

50/11 VF

Automatic horizontal sliding car door



RESIDENTIAL
LIFTS



COMMERCIAL
LIFTS



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 3,5 m/s.

APPLICATION RANGE

Opening	Clear opening - PL (mm)		Clear height - HL (mm)
	Steel panels	Glass panels	
C2	600 - 1.400	600 - 1.400	2.000 - 2.400
C4	600 - 2.400	600 - 2.400	
C6	1.200 - 1.550	1.200 - 1.550	
C8	1.400 - 3.000	1.400 - 2.400	
T2 - T3 - T4	600 - 1.400	600 - 1.400	

PANELS

Opening	Steel panels					Glass panels				
	Sheet metal ⁽¹⁾	Double skin	Vision	Fritted vision	Wien type vision	Bevel big vision	Flush big vision	Full glass in skirting	Full glass in moorings	Aluminium glass
										
C2 - C4 - C6 - C8 T2 - T3 - T4	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓
1 Solid execution option.										

SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✓
Heated sill option	✓	✓ ⁽¹⁾	✓	✗	✗
Dust holes	✓	✓	✓	✗	✓
Sill support	✓	✓	✓	✗	✓
1 Not available for C2.					

☒ Available¹.
 ☒ Not available.
 ☒ Ask the commercial department.

¹Some option combinations may not be possible.

Door configuration

STANDARDS

Opening	EN 81-1/2 Safety rules	EN 81-20/50 Safety rules	EN 81-21 Existing buildings	EN 81-41 Impaired mobility	EN 81-71 Vandal resistance lifts		EN 81-72 Firefighters lifts
					Cat. I	Cat. II	
C2 - C4 - C6 - C8 T2 - T3 - T4	✓	✓	✓	✓	✓	✓	✓

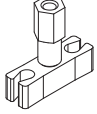
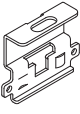
PROTECTION

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 - C6 - C8 T2 - T3 - T4	✓	✓	✗	✓	✓	✗

SAFETY DEVICES

Opening	Photocell	Photoelectric barrier		Safety edge	Emergency power supply		
		Static	Dynamic		VF4+	VF5	VF6
C2 - C4 - C6 - C8 T2 - T3 - T4	✓	✓	✗	✗	✓		✗

PANEL REGULATION SUPPORT AND PANEL GUIDE

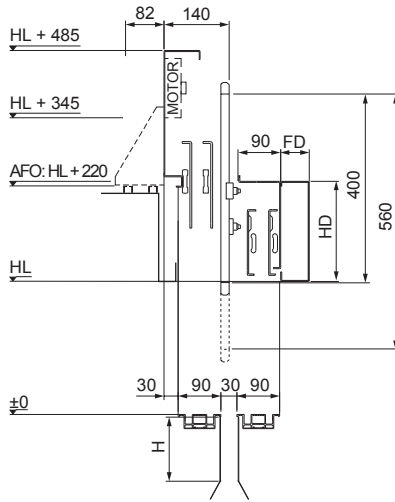
Type of panel regulation support	Plus		
Type of panel guide	Plus	EN 81-1/2	EN 81-20/50
			

☒ Available¹.
 ☐ Not available.
 ☐ Ask the commercial department.

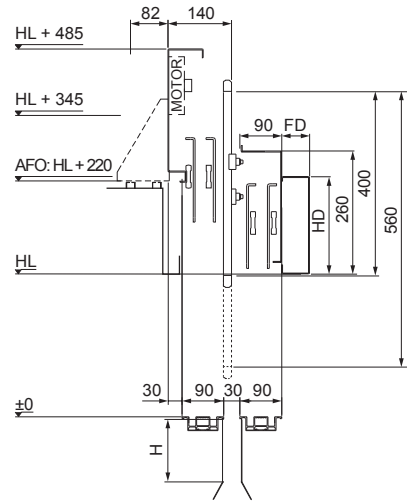
¹Some option combinations may not be possible.

Door configuration

COMPATIBILITY



Case	40/10 landing door		
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch	
Unlocking zone	+129 / -290	+289 / -290	
Toe guard type	Big	2 section	3 section
H*	750	812 (495)	798 (405)
Thickness	1,5	1,5	1,5
Range	All	650 - 1.200	650 - 1.200
*Retracted toe guard dimension between brackets. T2 opening shown. FD 20 / 25 / 40 / 60 / 140. HD 265 / 210 / 120 / 100 / 80. If not otherwise indicated all dimensions in mm.			

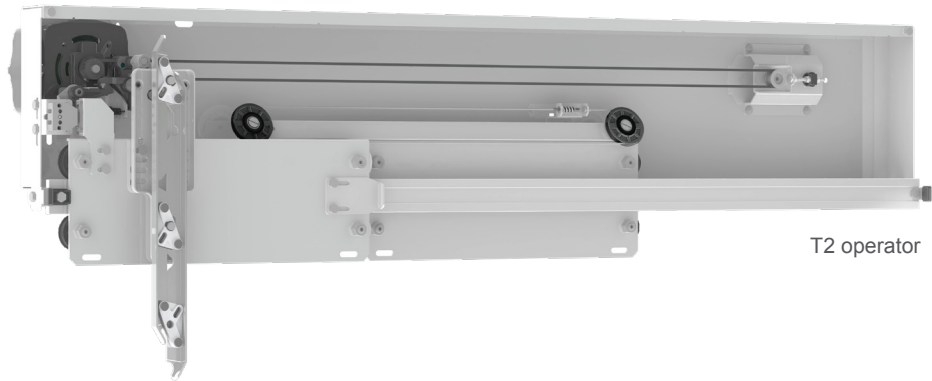


Case	50/11 landing door		
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch	
Unlocking zone	+181 / -238	+341 / -238	
Toe guard type	Big	2 section	3 section
H*	750	812 (495)	798 (405)
Thickness	1,5	1,5	1,5
Range	All	650 - 1.200	650 - 1.200
*Retracted toe guard dimension between brackets. T2 opening shown. FD 20 / 25 / 40 / 60 / 140. HD 265 / 210 / 120 / 100 / 80. If not otherwise indicated all dimensions in mm.			

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					

Technical features



DRIVE

Type	Asynchronous three-phase motor.		
Efficiency	60%.		
Consumptions	Standby 4 W / Average per cycle 50 W.		
Transmission	Gearless.	PL 600 - 3.000 mm.	HTD 5M belt.

ELECTRONIC MODULE

Type	VF5+ and VF6.
Adjustable parameters via	PC / Console.
Working signals available	From 12 V to 230 V AC/DC or with BUS CAN (Only for VF6).
Opening speed	Up to 1 m/s. Manually adjustable and auto-adjustable directly with the panel weight.
Closing speed	Up to 0,6 m/s. Manually adjustable and auto-adjustable directly with the panel weight.
Re-opening	Integrated with auto-adjustable cycles.

GENERAL FEATURES

Noise level	< 53 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm, with sheet metal panels - 73 kg.
Maximum moving mass	250 kg.
Locking device	Car door lock*.
* Option not available for C6 PL: 1.200 - 1.350 mm and C8 PL: 1.400 - 1.800 mm.	

