



MAXIVERANDA
PERGOLA & GLASS SYSTEMS

TECHNICAL CATALOGUE

CLASSIC

Guillotine glass system

Motorised vertical sliding glass: two panels lower behind a fixed one and open the view.

MAX. SIZE

3500 × 3000

Width × height in mm

GLASS

8 · 10 · 20 mm

Tempered single glass or IGU

DRIVE

Chain or belt

Tubular motor in the top box



THE SYSTEM

A classic guillotine glass system, motorised

Panels lower to open and rise to close, at the touch of a remote

The classic guillotine system is a motorised vertical sliding glass system for balconies, terraces, winter gardens and restaurant fronts. Three glass panels run in three parallel tracks, formed in each jamb by the V.GY.101, V.GY.102 and V.GY.100 profiles.

Lowered, the outer and middle panels stack in front of the fixed inner panel and leave the opening free above a glass balustrade. The V.GY.108 cap on the outer panel becomes the handrail. Raised, the panels close the opening from sill to motor box.

A two-panel layout, one moving and one fixed, suits lower openings.

Two moving panels, one fixed

The outer and middle panels lower; the inner panel stays

Chain or belt drive

Tubular motor and GY-18 tube in the V.GY.104 box

Up to 3500 × 3000 mm

Maximum width × maximum height

8 or 10 mm glass, or 20 mm IGU

Tempered single glass, or 4 + 12 + 4 mm

Fixed or moving handrail cap

V.GY.108 as standard, or V.GY.207 with the V.GY.208 cap

RAL 7016 textured or RAL 9016 white

1 Panels closed



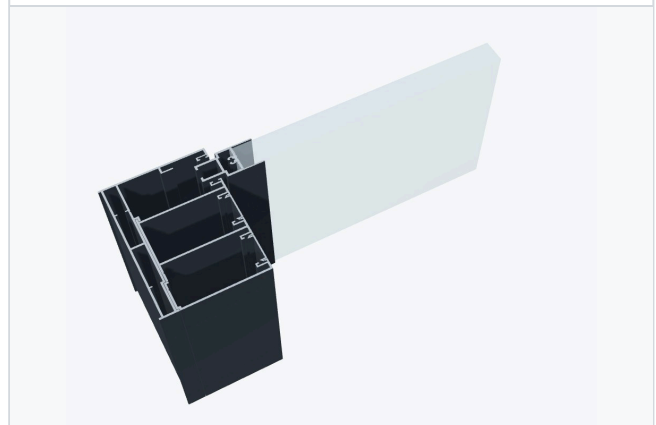
2 Panels lowered, stacked



3 Vertical section, 3D



4 Jamb and panel tracks, 3D section





COMPONENTS

Profiles of the classic guillotine system

Twenty extrusions make up the frame, the motor box and the glass panels

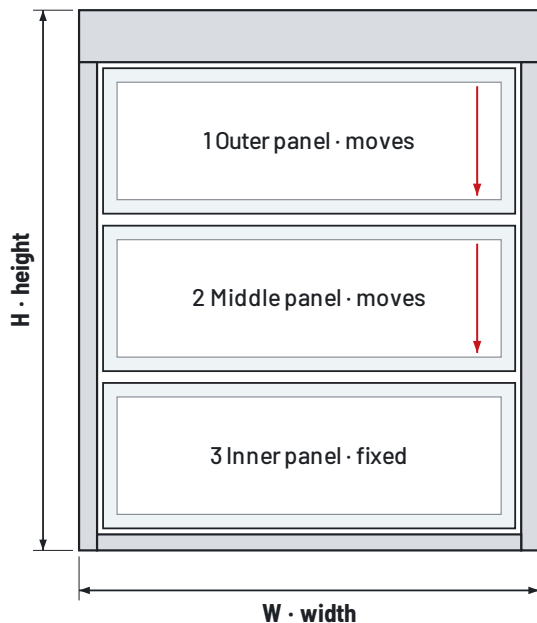
3D	CODE	PROFILE	SIZE (MM)	KG/M	PAGE
FRAME AND SILL					
	V.GY.101	Frame jamb profile Main jamb, outer track and frame back	118.7 × 85	1.650	05
	V.GY.102	Middle jamb profile Middle and inner tracks in the jamb	62.3 × 69.8	1.136	05
	V.GY.100	End jamb profile Closes the inner track on the room side	24.9 × 71.8	0.492	05
	V.GY.106	Sill profile, classic Bottom frame the panels close onto	118.6 × 44.2	1.295	05
MOTOR BOX					
	V.GY.104	Motor box profile Houses the motor tube and the drive	125.3 × 143.2	2.430	06
	V.GY.105	Motor box cover Closes the motor box on the room side	19.8 × 137.8	0.837	06
	2458	Motor box trim channel Small channel on the motor box cover	7.9 × 12	0.065	06
	V.GY.111	Drip profile Sheds rainwater off the motor box	25.7 × 24.4	0.237	06
	V.GY.110	Side cover profile Snap-in cover for unused tracks	24.4 × 5.3	0.100	06
GLASS PANELS					
	V.GY.103	Sash stile profile Vertical edge of each glass panel	49 × 24.5	0.706	07
	V.GY.107	Bottom rail profile Bottom rail of the fixed inner panel	28.5 × 32	0.494	07
	V.ES.109	Interlock rail profile Links the panels as they travel	36 × 32	0.606	07
	V.ES.112	Interlock insert Insert in the V.ES.109 interlock rail	30.4 × 11.6	0.130	07
	V.GY.207	Top rail profile Outer panel top rail, cap option	28.5 × 32	0.575	07
	V.GY.208	Top rail cap, moving Moving cap on the V.GY.207 rail	106.9 × 12.8	0.573	07
	V.GY.108	Handrail cap, fixed Top rail and handrail of the outer panel, standard	112.3 × 34.3	0.880	08
GLAZING BEADS					
	V.ES.115	Glazing bead, 8 mm glass For 8 mm glass, wide	24.6 × 16.9	0.178	08
	V.ES.116	Glazing bead, 8 mm glass For 8 mm glass, narrow	21.6 × 16.9	0.169	08
	V.ES.103	Glazing bead, 10 mm glass For 10 mm glass, narrow	21.6 × 16.9	0.174	08
	V.ES.104	Glazing bead, 10 mm glass For 10 mm glass, wide	24.6 × 16.9	0.176	08



SIZES AND OPTIONS

How the system is measured and specified

Frame size, panel layout, glass, handrail cap, drive and colour



W – width

Overall frame width, outside of jamb to outside of jamb.
Maximum 3500 mm.

H – height

Overall frame height, underside of the V.GY.106 sill to the top of the V.GY.104 motor box. Maximum 3000 mm.

Panel layout

Three panels: the outer and middle panels travel, the inner panel is fixed on the sill. Two panels, one moving and one fixed, for lower openings.

Opening

The outer and middle panels lower in front of the inner panel. The cap on the outer panel becomes the handrail.

Glass

8 mm

Tempered single glass

Beads V.ES.115 / V.ES.116

10 mm

Tempered single glass

Beads V.ES.103 / V.ES.104

20 mm

Insulated glass unit

4 + 12 + 4 mm, tempered

Handrail cap and drive

Both drives lift the outer panel from its GY-15 holders

Fixed cap - standard

V.GY.108 tops the outer panel and forms the handrail; GY-10 end caps

Moving cap - option

V.GY.208 cap on the V.GY.207 top rail; GY-24 blocks

Chain drive

GY-11 sprockets on the GY-18 tube, GY-14 chains, GY-13 guides

Belt drive

GY-16 pulleys on the GY-18 tube, GY-17 belts in the jambs

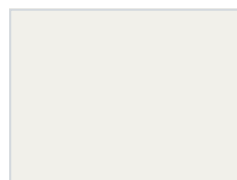
Colours

Electrostatic powder coating, 60–80 µm



RAL 7016 Anthracite

Textured finish
Standard colour



RAL 9016 White

Traffic white
Standard colour



PROFILES · FRAME AND SILL

Main jamb, track profiles and sill

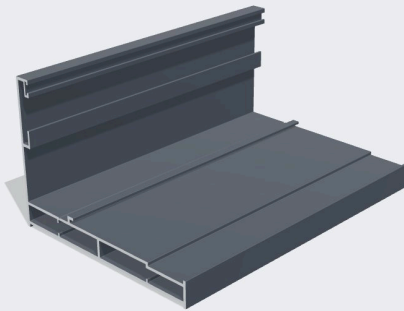
The fixed frame: three jamb profiles form the three panel tracks

V.GY.101 Frame jamb profile

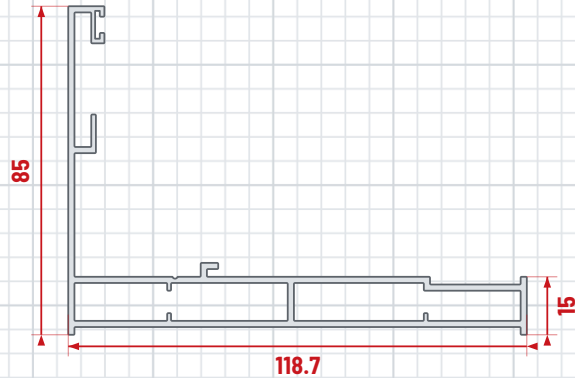
118.7 × 85 mm · Main jamb, outer track and frame back

