



Planning Manual
for
Horizontal Sliding
Walls

DORMA HSW/FSW

FSW-G panel types and functions

FSW folding sliding walls as fully glazed partitions and frontages, with door rails top and bottom, track roller position at the end of every second panel.



Folding sliding walls are ideal for a straight-line system configuration. Because the panels of an FSW system are visually compatible with the HSW-G panels, both system types can use the same track rail construction and can be effectively combined within a single frontage. Consequently, an FSW system can also be complemented through the addition of a free-standing HSW double action or single action end panel.

An FSW system essentially contains the following hinged components:

- 1 FSW end assembly with 1 or 3 folding panels

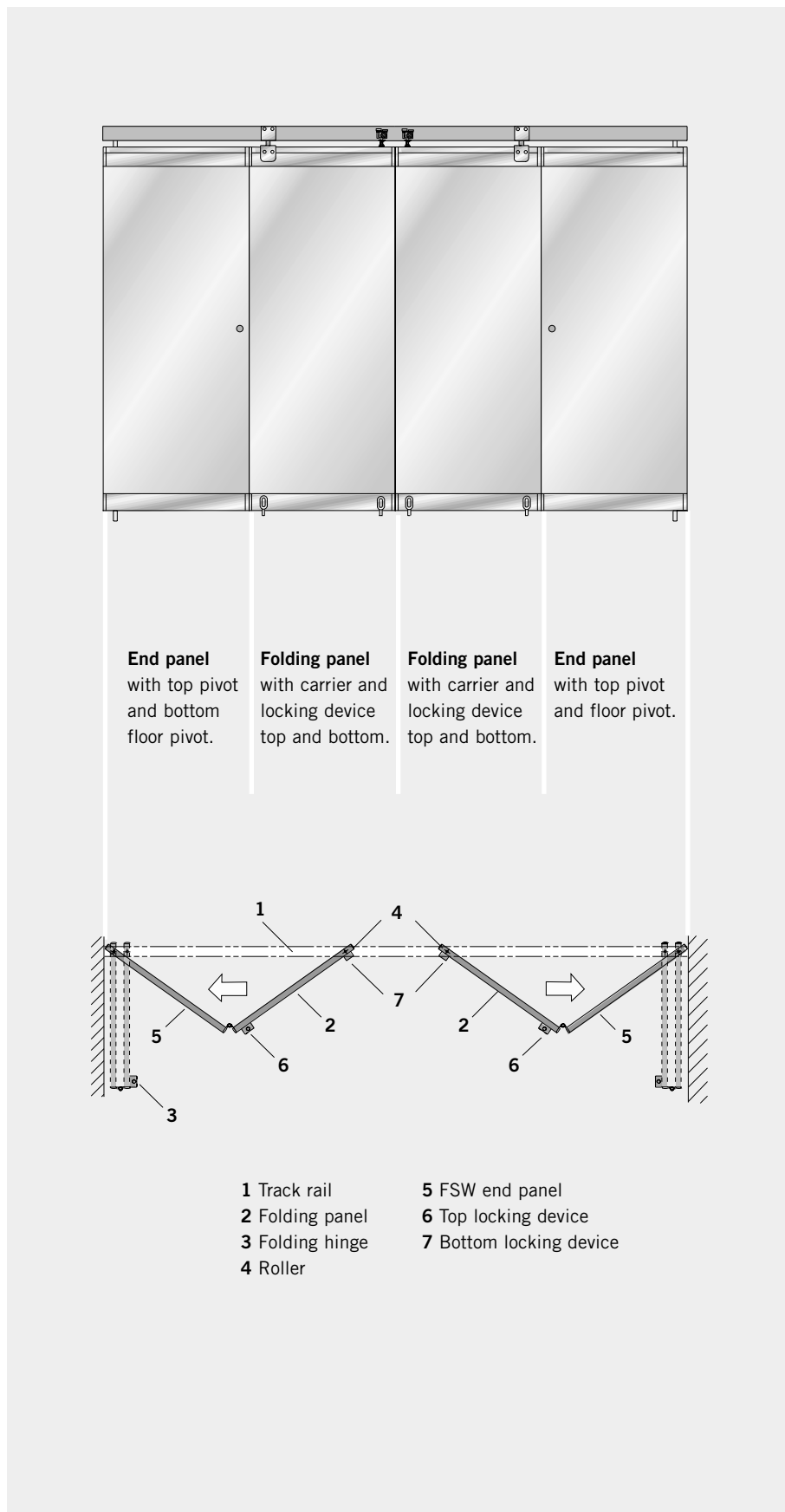
Two counter-running systems can be combined to create frontages with 8 panels.

