BARTOSINI®

2026 | Technical brochure Glass Sliding Walls

DORMA GLAS

HSW EASY Safe

Note: The pictograms in this price list are only intended to provide easier orientation.
They are not true to scale and do not represent the exact design of the products!
We reserve the right to make technical changes.
Our general terms and conditions can be found on the Internet at www.dorma-glas.com.

Our Sustainability Commitment
We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations.

Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impacts through its entire life cycle, DORMA-Glas provides Environmental Product Declarations (EPDs), in which the results of the life cycle assessment (LCA) are presented.

Support and Guide Elements

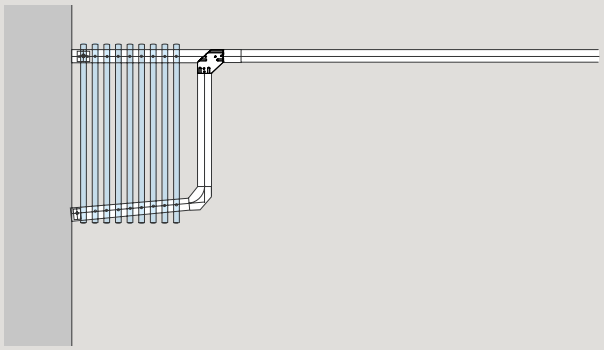
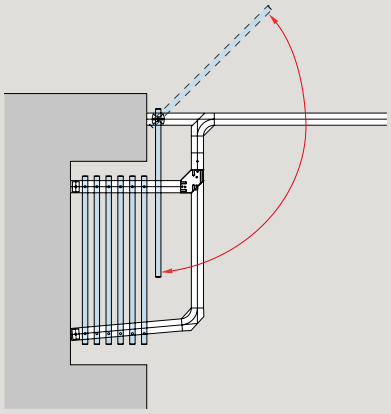
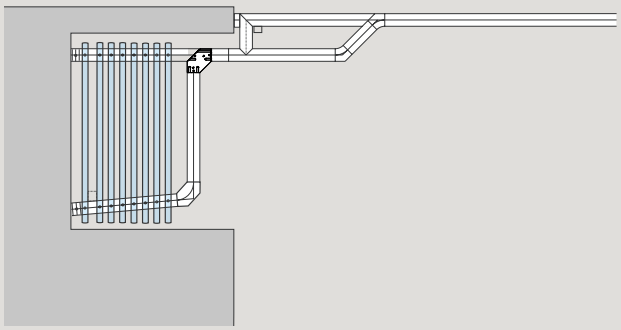
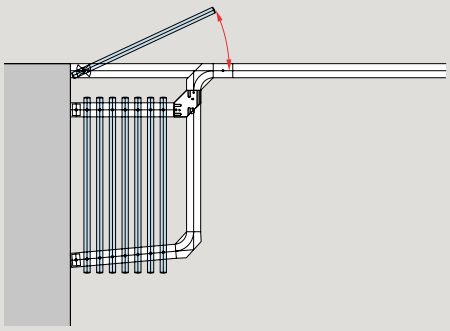

PROME
NADEN
GALERIEN
Herrenstraße

The right stacking arrangement for any situation

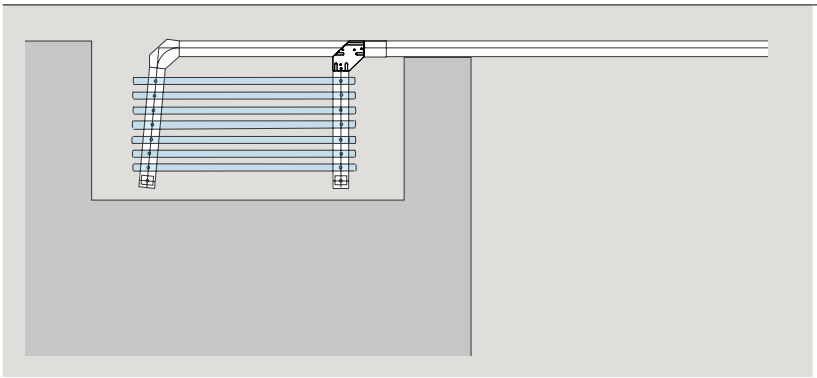
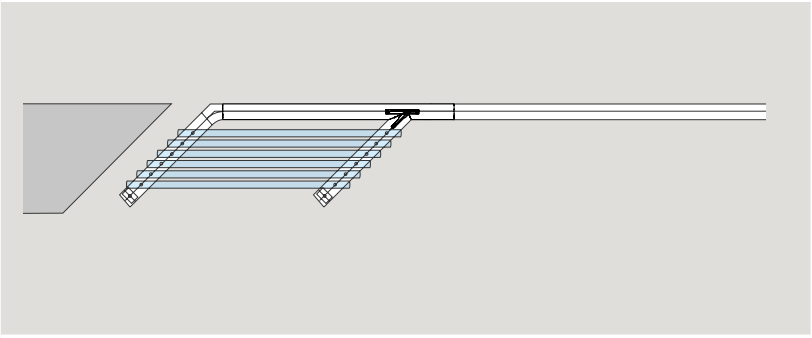
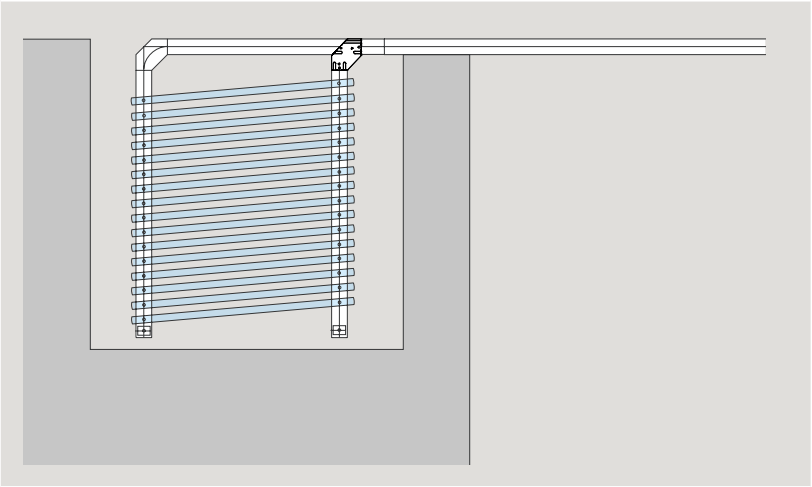
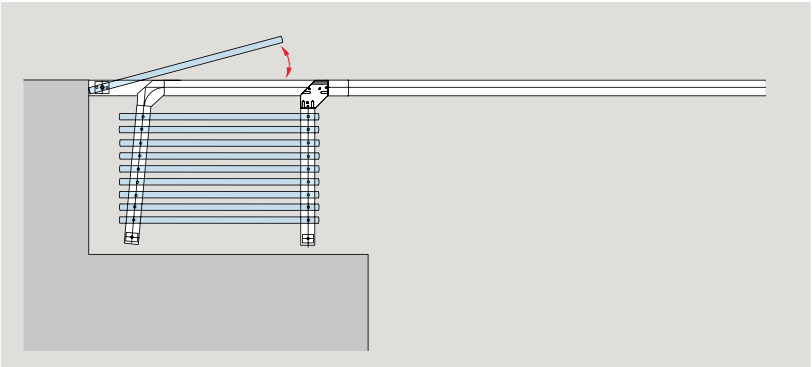
Perfect parking every time
Existing structures or unusual layouts often require special solutions, particularly in the design of the stacking area. DORMA-Glas HSW systems can be parked in a range of different positions. The stack of panels can be aligned parallel or square to the frontage, be readily visible for effect or hidden behind columns etc. Another possibility is that of parking the system in line but out of the way, whether behind a wall or in a niche (see also pages 8). The panels can also perform certain functions when the frontage is open, such as providing the sides of internal store windows and showcases, or, if provided with the appropriate printing on the glass, for adding artistic value to a wall. The following pages show some system solutions devised in answer to a wide range of different problems.

Panels transverse to travel direction

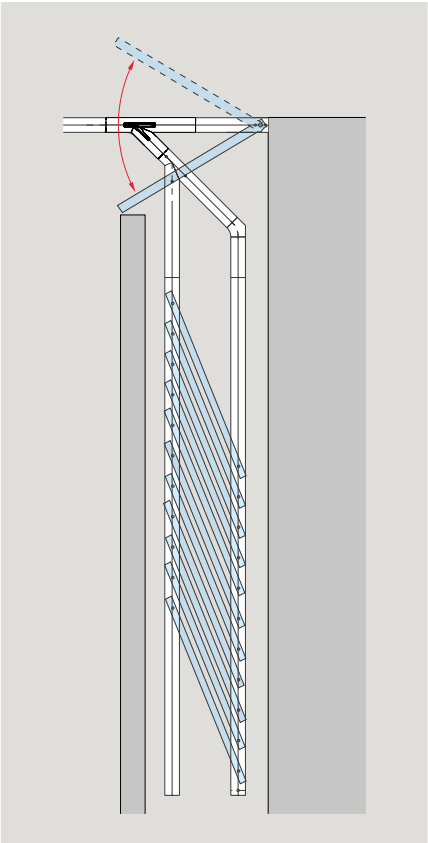
Panels stacked 90° angle transverse to travel direction

	Product description
	**Standard stacking arrangement.** With pivoting end panel, single- or double-action, to use as possible access leaf (left or right, or left and right).
	**Niche stacking.** With pivoting end panel, single- or double-action, to use as possible access leaf (left or right, or left and right).
	**Stacking with reshuffle bypass** (without pivoting end panel). Behind wall projection/fixed side panel (Left or right, or left and right).
	**Stacking behind pivoting end panel,** single-action or double-action (Left or right, or left and right).

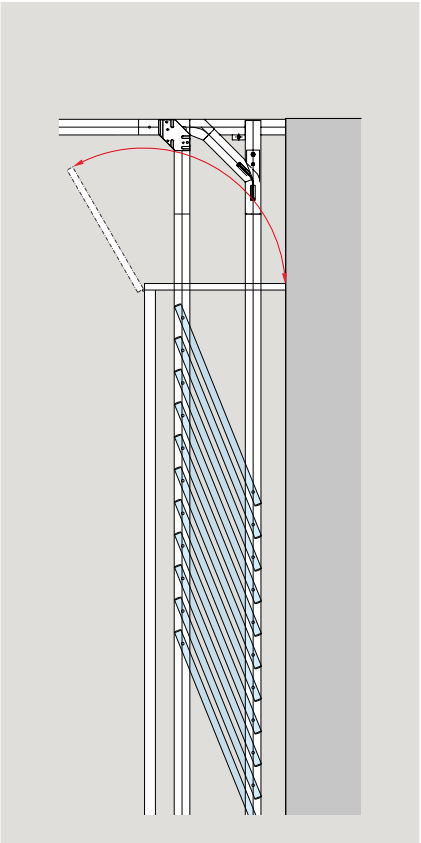
Panels parallel to travel direction

	Product description
	**Stacking in a niche, outer stacking leg at 95° angle** for small number of panels (up to 6) (left or right, or left and right).
	**Stacking legs at 135° angle** (left or right, or left and right).
	**Stacking legs at 90° angle** for large number of panels (more than 6) (left or right, or left and right).
	**Stacking behind pivoting end panel** Outer stacking leg at 95° (left or right, or left and right).

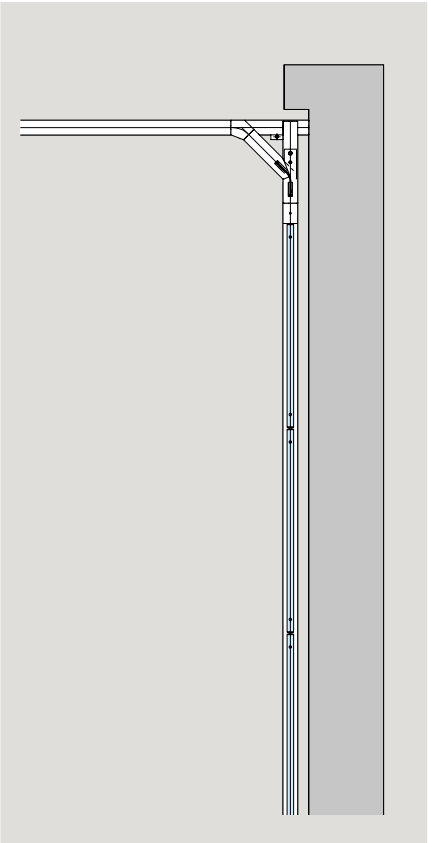
Special stacking arrangements



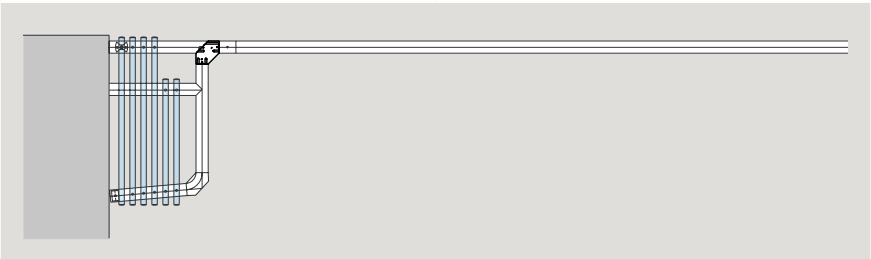
Stacking at the wall in closed compartment behind pivoting end panel, single- or double-action



Stacking at the wall in closed compartment without pivoting end panel, single- or double-action



Stacking in front of 90° wall with reshuffle bypass



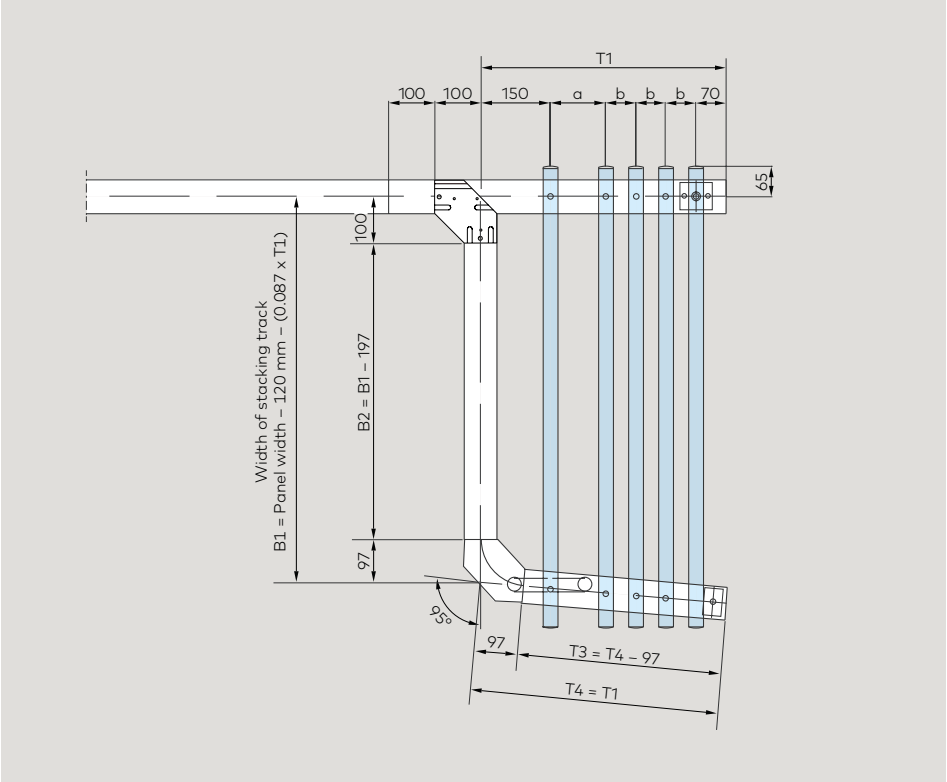
Stacking panels of varying width.

