

40/10 PM

Automatic horizontal sliding car door



Door configuration

LIFT APPLICATION

Door cycles per year:	Up to 800.000.
Traffic peak of the door:	Up to 240 cycles per hour.
Traffic lift speed:	Up to 3 m/s.

APPLICATION RANGE

	Clear opening - PL (mm)		Clear height - HL (mm)	
Opening	Steel panels	Glass panels	Steel panels	Glass panels
C2	600 - 1.400	600 - 1.000	2.000 - 2.400	2.000 - 2.100
C4	700 - 1.400	700 - 1.000		
T2 RLO	700 - 1.200	700 - 1.000		
T2 - T3	600 - 1.400	600 - 1.000		
T4	See the 4010 PM OCR Technical Data Sheet.			

PANELS

Opening	Steel panels					Glass panels			
	Sheet metal	Double skin	Vision	Fritted vision	Wien type vision	Bevel big vision	Flush big vision	Full glass in skirting	Full glass in moorings
									
C2 - C4 - T2 - T3	✓	✓	✓ ⁽²⁾	✓	✓	✓ ⁽³⁾	✓	✓	✗

² Option 1: only in fast for side opening doors and in closing panels for centre parting doors.
Option 2: All panels of the door both side opening and centre parting doors.

³ Not available for T2 70 mm sill.

SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✓
Heated sill option	✓	✓ ⁽⁴⁾	✓	✗	✗
Dust holes	✓	✓	✓	✗	✓
Sill support	✓	✓	✓	✗	✓

⁴ Not available for C2.

☒ Available⁽¹⁾.
 ☐ Not available.
 ☐ Ask the commercial department.

¹ Some option combinations may not be possible.

Door configuration

STANDARDS

Opening	EN 81-20/50 Safety rules	EN 81-1/2 Safety rules	EN 81-21 Existing buildings	EN 81-41 Impaired mobility	EN 81-71 ⁽⁵⁾ Vandal resistance lifts		EN 81-72 Firefighters lifts
					Cat. I	Cat. II	
C2 - C4 - T2 - T3	✓	✓	✓	✓	✓	✗	✓

⁵ Not available for T2 70 mm sill.

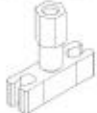
PROTECTION

Opening	IP20 Protection against a solid foreign body of 12,5 mm or more in diameter.	IPX3 Protected against sprays of water up to 60 degrees from the vertical.	IP54 Protection against dust and protected against water splashed from all directions.		IP65 Sealed against dust and protected against jets of water from all directions.	EEx Explosion proof, Group II (surface industries) and Category 2 (explosive atmosphere between 10 and 1.000 hrs/yr).
			Magnetic contact	Mechanical contact		
C2 - C4 - T2 - T3	✓	✗	✗	✓	✗	✗

SAFETY DEVICES

Opening	Photocell	Photoelectric barrier		Safety edge	Emergency power supply		
		Static	Dynamic		VF5+	VF6	VF7
C2 - C4 - T2 - T3	✓	✓	✓	✗	✓	✗	✓

PANEL REGULATION SUPPORT AND PANEL GUIDE

Type of panel regulation support	Plus		
Type of panel guide	Plus	EN 81-1/2	EN 81-20/50
			

CAMS

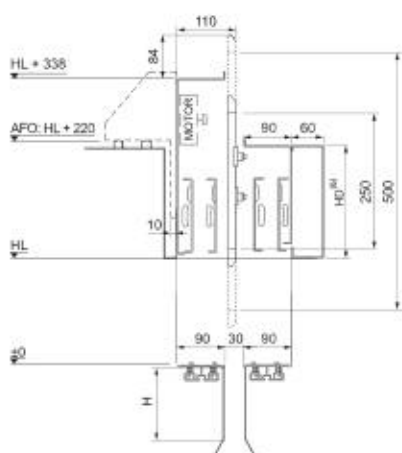
Compatibility	Semiautomatic hinged landing door: Aluminium - Glass, Global, Fermator, B+				
Type of cam	Frontal retractable	Lateral retractable	Inverted retractable	Flexible fixed	Fixed
Cam detail					

☒ Available⁽¹⁾
☐ Not available.
 ☐ Ask the commercial department.

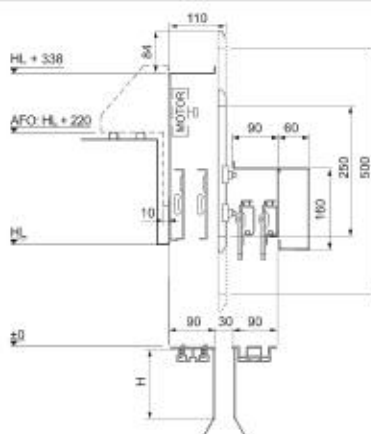
¹ Some option combinations may not be possible.

Door configuration

COMPATIBILITY



Case	40/10 landing door	
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch
Unlocking zone	+98 / -152	+228 / -273
Toe guard type	Big	
H	750	
Thickness	1,5	
Range	All	
See 40/10 technical data sheet for more information. T2 opening shown. If not otherwise indicated all dimensions in mm.		

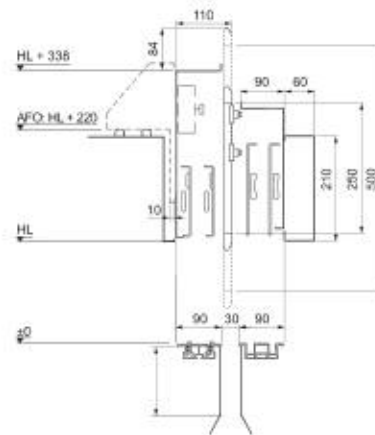


Case	Compact landing door	
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch
Unlocking zone	+64 / -186	+194 / -307
Toe guard type	Big	
H	750	
Thickness	1,5	
Range	All	
See 40/10 technical data sheet for more information. T2 opening shown. If not otherwise indicated all dimensions in mm.		

☒ Available⁽¹⁾. ☐ Not available. ☐ Ask the commercial department.

¹ Some option combinations may not be possible.

Door configuration



Case	50/11 MEGA landing door	
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch
Unlocking zone	+148 / -102	+278 / -223
Toe guard type	Big	
H	750	
Thickness	1,5	
Range	All	
See 40/10 technical data sheet for more information. T2 opening shown. If not otherwise indicated all dimensions in mm.		

☒ Available⁽¹⁾
☐ Not available.
 ☐ Ask the commercial department.

¹ Some option combinations may not be possible.

Technical features



T2 operator

DRIVE



Type	Synchronous brushless permanent magnets motor.		
Efficiency	80%.		
Consumptions	Standby 4 W / Average per cycle 20 W.		
Transmission	Gearless ⁽⁶⁾ .	C2, T2, T3 PL 600 - 1.400 mm.	HTD 5M belt.
		C4 PL 700 - 2.400 mm.	

