

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				
	Metal sheet ⁽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 T1 - T2 - T3	✓	✓	✗	✗	✗	✓	✓	✓	✓	✗

1 Solid execution option.

SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✓
Heated sill option	✓	✓ ⁽¹⁾	✓	✗	✗
Debris holes	✓	✓	✓	✗	✓
Sill support	✓	✓	✓	✗	✓

1 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	IP21 Protection against a solid foreign body of 12,5 mm or more in diameter and protected against vertically falling drops of water.	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	✓	✓	✓	✗	✗	✗

Available¹.
 Not available.
 Ask the commercial department.

¹Some option combinations may not be possible.

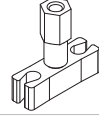
Door configuration

SAFETY DEVICES

Opening	Photocell	Photoelectric barrier		Safety edge	Emergency power supply		
		Static	Dynamic		VF5+ ⁽¹⁾	VF6	VF7
C2 - C4 - C6 T1 - T2 - T3		✓	✓	✗	✓	✓	✓

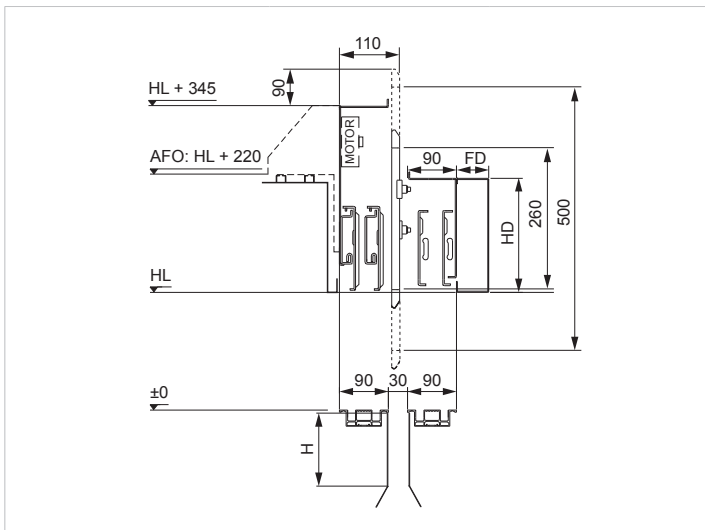
1 Circuit VF5+ compatible with operators without reduction.

PANEL REGULATION SUPPORT AND PANEL GUIDE

Type of panel regulation support	Plus		
Type of panel	Plus	Sill track: 15 mm.	Sill track: 8 mm.
			 (1)  (2)

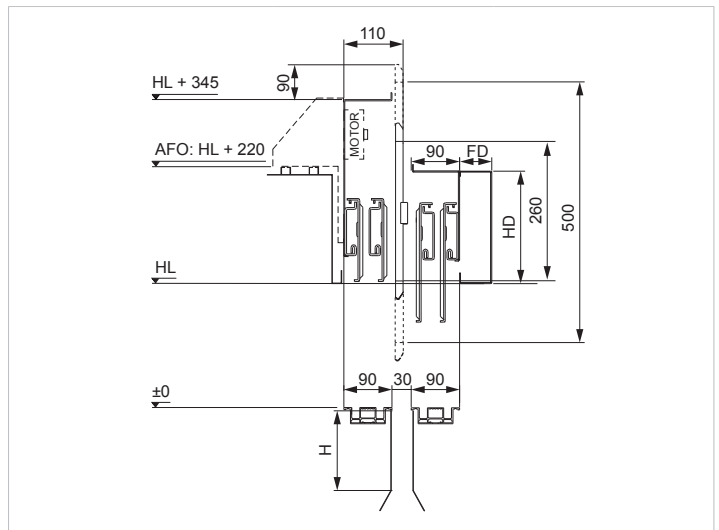
1 Aluminum - reinforced aluminium sills.
2 Steel - massive sills.

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*	750	812 (495)	798 (405)
Thickness	1,5	1,5	1,5
Range	All	650 - 1.200	650 - 1.200

*Contracted toe guard dimension between brackets.
T2 opening shown.
FD 25 / 50 / 60.
HD 80 / 180 / 210.
If not otherwise indicated all dimensions in mm.



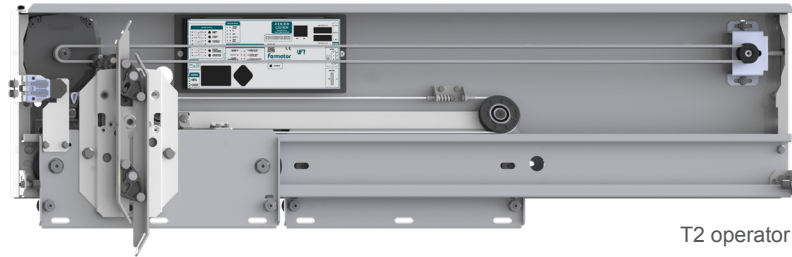
Case	Premium landing door		
Coupling	Asymmetrical clutch	Pre-opening asymmetrical clutch	
Unlocking zone	+102 / -148	+232 / -239	
Toe guard type	Big	2 section	3 section
H*	750	812 (495)	798 (405)
Thickness	1,5	1,5	1,5
Range	All	650 - 1.200	650 - 1.200

*Contracted toe guard dimension between brackets.
T2 opening shown.
FD 25 / 50 / 60.
HD 80 / 180 / 210.
If not otherwise indicated all dimensions in mm.

✓ Available¹. ✗ Not available.  Ask the commercial department.

¹Some 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 and VF7.
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.

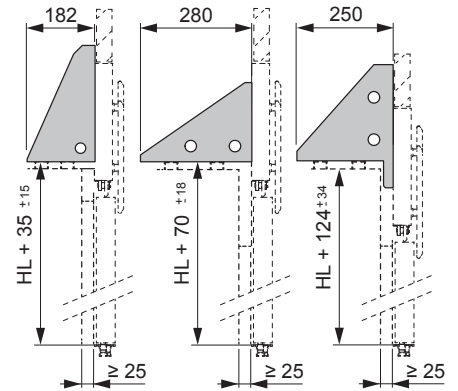
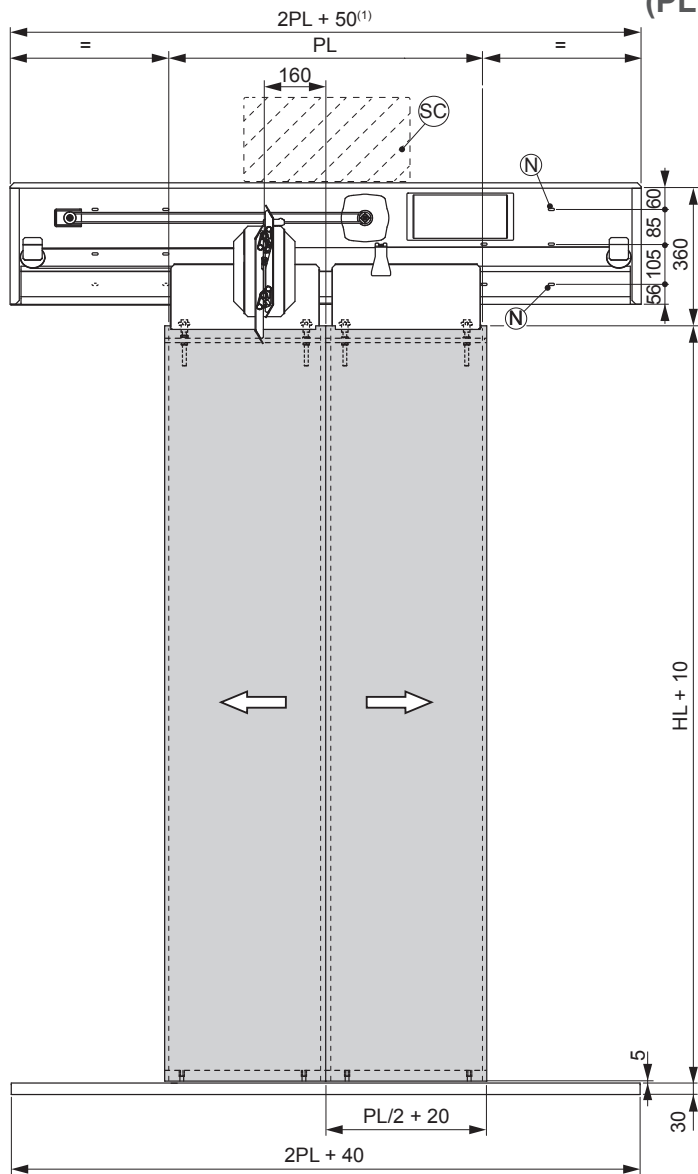
INSTALLATION

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.

