







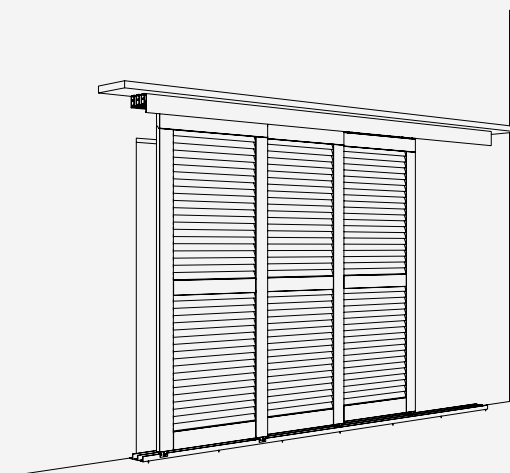
**Fitting for 3 wooden or metal shutters up to 100 kg (220 lbs.), with screwed on running track. Ceiling or architrave mounting.**

### Product highlights

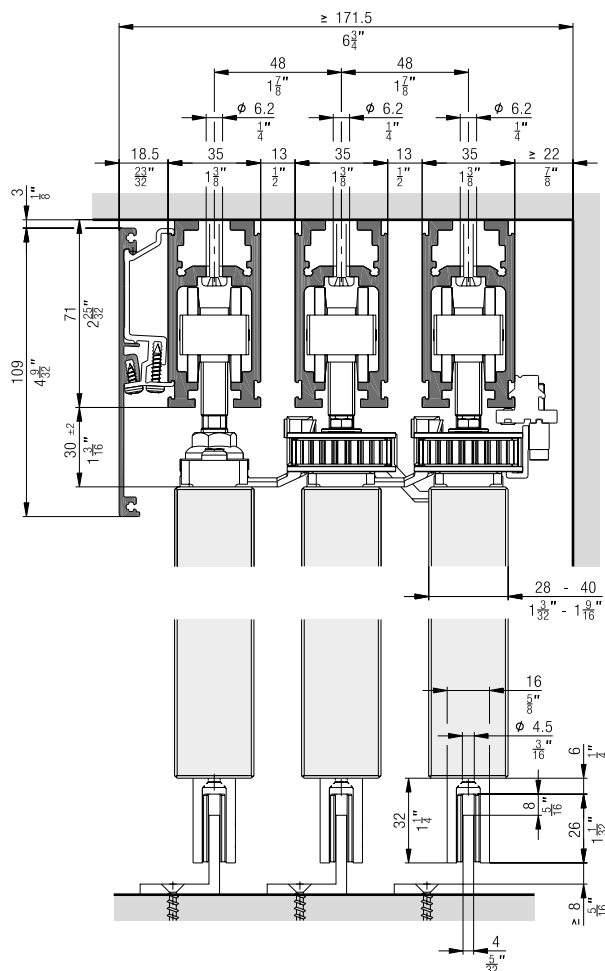
-  **Aesthetics** Attractive design solution for exciting and modern façade design
-  **Security** The shutters withstand even stormy winds, both open and closed

### Technical specifications

-  Max. 100 kg (220 lbs.)
-  Max. 3200 mm (10' 5 31/32")
-  600–1200 mm (1' 11 5/8" to 3' 11 1/4")  
(Max. shutter area 3.84 m<sup>2</sup> (41 ft<sup>2</sup>))
-  28–40 mm (1 3/32" to 1 9/16")



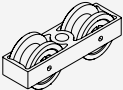
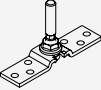
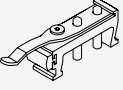

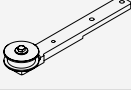



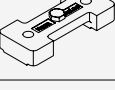

### Installation examples



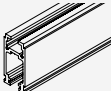
**Set for 3 sliding shutters up to 100 kg (220 lbs.)**

	No.
Hawa Frontslide 100 A Telescopic 3, for 3 sliding shutters	25128


**Set consisting of:**

		25128	No.
	Two-wheeled running gear, M10, plastic wheels	6	24552
	Top fixing plate, stainless steel, with hanger bolt M10	6	24564
	Track stop with adjustable retainer	2	24834
	Toothed belt clamp	1	25059
	Guide pulley wheel, with fixing plate, long	2	20139
	Guide pulley wheel, with fixing plate, short	2	20140
	Driver, wide	2	20141
	Driver, narrow	1	20142
	Driver counter-plate, wide	1	20246
	Toothed belt, 2.7 m (8'10 5/16"), fibre glass reinforced, black	2	20208

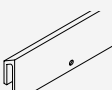
**Running tracks**

		mm (inch)	No.
	Running track, aluminum, anodized, pre-drilled	3500 (11' 5 25/32")	24840
		6000 (19' 8 7/32")	24797
		cut to size	24798


**Connecting pins for running tracks**

		No.
	Connecting bolts, 6-piece set	17221


**Guide tracks**

		mm (inch)	No.
	Guide track, aluminum, anodized, pre-drilled	6000 (19' 8 7/32")	24460
		cut to size	24462


