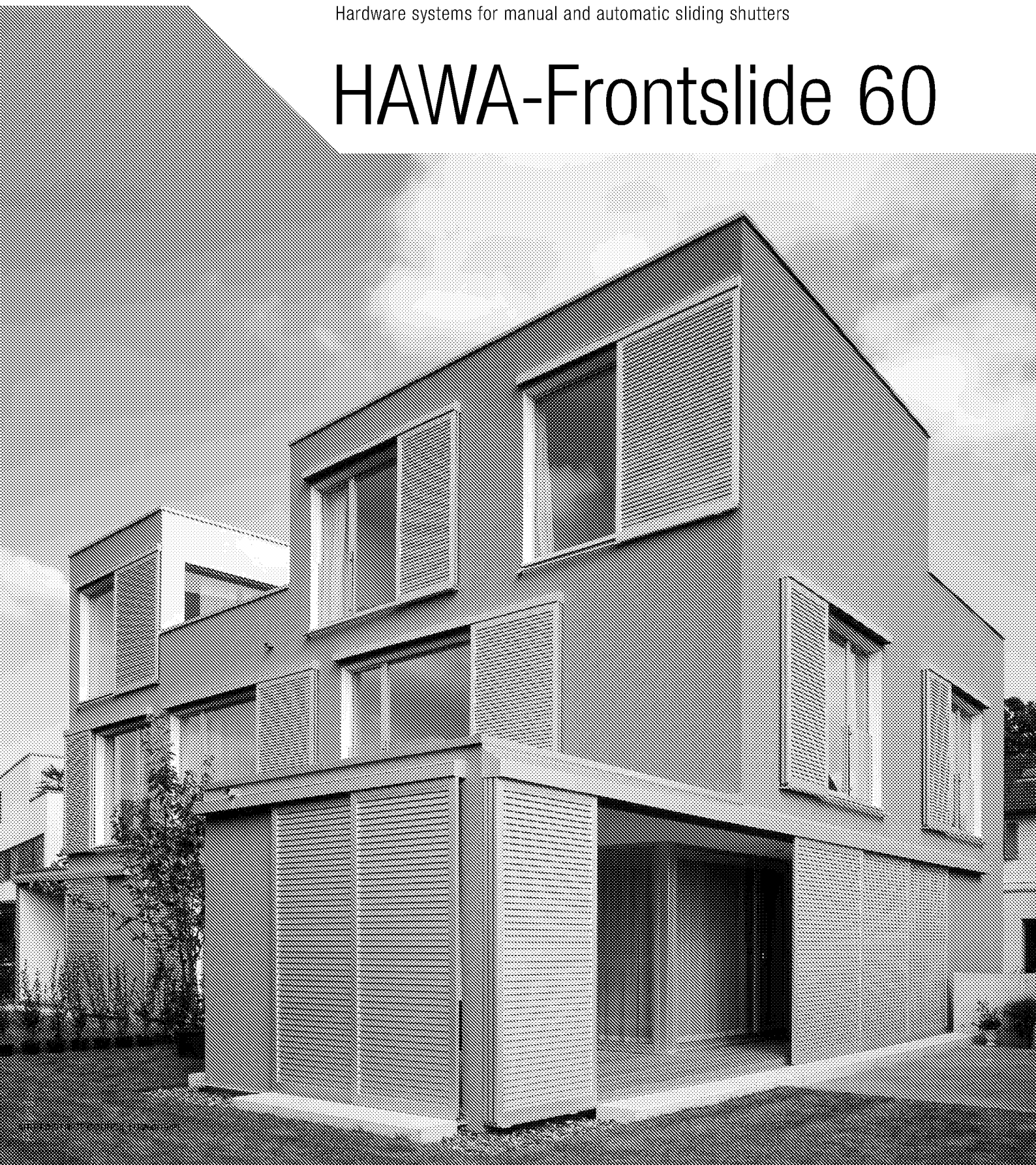


Hardware systems for manual and automatic sliding shutters

HAWA-Frontslide 60



Contents

HAWA-Frontslide 60: gain momentum in your sliding shutters

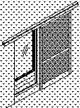
Ever more architects and building owners are discovering the qualities and versatile benefits of sliding shutters. On the one hand as functional sound, privacy and sun screens, and on the other as eye-catching, stylish elements for façade design.

