

# PREMIUM

Automatic horizontal sliding landing 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	700 - 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 <sup>(2)</sup>	Double skin	Vision	Fritted vision	Wien type vision	Bevel big vision <sup>(3)</sup>	Flush big vision	Full glass in skirting	Full glass in moorings	Aluminium glass
C2 - C4 - C6 T1 - T2 - T3	NO F.R. F.R. E30 <sup>(4)</sup> F.R. E60 <sup>(4)</sup> F.R. E120 <sup>(4)</sup> F.R. EI30 <sup>(4)</sup> F.R. EI60 <sup>(4)</sup> F.R. EI120 <sup>(4)</sup> F.R. EW30 <sup>(4)</sup> F.R. EW60 <sup>(4)</sup>	NO F.R. F.R. E120 <sup>(4)</sup>	x	x	x	NO F.R. F.R. E30 F.R. E60 F.R. E120 F.R. EI30	NO F.R. F.R. E60 F.R. E120 F.R. EI30	NO F.R.	NO F.R.	x
<p>(2) Solid execution option.                      (3) Not available for EN 81-20/50.                      (4) Execution with smoke seal protection available.                      F.R.: Fire rated according to EN 81-58.                      For options not shown ask the commercial department.</p>										

## Anti-trapping safety device option

C2	x	x	x	x	x	x	x	x	x	x
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## FRAME DEFINITION

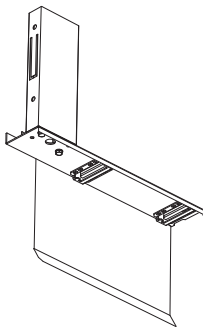
Frame depth - FD (mm)	Jamb J1 (mm)	Header - HD (mm)	Jamb J2 (mm)	Remarks	Frame type				Options			
					STD	MSS MV	MSS MH	Concealed	Lateral covers	Without extra-stroke	MRL	Without lateral punching
25	120	210	120	-	✓	x	x	x	x	x	x	x
50	70	80	70	-	✓	x	x	x	x	x	x	x
60	120	210	120	-	✓	x	x	x	✓	x	✓	✓
	> 120 + Δ 10	> 210 + Δ 10	> 120 + Δ 10	-	✓	x	x	x	✓	x	✓	✓
	80	80	80	80	-	✓	x	x	x	✓	x	✓
210		210	-		✓	x	x	x	✓	x	✓	✓
<p>MSS MV: Frame without sill supplement with visible sill support.                      MSS MH: Frame without sill supplement with concealed sill support.                      Without extra-stroke: Closing jamb without labyrinth.                      MRL: Jamb ready for lift control cabinet in machine roomless installations.</p>												

Available<sup>(1)</sup>.  Not available. Ask the commercial department.

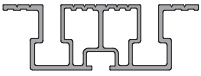

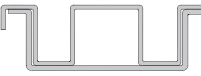

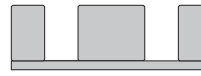
<sup>(1)</sup>Some option combinations may not be possible.

# Door configuration

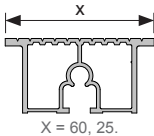
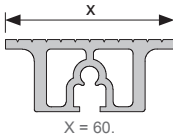
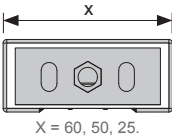
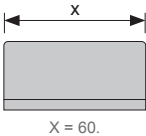
## FRAME DETAIL

Frame type	STD	MSS MV	MSS MH	Concealed
Frame detail		-	-	-
<p>MSS MV: Frame without sill supplement with visible sill support.                      MSS MH: Frame without sill supplement with concealed sill support.</p>				


## SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✓
Heated sill option	✓	✓	✓	✗	✗
Debris holes	✓	✓	✓	✗	✓

## SILL SUPPLEMENTS

Type of supplement	Aluminium	Reinforced aluminium	Steel	Massive
Profile detail	 X = 60, 25.	 X = 60.	 X = 60, 50, 25.	 X = 60.
Availability	✓	✓	✓	✓

## STANDARDS

Opening	EN 81-1/2 Safety rules	EN 81-20/50 Safety rules	EN 81-21 Existing buildings	EN 81-41 Impaired mobility <sup>(5)</sup>	EN 81-71 Vandal resistant lifts		EN 81-72 Firefighting lifts	EN 81-77 Lifts subject to seismic			ПБ 10-558-03 Safety rules
					Cat. I	Cat. II		Cat. I	Cat. II	Cat. III	
C2 - C4 - C6 T1 - T2 - T3	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
(5) Only for T2 - C2 - C4.											

Available<sup>(1)</sup>.  Not available.  Ask the commercial department.

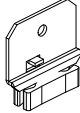
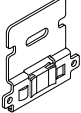
<sup>(1)</sup>Some option combinations may not be possible.

# Door configuration

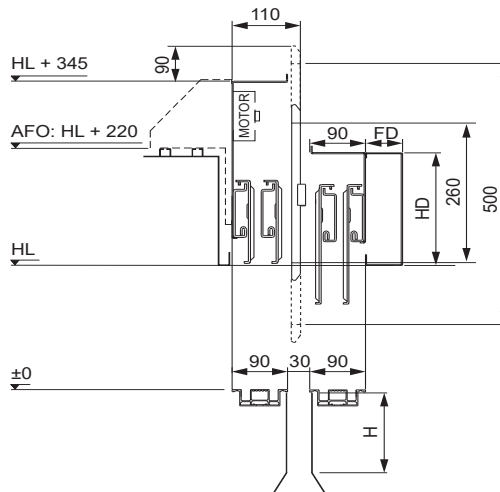
## PROTECTION

Opening	IP20	IPX3	IP54		IP65	EX
	Protection against a solid foreign body of 12,5 mm or more in diameter.	Protected against sprays of water up to 60 degrees from the vertical.	Protection against debris and protected against water splashed from all directions.		Sealed against debris and protected against jets of water from all directions.	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	✓	✗	✓	✗	✗	✗

