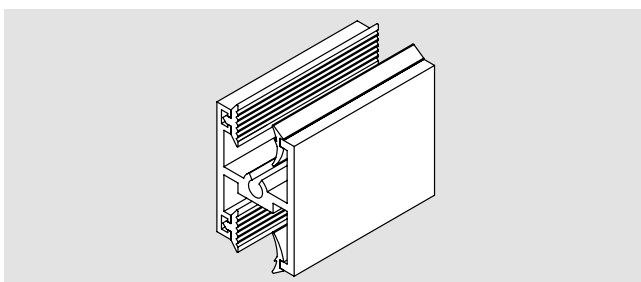


Georgian bar profile MR 28

in 6,000 mm stock length, without PVC profile

Art. No. 07.242

Weight in kg/m:
aluminum 0.542



Georgian bar profile MR 28

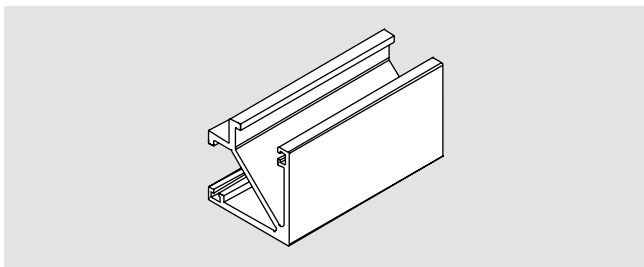
in fixed length

Art. No. 07.252

Screws for fixation at M 28 base profile are not included in delivery.

