

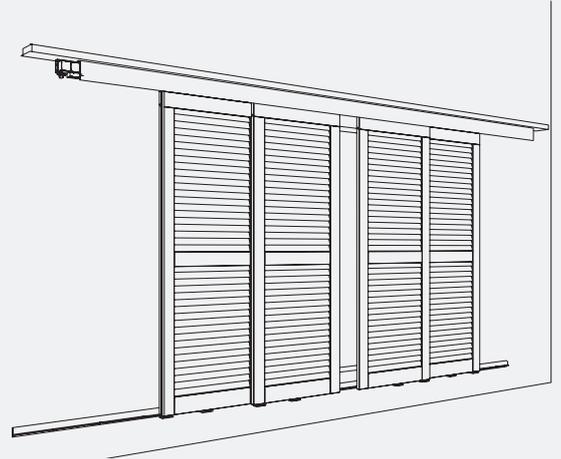
**Automated fitting with SMI interface for 4 symmetrically opening wooden or metal shutters up to 40 kg (88 lbs.). With screwed on running track. Ceiling or architrave mounting. Optionally with angled profile for wall mounting.**

**Product highlights**

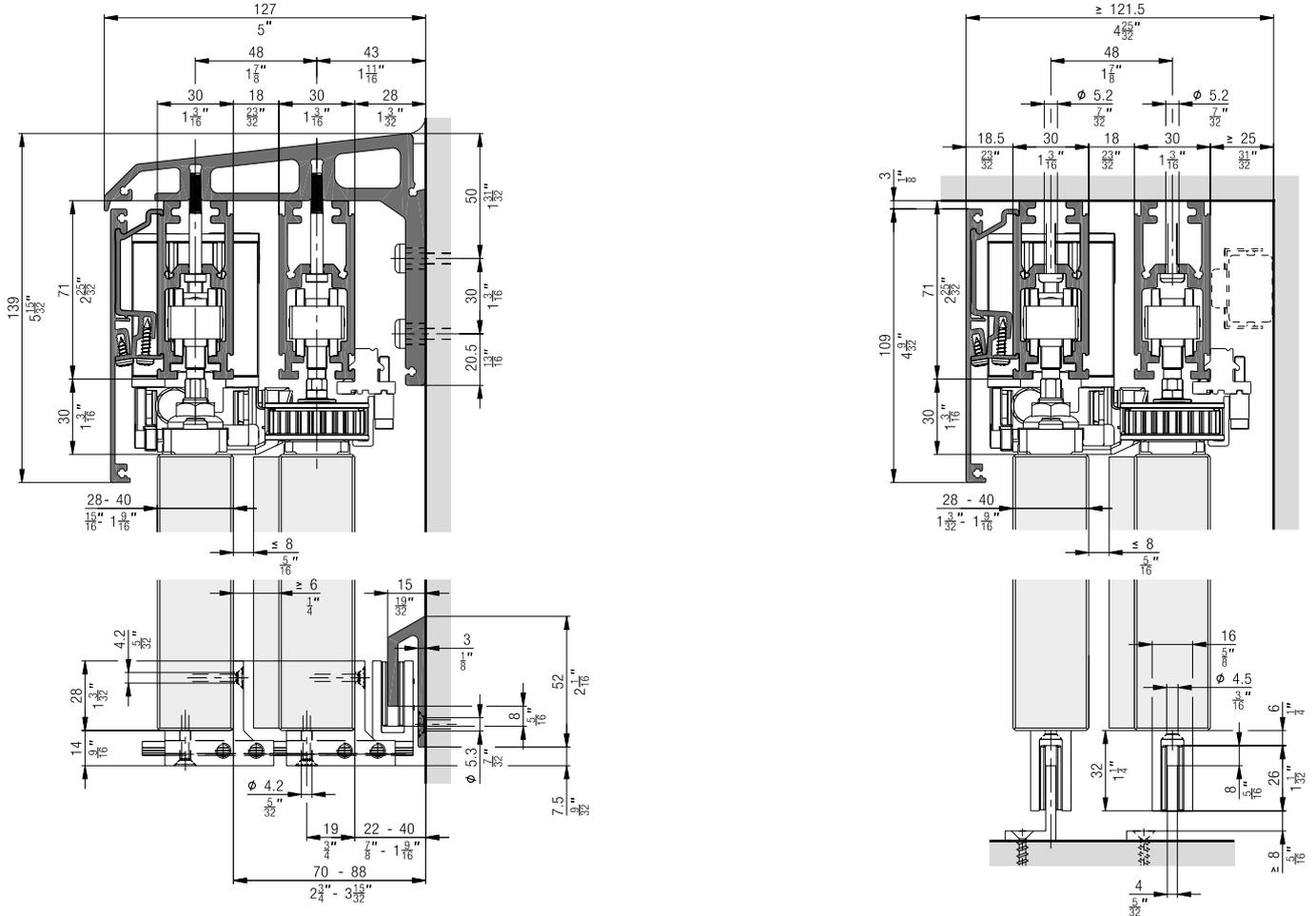
-  **Comfort** Automated system with building control interface  
Optimized individual use of daylight
-  **Productivity** Increases energy efficiency in the building