⁶ Geared antibanging system available.

ELECTRONIC MODULE

Type	VF6 CAN.	VF7+ Relay, VF7+ CAN and DC+ CAN.
Adjustable parameters via	PC / Console.	PC / Display.
Working signals available	From 12 V to 60 V DC / 100 to 230 V AC or with BUS CAN (VF6 and VF7+ CAN).	
Opening speed	Up to 1 m/s (Regulable).	
Closing speed	Up to 0,6 m/s (Regulable).	
Re-opening	Integrated with auto-adjustable cycles.	

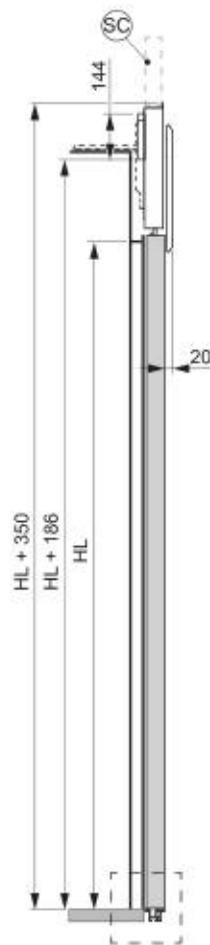
GENERAL FEATURES

Noise level	< 50 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm, with sheet metal panels - 62 kg.
Maximum moving mass	360 kg.
Locking device	Car door lock.

INSTALLATION

Pre-adjusted and tested to simplify the installation.
Frontal concept, all parts within the sill projection, allows fixing directly to the front or by regulable range of brackets.

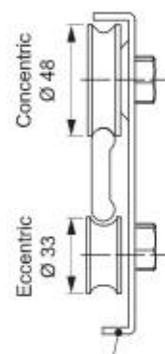
54 mm sill



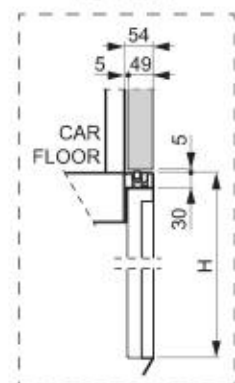
The image displays six technical drawings of brackets, arranged in two rows of three. Each drawing includes dimensions and labels for its type.

- STATIC ST BRACKET:** Dimensions include a top width of 183, a height of $HL + 42.5 \pm 2.5$, and a base width of ≥ 25 .
- STATIC SD BRACKET:** Dimensions include a top width of 200, a height of $HL + 113 \pm 12$, and a base width of ≥ 25 .
- STATIC SV BRACKET:** Dimensions include a top width of 250, a height of $HL + 83 \pm 17$, and a base width of ≥ 25 .
- STATIC EF BRACKET:** Dimensions include a top width of 250, a height of $HL + 220^{+15}_{-44}$, and a base width of ≥ 25 .
- ADJUSTABLE ER BRACKET:** Dimensions include a top width of 232, a height of $HL + 215^{+40}_{-40}$, and a base width of ≥ 25 .
- ADJUSTABLE EG BRACKET:** Dimensions include a top width of 232, a height of $HL + 385^{+82}_{-83}$, and a base width of ≥ 25 .

SILL DETAIL



THICKNESS
PL ≤ 700 = 3
PL ≥ 750 = 2,5

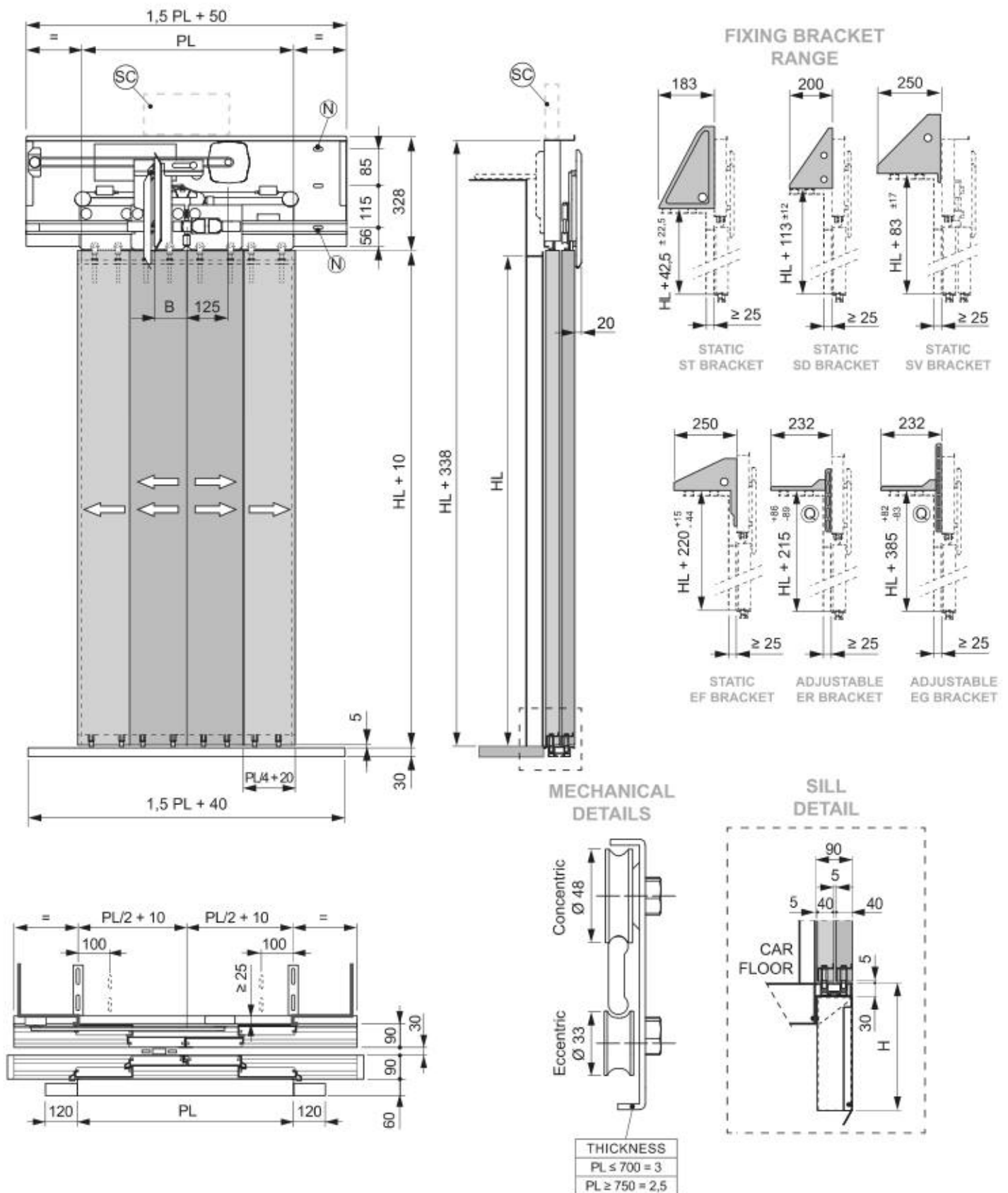


40/10 PM

Technical drawing

4 panel centre parting door

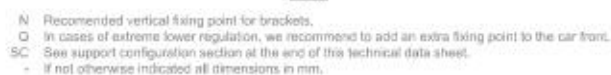
90 mm sill
Single coupling system (PL 700 - 1.150)