## PANEL REGULATION SUPPORT AND PANEL GUIDE

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

## COMPATIBILITY



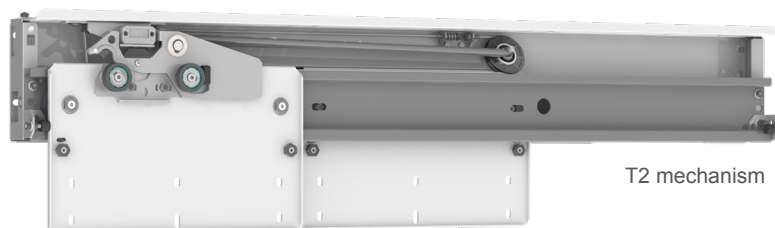
Case	Premium PM car door	
Coupling	Asymmetrical clutch	Pre-opening asymmetrical clutch
Unlocking zone	+102 / -148	+232 / -269
Toe guard type	Standard	Standard
H	265	395
Thickness	1	1
Range	All	All

T2 opening shown.  
FD 25 / 50 / 60.  
HD 80 / 210.  
If not otherwise indicated all dimensions in mm.

Available<sup>(1)</sup>.  Not available.  Ask the commercial department.

<sup>(1)</sup>Some option combinations may not be possible.

# Technical features



T2 mechanism

## GENERAL FEATURES

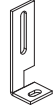
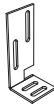



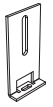

Noise level	< 48 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm 120 x 60 mm frame, with sheet metal panels - 84 kg.
Safety closing system	<p>C2: PL 700 - 2.400 mm = Counterweight / PL 700 - 1.200 mm = Spring.                      C4: PL 900 - 3.000 mm = Counterweight / PL 900 - 2.400 mm = Spring.                      C6: PL 1.600 - 3.000 mm = Counterweight.                      T1: PL 600 - 1.200 mm = Counterweight.                      T2: PL 700 - 1.600 mm = Counterweight / PL 700 - 1.200 mm = Spring.                      T3: PL 700 - 2.000 mm = Counterweight / PL 700 - 1.200 mm = Spring.</p>

## INSTALLATION

Pre-adjusted and tested to simplify the installation.

## DOOR HOISTWAY PROJECTION (DHP) - FIXING BRACKETS

DHP type	C2			C4			C6			T1		T2		T3			
	DHP* (mm)	Bracket		DHP* (mm)	Bracket		DHP* (mm)	Bracket		DHP* (mm)	Bracket		DHP* (mm)	Bracket			
1	0 - 31	X	A	0 - 38	X	A	0 - 32	D		0 - 31	X	A	0 - 38	X	A	0 - 32	D
2a	-	-		39 - 89	W		33 - 139	D		-	-		39 - 89	W		33 - 139	D
2b	32 - 93	W		90 - 139	D		140 - 179	V2		32 - 93	W		90 - 139	D		140 - 179	V2
3	94 - 124	V8		140 - 150	V2		180 - 195	V7		94 - 124	V8		140 - 150	V2		180 - 195	V7

Bracket type	A	D	V2	V7	V8	X	W
							
Thickness (mm)	5	5	4	4	4	5	5

\*See DHP dimension in sill detail (technical drawings pages).

## UPPER FASTENING BRACKET QUANTITY<sup>(7)</sup>

Opening	PL							
	600 800	900 1.100	1.200 1.400	1.500 1.700	1.800 2.300	2.400 2.500	2.600 3.000	
C2								
C4	2		4		6		8	
C6								
T1								
T2	2		3					
T3					4			

(7) With Infill Panel: C2/C4 +2, T2/T3/T4 +1

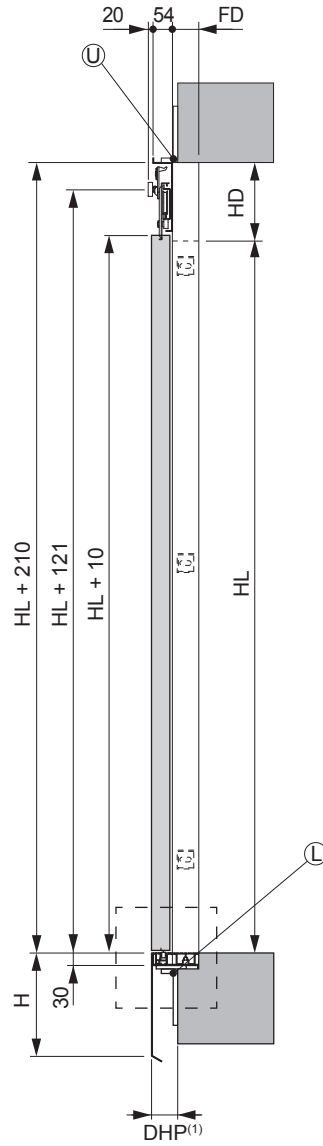
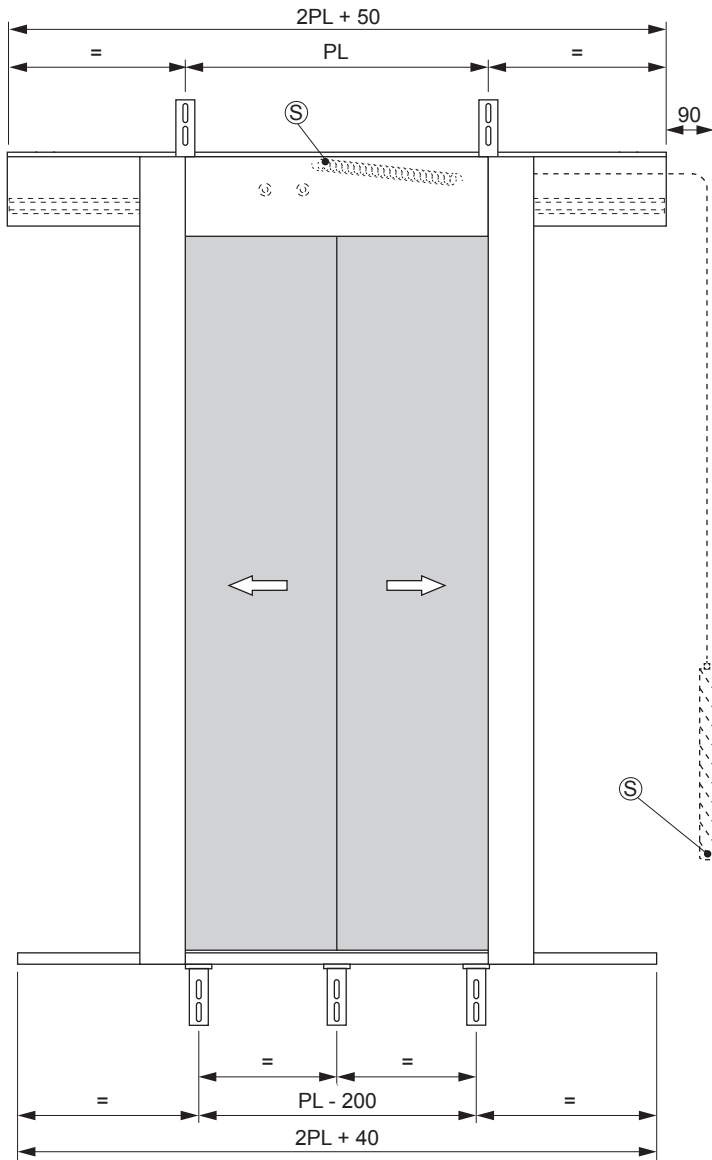
## LOWER FASTENING BRACKET QUANTITY<sup>(7)</sup>