Max. panel sizes and weights

Max. system height 3000 mm

Max. panel width 1000 mm

Max. panel weight 70 kg



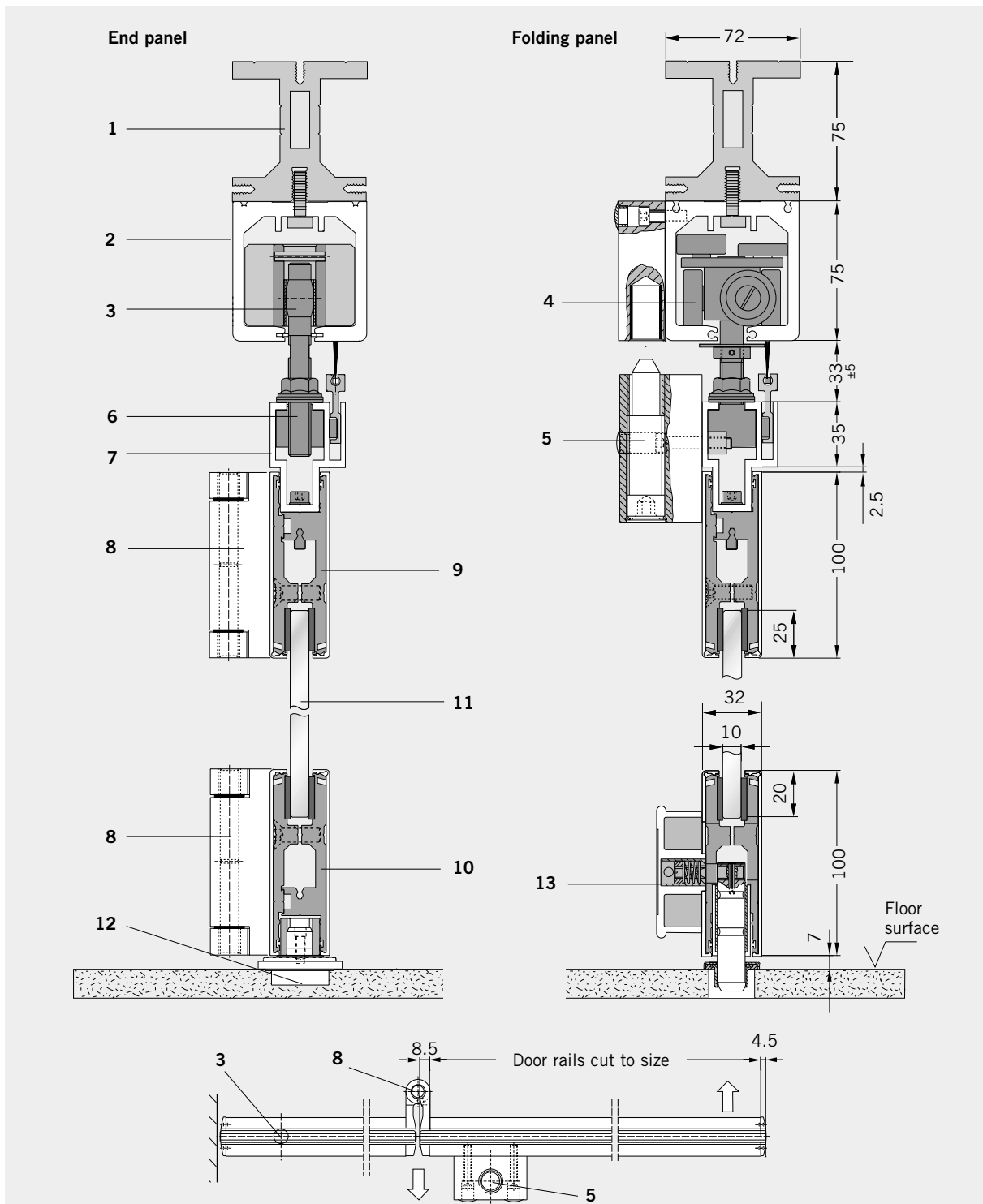
FSW-G system design

The FSW-G system consists of the following basic components:

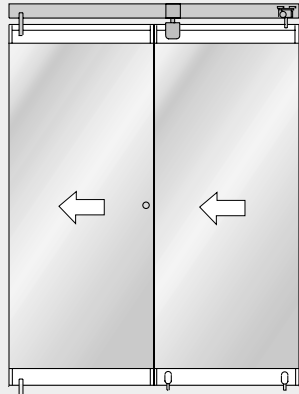
- 1 Installation-efficient DORMA substructure to accommodate track rail mounting requirements. (optional)
- 2 Track rail for bolting to the substructure.
- 3 Top pivot,
- 4 roller,

- 5 top locking device,
- 6 suspension assembly and
- 7 carrier profile for safe and easy sliding of the panels.
- 8 Folding hinge,
- 9 top door rail and
- 10 bottom door rail, both

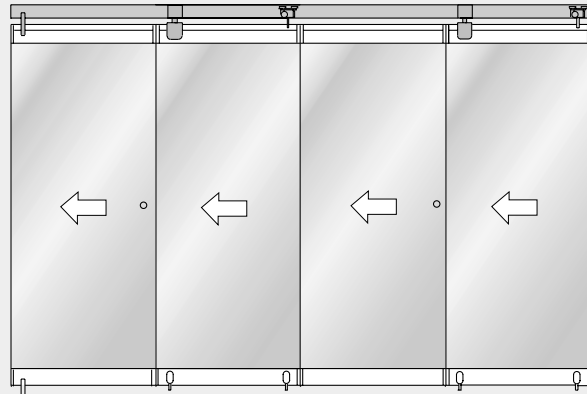
- comprising base profiles with clip-on face and side covers.
- 11 Toughened safety glass or laminated safety glass panes (by others),
- 12 floor pivot,
- 13 face-mounted slide bolt.