Notes

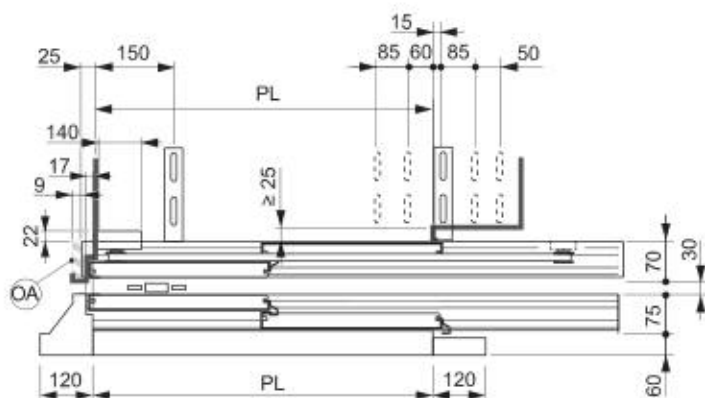
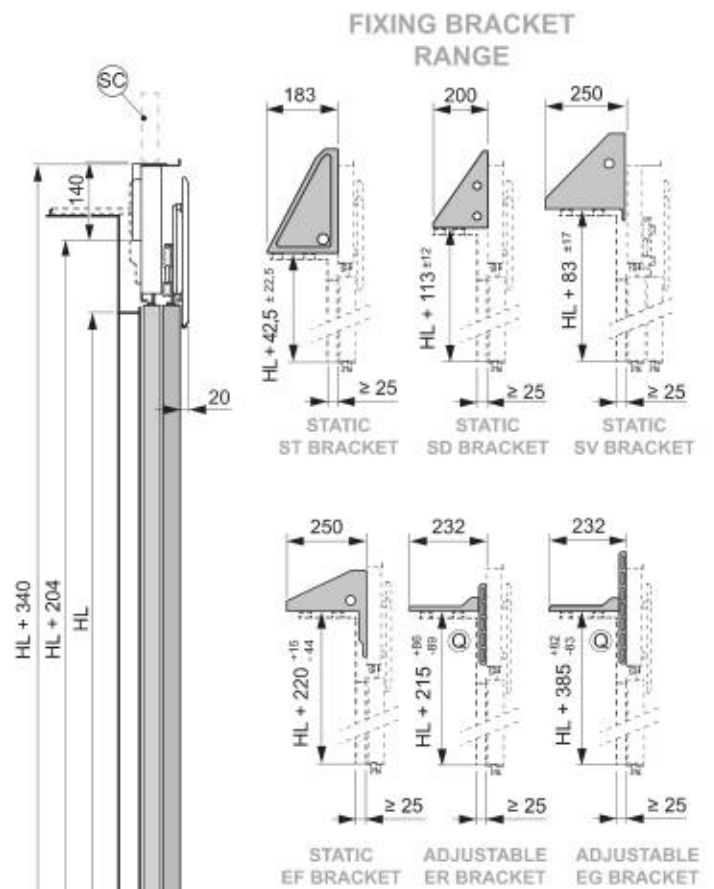
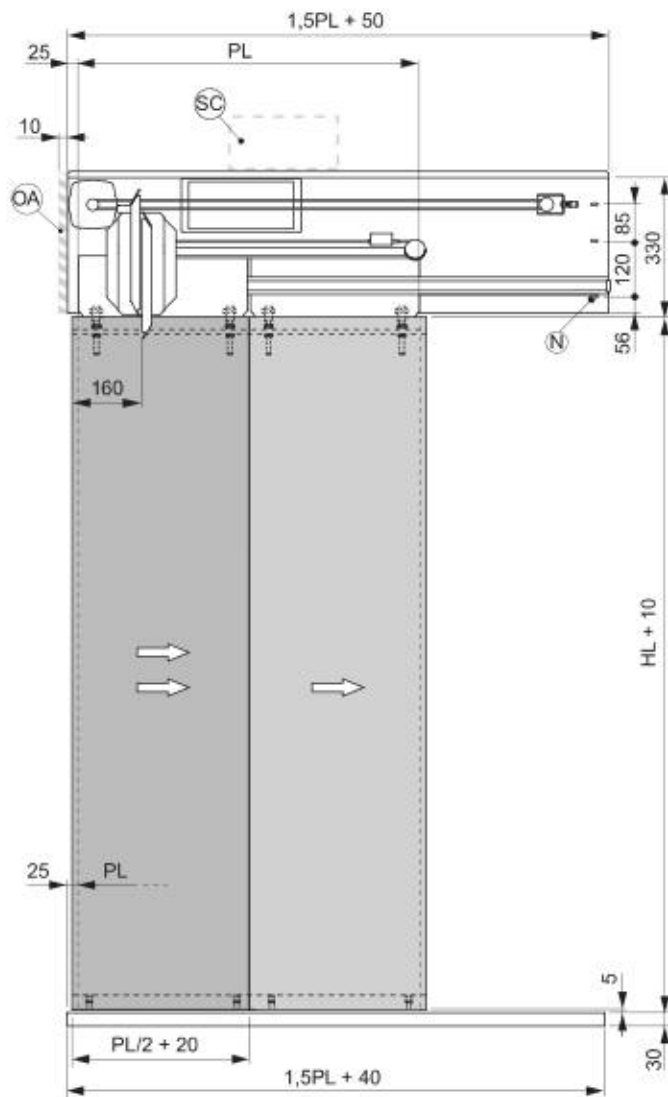
- N Recommended vertical fixing point for brackets.
- B For PL ≤ 900 = 100. For PL ≥ 950 = 160.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- SC See support configuration section at the end of this technical data sheet.
- If not otherwise indicated all dimensions in mm.