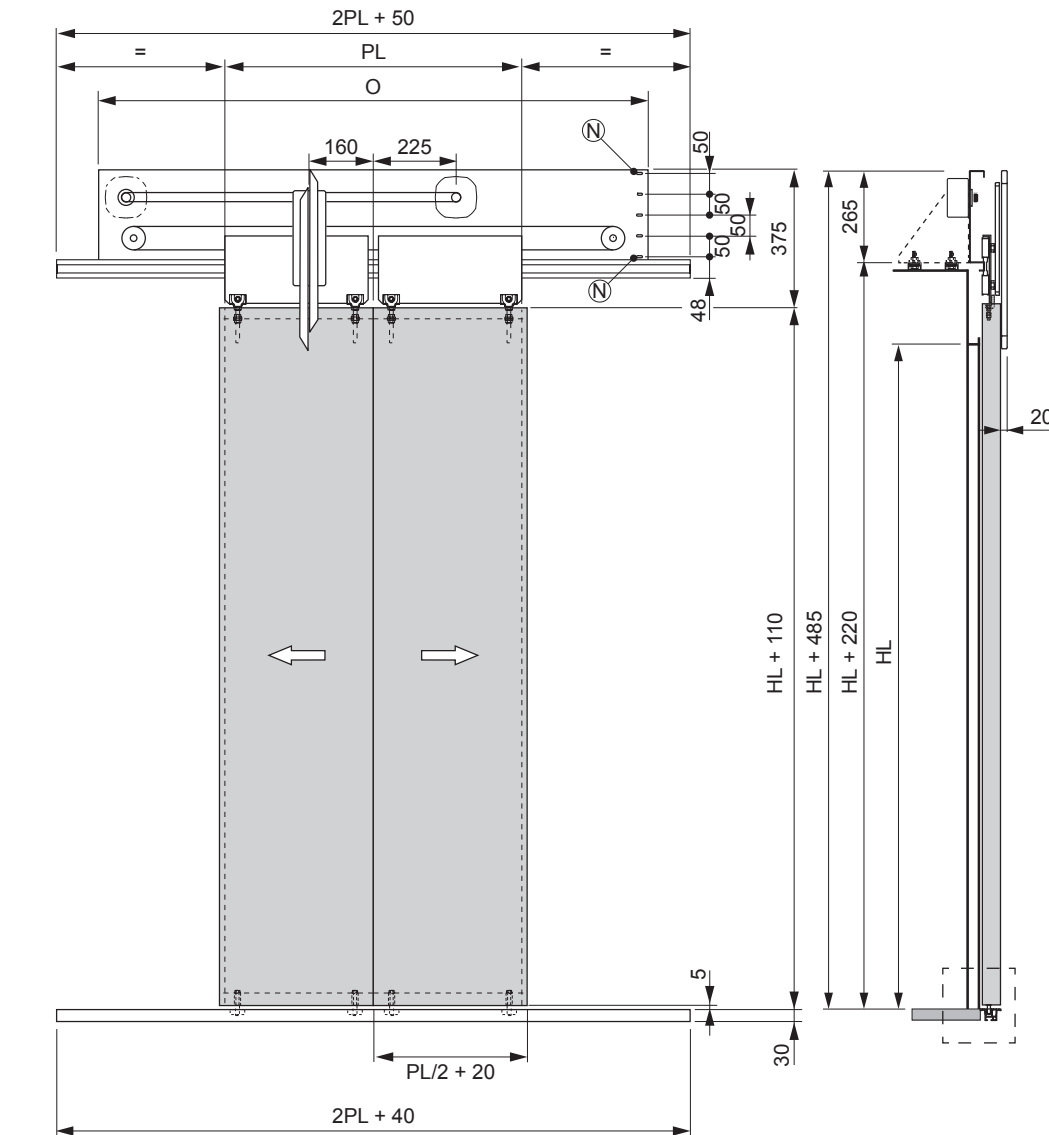
INSTALLATION

Pre-adjusted and tested to simplify the installation.

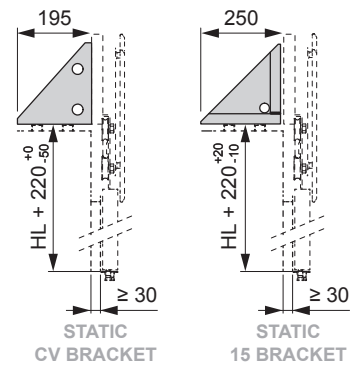
Technical drawing

2 panel centre parting door

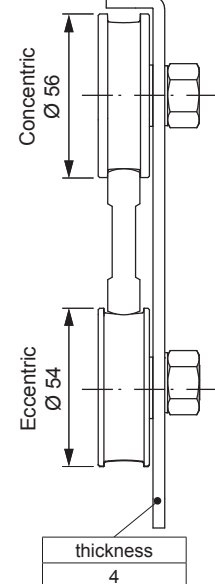
Single coupling system (PL 600 - 1.000)
54 mm sill



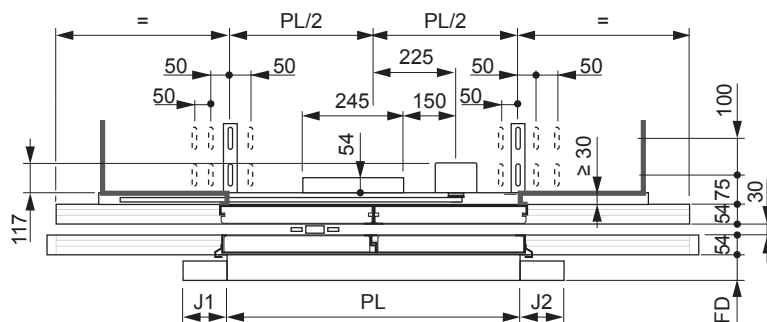
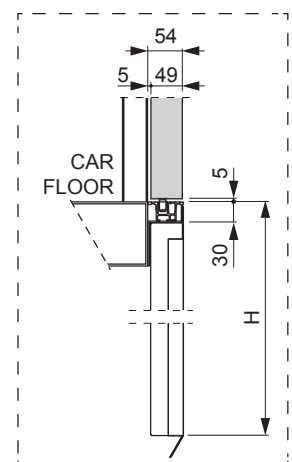
FIXING BRACKET RANGE



MECHANICAL DETAILS



SILL DETAIL



PL	600	650	700	750	800	850	900	1.000
O	1.200	1.250	1.400	1.450	1.500	1.550	1.600	1.700

Notes:

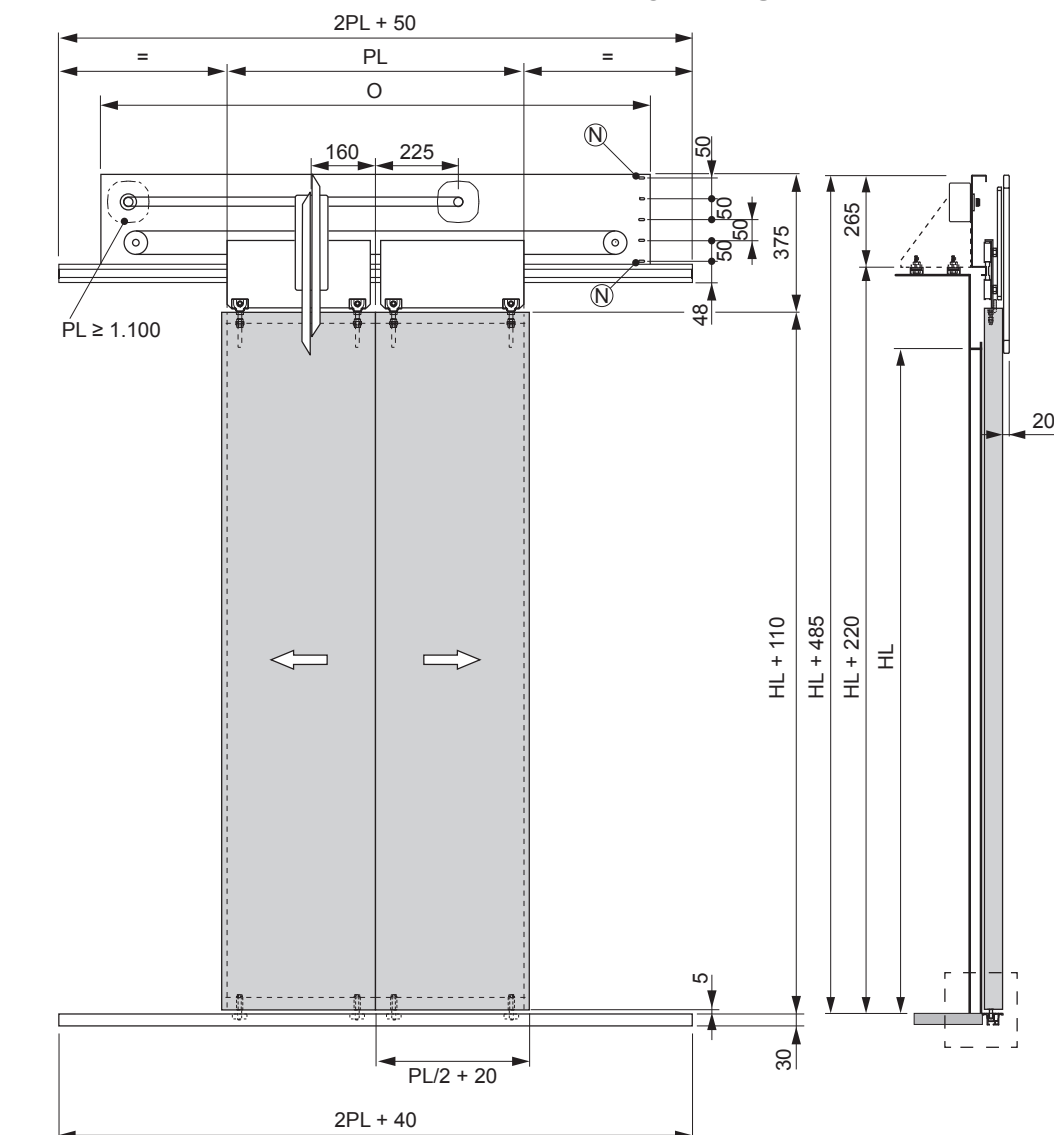
- N Recommended vertical fixing point for brackets.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- If not otherwise indicated all dimensions in mm.