**Technical specifications**

-  Max. 40 kg (88 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 m<sup>2</sup> (41 ft<sup>2</sup>))
-  28–40 mm (1 3/32" to 1 9/16")



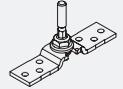
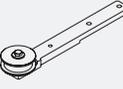
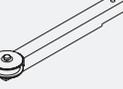
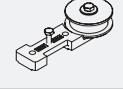
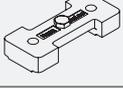
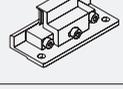
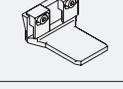
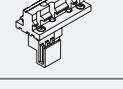
**Installation examples**



**Set for 4 sliding shutters up to 40 kg (88 lbs.)**

	No.
Hawa Frontslide 60 Matic Symmetric 2+2, for 4 sliding shutter	25134

**Set consisting of:**

	25134	No.
 Two-wheeled running gear, M8, plastic wheels	8	17119
 Top fixing plate, with suspension bolt M8, stainless steel	8	24562
 Guide pulley wheel, with fixing plate, long	1	20139
 Guide pulley wheel, with fixing plate, extra long	1	25314
 Guide pulley wheel, with fixing plate, short	2	20140
 Driver counter-plate, wide	2	20246
 Driver for Symmetric-installations	1	19655
 Driver, wide	2	20141
 Clamp for toothed belt	2	24777
 Toothed belt, 2.7 m (8'10 5/16"), fibre glass reinforced, black	1	20208
 Toothed belt, 5 m (16' 4 27/32"), fibre glass reinforced, black	1	19667

**Set Motronic 60 SMI**

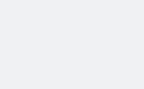
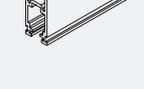
	No.
Hawa Motronic 60 SMI for Hawa Frontslide 60 Matic, incl. control unit, toothed belt lock and pulley wheel	30520

**Set consisting of:**

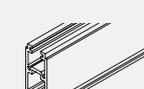
	30520	No.
 Hawa Motronic 60 SMI with integrated control and connecting cable with a premounted Wieland plug	1	30298
 Wieland connector for Hawa Motronic 60/100/140 SMI	1	30277
 Pulley wheel for automatic mechanism	1	24792
 Toothed belt lock	1	19654
 End stop, aluminum	2	24786

**Toothed belt**

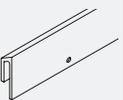
**Toothed belt length calculation: 2 x system width**

	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

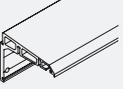
**Running tracks**

	mm (inch)	No.
 Running track, aluminum, anodized, pre-drilled	3500 (11' 5 25/32")	24839
	6000 (19' 8 7/32")	24795
	cut to size	24796

**Guide tracks**

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

**Angled profile for 2 sliding levels**

		mm (inch)	No.
	Angled profile for two sliding level, aluminum, anodized, pre-drilled	6000 (19' 8 7/32")	21384
		cut to size	21385
	Angled profile for two sliding level, aluminum, pre-drilled	6000 (19' 8 7/32")	21386
		cut to size	21387

**Connecting pins for running tracks and angled profiles**

		No.
	Connecting bolts, 6-piece set	17221

**Mounting screws for angled profiles**

The special mounting screw must be used for optimum attachment of the running track to the angled support profile.