90 mm sill
Double coupling system (PL 1.200 - 1.400)

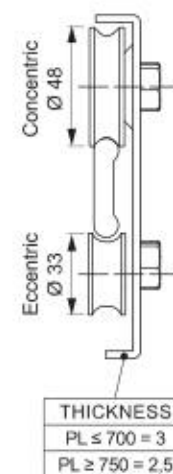


Technical drawing 2 panel side opening door

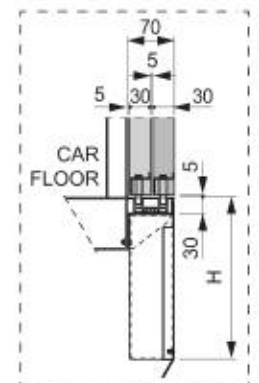
70 mm sill



MECHANICAL DETAILS



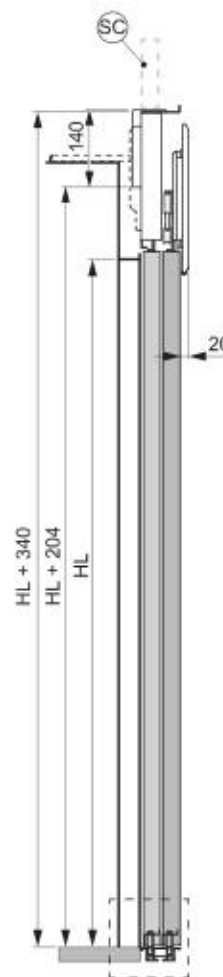
SILL DETAIL



Notes:

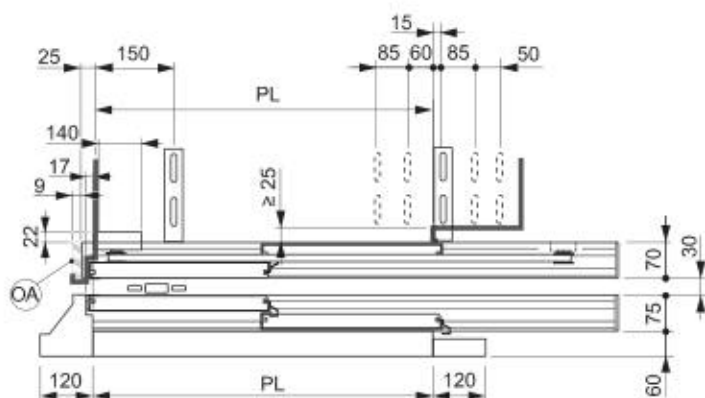
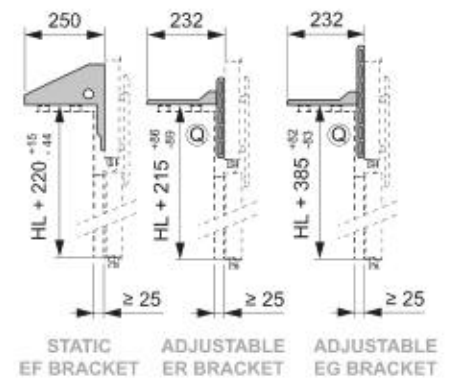
- N Recommended vertical fixing point for brackets.
- O In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- SC See support configuration section at the end of this technical data sheet.
- If not otherwise indicated all dimensions in mm.
- OA Operator hardware area.

70 mm sill - RLO

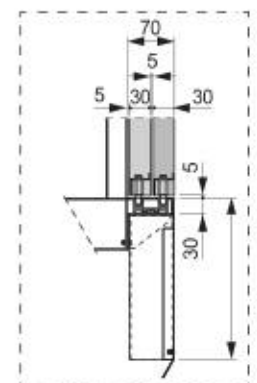
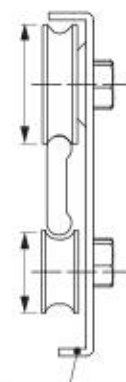


Technical drawings of three static brackets:

- STATIC ST BRACKET:** Width 183, Height $HL + 42.5 \pm 22.5$, Mounting hole diameter $\varnothing 12$, Minimum clearance ≥ 25 .
- STATIC SD BRACKET:** Width 200, Height $HL + 113 \pm 12$, Mounting hole diameter $\varnothing 12$, Minimum clearance ≥ 25 .
- STATIC SV BRACKET:** Width 250, Height $HL + 83 \pm 17$, Mounting hole diameter $\varnothing 12$, Minimum clearance ≥ 25 .



SILL DETAIL

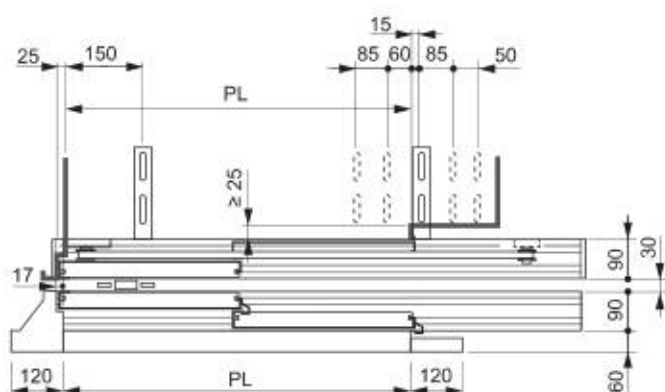
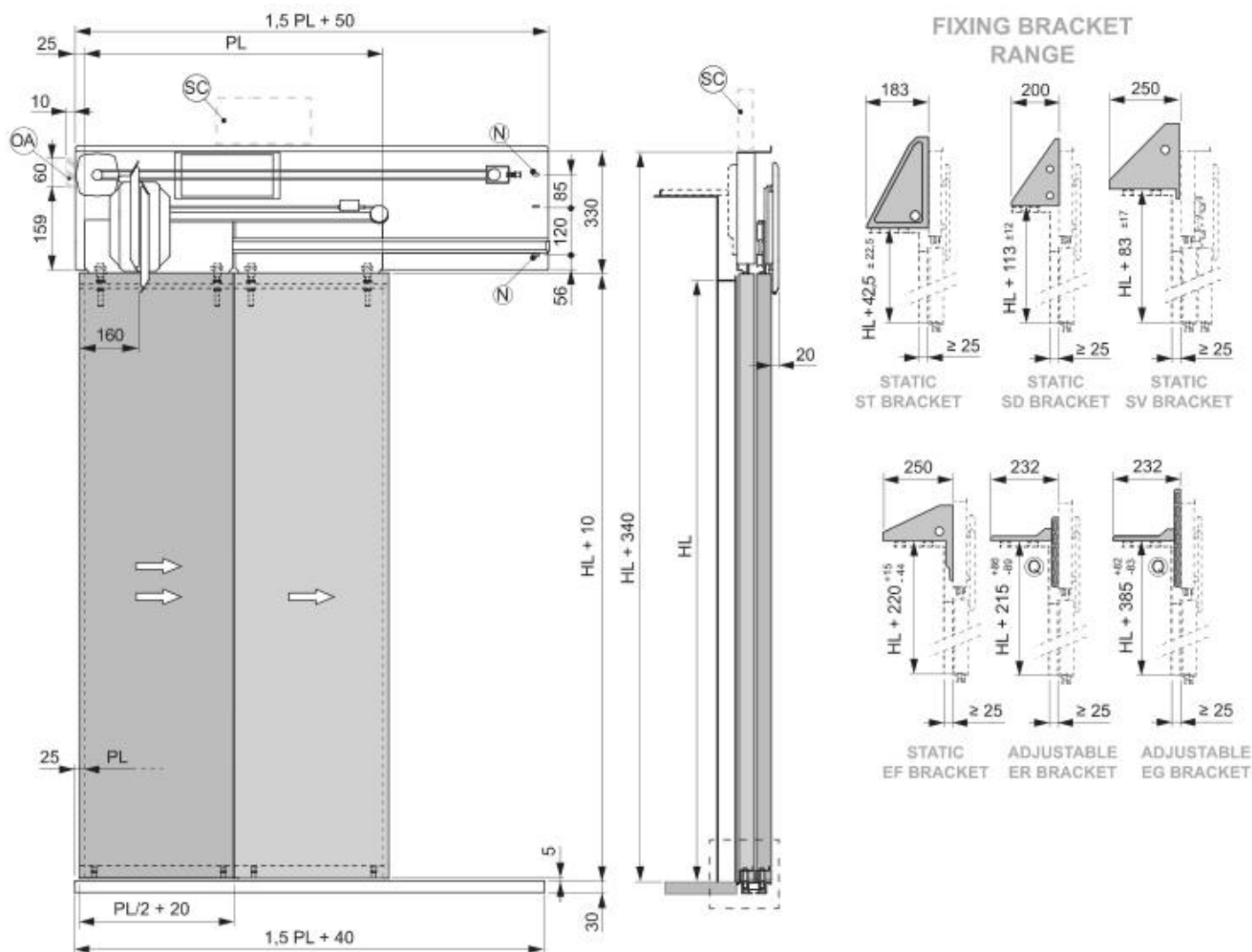


