

ALL-GLASS SLIDING-SYSTEM SV1020

System overview

SV1020



System description

The STOBAG complete sliding glass panel system SV1020 enables the individual parallel sliding panels to be moved horizontally to one or two sides. On opening the first sliding panel, the other sliding panels are automatically opened by integrated followers. The floor-mounted construction means that wide openings can be achieved without the need for additional roof supports. The lower ball-bearing mounted carriages ensure optimum and smooth running of the individual sliding panels. The height compensation of the top track of up to 20 mm and the height adjustment of the rollers of up to 5 mm enables the sliding system to compensate for structural sagging of the eaves or lintel problem-free and allows quick and easy assembly.

Profile system

- All-glass sliding system
- Bottom loaded/running construction
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „barrier-free dwellings“ according to DIN 18025
- Optionally with or without lateral vertical frame profiles
- Optionally with or without vertical panel frames
- Height variations of up to 20 mm can be compensated

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe fittings
- Integrated followers automatically move the adjacent panels when opening the sliding panel
- Various handles and C-pull handles available for inside and outside
- Locking from interior possible

Running assembly

- Low-noise, ball bearing rollers with wear-resistant and low-maintenance running surfaces
- The carriages feature a height adjustment of up to 5 mm
- The load capacity of the carriages is 80 kg/panel (maximum panel weight)

Sealing and ventilation

- Sliding panels overlap vertically by approximately 25 - 50 mm
- Gap of approximately 8 mm between glass panels (when 10 mm glazing is used)
- Gap cover using aluminum section with brush seal
- Brush gaskets are fitted horizontally at the top and at the vertical frame on the inside and outside

Glazing

- 8 or 10 mm safety glass panes (TSG or TSG-H)

Drainage

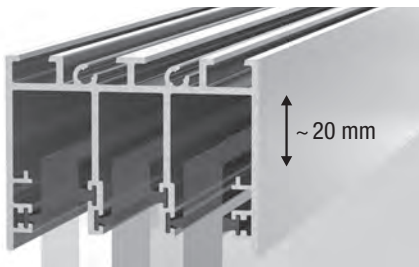
- Inclined floor construction and length-optimized webs
- End caps for lateral sealing of the bottom tracks

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System overview

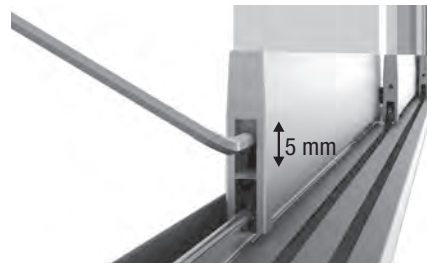
SV1020

System description



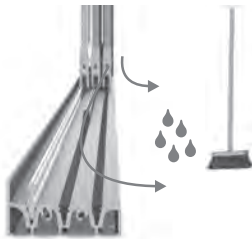
Height compensation

The ceiling rail adjusts to height differences up to 20 mm in case of building subsidences at the upper construction.



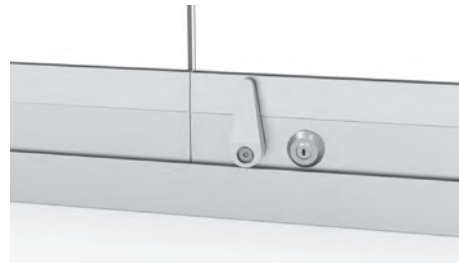
Height adjustment

To compensate for structural variations the integrated rollers can be adjusted for height by up to 5 mm.



Drainage and cleaning

A sloping floor construction and optimally shortened rail lengths permit unpressurised drainage and simple cleaning of the floor rail. The anti-slip coating ensures that the floor rail surface is safe to walk on.



Lever operation with lock

Optionally an handle, a lock and a locking mechanism can be fitted to the panel internally and externally.



Sealing

Maximum transparency, permanent ventilation and protection against driving rain are ensured by a 25 mm covering of the panels when closed.



Vertical frame

Increased hail stone and wind resistance due to optionally available brush profiles and brushes



Convenience

On closing and opening the sliding door each adjacent panel respectively is automatically moved by the integrated followers.



Kinds of handles

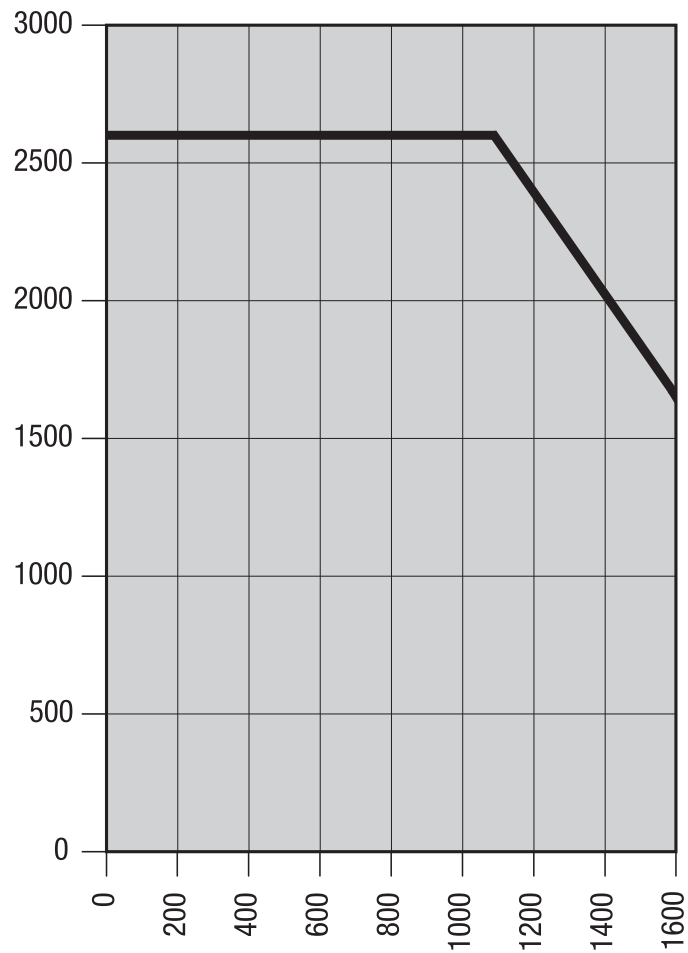
- ① Plastic knob, Ø 50 mm,
- ② Stainless steel knob, Ø 50 mm
- ③ Stainless steel C-Pull handle, Ø 80 mm

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System overview

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Diagram of panel sizes



The maximum weight of 80 kg per panel must not be exceeded.

