

PREMIUM PM

Automatic horizontal sliding car door



Door configuration

LIFT APPLICATION



Door cycles per year:	Up to 2.500.000.
Maximum cycle rate of the door:	Up to 360 cycles per hour.
Maximum lift speed:	Up to 3,5 m/s.

APPLICATION RANGE

Opening	Clear opening - PL (mm)	Clear height - HL (mm)
C2	650 - 2.400	2.000 - 3.000
C4	900 - 3.000	
C6	1.600 - 3.000	
T1	600 - 1.200	
T2	700 - 1.600	
T3	700 - 2.000	

PANELS

Opening	Steel panels					Glass panels				
	Sheet metal ⁽²⁾	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 T1 - T2 - T3	✓	✓	✗	✗	✗	✓	✓	✓	✓	✗

(2) Solid execution option.

SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✓
Heated sill option	✓	✓ ⁽³⁾	✓	✗	✗
Debris holes	✓	✓	✓	✗	✓
Sill support	✓	✓	✓	✗	✓

(3) Reinforced aluminium compatible with sills of 90 mm and 135 mm.

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 resistant lifts		EN 81-72 Firefighting lifts
					Cat. I	Cat. II	
C2 - C4 - C6 T1 - T2 - T3	✓	✓	✗		✓	✓	✗

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 debris and protected against water splashed from all directions.		IP65 Sealed against debris 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 T1 - T2 - T3	✓	✓	✓	✗	✗	✗

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

⁽¹⁾Some option combinations may not be possible.

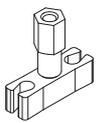
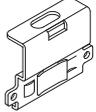
Door configuration

SAFETY DEVICES

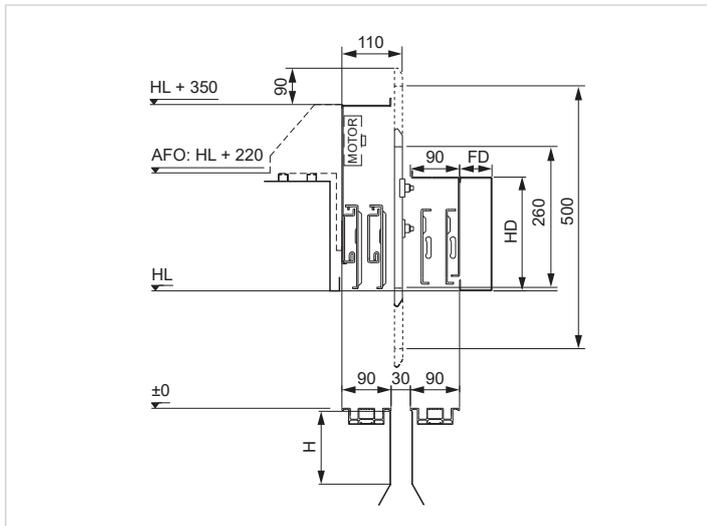
Opening	Photocell	Photoelectric barrier		Safety edge	Emergency power supply		
		Static	Dynamic		VF5+(4)	VF6	VF7
C2 - C4 - C6 T1 - T2 - T3		✓	✓	✗	✓	✓	✓

(4) Circuit VF5+ compatible with operators without reduction.

PANEL REGULATION SUPPORT AND PANEL GUIDE

Type of panel regulation support	Plus		
Type of panel	Plus	Sill track: 15 mm.	Sill track: 8 mm.
			

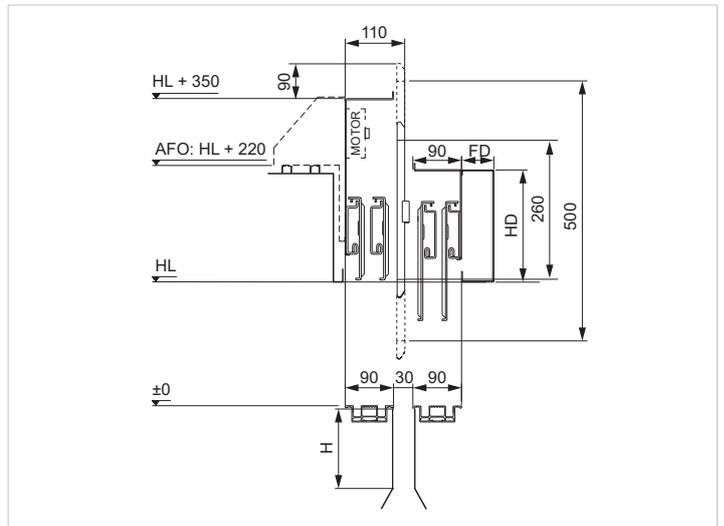
COMPATIBILITY



Case	40/10 landing door		
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch	
Unlocking zone	+114 / -169	+244 / -290	
Toe guard type	Big	2 section	3 section
H ⁽⁵⁾	750	812 (495)	798 (405)
Thickness	1,5	1,5	1,5
Range	All	650 - 1.200	650 - 1.200

(5) Retracted toe guard dimension between brackets.
T2 opening shown.
FD 25 / 50 / 60.
HD 80 / 180 / 210.

If not otherwise indicated all dimensions in mm.



Case	Premium landing door		
Coupling	Asymmetrical clutch	Pre-opening asymmetrical clutch	
Unlocking zone	+102 / -148	+232 / -239	
Toe guard type	Big	2 section	3 section
H ⁽⁵⁾	750	812 (495)	798 (405)
Thickness	1,5	1,5	1,5
Range	All	650 - 1.200	650 - 1.200

(5) Retracted toe guard dimension between brackets.
T2 opening shown.
FD 25 / 50 / 60.
HD 80 / 180 / 210.

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 magnet motor.		
Efficiency	80%.		
Consumptions	Standby 4 W / Average per cycle 20 W.		
Transmission	Gearless.	PL 650 - 1.400 mm.	HTD 5M belt.
	Geared.	PL > 1.400 mm.	RPP5 / Poly - V belt.

ELECTRONIC MODULE

Type	VF5+, VF6, VF7+ Relay and VF7+ CAN.
Adjustable parameters via	PC / Console.
Working signals available	From 12 V to 240 V AC/DC or with BUS CAN.
Opening speed	Up to 1 m/s (Adjustable).
Closing speed	Up to 0,6 m/s. Auto-adjusted directly with the panel weight.
Re-opening	Integrated with auto-adjusted cycles.

GENERAL FEATURES

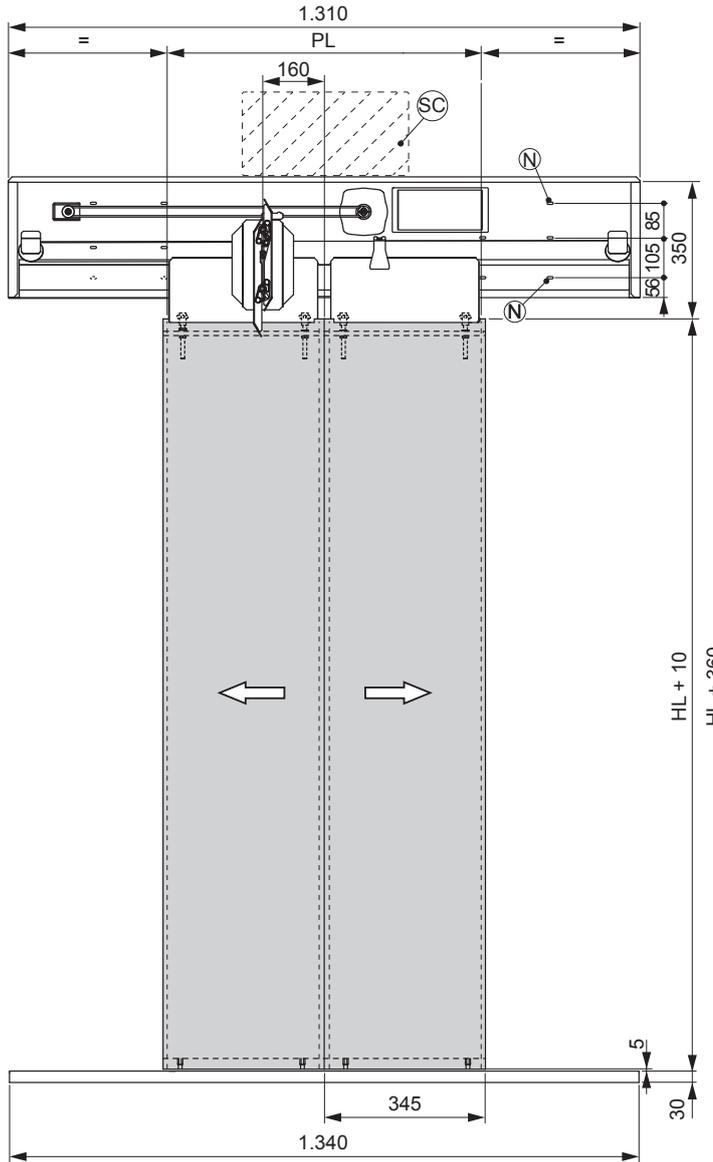
Noise level	< 48 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm, with sheet metal panels - 68 kg.
Maximum moving mass	360 kg.
Locking device	Car door lock.

INSTALLATION

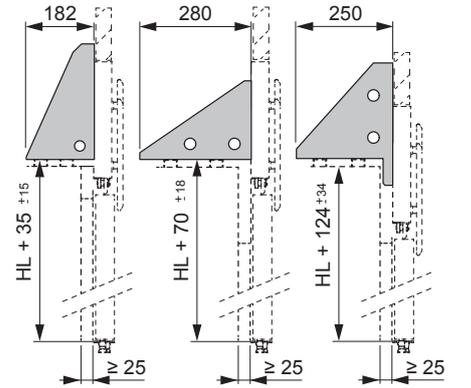
Pre-adjusted and tested to simplify the installation.
Frontal concept, all parts within the sill projection, allows fixing directly to the front or by regulable range of brackets.