THICKNESS
$PL \leq 700 = 3$
$PL \geq 750 = 2,5$

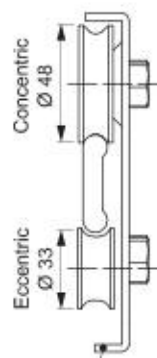
N Recommended vertical fixing point for brackets.
 Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
 SC See support configuration section at the end of this technical data sheet.
 - If not otherwise indicated all dimensions in mm.
 OA Operator hardware area.

Technical drawing 2 panel side opening door

90 mm sill

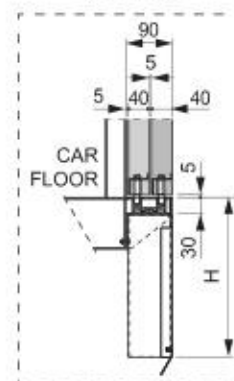


MECHANICAL DETAILS



THICKNESS
PL ≤ 700 = 3
PL ≥ 750 = 2,5

SILL DETAIL

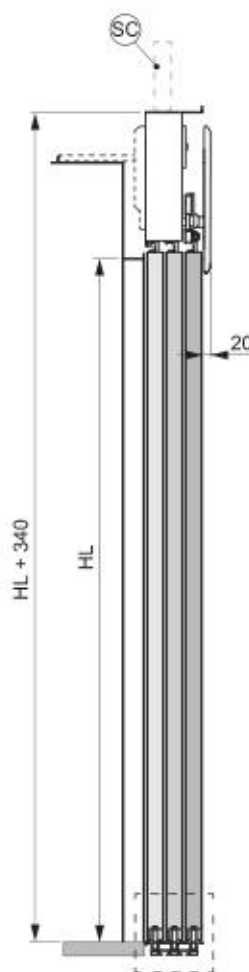
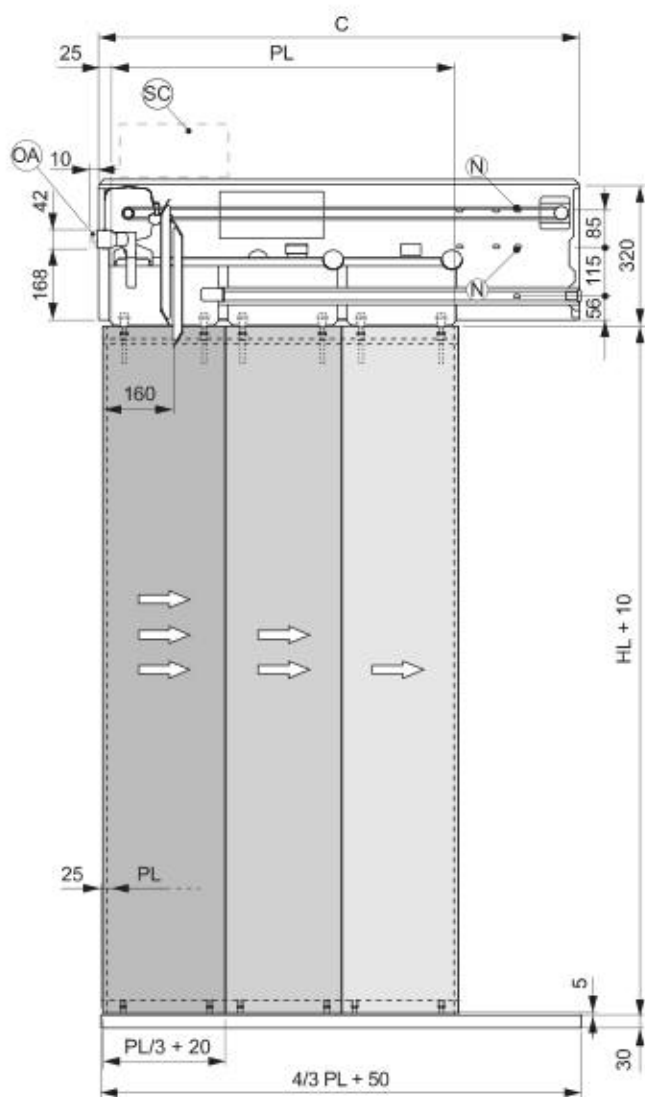


Notes:

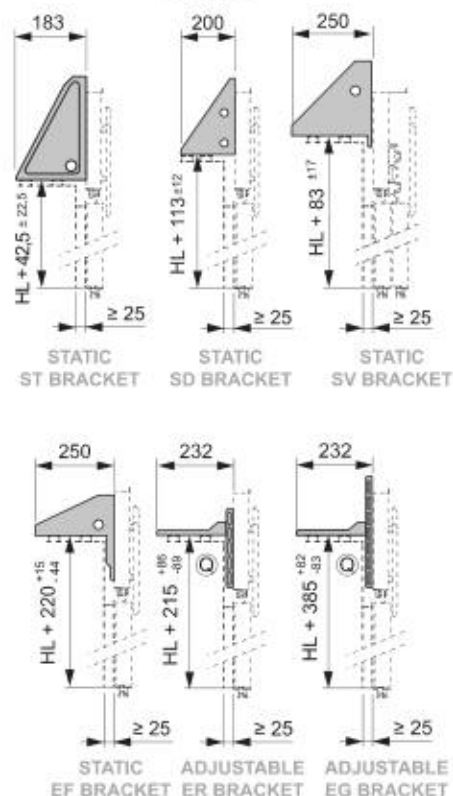
- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- SC See support configuration section at the end of this technical data sheet.
- If not otherwise indicated all dimensions in mm.
- OA Operator hardware area.

Technical drawing 3 panel side opening door

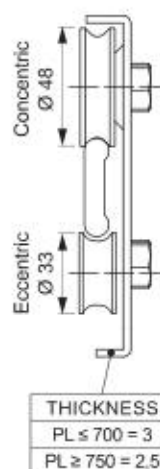
135 mm sill



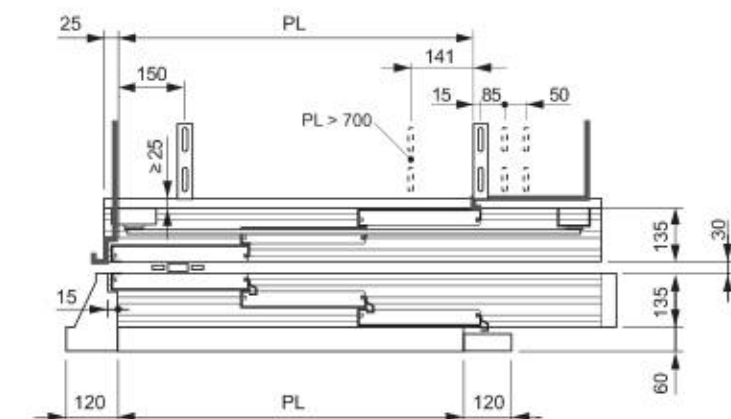
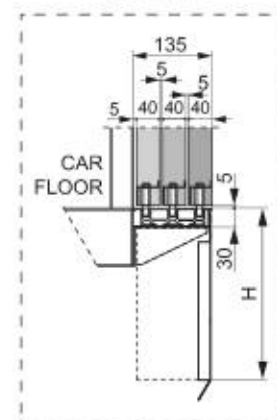
FIXING BRACKET RANGE



MECHANICAL DETAILS



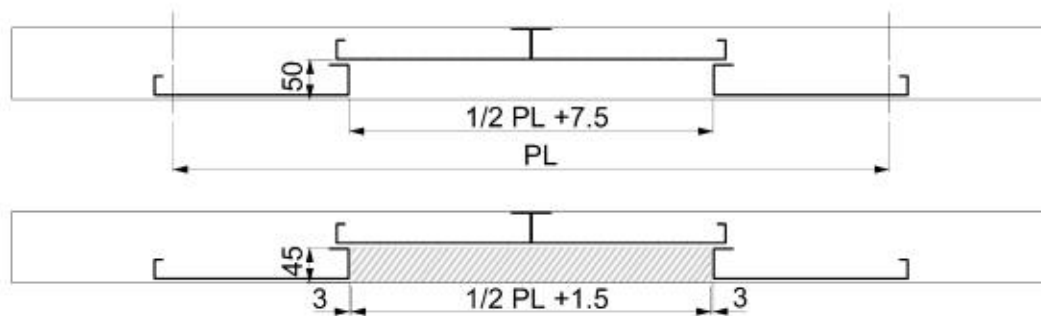
SILL DETAIL



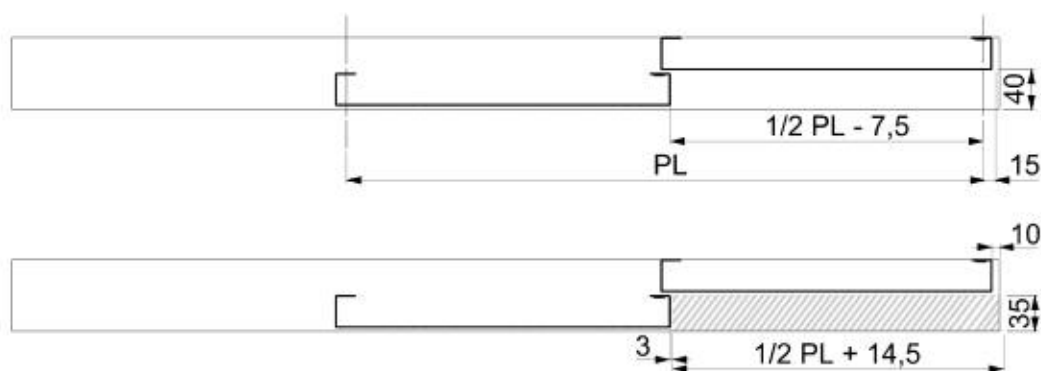
PL	600	650	700	750	800	850	900	915	950
C	895	945	995	1.041	1.116	1.191	1.241	1.271	1.341
PL	1.000	1.050	1.100	1.150	1.200	1.250	1.300	1.350	1.400
C	1.391	1.441	1.541	1.591	1.691	1.741	1.791	1.841	1.941

- Notes:
- N Recommended vertical fixing point for brackets.
 - Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
 - SC See support configuration section at the end of this technical data sheet.
 - * PL 600 - 700 = PL + 295 mm.
 - If not otherwise indicated all dimensions in mm.
 - OA Operator hardware area.