Stacking with one stacking leg for sliding panels in front of the pivoting end panel, single- or double-action, on each side (2 pivoting end panels/2 sliding panels).

Dimensions in mm.

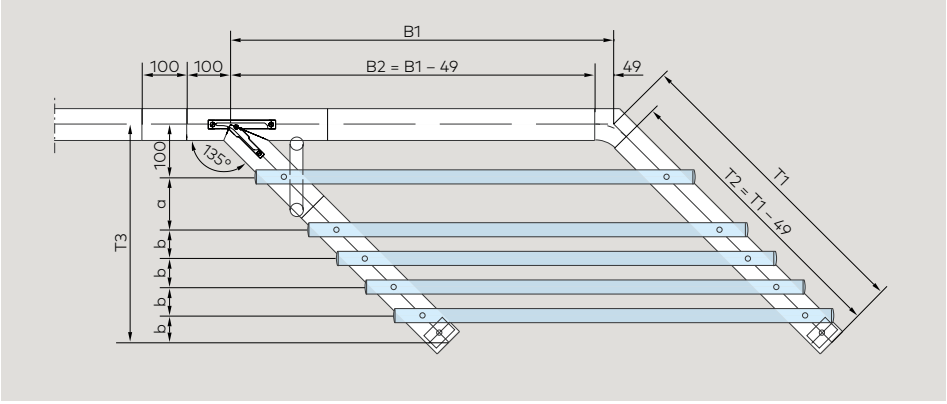
Stacking arrangement calculations

Panels stacked 90° angle transverse to travel direction (left or right, or left and right)



a = depending on pull handle depth
b = 65 mm for HSW EASY Safe
80 mm for HSW-R

Stacking legs at 135° angle (left or right, or left and right).

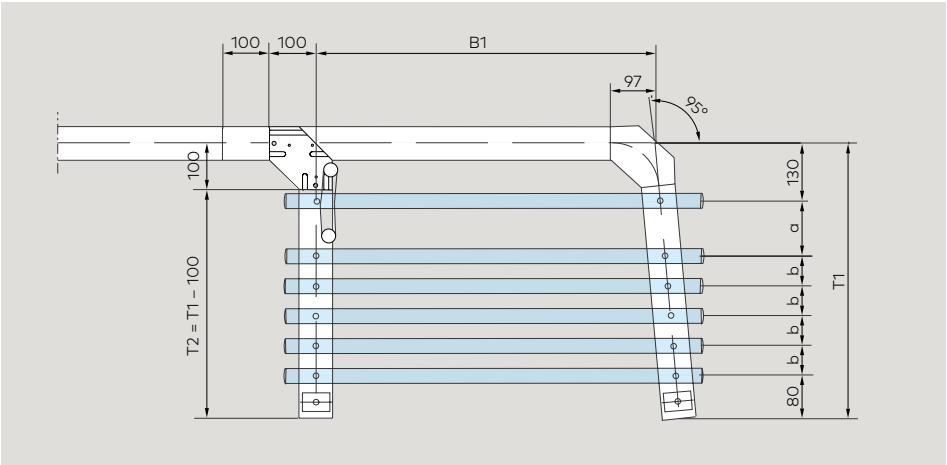


a = depending on pull handle depth
b = 65 mm for HSW EASY Safe
80 mm for HSW-R

B1 = Panel width – 130 mm
T1 = T3 x 1414 mm

Dimensions in mm.

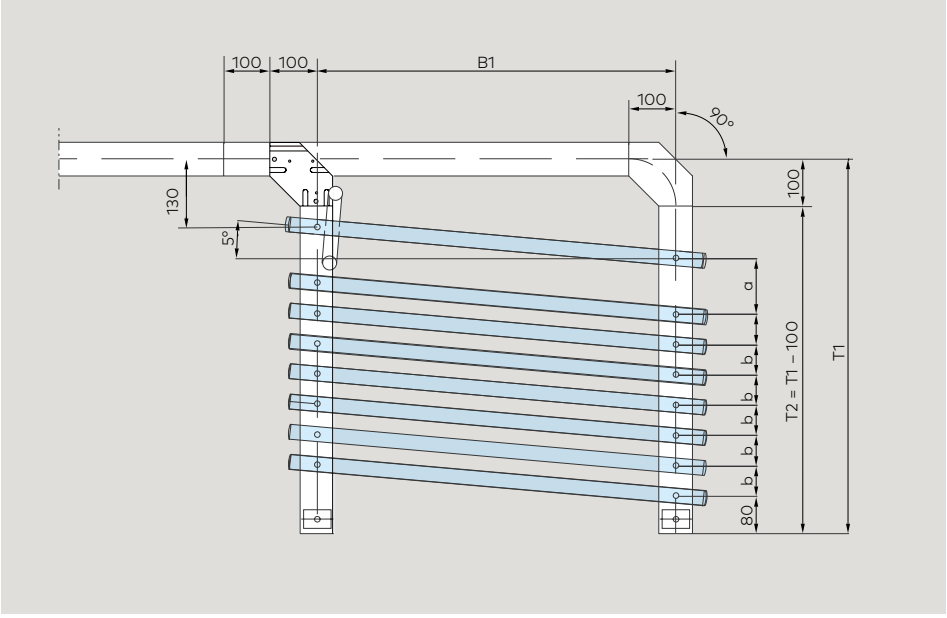
Stacking in a niche, outer stacking leg at 95° angle for small number of panels (up to 6) (left or right, or left and right).



a = depending on pull handle depth
b = 65 mm for HSW EASY Safe
80 mm for HSW-R

B1 = Panel width – 130 mm – ([T1 – 80] × 0.087)

Stacking legs at 90° angle for large number of panels (left or right, or left and right).

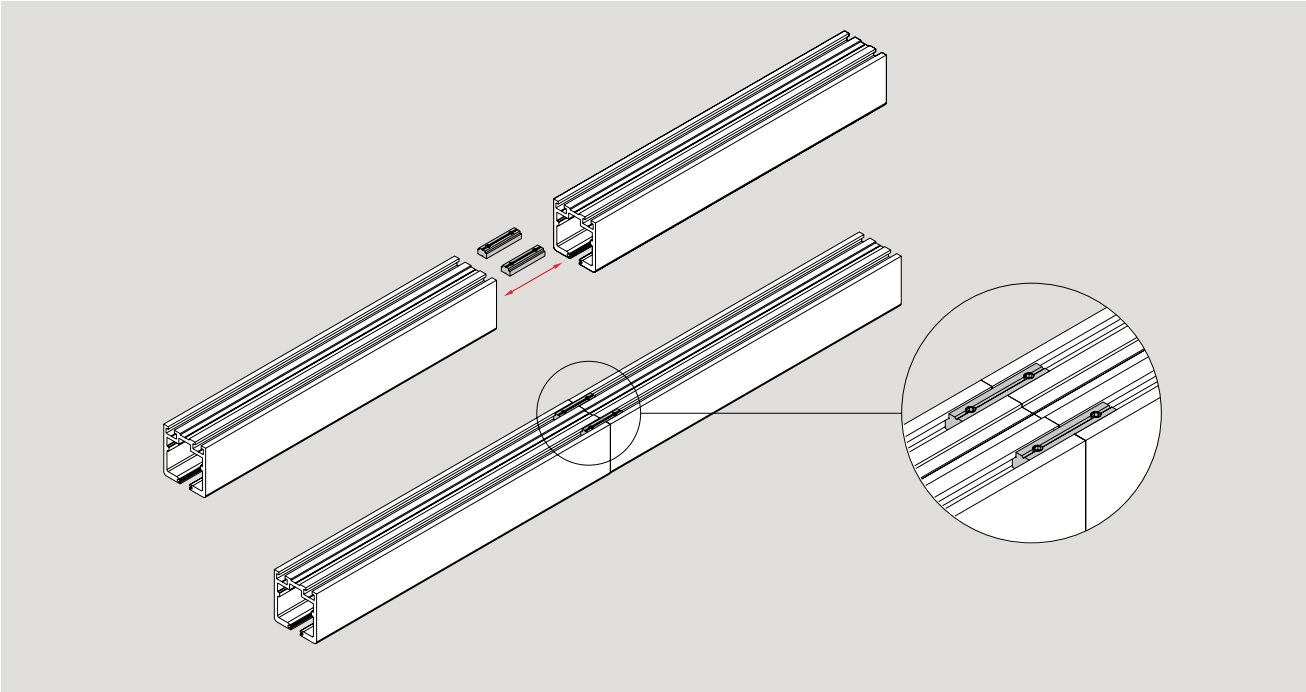


a = depending on pull handle depth
b = 65 mm for HSW EASY Safe
80 mm for HSW-R

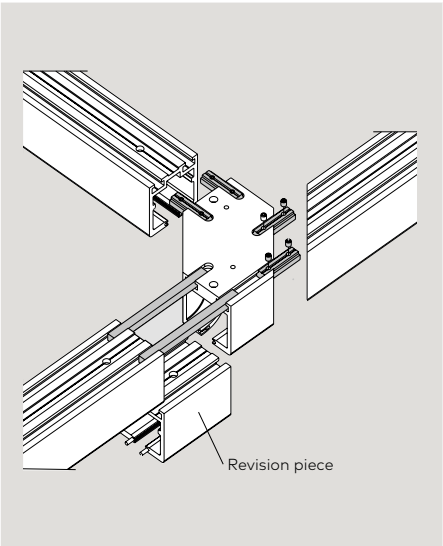
B1 = Panel width – 134 mm

An EasySafe system in the FlexTherm section.

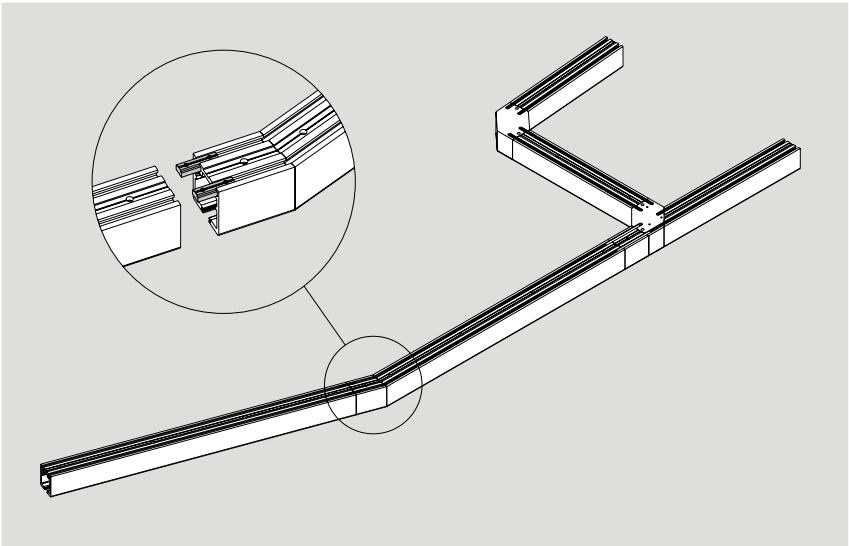
Single track rail section



Stacking construction

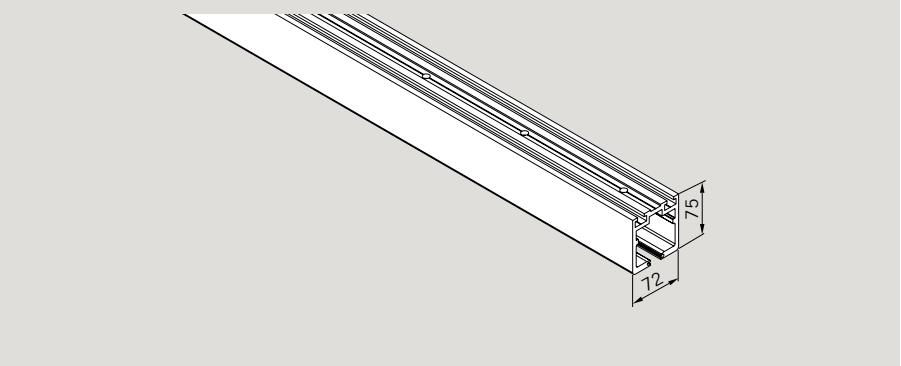


Segmented track rail section

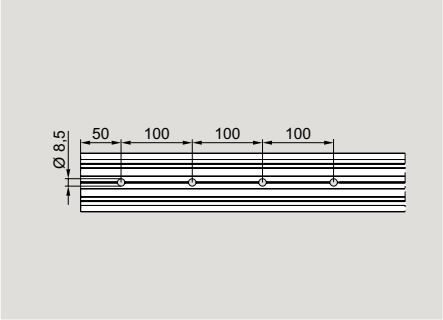


Flexible and stable
Horizontal sliding walls can be constructed in a wide range of different configurations to suit the site of installation, prevailing structural conditions and the planning concept. With DORMA-Glas HSW systems, a variety of designs can be implemented with ease. Straight and segmented track rails can be combined to produce virtually any serpentine shape required. The track rails in the form of hollow sections combine all the virtues of light weight, stability and torsional stiffness. And when combined with the HSW substructure, installation becomes even easier. Flexibility and stability mean that even unusual system configurations can be implemented without problem to give maximum functional reliability.