Technical drawing

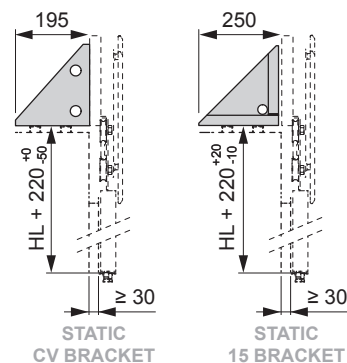
2 panel centre parting door

Single coupling system (PL 1.100 - 1.400)

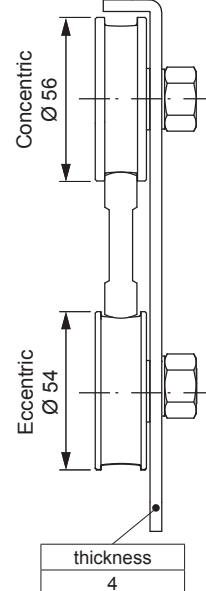
54 mm sill



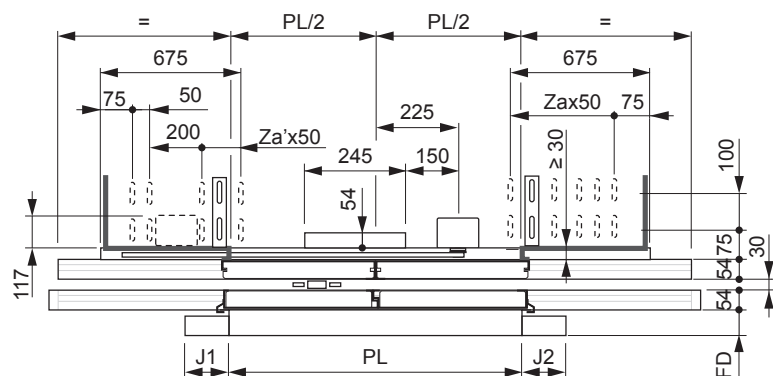
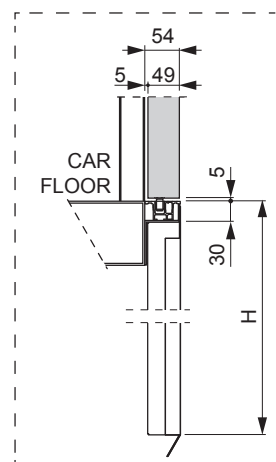
FIXING BRACKET RANGE



MECHANICAL DETAILS



SILL DETAIL



PL	1.100	1.200	1.300	1.400
O	1.800	2.200	2.300	2.400
Za	8	12	13	14
Za'	5	9	10	11

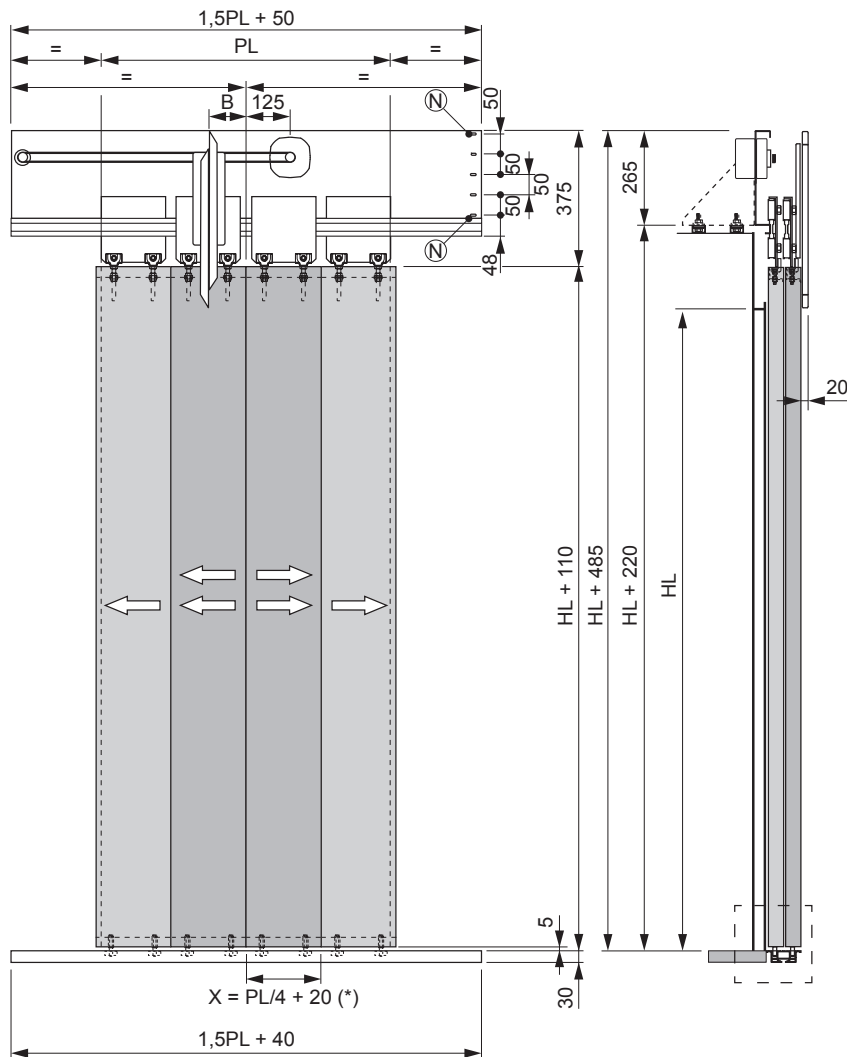
Notes:

- N Recommended vertical fixing point for brackets.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- If not otherwise indicated all dimensions in mm.

