

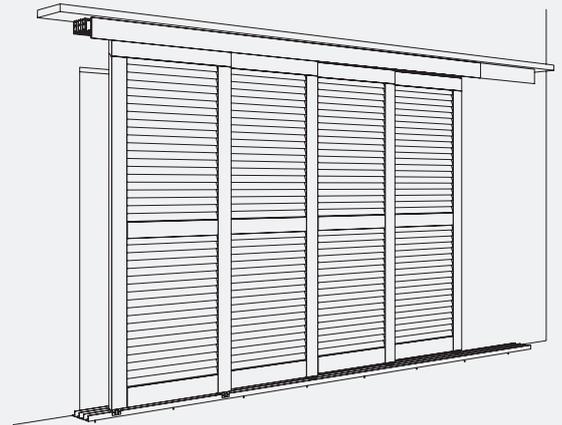
Automated fitting with SMI interface for 4 wooden or metal shutters up to 70 kg (154 lbs.), with screwed on running track. Ceiling or architrave mounting.

Product highlights

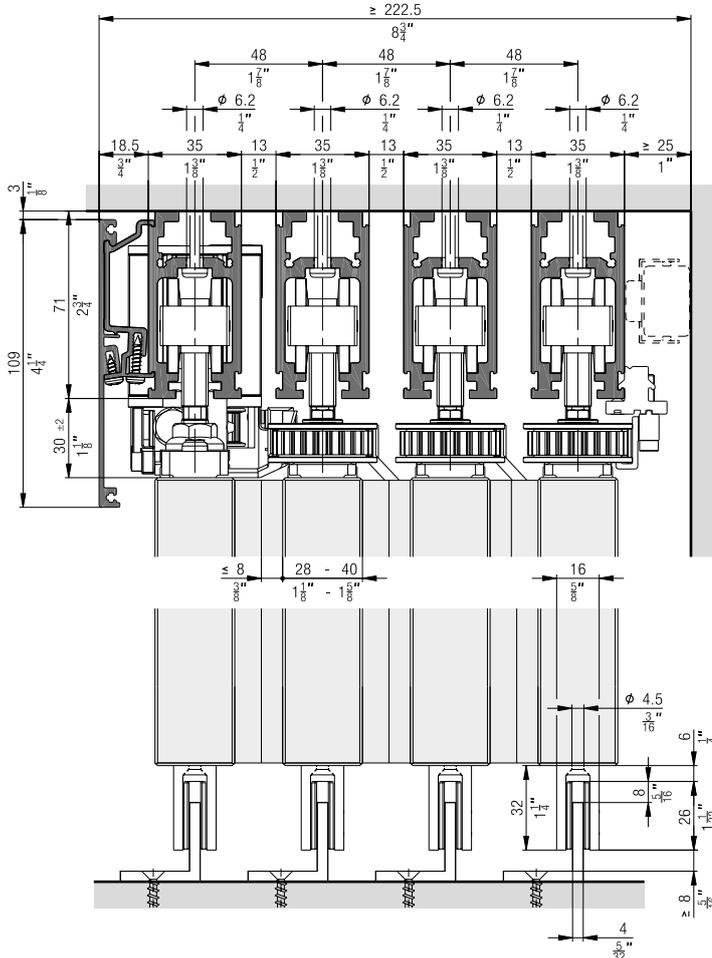
-  **Comfort** Automated system with building control interface
Optimized individual use of daylight
-  **Aesthetics** Convertible, living façade with interesting design features

Technical specifications

-  Max. 70 kg (154 lbs.)
-  Max. 3200 mm (10' 5 31/32")
-  650–1200 mm (2' 1 19/32" to 3' 11 1/4")
(Max. shutter area 3.84 m² (41 ft²))
-  28–40 mm (1 3/32" to 1 9/16")



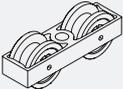
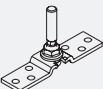
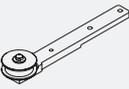
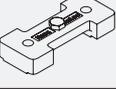
Installation examples



Set for 4 sliding shutters up to 80 kg (176 lbs.)

