



Technical Information

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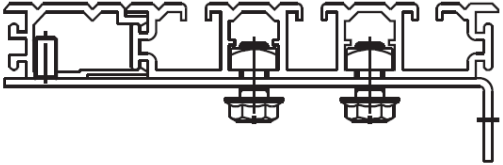
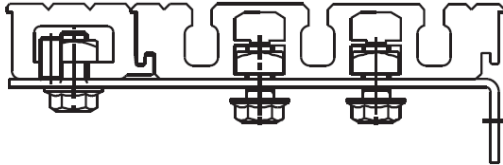
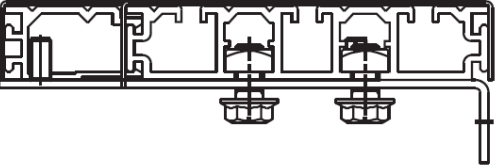
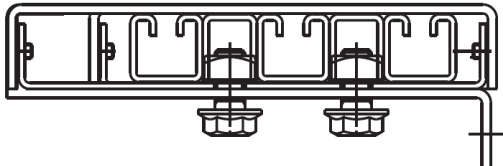
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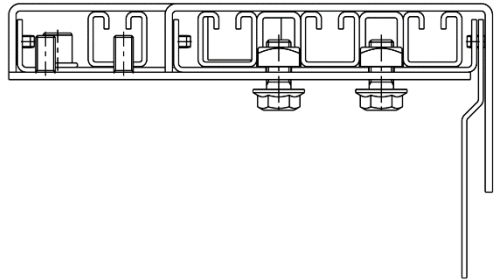
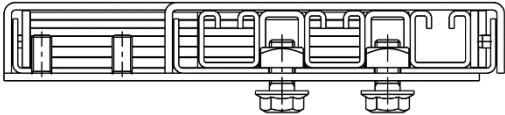
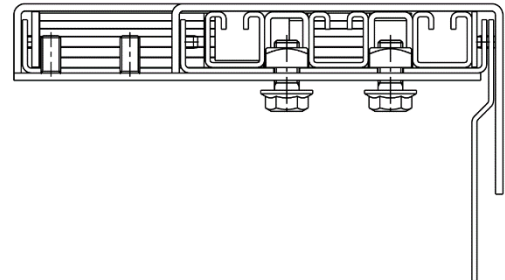
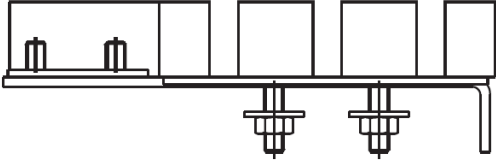
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page 1 / 3

Elevator types and category of load capacities	Passenger elevators for residential buildings					Bed elevators				Freight elevators (the category of load capacities not defined by DIN)					
	320kg	450kg	630kg		1000kg	Passenger elevators for intensive use			2500kg	3000kg	3500kg	4000kg	6000kg	10000kg	>10000kg
			Passenger elevators for normal use				1600kg	1800kg							
Sill types			630kg	800kg	1000kg	1275kg									
Aluminium standard profile	With standard sill brackets														
Aluminium massive profile	With standard sill brackets					With continuous sill support									
Pura (Aluminium standard profile clad with stainless steel)	With standard sill brackets														
Hidden track or Gravida Plus sill from steel or stainless steel	With standard sill brackets					With continuous sill support									
Gravida solid sill from steel or stainless steel	With standard sill brackets					With continuous sill support									
Hidden track solid or Gravida Plus solid sill from steel or stainless steel	With standard sill brackets					With continuous sill support									
Segment sill, massive profile	With standard sill brackets					With continuous sill support									

No.	Sill types	Sketch	Permissible wheel load R_{48}^{**}
1	Aluminium standard profile		6kN resp. 0,6t
2	Aluminium massive profile		50kN resp. 5t
3	Pura (Aluminium standard profile clad with stainless steel)		1kN resp. 0,1t
4	Sill Gravida steel or stainless steel		18kN resp. 1,8t

No.	Sill types	Sketch	Permissible wheel load R_{48} **
5	Hidden track or Gravida Plus sill from steel or stainless steel		18kN resp. 1,8t
6	Gravida solid sill from steel or stainless steel		50kN resp. 5t
7	Hidden track solid or Gravida Plus solid sill from steel or stainless steel		50kN resp. 5t
8	Segment sill massive profile		85kN resp. 8,5t

** The wheel load R_{48} refers to a hard steel wheel with a diameter of 85mm and a width of 48mm.

Because the permissible wheel load R_{48} is based on a wheel width of 48mm, this value changes as a function of the wheel width b . Therefore the wheel load R_b (subject to the wheel width b) is calculated as follows:

$$R_b = R_{48} \times b/48$$

The single standard sill brackets are permissible for a wheel load of up to $R_{48}=4\text{kN}$ resp. 0,4t. The continuous sill support must be used in case of higher wheel loads.

The continuous sill support is suitable for a wheel load $R_{48}=50\text{ kN}$ resp. 5 t. This is valid for the permitted range of measure 4 as shown in Technical Information 8200 3003 350, p. 6. If a bigger dimension of measure 4 is requested by the customer, the possible wheel load R_4 decreases as follows:

$$R_4 = R_{48} \times (180 / \text{measure } 4)^2$$