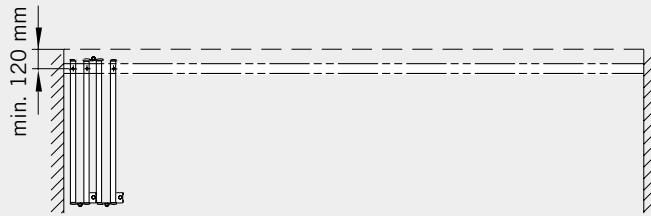
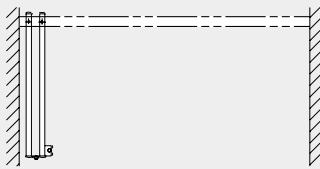
FSW-G assembly types



Type 1



Type 2



Type 1a 2 folding panels left (as drawn)

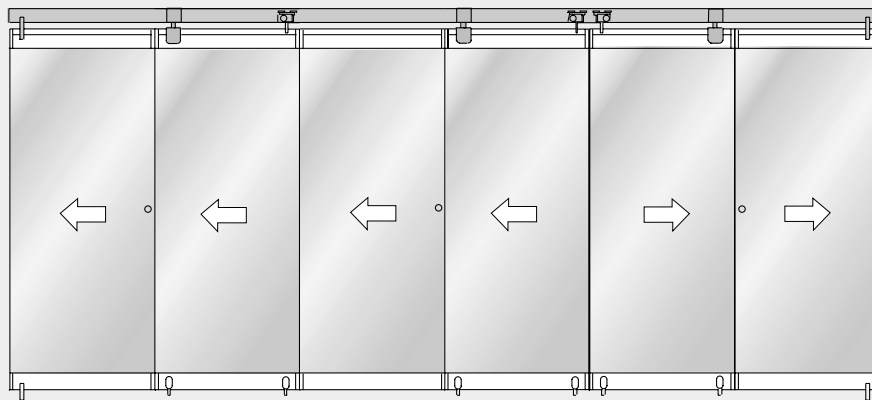
Type 2a 4 folding panels left (as drawn)

Type 1b 2 folding panels right
(mirror arrangement)

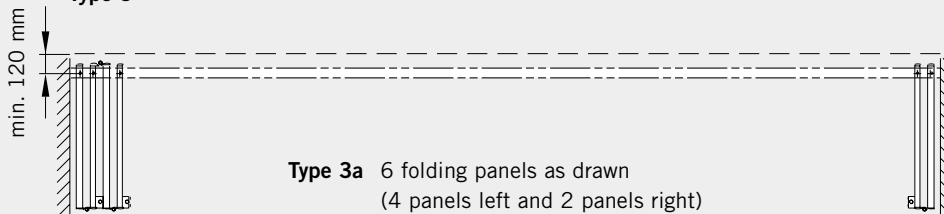
Type 2b 4 folding panels right
(mirror arrangement)

Type 1c 4 folding panels (2 panels left
and 2 panels right)

Type 2c 8 folding panels
(4 panels left and 4 panels right)

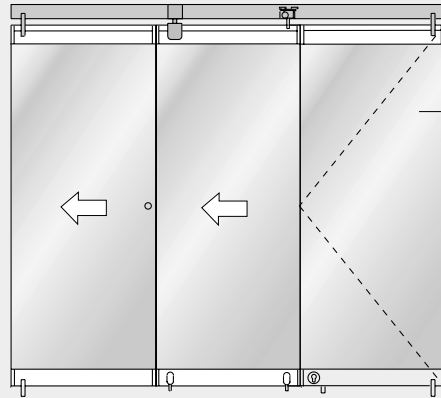


Type 3

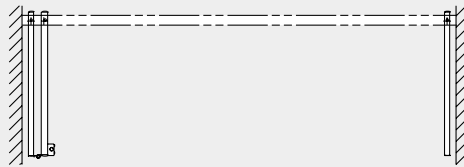


Type 3a 6 folding panels as drawn
(4 panels left and 2 panels right)

Type 3b 6 folding panels, mirror arrangement
(2 panels left and 4 panels right)