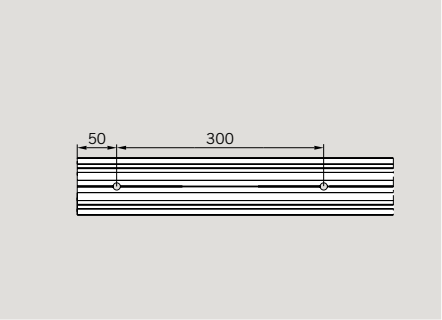
Straight track rail



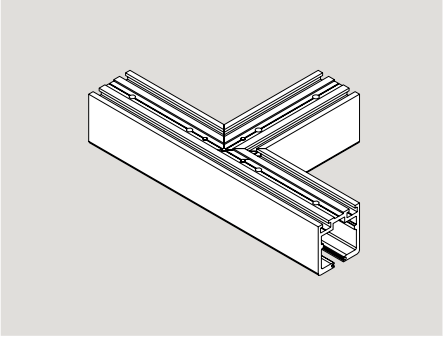
Track rail at stacking area

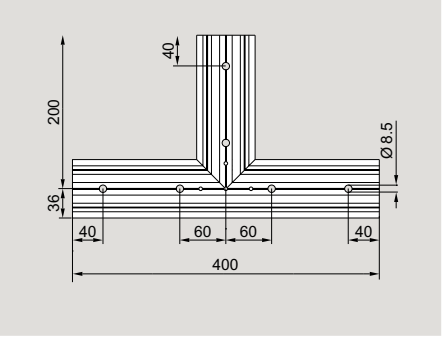


Track rail at assembly frontage



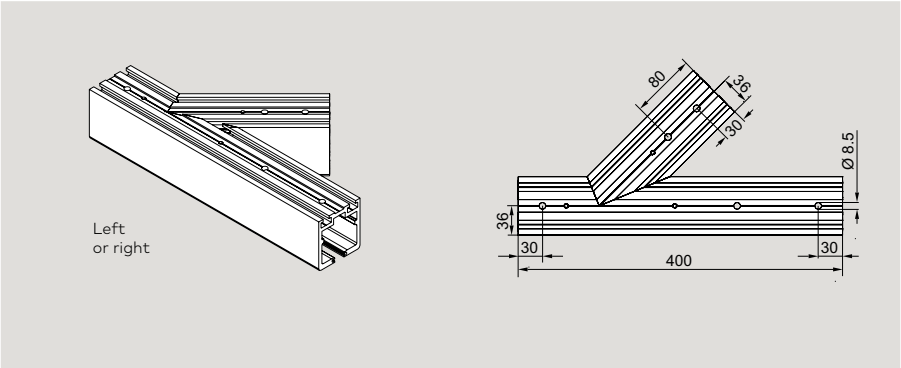
90° T-piece



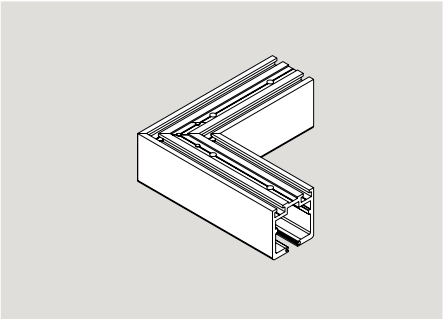


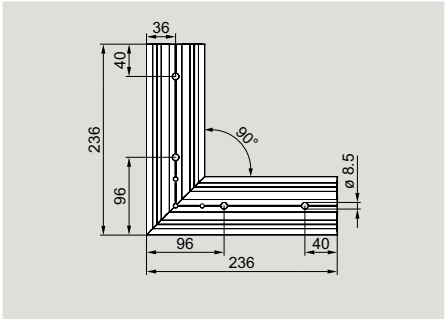
Dimensions in mm.

135° T-branch

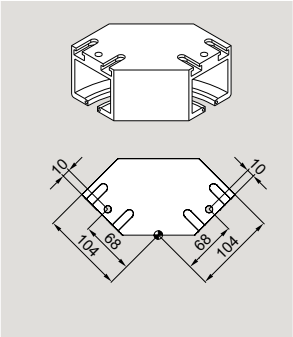


90° L-piece

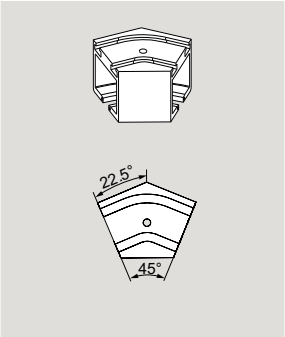




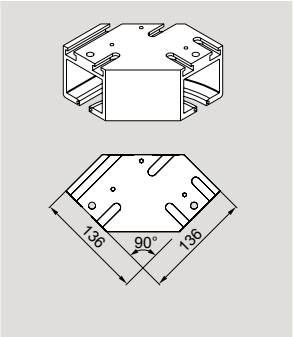
Module 07/09 for 90°/95° angle



Module 06 for 45° angle



Module 04/05 90° angle left/right



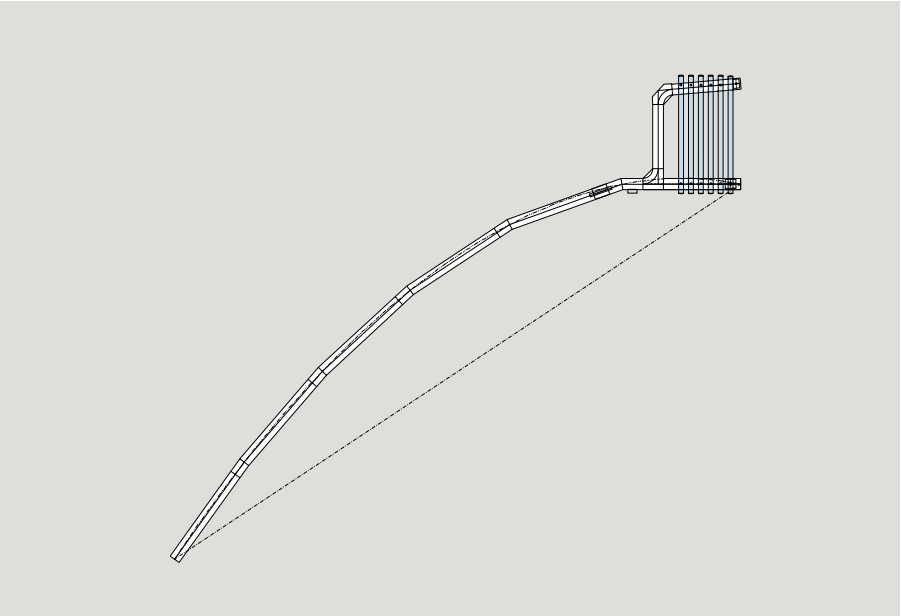
Straight track rail

For a straight-line system configuration, a drill hole interval of 300 mm in the track rail is sufficient, while the stacking area requires an interval of 100 mm. Where the track assumes an angle of 161 – 179°, the track rail is mitred, while at angles between 90 and 160°, a segment is incorporated. The standard modules available are indicated in the adjacent illustrations.

Dimensions in mm.

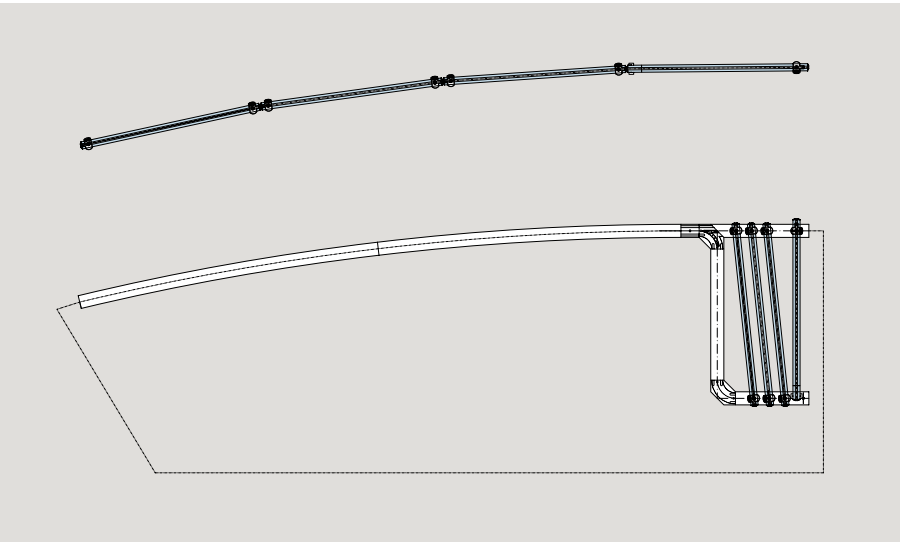
Segmented track rail
With the segmented track rail, it is possible to implement the DORMA-Glas HSW as a polygonal partition or frontage. In so doing, it is essential to note the following requirements:

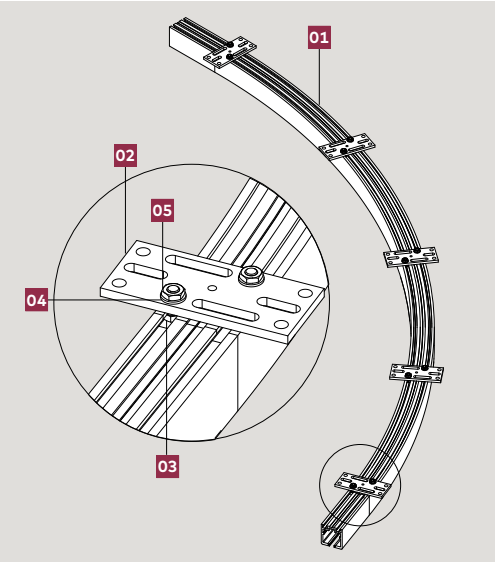
- The panel width and segment chord length must be properly coordinated;
- Segment panels are provided at the bottom with locks or face-mounted floor bolts
- It is important to ensure that the opening sweep of single-action and double-action panels does not give rise to collisions.



Curved track rail
The curved track rail is offered for installing a rounded track rail of a DORMA-Glas HSW system. The following technical conditions are applicable here:

- Only sliding panels can be used in the curved track rail area
- The curved track rail must be foregone in the stacking area
- A top locking device cannot be installed. Each panel gets two front locking devices
- In case of installation in the stacking area, a 100 mm long piece of straight track rail is required
- Tails of the curved installation can be designed with standard modules
- Min. bending radius is 3500 mm (smaller radius upon request)
- If elliptic system configurations are required, it is decided in each individual case. Drawings are required for this
- Curve start and curve end are principally performed with a 90° saw cut (rotary saw cut)





Maximum length of a single arc section = 2600mm
(measured outer edge or track)

No	Unit	Description
01	1	Bended track
02	5	Adapter plate for substructure (84021200099)
03	10	ISO 4017-M10x20-8.8 verz.
04	10	ISO 7089-10-200 HV/St. verz.
05	10	ISO 4035-M10-05 verz.

Panel Systems

HSW EASY Safe

Security in use and elegance in design

Outstanding strengths of the HSW EASY Safe system:

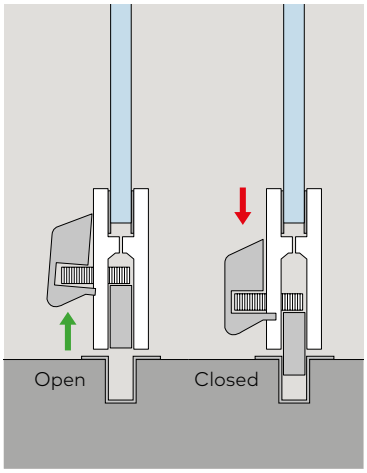
- The optional safe use of laminated safety glass increases security and also widens the creative possibilities.
- A visible status display with a clear colour system indicates the status of the top locking device on the single-action sliding panel or double-action sliding panel. This gives a better overview and even more security.
- Double brush seals in the top and bottom door rails, successfully minimize drafts.

Simple locking with hand or foot

Multilock – Three locking possibilities in one component

The new Multilock system opens up a new world of simplicity
The Multilock combines three locking possibilities in one compact element and can be installed effortlessly in the bottom door rail.

Easy foot-operated opening and closing



Simplicity with clear benefits:
The 3-in-1 Multilock can be offered in three options for secure locking: side locking device, front locking device or cylinder lock.

- Maximum convenience with foot-operated locking options for the face-mounted floor bolt – simple and hassle-free.

Innovative hold for more security

VSG – Improved security with the optional use of laminated safety glass

Creative freedom combined with security
Thanks to the innovative Clamp&Glue bonding technology, the HSW EASY Safe system allows the use of highly secure laminated safety glass. With the insertion of inlays within the laminated safety glass, the horizontal sliding wall can be used as a custom design element, thus setting new standards in interior design.

Hassle-free installation thanks to the new Clamp&Glue technology
The fixing process with HSW EASY Safe is incredibly simple. The special adhesive is fed through an injection hole in the two upper door rail halves to the adhesive channel where it spreads out evenly. After a drying time of just 15 minutes the panel can then be installed.

Attractive added value:

- Laminated safety glass makes the application of HSW EASY Safe not only attractive, but also more secure.
- The innovative Clamp&Glue technology enables easy bonding and also ensures that fittings and LSG (from TSG) are held firmly in place.
- Special inserts in the laminated safety glass offer huge design freedom as well as additional functions such as protection from the sun, noise reduction and privacy screening.

The inlay can be gradually pressed out using clamping force. The bonding of the glass with the fitting prevents the fitting from slipping out of the glass due to possible decrease in clamping force.

Product overview

HSW EASY Safe
With the HSW Easy Safe glass sliding wall, the panels create a continuous transparent face completely without side frame elements. Under certain circumstances, an additional wind deflector can, however, be provided at the glass edges as a preferred option.

FSW EASY Safe
The FSW EASY Safe glass sliding wall offers both high transparency and enhanced user safety. Door rails top and bottom and roller carriers at the end of every second panel make it ideal for inline configurations. Visually compatibility with HSW EASY Safe panels means that both systems can be effectively combined in the access frontages of a building.

Use and features	HSW EASY Safe	FSW EASY Safe
Shop fronts	●	●
Shop fronts with climate barrier function		
Internal room divider	●	●
Glass thicknesses (mm) Toughened safety glass (TSG)	10/12/13/ 15/17/19	10/12/13/ 15/17/19
Glass thicknesses (mm) Laminated safety glass (comprising TSG sheets)	10,8/12,8/13,5/ 15/17/19	10,8/12,8/13,5/ 15/17/19
Assembly height (max. mm)	4.000	3.000
Panel width (max. mm)	1.250	1.100
Panel weight (max. kg)	150	80
Access panels (pivoting type)		
– Pivoting end panel, single-action	●	●
– Pivoting end panel, double-action	●	●
– Offset hung end panel	●	●
– Single-action sliding panel	●	●
– Double-action sliding panel	●	●
– Invisibly integrated door closer ITS 96	●	

● Standard ○ Optional * Weight dependent on panel fittings [1)] also usable for double glazing units.