Technical drawing 2 panel centre parting door

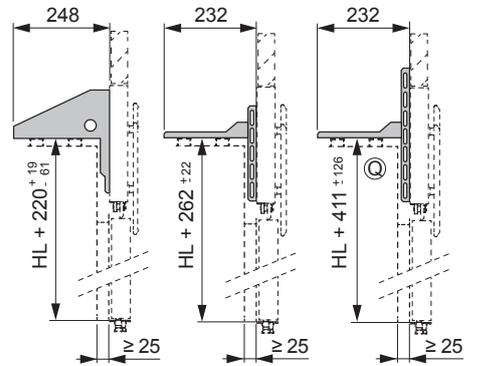
54 mm sill
(PL 650)



FIXING BRACKET RANGE

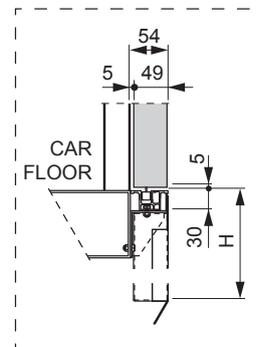


STATIC ST BRACKET STATIC SD BRACKET STATIC SE BRACKET

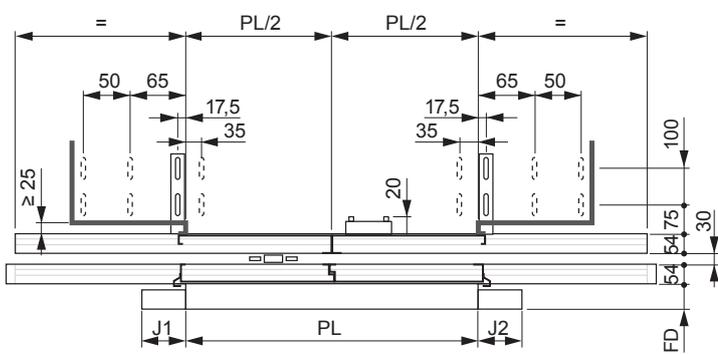
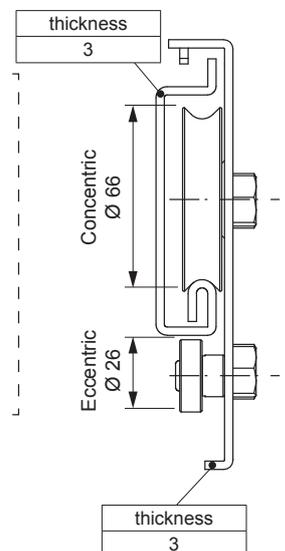


STATIC EF BRACKET ADJUSTABLE ER BRACKET ADJUSTABLE EG BRACKET

SILL DETAIL



MECHANICAL DETAILS

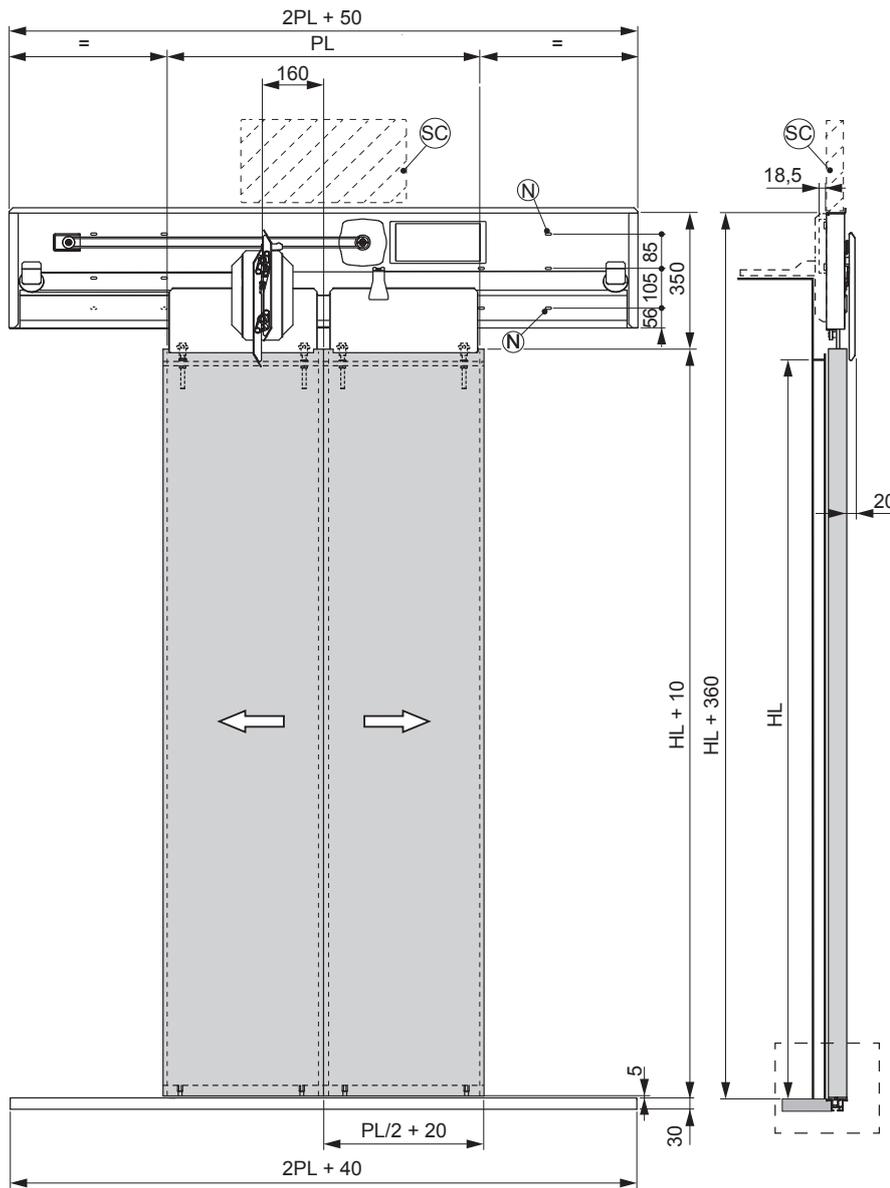


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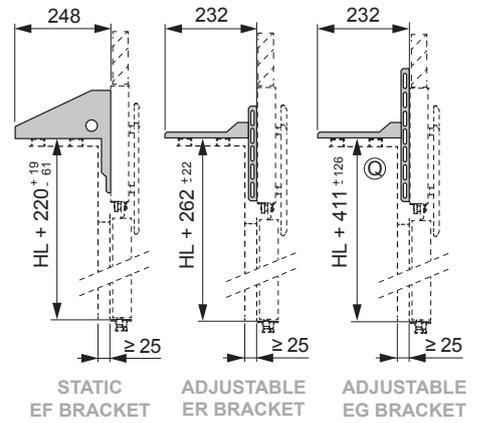
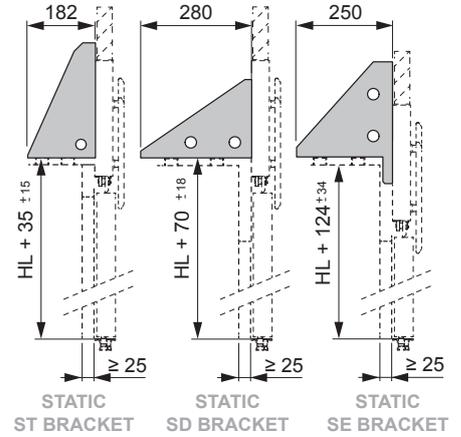
- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 25 / 50 / 60.
- SC See support configuration section at the end of this technical data sheet.
- If not otherwise indicated all dimensions in mm.

Technical drawing 2 panel centre parting door

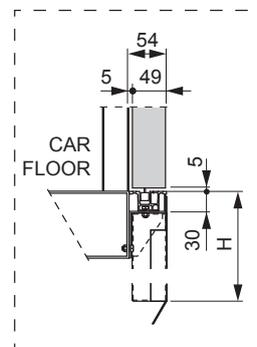
54 mm sill
(PL 700 - 1.400)



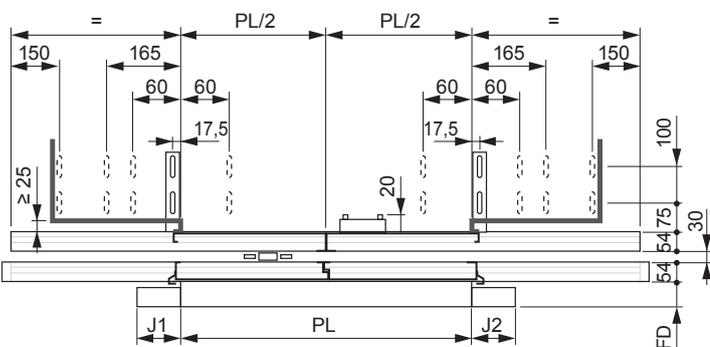
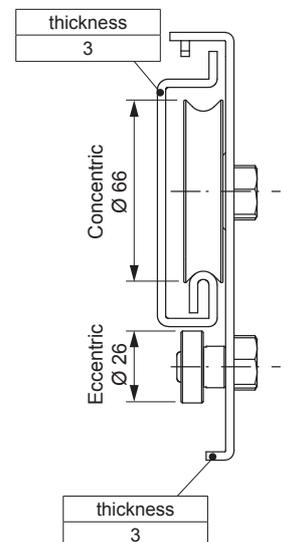
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS

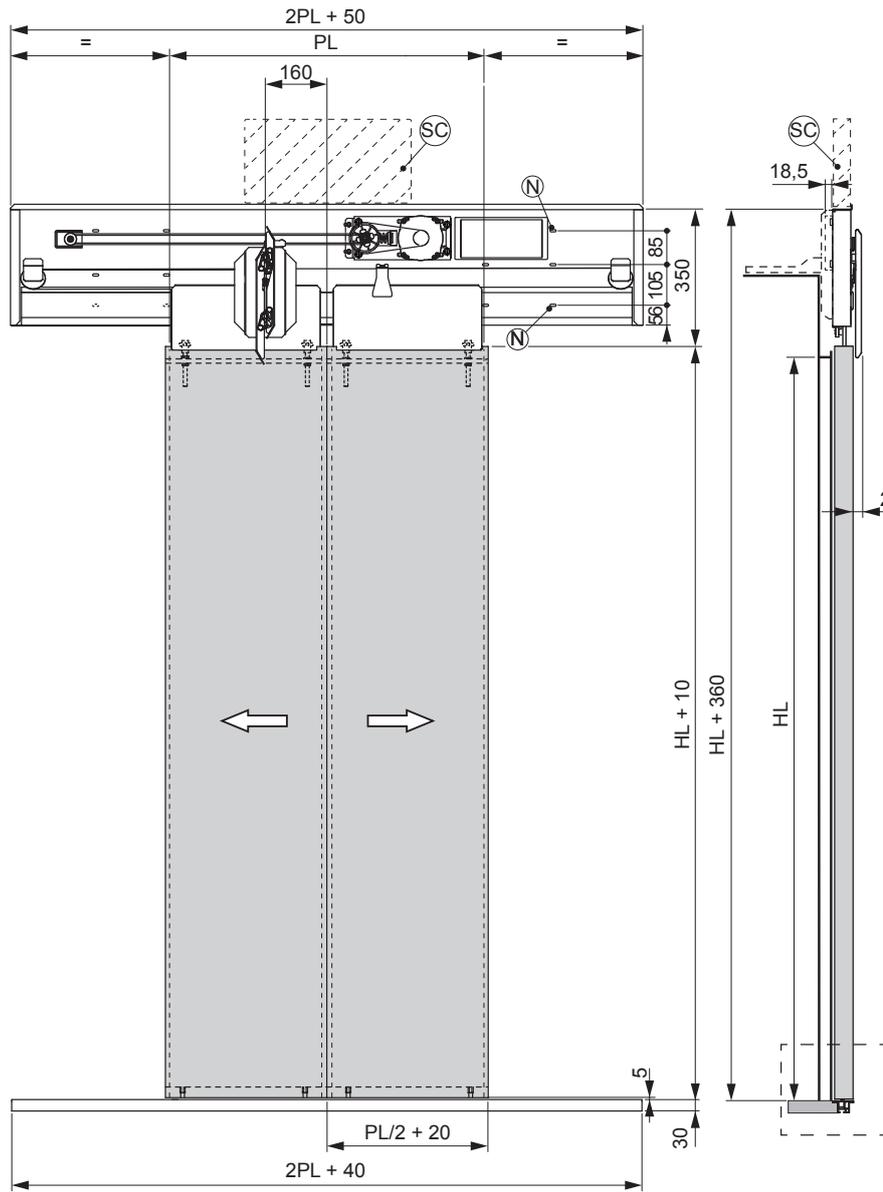


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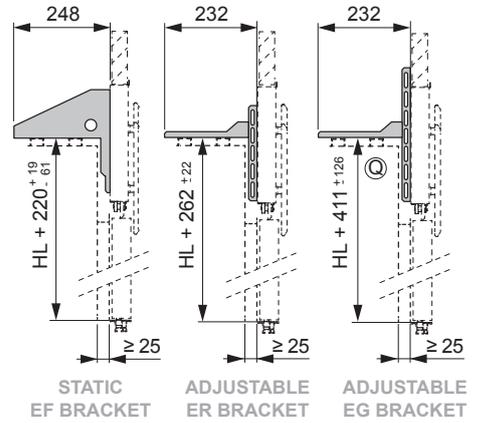
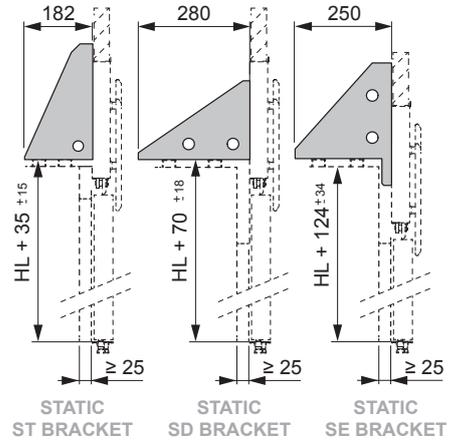
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Technical drawing 2 panel centre parting door