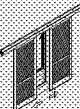
The hardware system offering the best support for this trend is the HAWA-Frontslide 60. It grants your project a sheer inconceivable scope for creative design: whether wood, metal or plastic shutters, manual or automatic, for small or large surfaces – HAWA-Frontslide 60 lets you implement every design with elegance and efficiency. And the HAWA-Frontslide product range keeps on moving with the times. Ongoing innovation, improvement and optimisation of the hardware product range guarantee you will continue to set many things in motion with sliding shutters in the future.

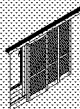
Hawa AG: always a guarantor for top quality

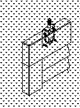
Since its foundation over 40 years ago, Hawa AG has been a benchmark for best workmanship, precise finishing and high quality. Switzerland always was and still is our location of choice for all our production work. Not least because of the fact that our business philosophy is based on typical Swiss values such as safety, precision, durability and high quality of service.

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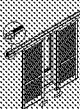
Page 4 HAWA-Frontslide 60/A Hardware for manual sliding shutters	
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Page 6 HAWA-Frontslide 60/A-Symmetric Hardware for symmetric movement of two sliding shutters	
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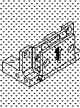
Page 7 HAWA-Frontslide 60/A-Telescopic Hardware for telescopic sliding shutter movement	
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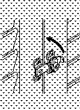
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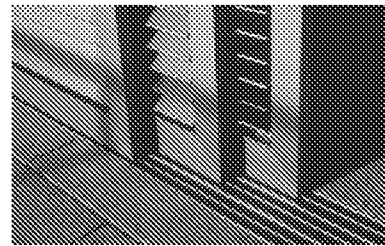
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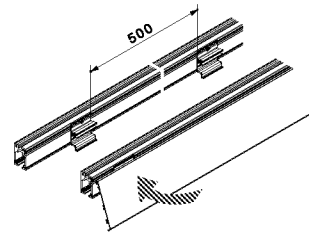
HAWA-Frontslide 60/A

About the product

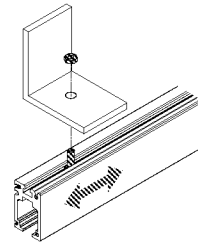
It may not have been around for long. But the HAWA-Frontslide 60/A can nonetheless already be called a classic among sliding hardware systems. This system grants you every option to exploit the qualities of function and design inherent in modern sliding shutters. Flexible, hardwearing and characterised by the smooth, quiet running properties and rattle-proof guiding technology so typical of Hawa, it gives a convincing performance from end to end. And installing the all-rounder is as impressively convenient as its operation.



Guides for every situation.



Sophisticated top tracks: coverable from one side or rotatable by 180 degrees for fixing channels invisible from the front.



Easy screw fitting: precise positioning thanks to assembly groove.

Technical specifications

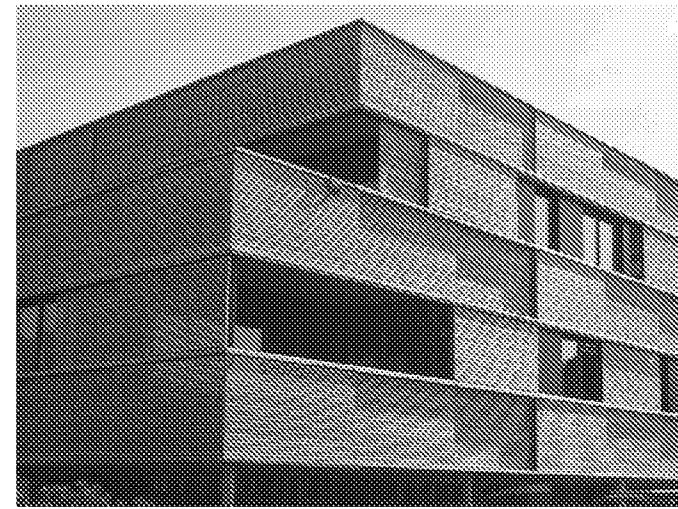
400mm (1'3")

Max. shoring shifter height
3200 mm (10'6")

Sliding shutter thickness
25–40 mm (1–1.5")



Beautiful and beautifully practical: sliding shutters

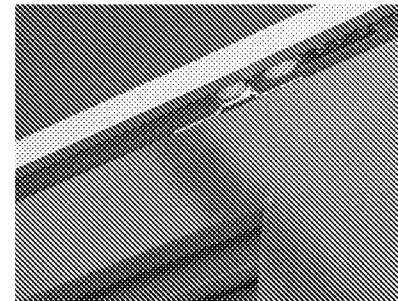


Highly flexible: very wide models and various sliding shutter arrangements are possible.