Opening	PL								
	600 800	900 1.100	1.200 1.400	1.500 1.700	1.800 1.900	2.000 2.300	2.400 2.500	2.600 3.000	
C2									
C4	3		4		5		6		
C6									
T1									
T2	3		4		5				
T3					6		7		

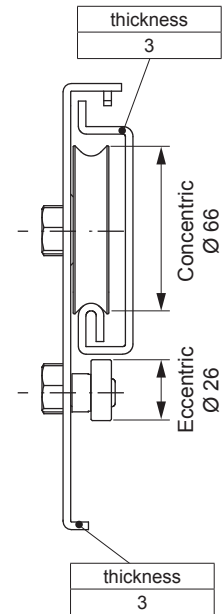
(7) With Infill Panel: C2/C4 +2, T2/T3/T4 +1

# Technical drawing 2 panel centre parting door

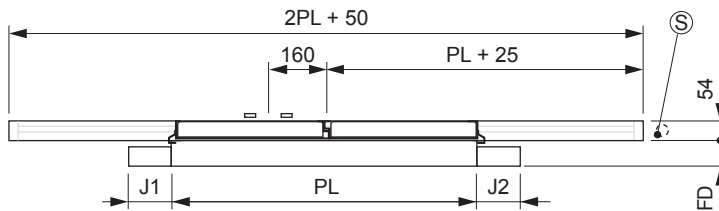
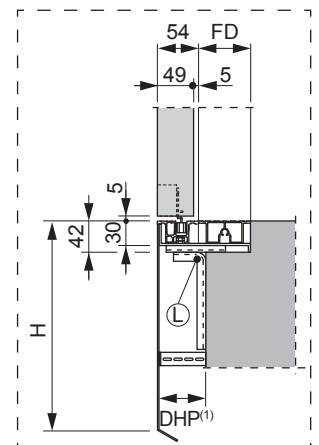
54 mm sill



## MECHANICAL DETAILS



## SILL DETAIL



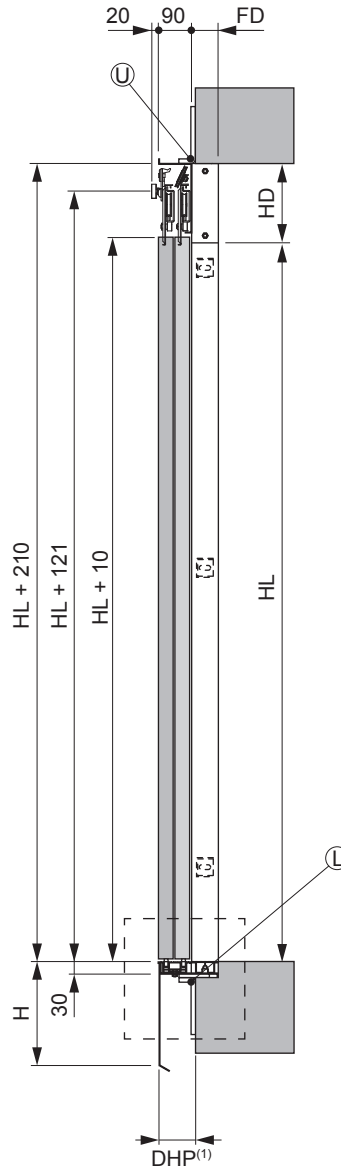
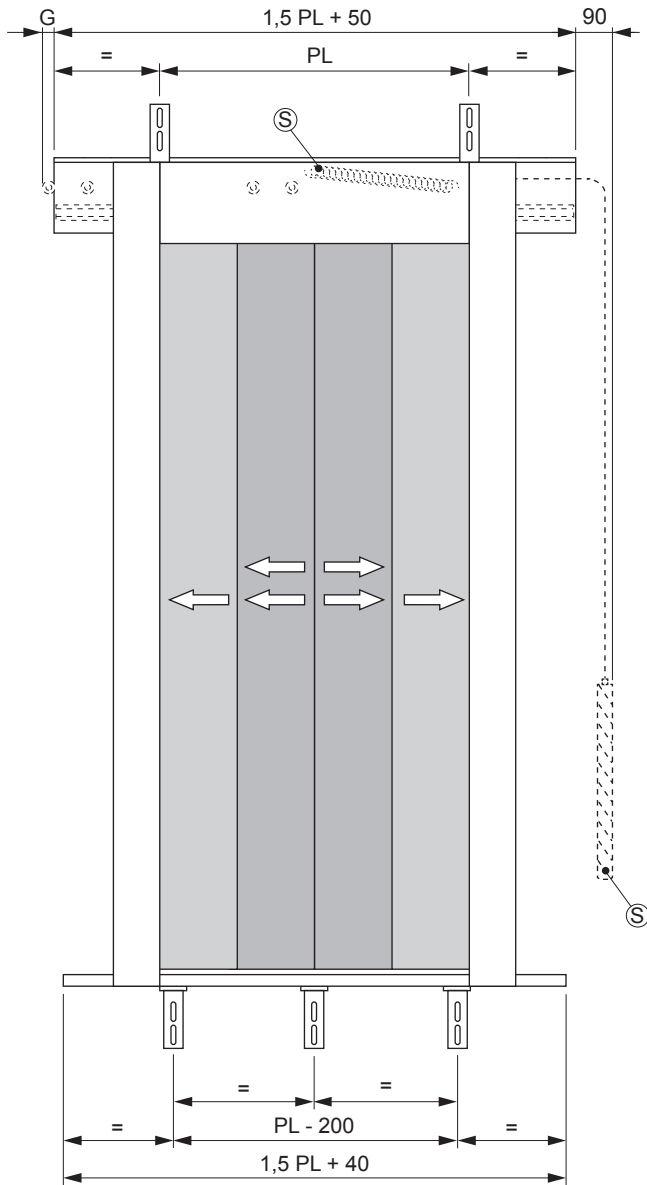
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight Spring