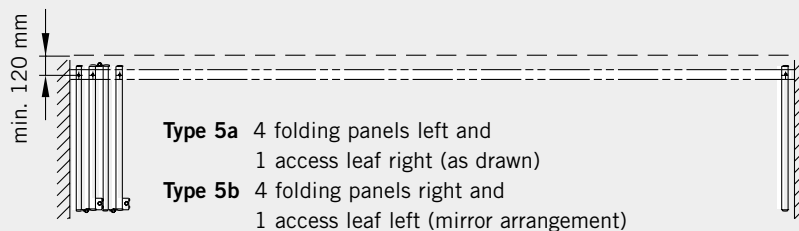
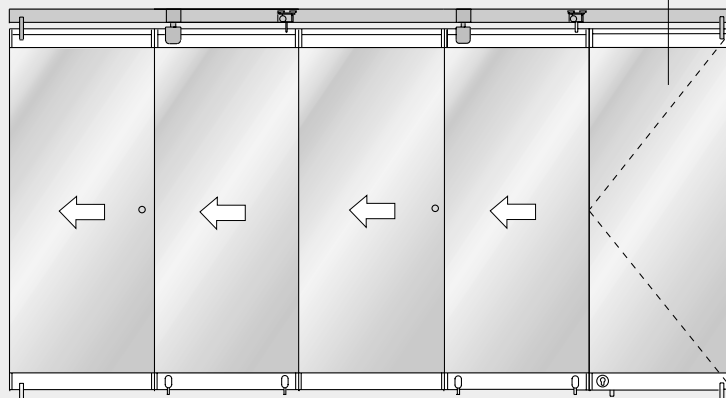


Type 4



Type 4a 2 folding panels left and
1 access leaf right (as drawn)

Type 4b 2 folding panels right and
1 access leaf left (mirror arrangement)



FSW-C panels and functions

Folding sliding walls, fully glazed, with door rails top and bottom, track roller position in the panel centre.

Large spans can be implemented with the FSW-C. The number of panels per system can be freely selected between 3 and 8. Thanks to the central suspension point, pairing is not necessary. Double systems with two counter-running assemblies can also be installed. The panels are guided on a sturdy track rail fixed to the ceiling. An additional floor guide is not necessary, so the floor covering can be laid without interruption. Folding sliding walls require a half-width base panel fitted with pivot bearings, to which the folding panels are connected. In order to maintain system symmetry, the final folding panel without a track roller is also of half-width design.



The hinges exhibit a slight pivot offset. This ensures that the folded assembly is particularly compact while at the same time providing for good stability.

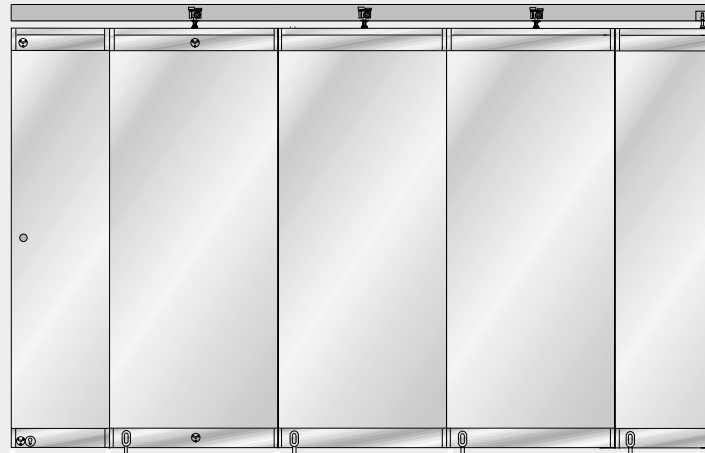
Max. panel sizes and weights

Max. system height 3000 mm

Max. panel width 1000 mm
Width of the base panel
= half panel width + 63 mm

Max. panel weight 70 kg

Number of panels 3 to 8



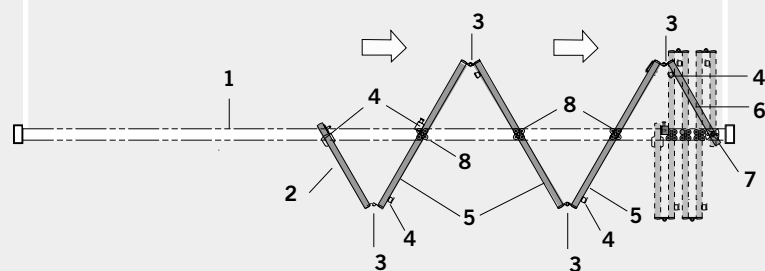
Final folding panel with locking devices top and bottom.

Folding panel with carrier, locking devices top and bottom.

Folding panel with carrier and locking device bottom.

Folding panel with carrier and locking device bottom.

Base panel with floor pivot and locking device bottom.