1.650 kg/m

3 D



2 D · MM



V.GY.102 Middle jamb profile

62.3 × 69.8 mm

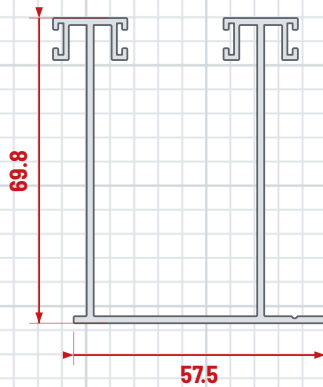
Middle and inner tracks in the jamb

1.136 kg/m

3 D



2 D · MM



V.GY.100 End jamb profile

24.9 × 71.8 mm

Closes the inner track on the room side

0.492 kg/m

3 D



2 D · MM

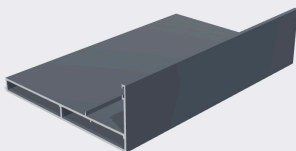


V.GY.106 Sill profile, classic

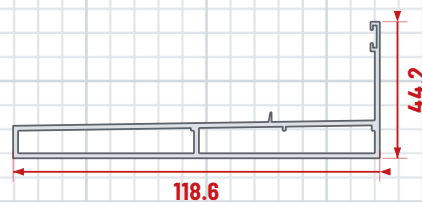
118.6 × 44.2 mm · Bottom frame the panels close onto

1.295 kg/m

3 D



2 D · MM





PROFILES · MOTOR BOX

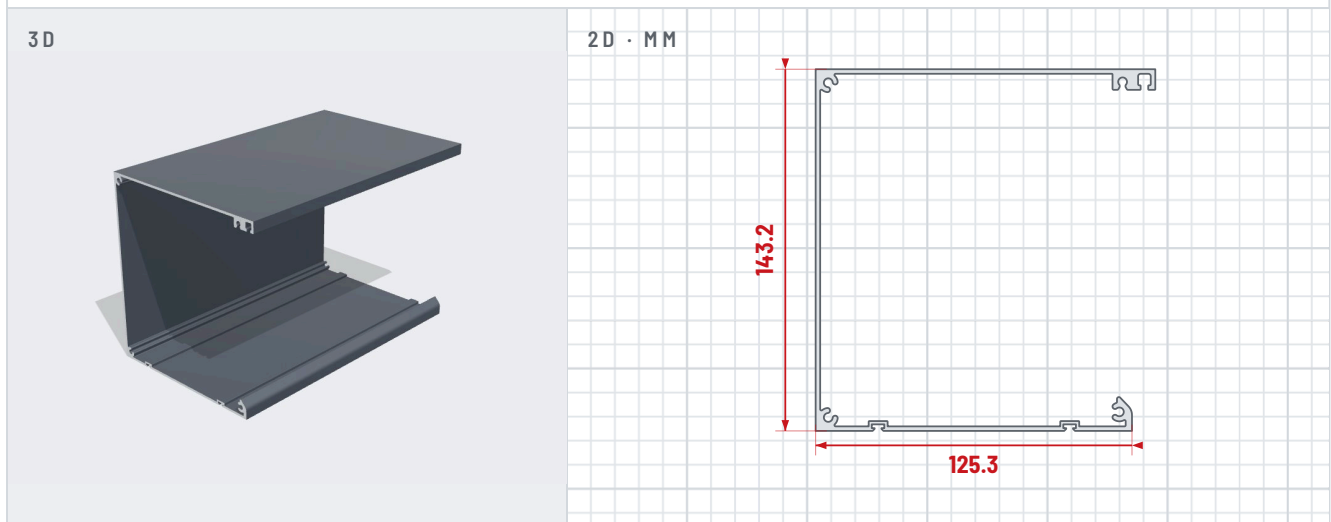
Motor box, cover, trim, drip and cover profiles