### Notes:

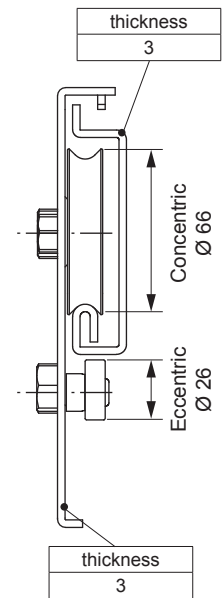
- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.

# Technical drawing 4 panel centre parting door

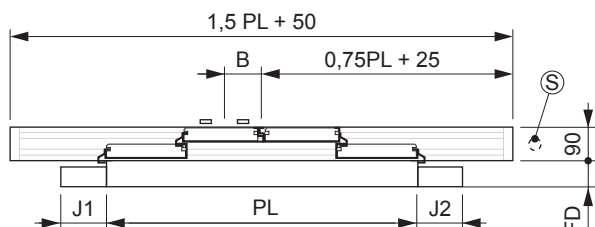
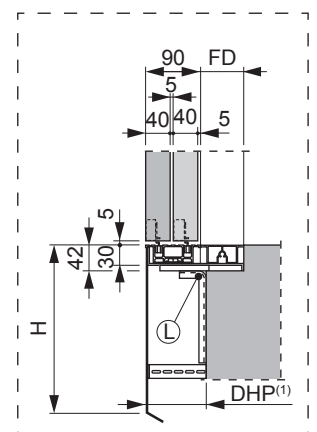
90 mm sill  
Single coupling system (PL 900 - 1.150)



## MECHANICAL DETAILS



## SILL DETAIL



PL	900	950	1000	1050	1100	1150
G	10	57	45	32	20	7
B	100			160		

DHP	
U	Upper bracket
L	Lower bracket

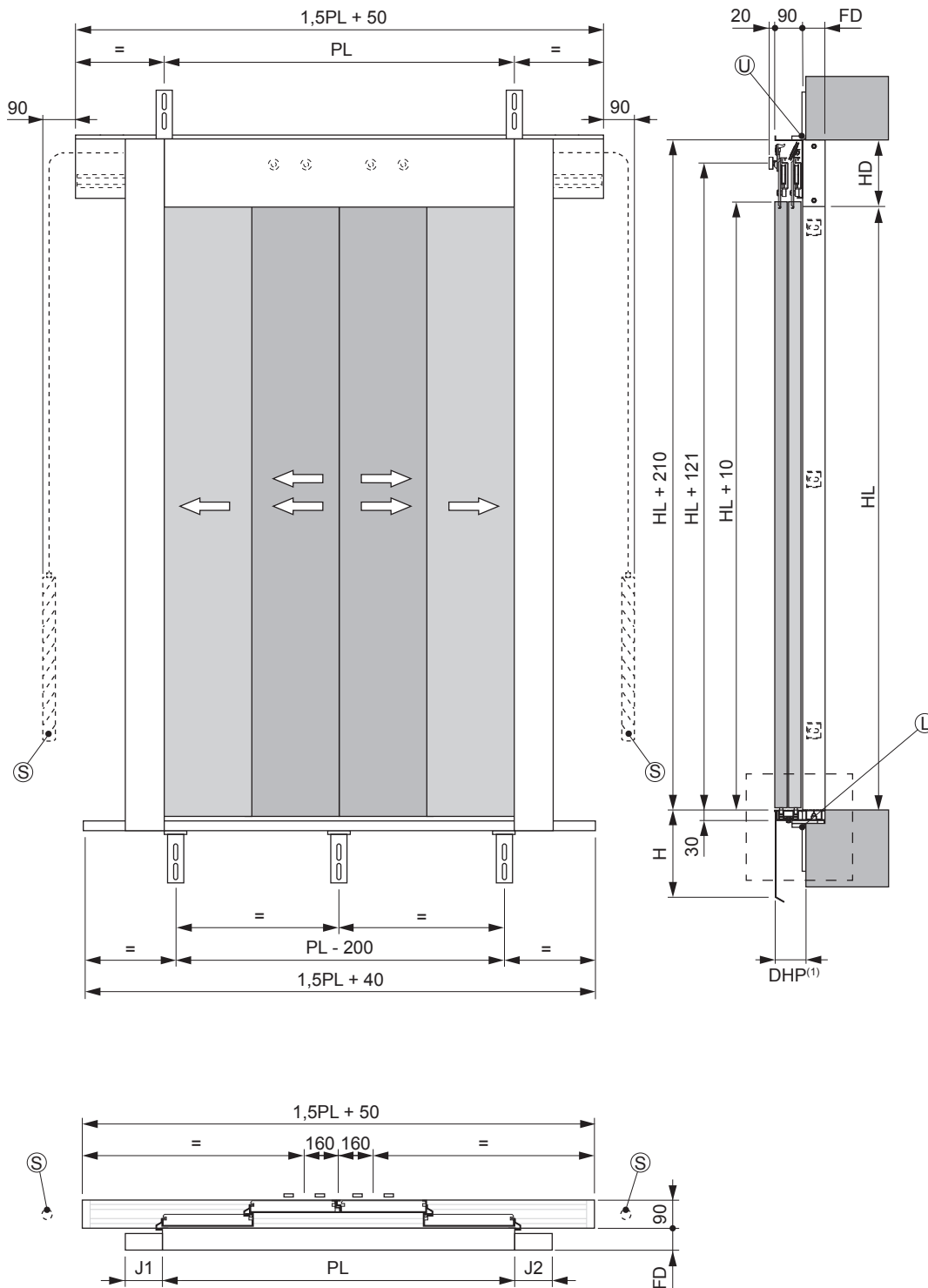
Safety closing system	
S	Counterweight Spring