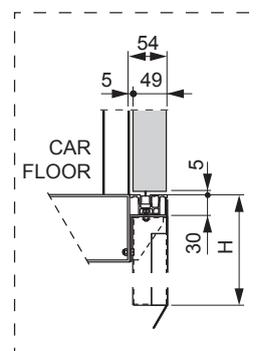
54 mm sill
(PL 1.450 - 2.400)



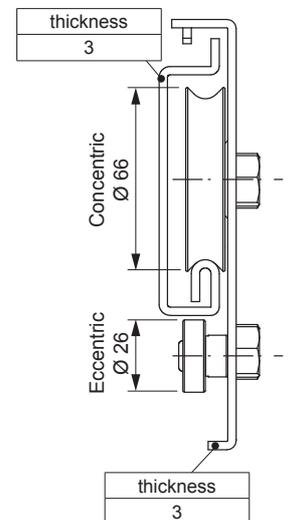
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS

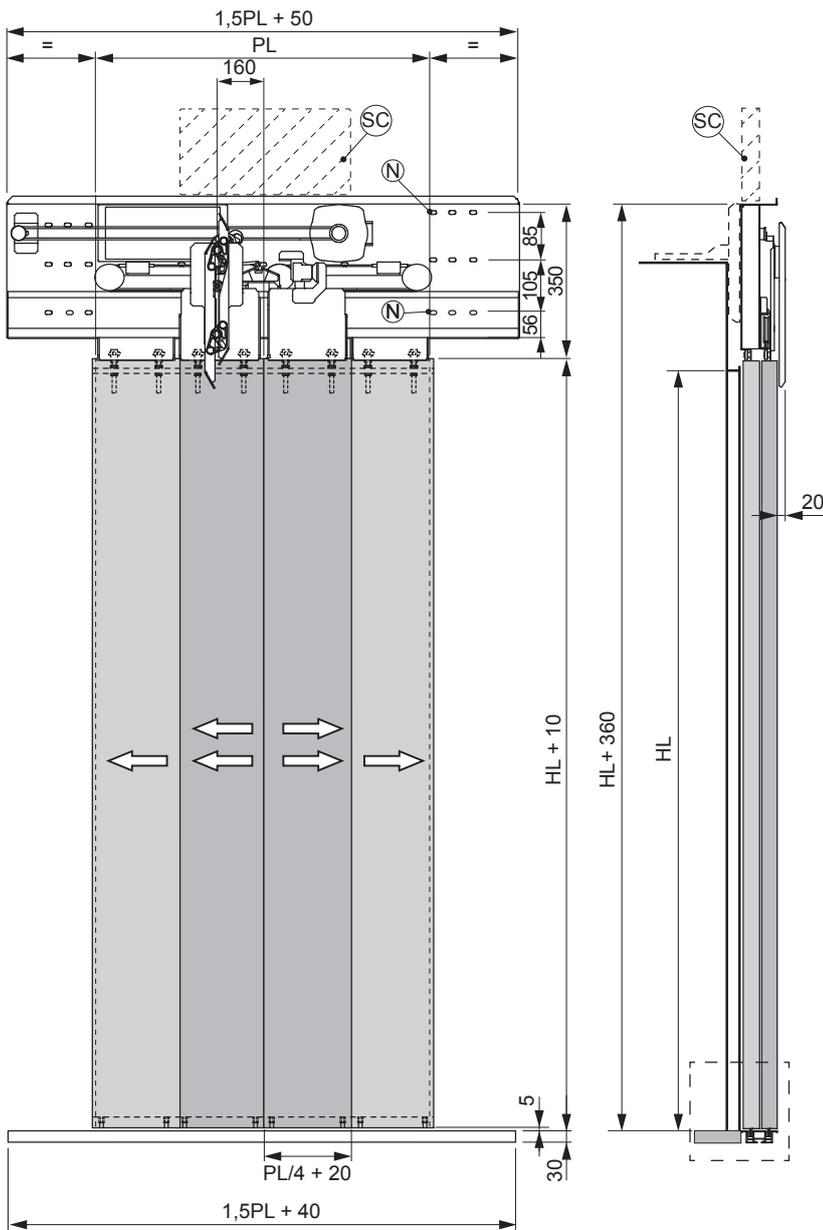


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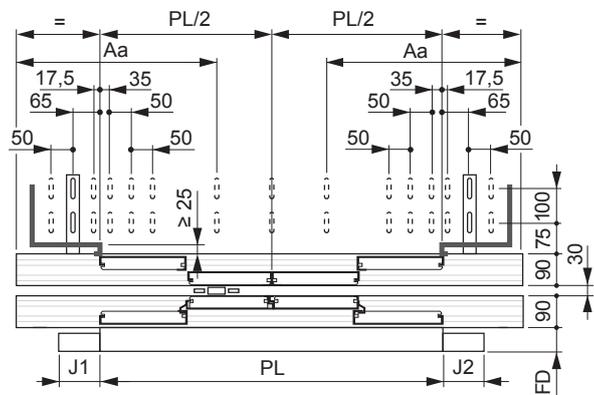
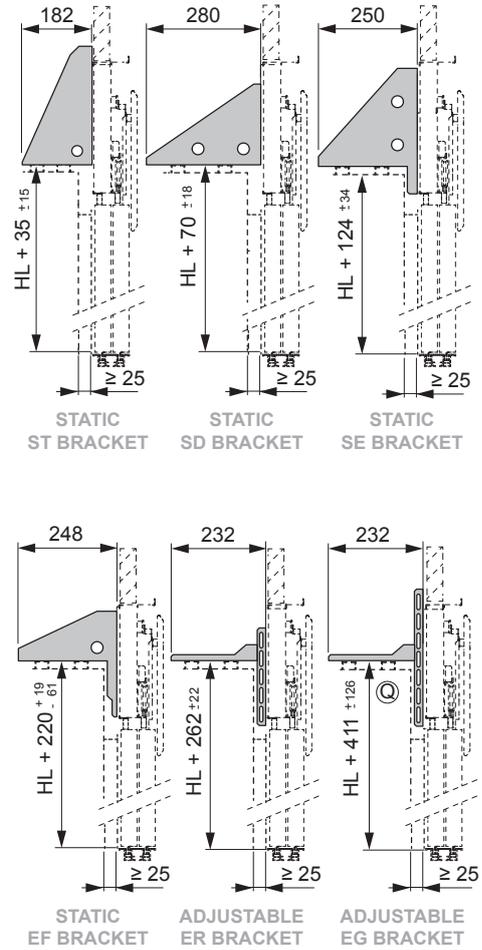
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Technical drawing 4 panel centre parting door

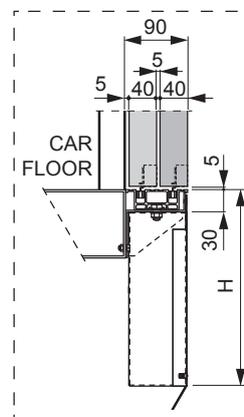
90 mm sill
Single coupling system (PL 900 - 1.150)



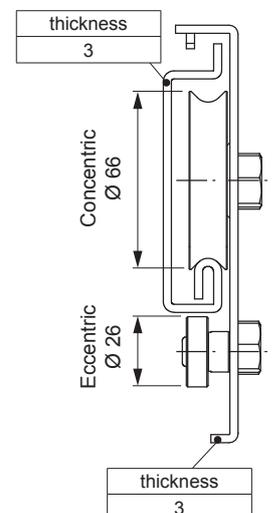
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS



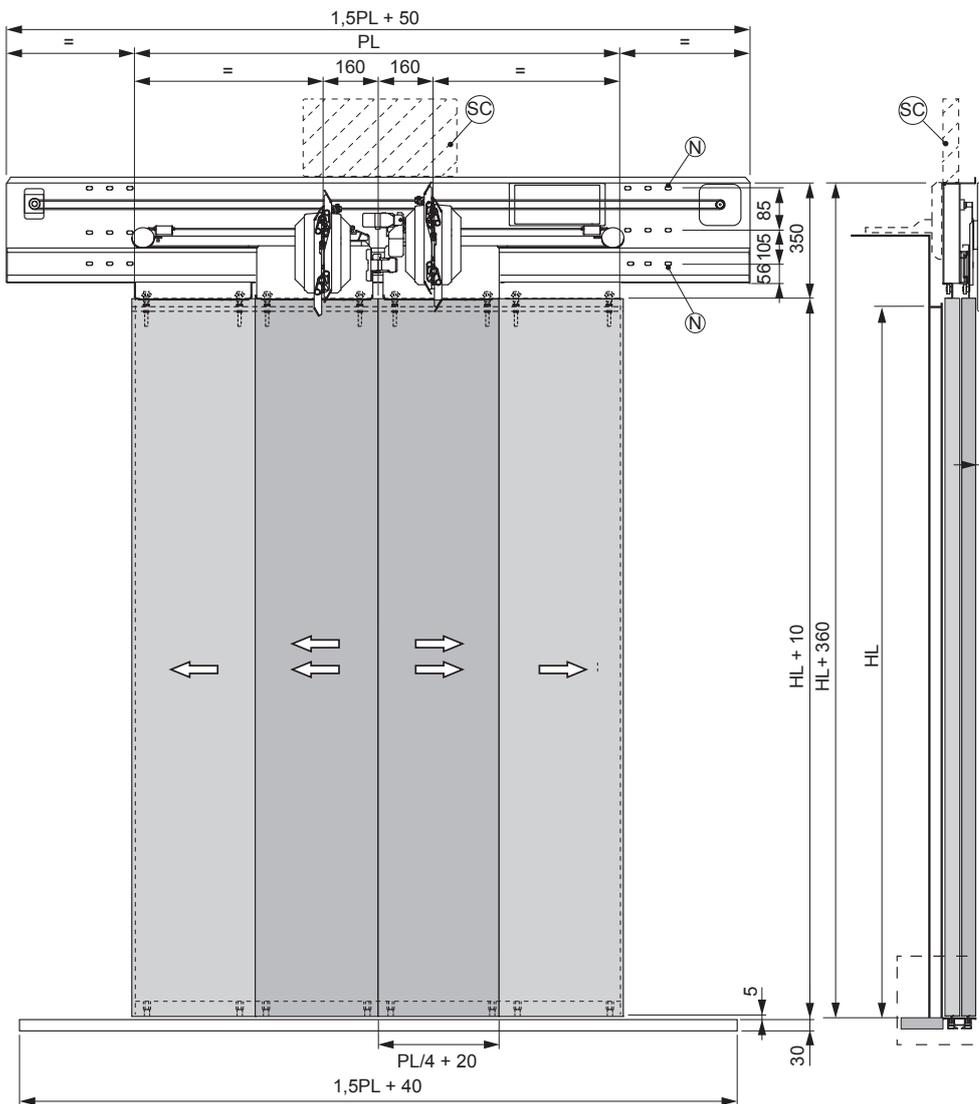
PL	900	950	1.000	1.050	1.100	1.150
Aa	551,50	576,50	601,50	626,50	651,50	676,50