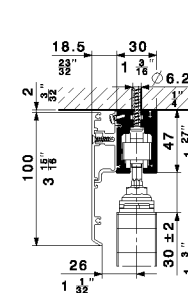


At a glance

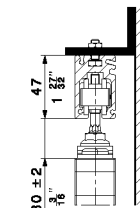
- ✦ Trouble-free opening and closing without leaning out, in any weather.
- ✦ Developed specifically for external use, very high resistance to corrosion.
- ✦ Simple to install thanks to wall, ceiling and window lintel fittings.
- ✦ Discreet optics: clip-on covers conceal top tracks and hardware components from one side.
- ✦ Various bottom guides available for any construction situation.
- ✦ Top track with assembly groove for custom mounting to pre-existing wall consoles.
- ✦ Various locking variants prevent the shutters from opening of their own accord and increase protection against burglary.
- ✦ External tests verify highest wind resistance (class 6).



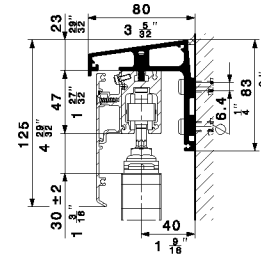
Corrosion-resistant materials:
for longer lasting enjoyment and
convenience.



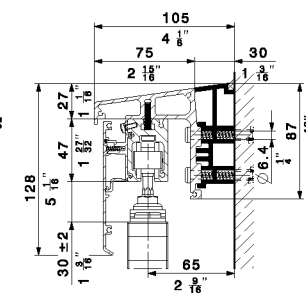
Ceiling or window
lintel fitting.



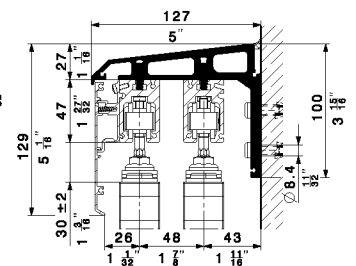
Fixing bracket
provided
by customer.



Angled profile support
for one sliding level.



Spacer profile (weatherboard)
for angled profile support for
one sliding level.



Angled profile support
for two sliding levels.

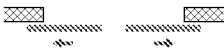
Hardware for symmetric movement of two sliding shutters

HAWA-Frontslide 60/A-Symmetric

About the product

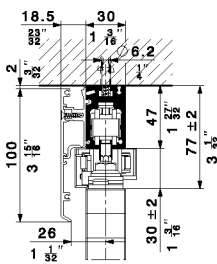
Do you appreciate particularly efficient hardware? If you do the HAWA-Frontslide 60/A-Symmetric was made with you in mind. It allows you to move two sliding shutters simultaneously with just one hand. And it does so with a particularly robust design: the sliding shutters are connected by a glass-fibre reinforced, UV-resistant toothed belt that is totally immune to changes in temperature, corrosion and sunlight. Durable, sophisticated, easy to install and very convenient: the Symmetric is as typical as any other member of the HAWA-Frontslide family.

Technical specifications	
Max. sliding shutter weight	60kg (132 lbs)
Sliding shutter width	550–1800mm (17' 3/4"– 5'11 1/2")
Max. sliding shutter height	3200mm (10'6")
Sliding shutter thickness	28–40mm (1 1/8"–1 1/2")

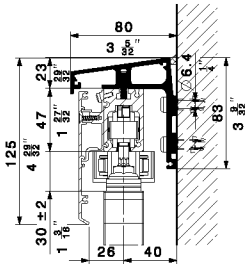


At a glance

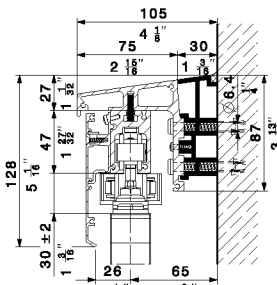
- Convenient, symmetrical opening and closing of two sliding shutters at the touch of a hand.
- Enables symmetrical façade design.
- Durable, maintenance-free design with a long lifetime thanks to glass-fibre reinforced toothed belt.
- Fast and efficient installation from the outside or from below thanks to unrestricted access to fastening components.
- Plus all the benefits of the HAWA-Frontslide 60/A.