Recommendation:
counter sunk screw
4.2 mm x 32 mm

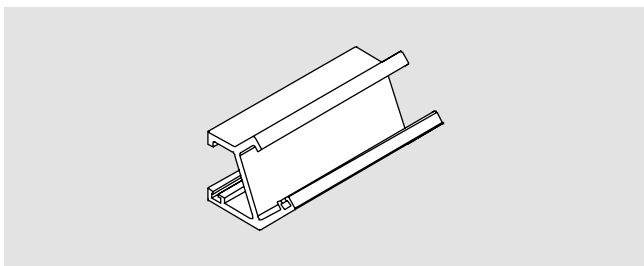
Weight in kg/m:
aluminum 0.542



MR 28 georgian bar profile 90°
in 6,000 mm stock length

Art. No. 07.258

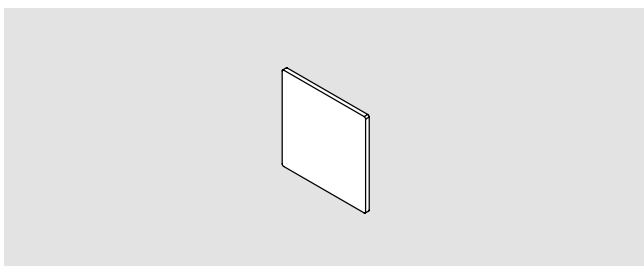
Weight in kg/m:
aluminum 0.598



MR 28 georgian bar profile 135°
in 6,000 mm stock length

Art. No. 07.259

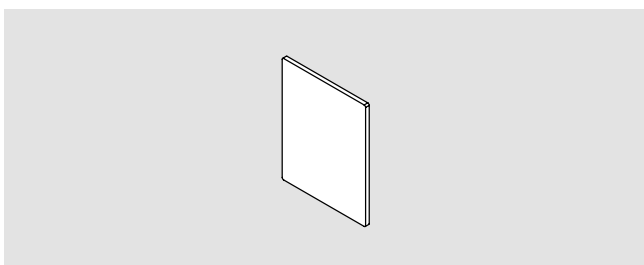
Weight in kg/m:
aluminum 0.466



End mounted plate MR 22

Art. No. 07.245

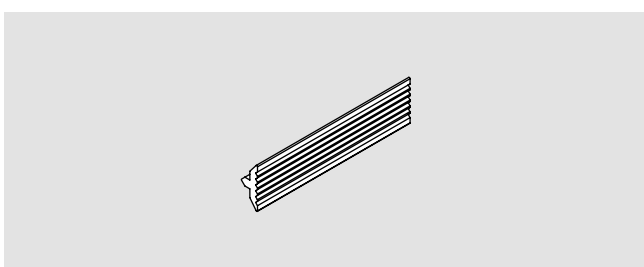
Weight in kg/pc:
aluminum 0.002



End mounted plate MR 28

Art. No. 07.246

Weight in kg/pc:
aluminum 0.002

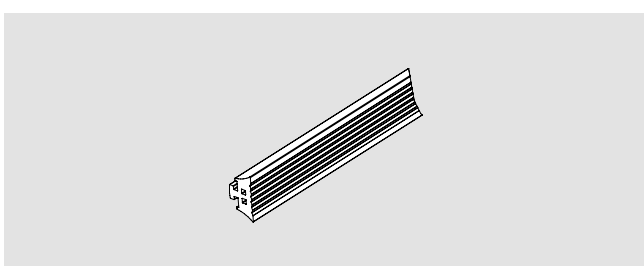


Contact profile
2 mm thick, grey

fixed length
stock length 50 m

Art. No. 07.255
Art. No. 07.265

Weight in kg/m:
PVC 0.023

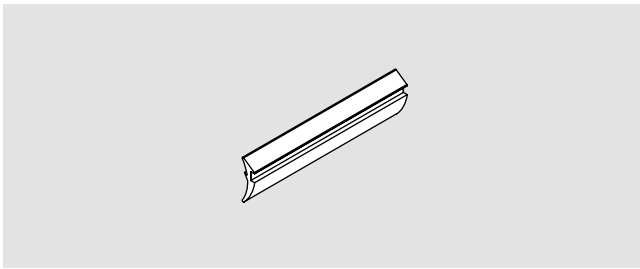


Contact profile
4 mm thick, grey

fixed length
stock length 50 m

Art. No. 07.256
Art. No. 07.266

Weight in kg/m:
PVC 0.037

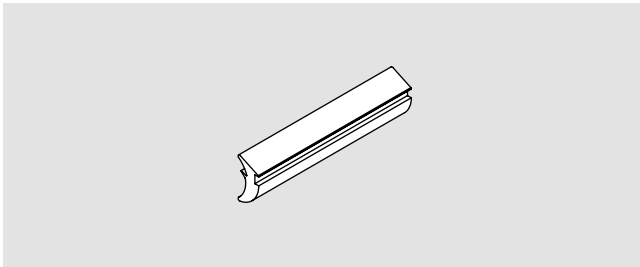


Glass wedge profile
2 mm thick, grey

fixed length
stock length 50 m

Art. No. 07.253
Art. No. 07.263

Weight in kg/m:
PVC 0.016

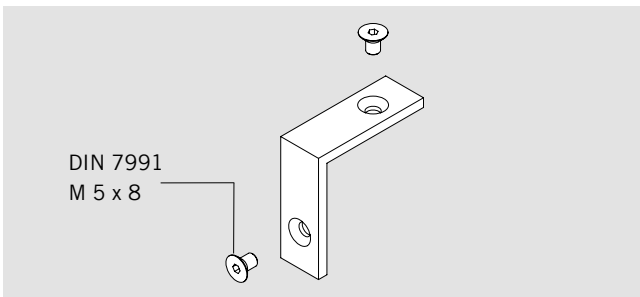


Glass wedge profile
4 mm thick, grey

fixed length
stock length 25 m

Art. No. 07.254
Art. No. 07.264

Weight in kg/m:
PVC 0.034

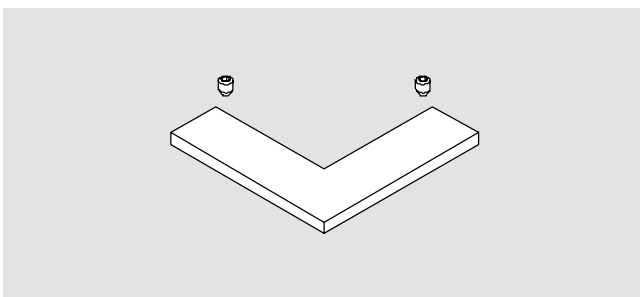