Glass weight

Per mm glass thickness one calculates with 2.5 kg / m²

1 m² ESG / ESG-H 8 mm = 20 kg / m²

1 m² ESG / ESG-H 10 mm = 25 kg / m²

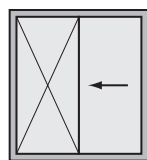
ESG = toughened safety glass

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System overview

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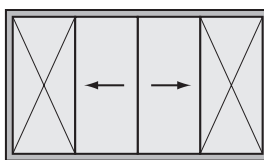
Design options / Opening variations



OUTSIDE



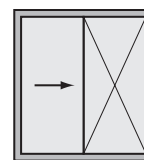
INSIDE



OUTSIDE



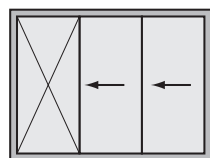
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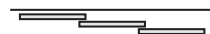
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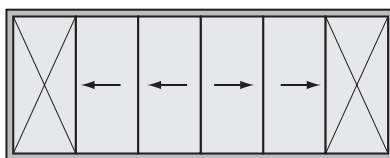
INSIDE



OUTSIDE



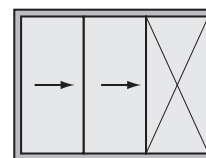
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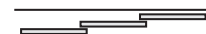
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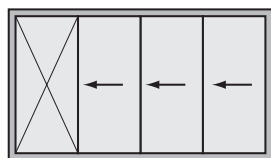
INSIDE



OUTSIDE



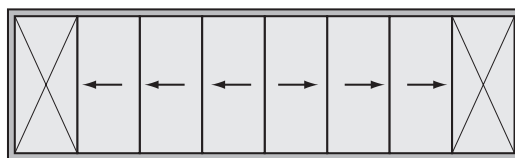
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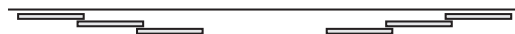
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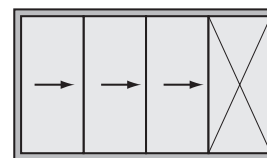
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OUTSIDE



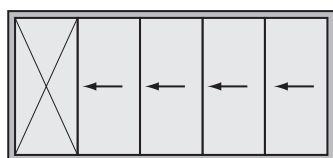
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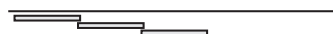
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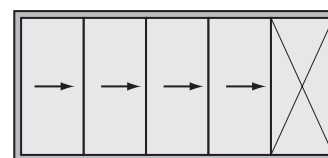
INSIDE



OUTSIDE



INSIDE



OUTSIDE



INSIDE

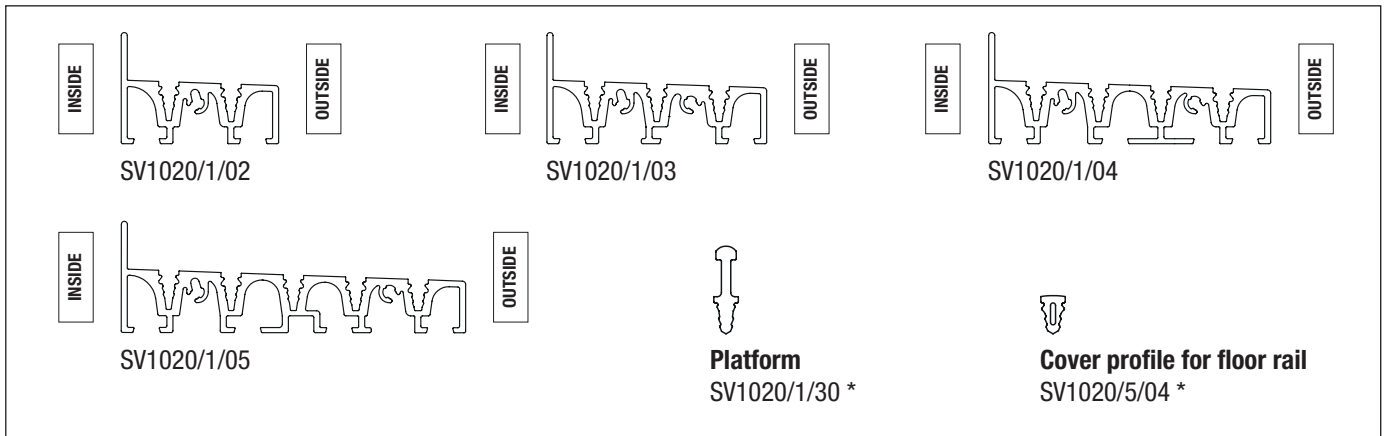
Additional installation variants on request

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Profile overview

SV1020

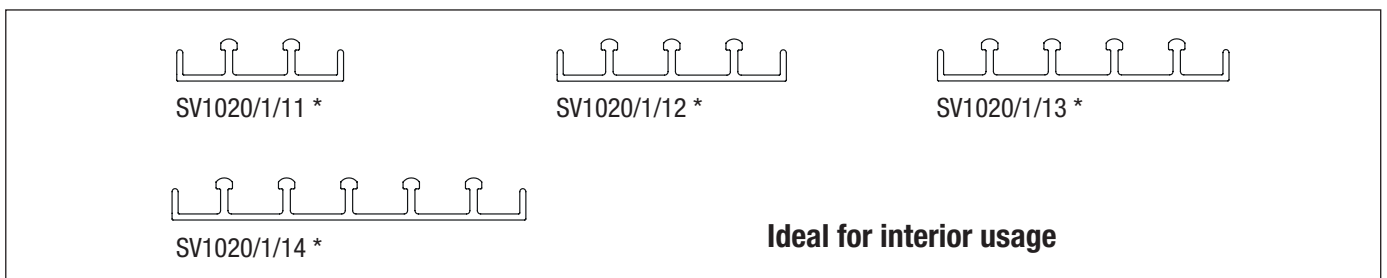
Bottom tracks Standard (surface mounted mounting)



* = Surface always anodised colourless E6 - EV1

SV1020

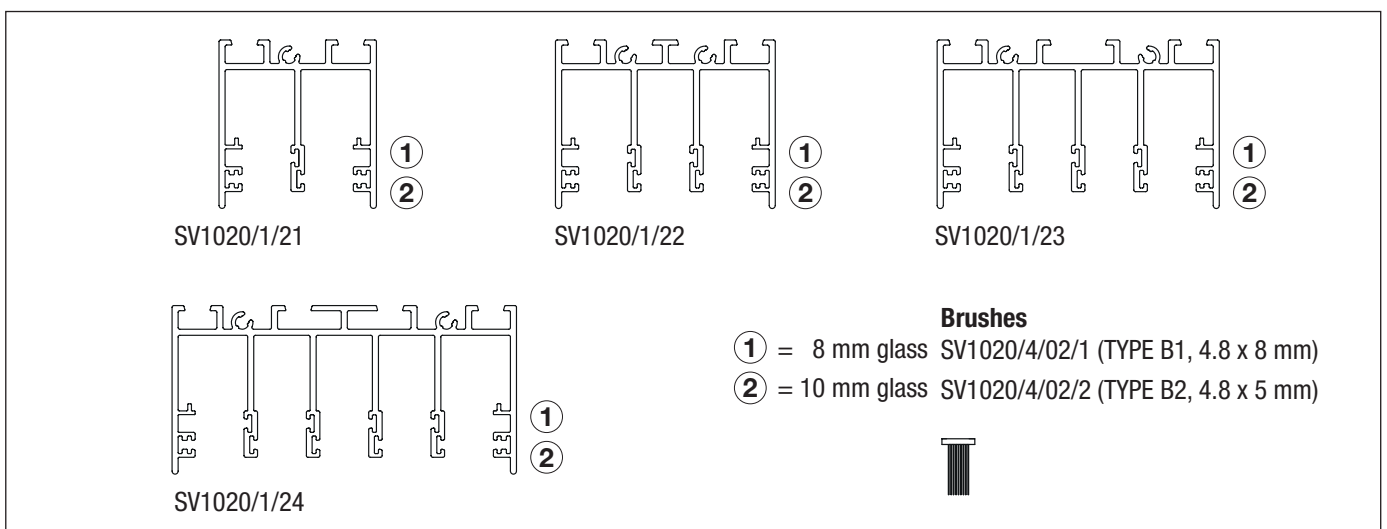
Recessed bottom tracks small (surface mounted and recessed mounting)



* = Surface always anodised colourless E6 - EV1

SV1020

Top tracks



Brushes

- ① = 8 mm glass SV1020/4/02/1 (TYPE B1, 4.8 x 8 mm)
- ② = 10 mm glass SV1020/4/02/2 (TYPE B2, 4.8 x 5 mm)