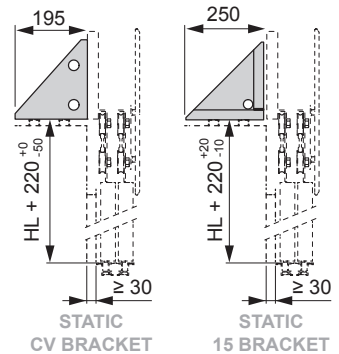
Technical drawing

4 panel centre parting door

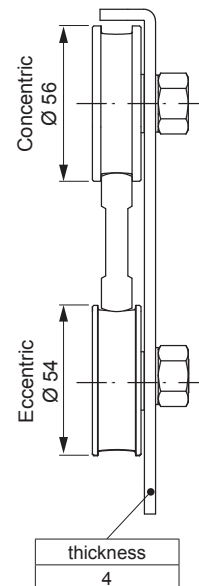
Single coupling system (PL 600 - 1.050)
90 mm sill



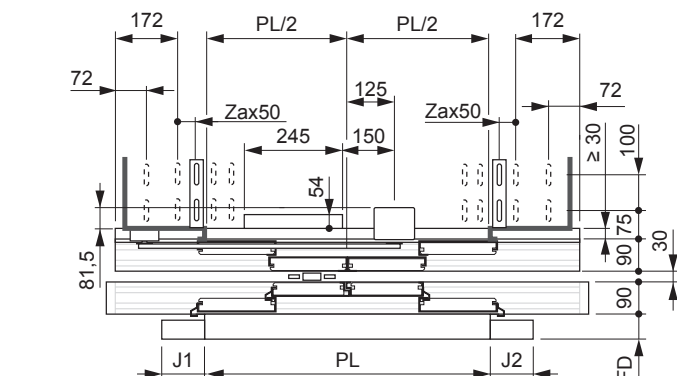
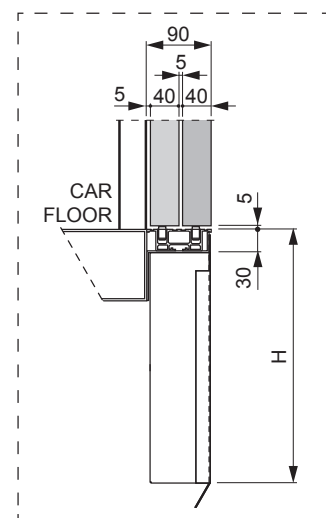
FIXING BRACKET RANGE



MECHANICAL DETAILS



SILL DETAIL

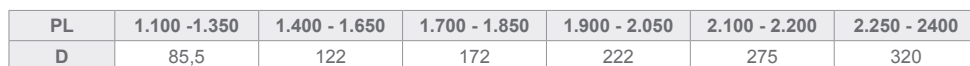


PL	600 - 650	700 - 750	800 - 915	950 - 1.050
Za	4	5	6	7

Notes:

- * Full glass panel type only if $X \geq 195$.
- N Recommended vertical fixing point for brackets.
- B For $PL \leq 900 = 100$. For $PL \geq 950 = 160$.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- If not otherwise indicated all dimensions in mm.

Double coupling system (PL 1.100 - 2.400) 90 mm sill

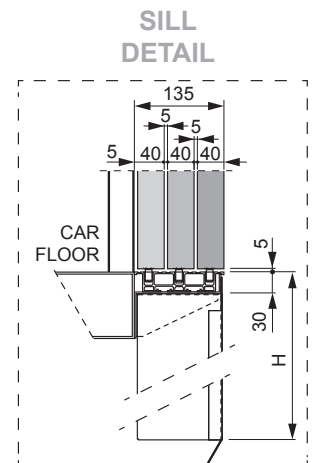
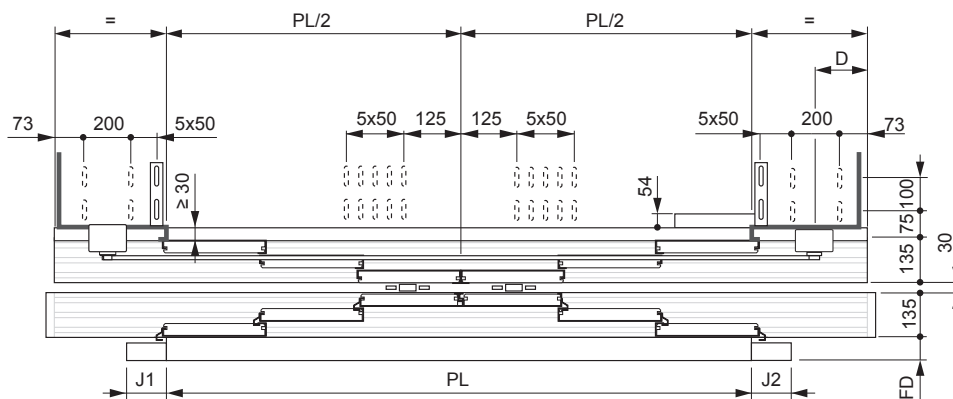
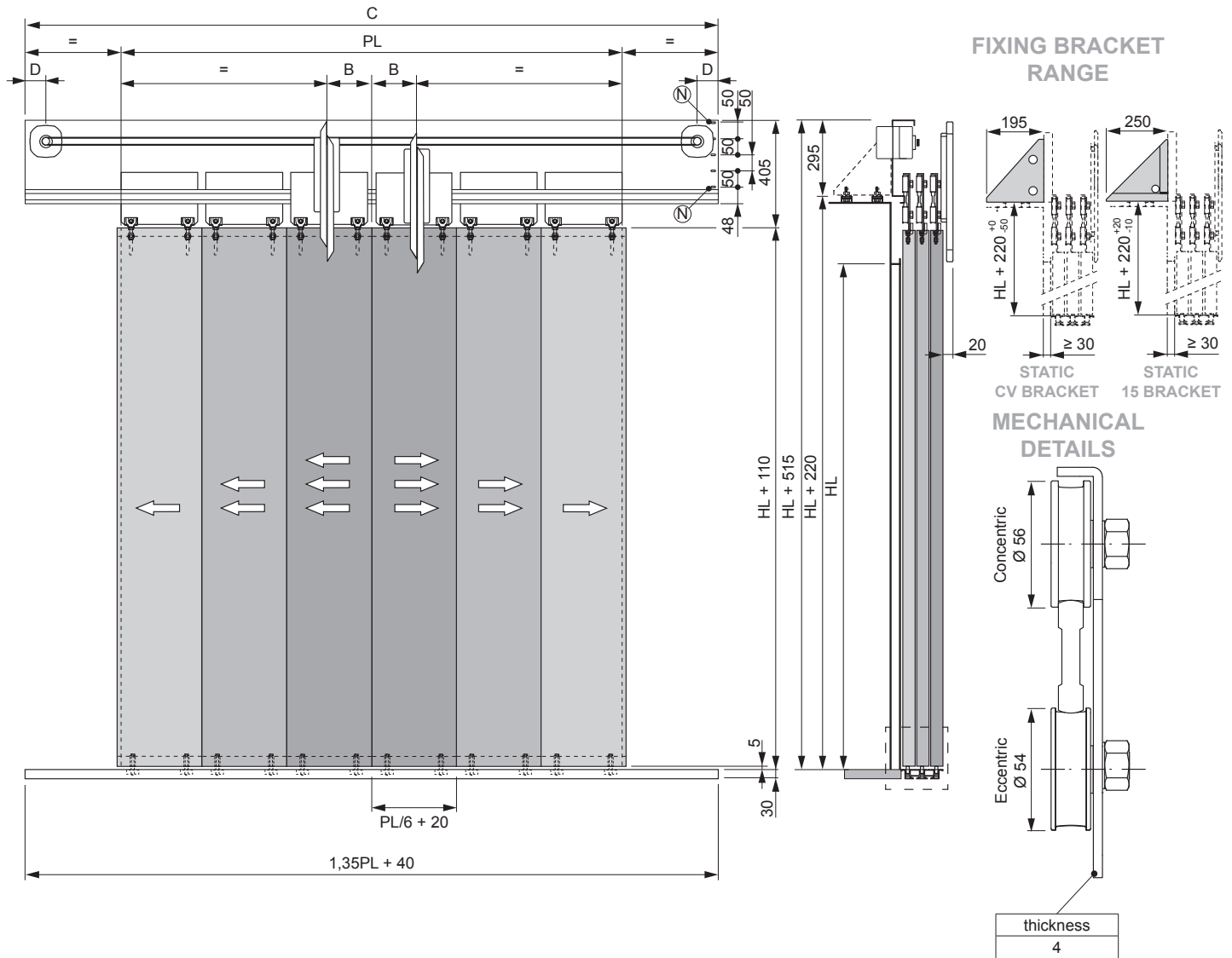


N Recommended vertical fixing point for brackets.
J1 - J2 See landing door technical data sheet for available dimensions.
FD 20 / 25 / 40 / 60 / 140.
- If not otherwise indicated all dimensions in mm.