Panel design

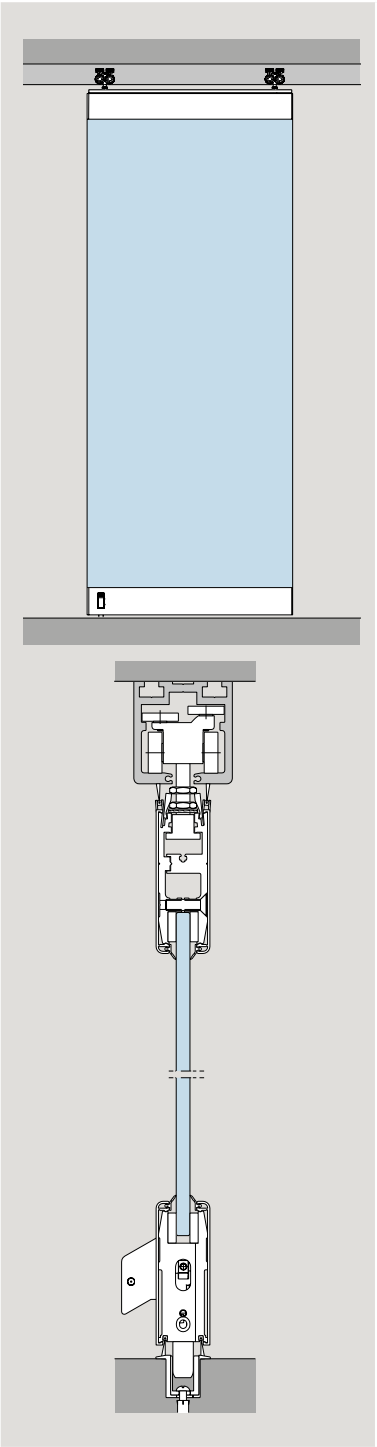
With the features that the different panel types have in common **HSW EASY Safe** satisfies all the requirements placed on transparent façades in the typical applications that arise.

- All panel types are provided with a bottom and a top door rail, which hold the glass safely.
- HSW assembly only with sliding panels, pivoting end panels and fixed panels can do without an additional carrier profile. For single- and double-action sliding panels the carrier profile is indispensable. When an assembly incorporates single- or double-action sliding panels then the carrier profile is provided for all panel types.
- The glass panes can have the following glass thicknesses: 10 mm, 10.8 mm, 12 mm, 12.8 mm, 13.5 mm, 15 mm, 17 mm and 19 mm. (tolerance range +/- 0.5 mm)
- When using laminated safety glass the Clamp&Glue technology provides secure hold without the need for glass drilling.
- The top panel profile (either door rail or carrier profile) incorporates a double brush seal as standard. As an option the bottom door rails can have double brush seals as well.
- Excellent draft protection is reached when additional sealing profiles with matching double brushes are used at the vertical glass edges as well.

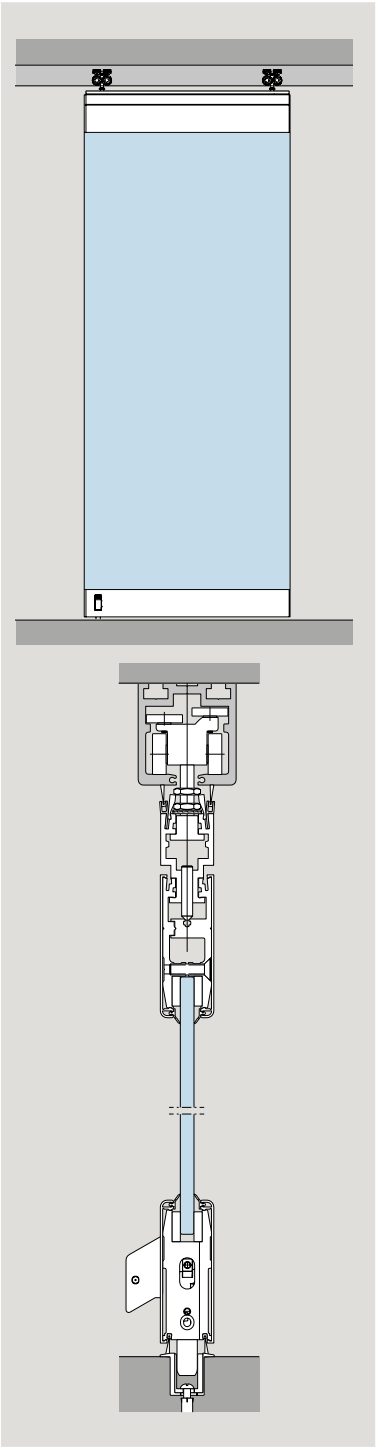
HSW EASY Safe is certified to have reached the following tests:

- Wind load (Frame bending): EN 12210 Class 1
- Endurance strength: DIN EN 1527 Class 3 and DIN EN 1191 Class 3
- Side impact: DIN EN 13049 Class 5 (highest class)
- Corrosion: DIN EN 1670 Class 4
- EPD (Environmental Product Declaration): ISO 14040

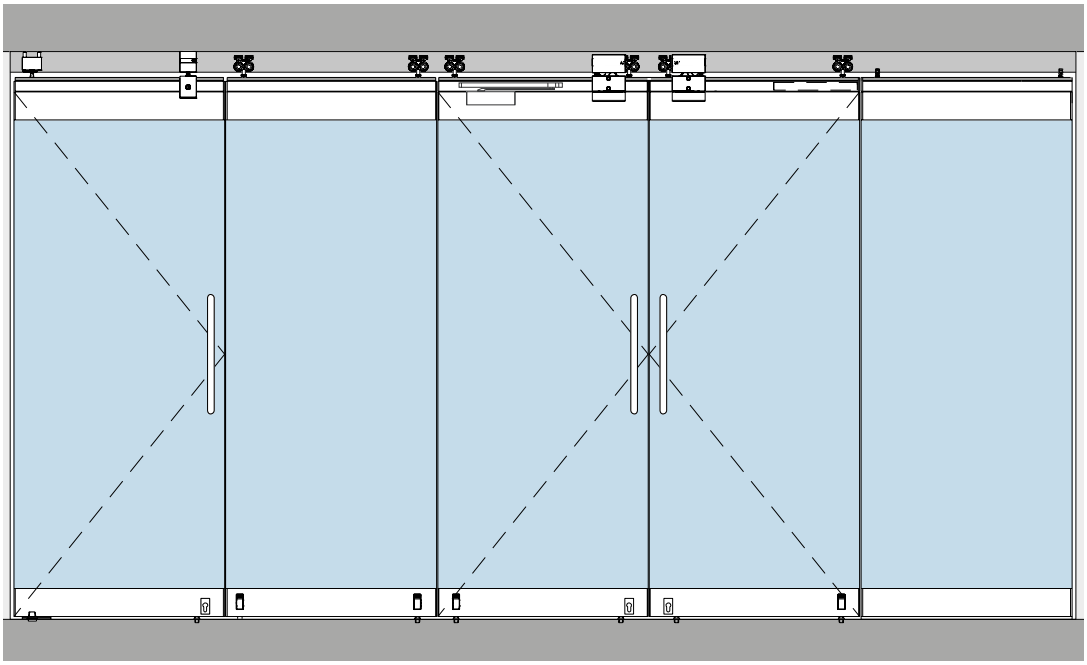
Sliding panel
without carrier profile



Sliding panel
with carrier profile



HSW EASY Safe – Panel functions



A presentation of the offset hung end panel and the slding folding panel is available on pages 61 and 62

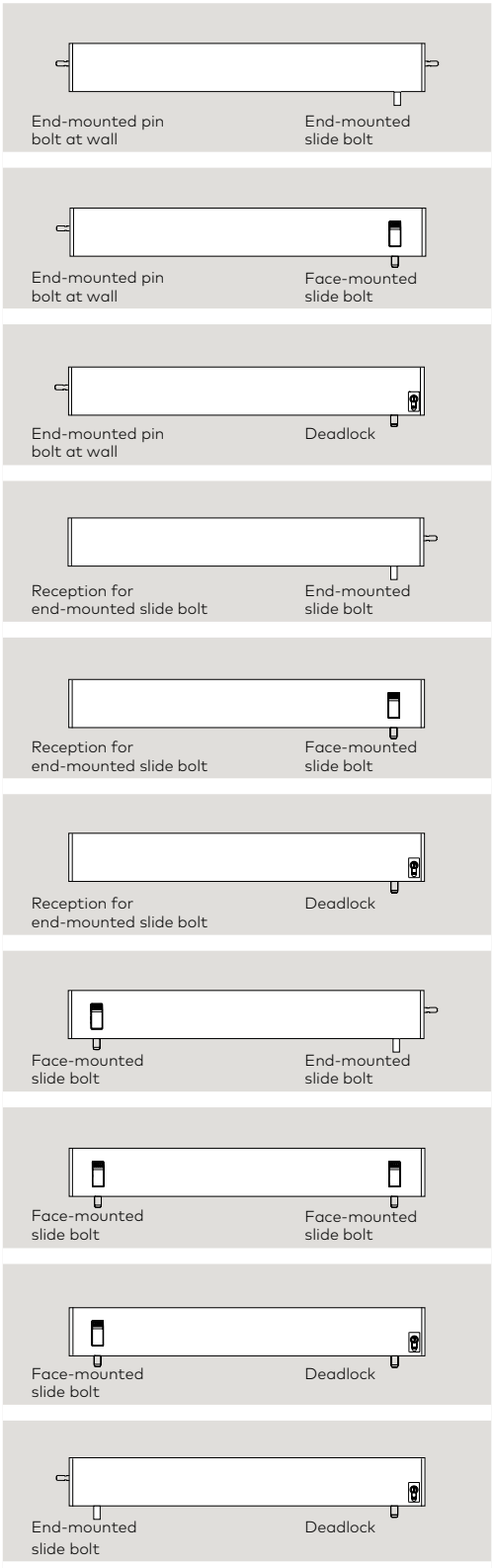
	Pivoting end panel, single- or double-action Non-sliding. Single-action panel with floor pivot and dormakaba TS 92/dormakaba TS 73 door closer. Double-action panel with floor pivot or dormakaba BTS 80 floor spring.	**Sliding panel** Basic movable panel without additional function.	**Single-action sliding panel*** Single-action sliding panel with dormakaba TS 92 cam-action door closer, operational when frontage closed. (Alternatively with ITS 96.)	**Double-action sliding panel*** With ITS 96 door closer, operational when frontage closed.	**Fixed panel** Fixed panel design matching the design of the sliding panels in the assembly.
Max. panel height	4000 mm	4000 mm	3600 mm	3600 mm	4000 mm
Min. panel width			870 mm	870 mm	
Max. panel width	1250 mm	1250 mm	1250 mm (1100 mm)	1100 mm	1250 mm
Max. panel weight	150 kg	150 kg	120 kg**	120 kg**	150 kg

The individual panels can also be of differing widths. The largest width should not exceed max. 115% of the smallest width.
*For these panel types please consider our notes on portal systems on page 137.
**Note: The maximum permissible weight relates to the complete door assembly, including handles.

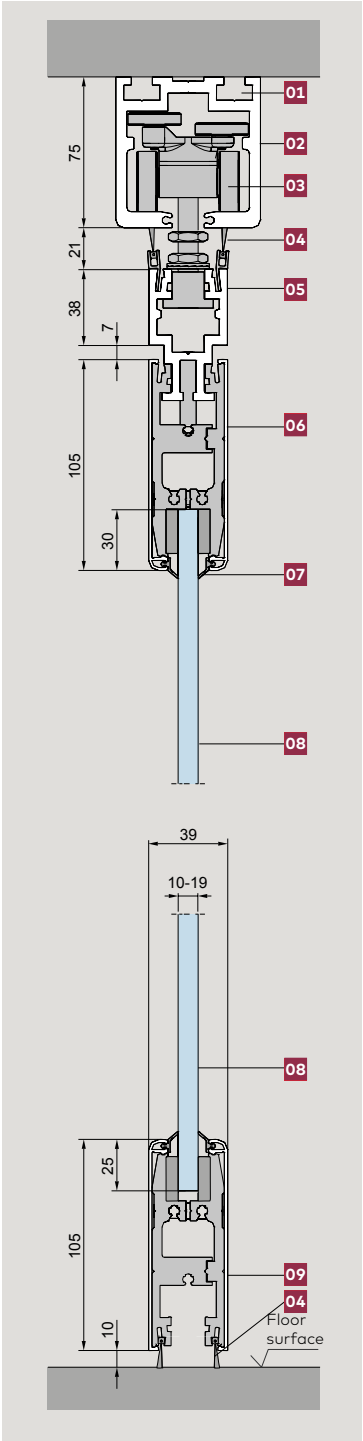
Door rails and general details

Bottom locking devices

All depicted combinations are also available as mirror arrangements.