	No.
Hawa Frontslide 100 Matic Telescopic 4, for 4 sliding shutters	25143

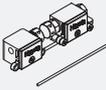
Set consisting of:

		25143	No.
	Two-wheeled running gear, M10, plastic wheels	8	24552
	Top fixing plate, stainless steel, with hanger bolt M10	8	24564
	Toothed belt clamp	1	25059
	Guide pulley wheel, with fixing plate, long	3	20139
	Guide pulley wheel, with fixing plate, short	3	20140
	Driver, wide	3	20141
	Driver, narrow	2	20142
	Driver counter-plate, wide	1	20246
	Toothed belt, 2.7 m (8'10 5/16"), fibre glass reinforced, black	3	20208

Set Motronic 100 SMI

	No.
Hawa Motronic 100 SMI for Hawa Frontslide 100 Matic, incl. control unit, toothed belt lock and pulley wheel	30521

Set consisting of:

		30521	No.
	Hawa Motronic 100 SMI with integrated control and connecting cable with a premounted Wieland plug	1	30317
	Wieland connector for Hawa Motronic 60/100/140 SMI	1	30277
	Pulley wheel for automatic mechanism	1	24792
	Toothed belt lock	1	19654
	End stop, aluminum	2	24786

Toothed belt

Toothed belt length calculation: 2 x system width

		No.
	Toothed belt, 2.7 m (8'10 5/16"), fibre glass reinforced, black	20208
	Toothed belt, 5 m (16' 4 27/32"), fibre glass reinforced, black	19667
	Toothed belt, 8 m (26' 2 31/32"), fibre glass reinforced, black	19682
	Toothed belt, 10 m (32' 9 11/16"), fibre glass reinforced, black	19668
	Toothed belt, 15 m (49' 2 9/16"), fibre glass reinforced, black	20370
	Toothed belt, 50 m (164' 1/2"), fibre glass reinforced, black	19669

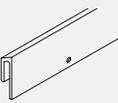
Running tracks

		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

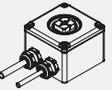
Panel attachment components

		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

Start-up box

		No.
	Commissioning box	23789
	SMI adapter for commissioning box	30363

Technical data Hawa Motronic 100 SMI

Drive with integrated controller, with SMI 3.0 BF interface, CE tested

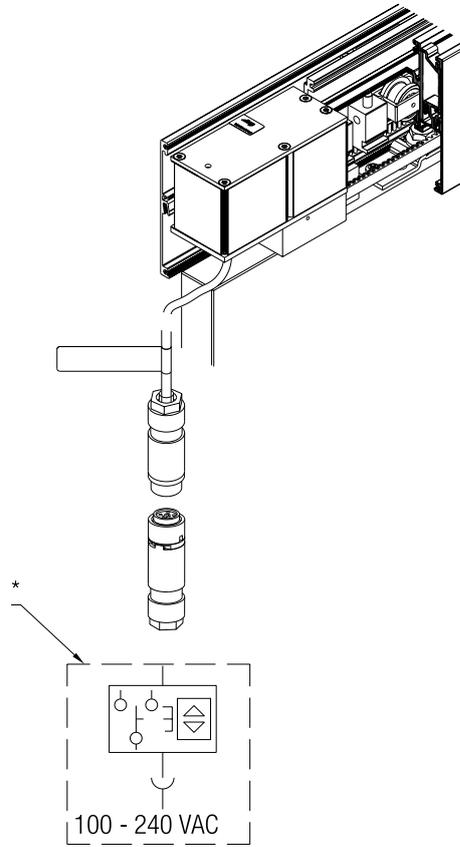
Feed:	100 – 240 VAC, 50/60 Hz, 30 W
Max. preliminary fusing:	16 A
Overvoltage category:	II
Degree of protection:	I
Temperature range:	-20° C to +60° C
Contamination level:	1
IP protection level:	IP 54
Max. speed:	70 mm/s
Max. drive power:	100 N (with internal overload protection)
Switch elements:	Customer-provided
Mains isolation device:	Customer-provided