Technical drawing

6 panel centre parting door

Double coupling system (PL 1.200 - 1.550)
135 mm sill



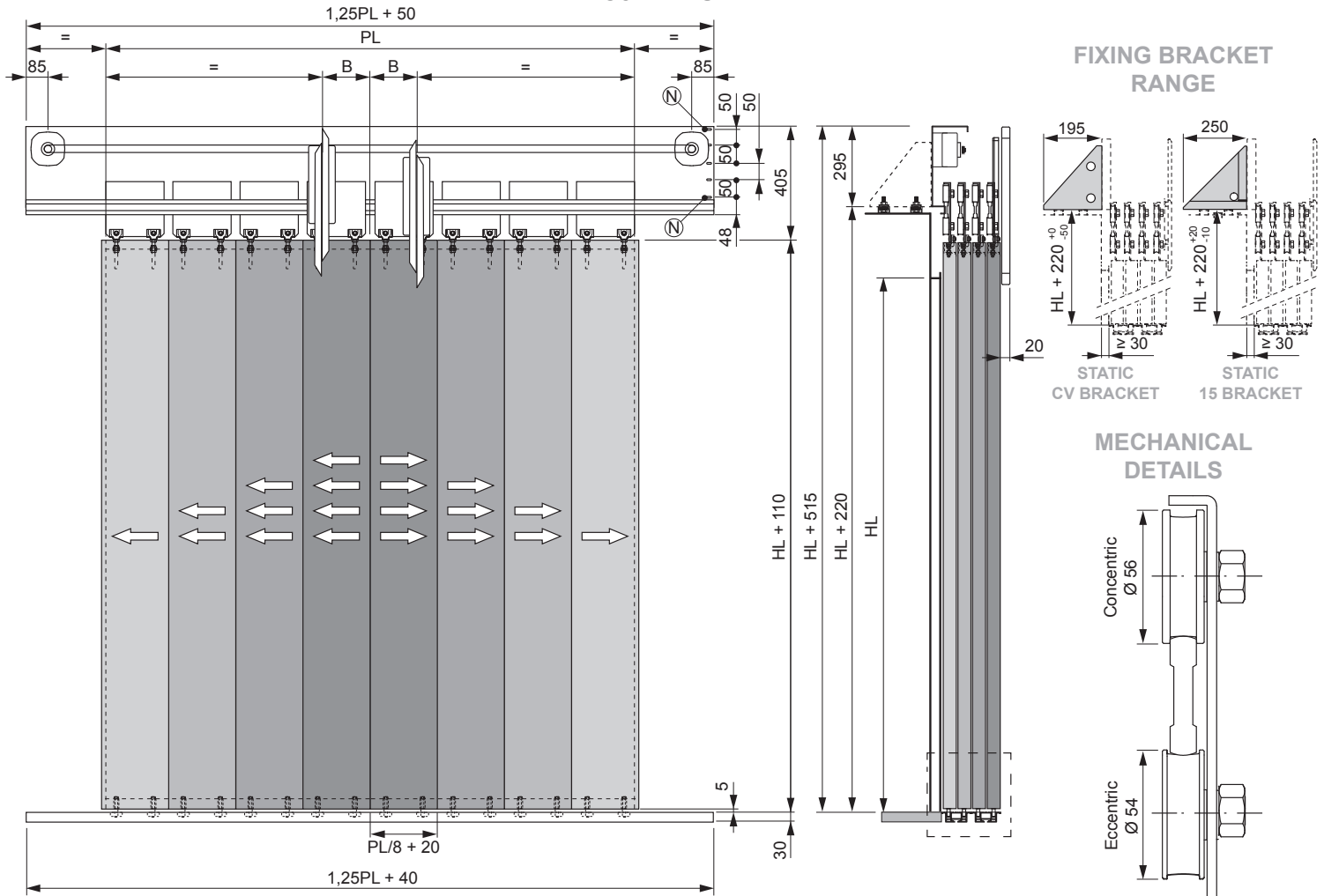
PL	1.200	1.250	1.300	1.350	1.400	1.450	1.500	1.550
C	1.650	1.750	1.800	1.850	1.950	2.000	2.050	2.150
D	86	86	86	86	86	86	86	86

Notes:

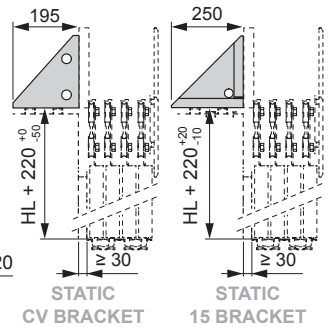
- N Recommended vertical fixing point for brackets.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- B PL 1.200 - 1.350 = 100; PL ≥ 1.400 - 1.600 = 160.
- If not otherwise indicated all dimensions in mm.

Technical drawing 8 panel centre parting door

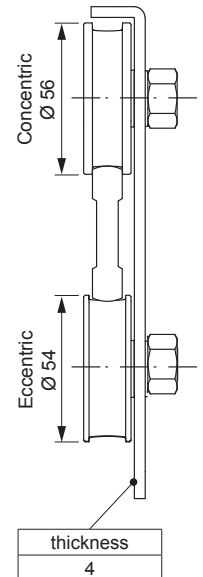
Double coupling system (PL 1.400 - 3.000)
180 mm sill



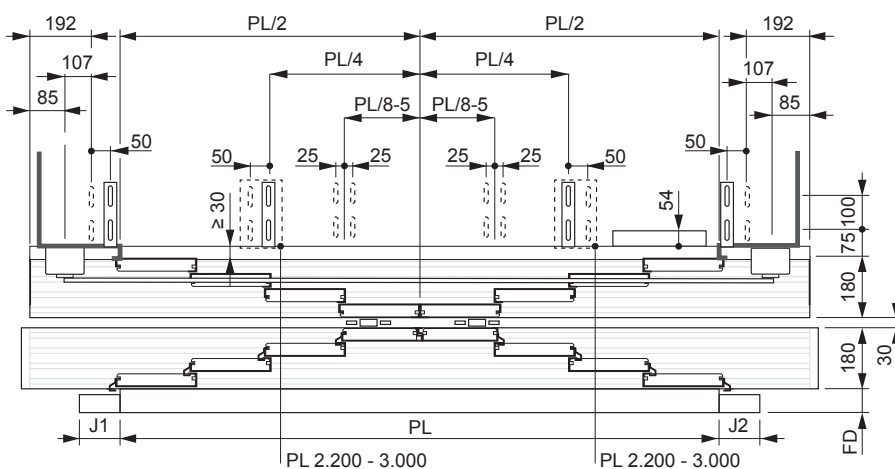
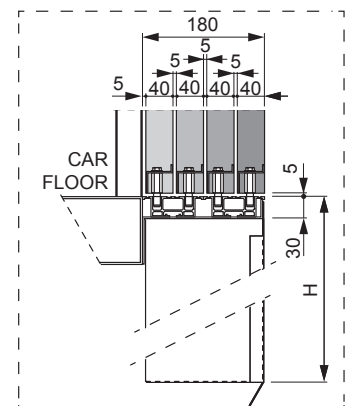
FIXING BRACKET RANGE



MECHANICAL DETAILS



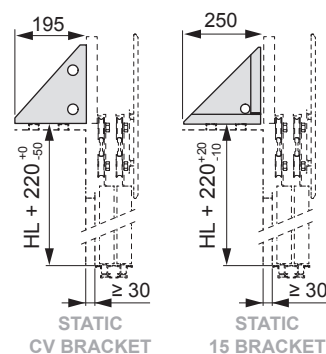
SILL DETAIL



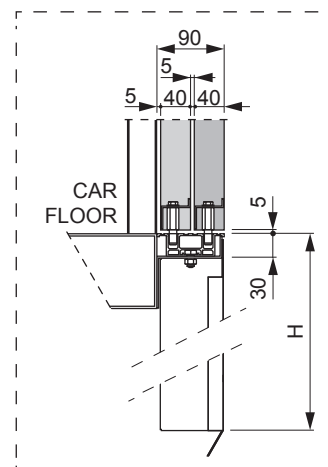
Notes:

- N Recommended vertical fixing point for brackets.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- B PL 1.400 - 1.800 = 100; PL ≥ 1.850 - 3.000 = 160.
- If not otherwise indicated all dimensions in mm.