ALL-GLASS SLIDING-SYSTEM SV1020

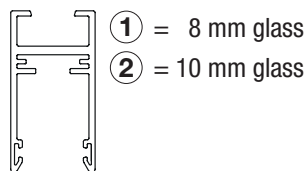
Profile overview

SV1020

Various profiles

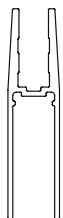
U-profile for side vertical frames

SV1020/1/60



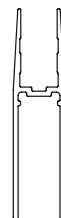
Panel profile – 8 mm glass

SV1020/1/40



Panel profile – 10 mm glass

SV1020/1/41



Brush profile 8 mm glass

SV1020/1/55 *



Brush profile 10 mm glass

SV1020/1/56 *



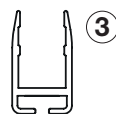
Brushes for brush profile

- ① = SV1020/4/02/1 (TYPE B1, 4.8 x 8 mm)
- ② = SV1020/4/02/2 (TYPE B2, 4.8 x 5 mm)



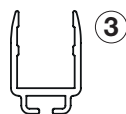
Seal profile 8 mm glass

SV1020/1/50 *



Seal profile 10 mm glass

SV1020/1/51 *



Strip brush

- ③ = S510/1



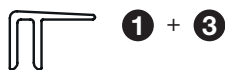
Silicon blank

SV1020/4/10



Cover strip

SV1020/1/32



Cover strip

SV1020/1/33



- ① = suitable for small floor rail
- ② = suitable for surface mounting
- ③ = suitable for recessed mounting

* = Surface always anodised colourless E6 - EV1

ALL-GLASS SLIDING-SYSTEM SV1020

Parts overview

SV1020

Various single parts

Plastic knob inside
SV1020/6/01



Stainless steel knob inside 8mm
SV1020/6/02/1



Stainless steel knob inside 10mm
SV1020/6/02/2



Shell-type handle stainless steel
SV1020/6/03



Track carriage with carrier left anodized
SV1020/6/1



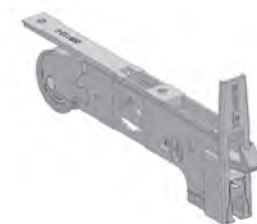
Track carriage with carrier right anodized
SV1020/6/2



Track carriage without carrier anodized
SV1020/6/3



Track carriage without carrier with latch anodized
SV1020/6/4



Lever operation for lock
SV1020/6/20



Lever lock left anodized
SV1020/6/21



Lever lock right anodized
SV1020/6/22



Transition piece platform anodized
SV1020/6/25



ALL-GLASS SLIDING-SYSTEM SV1020

Parts overview

SV1020

Various single parts

End piece floor rail 5-track
SV1020/6/40



End piece floor rail 4-track
SV1020/6/41



End piece floor rail 3-track
SV1020/6/42



End piece floor rail 2-track
SV1020/6/43



Stopper vertical
SV1020/6/50



Mounting lug top
SV1020/6/70



Cover cap set for floor rail
SV1020/6/73



Fixing block ceiling rail
SV1020/6/74



Bump stop, cylindrical
SV1020/6/75



Hold-down clamp longitudinal guide
SV1020/6/77

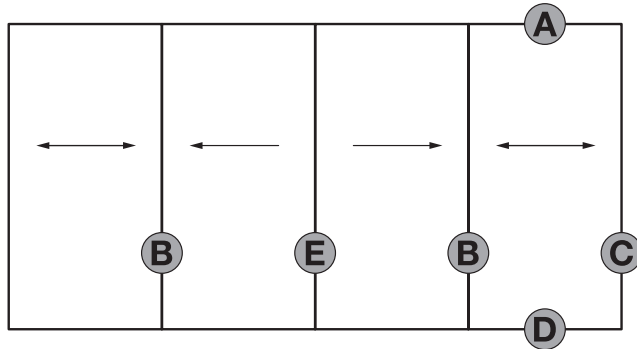


ALL-GLASS SLIDING-SYSTEM SV1020

Profile

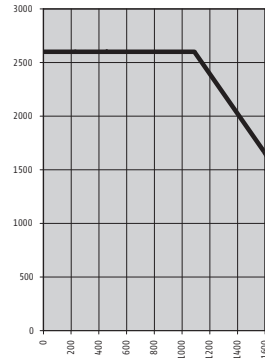
SV1020

Intersection points



Details at even panel partitioning in two directions

Diagram of panel sizes



* For panel sizes exceeding 2600 mm – special inquiry
 * Basis glazing 10 mm (25 kg/m²)