General parts and measurements



Irrespective of the function of the individual panels, an HSW EASY Safe system comprises the following basic components:

01
Two parallel channels suitable for M 10 screws and clamp connectors

02
Track rail

03
Roller carrier

04
Double brush seals on top (bottom layout is optional)

05
Carrier profile

06
Top door rail and (consisting of basic profiles, cover profile and lateral end caps)

07
Rubber seal, bridges the gap between cover profile and glas panel

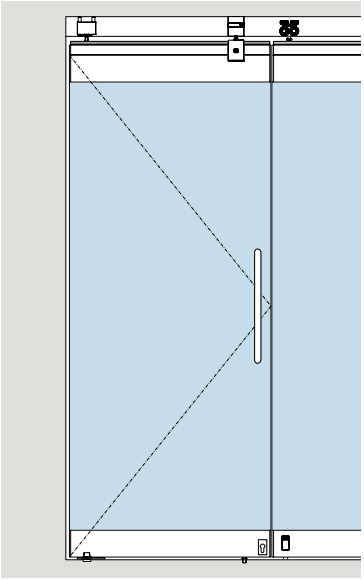
08
Toughened safety glass or toughened laminated safety glass 10–19 mm (by others)

09
Bottom door rail, both comprising base profiles with cover profiles and end caps

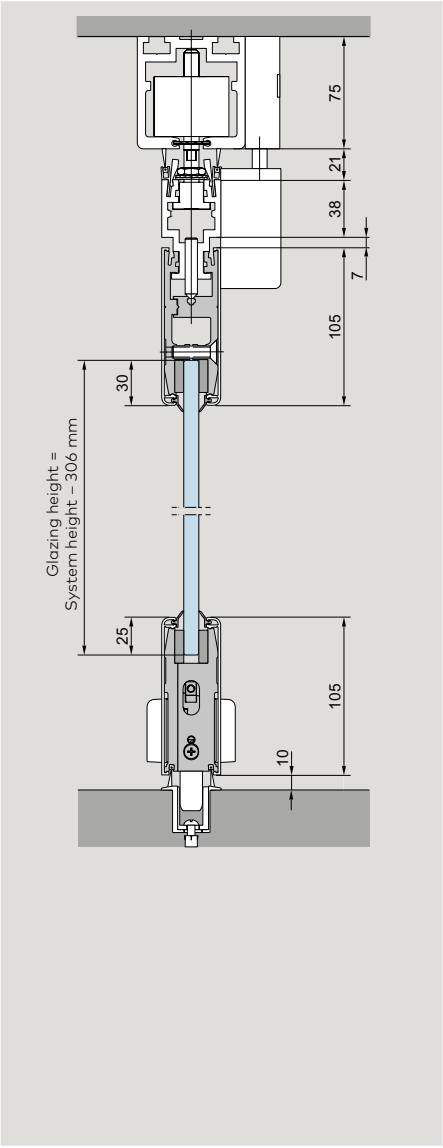
Dimensions in mm.

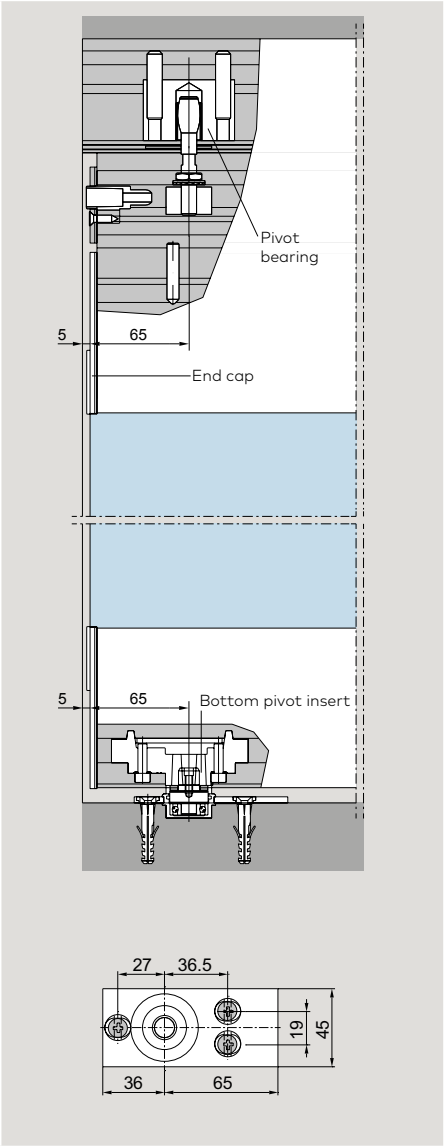
Pivoting end panel

single- or double-action



Pivoting end panel, single- or double-action, with floor pivot
Non-moving and always equipped with a locking dead-lock and the option for an additional upper locking unit.

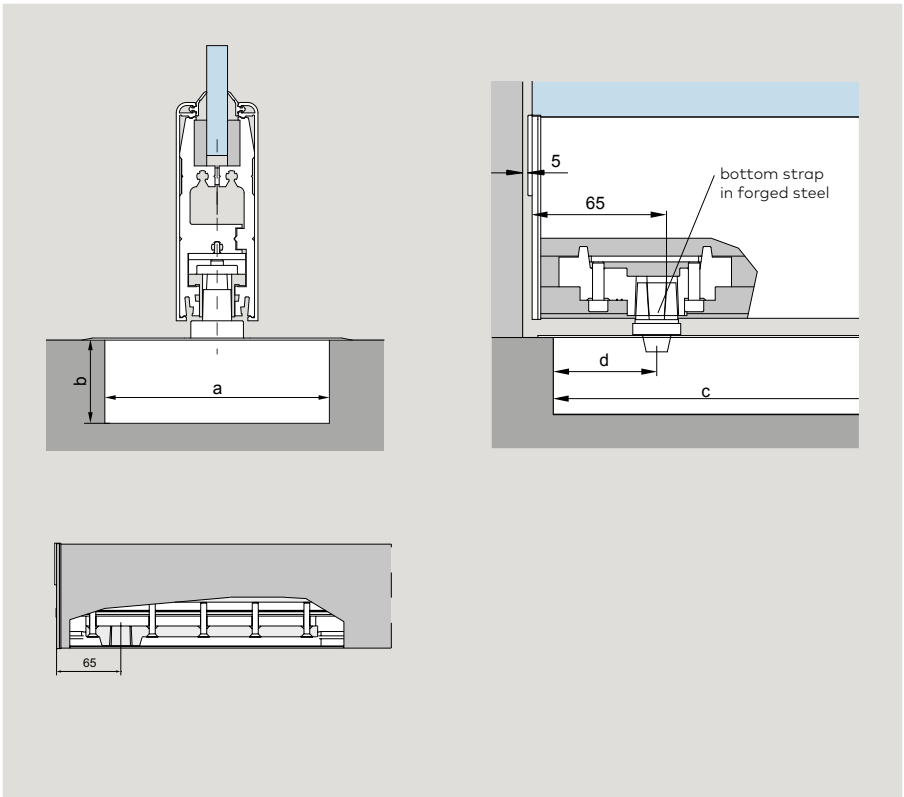




Pivoting end panel, single-action
with stop-type end caps top and bottom.
Pivot point variants:
- Floor pivot with round spindle, optional combined with dormakaba TS 92 overhead door closer*
- dormakaba BTS 84 for panels up to 100 kg, with optional hold-open at 90° door opening angle
- dormakaba BTS 80 for panels up to 150 kg with adjustable hold-open device

Pivoting end panel, double-action
Pivot point variants:
- Floor pivot with round spindle
- dormakaba BTS 84 for panels up to 100 kg, with optional hold-open at 90° door opening angle
- dormakaba BTS 80 for panels up to 150 kg with adjustable hold-open device

Pivoting end panel, single- or double-action, with floor spring



Mounting dimensions (in mm)

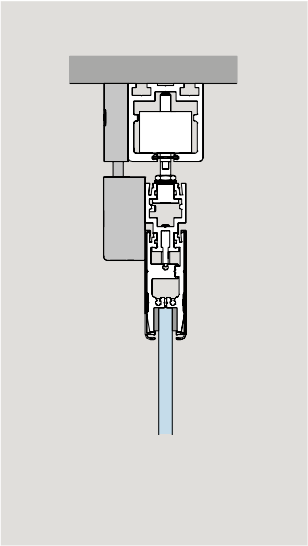
	dormakaba BTS 84	dormakaba BTS 80
a	108	78
b	40	60
c	306	341
d	51–58	51–57

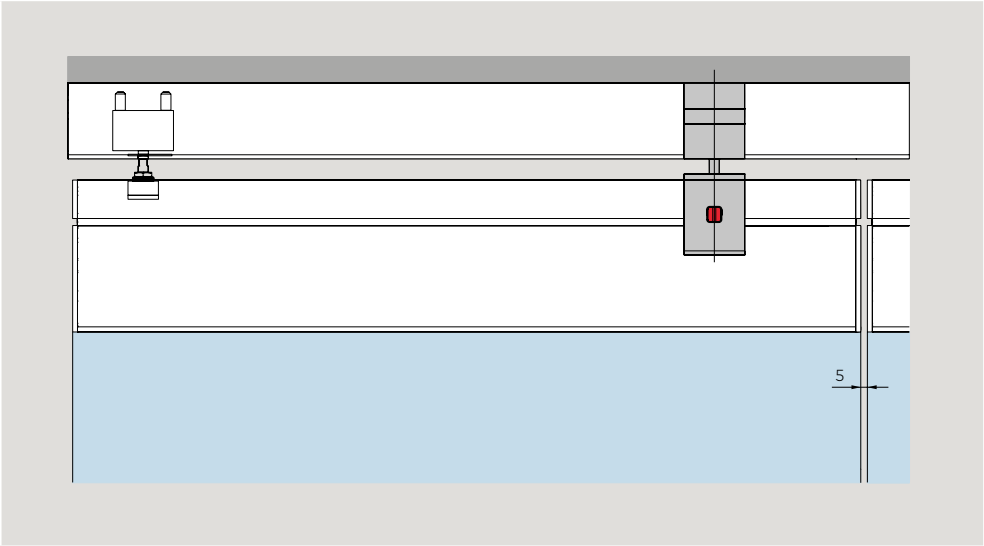
* Data and features dormakaba TS 92 see page 55.

Dimensions in mm.

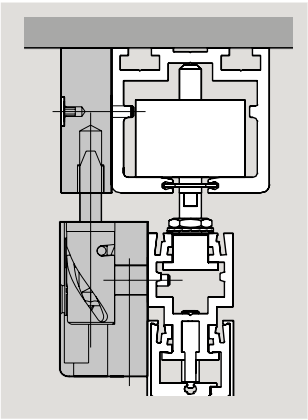
Pivoting end panel

single- or double-action, with additional upper locking bolt

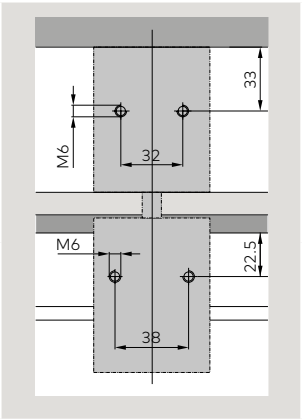




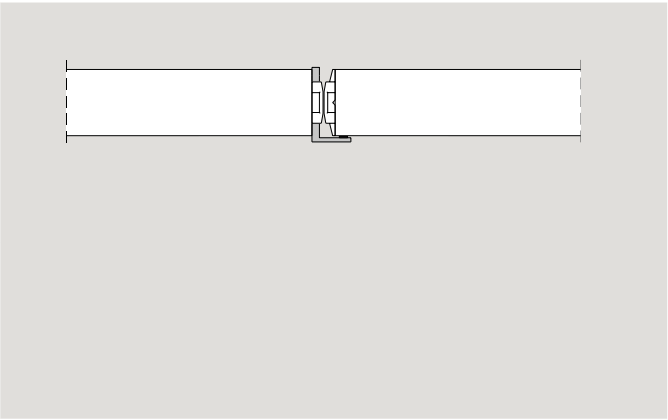
Additional upper locking bolt



New drill hole of pattern



End cap with stop (optional)



Dimensions in mm.

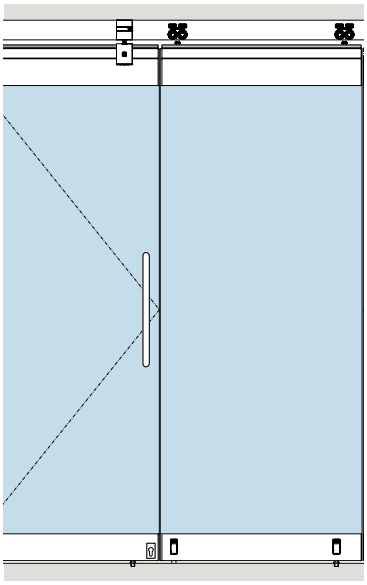
Data and features		dormakaba BTS 80			dormakaba BTS 84		
Spring strength (EN)		3	4	6*	2	3	4
Standard and external doors	≤850 mm				●		
	≤950 mm	●				●	
	≤1100 mm		●				●
	≤1400 mm			●			
Closing speed adjustable by valve	130°–0°				●	●	●
	130°–20°				●	●	●
	175°–0°	●	●	●			
Delayed action (adjustable by valve) (selectable alternative to the hold-open feature)		●	●	●			
Max leaf weight (kg)		300	300	300	100	100	100
Hold open	90°				●	●	●
	adjustable	●	●	●			
Dimension	Length	341	341	341	306	306	306
	Overall width	78	78	78	108	108	108
	Height	60	60	60	40	40	40
Door closer tested to EN 1154		●	●	●	●	●	●

* Note: Special components are required for spring thickness EN 6, see page 49 below.

Dimensions in mm.

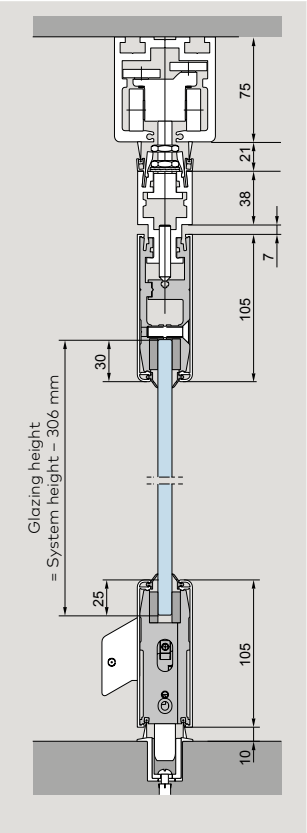
Sliding panel

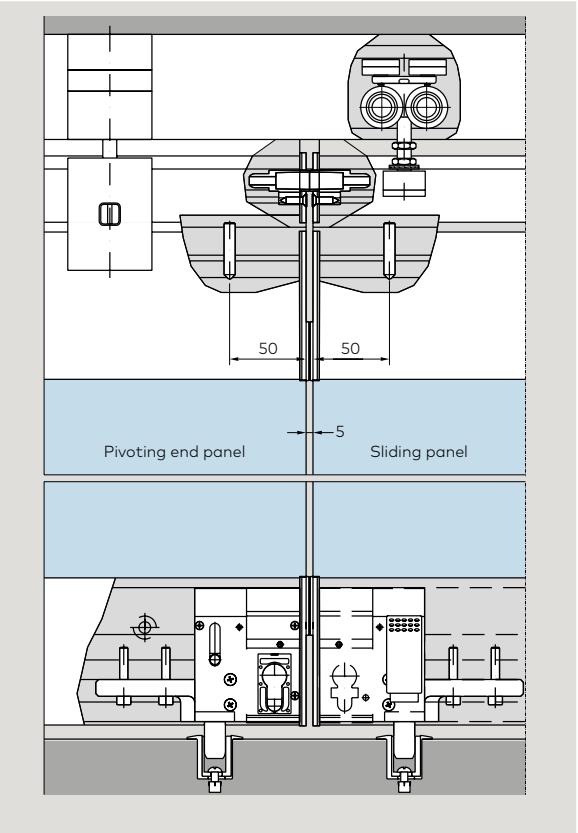
Basic movable panel without additional function.