		No.
	Special fixing screws, for securing running track to angled profile support, 10-piece set (3 pieces per meter)	19774

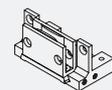
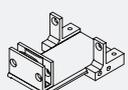
**Panels**

		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

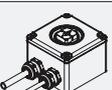
**Panel attachment components**

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

**Guides**

		No.
	Floor guide unit, short, for guide track	24543
	Floor guide unit, long, for guide track	24544
	Guide slider, for screw fixing	24542

**Start-up box**

		No.
	Commissioning box	23789
	SMI adapter for commissioning box	30363

**Accessories**

		No.
	Front cover plates for two sliding levels, wall fitting, aluminum, anodized, 1 pair	24821
	Front cover plates for two sliding levels, wall fitting, aluminum, 1 pair	24824

**Technical data Hawa Motronic 60 SMI**

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

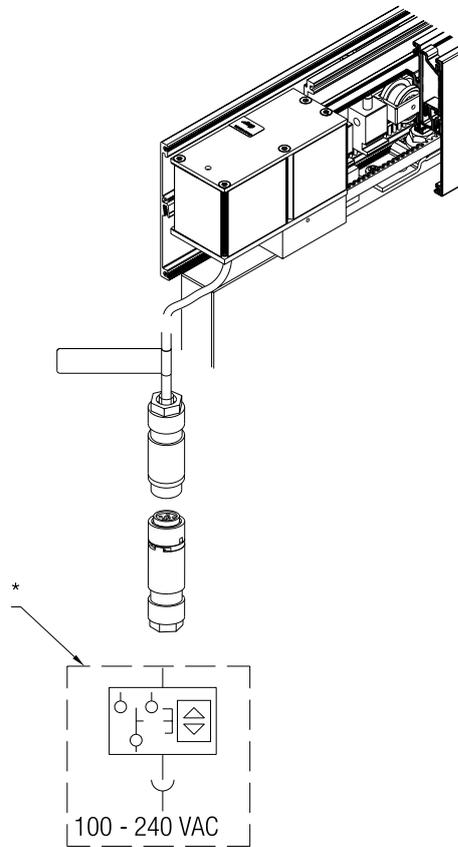
Feed:	100 – 240 VAC, 50/60 Hz, 30 W
Max. preliminary fusing:	16 A
Overvoltage category:	II
Degree of protection:	I
Temperature range:	-20° C to +60° C
Contamination level:	1
IP protection level:	IP 54
Max. speed:	100 mm/s
Max. drive power:	100 N (with internal overload protection)
Switch elements:	Customer-provided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

**Type plate**

<b>Hawa Motronic 60</b>			I- →
Artikel-Nr.	30298	<b>Hawa</b>	
Kontakt	www.hawa.com		
Charge	20ZZ/YYYYYY		I+ →
Key-ID	0016XXXXXX, Bj: 20ZZ		
Antriebskraft max. 100 N, IP54			
100-240 VAC, 50/60 Hz, 30 W			
Geschwindigkeit max. 10 cm/s			
Betriebstemp. -20 °C bis +60 °C			