The top box houses the tube, the drive and the chain or belt

V.GY.104 Motor box profile

125.3 × 143.2 mm · Houses the motor tube and the drive

2.430 kg/m

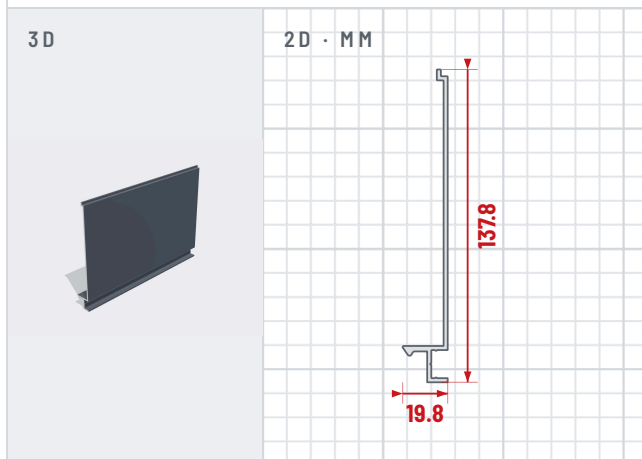


V.GY.105 Motor box cover

19.8 × 137.8 mm

Closes the motor box on the room side

0.837 kg/m

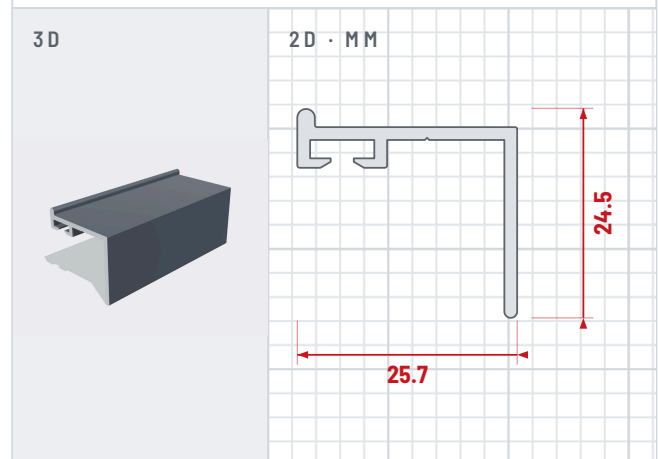


V.GY.111 Drip profile

25.7 × 24.4 mm

Sheds rainwater off the motor box

0.237 kg/m

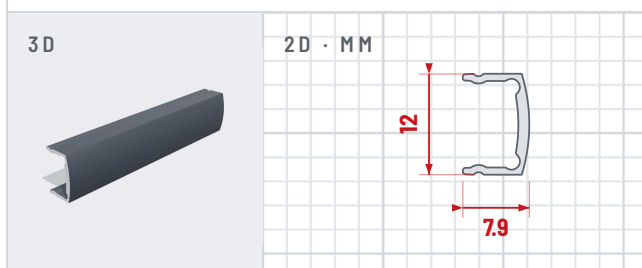


2458 Motor box trim channel

7.9 × 12 mm

Small channel on the motor box cover

0.065 kg/m

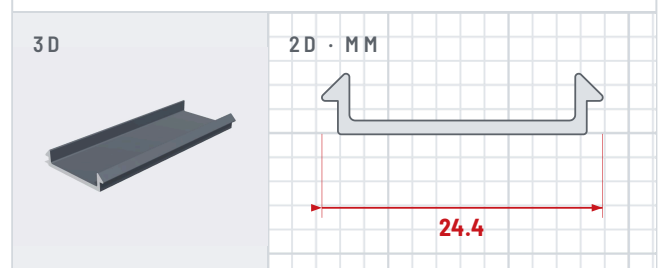


V.GY.110 Side cover profile

24.4 × 5.3 mm

Snap-in cover for unused tracks

0.100 kg/m





PROFILES · PANEL RAILS

Stiles, rails and interlocks of the glass panels

Every panel is framed by a stile on each side and a rail top and bottom

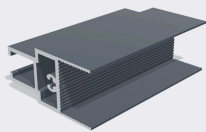
V.GY.103 Sash stile profile

49 × 24.5 mm

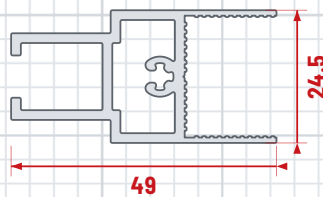
Vertical edge of each glass panel

0.706 kg/m

3D



2D · MM



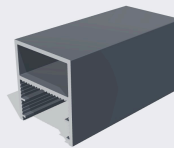
V.GY.107 Bottom rail profile

28.5 × 32 mm

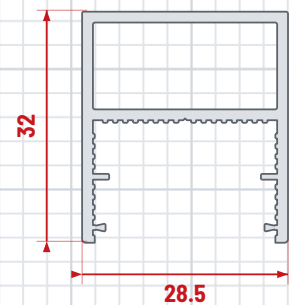
Bottom rail of the fixed inner panel

0.494 kg/m

3D



2D · MM



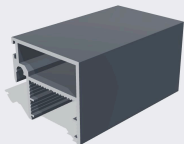
V.ES.109 Interlock rail profile

36 × 32 mm

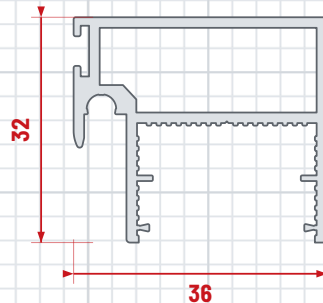
Links the panels as they travel

0.606 kg/m

3D



2D · MM



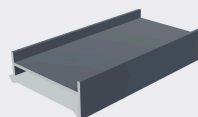
V.ES.112 Interlock insert

30.4 × 11.6 mm

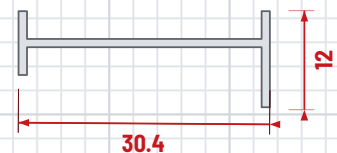
Insert in the V.ES.109 interlock rail

0.130 kg/m

3D



2D · MM



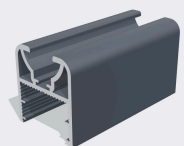
V.GY.207 Top rail profile

28.5 × 32 mm

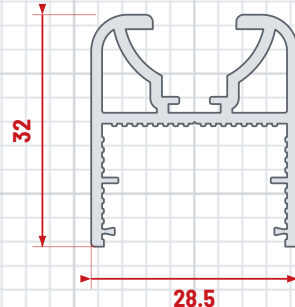
Outer panel top rail, cap option

0.575 kg/m

3D



2D · MM



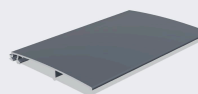
V.GY.208 Top rail cap, moving

106.9 × 12.8 mm

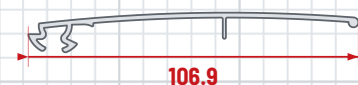
Moving cap on the V.GY.207 rail

0.573 kg/m

3D



2D · MM





PROFILES · HANDRAIL CAP AND BEADS

Fixed handrail cap and glazing beads

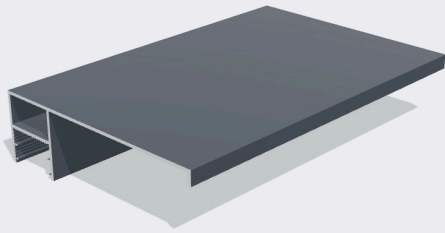
V.GY.108 tops the outer panel and becomes the handrail; beads hold 8 or 10 mm glass

V.GY.108 Handrail cap, fixed

112.3 × 34.3 mm · Top rail and handrail of the outer panel, standard

0.880 kg/m

3 D



2 D · MM

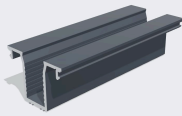


V.ES.115

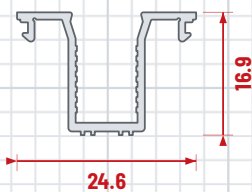
0.178 kg/m

Bead 8 mm
24.6 × 16.9 mm

3 D



2 D · MM

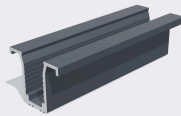


V.ES.116

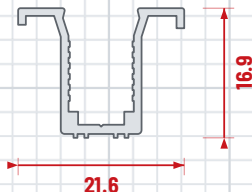
0.169 kg/m

Bead 8 mm
21.6 × 16.9 mm

3 D



2 D · MM

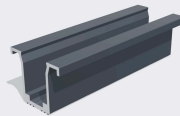


V.ES.103

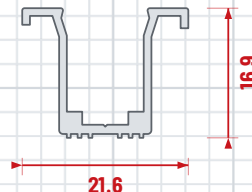
0.174 kg/m

Bead 10 mm
21.6 × 16.9 mm

3 D



2 D · MM

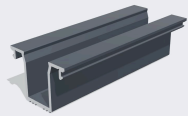


V.ES.104

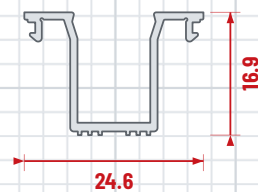
0.176 kg/m

Bead 10 mm
24.6 × 16.9 mm

3 D



2 D · MM

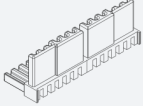
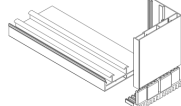
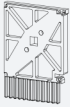
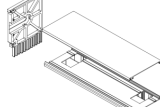
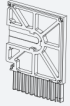
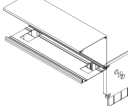
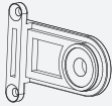
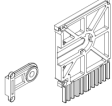
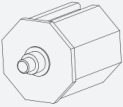
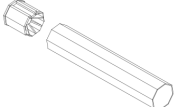
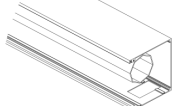
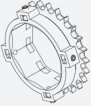
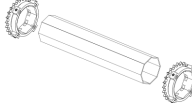
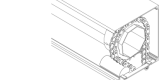
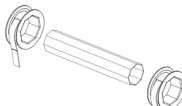




ACCESSORIES · MOTOR BOX AND DRIVE

Frame, motor box and drive parts

The parts that close the box, turn the tube and lift the panels

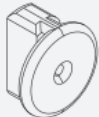
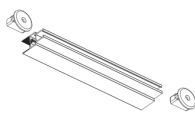
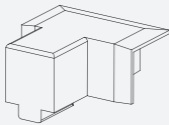
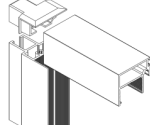
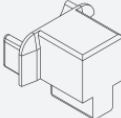
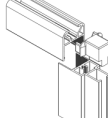
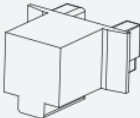
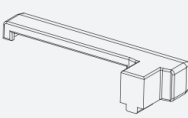
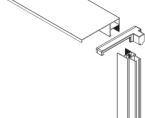
CODE	PART	DESCRIPTION	IN USE	WHERE USED	PACK
GY-01		Frame corner block, PVC		Joins the V.GY.106 sill to the jambs	2 pcs
GY-02		Motor-side end cap, PVC		Closes the motor box on the motor side	1 pc
GY-03		Idle-side end cap, PVC		Closes the motor box on the idle side	1 pc
GY-04		Bearing housing		Carries the tube on the idle-side end cap	1 pc
GY-05		Tube end plug, aluminium		Idle end of the GY-18 motor tube	1 pc
GY-18		Motor tube		Octagonal tube inside the V.GY.104 motor box	1 pc
GY-11		Chain sprocket		On the motor tube, one per side	2 pcs
GY-13		Chain guide		Leads the chain from the box into the jamb	2 pcs
GY-14		Chain, 2.5 m		Chain drive, one per side	2 pcs
GY-16		Belt pulley		Belt drive option, on the motor tube	2 pcs
GY-17		Belt, 2.5 m		Belt drive option, one per side	2 pcs
GY-15		Chain and belt holder		Connects the chain or belt to the outer panel	2 pcs



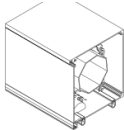
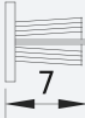
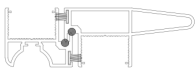
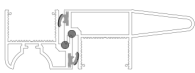
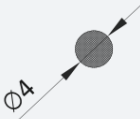
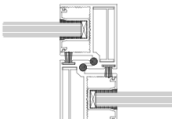
ACCESSORIES · PANELS AND SEALS

Panel parts, end caps, gaskets and seals

The parts that guide and close the panels, and the seals between them

CODE	PART	DESCRIPTION	IN USE	WHERE USED	PACK
GY-07		Centring block, PVC		Guides the panels in the jamb tracks	12 pcs
GY-08		Interlock rail end cap, PVC		Ends of the V.ES.109 interlock rails	4L + 4R
GY-24		Top rail block		Ends of the V.GY.207 top rail (moving cap option)	2 pcs
GY-09		Bottom rail end cap, PVC		Ends of the V.GY.107 bottom rail	2 pcs
GY-10		Handrail cap end cap, PVC		Ends of the V.GY.108 fixed cap	1L + 1R

Gaskets and seals

CODE	PART	DESCRIPTION	IN USE	WHERE USED	SUPPLY
Z-94		EPDM motor box gasket		Seals the top of the outer panel under the motor box	65 g/m · 153 m roll
LS55520		Brush seal, 7 mm		Jamb tracks and panel rails	400 m / pack
ZF-1		Flock seal		Alternative to the LS55520 brush seal on the rails	200 m / pack
W55.511		EPDM interlock cord, Ø4		Interlock rails	16 g/m · 609 m roll