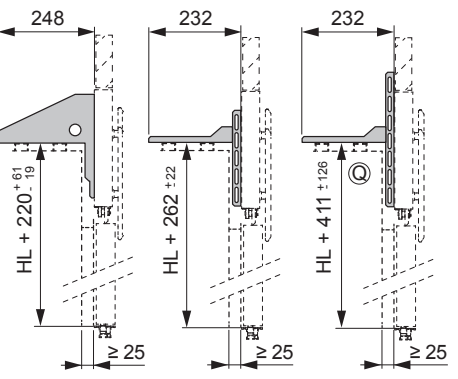
Technical drawing 2 panel centre parting door

54 mm sill
(PL 650)

FIXING BRACKET RANGE



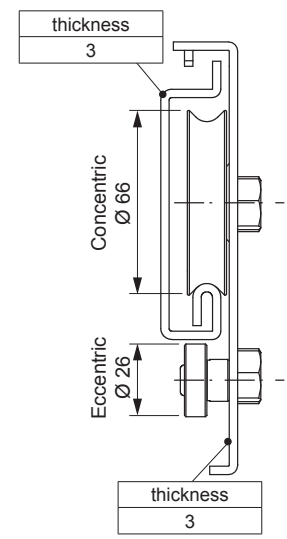
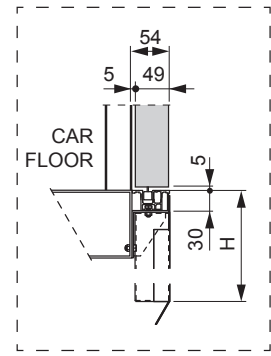
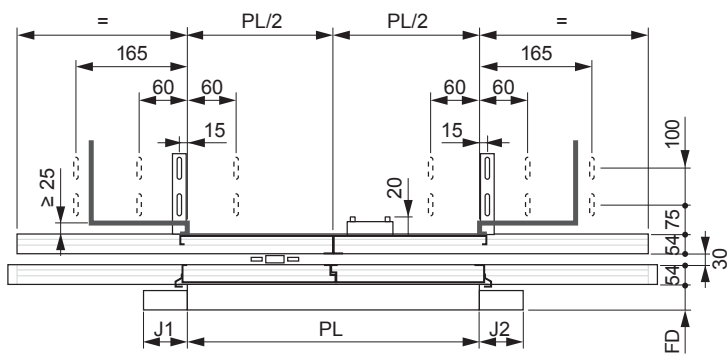
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SILL DETAIL

MECHANICAL DETAILS

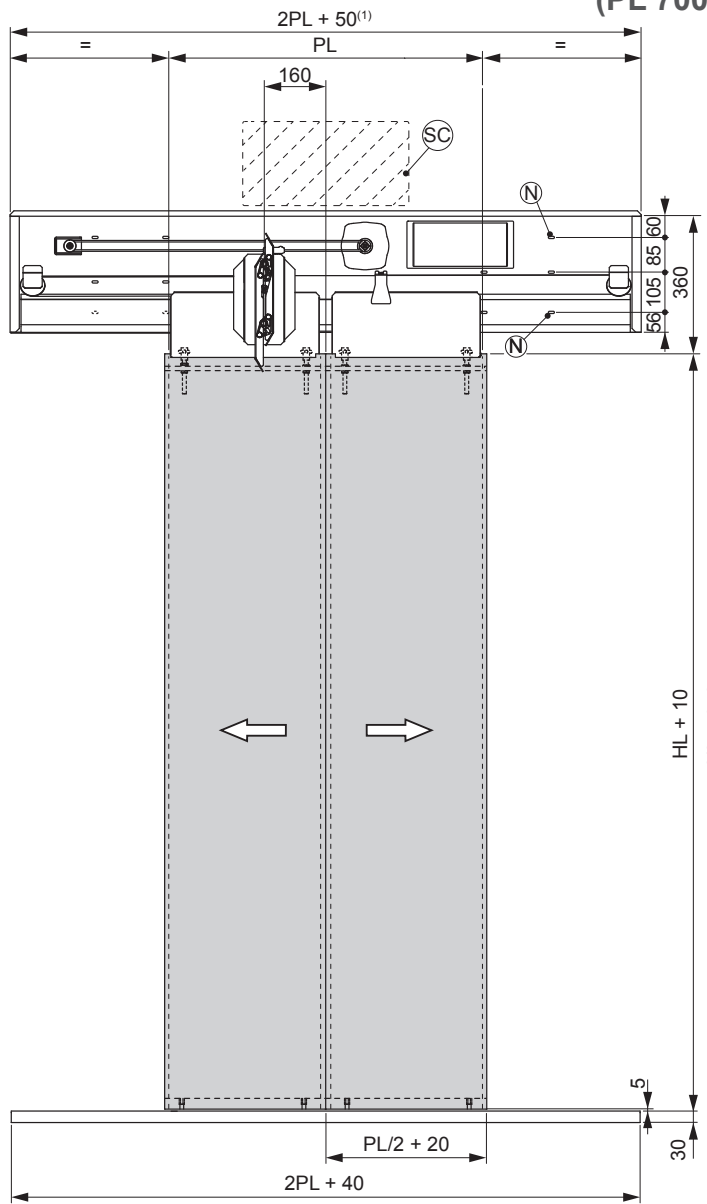


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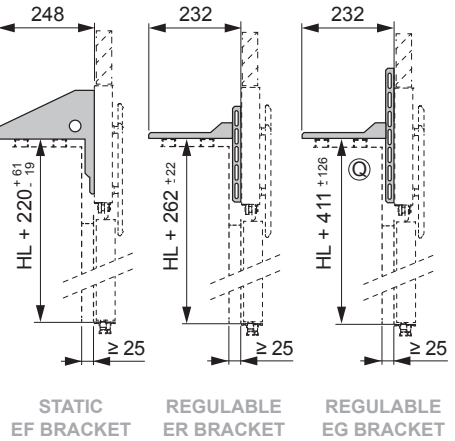
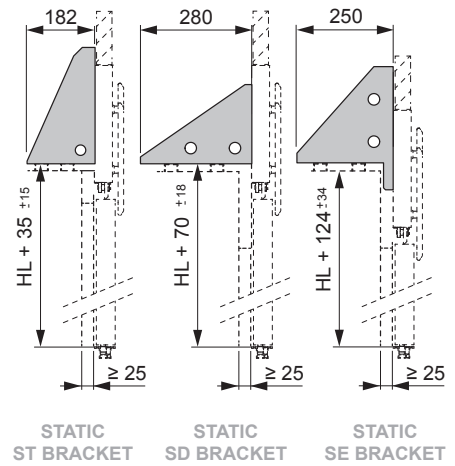
- 1 For PL 650 this dimension is 1.310.
- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 25 / 50 / 60.
- SC See support 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 - 1400)

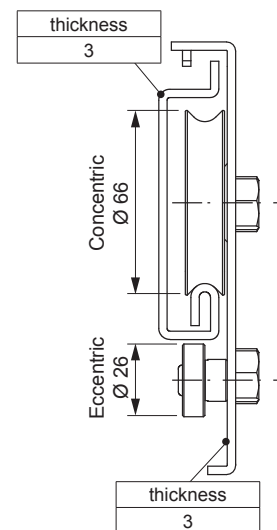
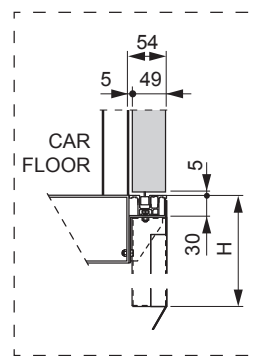
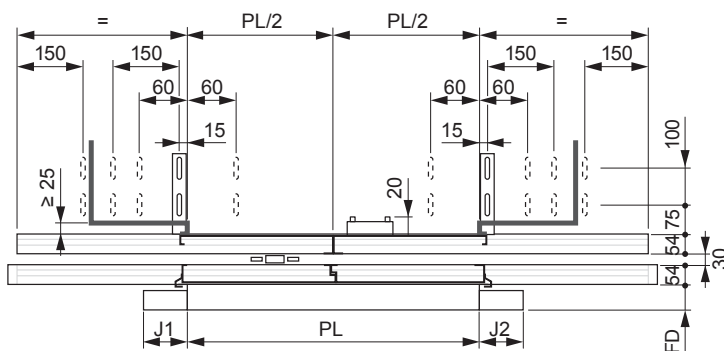