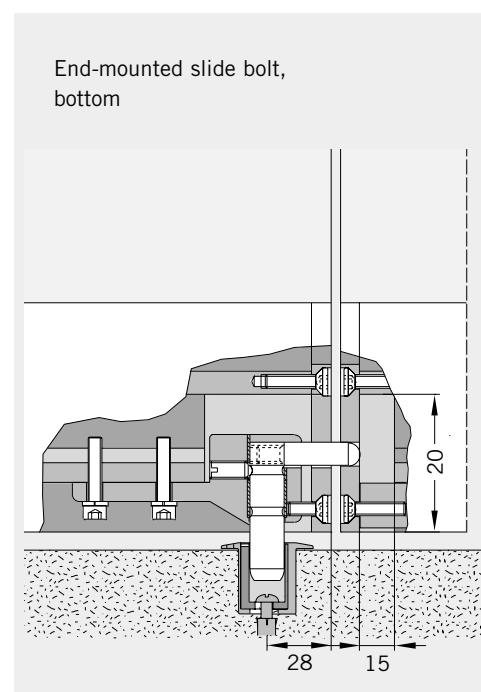
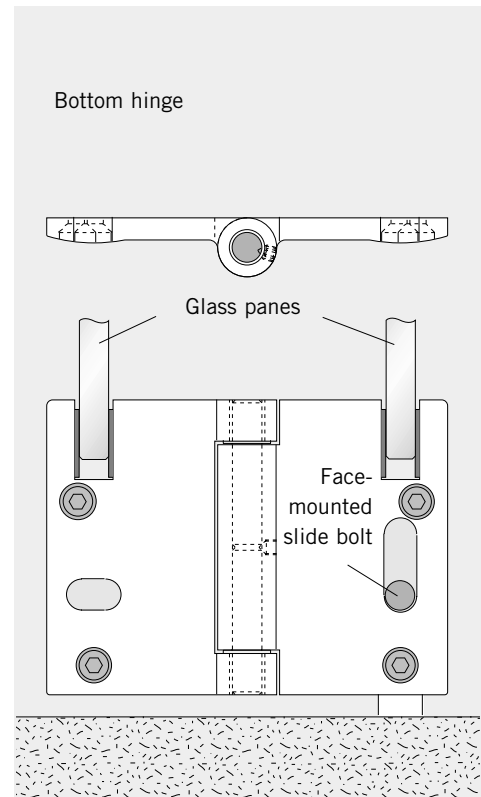
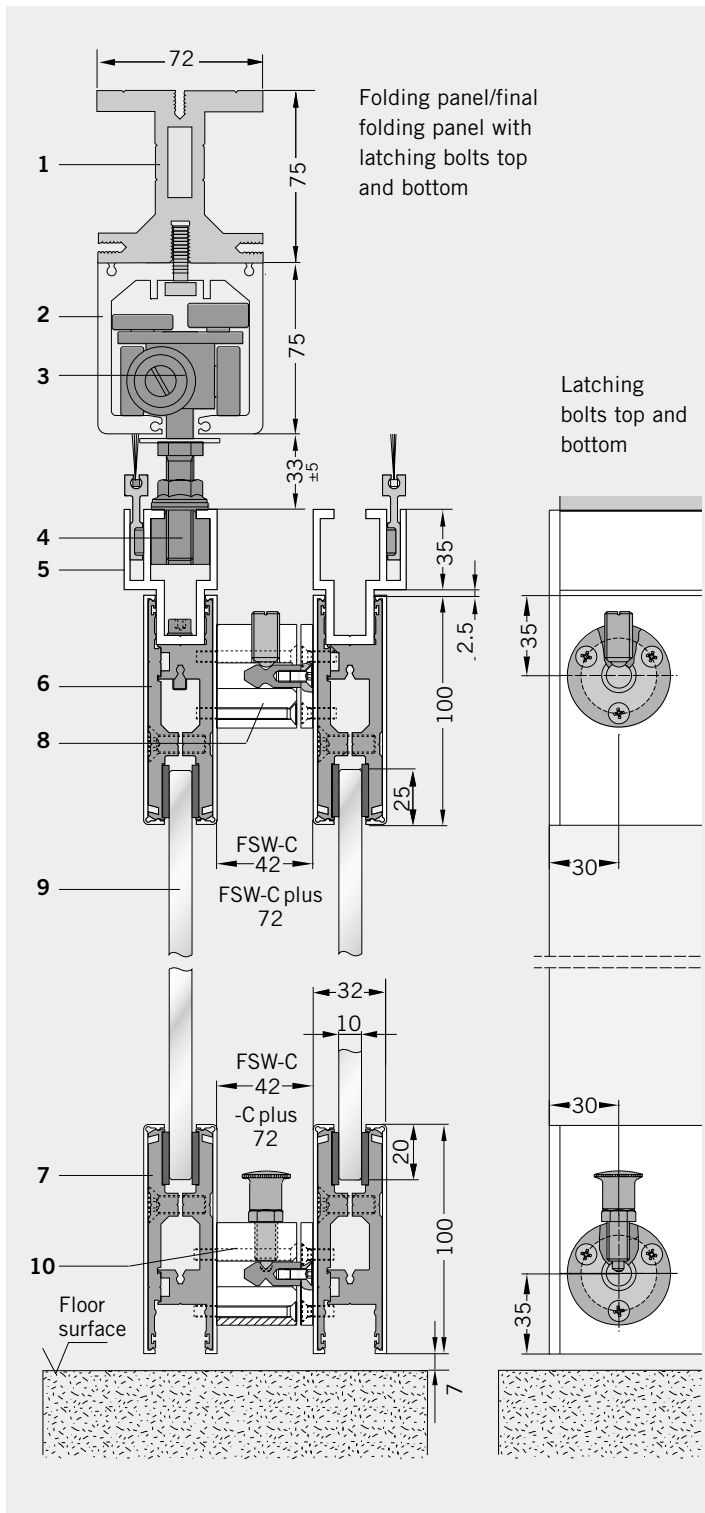
- | | |
|-----------------------|-----------------|
| 1 Track rail | 5 Folding panel |
| 2 Final folding panel | 6 Base panel |
| 3 Folding hinge | 7 Floor pivot |
| 4 Locking device | 8 Roller |