Ceiling or window lintel fitting.



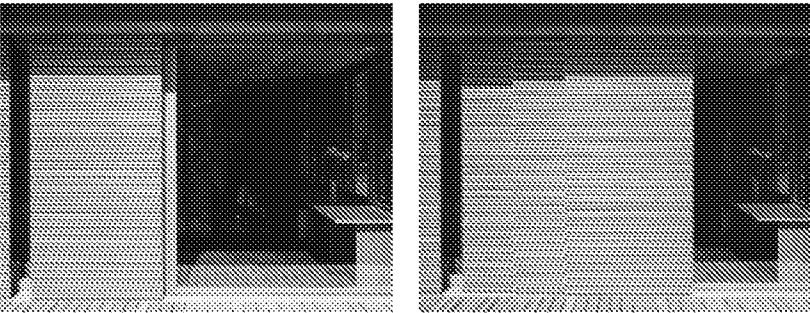
Angled profile support for one sliding level.



Spacer profile (weatherboard) for angled profile support for one sliding level.

Hardware for telescopic movement of 2 to 4 sliding shutters

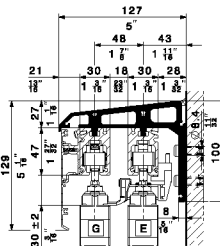
HAWA-Frontslide 60/A-Telescopic



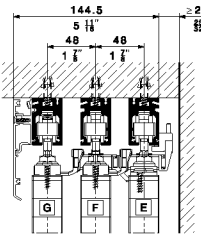
Space-saving: shutters need surprisingly little room when opened.

About the product

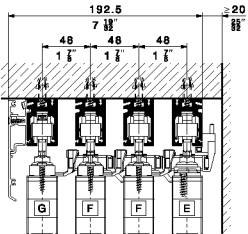
An especially space-saving solution is available for particularly large-surface window areas: the HAWA-Frontslide 60/A-Telescopic. It moves up to 4 sliding shutters softly and quietly into the desired position. Other than conventional designs the shutters are not drawn together with catches but are connected by high-quality, glass-fibre reinforced toothed belts – a property that eliminates the disturbing stopping noise. However, these elaborate systems provide enjoyment long before their first actual use: you will find the shutters almost as easy to install as they are to open and close thanks to unrestricted access to fastening components and options such as the angled profile support for two sliding levels.



Angled profile support for two sliding shutters.

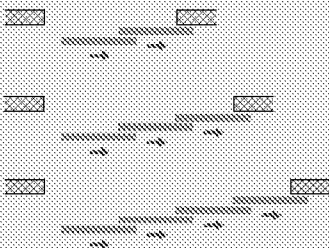


Ceiling or window lintel fitting for 3 and 4 sliding shutters.



At a glance

- Simultaneous movement of up to 4 sliding shutters for screening large window areas.
- No stopping noise caused by colliding catches.
- Durable, maintenance-free design with a long lifetime thanks to glass-fibre reinforced, UV-resistant toothed belts.
- Fast and efficient installation from the outside or from below thanks to unrestricted access to fastening components.
- Plus all the benefits of the HAWA-Frontslide 60/A.