Notes:

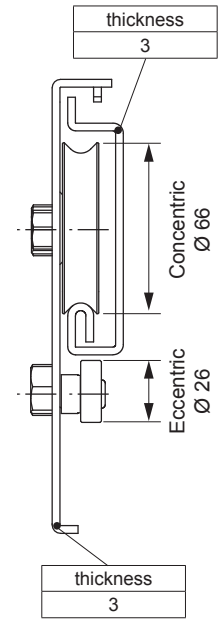
- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.

# Technical drawing 4 panel centre parting door

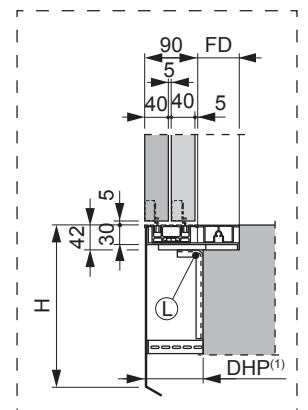
90 mm sill  
Double coupling system (PL 1.200 - 3.000)



## MECHANICAL DETAILS



## SILL DETAIL



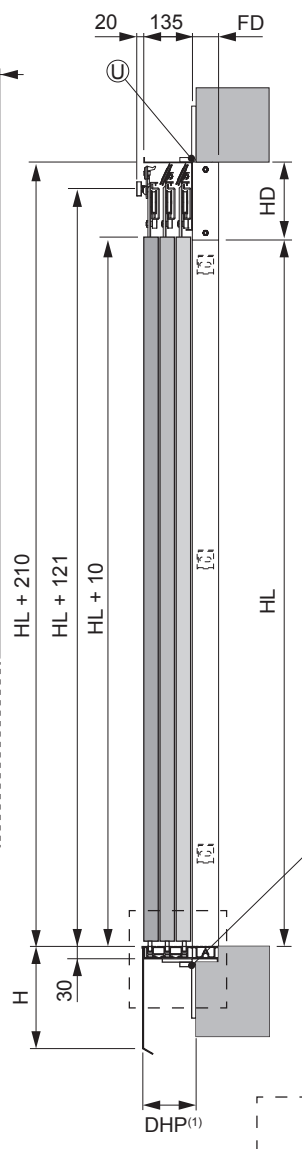
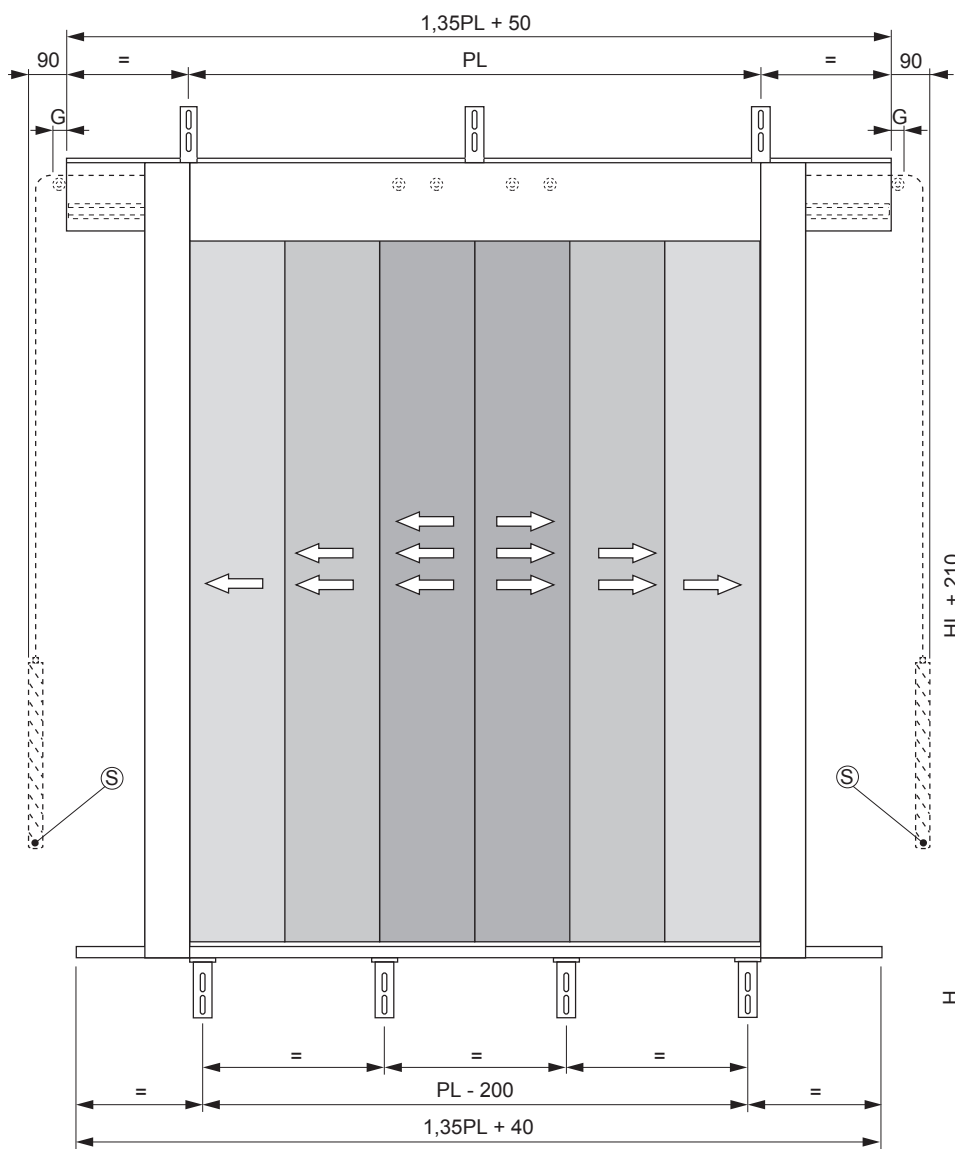
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight
	Spring