For assembly options, see pages 40/41

FSW-C system design

The FSW-C system consists of the following basic components:

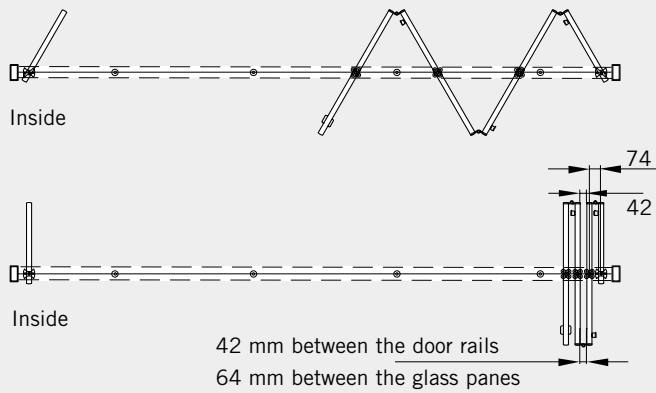
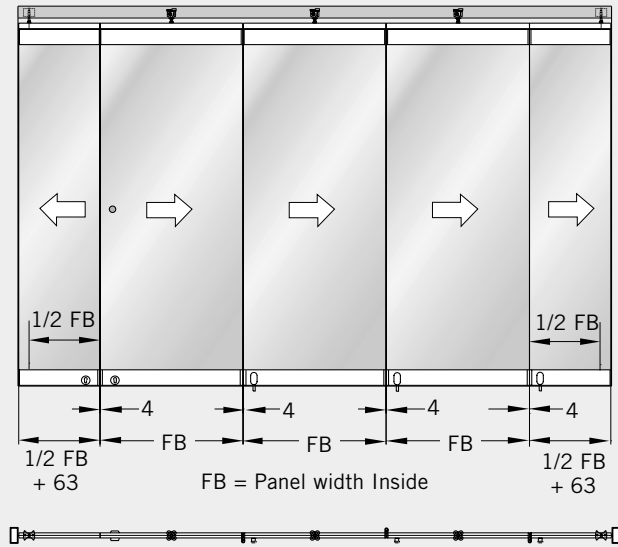
- 1 Installation-efficient DORMA substructure to accommodate track rail mounting requirements. (optional)
- 2 Track rail for bolting to the substructure.
- 3 Roller,
- 4 suspension assembly and
- 5 carrier profile for safe and easy sliding of the panels.
- 6 Top door rail and
- 7 bottom door rail, both comprising base profiles
- 8 Top latching bolt,
- 9 toughened safety glass or laminated safety glass panes (by others),
- 10 bottom latching bolt.



FSW-C assembly types

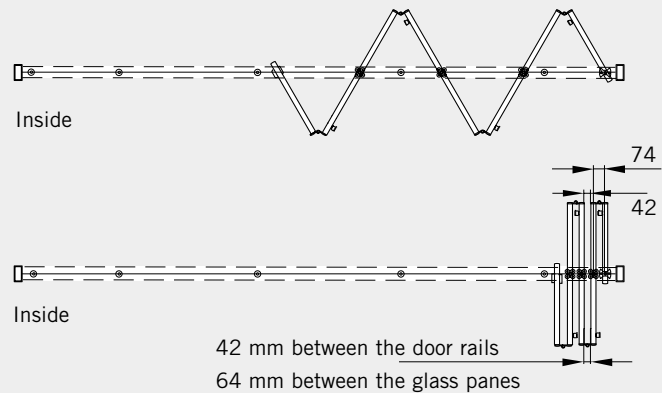
Type C1

- 1 single action end panel (narrow)
- 3 folding panels
- 1 base panel (narrow)