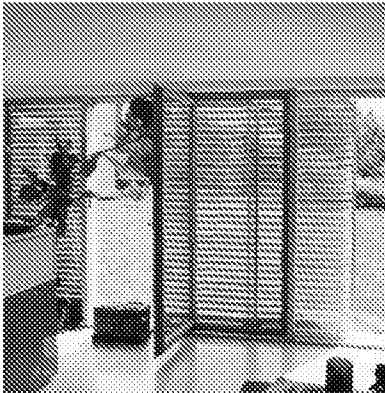


Hardware with patented suspension for minimal installation height

HAWA-Frontslide 60/B

About the product

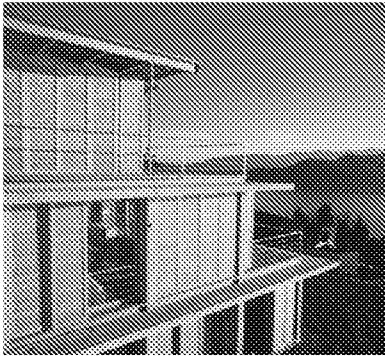
The ability to accommodate large-surface façade designs, low space requirements, variable privacy and sun screening: every advantage that speaks for sliding shutters also speaks for the HAWA-Frontslide 60/B. Yet these are not the only advantages the hardware has to satisfy your needs. Its patented suspension system, for instance, guarantees maximum efficiency combined with minimal installation height and is a prime example of installation friendliness. It could not be easier to install and remove shutters or to adjust their height from inside the room. And it doesn't need any cover to get going thanks to concealed suspension cups and the virtually invisible angled profile on the wall.



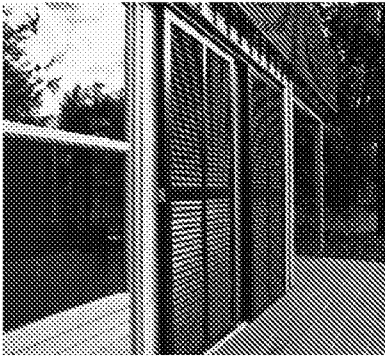
Practical: fitting, removing and adjusting the height of sliding shutters from inside the room.



Variable privacy and sun screening for large-surface façade designs.

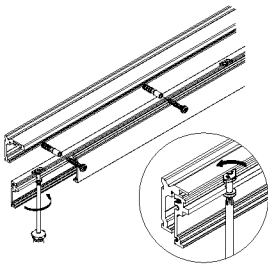


Limited space: HAWA-Frontslide 60/B is the solution.

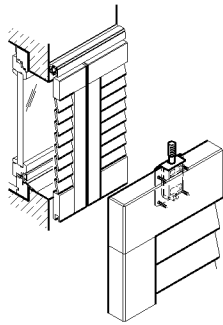


At a glance

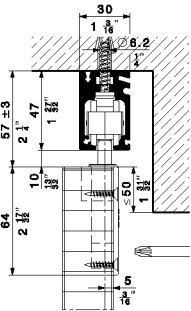
- Minimal installation height thanks to patented suspension cups.
- Installation could not be easier – everything can be installed, removed and adjusted from inside the room.
- Simple wall and ceiling fitting without a cover.
- Very high corrosion resistance.
- Smooth, quiet running and simple manual operation.
- Various bottom guides available for any construction situation.
- Various locking variants prevent the shutters from opening of their own accord and increase protection against burglary.



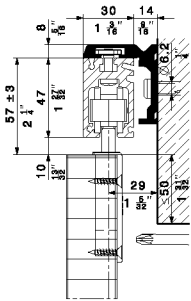
Intelligent wall fitting: elegant, coverless design.



Low space requirements and minimal installation height.



Ceiling fitting.



Wall fitting with angled profile.

Technical specifications	
Max. sliding shutter weight	60 kg (132 lbs)
Min. sliding shutter width	400 mm (15 7/8")
Max. sliding shutter height	2,000 mm (65'6")
Sliding shutter track ext.	20 - 40 mm (3/4" - 1 1/2")



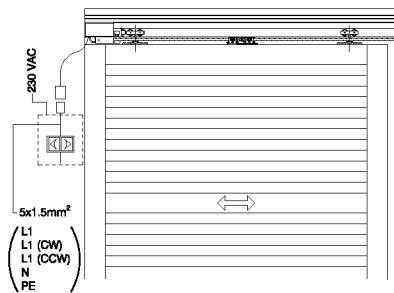
HAWA-Frontslide 60/matic



Technical drive unit details	
The integrated control is acti- vated by commercially available roller blind switches.	
Optional connection to facility management	
Operating voltage	230 VAC
	50–60 Hz
Protection class	IP 64
CE tested	