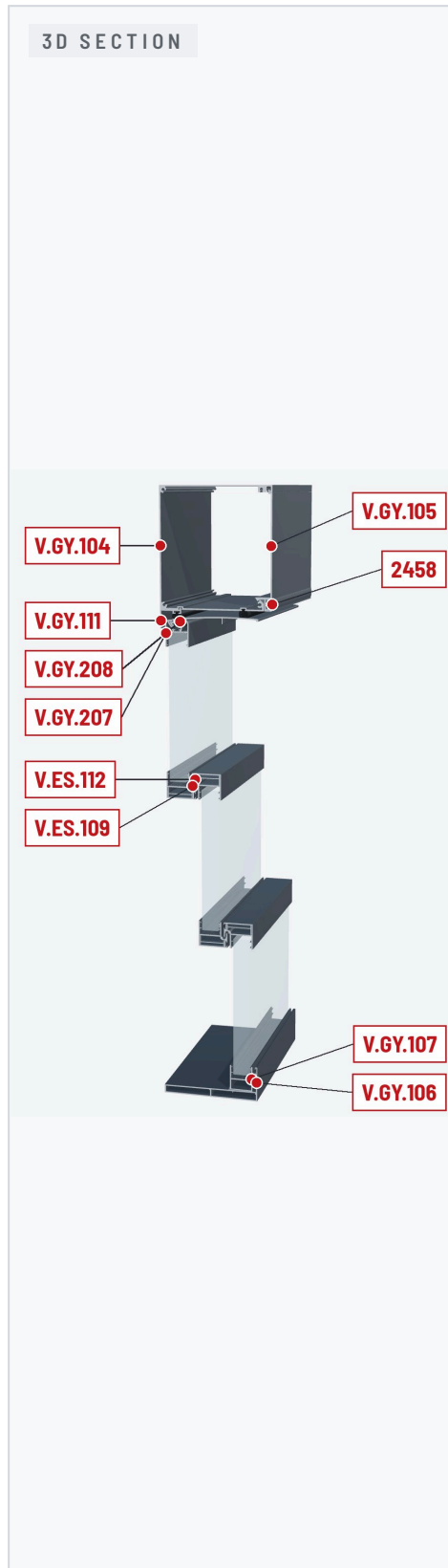
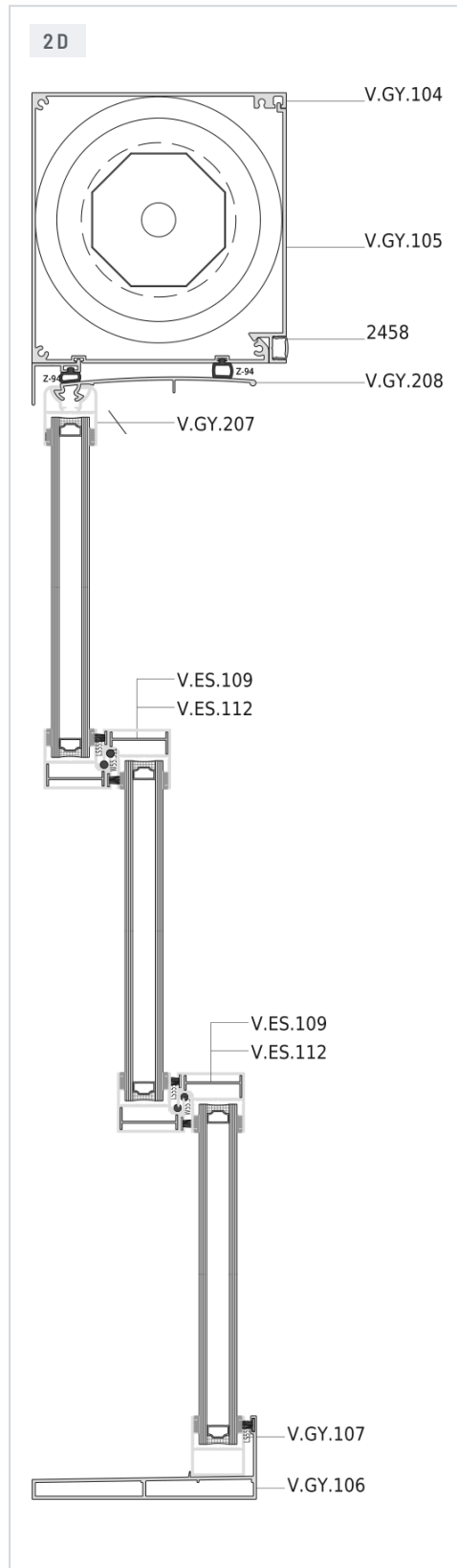


DETAIL 1

Vertical section, panels closed

Section through the whole height

Raised, the three panels close the opening from sill to motor box. V.ES.109 interlock rails link the panels; the cap of the outer panel closes against the Z-94 gasket under the box.



IN THIS DETAIL

	V.GY.104 Motor box
	V.GY.105 Box cover
	2458 Trim channel
	V.GY.111 Drip profile
	V.GY.208 Top cap
	V.GY.207 Top rail
	V.ES.109 Interlock rail
	V.ES.112 Interlock insert
	V.GY.107 Bottom rail
	V.GY.106 Sill
	Z-94 EPDM motor box gasket

Left: section with the moving cap V.GY.208 on V.GY.207; the standard fixed cap V.GY.108 is shown in details 3 and 5. Right: 3D slice across the width (panel heights shortened).



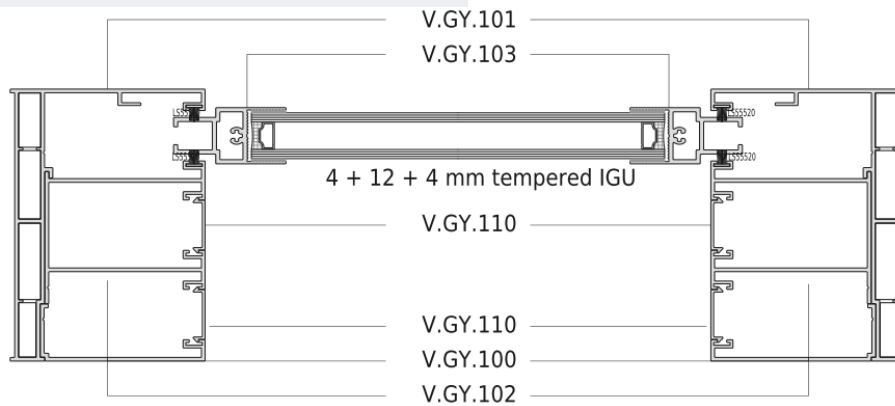
DETAIL 2

Horizontal sections

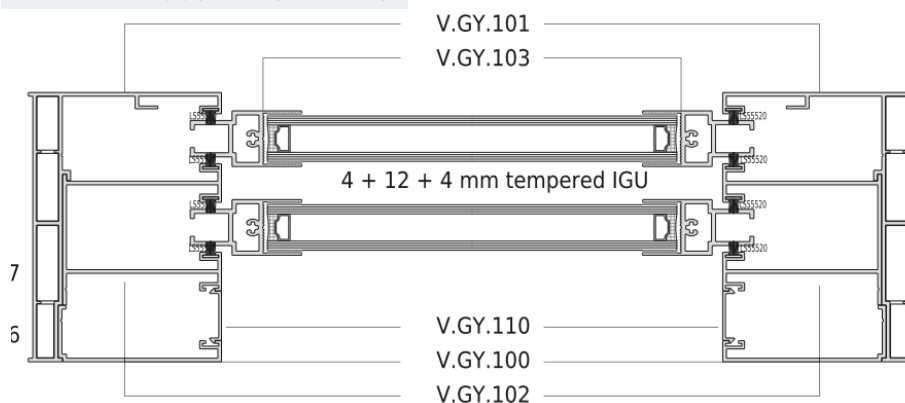
Jamb, tracks and panel edges

In each jamb V.GY.101, V.GY.102 and V.GY.100 form the three tracks. Where a track has no panel, a V.GY.110 cover closes it; brush seals line the panel stiles on both sides.

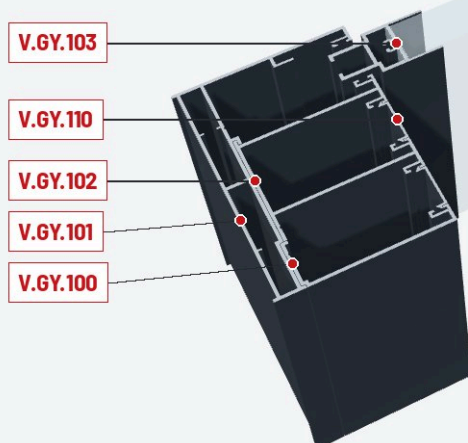
2D · A · THROUGH THE OUTER PANEL



2D · B · THROUGH TWO PANELS



3D SECTION · A



IN THIS DETAIL

	V.GY.101 Frame jamb
	V.GY.102 Middle jamb
	V.GY.100 End jamb
	V.GY.110 Side cover
	V.GY.103 Sash stile
	LS55520 Brush seal, 7 mm

3D slice across the jamb through the outer panel, with the middle and inner tracks covered.