**Panels**

		mm (inch)	No.
	Cover panel, aluminum, anodized	3500 (11' 5 25/32")	24845
		6000 (19' 8 7/32")	24808
		cut to size	24809
	Cover panel, aluminum	6000 (19' 8 7/32")	24810
		cut to size	24811

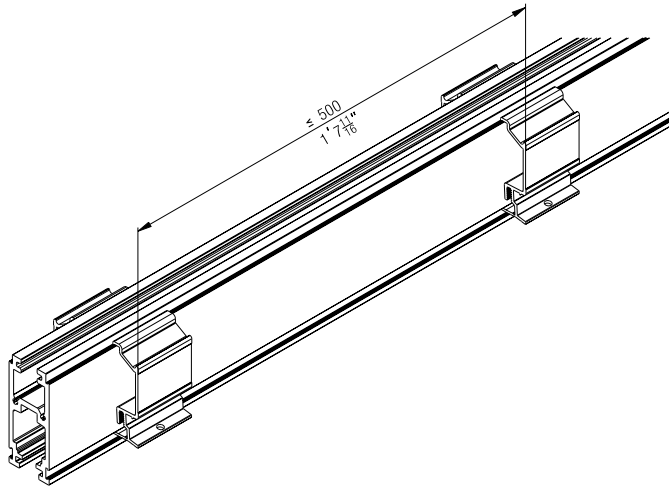
**Panel attachment components**

		No.
	Parts for fitting running track cover, at least every 500 mm (1' 7 11/16"), 5-piece set	24767

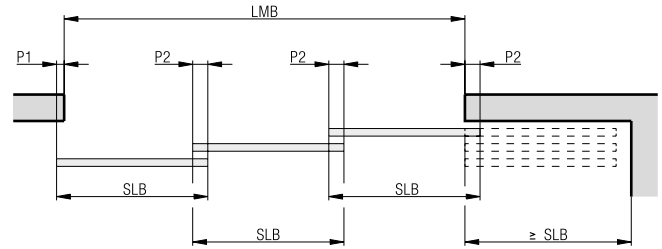
**Guides**

		No.
	Guide slider, for screw fixing	24542

### Panel attachment component installation

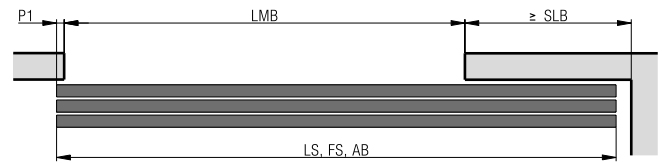


### Sliding shutter width calculations



$$SLB = \frac{LMB + P1}{3} + P2$$

$P2 \geq 50 \text{ mm}$

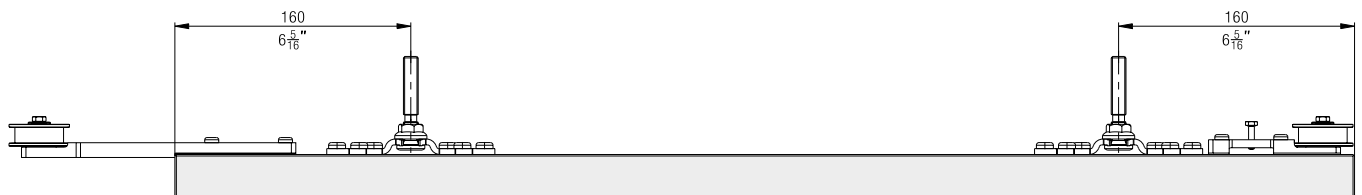
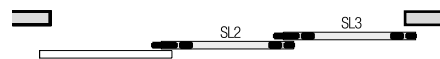
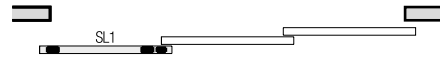


$$LS = LMB + P1 + SLB$$

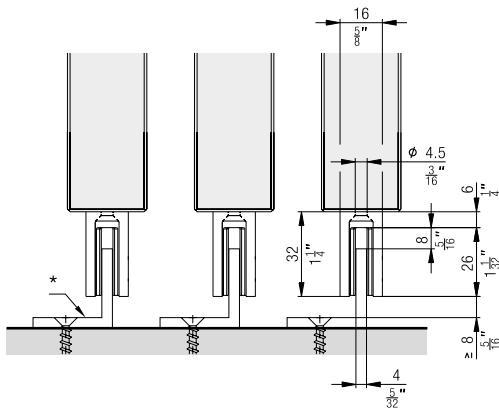
$$FS = LS$$

AB = System width  
 LMB = Inside clearance  
 SLB = Sliding shutter width  
 P = Sliding shutter overlap  
 LS = Running track  
 FS = Guide track

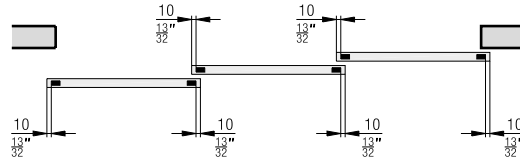
### Suspension points



## Guides



\* to be provided by customer



### Accessories

- Sliding shutter bolts from page 190

### Planning/execution

- Corrosion resistance class 4 in accordance with EN 1670 (very good resistance)
- Wind resistance class overview from page 198

Further information about the product can be found on [www.hawa.com](http://www.hawa.com).