Notes:

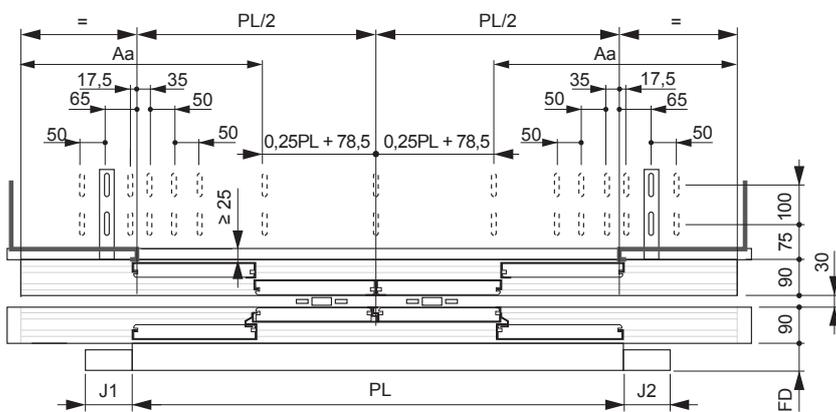
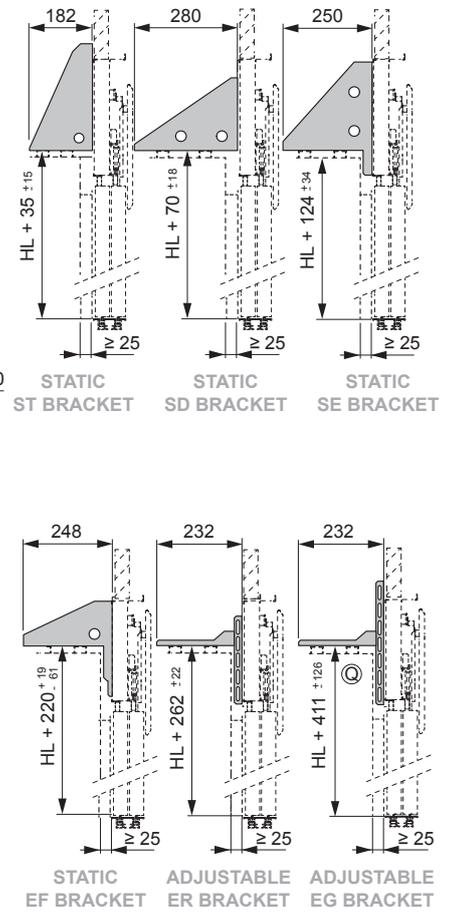
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Technical drawing 4 panel centre parting door

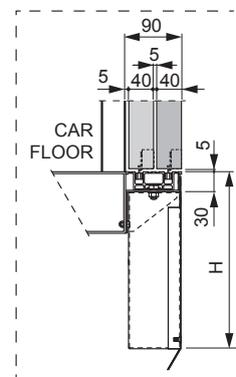
90 mm sill
Double coupling system (PL 1.200 - 1.400)



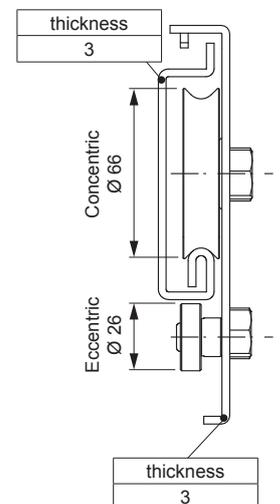
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS



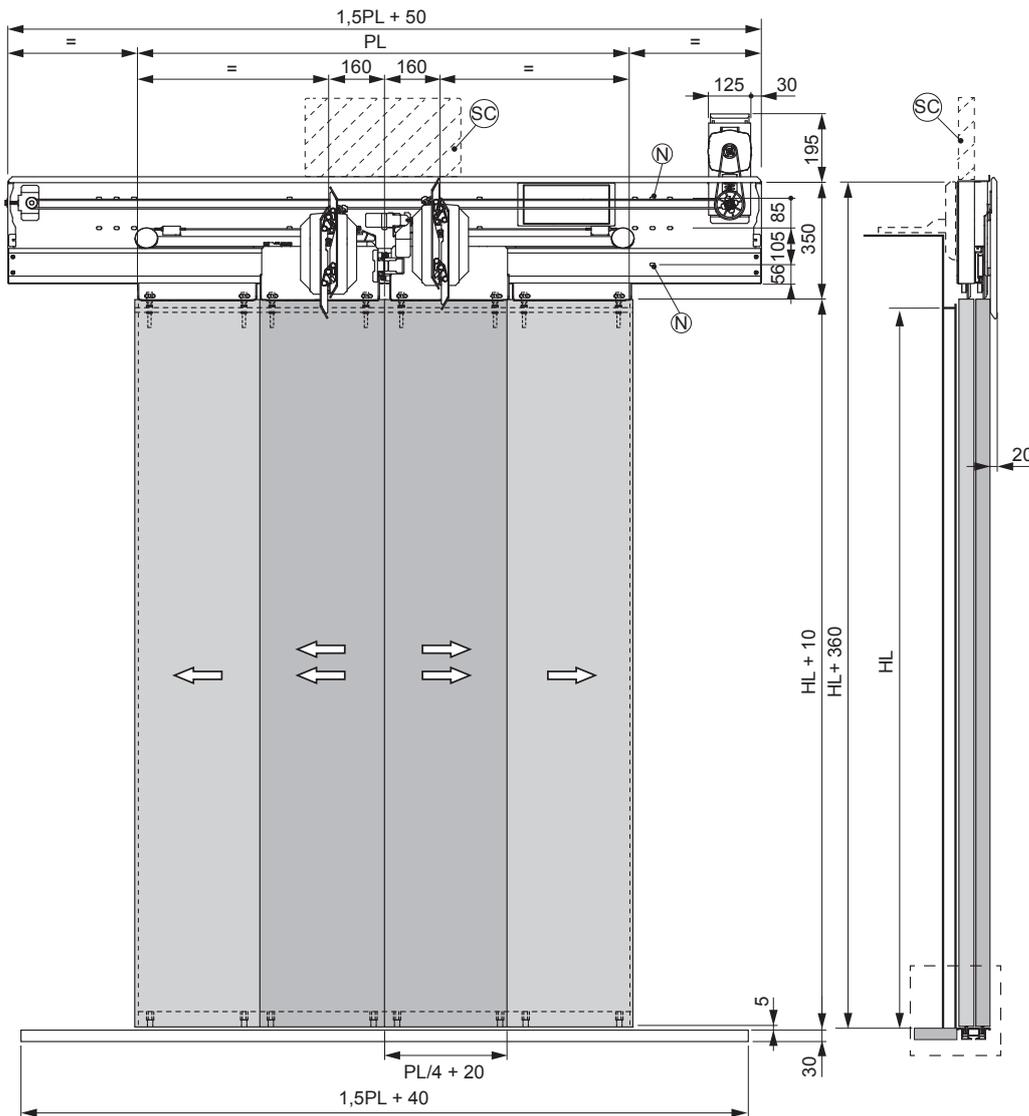
PL	1.200	1.250	1.300	1.350	1.400
Aa	701,50	726,50	751,50	776,50	801,50

Notes:

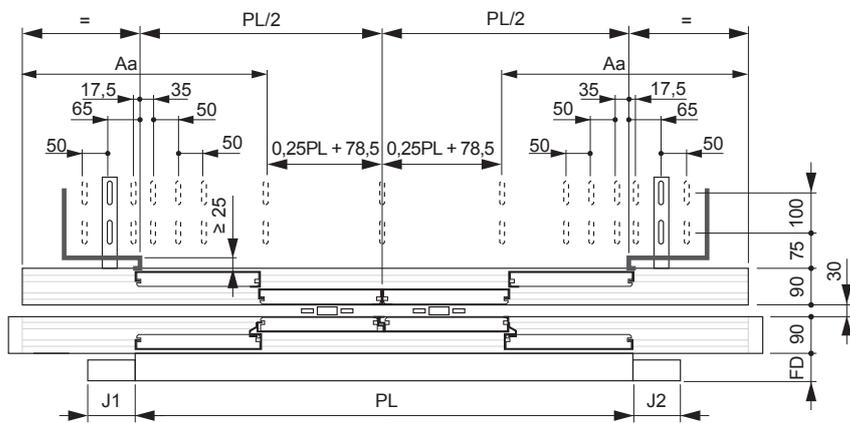
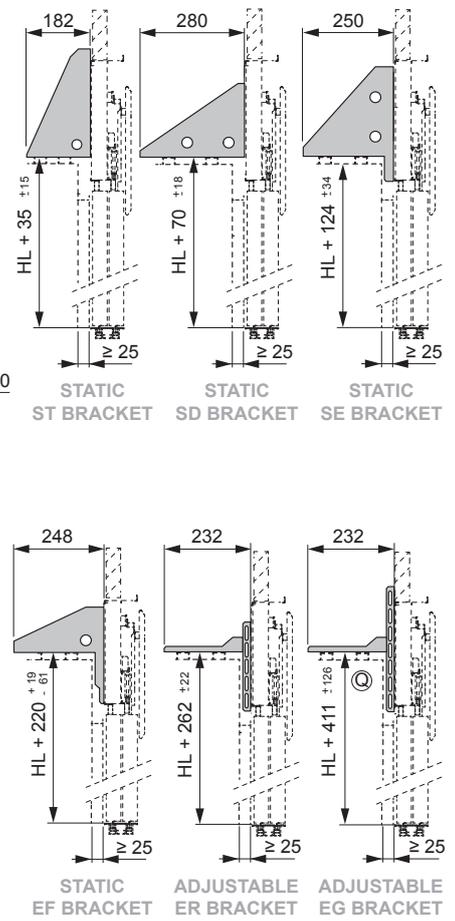
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- FD 25 / 50 / 60.
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Technical drawing 4 panel centre parting door

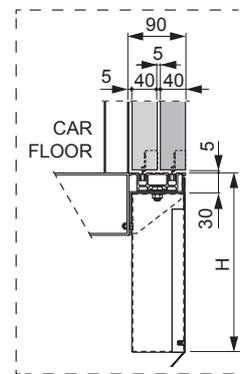
90 mm sill
Double coupling system (PL 1.450 - 2.000)



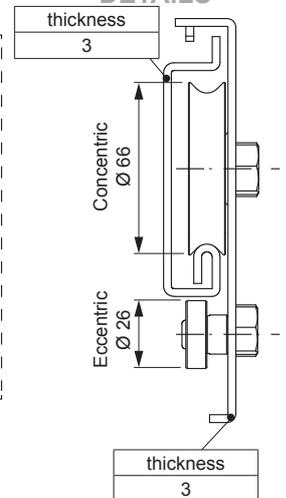
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS



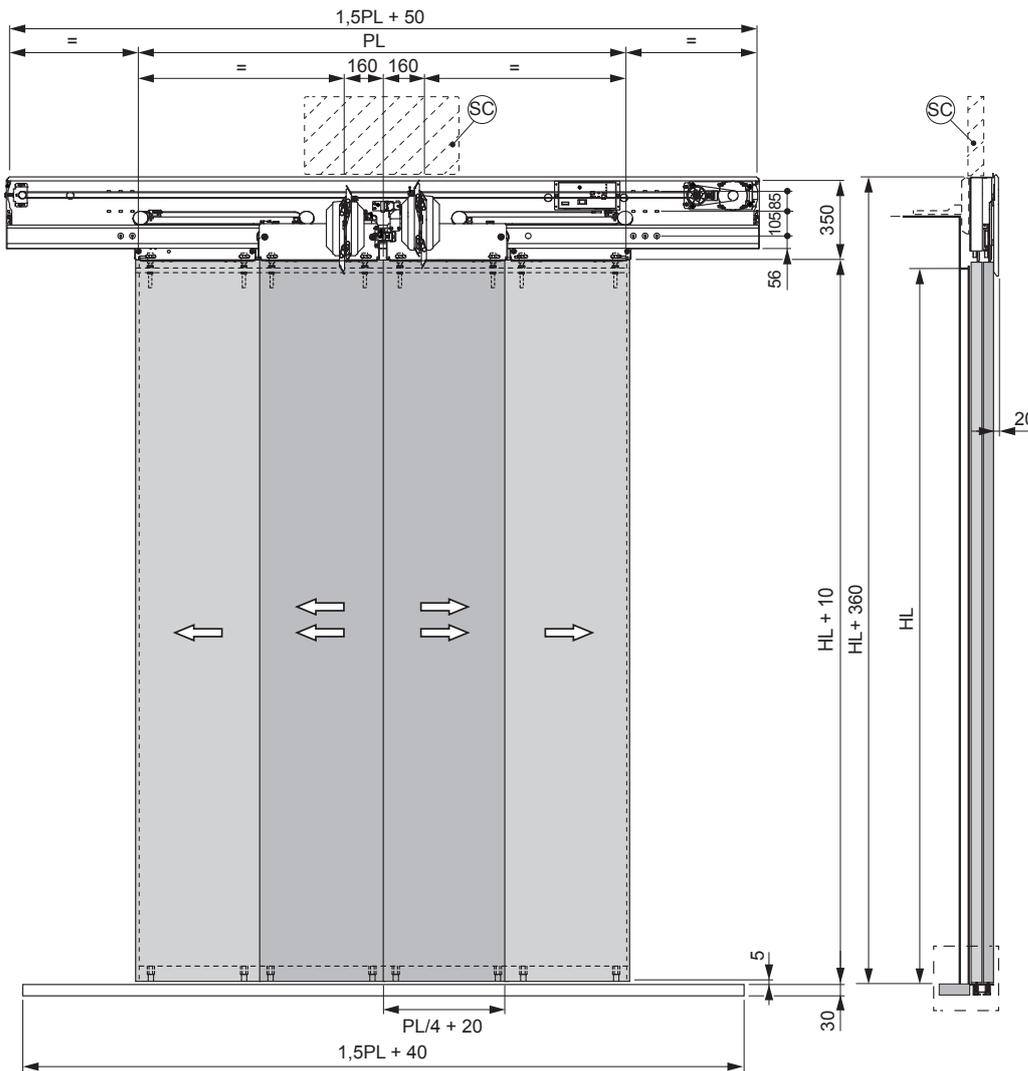
PL	1.450	1.500	1.550	1.600	1.650	1.700	1.750	1.800	1.850	1.900	1.950	2.000
Aa	826,50	851,50	876,50	901,50	926,50	951,50	976,50	1.000,50	1.026,50	1.051,50	1.076,50	1.101,50

Notes:

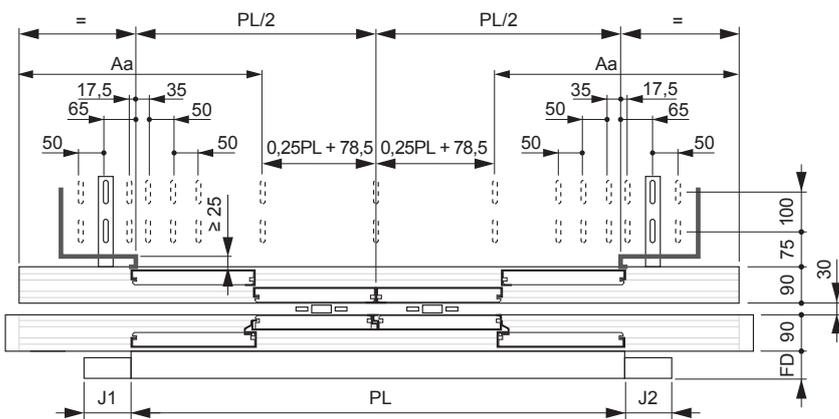
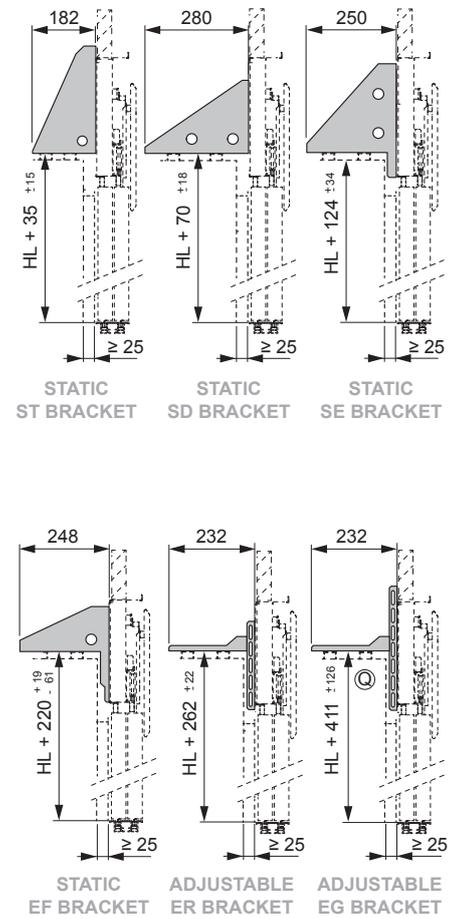
- N Recommended vertical fixing point for brackets.
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- FD 25 / 50 / 60.
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Technical drawing 4 panel centre parting door

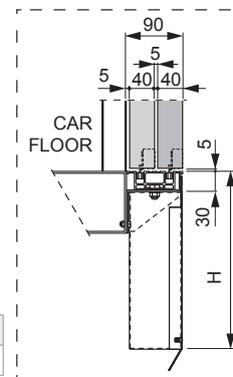
90 mm sill
Double coupling system (PL 2.050 - 3.000)



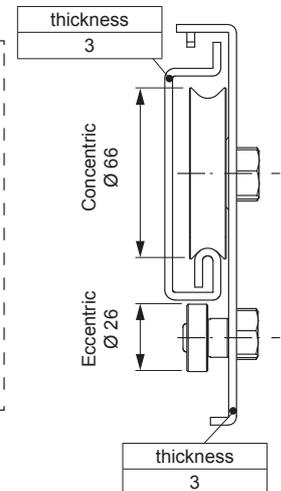
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS



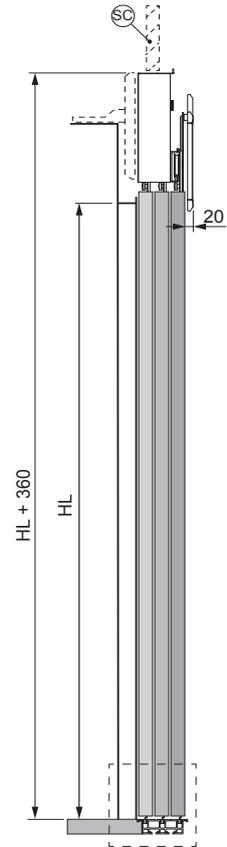
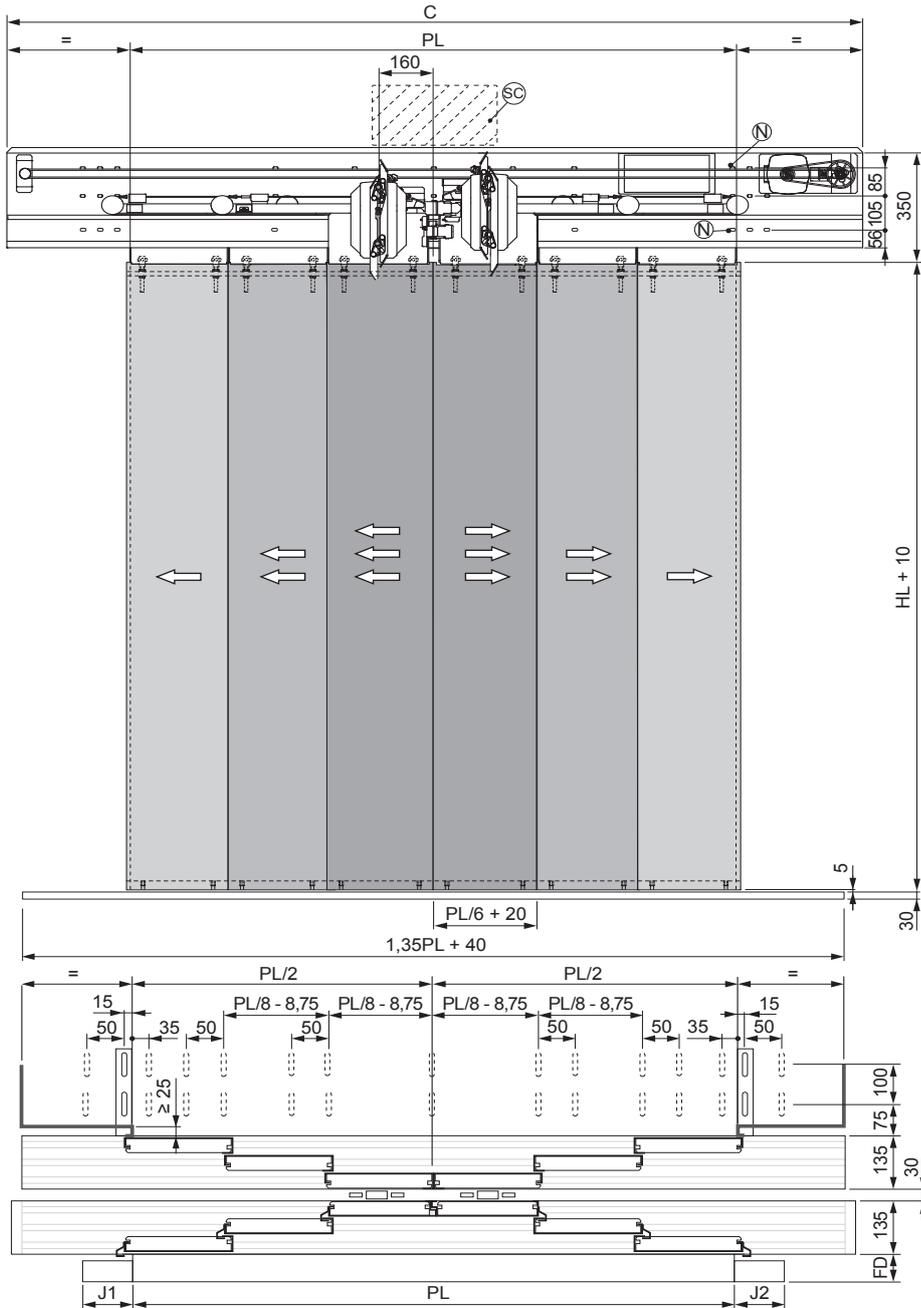
PL	2.050	2.100	2.150	2.200	2.250	2.300	2.350	2.400	2.450	2.500
Aa	1.126,50	1.151,50	1.176,50	1.201,50	1.226,50	1.251,50	1.276,50	1.301,50	1.326,50	1.351,50
PL	2.550	2.600	2.650	2.700	2.750	2.800	2.850	2.900	2.950	3.000
Aa	1.376,50	1.401,50	1.426,50	1.451,50	1.476,50	1.501,50	1.526,50	1.551,50	1.576,50	1.601,50