FIXING BRACKET RANGE



SILL DETAIL

MECHANICAL DETAILS

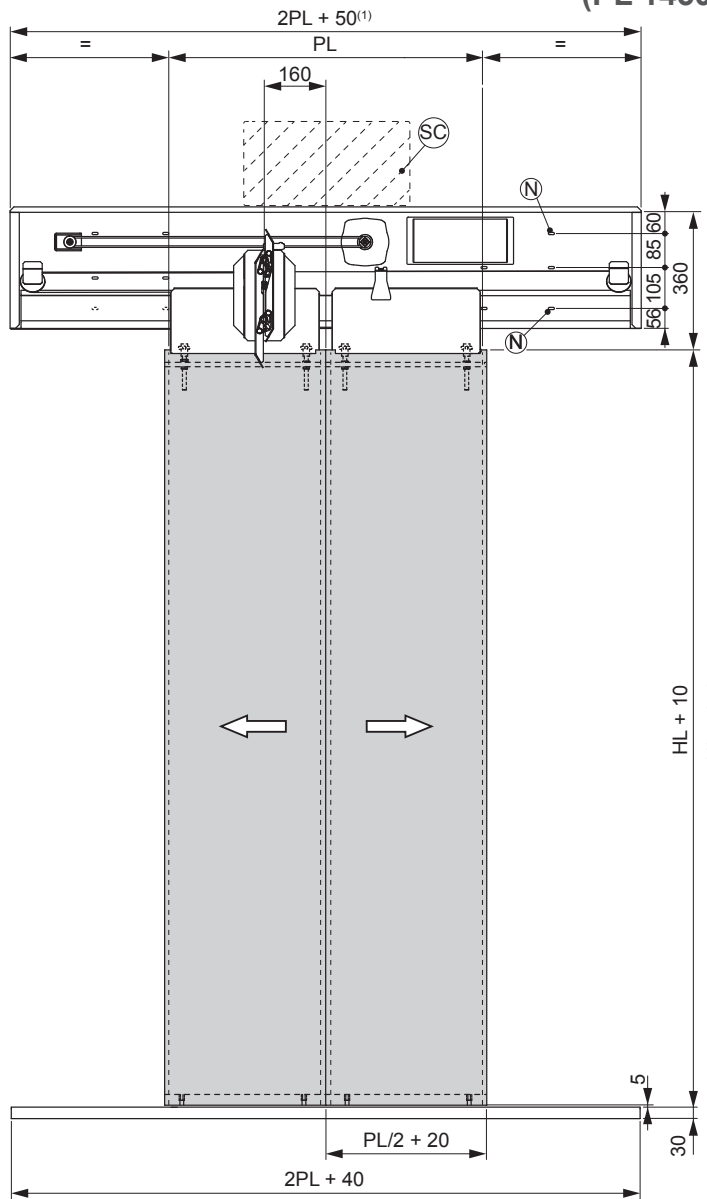


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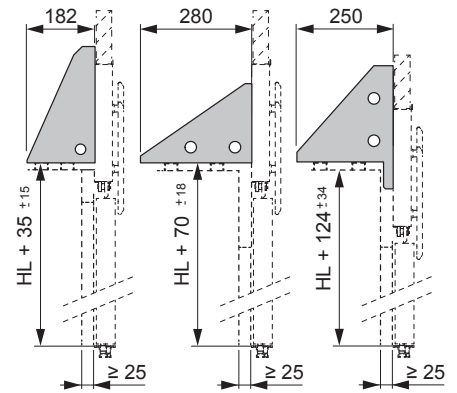
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Technical drawing 2 panel centre parting door

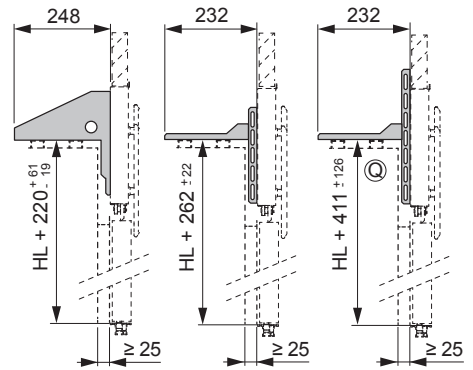
54 mm sill
(PL 1450 - 2.400)



FIXING BRACKET RANGE



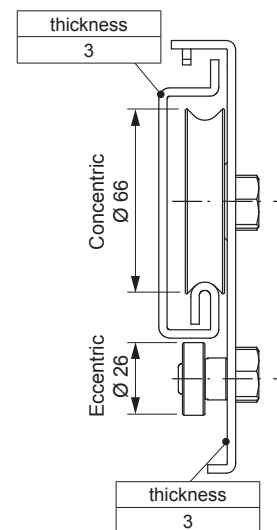
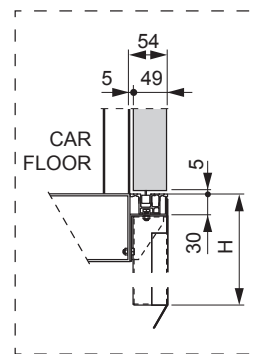
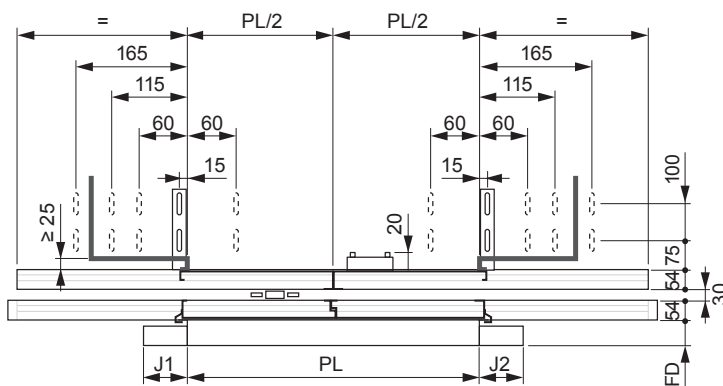
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SILL DETAIL

MECHANICAL DETAILS

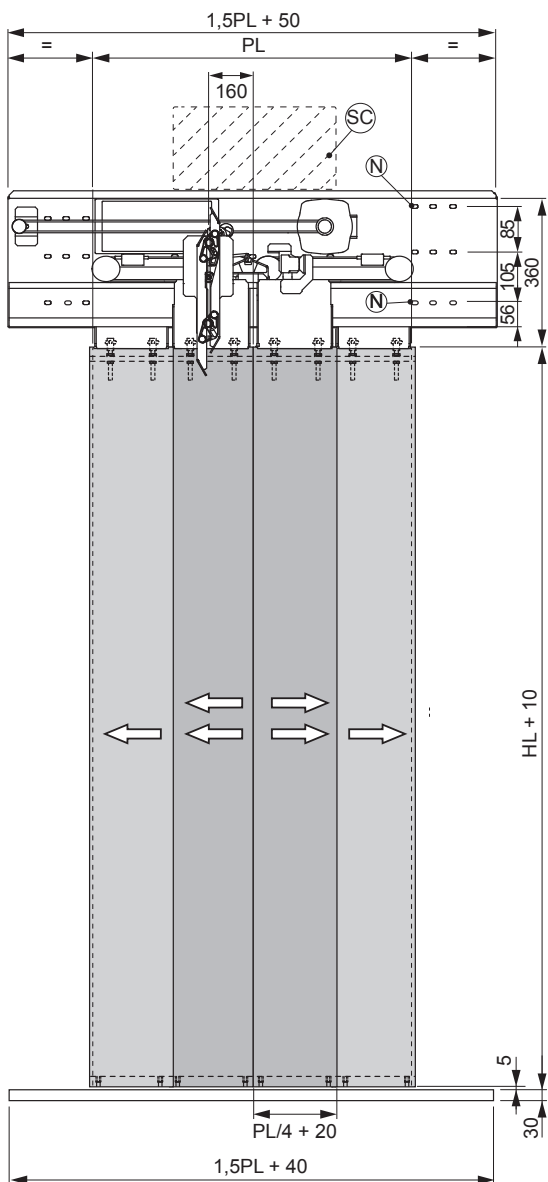


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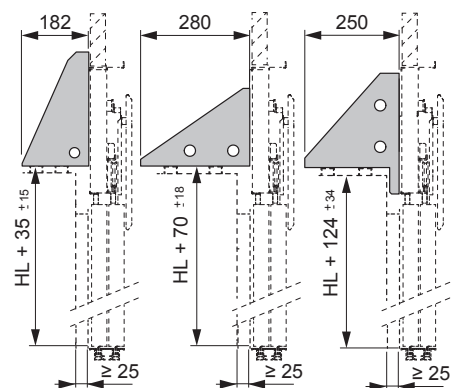
- 1 For PL 650 this dimension is 1.310.
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Technical drawing 4 panel centre parting door

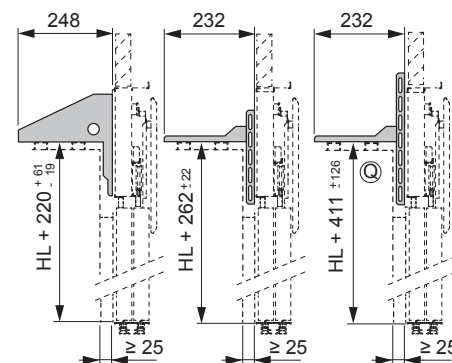
90 mm sill
Single coupling system (PL 900 - 1.150)



FIXING BRACKET RANGE

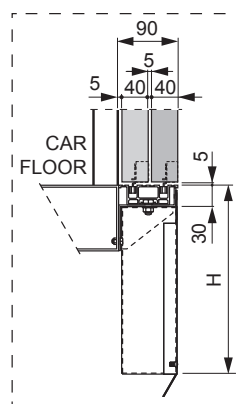


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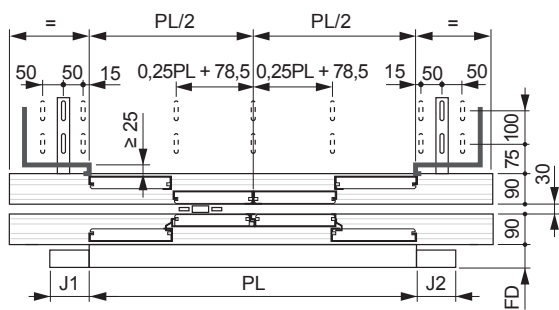
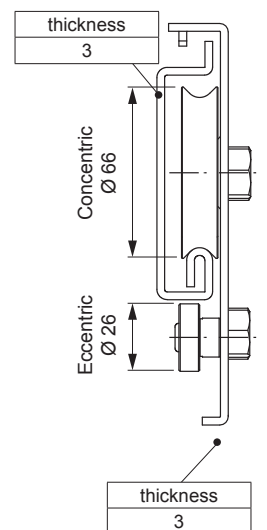