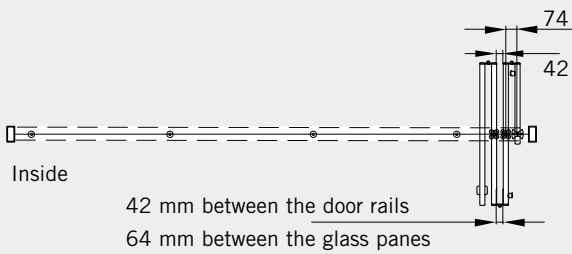
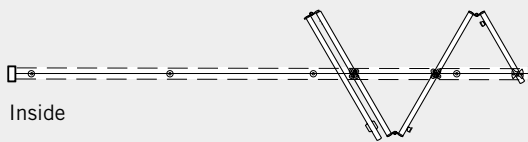
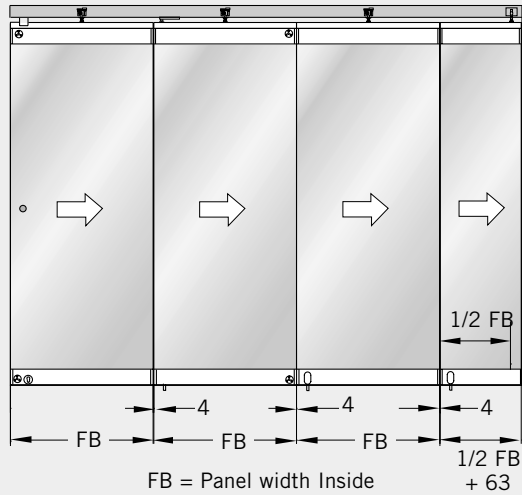
Type C2

- 1 final folding panel (narrow)
- 3 folding panels
- 1 base panel (narrow)



Type C3

- 1 access leaf
(final folding panel)
- 2 folding panels
- 1 base panel (narrow)



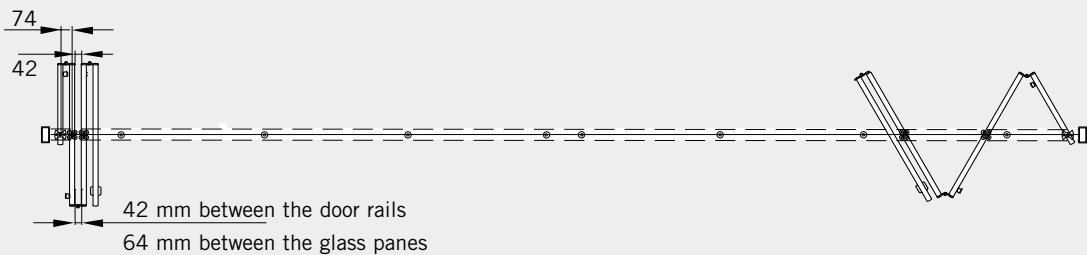
Type C3 double (counter-running) system

Left:

- 1 base panel (narrow)
- 2 folding panels
- 1 access leaf (final folding panel)

Right:

- 1 access leaf (final folding panel)
- 2 folding panels
- 1 base panel (narrow)



FSW-C plus

Access with convenience – the plus with the FSW-C.

The FSW-C model offers the possibility of using the final folding panel as an access door when the frontage is closed – with all the convenience offered by the DORMA TS 93 G door closer. In this case, the special bottom locking device and the top clamp-mounted stop stabilise the first folding panel, while the top angle stop ensures that the closed final folding panel is in the correct position.

The folding hinges connecting the access leaf to the folding panel have a large pivot point offset in order to create room for the door closer and pull handles. All the other folding panels are equipped with a standard folding hinge and roller.

Max. panel sizes and weights

Max. system height 3000 mm

Max. panel width 1000 mm

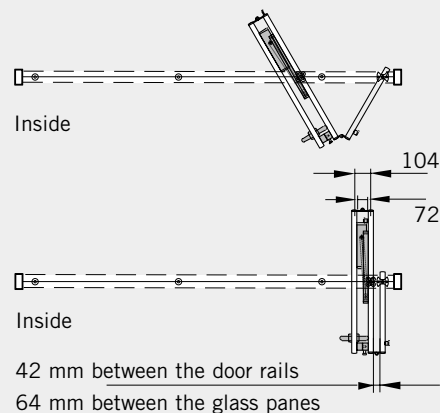
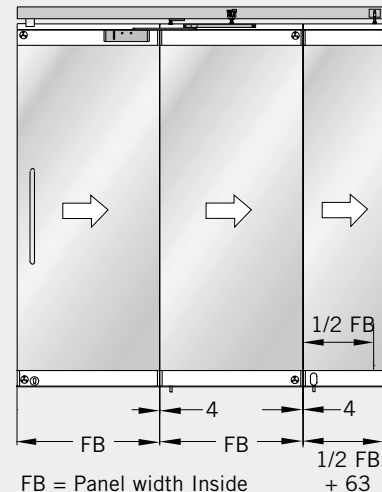
Width of the base panel
= half panel width + 63 mm

Max. panel weight 70 kg

Number of panels 3 to 8

Type Cp1

- 1 access leaf (final folding panel with TS 93 G door closer)
- 1 folding panel
- 1 base panel (narrow)