Type plate

Hawa Motronic 100			I- →
Artikel-Nr.	30317	Hawa	
Kontakt	www.hawa.com		
Charge	20ZZ/YYYYYY		
Key-ID	0016XXXXXX, Bj: 20ZZ		
Antriebskraft max.	100 N, IP54		
100-240 VAC, 50/60 Hz, 30 W			
Geschwindigkeit max. 7 cm/s			
Betriebstemp. -20 °C bis +60 °C			I+ →

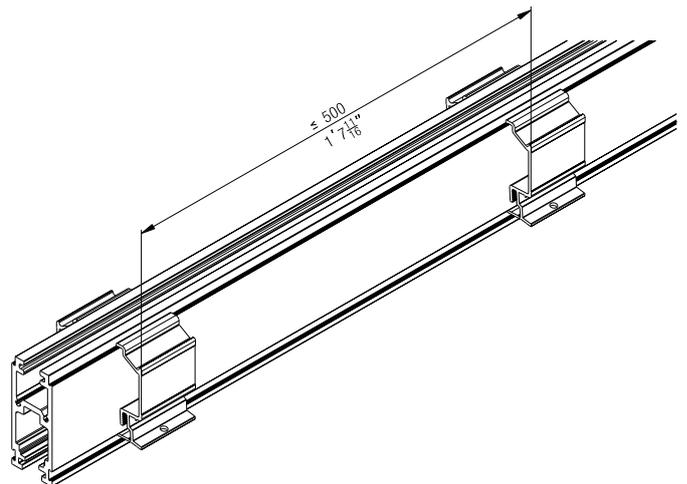
Actuation and operation of the system

The system can be operated with normal commercial sun blind switches.

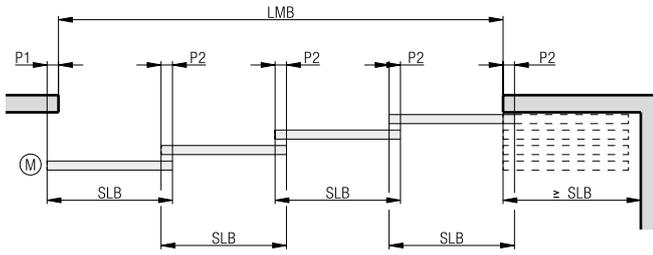


* to be provided by customer

Panel attachment component installation



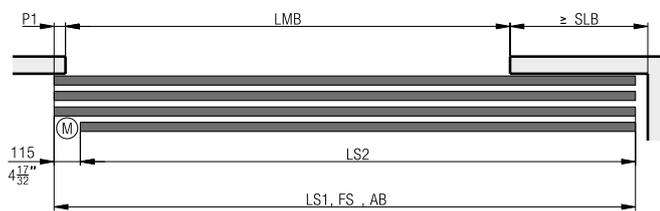
Sliding shutter width calculations



$$SLB = \frac{LMB + P1}{4} + P2$$

$P2 \geq 50 \text{ mm}$

- AB = System width
- LMB = Inside clearance
- SLB = Sliding shutter width
- P = Sliding shutter overlap
- LS1 = Inner running track
- LS2 = Outer running track
- FS = Guide track
- M = Minimum space for drive unit