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SILL DETAIL



MECHANICAL DETAILS

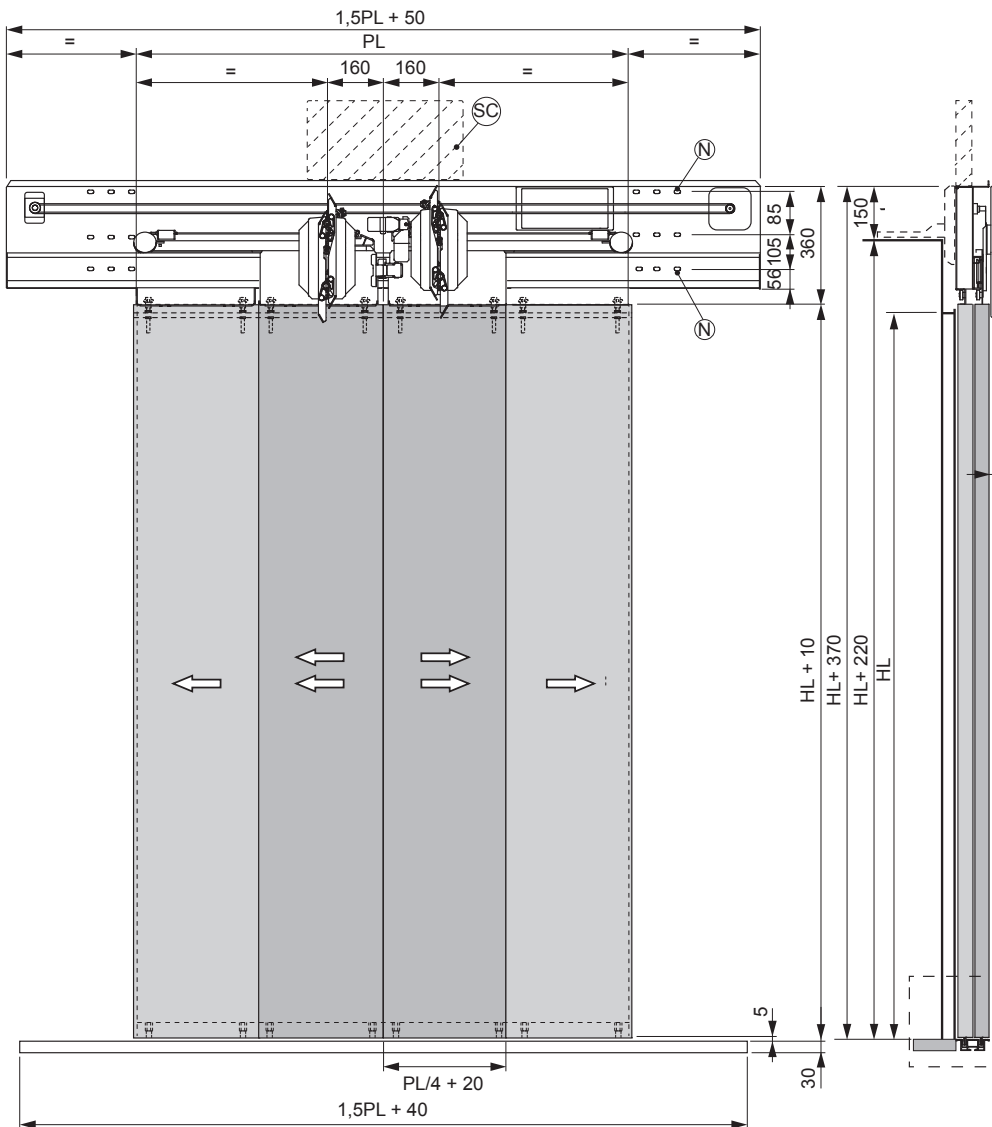


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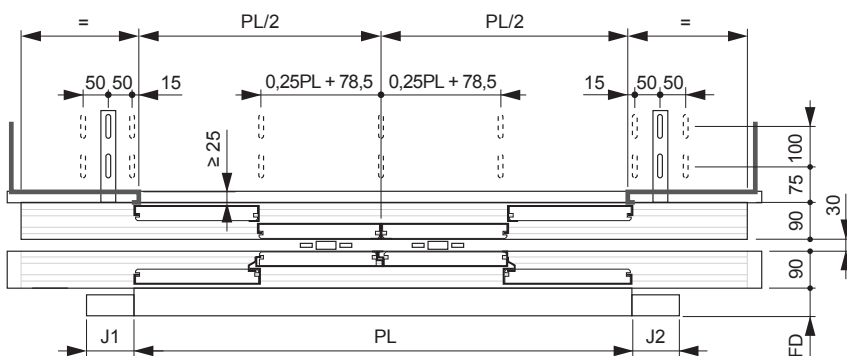
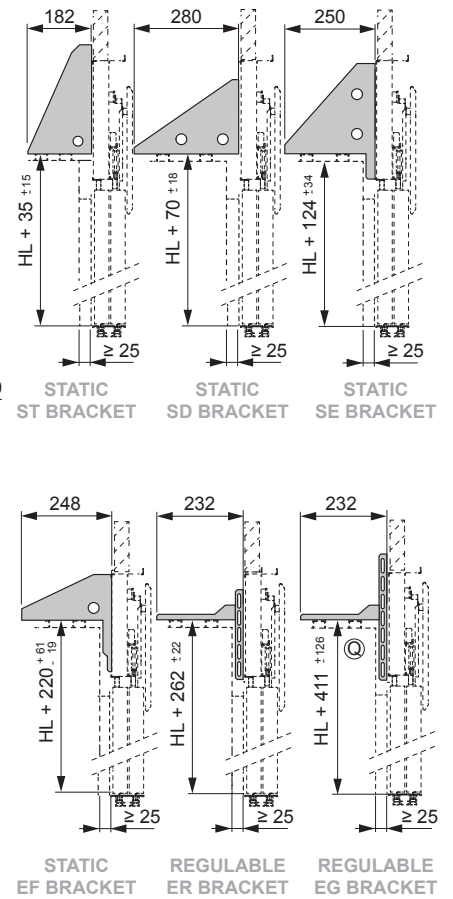
- N Recommended vertical fixing point for brackets.
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Technical drawing 4 panel centre parting door

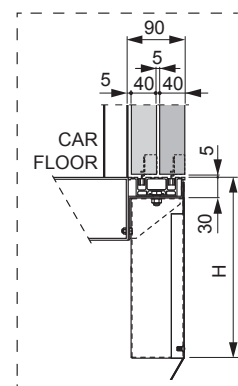
90 mm sill
Double coupling system (PL 1.200 - 1.400)



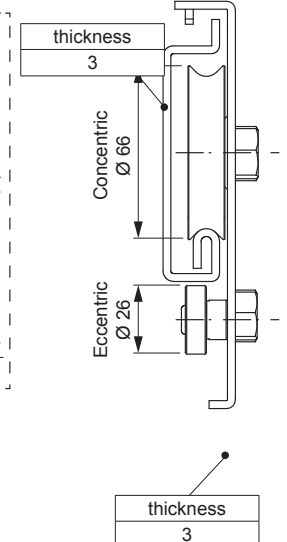
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS

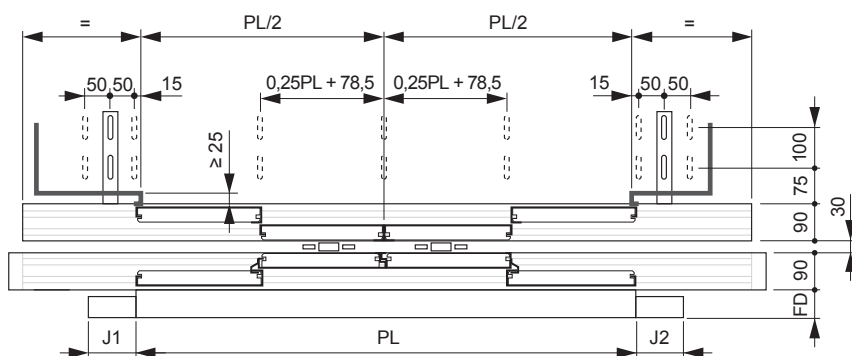
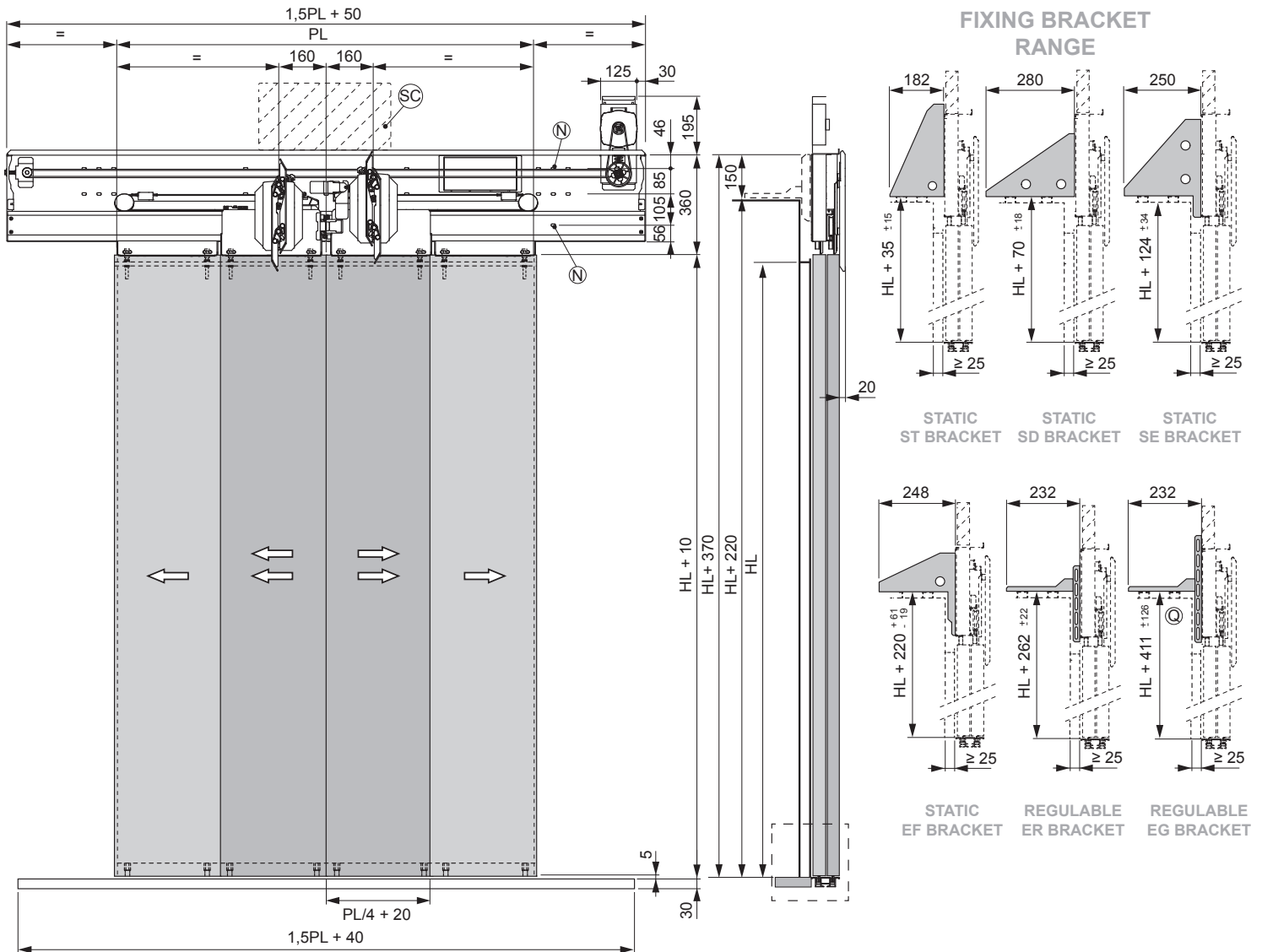


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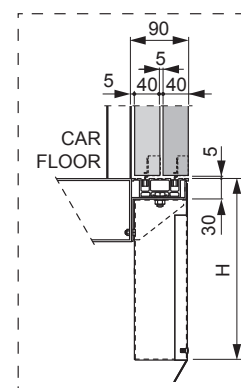
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- FD 25 / 50 / 60.
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Technical drawing 4 panel centre parting door

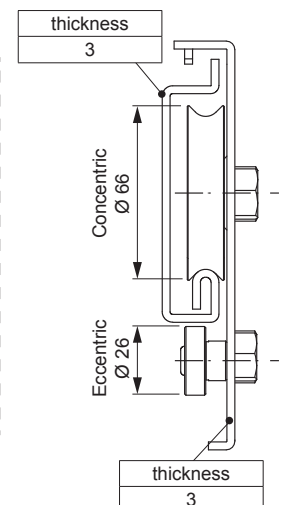
90 mm sill
Double coupling system (PL 1.450 - 2.000)



SILL
DETAIL



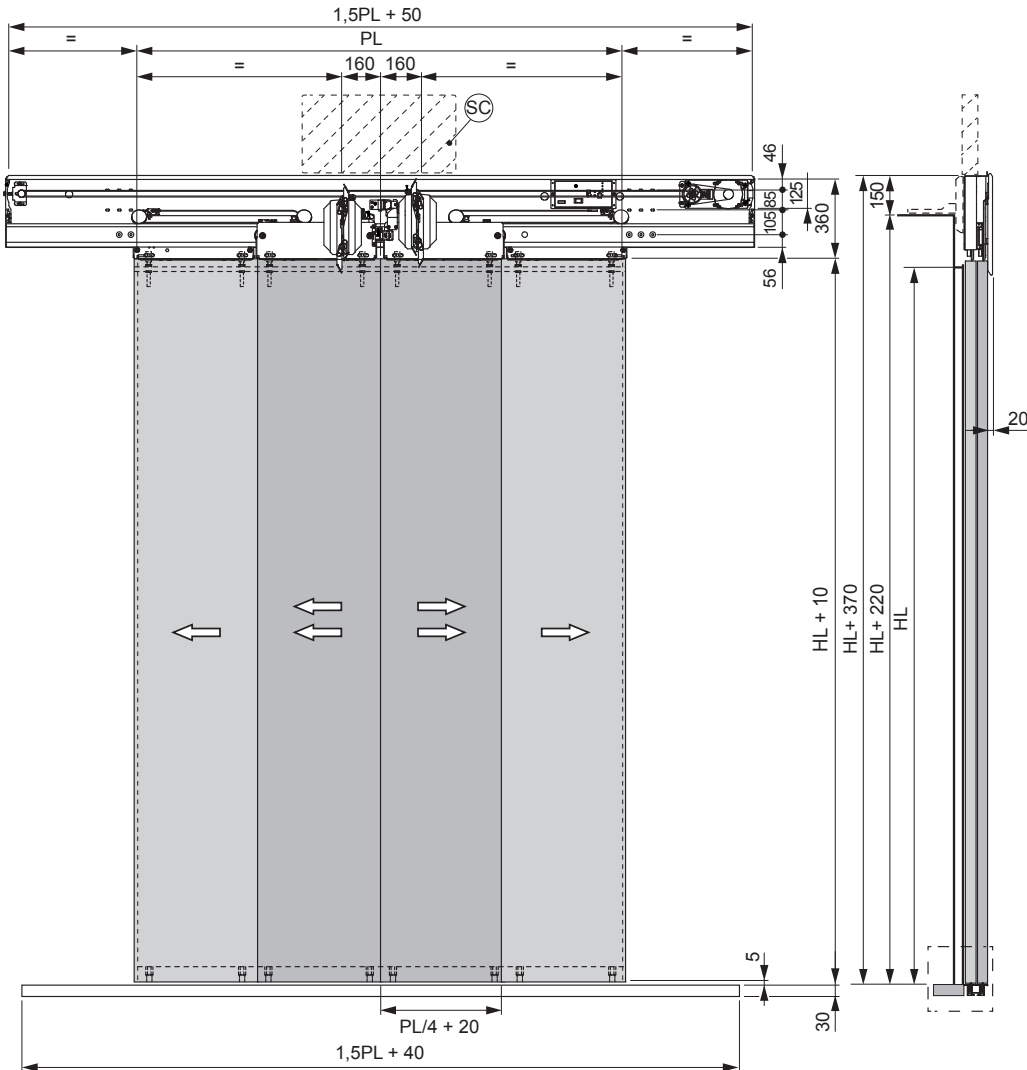
MECHANICAL
DETAILS



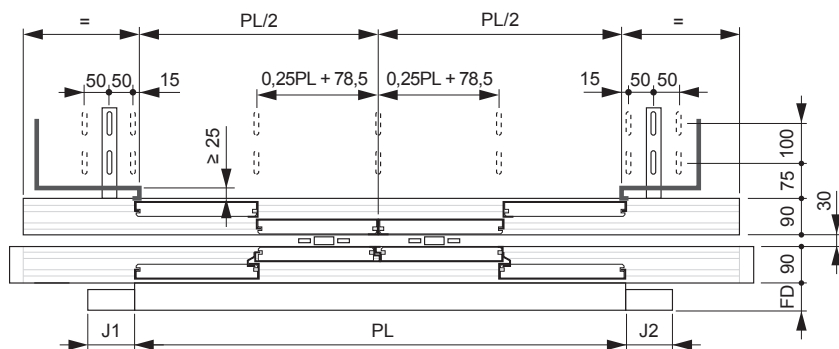
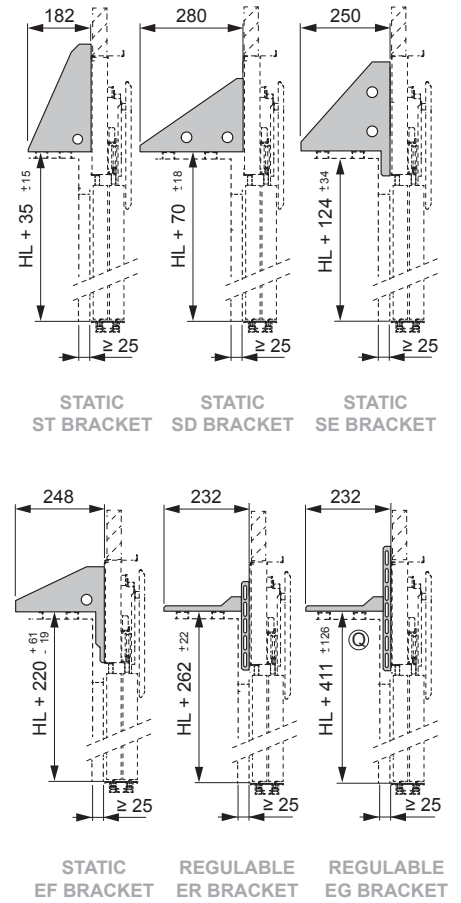
- Notes:
- N Recommended vertical fixing point for brackets.
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Technical drawing 4 panel centre parting door