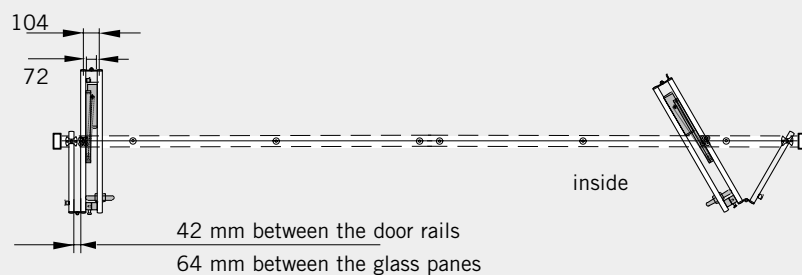
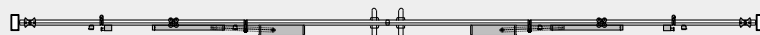
Type Cp1 double (counter-running) system

Left:

- 1 base panel (narrow)
- 1 folding panel
- 1 access leaf (final folding panel with TS 93 G door closer)

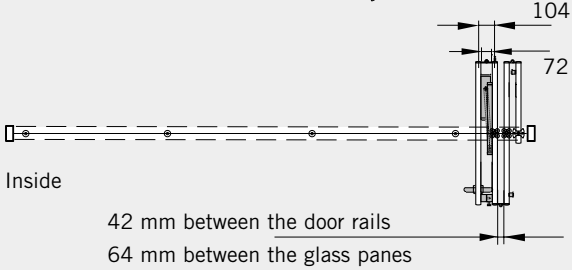
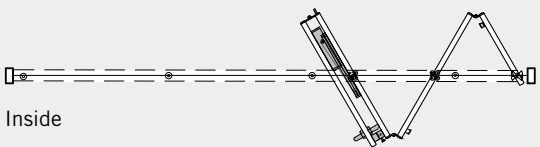
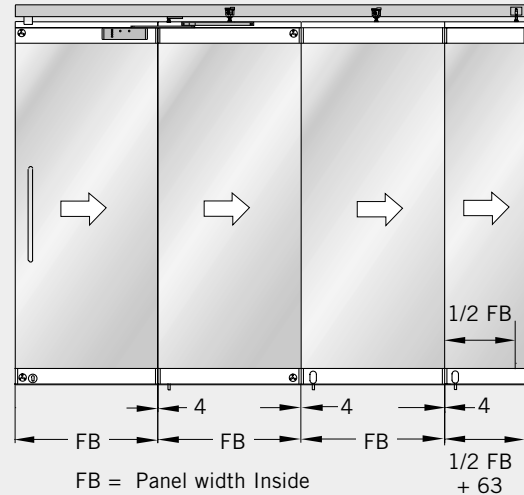
Right:

- 1 access leaf (final folding panel with TS 93 G door closer)
- 1 folding panel
- 1 base panel (narrow)



Type Cp2

- 1 access leaf (final folding panel with TS 93 G)
- 2 folding panels
- 1 base panel (narrow)



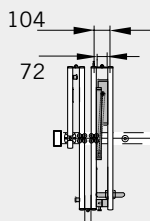
Type Cp2 double (counter-running) system

Left:

- 1 base panel (narrow)
- 2 folding panels
- 1 access leaf (final folding panel with TS 93 G)

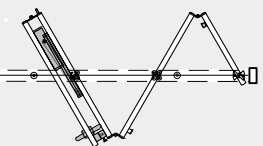
Right:

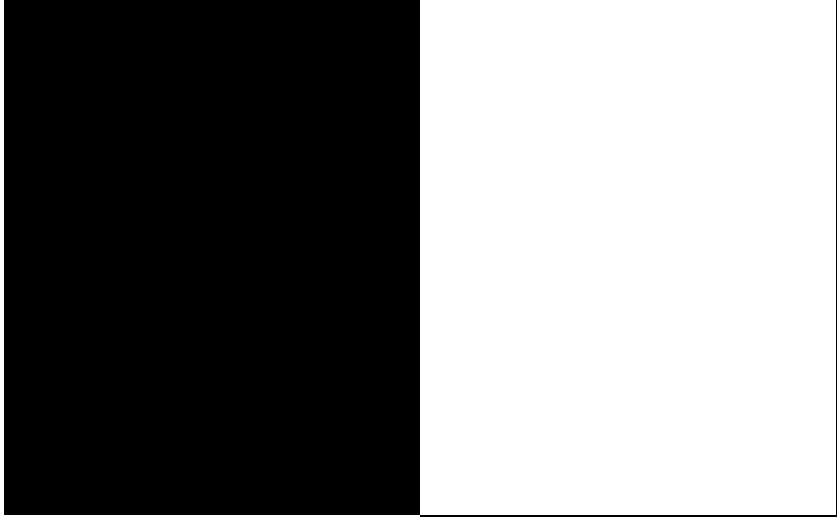
- 1 access leaf (final folding panel with TS 93 G)
- 2 folding panels
- 1 base panel (narrow)



Inside

42 mm between the door rails
64 mm between the glass panes





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