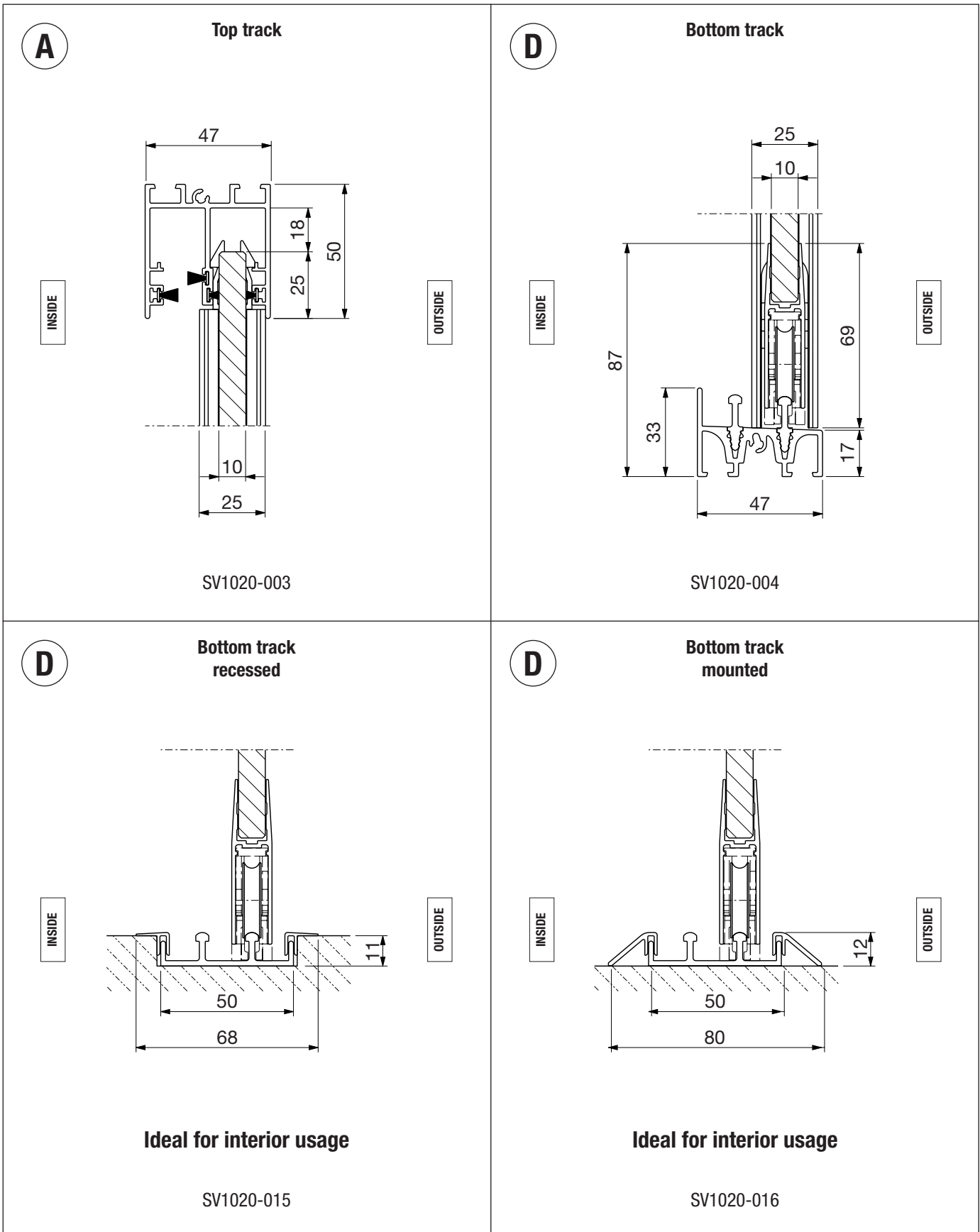
Ref.	Section	Description	Page
A	SV1020-003	Vertical-Section, top track / 2-track	17.10
D	SV1020-004	Vertical-Section, bottom track / 2-track	17.10
D	SV1020-015	Vertical-Section, bottom track / 2-track / recessed	17.10
D	SV1020-016	Vertical-Section, bottom track / 2-track / mounted	17.10
A	SV1020-005	Vertical-Section, top track / 3-track	17.11
D	SV1020-006	Vertical-Section, bottom track / 3-track	17.11
D	SV1020-017	Vertical-Section, bottom track / 3-track / recessed	17.11
D	SV1020-018	Vertical-Section, bottom track / 3-track / mounted	17.11
A	SV1020-007	Vertical-Section, top track / 4-track	17.12
D	SV1020-008	Vertical-Section, bottom track / 4-track	17.12
D	SV1020-019	Vertical-Section, bottom track / 4-track / recessed	17.12
D	SV1020-020	Vertical-Section, bottom track / 4-track / mounted	17.12
A	SV1020-009	Vertical-Section, top track / 5-track	17.13
D	SV1020-010	Vertical-Section, bottom track / 5-track	17.13
D	SV1020-021	Vertical-Section, bottom track / 5-track / recessed	17.13
D	SV1020-022	Vertical-Section, bottom track / 5-track / mounted	17.13
C	SV1020-102	Horizontal-Section, side wall fitting standard design / 2-track	17.14
C	SV1020-115	Horizontal-Section, side wall fitting with brush gasket / 2-track	17.14
C	SV1020-103	Horizontal-Section, side wall connection with side vertical frame (optional) / 2-track	17.14
B	SV1020-104	Horizontal-Section, panel-panel / 2-track	17.14
E	SV1020-116	Horizontal-Section, panel-panel center with brush gasket / 2-track	17.15
E	SV1020-105	Horizontal-Section, panel-panel center / 2-track	17.15
C	SV1020-106	Horizontal-Section, side wall connection with side vertical frame (optional) / 3-track	17.16
B	SV1020-107	Horizontal-Section, panel-panel / 3-track	17.16
E	SV1020-108	Horizontal-Section, panel-panel center / 3-track	17.16
C	SV1020-109	Horizontal-Section, side wall connection with side vertical frame (optional) / 4-track	17.17
B	SV1020-110	Horizontal-Section, panel-panel / 4-track	17.17
E	SV1020-111	Horizontal-Section, panel-panel center / 4-track	17.17
C	SV1020-112	Horizontal-Section, side wall connection with side vertical frame (optional) / 5-track	17.18
B	SV1020-113	Horizontal-Section, panel-panel / 5-track	17.18
E	SV1020-114	Horizontal-Section, panel-panel center / 5-track	17.18

ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Vertical-Section / 2-track

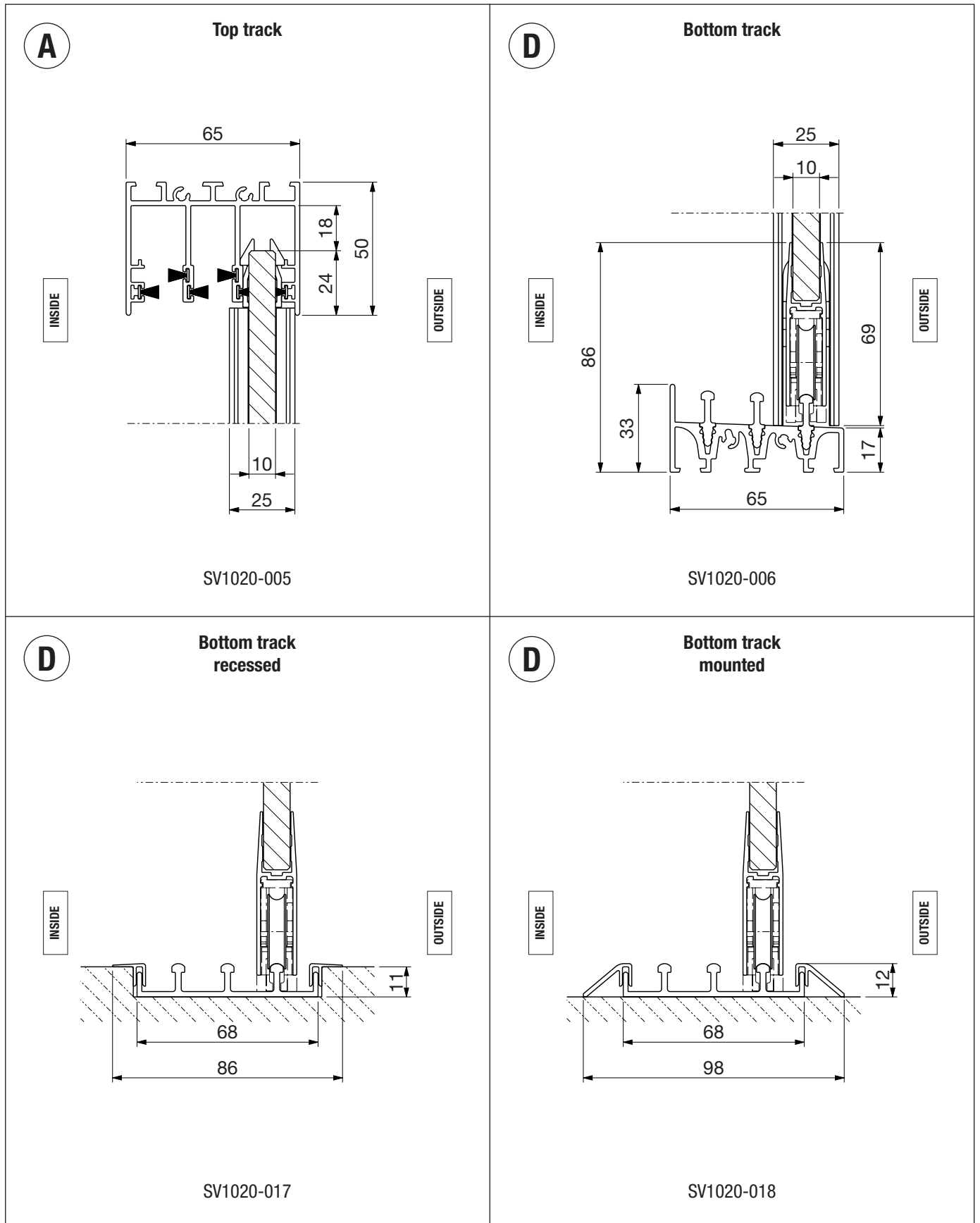


ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Vertical-Section / 3-track

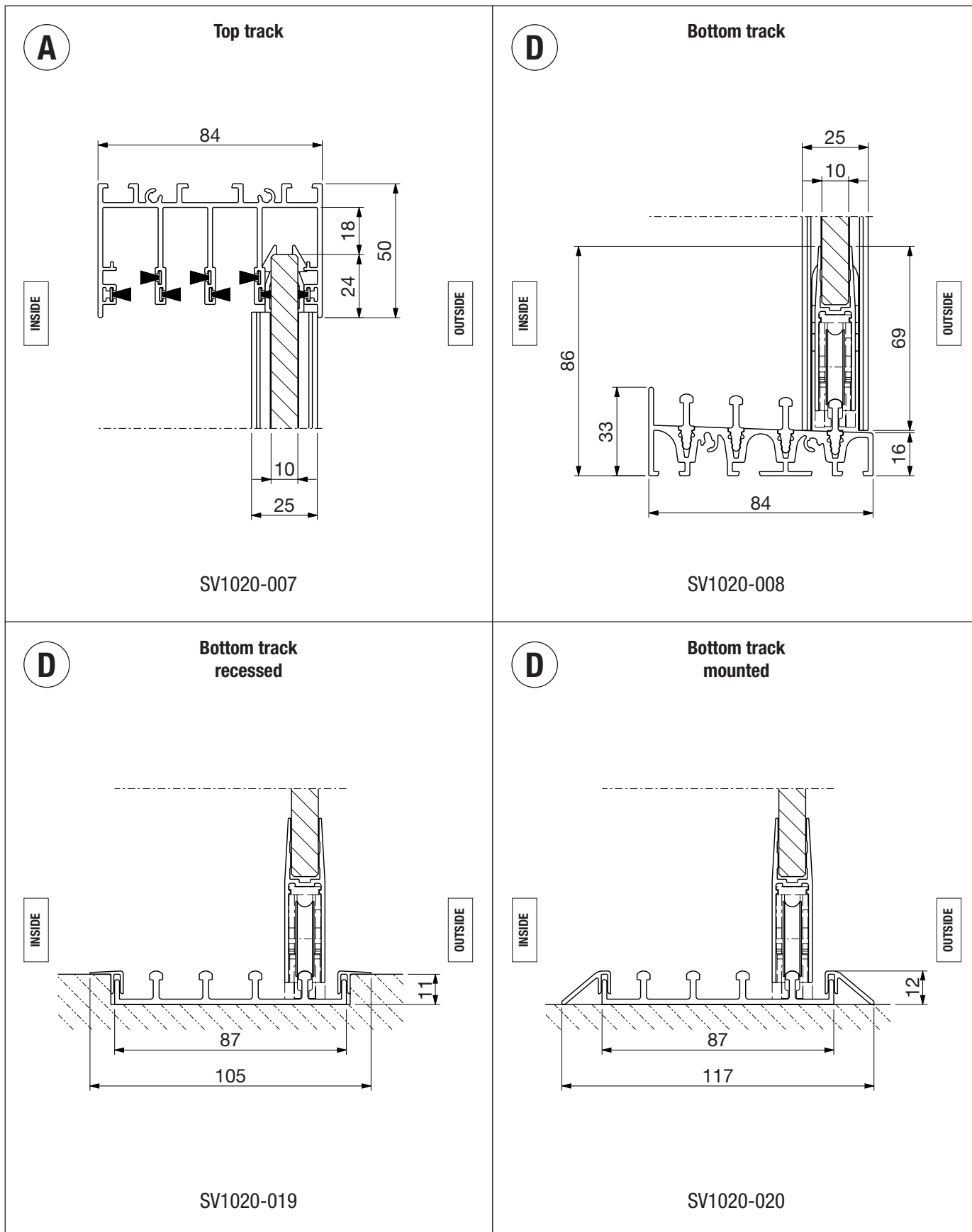


ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Vertical-Section / 4-track

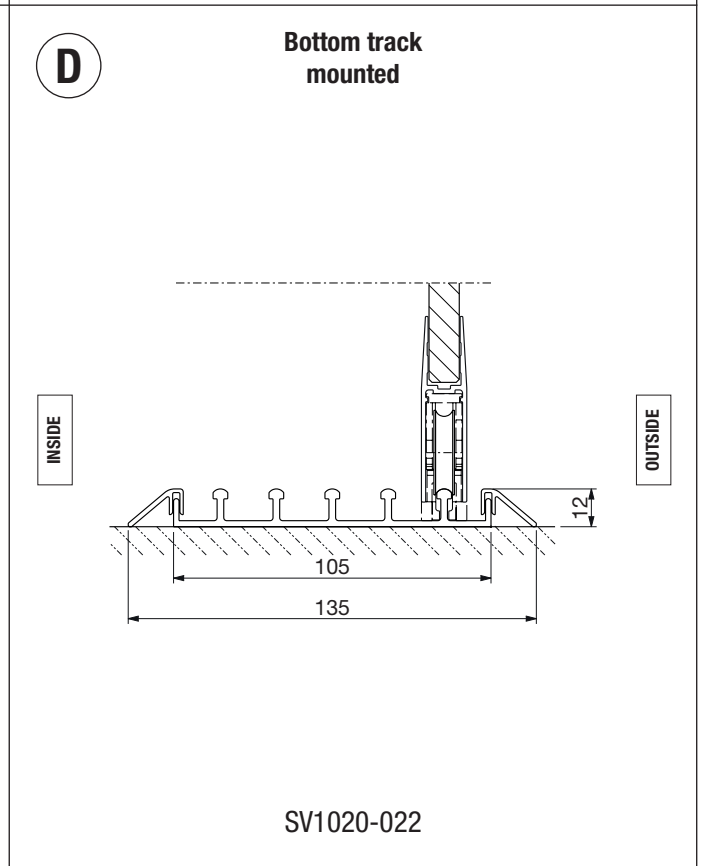