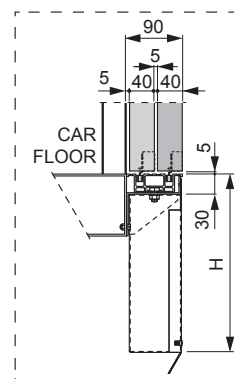
90 mm sill
Double coupling system (PL 2.050 - 3.000)



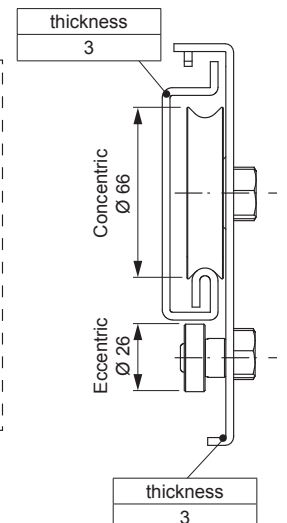
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS

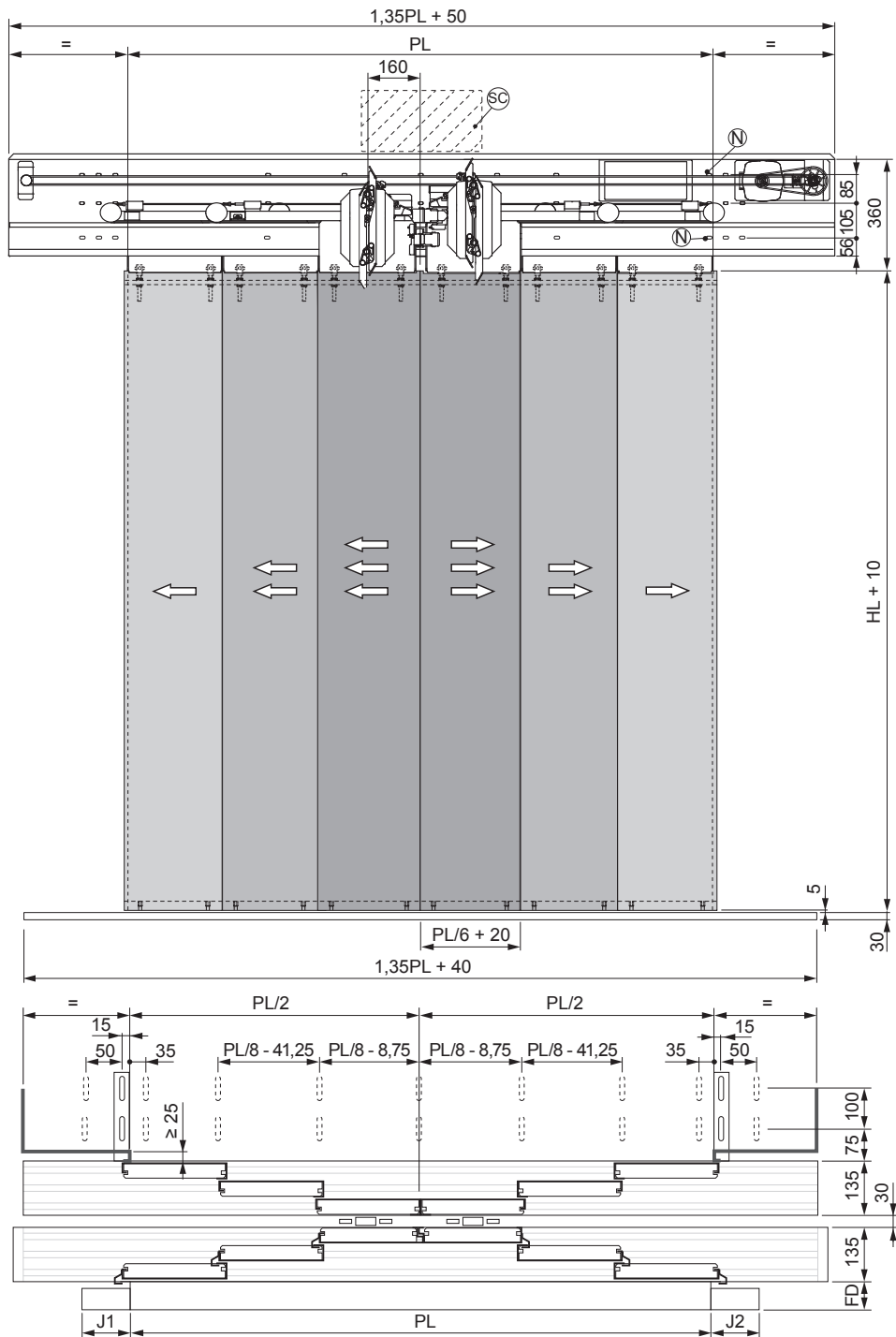


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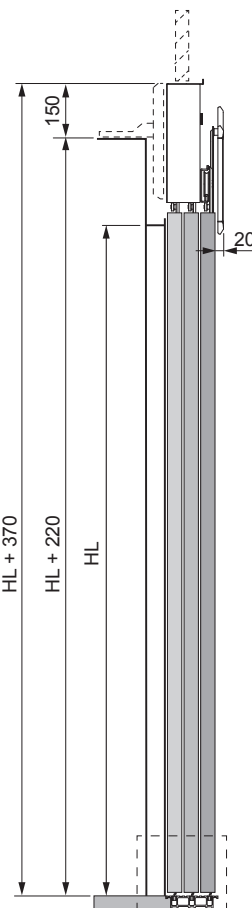
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- FD 25 / 50 / 60.
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Technical drawing 6 panel centre parting door