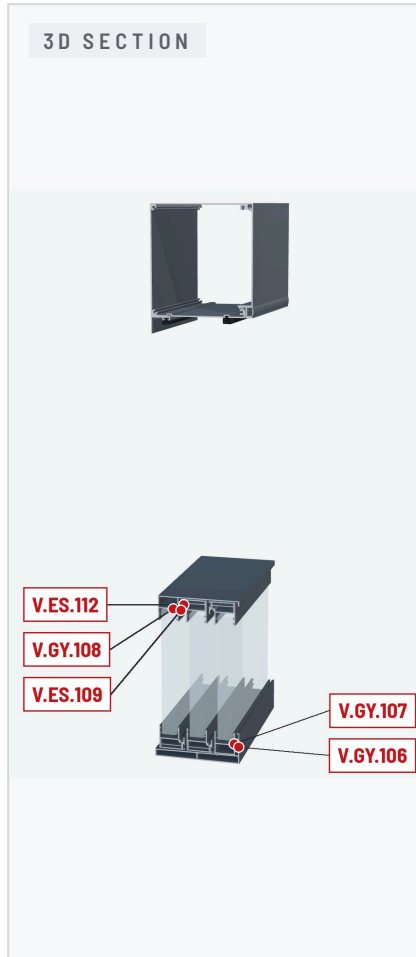
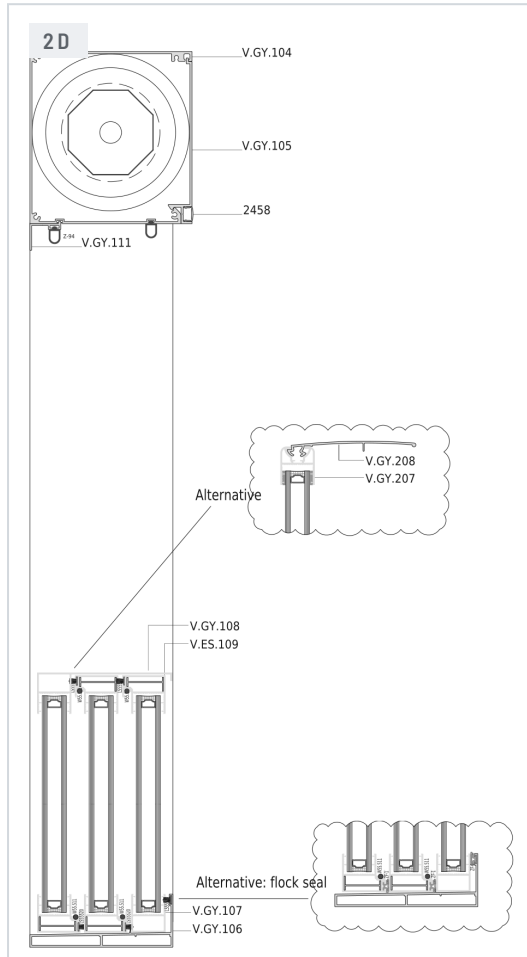


DETAIL 3

Panels lowered

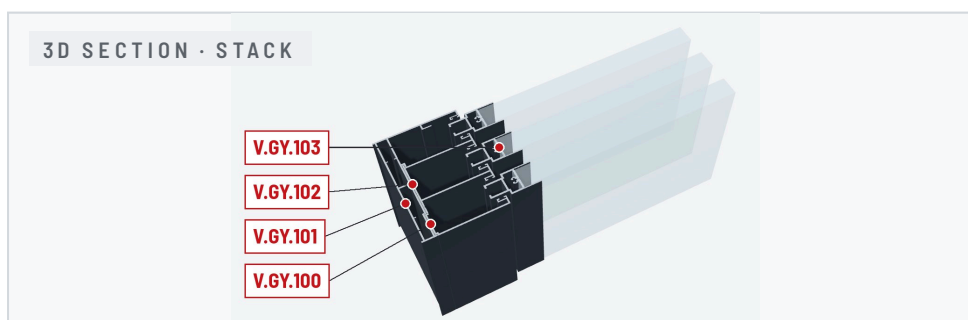
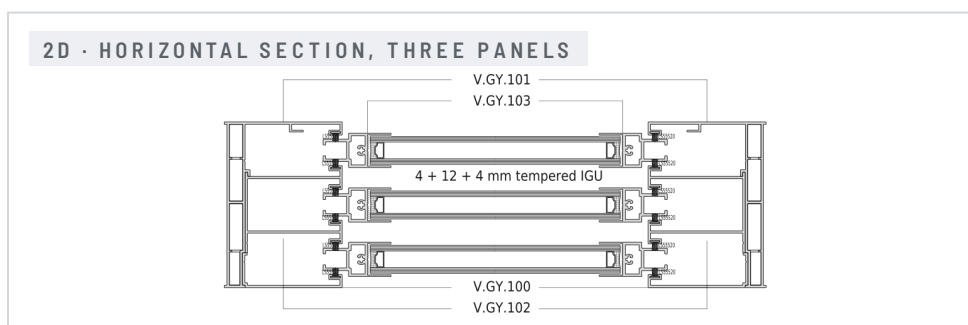
Sections with the panels stacked

Lowered, the outer and middle panels stand in front of the fixed inner panel. The V.GY.108 cap spans the three panels and forms the handrail; brush or flock seals close the gaps between the rails.



IN THIS DETAIL

	V.GY.108 Fixed cap
	V.ES.109 Interlock rail
	V.ES.112 Interlock insert
	V.GY.107 Bottom rail
	V.GY.106 Sill
	V.GY.101 Frame jamb
	V.GY.102 Middle jamb
	V.GY.100 End jamb
	V.GY.103 Sash stile
	LS55520 Brush seal, 7 mm
	ZF-1 Flock seal



Panels lowered to balustrade height. The moving cap V.GY.208 on V.GY.207 can replace V.GY.108; flock seal ZF-1 can replace the brush seal LS55520.

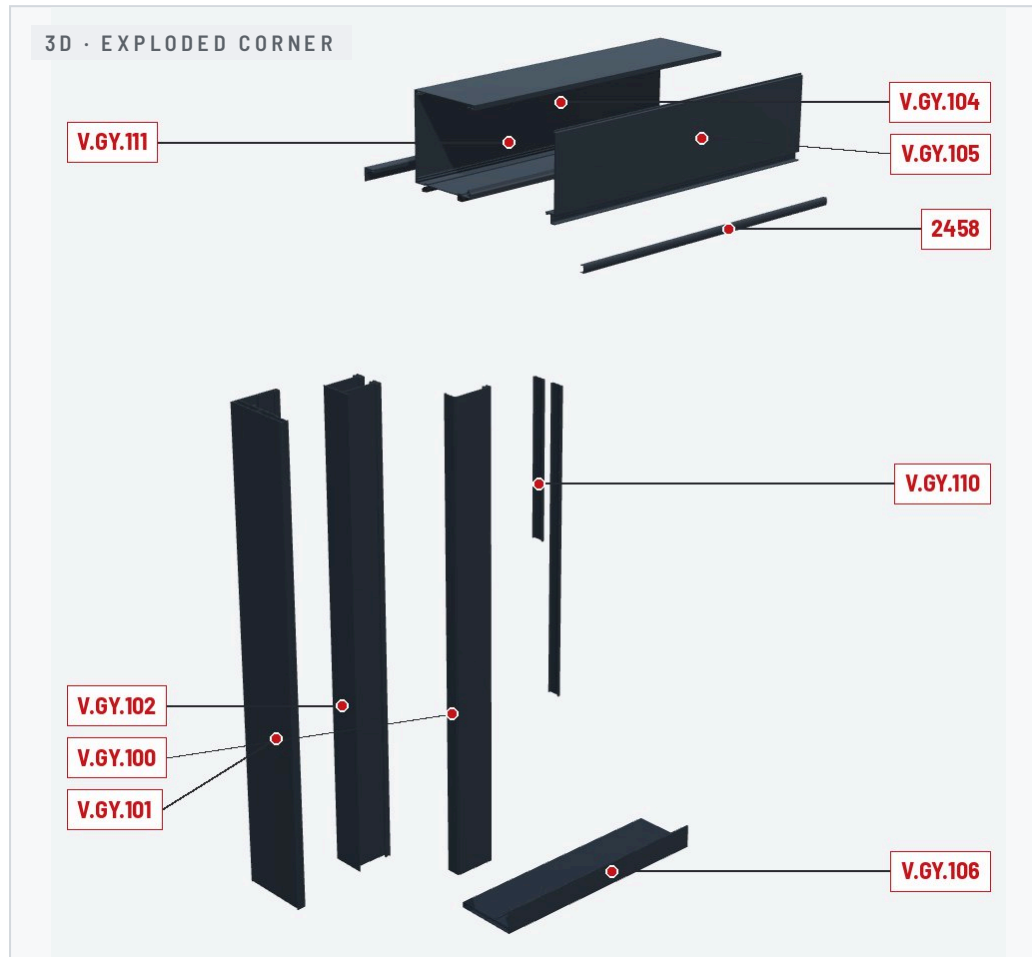


DETAIL 4

Frame and motor box

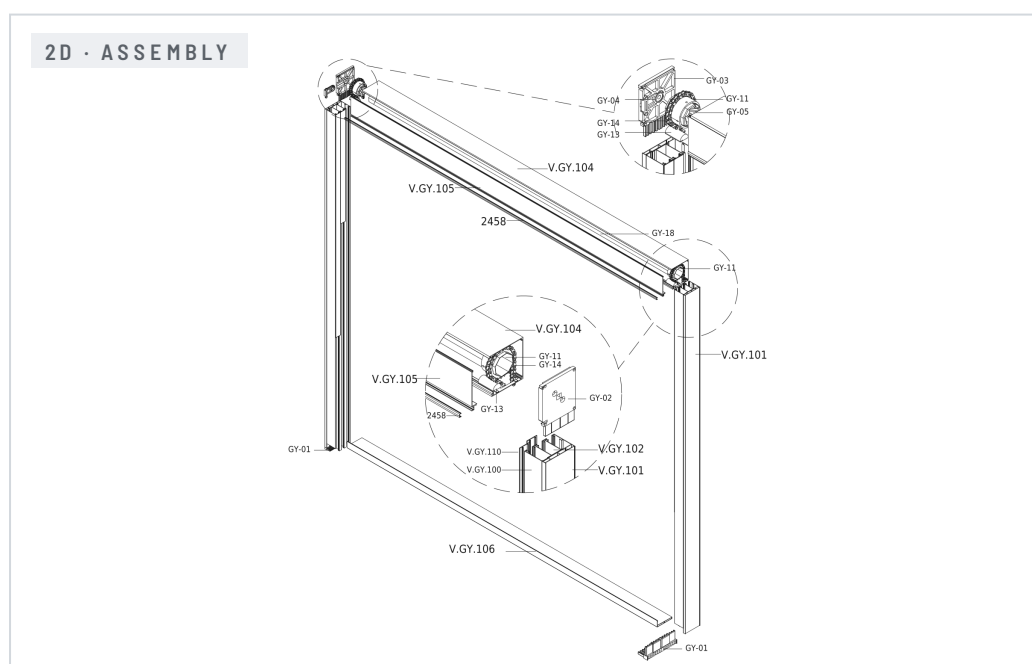
Assembly of the fixed frame

The V.GY.104 motor box sits on the two jambs; the GY-02 and GY-03 end caps close it and carry the GY-18 tube. The sill joins the jambs with GY-01 corner blocks.