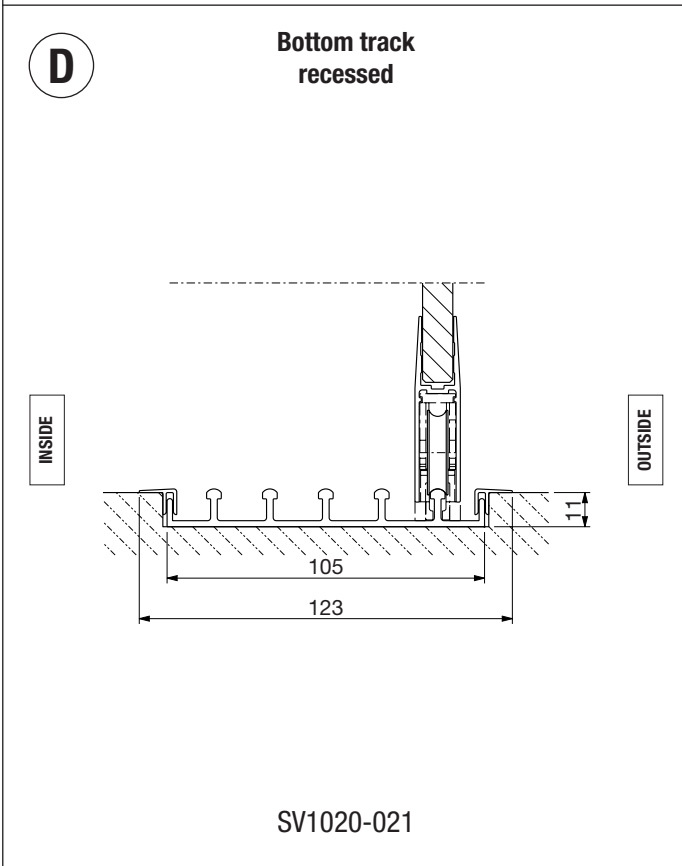
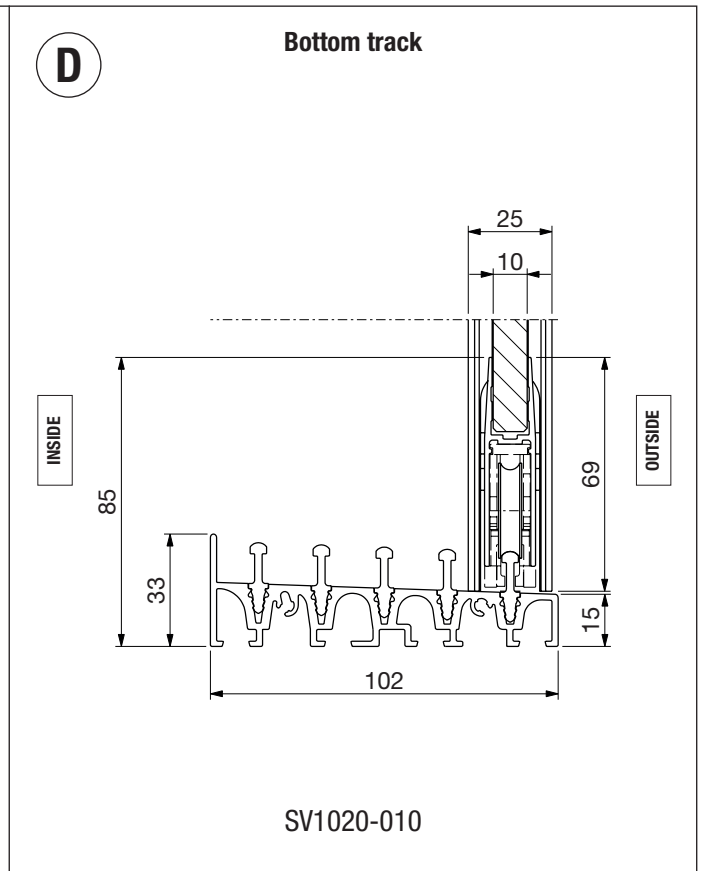
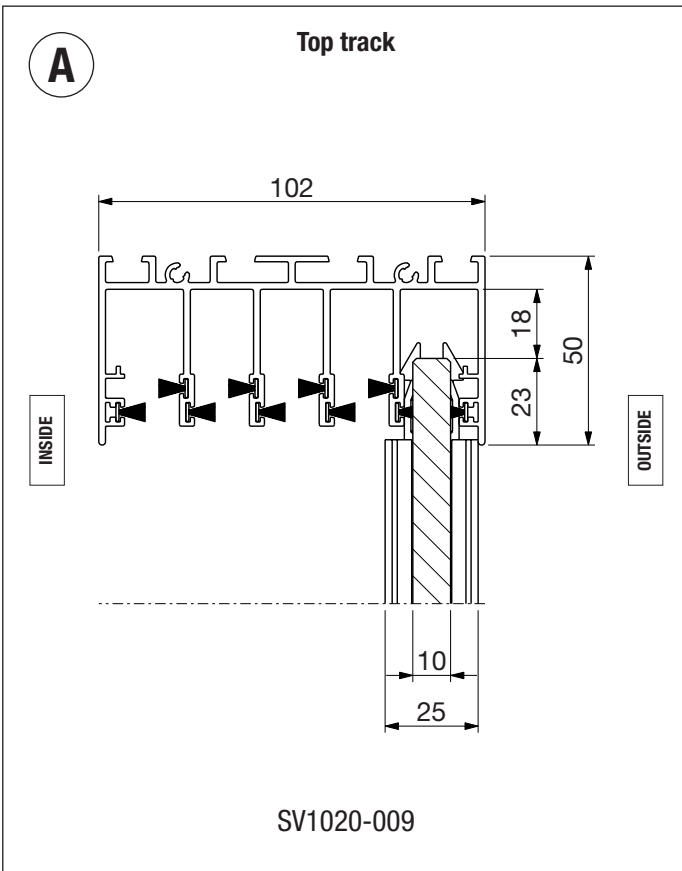


ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Vertical-Section / 5-track

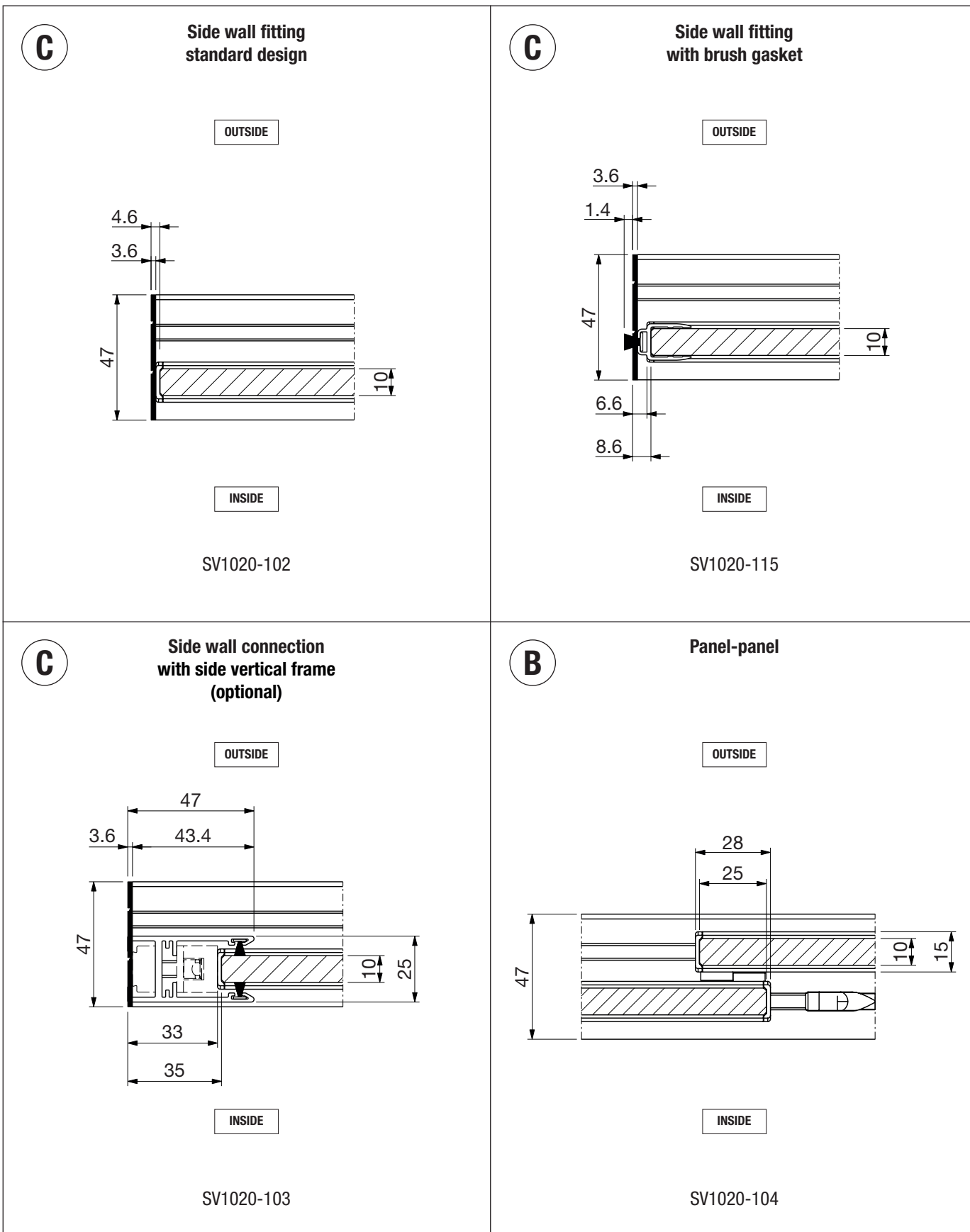


ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Horizontal-Section / 2-track