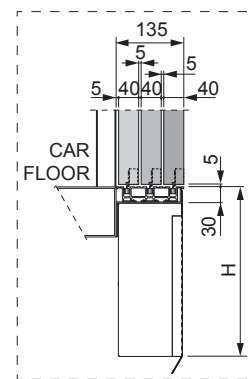
135 mm sill



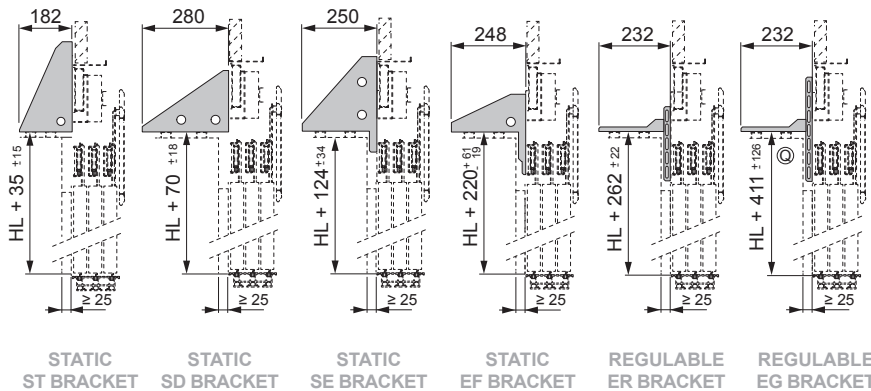
FIXING BRACKET RANGE



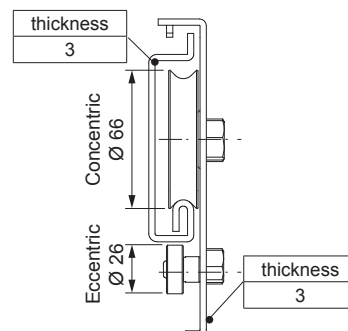
SILL DETAIL



FIXING BRACKET RANGE



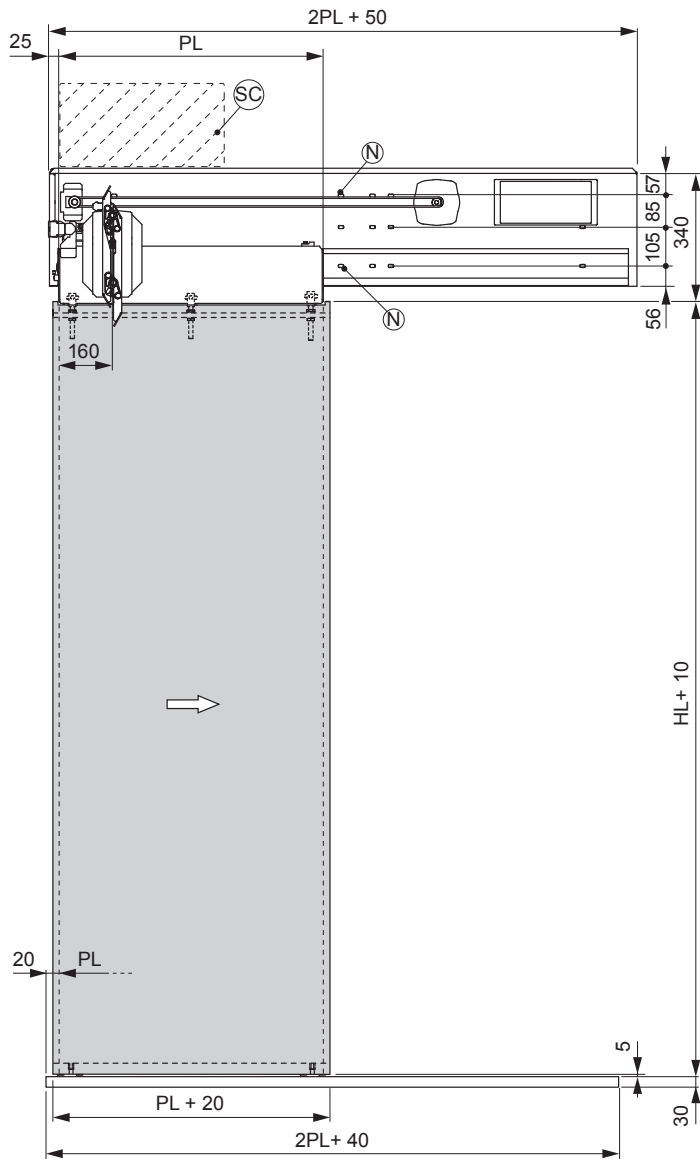
MECHANICAL DETAILS



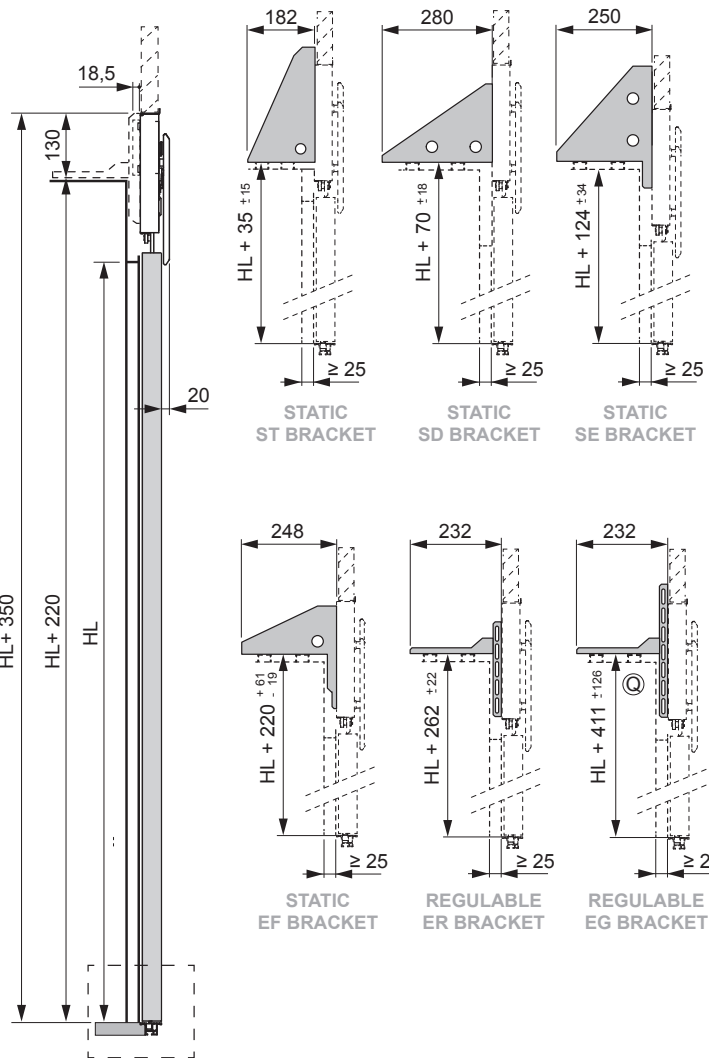
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 N Recommended vertical fixing point for brackets.
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 FD 25 / 50 / 60.
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Technical drawing 1 panel side opening door

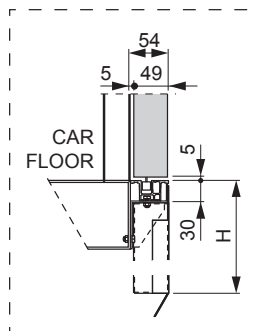
54 mm sill



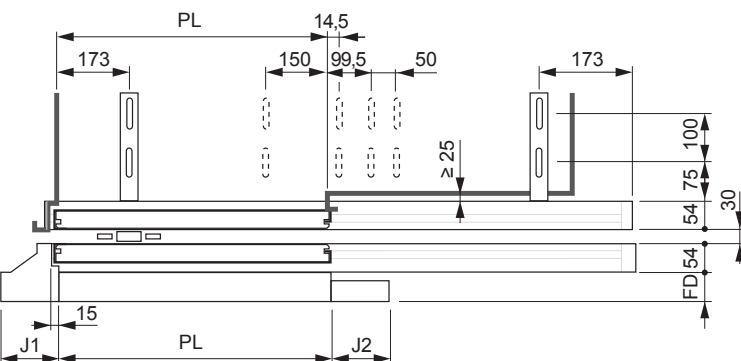
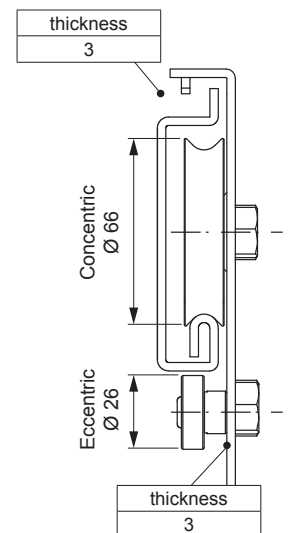
FIXING BRACKET RANGE



SILL DETAIL



MECHANICAL DETAILS

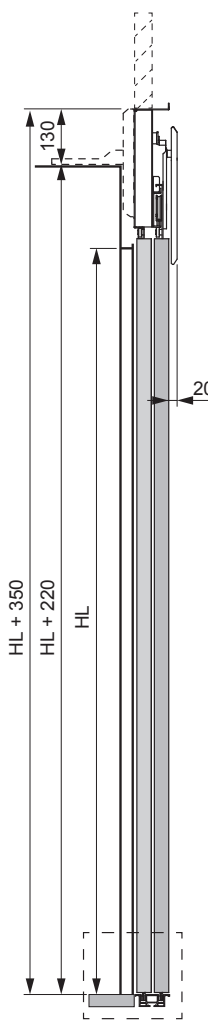
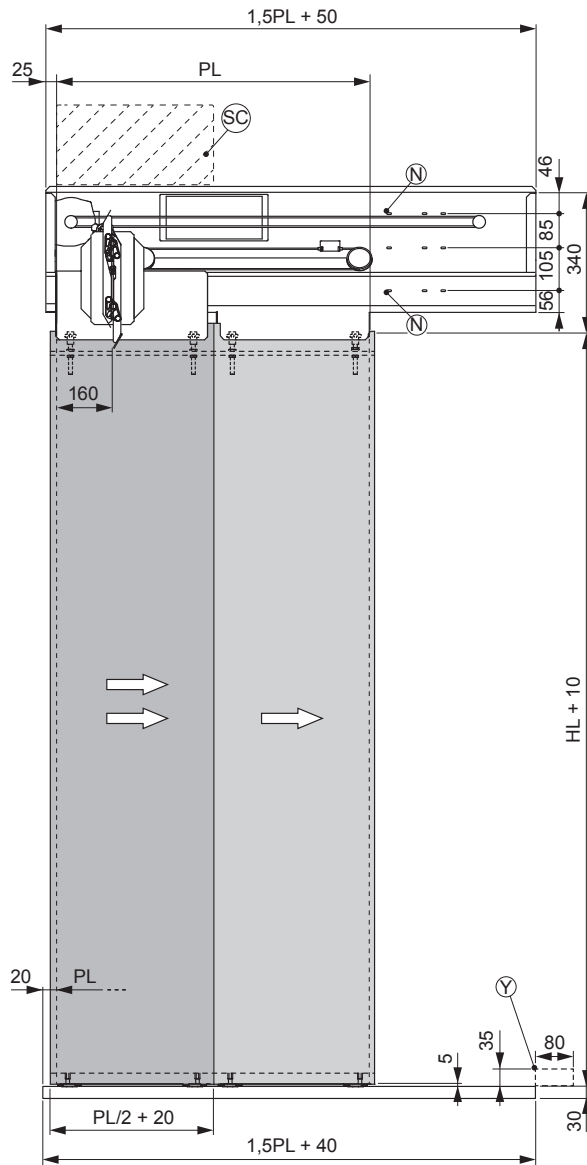