IN THIS DETAIL

	V.GY.101 Frame jamb
	V.GY.102 Middle jamb
	V.GY.100 End jamb
	V.GY.106 Sill
	V.GY.104 Motor box
	V.GY.105 Box cover
	2458 Trim channel
	V.GY.111 Drip profile
	V.GY.110 Side cover
	GY-01 Frame corner block, PVC
	GY-02 Motor-side end cap, PVC
	GY-03 Idle-side end cap, PVC
	GY-04 Bearing housing
	GY-18 Motor tube



Exploded 3D view of the left corner of the frame; the 2D drawing shows the drive end enlarged.

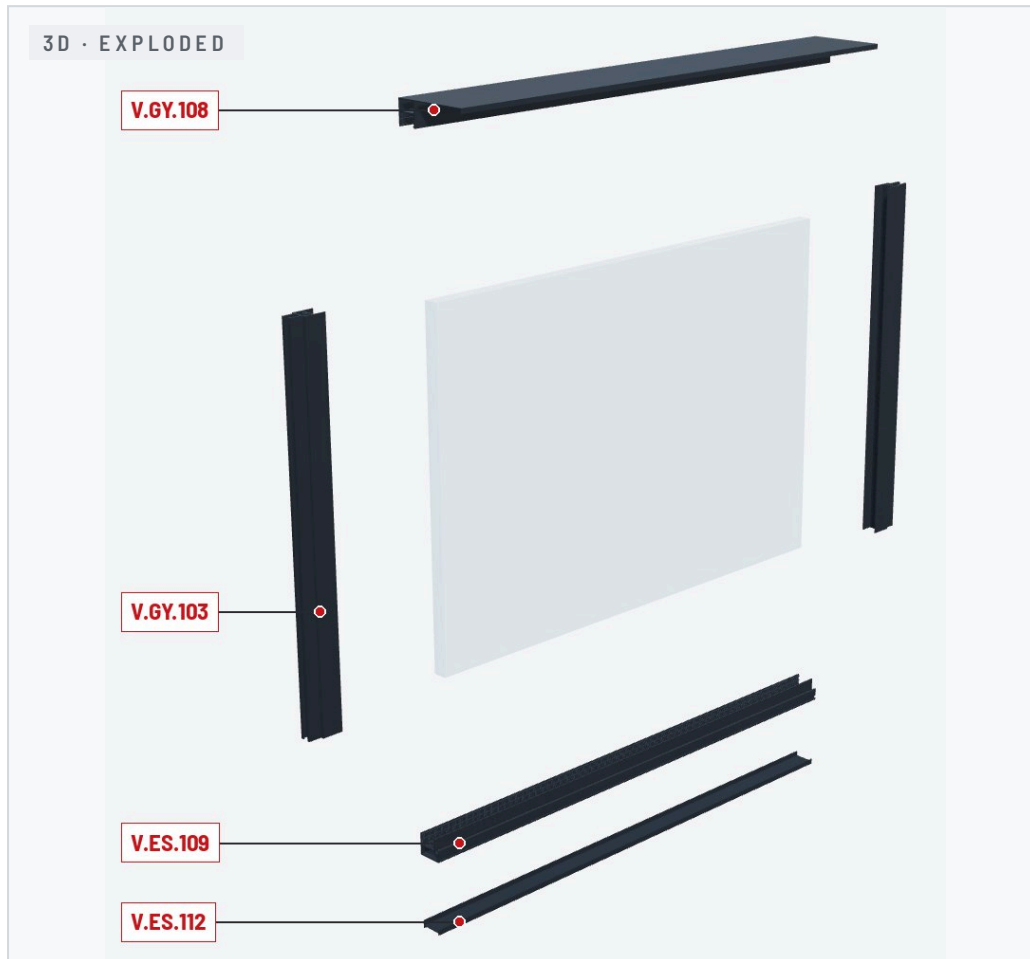


DETAIL 5

Outer panel

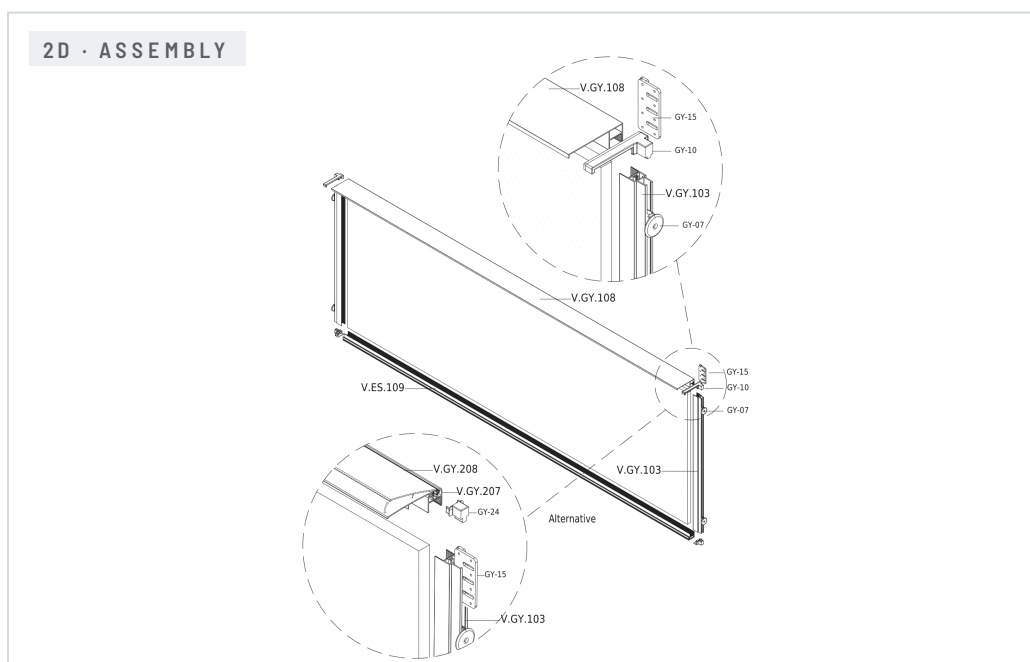
Assembly of the outer, top panel

The outer panel carries the V.GY.108 fixed cap at the top and the V.ES.109 interlock rail at the bottom. The GY-15 holders connect it to the chain or belt.



IN THIS DETAIL

	V.GY.108 Fixed cap
	V.ES.109 Interlock rail
	V.ES.112 Interlock insert
	V.GY.103 Sash stile
	V.ES.115 Bead 8 mm
	V.ES.116 Bead 8 mm
	GY-15 Chain and belt holder
	GY-07 Centring block, PVC
	GY-08 Interlock rail end cap, PVC
	GY-10 Handrail cap end cap, PVC
	V.GY.207 Top rail
	V.GY.208 Top cap
	GY-24 Top rail block