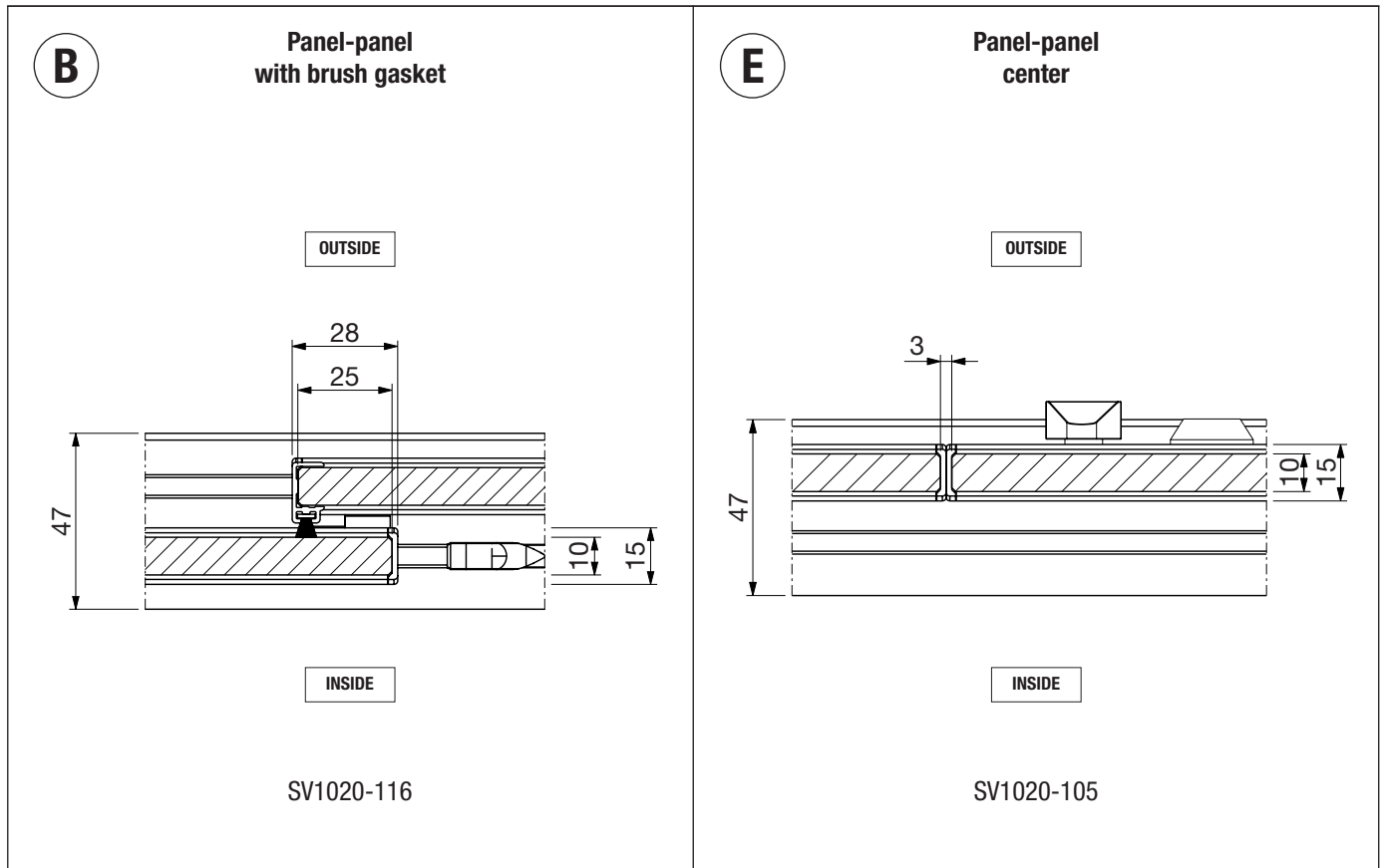


ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Horizontal-Section / 2-track



ALL-GLASS SLIDING-SYSTEM SV1020

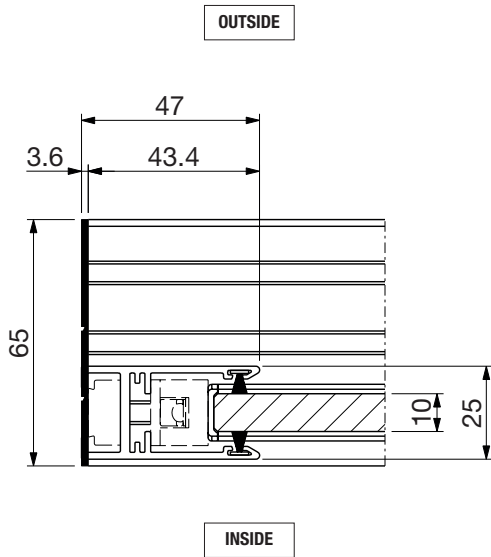
Profile

SV1020

Horizontal-Section / 3-track

C

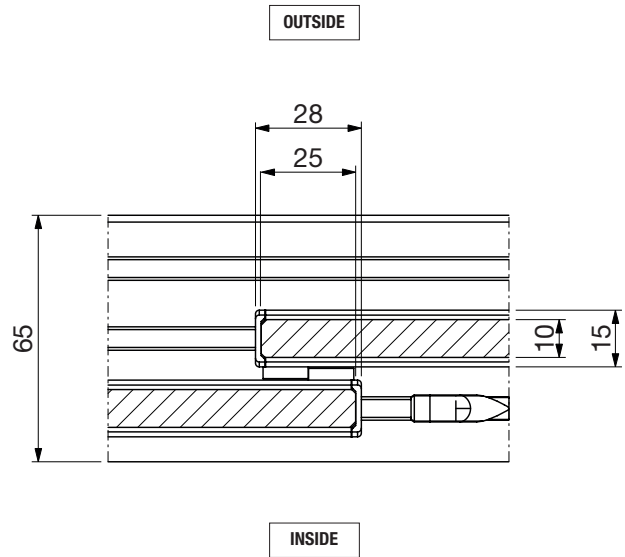
Side wall connection
with side vertical frame
(optional)