Notes:

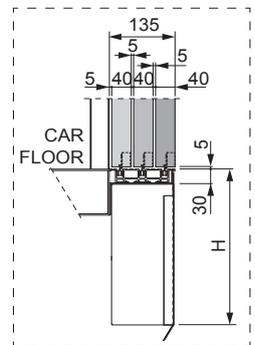
- N Recommended vertical fixing point for brackets.
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Technical drawing 6 panel centre parting door

135 mm sill

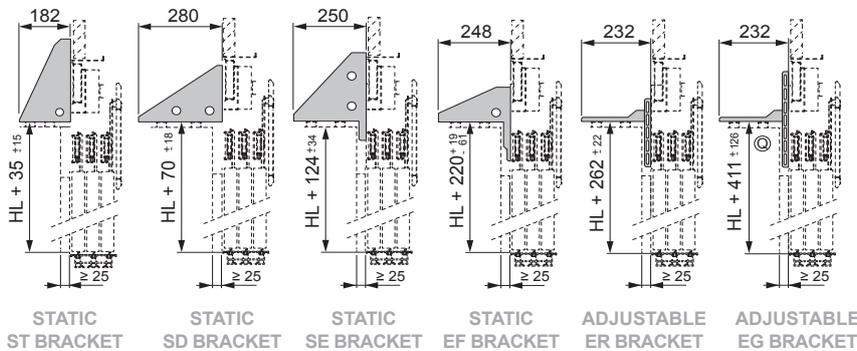


SILL DETAIL



MECHANICAL DETAILS

FIXING BRACKET RANGE



STATIC ST BRACKET STATIC SD BRACKET STATIC SE BRACKET STATIC EF BRACKET ADJUSTABLE ER BRACKET ADJUSTABLE EG BRACKET

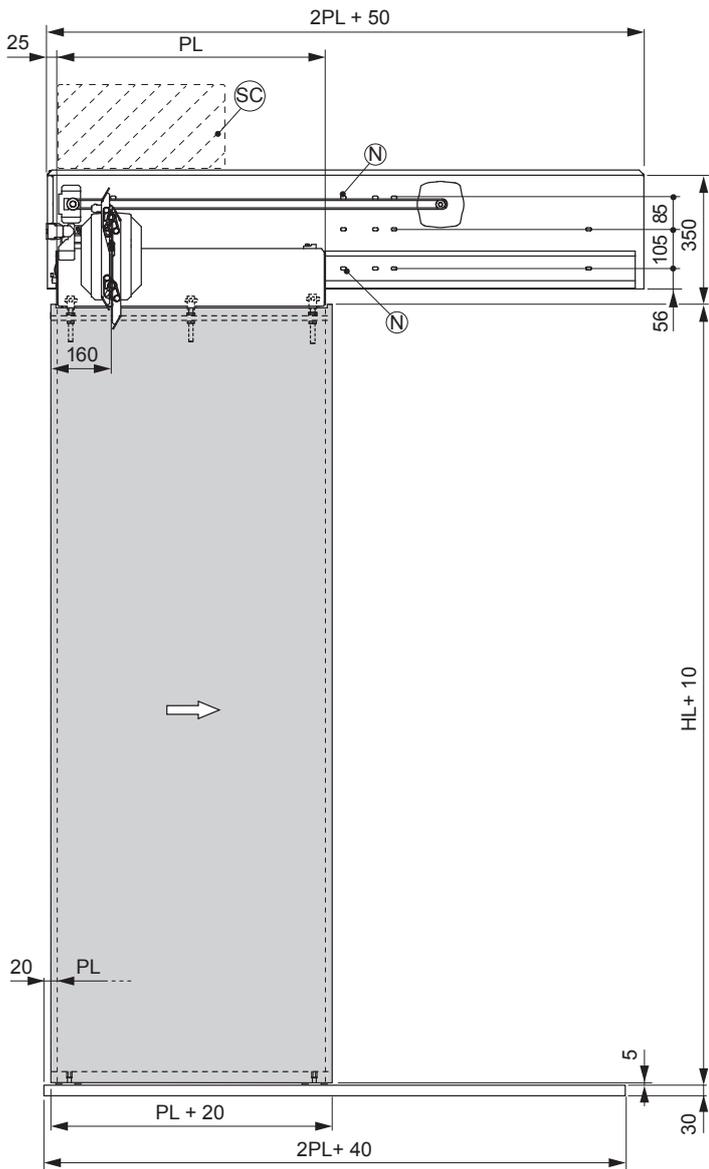
	PL	1.600	1.650	1.700	1.750	1.800	1.850	1.900	1.950	2.000	2.050	2.100	2.150	2.200	2.250	2.300
C	2.196	2.246	2.346	2.396	2.446	2.546	2.596	2.646	2.746	2.796	2.846	2.946	2.996	3.046	3.046	3.146
PL	2.350	2.400	2.450	2.500	2.550	2.600	2.650									
C	3.196	3.246	3.346	3.396	3.446	3.546	3.596									
PL	2.700	2.750	2.800	2.850	2.900	2.950	3.000									
C	3.646	3.746	3.796	3.846	3.946	3.996	4.046									

Notes:

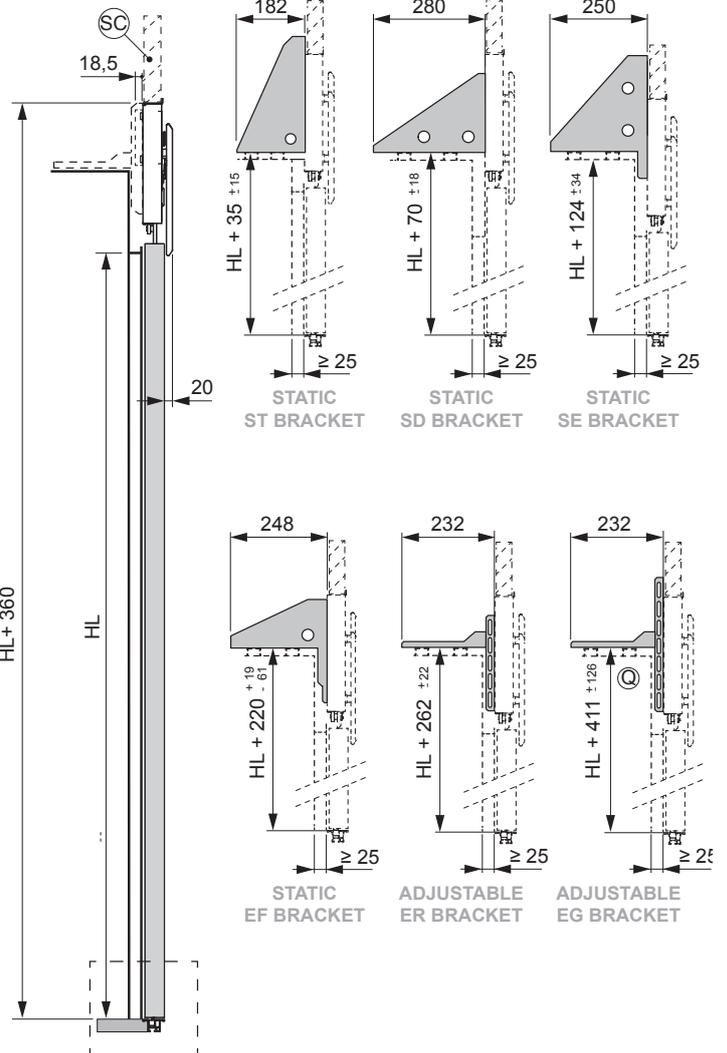
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Technical drawing 1 panel side opening door

54 mm sill

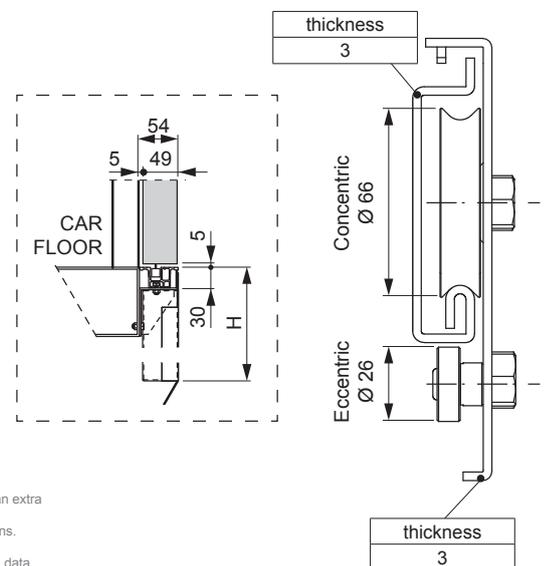
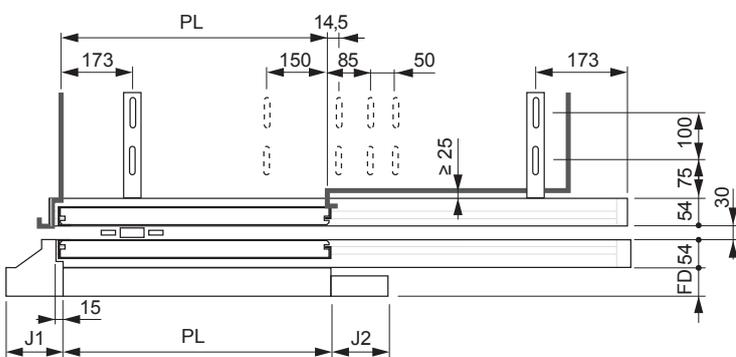