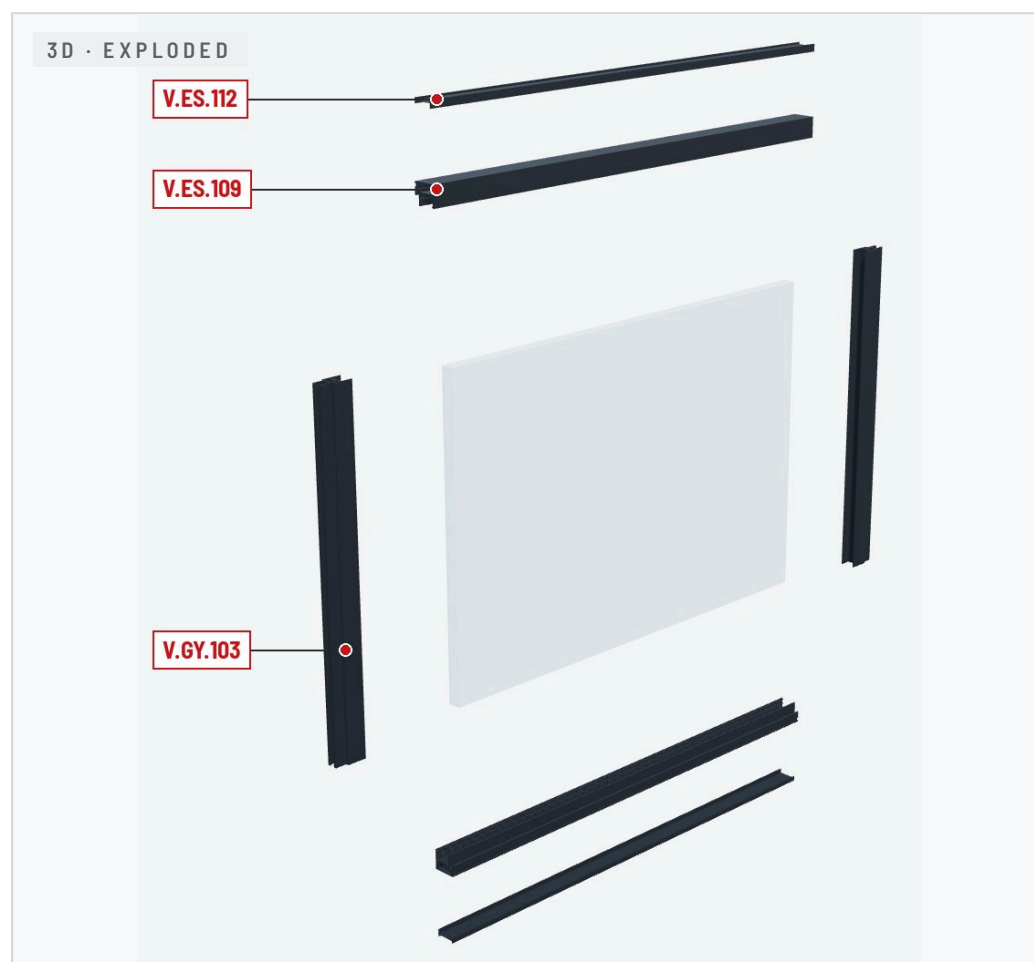
Exploded 3D view of the outer panel; the 2D drawing shows both corners, with the moving cap as the alternative.

DETAIL 6

Middle panel

Assembly of the middle panel

The middle panel has a V.E.S.109 interlock rail at the top and at the bottom. GY-07 centring blocks guide it in its track; GY-08 end caps close the rails.



IN THIS DETAIL



V.ES.109

Interlock rail



V.ES.112

Interlock insert



V.GY.103

Sash stile



V.ES.115

Bead 8 mm



V.ES.116

Bead 8 mm



GY-07

Centring block,
PVC



GY-08

Interlock rail
end cap, PVC



LS55520

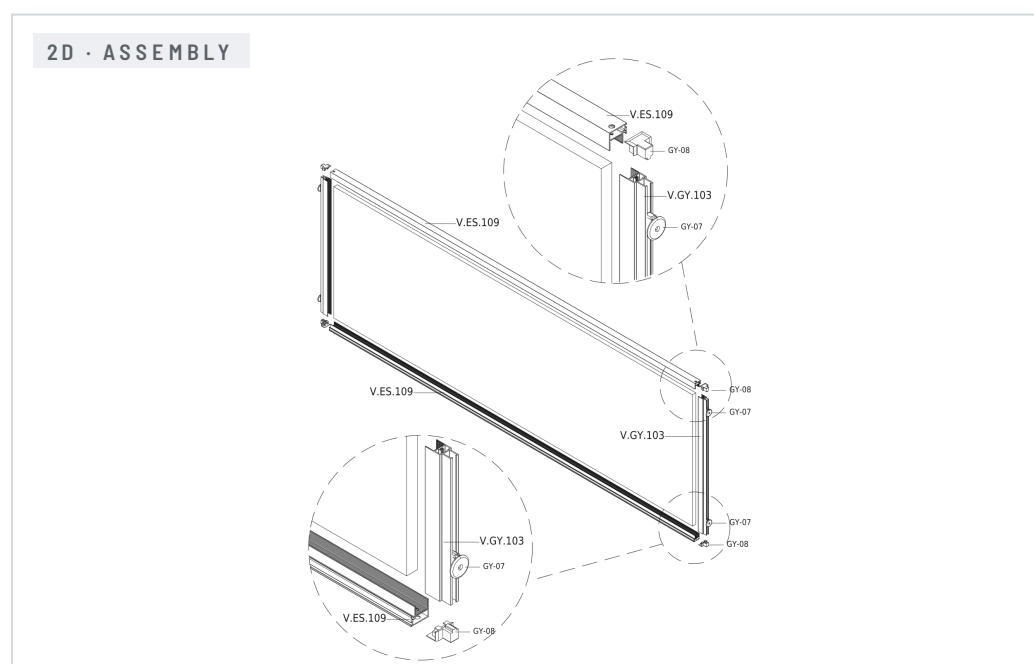
Brush seal, 7 mm



W55.511

EPDM interlock
cord, Ø4

Exploded 3D view of the middle panel; the 2D drawing shows both corners with their accessories.





DETAIL 7

Inner fixed panel

Assembly of the inner, bottom panel

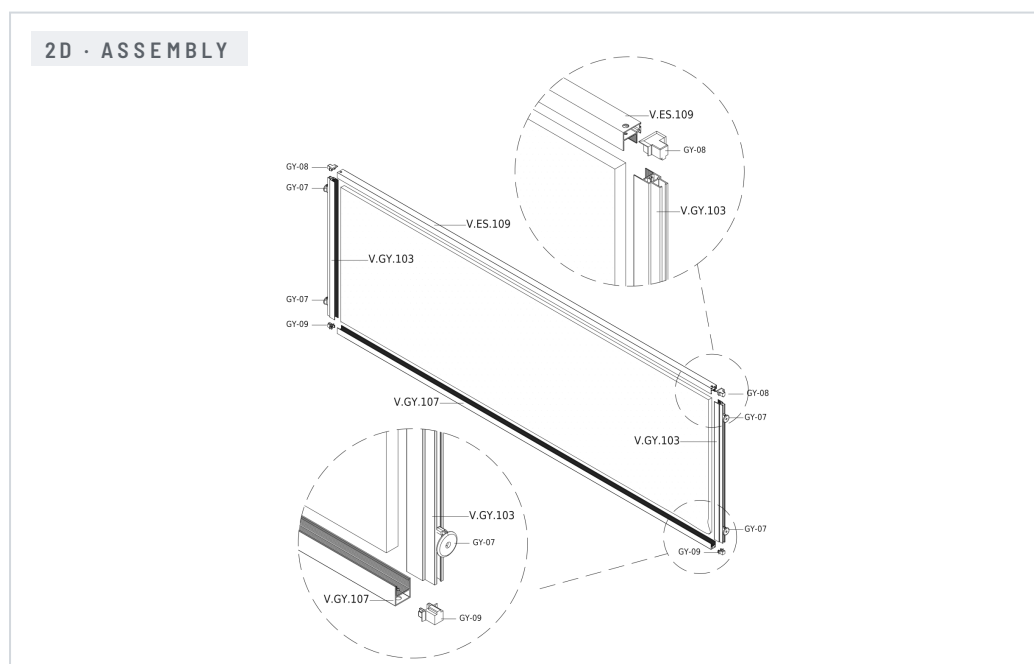
The inner panel stands on the sill and does not move. It has the V.ES.109 interlock rail at the top and the V.GY.107 bottom rail, closed by GY-09 end caps.



IN THIS DETAIL

	V.ES.109 Interlock rail
	V.ES.112 Interlock insert
	V.GY.107 Bottom rail
	V.GY.103 Sash stile
	V.ES.115 Bead 8 mm
	V.ES.116 Bead 8 mm
	GY-07 Centring block, PVC
	GY-08 Interlock rail end cap, PVC
	GY-09 Bottom rail end cap, PVC
	LS55520 Brush seal, 7 mm

Exploded 3D view of the fixed panel; the 2D drawing shows both corners with their accessories.





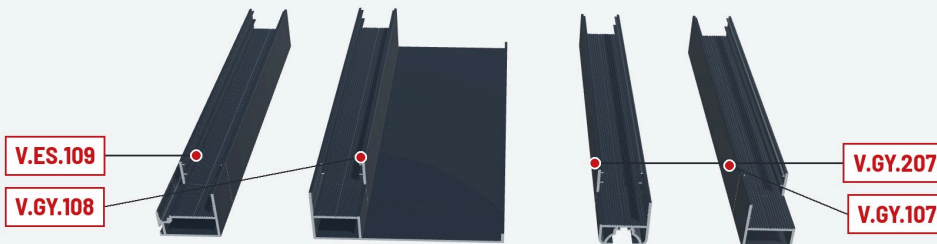
DETAIL 8

Machining the panel rails

End preparation for the panel joints

Rail ends are notched for the panel joints and drilled $\varnothing 5$ mm and $\varnothing 9$ mm, 9.1 mm from the ends. Notch and hole positions are given on each drawing.