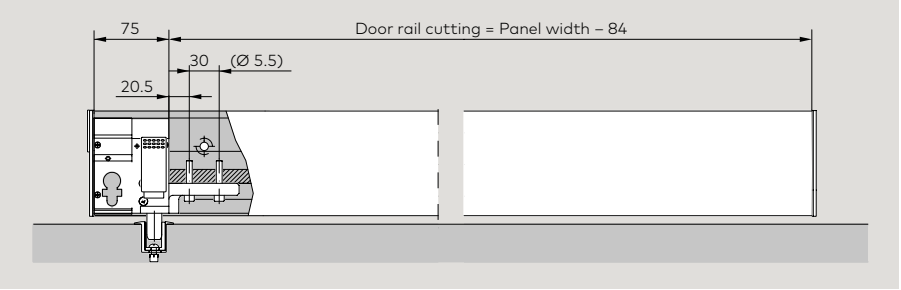
The sliding panels are movable. Once in their closed position, they are locked.The locking components
provided in the bottom door rail can be face-mounted slide bolts, end-mounted slide bolts, end pin bolts or deadlocks.

The structure of the bottom door rail applies also to single-action/double-action sliding panel.

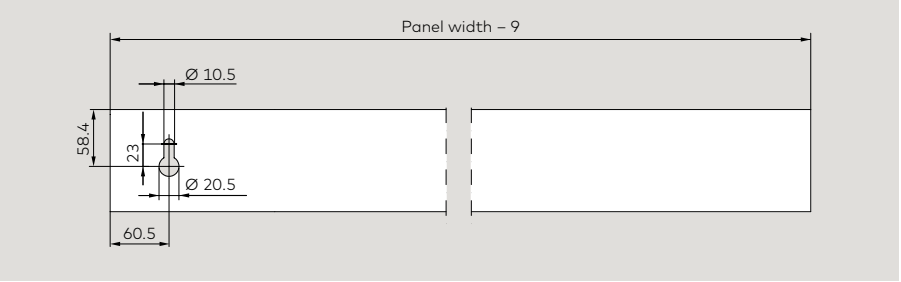




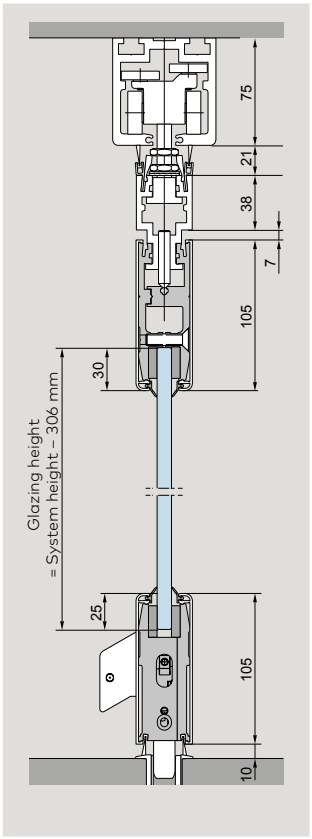
Bottom door rail with face-mounted slide bolt

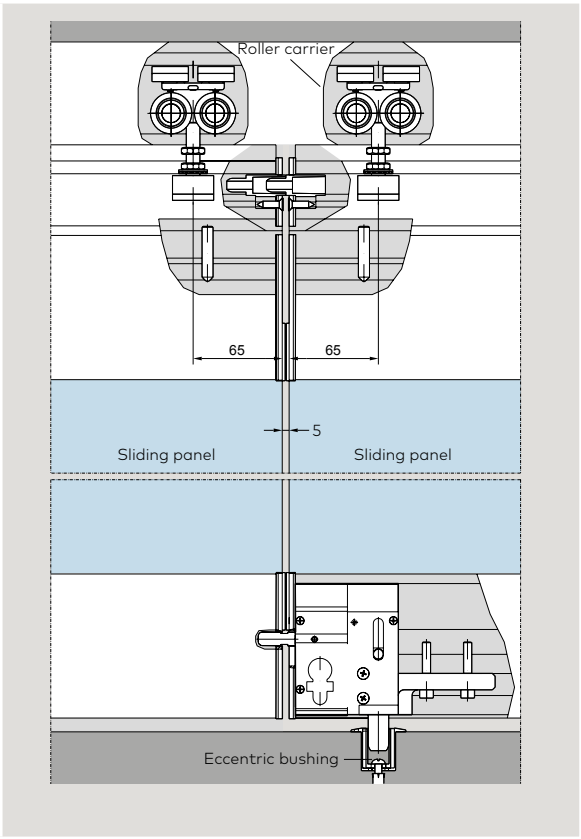


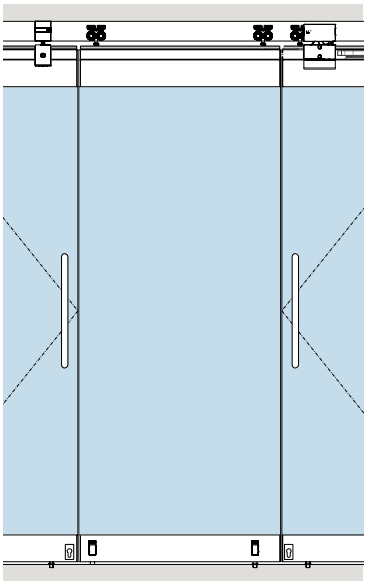
Machining of cover profile (face-mounted slide bolt)



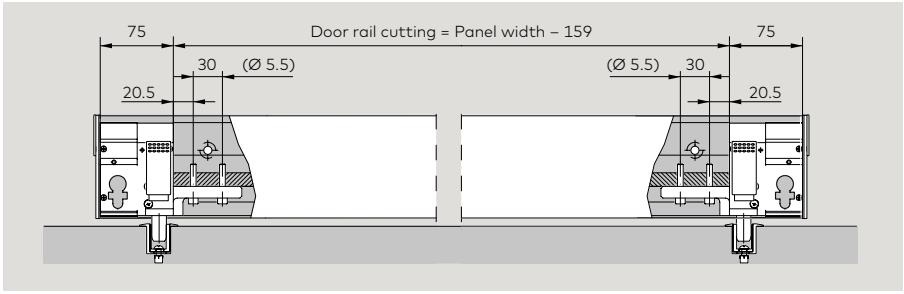
Dimensions in mm.



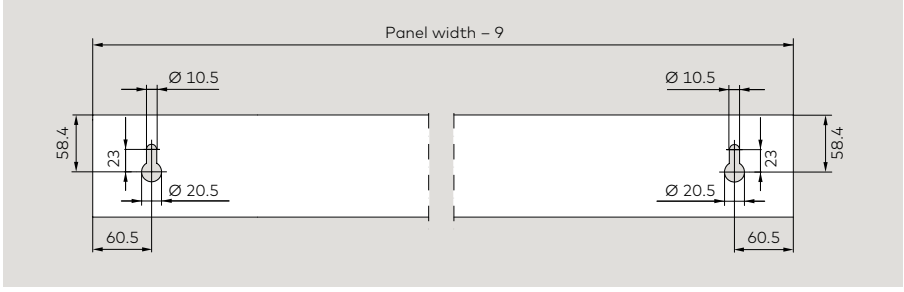




Bottom door rail with face-mounted slide bolt on both sides

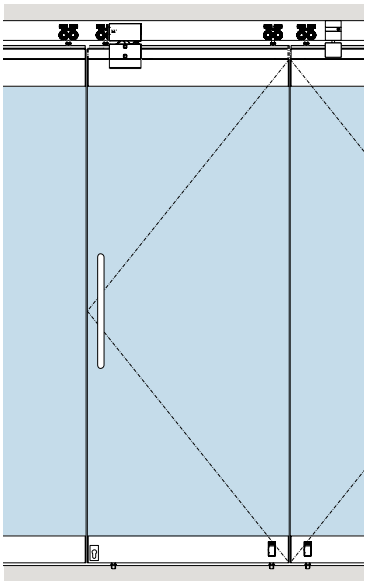


Machining of cover profile (face-mounted slide bolt)



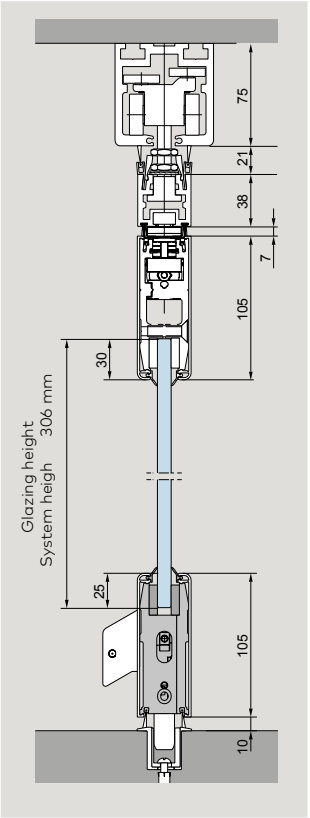
Dimensions in mm.

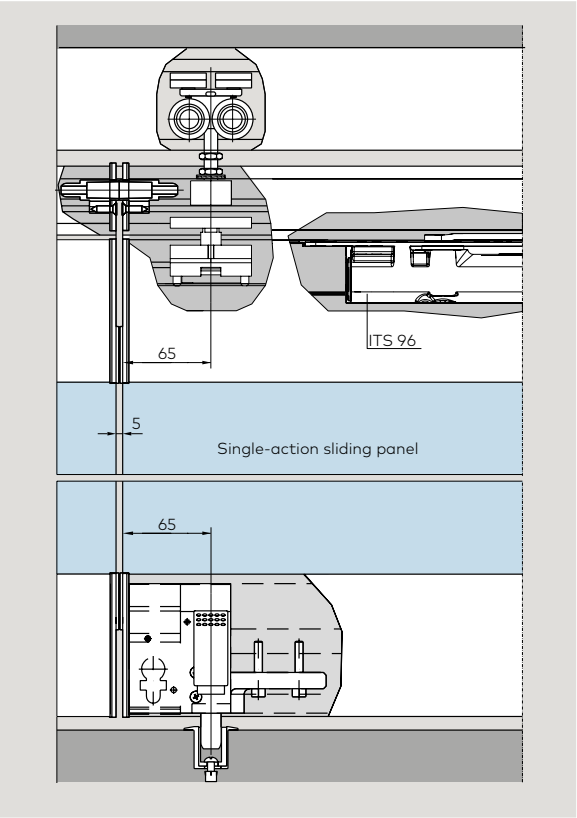
Single-action sliding panel



This panel variant is used

where the door element is required to only open in one direction, either inward or outward.





Standard assembly

top: Pivot bearing, ITS 96 with slide channel, one locking device.

bottom: Face-mounted slide bolt as pivot (released for sliding function), deadlock.

Optional equipment

top: Additional locking device (upper locking bolt) to secure the panel in the area of a reshuffle bypass or for more stability in closed position.

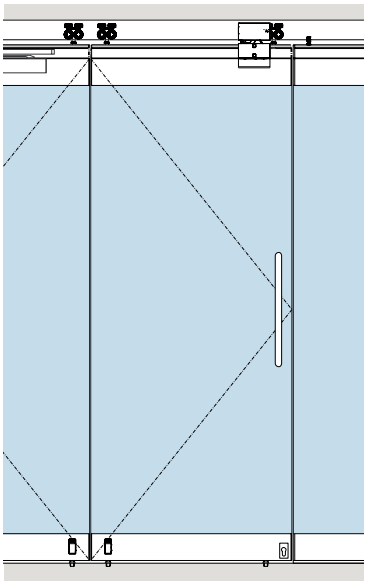
bottom: Second face mounted slide bolt instead of deadlock.

Data and features: ITS 96, Gr. 2–4	
Closing strength/size	EN 2–4
Max. panel width	≤ 1100 mm
Max. panel weight	≤ 120 kg
Closing strength continuously variable	Adjusting screw
Closing speed continuously variable	by valve
latching speed is adjustable from 15°–0°	by valve
Cushioned stay limit mechanically variable	yes
Max. opening angle	ca. 120°
Hold-open variable	yes (door stop necessary)
Weight	1.3 kg
Length	277 mm
Overall depth	32 mm
Height	42 mm
Door closer tested according to EN 1154	yes

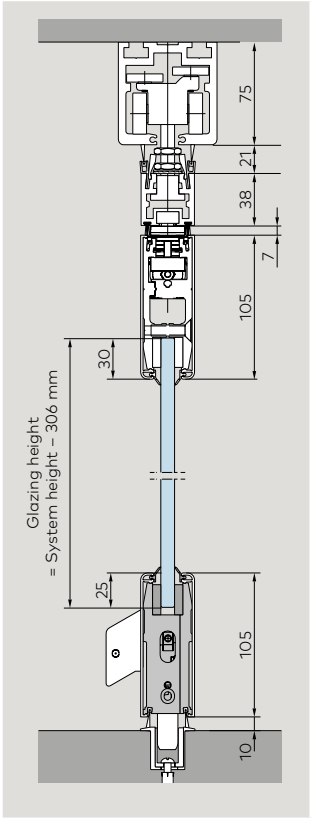
Dimensions in mm.

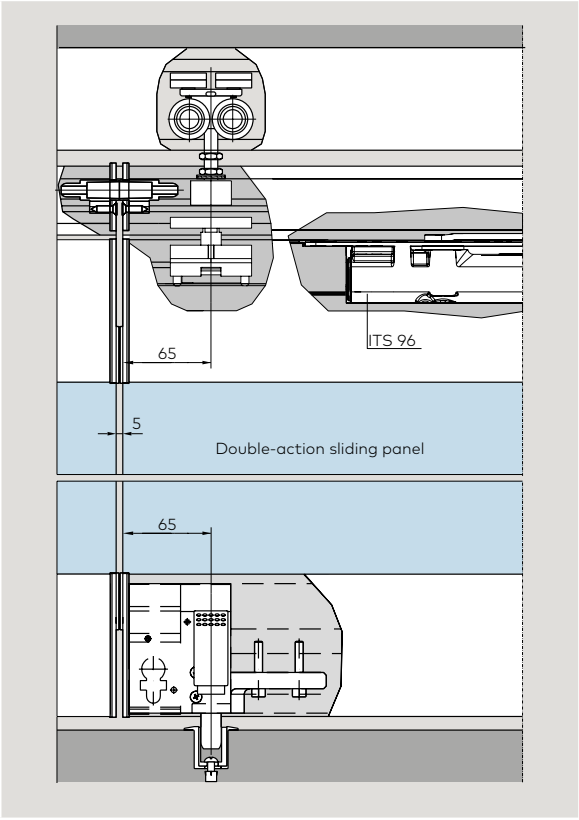
Double-action sliding panel

with integrated door closer dormakaba ITS 96, 2–4.