FIXING BRACKET RANGE



SILL DETAIL

MECHANICAL DETAILS

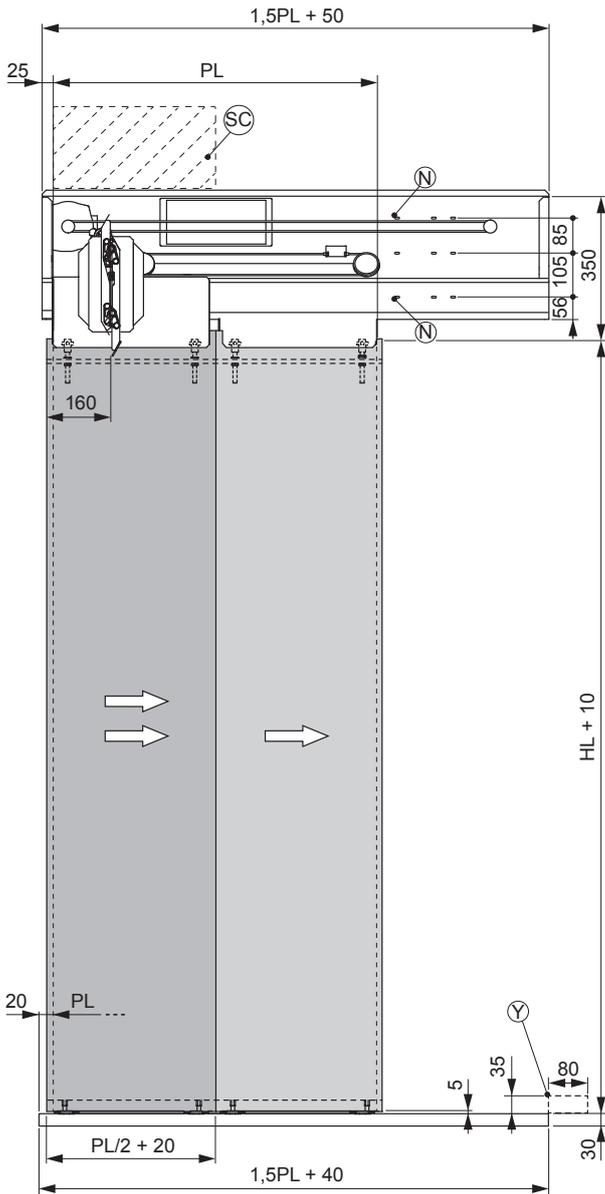


Notes:

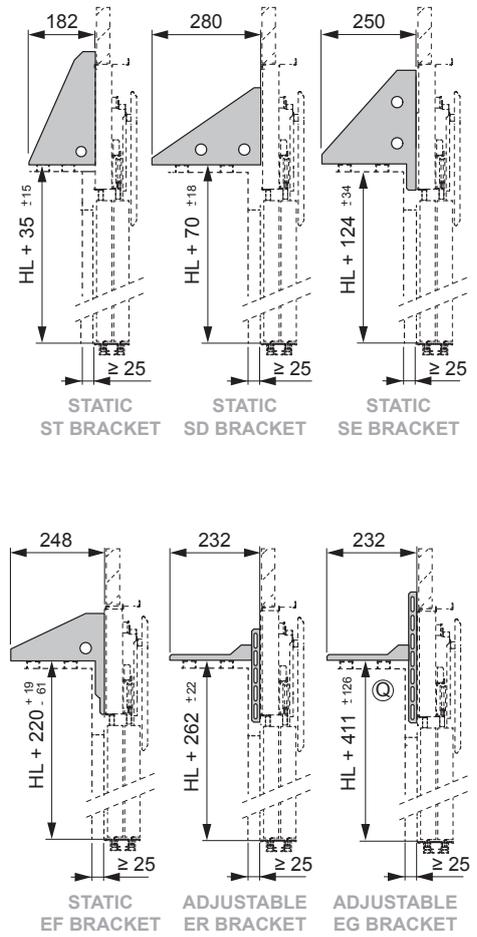
- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 25 / 50 / 60.
- SC See support configuration section at the end of this technical data sheet.
- If not otherwise indicated all dimensions in mm.

Technical drawing 2 panel side opening door

90 mm sill

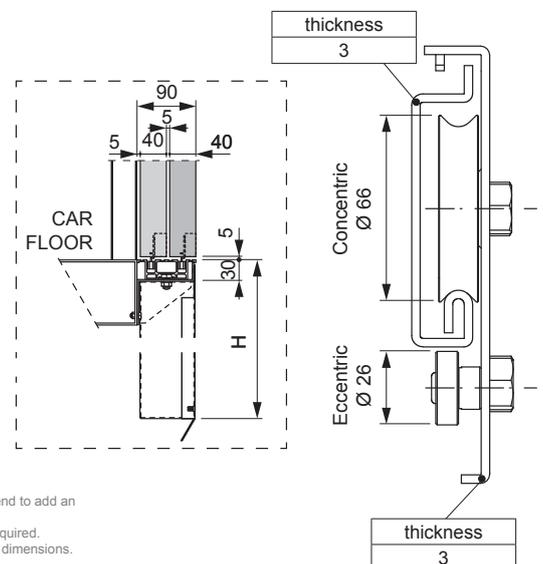
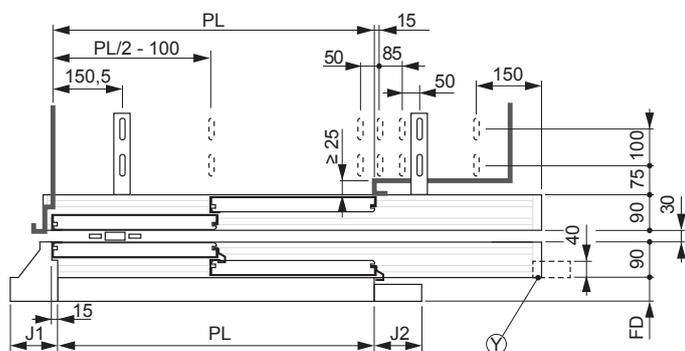


FIXING BRACKET RANGE



SILL DETAIL

MECHANICAL DETAILS

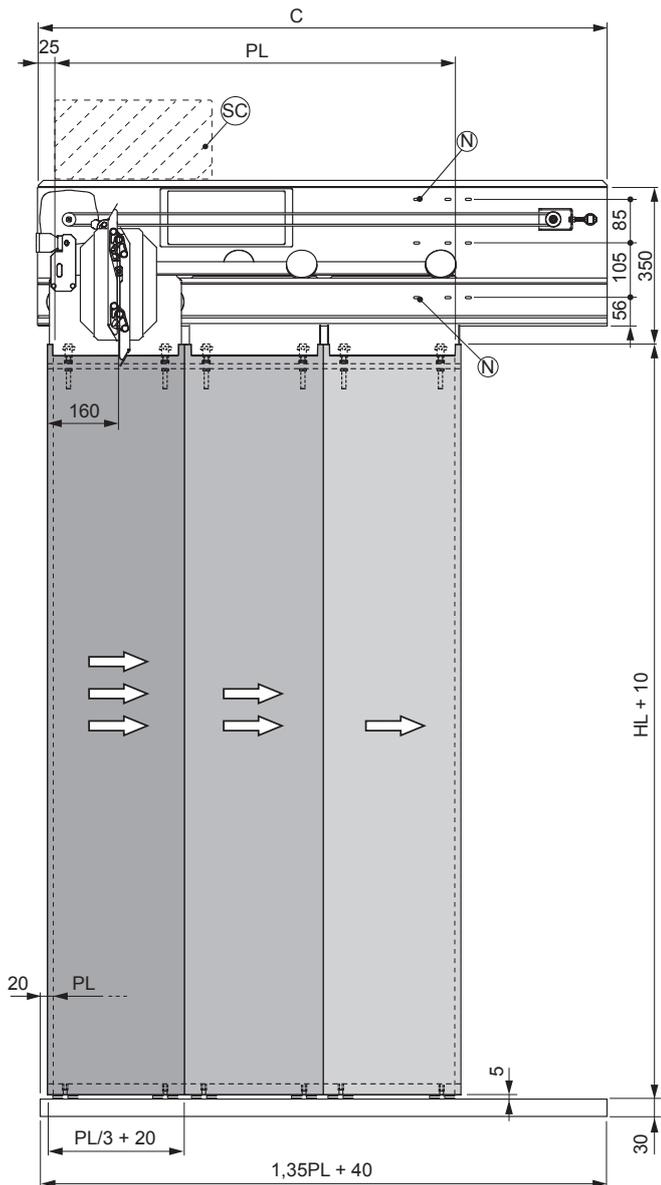


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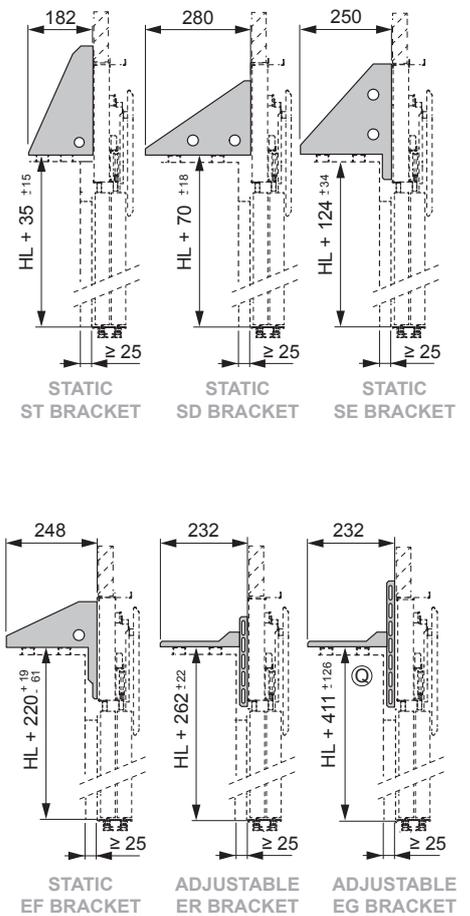
- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- Y With optional steel hidden sill this extra space is required.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 25 / 50 / 60.
- SC See support configuration section at the end of this technical data sheet.
- If not otherwise indicated all dimensions in mm.

Technical drawing 3 panel side opening door

135 mm sill

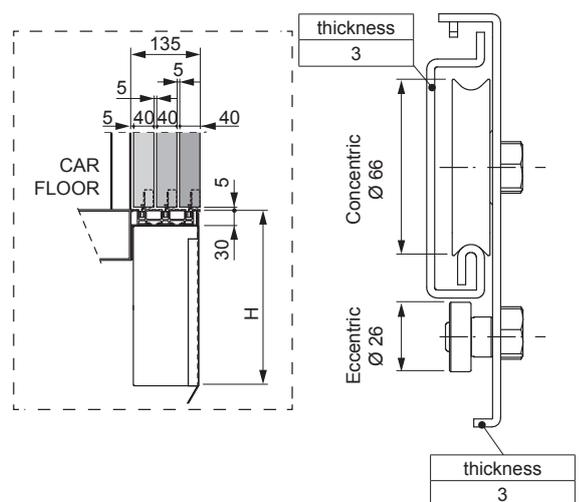


FIXING BRACKET RANGE



SILL DETAIL

MECHANICAL DETAILS



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.

J1 - J2 See landing door technical data sheet for available dimensions.

FD 25 / 50 / 60.