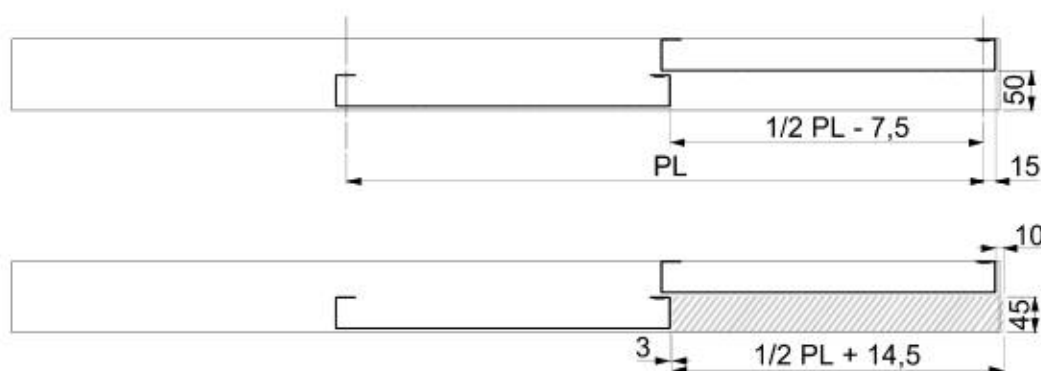
Car light cover



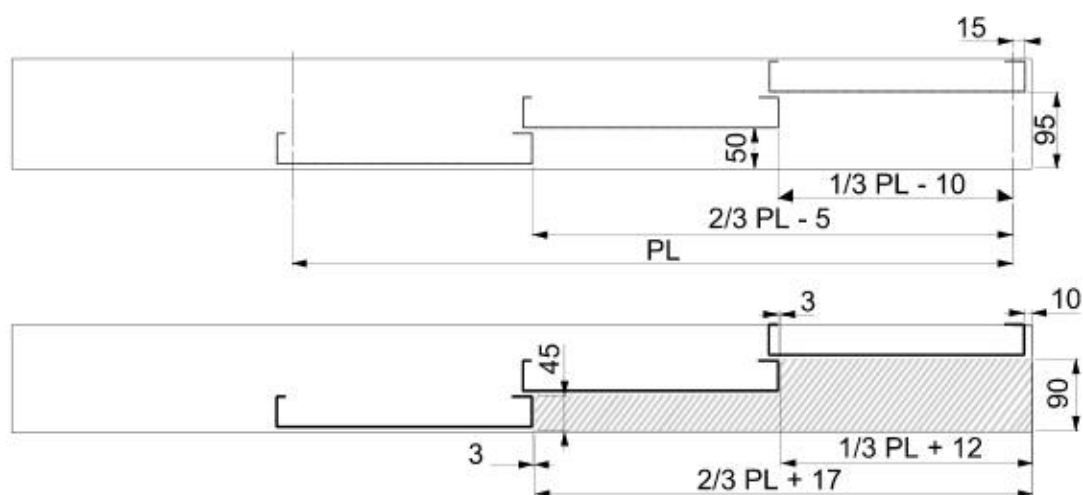
C4



T2 (P70)

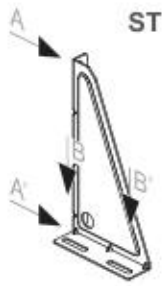


T2 (P90)

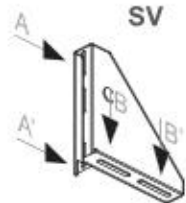
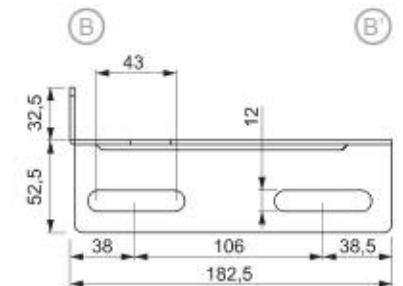
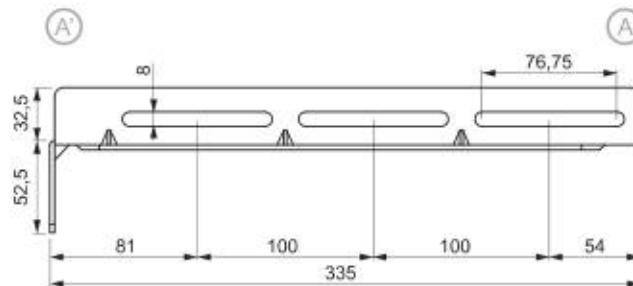


T3

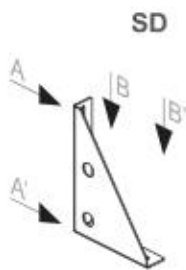
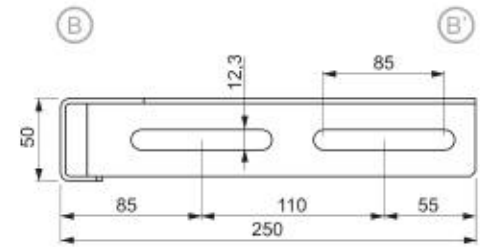
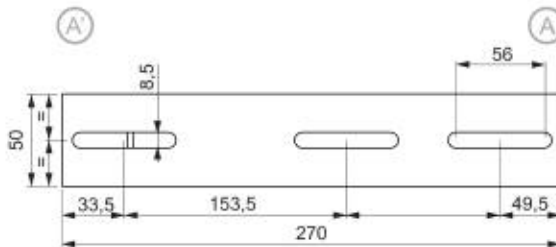
Operator fixing bracket



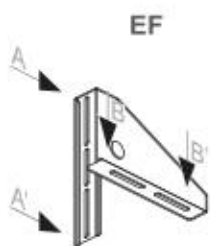
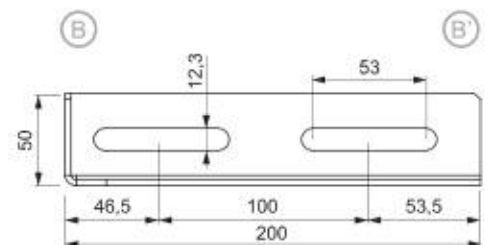
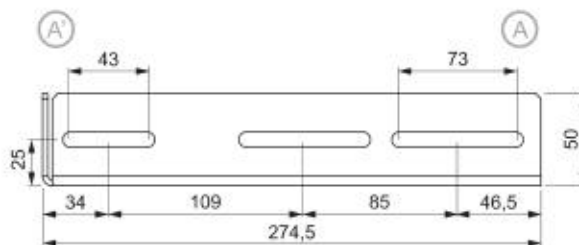
ST



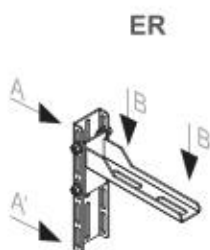
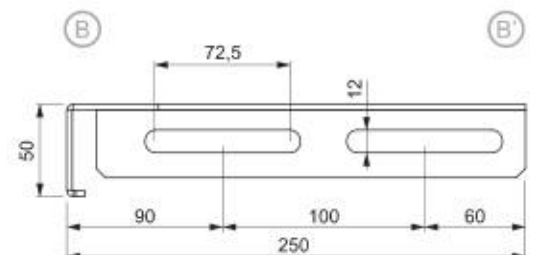
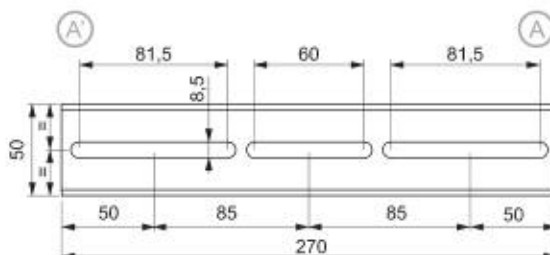
SV