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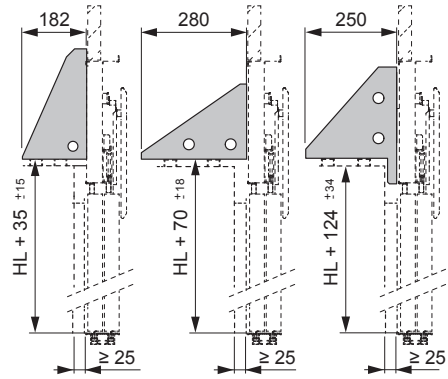
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Technical drawing 2 panel side opening door

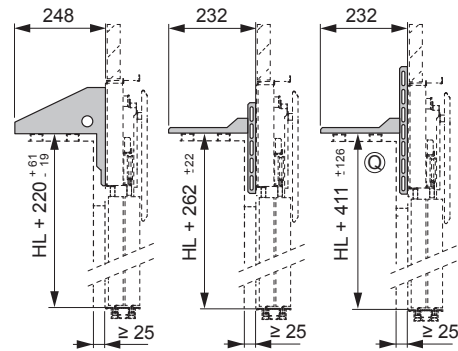
90 mm sill



FIXING BRACKET RANGE

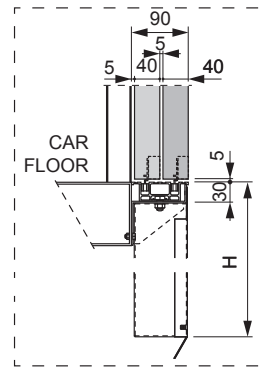
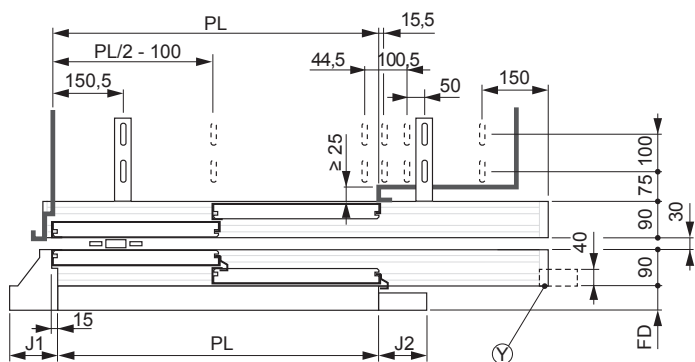


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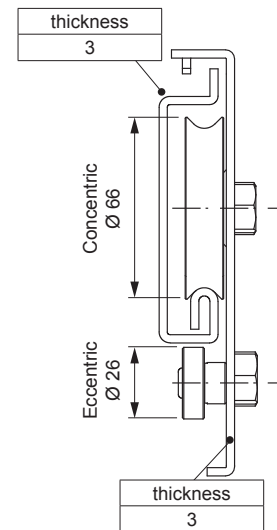


STATIC EF BRACKET REGULABLE ER BRACKET REGULABLE EG BRACKET

SILL DETAIL



MECHANICAL DETAILS

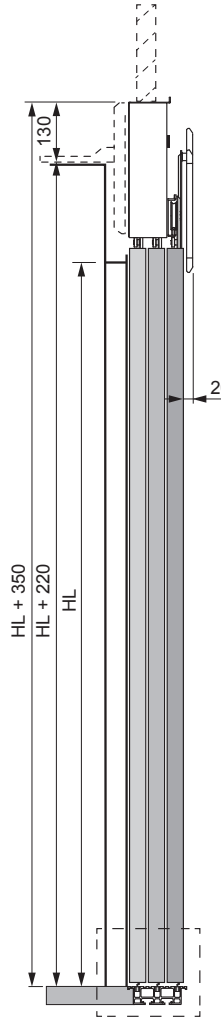
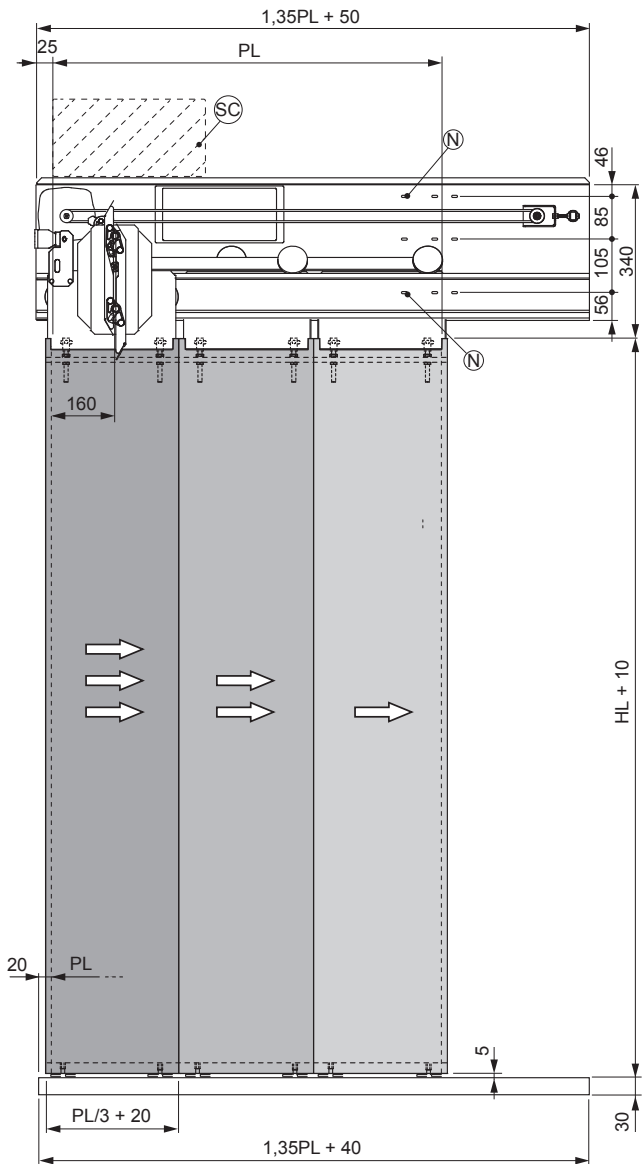


Notes:

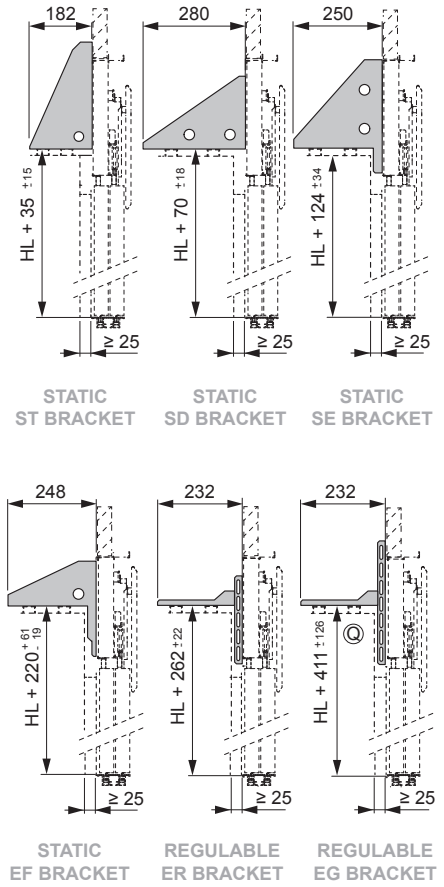
- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- Y With optional steel hidden sill this extra space is required.
- J1 - J2 See landing door technical data sheet for available dimensions.
- FD 25 / 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

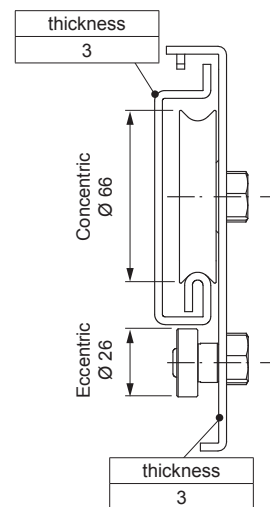
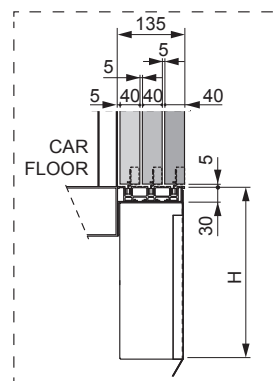
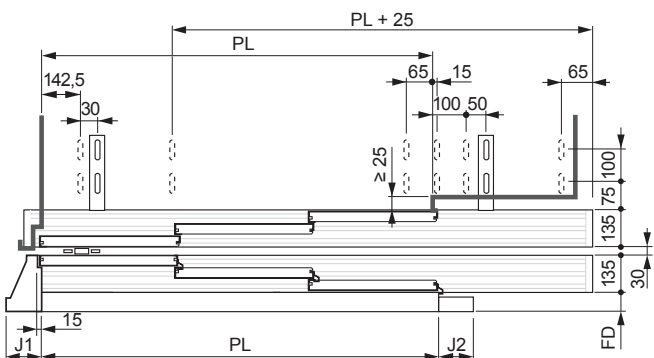


FIXING BRACKET RANGE



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.

Circuit 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 an example, the assembly options are available for any type of support.	

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AUTOMATIC DOORS FOR LIFTS



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