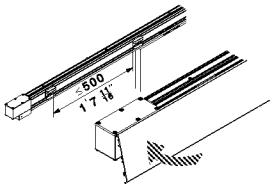
About the product

Can you increase the convenience offered by the HAWA-Frontslide 60/A? You can: with the HAWA-Frontslide 60/matic and its future-oriented drive unit with integrated control. Move your sliding shutters smoothly and quietly into any position at the touch of a button. The intelligent control allows for slow acceleration and braking movements. It also detects the exact position of the sliding shutter by counting and storing the number of motor revolutions. By the way, the brushless motor and its high-quality gearbox are endurance artists par excellence. It follows the same orderly course without breakdown or maintenance and even helps to conserve energy. This is because automation makes shutters moveable without first opening the window. Thus, heat stays out during the summer but stays in during the winter.

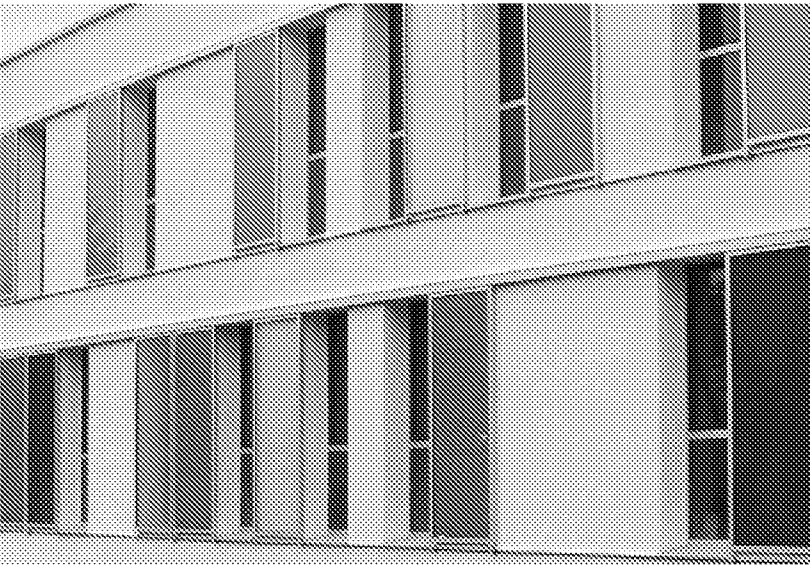


At a glance

- System from one cast and pro-
duction run with high-quality
components for full compatibility
and a long life.
- Efficient drive with integrated
intelligent control.
- Optimum safety: the drive unit
stops when it encounters an
obstacle.
- Total system conforms to CE
requirements and fulfils all Euro-
pean directives, standards and
safety regulations.
- Easy to plan and install. No need
for special connection cables or
external controls.
- Activation via commercially
available roller blind switches:
enables a uniform design for
operating elements.
- Systems can be connected to
facility management controls.

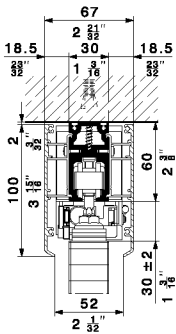


Top tracks coverable from both sides.

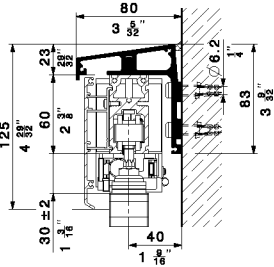


Resistant to corrosion and splash water (IP 54):
every HAWA-Frontslide 60/matic runs durably
without breakdown or maintenance.

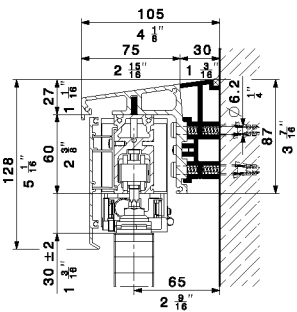
Technical specifications	
Max. sliding shutter weight	60 kg (132 lbs.)
Min. sliding shutter width	990 mm (1'11 1/2")
Max. sliding shutter height	2200 mm (16'8")
Sliding shutter thickness	28–40 mm (1 1/8"–1 5/8")
Max. installation width	7500 mm (24'7 1/2")



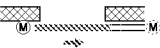
Ceiling or window
lintel fitting.