90 mm sill



Technical drawing of a 1000 mm long, 4 mm thick plate. The plate features two sets of holes. The first set, labeled 'Concentric', consists of two holes with a diameter of $\varnothing 56$ mm, spaced 56 mm apart. The second set, labeled 'Eccentric', consists of two holes with a diameter of $\varnothing 54$ mm, spaced 54 mm apart. The eccentric holes are offset from the centerline of the plate. A dimension line at the bottom indicates the plate's thickness is 4 mm.



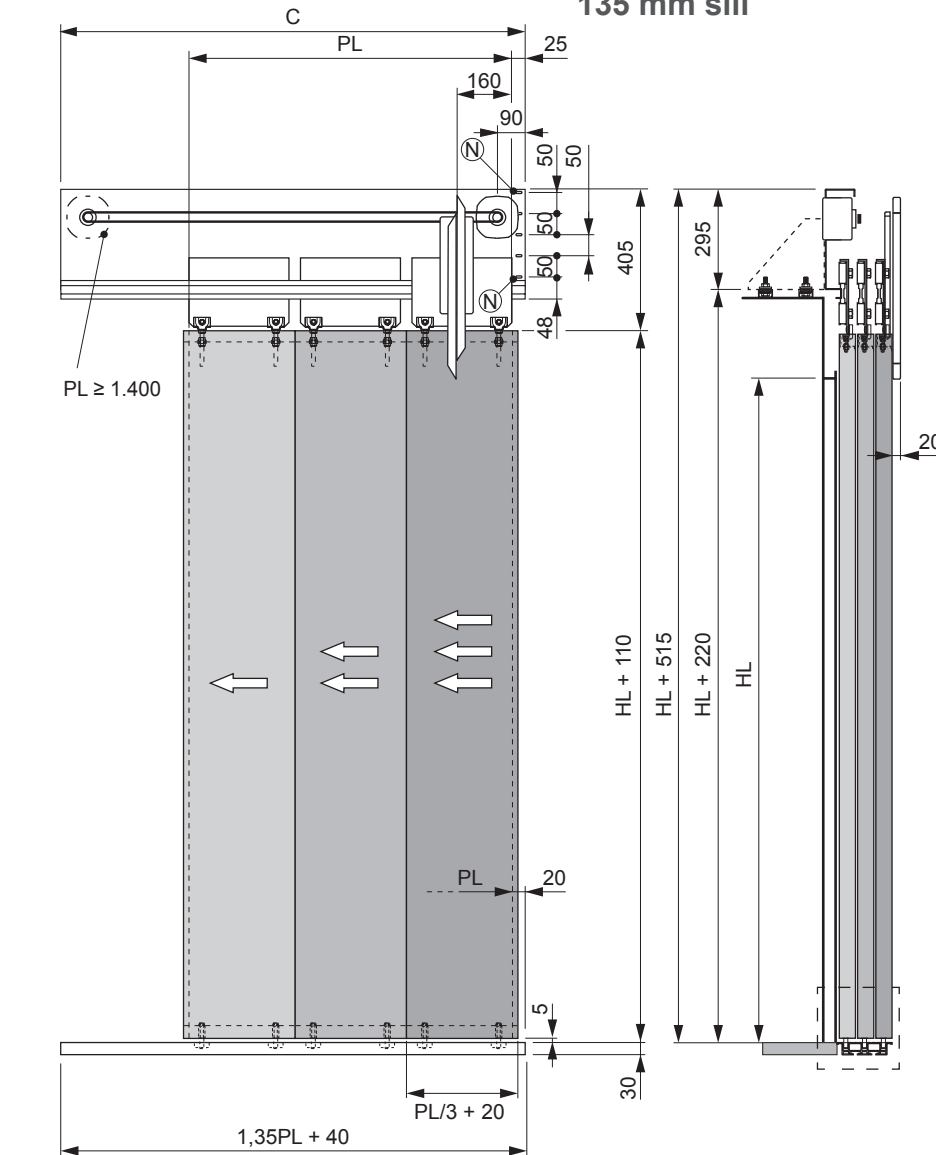
PL	600 - 750	800 - 915	950 - 1.050	1.100 - 1.400
Za	5	6	7	8

Notes:

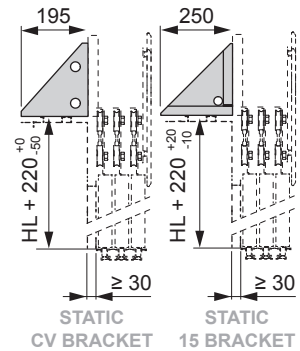
N Recommended vertical fixing point for brackets.
J1 - J2 See landing door technical data sheet for available dimensions.
FD 20 / 25 / 40 / 60 / 140.
- If not otherwise indicated all dimensions in mm.