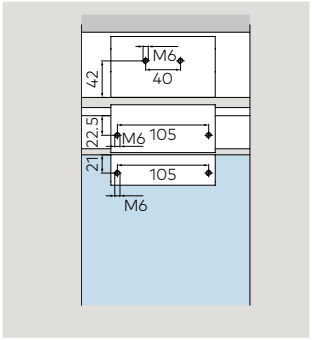


Being virtually invisible, its presence has no effect on the overall appearance of the partition. In its standard form, ITS 96 is provided with a 90° hold-open. If you are considering this panel type, please note our advisories relating to portal systems on page 137.

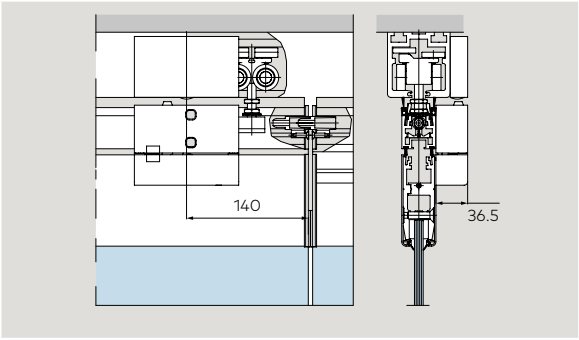




Hole of pattern upper locking unit



Upper locking unit



Standard assembly

top: Pivot bearing, ITS 96 with slide channel, one locking device

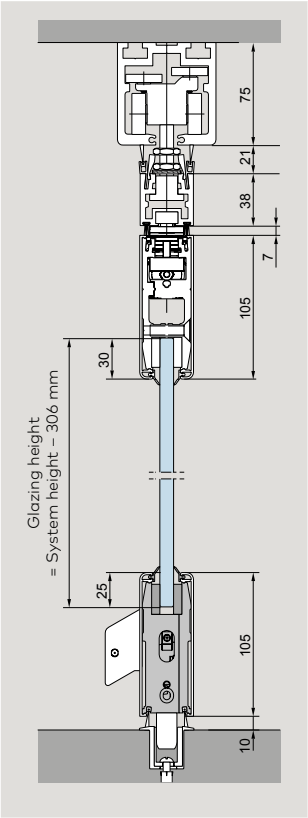
bottom: Face-mounted slide bolt as pivot (released for sliding function), deadlock

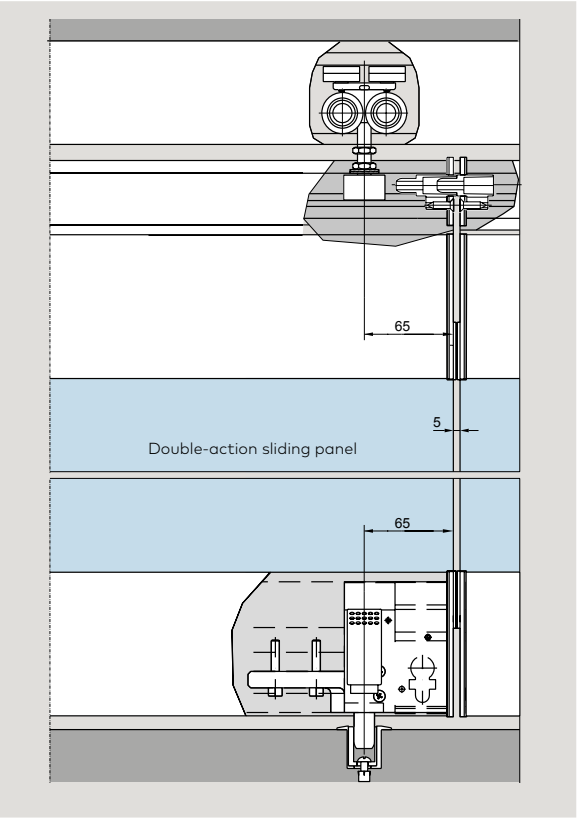
Optional equipment

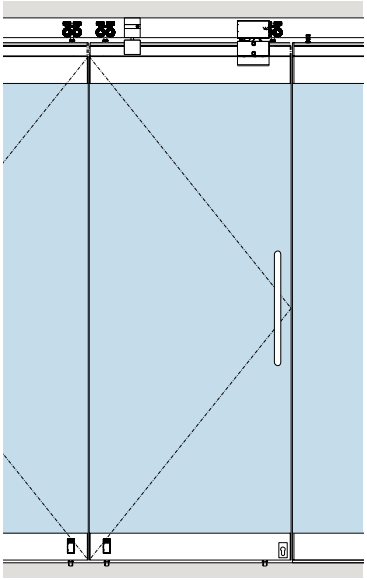
top: Additional locking device (upper locking unit) to secure the panel in the area of a reshuffle bypass or for more stability in closed position.

bottom: Second face mounted slide bolt instead of deadlock

Dimensions in mm.

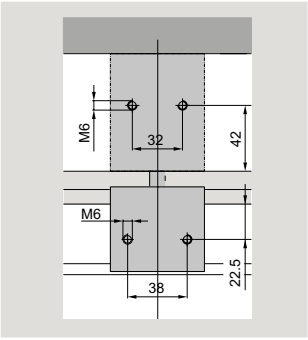




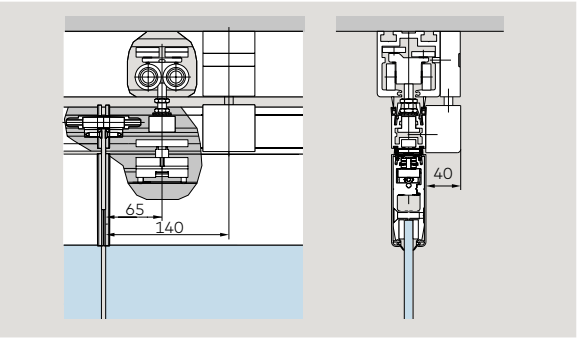


Additional upper lock
The additional upper locking bolt is used for single-action or double-action sliding panels as an optional addition to the upper locking unit at the other end of the door. In some cases it is recommended for additional stabilization of the carrier profile.

Hole of pattern additional upper lock

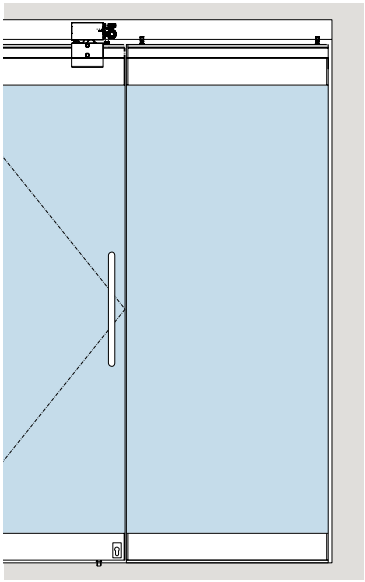


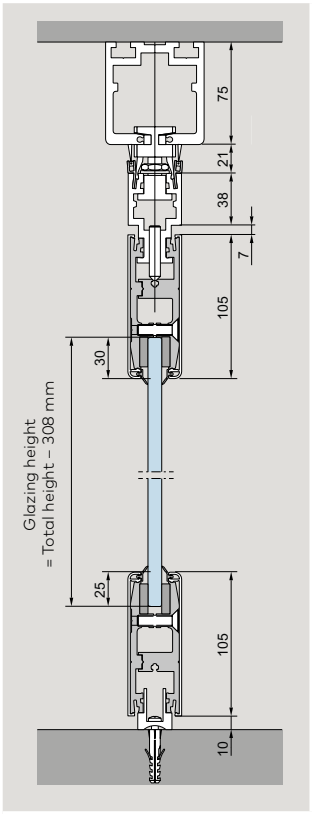
Additional upper lock

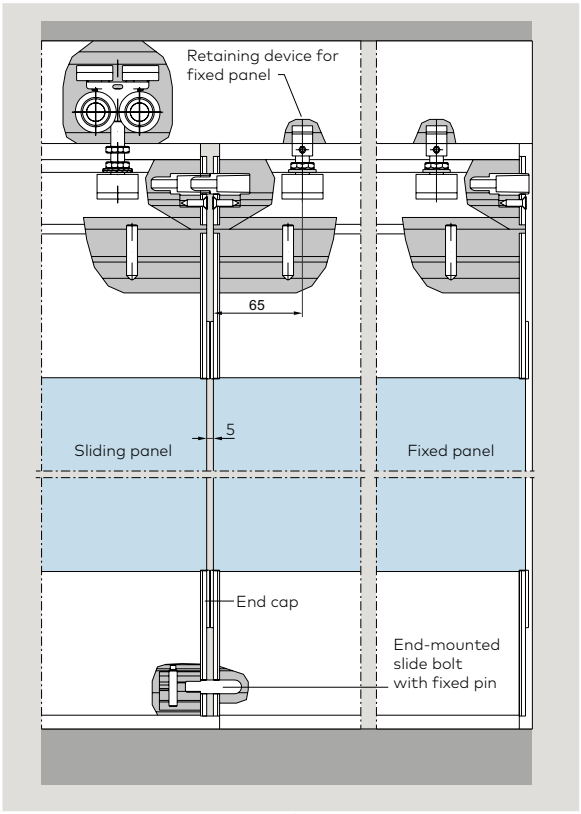


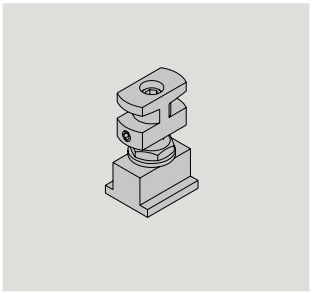
Dimensions in mm.

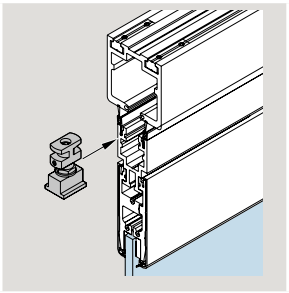
Fixed panel

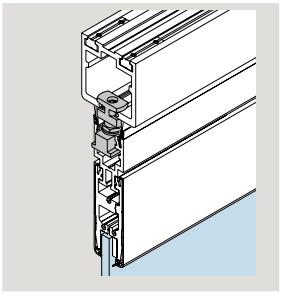


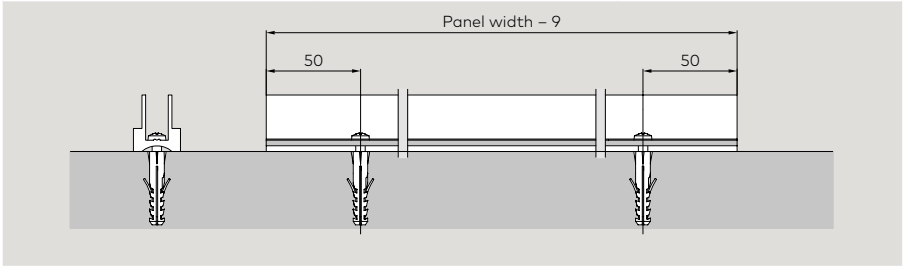












Non-moving side panel, independent of the rest of the system. The fixed side panels are of the same basic design as the sliding panels and continue the appearance of the movable part of the frontage without any optical break. If required, the retaining devices at the top can be replaced by a carrier system to convert such a panel into a sliding panel.

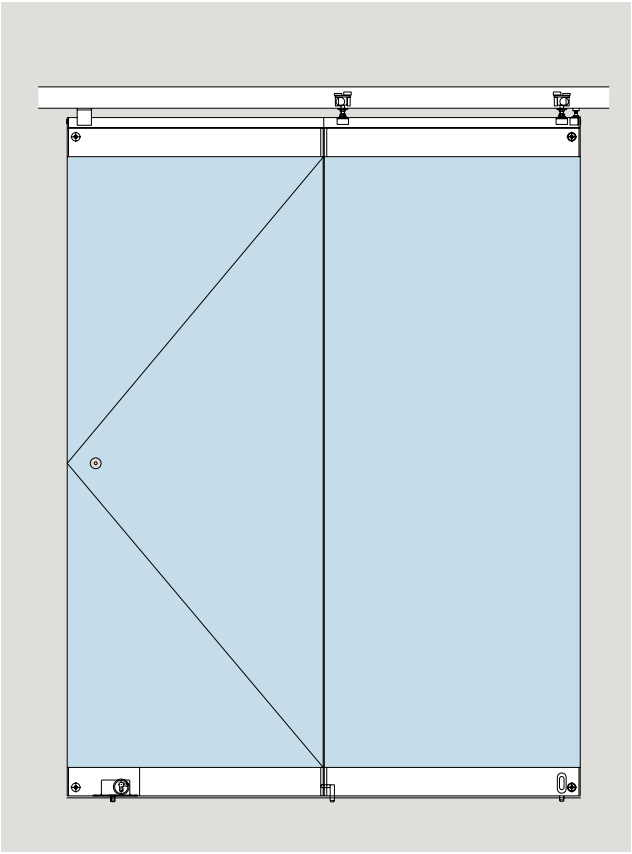
Standard assembly

top: Retaining devices fixed to the track rail.

bottom: Spacer profile fixed to the floor; access for fixed end pin of the adjacent panel.

Dimensions in mm.