Angled profile support
for one sliding level.



Spacer profile (weatherboard)
for angled profile support
for one sliding level.



The automatic hardware system for two symmetrically moving sliding shutters

HAWA-Frontslide 60/matic-Symmetric

About the product

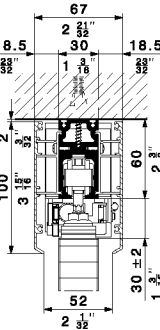
Are you looking for a motorised sliding shutter hardware system that offers a perfect combination of efficiency and convenience? Then allow us to introduce the HAWA-Frontslide 60/matic-Symmetric, which allows you to move two sliding shutters simultaneously with just one touch of a button thanks to a state-of-the-art drive unit with integrated control. And the pleasure it brings is long-lasting: guaranteed by a rock-solid design from one cast in connection with high-quality components such as a glass-fibre reinforced, UV-resistant toothed belt that is insusceptible to wind and weather.

At a glance

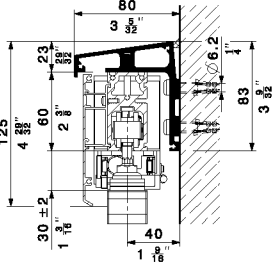
- Automated, symmetrical opening and closing of two sliding shutters with just one electric motor.
- Durable, breakdown- and maintenance-free design with a long lifetime thanks to a glass-fibre reinforced toothed belt.
- Disassembly of sliding shutters without removal of drive unit or toothed belt.
- Plus all the benefits of the HAWA-Frontslide 60/matic.



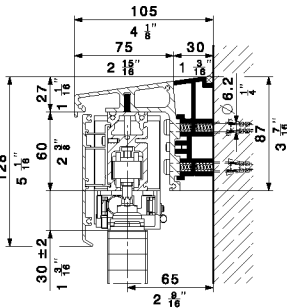
Enables a symmetrical façade design:
HAWA-Frontslide 60/matic-Symmetric.



Ceiling or window
lintel fitting.

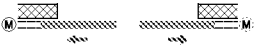


Angled profile support
for one sliding level.



Spacer profile (weatherboard)
for angled profile support for
one sliding level.

Technical specifications	
Max. sliding shutter weight	60 kg (132 lbs)
Sliding shutter width	600–1500 mm (19' 5"–4' 11' 3")
Max. sliding shutter height	3200 mm (10' 6")
Sliding shutter thickness	28–40 mm (1 1/8"–1 5/8")
Max. installation width	7960 mm (26' 1' 3")



The automatic hardware system for 2 to 4 telescopically moving sliding shutters

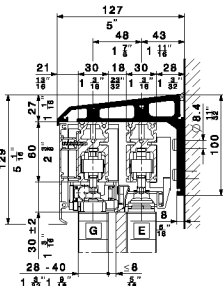
HAWA-Frontslide 60/matic-Telescopic

About the product

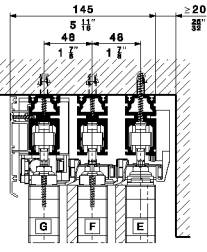
Whoever needs to provide shade to façades with a high glass proportion will benefit from end to end from the advantages of a HAWA-Frontslide 60/matic-Telescopic. Its aesthetically appealing automatic sliding unit moves the open shutters in front of each other to take up very little room. And the HAWA-Frontslide 60/matic-Telescopic is also at the forefront from a functional viewpoint: you can move up to 4 shutters with one single motor. The shutters are not pulled along by catches but, just as its manually operated cousins, are connected by high-quality, glass-fibre reinforced toothed belts that eliminate the disturbing noise caused by the catches. This characteristic enhances the system's astoundingly low overall noise level. Its ease of operation is on a par with its ease of installation. The hardware system sets new standards in this area, too, thanks to freely accessible fitting components and options such as the angled profile support for two sliding levels.