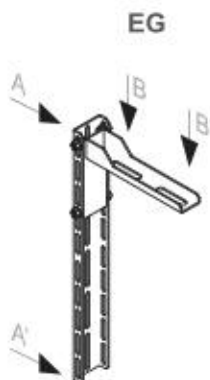
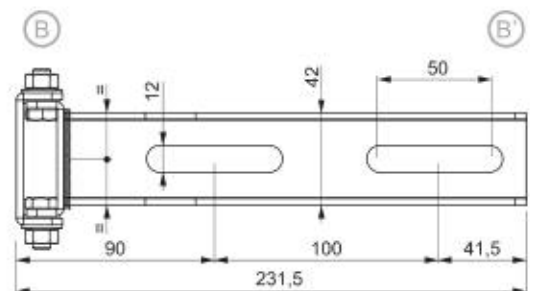
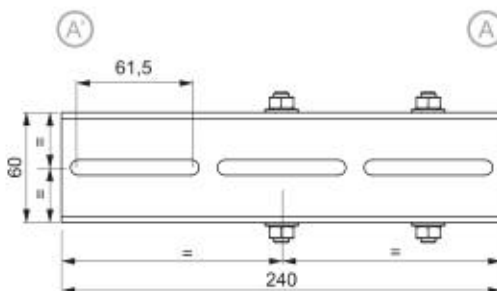
SD



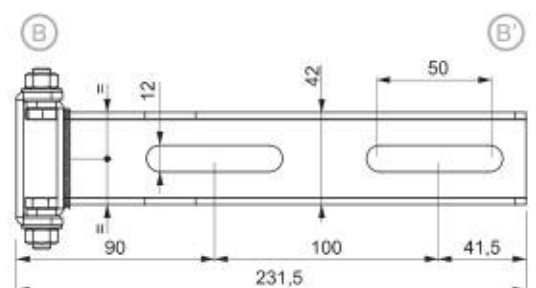
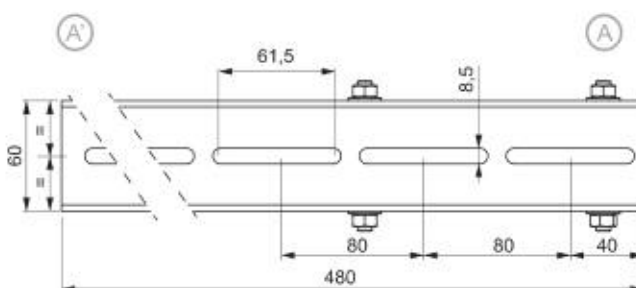
EF



ER

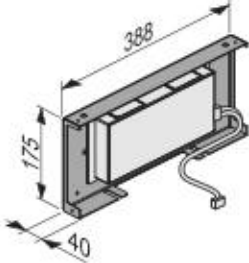
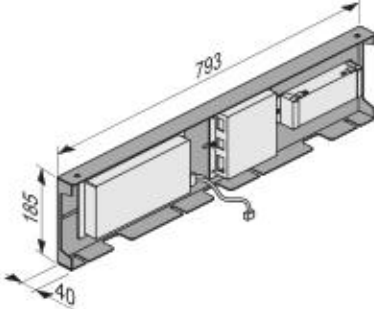
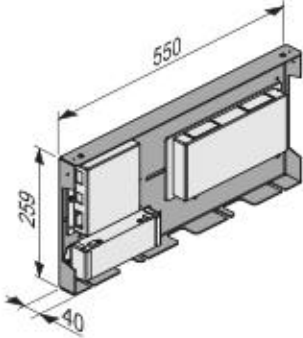
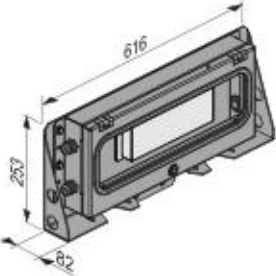
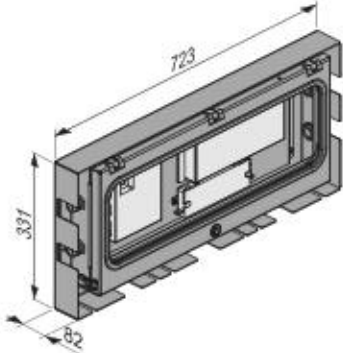
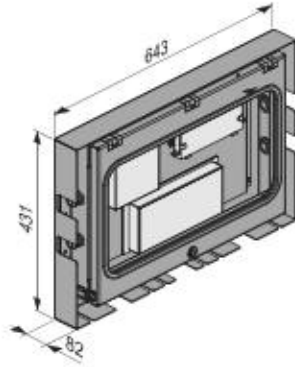


EG



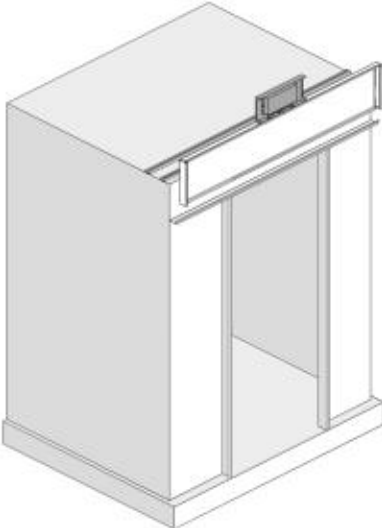
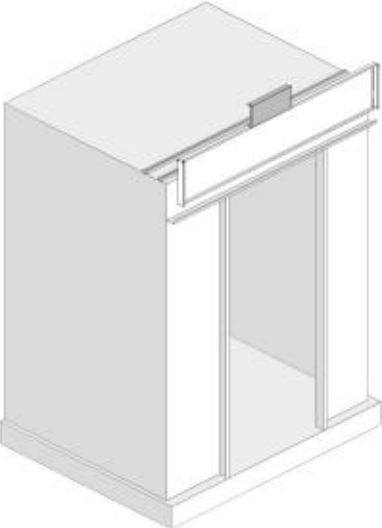
Electronic module support

TYPES OF SUPPORT ⁽⁷⁾

	Only VF circuit	VF circuit with emergency power supply for PL $\geq$ 800	VF circuit with emergency power supply for PL < 800
Standard execution			
IP54 execution			

⁷ The external support ensures the easy access to the VF circuit controls within the PL.

ASSEMBLY OPTIONS

	
Faced to the landing.	Faced to the car roof.

The type of support shown it is only a example, the assembly options are available for any type of support.