Technical drawing 3 panel side opening door

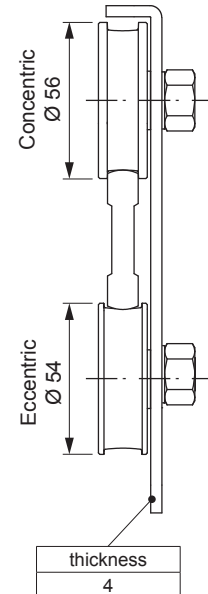
(PL 600 - 700)
135 mm sill



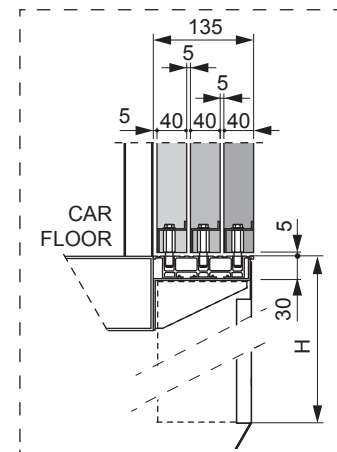
FIXING BRACKET RANGE



MECHANICAL DETAILS



SILL DETAIL



PL	600	650	700
C	895	945	995

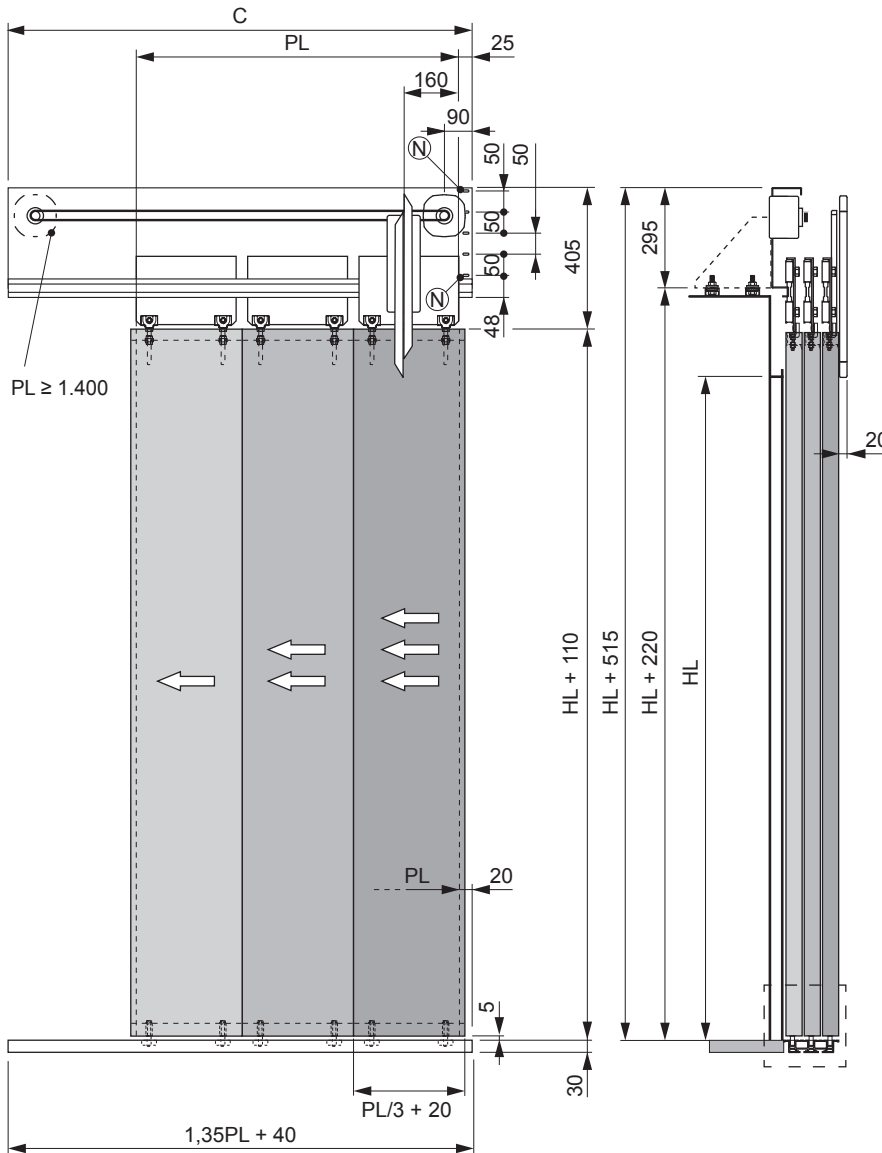
Notes:

- N Recommended vertical fixing point for brackets.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- If not otherwise indicated all dimensions in mm.

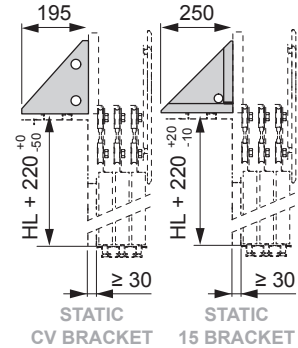
Technical drawing

3 panel side opening door

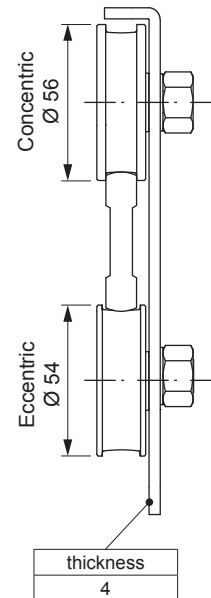
(PL 750 - 1.400)
135 mm sill



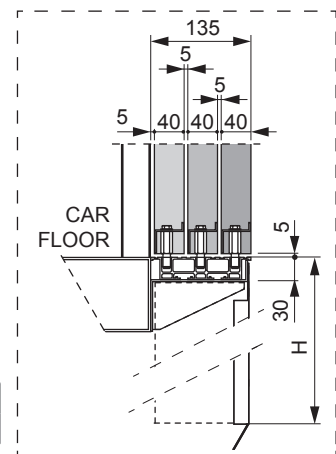
FIXING BRACKET RANGE



MECHANICAL DETAILS



SILL DETAIL



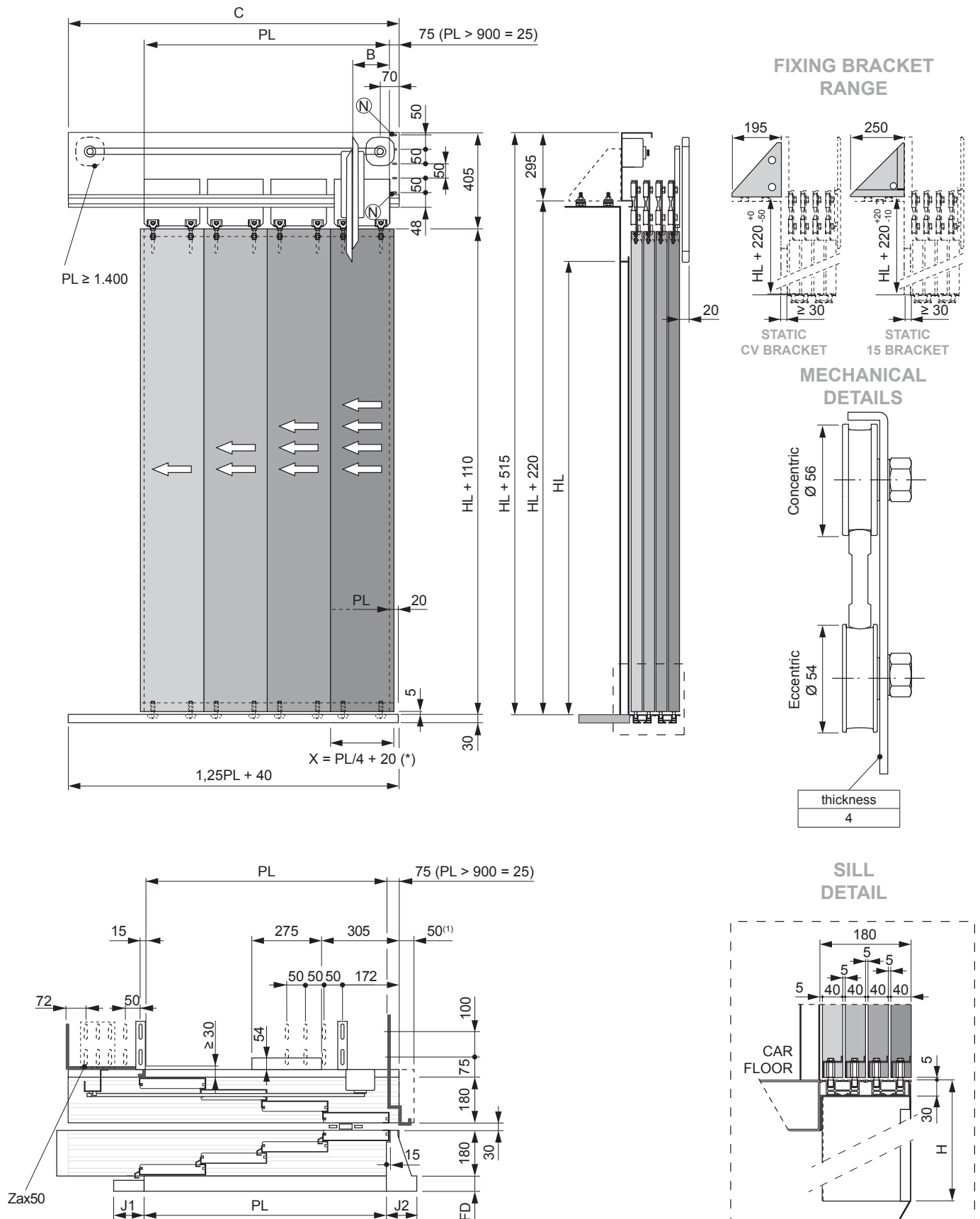
PL	750	800	850	900	915	950	1.000	1.050	1.100	1.150	1.200	1.250	1.300	1.350	1.400
C	1.045	1.120	1.195	1.245	1.275	1.345	1.395	1.445	1.545	1.595	1.695	1.745	1.795	1.845	1.945

Notes:

- N Recommended vertical fixing point for brackets.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 20 / 25 / 40 / 60 / 140.
- * PL 750 - 1.150 = 50 x 4 | PL 1.200 - 1.300 = 50 x 5 | PL 1.350 - 1.400 = 50 x 6
- If not otherwise indicated all dimensions in mm.