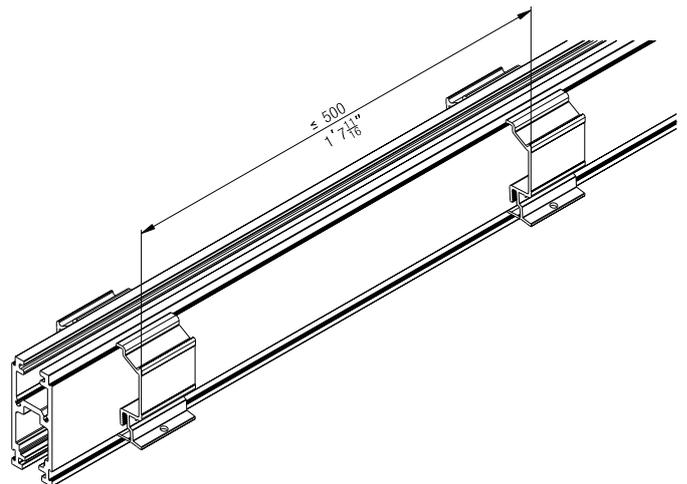
**Actuation and operation of the system**

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

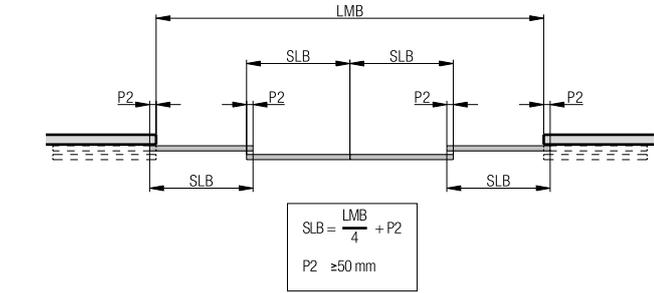


\* to be provided by customer

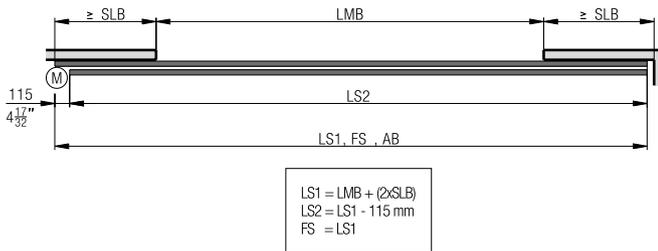
**Panel attachment component installation**