Corner connection set MR 28,
4 pieces per set

Art. No. 07.247

Weight in kg/pc:
aluminum 0.0021

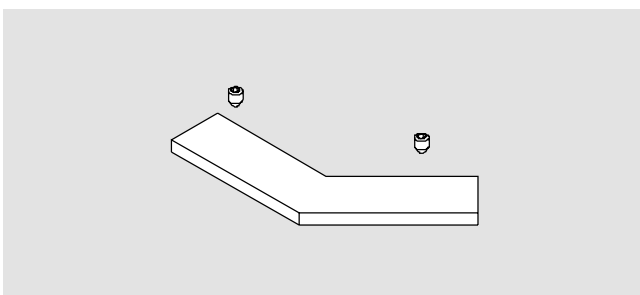
8 screws DIN 7991
M 5 x 8 included in scope of
delivery



Corner connection for MR 28
georgian bar profil 90°

Art. No. 07.248

2 grub screws DIN 916
M 4 x 5 included in scope of
delivery

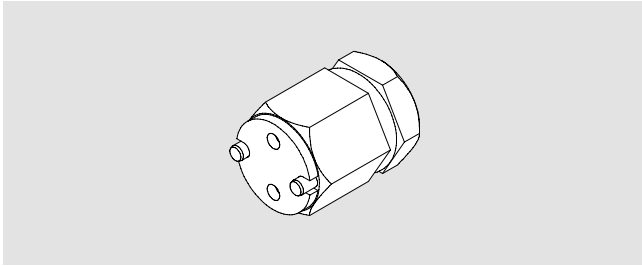


Corner connection for MR 28
georgian bar profil 135°

Art. No. 07.249

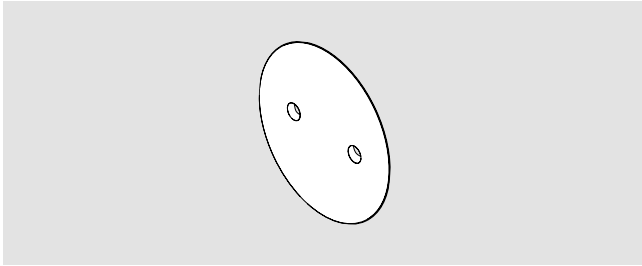
2 grub screws DIN 916
M 4 x 5 included in scope of
delivery

ACCESSORIES / ASSEMBLING AID



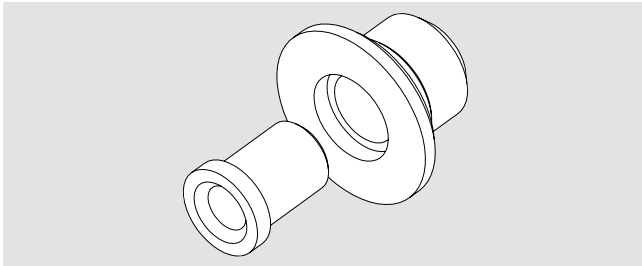
**Assembling tool for
MANET Single-point fixing**

Art. No. 21.134



**Clip-on cover for
single-point fixing
with spring,
5 pieces**

Art. No. 29.217



**Assembling tool for
MANET single-point fixing
(can also be used as attachment
for torque wrench)**

Art. No. 21.137

SAFETY-RELATED INFORMATION

Important safety-related information for the mounting and use of DORMA 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. DORMA recommends using TSG-H (heat soaked toughened safety glass) to DIN EN 12150-1.
2. DORMA 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 DORMA 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.



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.