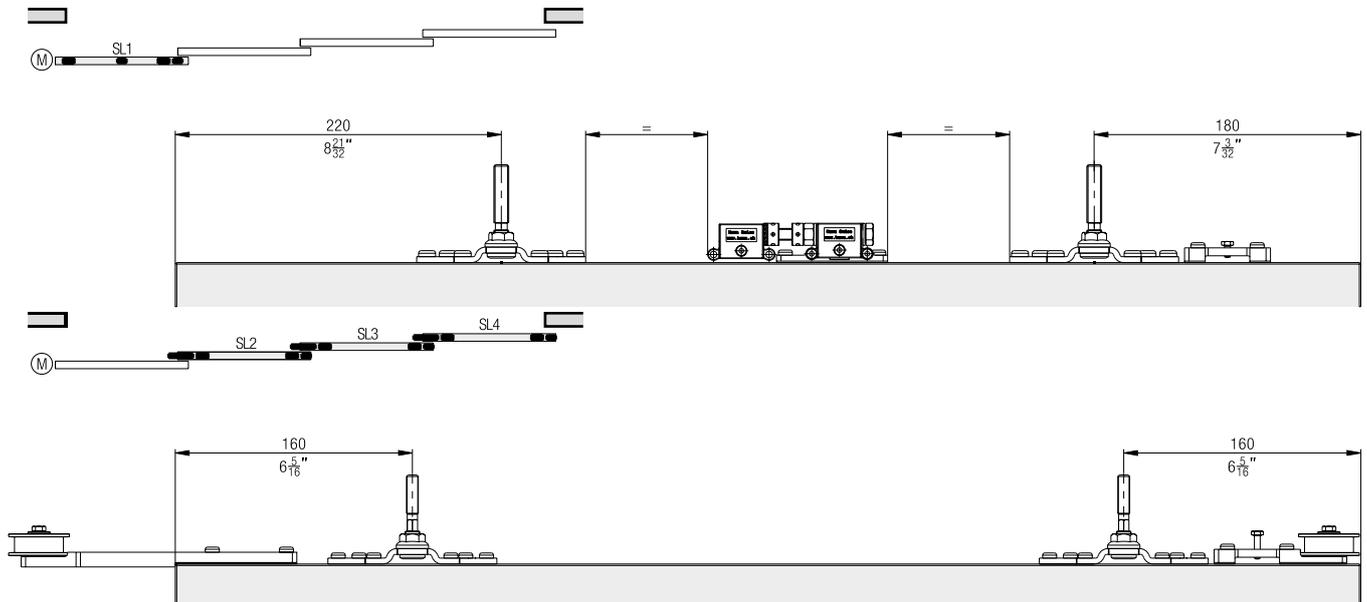


$$LS1 = LMB + P1 + SLB$$

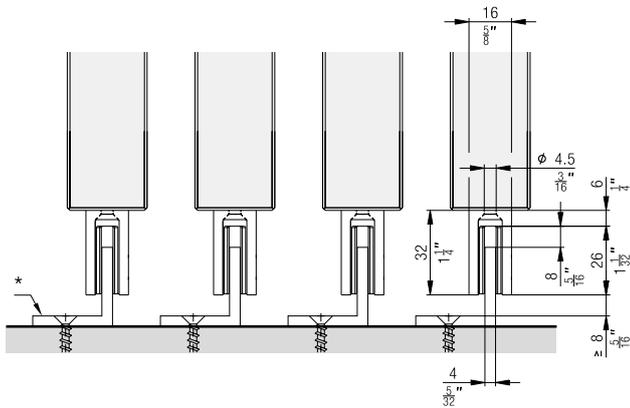
$$LS2 = LS1 - 115 \text{ mm}$$

$$FS = LS1$$

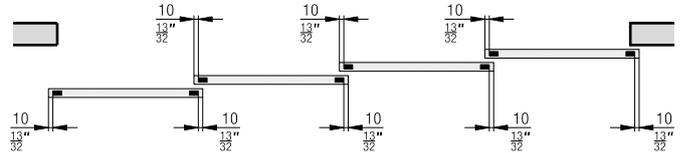
Suspension points



Guides



* to be provided by customer



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.