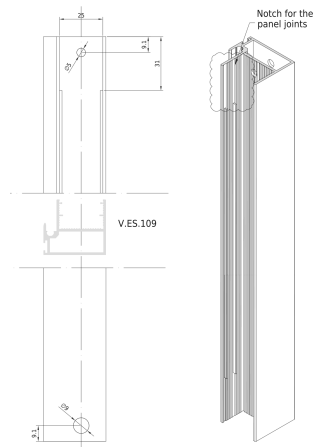
3D - NOTCHED RAIL ENDS



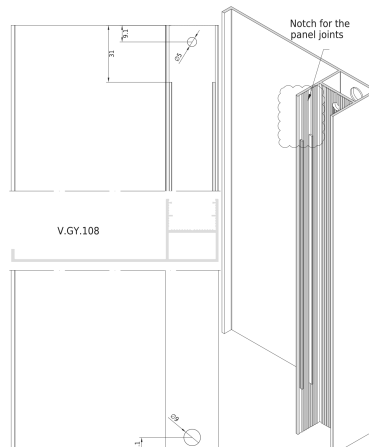
IN THIS DETAIL

	V.ES.109 Interlock rail
	V.GY.108 Fixed cap
	V.GY.207 Top rail
	V.GY.107 Bottom rail
	V.GY.103 Sash stile

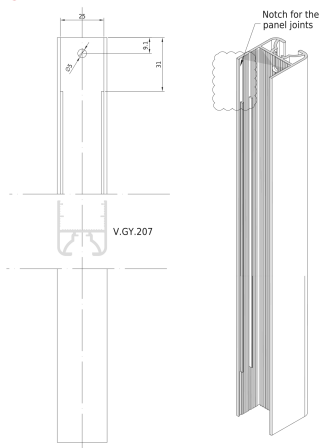
V.ES.109



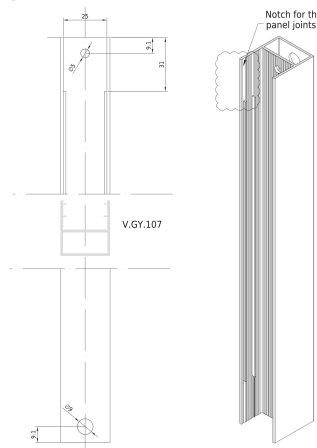
V.GY.108



V.GY.207



V.GY.107



The channel walls are cut back 31 mm at each rail end so the rail fits over the stile.



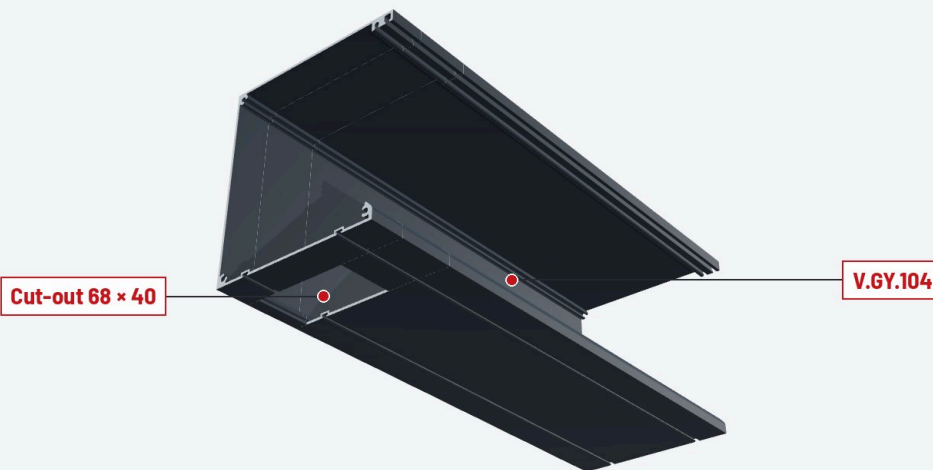
DETAIL 9

Motor box and punching tool

Cut-out and press positions

The V.GY.104 motor box is cut out 68 × 40 mm near each end for the chain or belt. A four-station punching tool prepares the motor box and the panel rails.

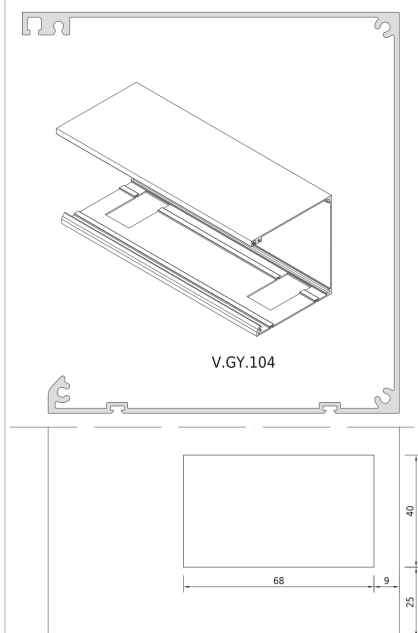
3D · MOTOR BOX FROM BELOW



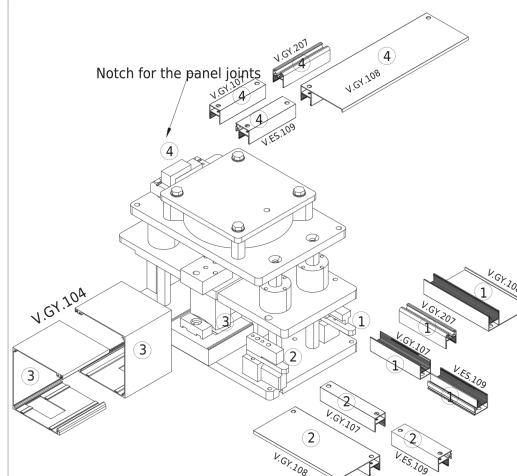
IN THIS DETAIL

	V.GY.104 Motor box
	V.ES.109 Interlock rail
	V.GY.108 Fixed cap
	V.GY.207 Top rail
	V.GY.107 Bottom rail

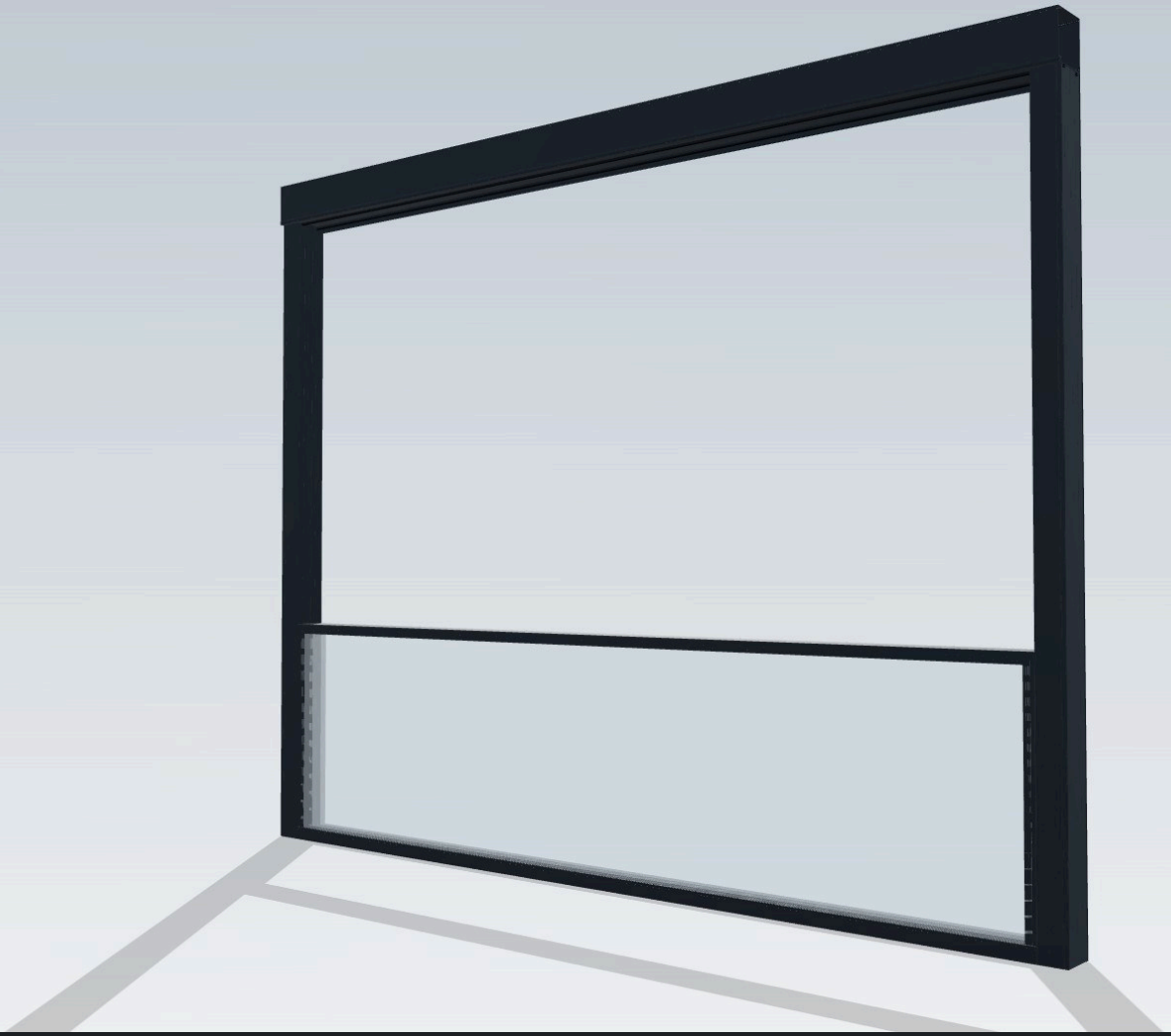
2D · V.GY.104



PUNCHING TOOL



Circled numbers show the tool station for each part: the panel rails at 1, 2 and 4, the V.GY.104 motor box at 3.



CLASSIC GUILLOTINE

Motorised guillotine glass system

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