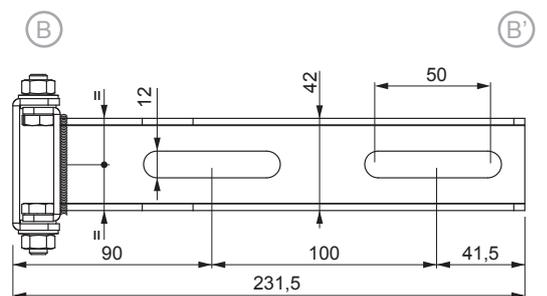
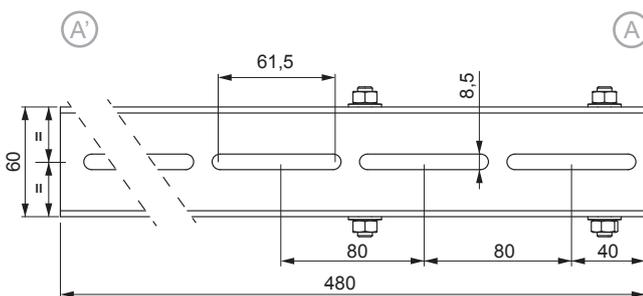
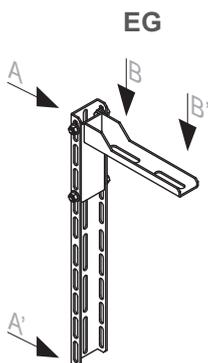
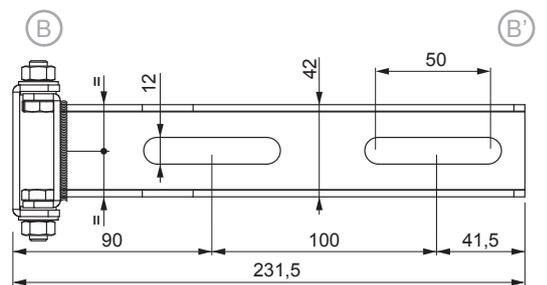
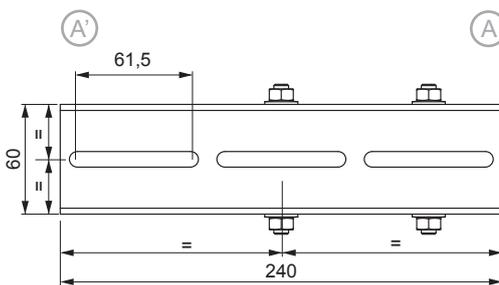
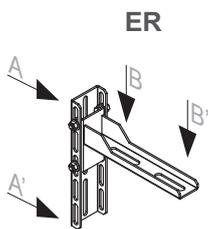
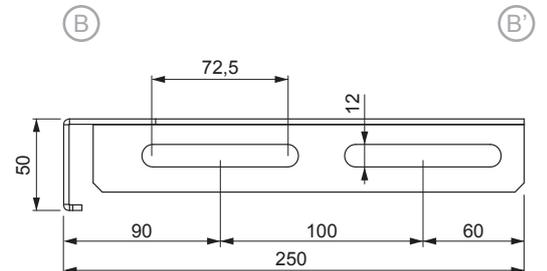
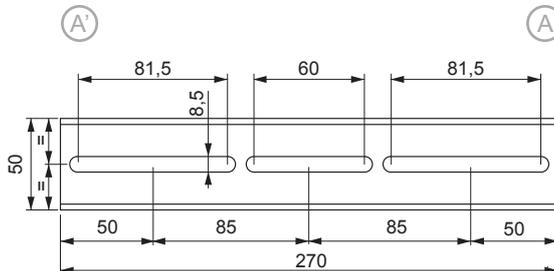
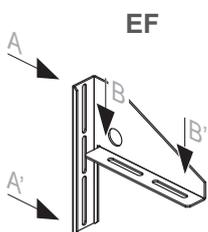
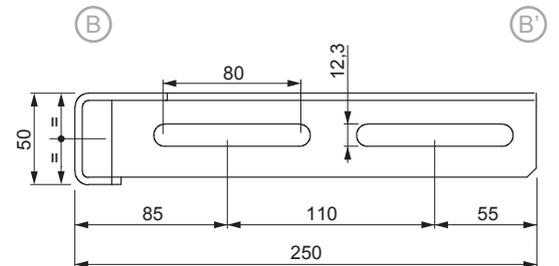
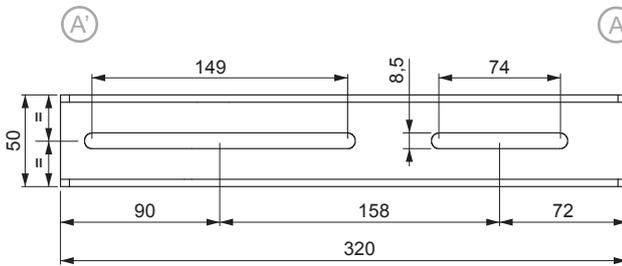
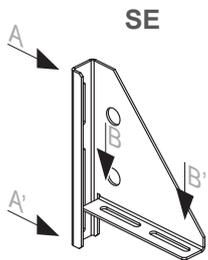
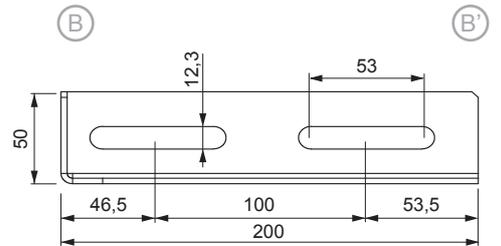
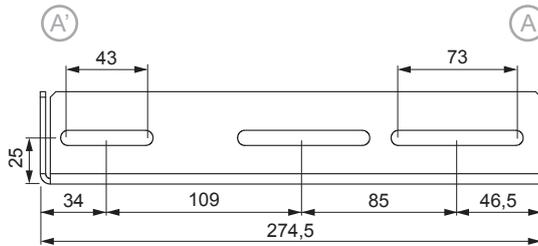
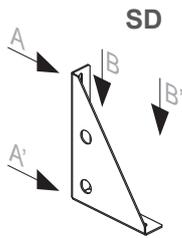
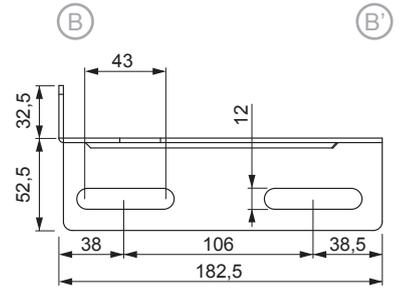
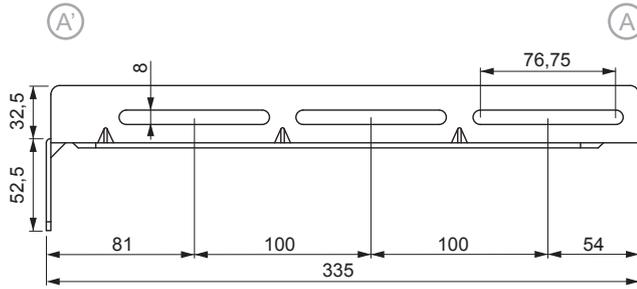
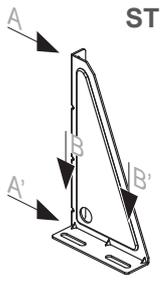
SC See support configuration section at the end of this technical data sheet.

- If not otherwise indicated all dimensions in mm.

PL	700	750	800	850	900	950	1.000	1.050	1.100
Aa	245	260	275	295	310	325	345	360	375
C	995	1.060	1.125	1.195	1.260	1.325	1.395	1.460	1.525
PL	1.150	1.200	1.250	1.300	1.350	1.400	1.450	1.500	1.550
Aa	395	410	425	445	460	475	495	510	525
C	1.595	1.660	1.725	1.795	1.860	1.925	1.995	2.060	2.125
PL	1.600	1.650	1.700	1.750	1.800	1.850	1.900	1.950	2.000
Aa	545	560	575	595	610	625	645	660	675
C	2.195	2.260	2.325	2.395	2.460	2.525	2.595	2.660	2.725

fermator
AUTOMATIC DOORS FOR LIFTS

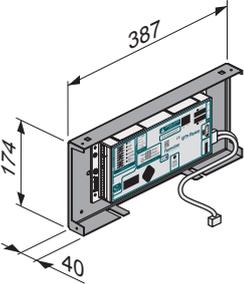
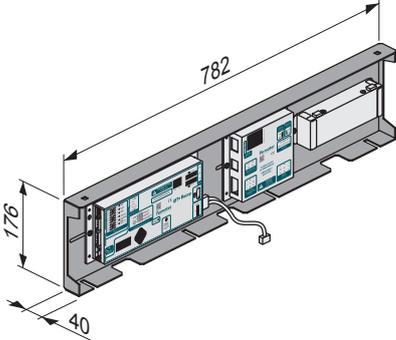
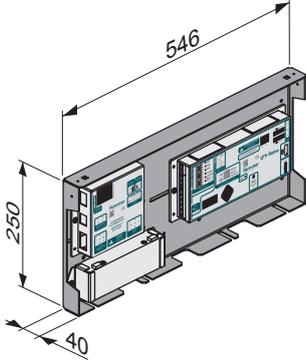
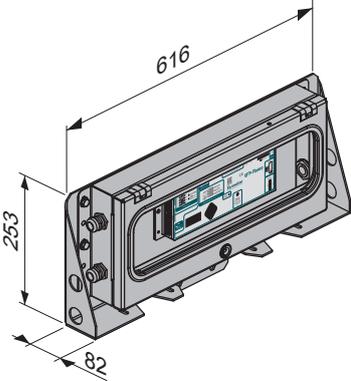
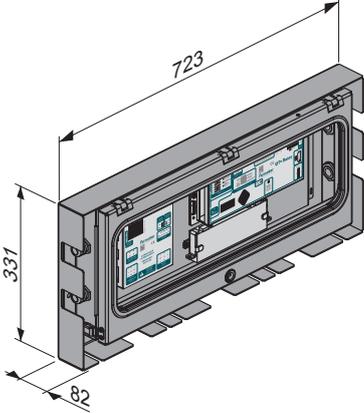
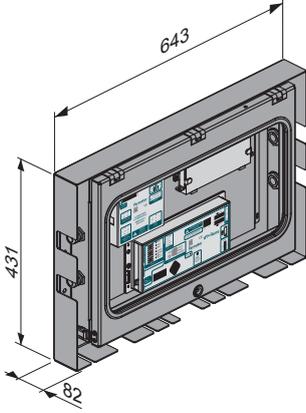
Operator fixing bracket



fermator
AUTOMATIC DOORS FOR LIFTS

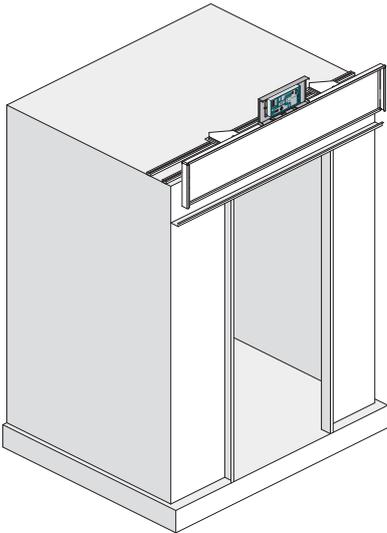
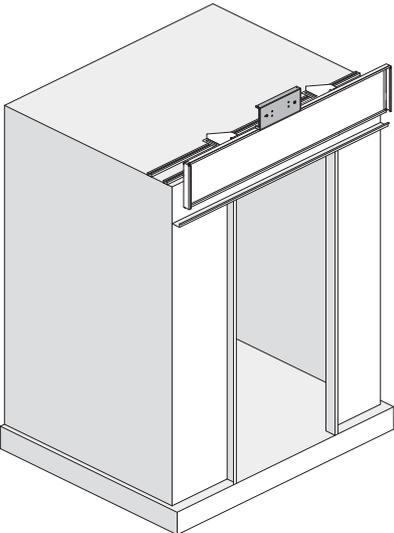
Electronic module support

TYPES OF SUPPORT*

	Only VF circuit	VF circuit with emergency power supply for PL ≥ 800	VF circuit with emergency power supply for PL < 800
Standard execution			
IP54 execution			

* 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 aviable for any type of support.



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