Technical drawing 4 panel side opening door

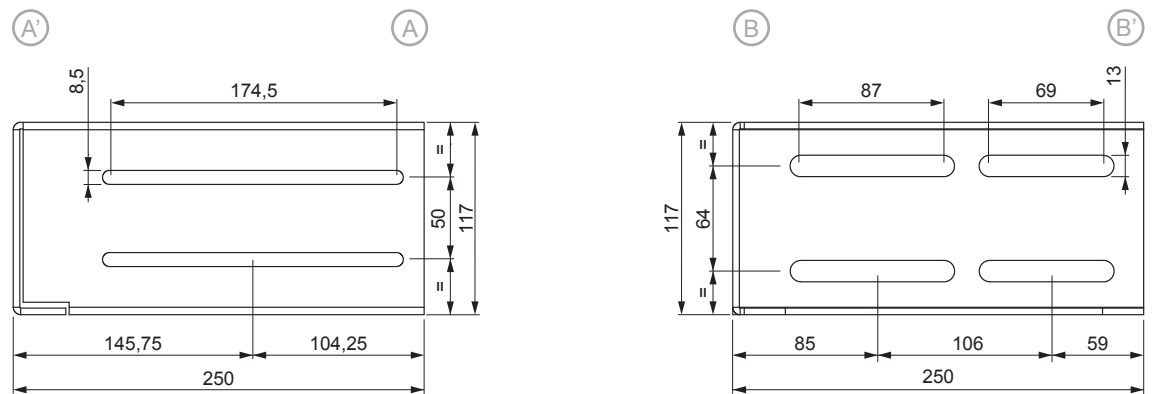
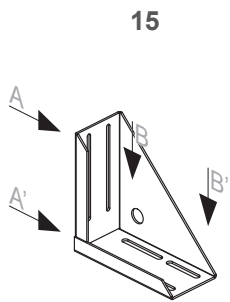
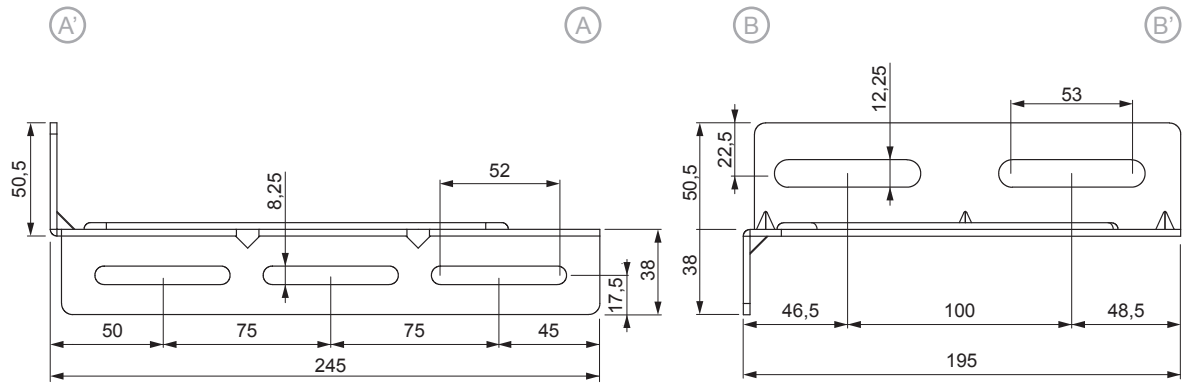
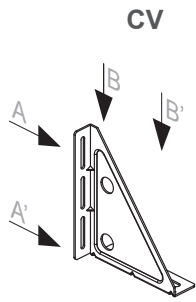
180 mm sill



PL	600	650	700	750	800	850	900	1.000	1.100	1.200	1.300	1.400
C	850	910	975	1.035	1.100	1.160	1.225	1.300	1.425	1.550	1.675	1.800
Za	2	2	3	3	3	3	4	5	6	7	8	8

fermator
AUTOMATIC DOORS FOR LIFTS

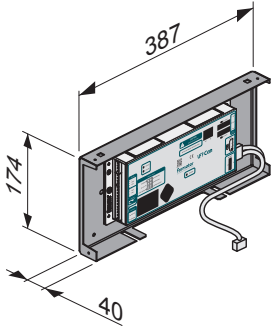
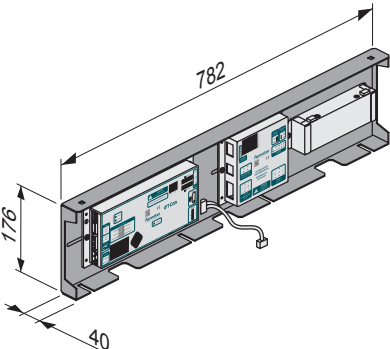
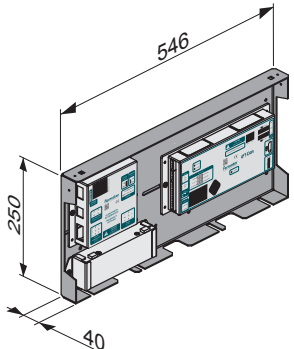
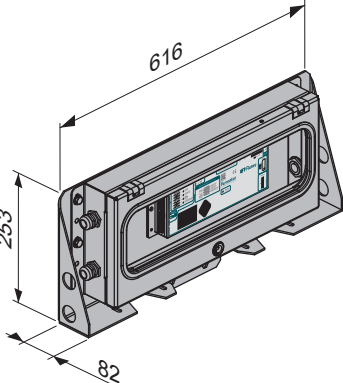
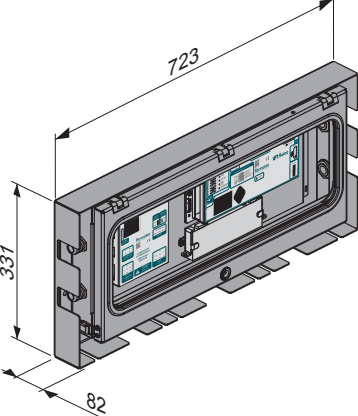
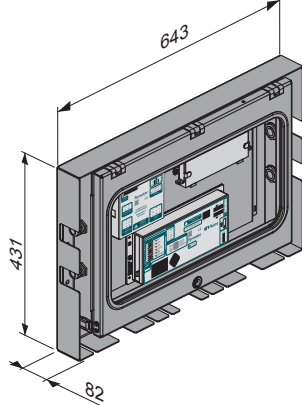
Operator fixing bracket



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AUTOMATIC DOORS FOR LIFTS

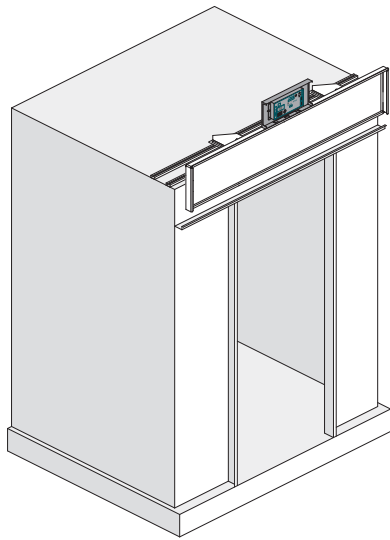
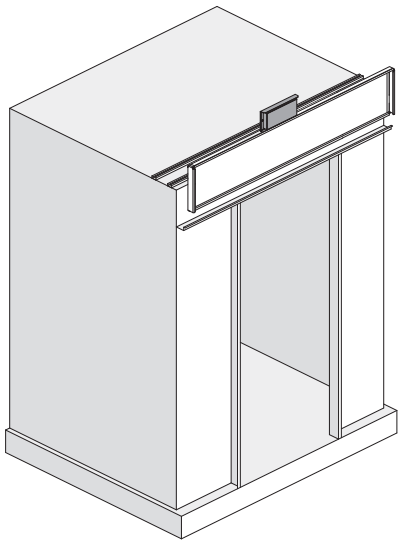
Electronic module support

TYPES OF SUPPORT*

	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			

*The external support ensures the easy acces 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 aviable for any type of support.



Sales contacts

General: info@fermator.com

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China: info.cn@fermator.com • India: info.in@fermator.com • Poland: info.pl@fermator.com • Germany: info.de@fermator.com
Middle East: info.tr@fermator.com • Nordic countries: info.se@fermator.com

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