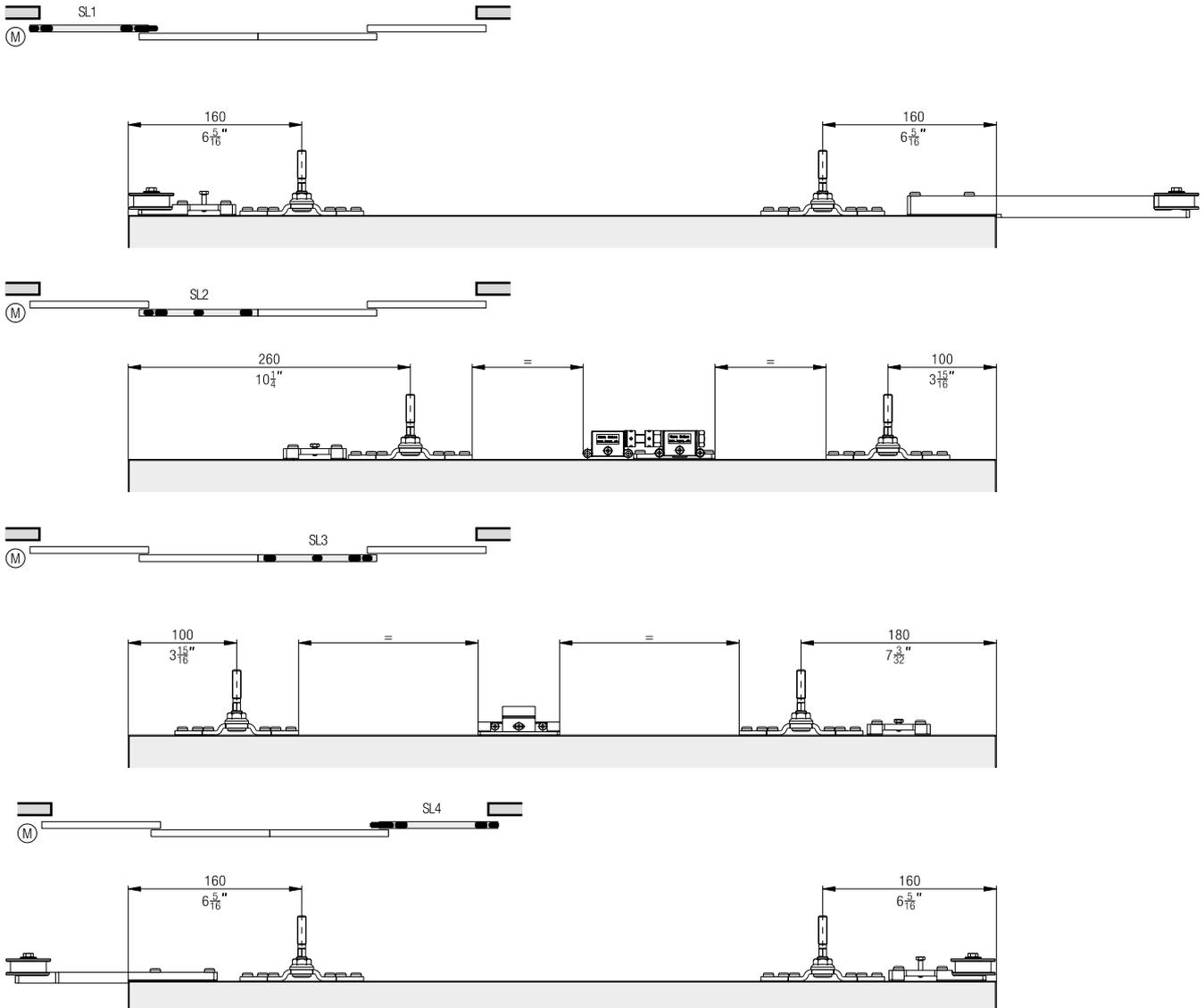
Sliding shutter width calculations



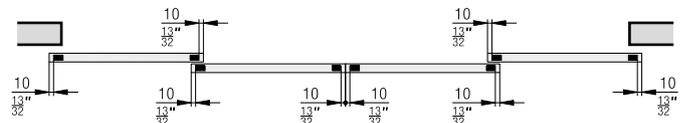
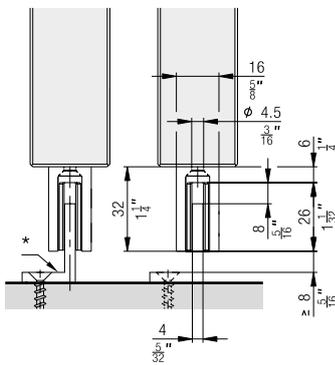
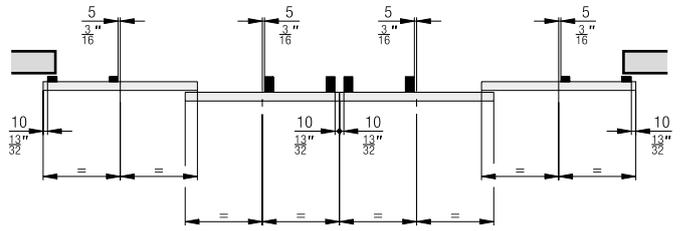
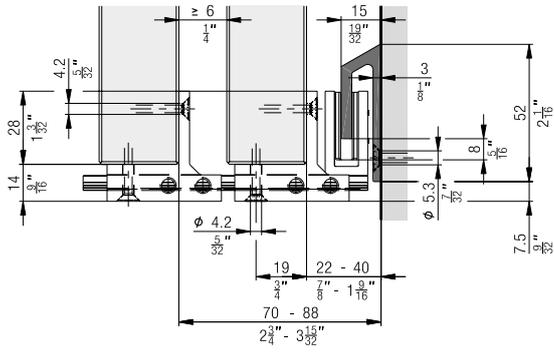
- AB = System width
- LMB = Inside clearance
- SLB = Sliding shutter width
- P = Sliding shutter overlap
- LS1 = Inner running track
- LS2 = Outer running track
- FS = Guide track
- M = Minimum space for drive unit



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](http://www.hawa.com).