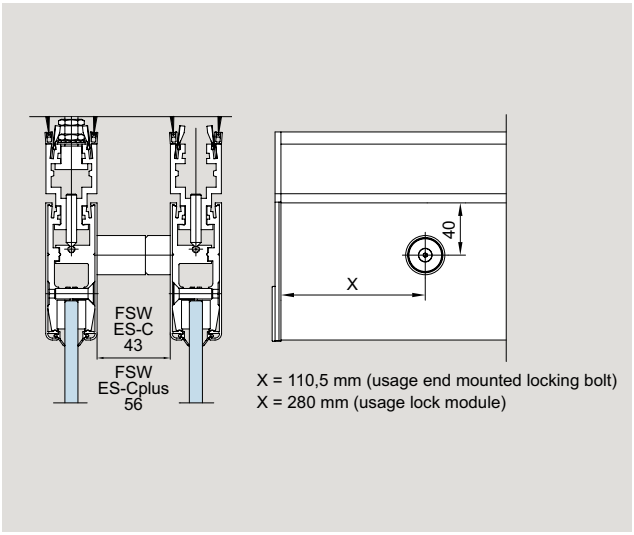
Sliding / folding panel

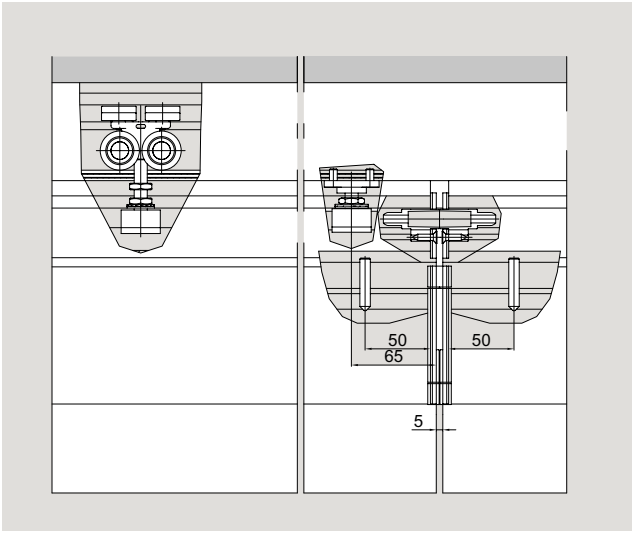


Hinged, with lock and slide bolt at the bottom, magnetic holder top and bottom for fixing the final folding panel to the slide panel.

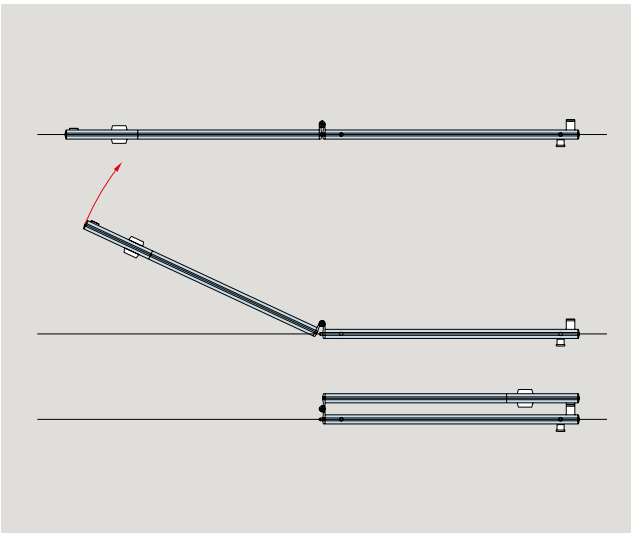
Max. panel sizes and weights
Max. panel width
2 x 1000 mm
Max. system height
3000 mm
Max. panel weight
2 x 70 kg

Magnetic door holders top and bottom

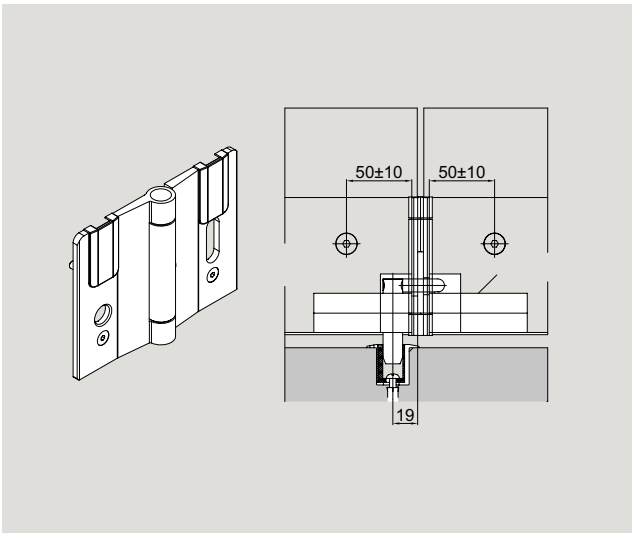




End mounted slide bolt



Panel hinge

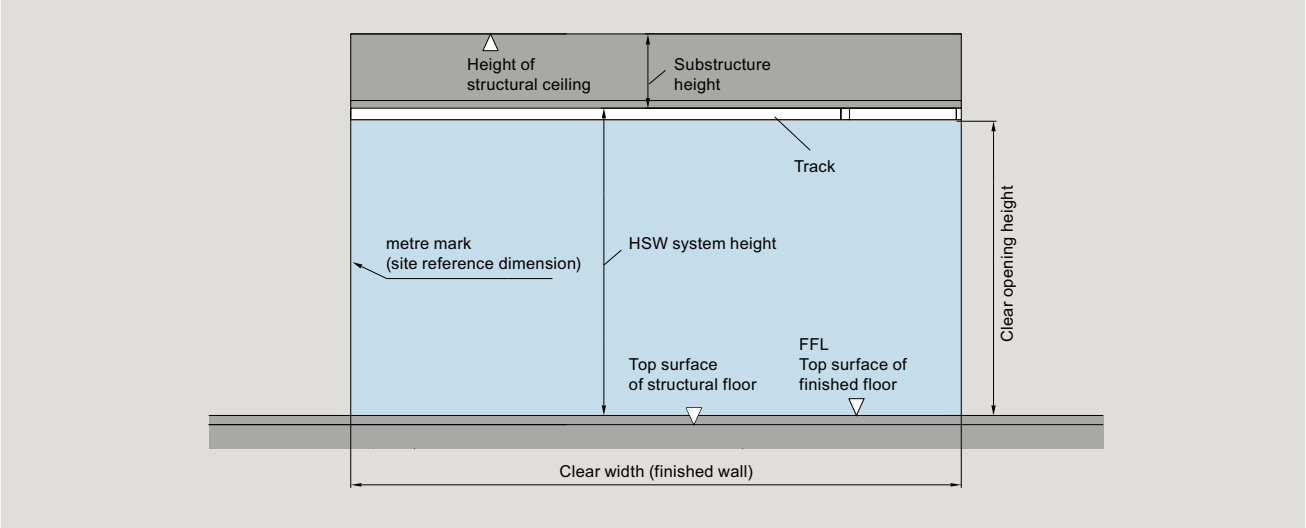


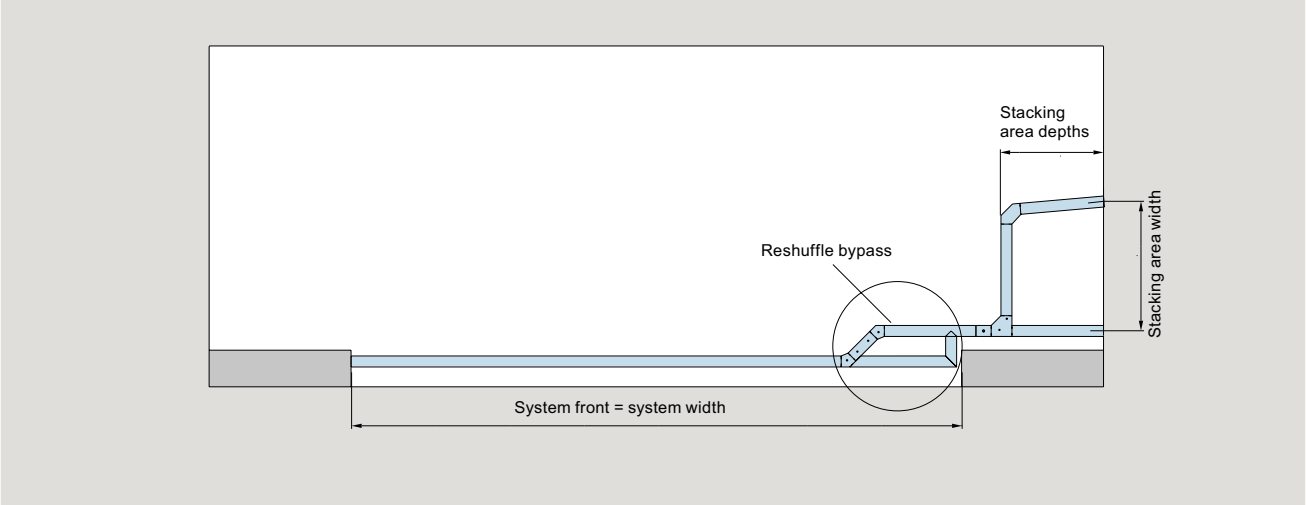
Dimensions in mm.

General Information

Measuring up

Important site measurements





Ground conditions for the installation of HSW/FSW systems

For the installation of a HSW system, in addition to a horizontally aligned, and sufficiently load-bearing substructure, the condition of the floor as the lower connection point must also be taken into floor as the lower connection point must also be taken into account.

In particular, the following applies here:

- the floor area must be designed in such a way that striking plates or the defined floor floor bushings can be accommodated and mounted. (the course of a HSW axis on a parting line or any other floor not designed to receive the to accommodate the bottom closure elements must be avoided). avoided)
- the floor itself should ideally be horizontal and level.
- the floor surface texture should not be too rough and coarse.
- if there is a floor slope, the installation can possibly still be realized under certain circumstances if:
  a) it is basically and exclusively an HSW installation with door rails (no FSW, no framed HSW design).
  b) the slope is relatively uniform and does not show large fluctuations; depending on the slope, it may be necessary, in addition to the sloped the bottom rails of the door to the glass, it may be necessary to stagger the height of the glass.
  c) the parking position of the wings is provided in any case at the lowest point
- in the case of certain floor courses, such as a wavy floor course with constantly changing and/or a rise of the ground from the central area to both sides, a HSW is required.

HSW installation may not be possible or may only be possible after the ground has been leveled or other constructive measures have been taken.* In the case of the points mentioned here, as well as possibly other factors occurring on the construction site, the installer may have to use a suitable profile in the closure. profile in the closure or sealing axis of the HSW/FSW, if necessary, in order to sealing axis of the HSW/FSW, if necessary, in order to allow the function of the system.

Notes on portal systems

Maintenance recommendation for high-frequency HSW systems

Horizontal sliding walls with glass panels have been developed in order to provide retail outlets with generous and enticing frontages – entrances that offer easy accessibility and an inviting appearance for customers. When the frontages are closed, they can double up as expansive shop windows.

In cases where double-action sliding panels are used for main entrances as a portal system (i. e. in shopping malls or as similar operated HSW systems) they are submitted to very high daily traffic volumes and usage frequency rates.

The door closers and pivot bearings used by DORMA-Glas have been successfully tested in accordance with the requirements of EN 1154. EN 1154 specifies 500000 test cycles for manually operated closing devices.

High-frequency portal systems such as the above can reach this number of cycles after just a few months. Consequently, DORMA-Glas recommends that such units be regularly maintained. The higher the usage levels, the more frequently the equipment should be serviced by either the installation firm or a similarly specialized fitter.

In addition to any door closer that may be fitted, a suitable opening limitre (to be provided on site) will also be required as protection for single-action and double-action sliding panels. In the case particularly of public and highly frequented entrance systems, door closers are unsuitable as opening limitres as any excess pressure applied to doors will lead to high stress forces being applied at the sweep maximum.

Finishes

Deviations in colour due to production procedures cannot be totally excluded.

HSW systems with surface finishes 700 and 701 contain different component materials.

In the case of FSW (folding sliding walls) systems, for example, the folding hinges are always of aluminium, while the standard surface finish for brush profiles and end covers is black anodised (E6/C35). These various components can also optionally be anodised or powder-coated so that they resemble the ordered surface finish. The standard surface of upper locking units and upper locking bolts is a powder-coated RAL colour.

Typical manufacturing flow marks appear when anodising the milled area of the track rail modules. As an alternative to the anodized EV 1 surface finish, we therefore offer modules and track rails in all lengths in a powder-coated version similar to EV 1 for visual reasons.

Finishes			
Aluminium, mill finish and anodized	**DORMA-Glas No.**	**Sim. to Eloxal I**	**Sim. to Eloxal II**
AL mill finish	100		
AL anodized, EV1, sanded, matte (for profiles: stained, matte)	101	EV1	C 0
AL anodized, similar stainless steel, polished, matte	107		
AL anodized, similar stainless steel, satin (for profile material) (similar Anodizing II C 31)	113		C 31
AL anodized, special	199		

Aluminium, powder coated	**DORMA-Glas No.**	**Sim. to HEWI-No.**	**Sim. to RAL**
AL powder coated, Traffic white, smooth, glossy (sim. RAL 9016)	300	99	9016
AL powder coated, Special color (Standard powder according to the corresponding overview on our website. A price surcharge is possible for special colors outside the color range specified there.)	399		

Stainless steel, various finish treatments	**DORMA-Glas No.**
Stainless steel, satin (compatible with 750)	700

Finishes HSW EASY Safe	
Aluminium, mill finish and anodized	**DORMA-Glas No.**
AL mill finish	100
AL anodized, Silver, satin, matte (compatible with finish 114)	150
AL anodized, similar stainless steel, satin	157
AL anodized, special	199

Aluminium, powder coated	**DORMA-Glas No.**
AL powder coated, Jet black, smooth, matte (sim. RAL 9005)	304
AL powder coated, similar anodized EV1, smooth, matte	318
AL powder coated, Traffic white, smooth, semi gloss (sim. RAL 9016)	350
AL powder coated, Special color, high weather resistant	398
AL powder coated, Special color (Standard powder according to the corresponding overview on our website. A price surcharge is possible for special colors outside the color range specified there.)	399

Stainless steel, various finish treatments	**DORMA-Glas No.**
Stainless steel, satin (compatible with 750)	700

Safety-related information

Important safety-related information for the mounting and use of DORMA-Glas 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-Glas recommends the use of TSG-H (heat-stored tempered safety glass) according to DIN EN 12150-1.
2. DORMA-Glas glass fittings are only conditionally suitable for outdoor installation.
3. DORMA-Glas glass fittings are not suitable for rooms where chemicals (e.g. chlorine) are used, e.g. swimming pools, saunas and brine baths.

4. Sliding panels must not be moved faster than at walking speed and must be stopped by hand before reaching the end positionwill be.
5. Pivoting panels must not be thrown too hard. If there is a risk of over-turning, this must be prevented by a door stop.

Mounting

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

Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment. Especially highly-frequented door systems require inspection by properly qualified staff (specialised companies or installation firms). Immediately replace damaged class elements (no glass flaking and/or conchoidal fractures)!

General care instructions

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

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

For practical planning, please use our drawings DORMA-Glas "The Detail".

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

Subject to change without notice.

Moving Details.

DORMA GLAS®

BARTOSINI®