### Notes:

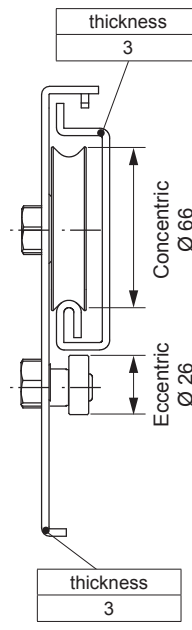
- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.

# Technical drawing 6 panel centre parting door

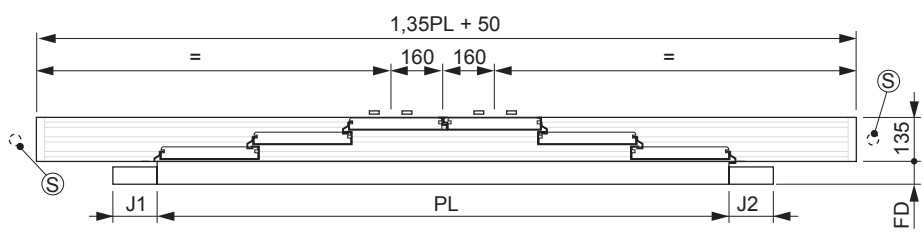
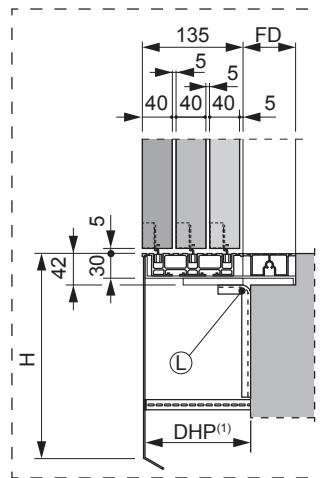
135 mm sill



## MECHANICAL DETAILS



## SILL DETAIL



PL	1600	1650	> 1650
G	20		0

U	Upper bracket
L	Lower bracket

S	Counterweight
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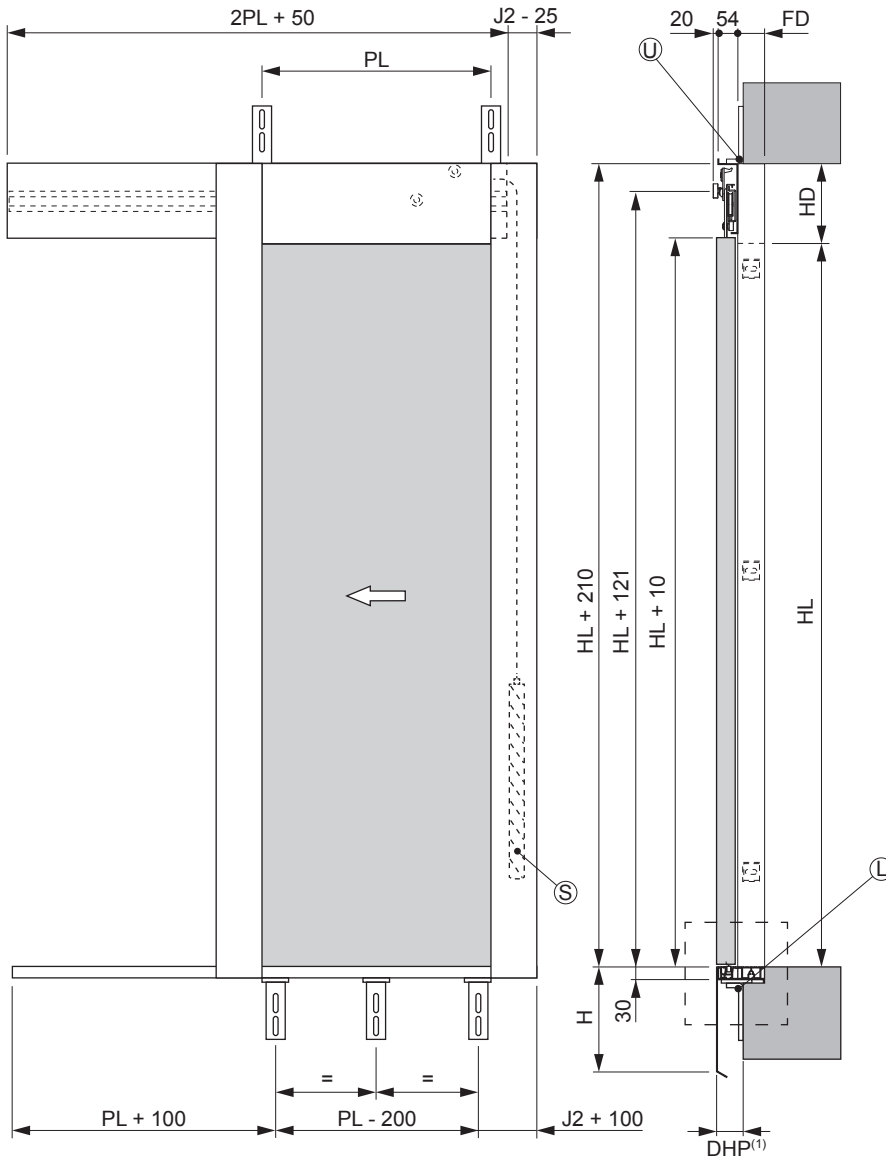
Notes:

1 See DHP details in technical features page.

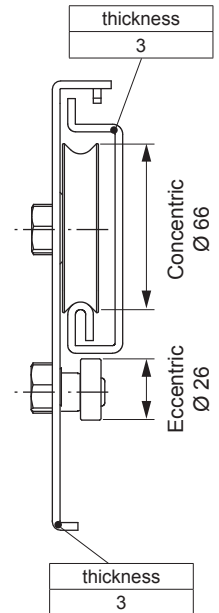
- If not otherwise indicated all dimensions in mm.

# Technical drawing 1 panel side opening door

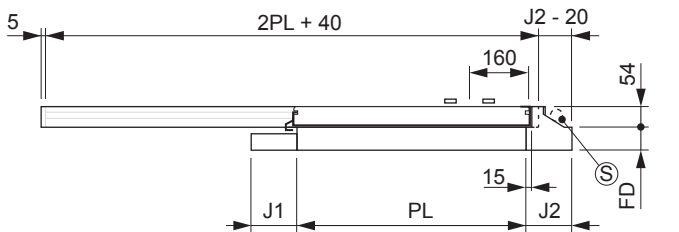
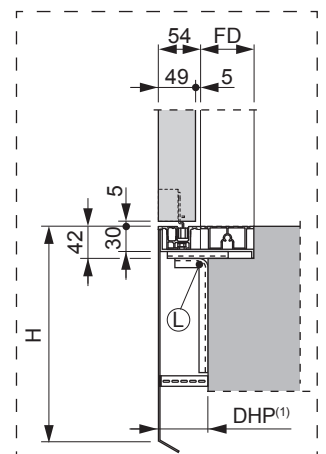
54 mm sill



## MECHANICAL DETAILS



## SILL DETAIL



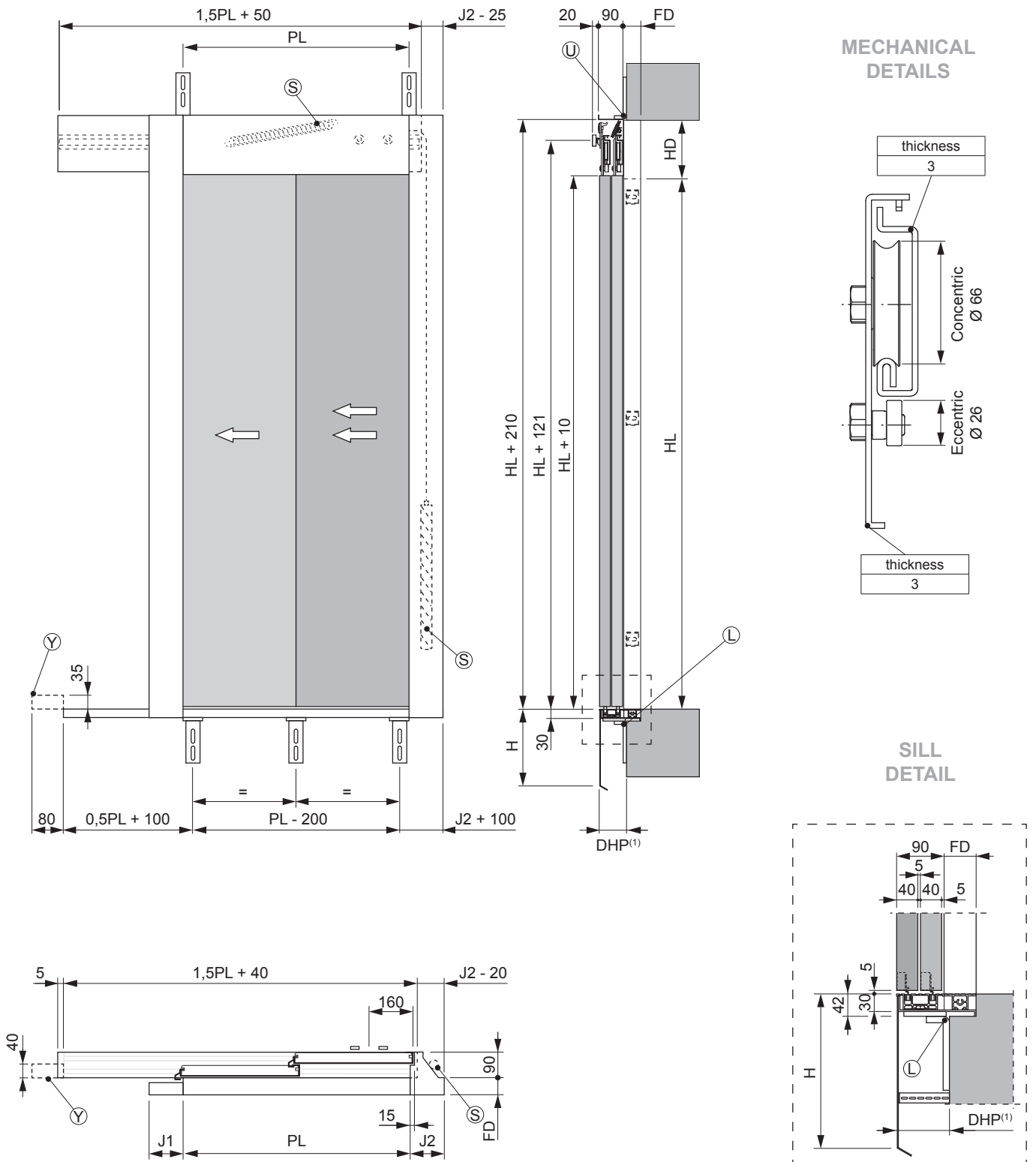
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight

### Notes:

- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.

# Technical drawing 2 panel side opening door

90 mm sill



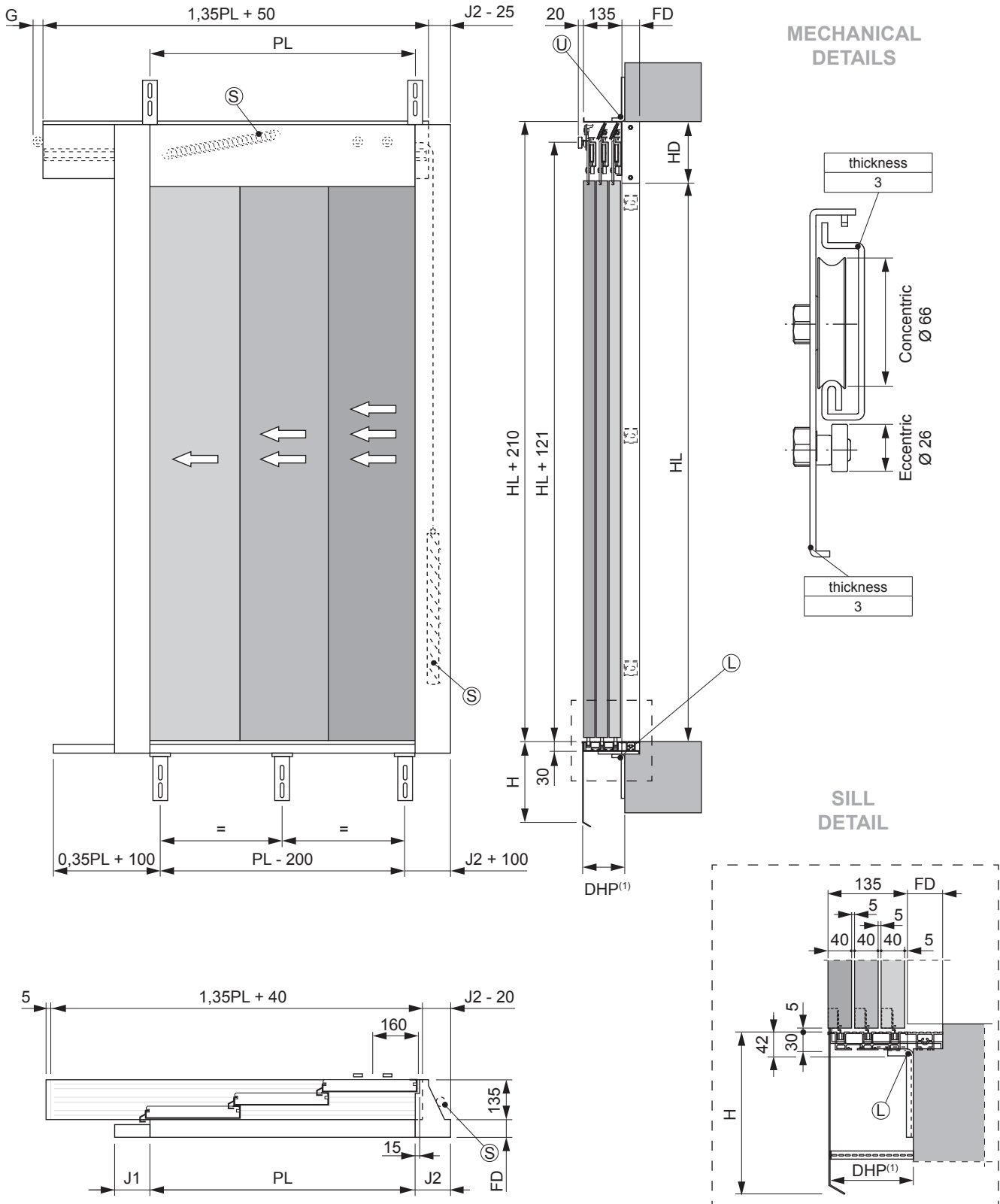
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight Spring

Notes:

- 1 See DHP details in technical features page.
- Y With optional steel concealed sill, this extra space is required.
- If not otherwise indicated all dimensions in mm.

# Technical drawing 3 panel side opening door

135 mm sill



PL	700	750	> 750
G	40	25	0

	DHP
U	Upper bracket
L	Lower bracket

	Safety closing system
S	Counterweight Spring

**Notes:**

- 1 See DHP details in technical features page.
- G In PL 700 to 800 in open position, the locking device sticks out 40 mm maximum.
- If not otherwise indicated all dimensions in mm.

**Fermator**  
AUTOMATIC DOORS FOR LIFTS



### **Sales contacts**

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