SV1020-106

B

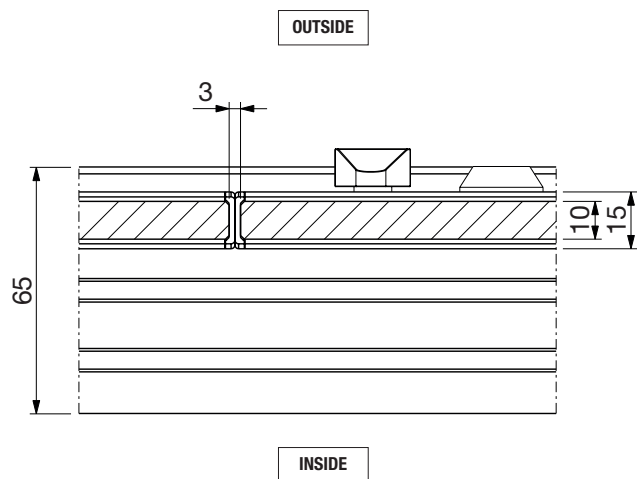
Panel-panel



SV1020-107

E

Panel-panel
center



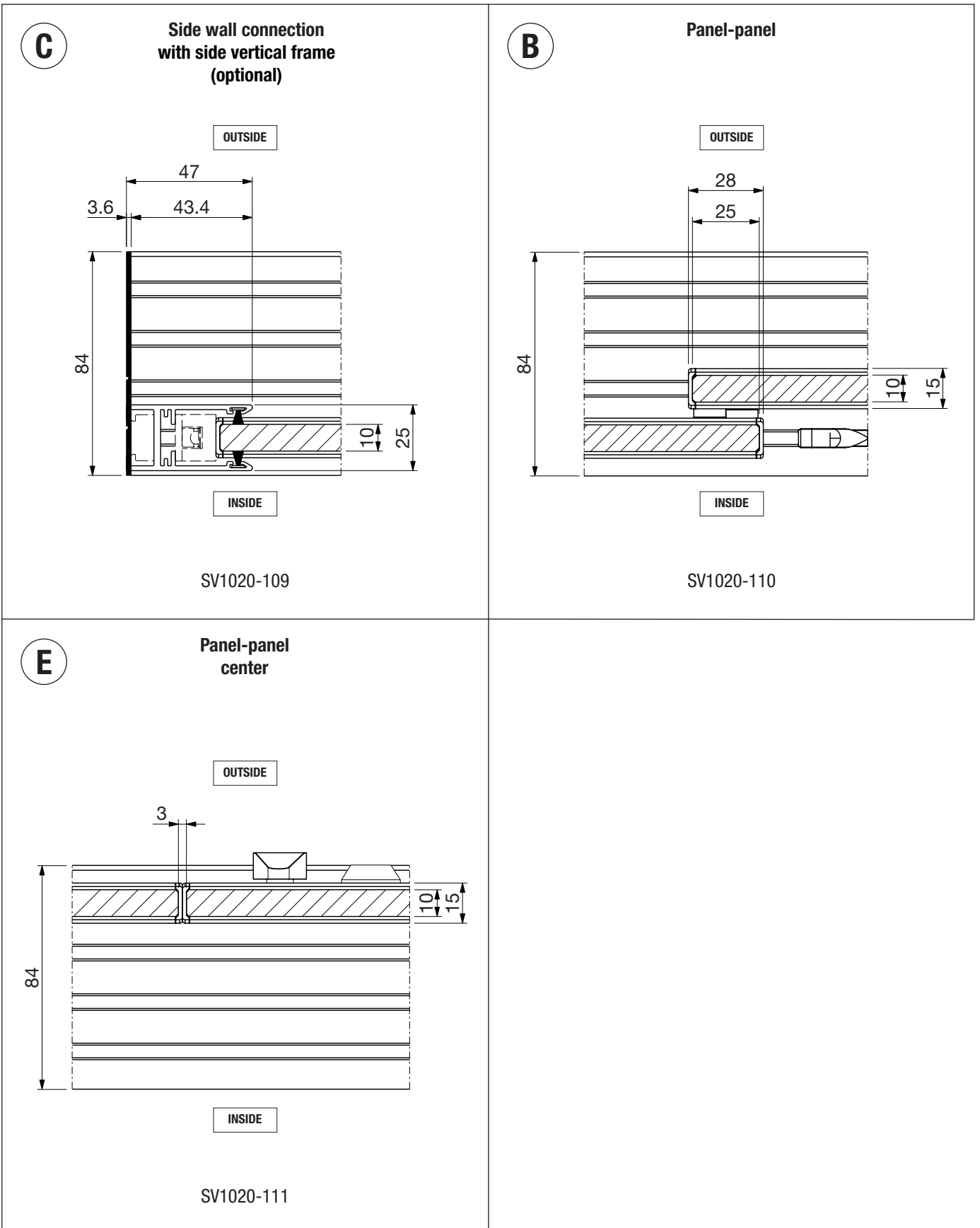
SV1020-108

ALL-GLASS SLIDING-SYSTEM SV1020

Profile

SV1020

Horizontal-Section / 4-track



ALL-GLASS SLIDING-SYSTEM SV1020

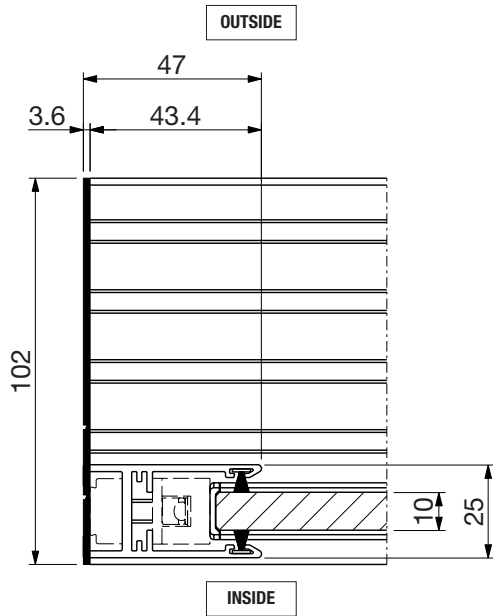
Profile

SV1020

Horizontal-Section / 5-track

C

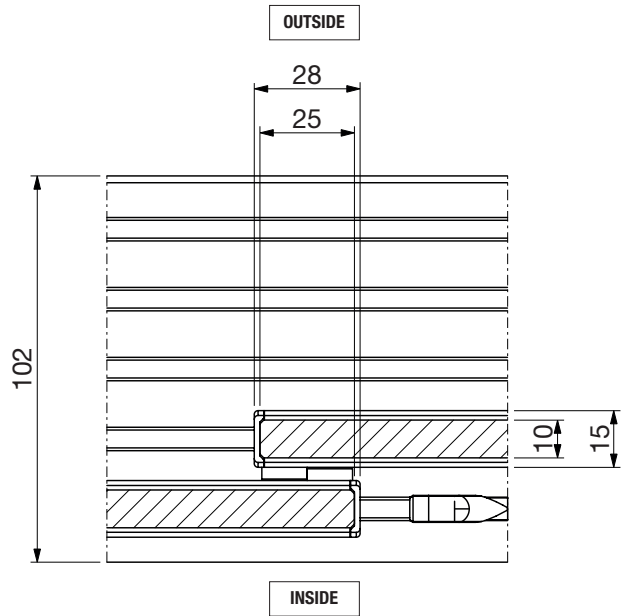
Side wall connection
with side vertical frame
(optional)



SV1020-112

B

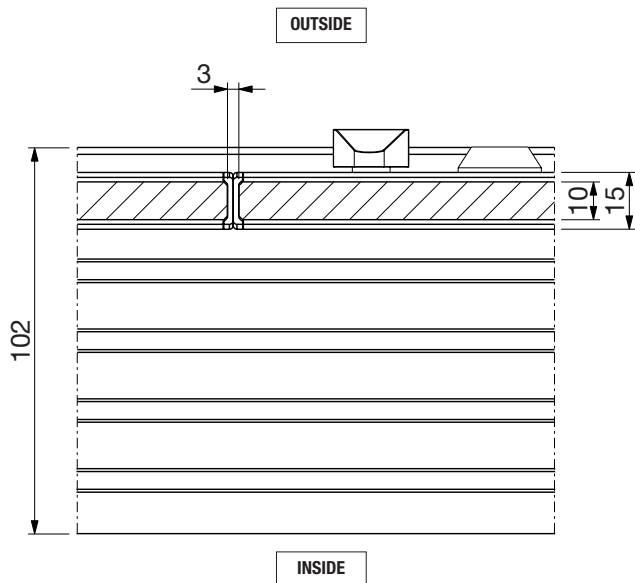
Panel-panel



SV1020-113

E

Panel-panel
center



SV1020-114