At a glance

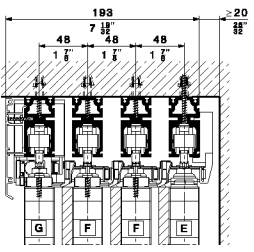
- Automatic, telescopic opening and closing of up to 4 shutters with one single motor.
- Economic alternative to individually controlled shutters which each require a drive unit.
- Extremely space-saving as the sliding shutters need only a fraction of the space when open.
- No stopping noise caused by colliding catches.
- Durable, maintenance-free design with a long lifetime thanks to glass-fibre reinforced, UV-resistant toothed belts and further high-quality components.
- Fast and efficient installation from the outside or from below thanks to unrestricted access to fitting components.
- All the benefits of the HAWA-Frontslide 60/matic and more.



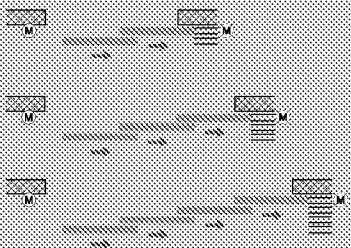
Angled profile support
for two sliding shutters.



Ceiling or window lintel fitting for 3 and 4 sliding shutters.



Technical specifications	
Max. shutter weight for	2 shutters 60 kg (132 lbs) / shutter
	3 shutters 50 kg (110 lbs) / shutter
	4 shutters 40 kg (88 lbs) / shutter
Sliding shutter width	600–1500 mm (19' 5"–4' 11' 3")
Max. sliding shutter height	3200 mm (10' 6")
Sliding shutter thickness	28–40 mm (1 1/8"–1 5/8")

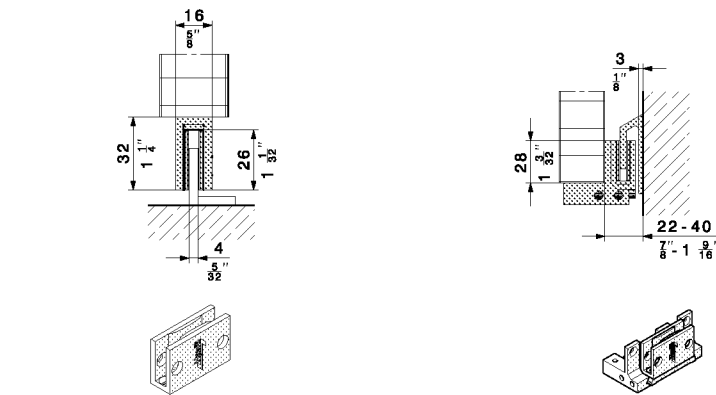
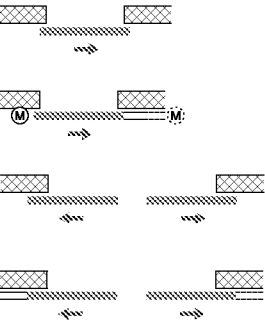


Bottom guides

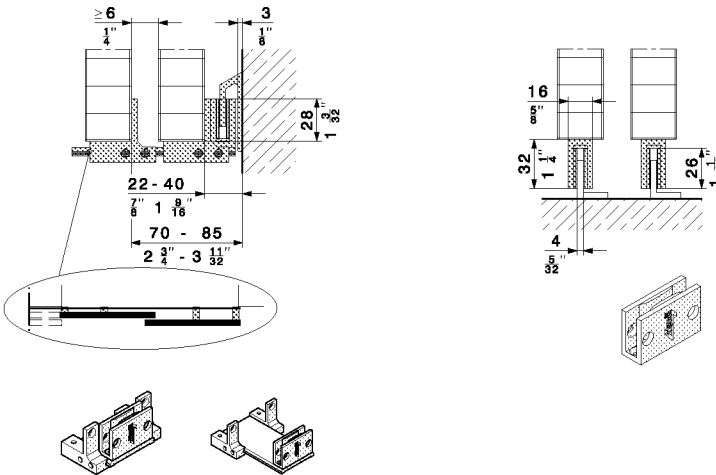
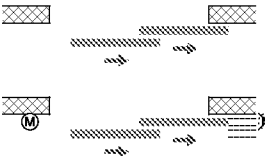
Bottom guides

You can build on rock-solid stability with the HAWA-Frontslide 60. This is due in part to its guiding qualities: your sliding shutters will stay true to their course in any constructional situation thanks to rattle-proof guide technology that is so typical of Hawa.

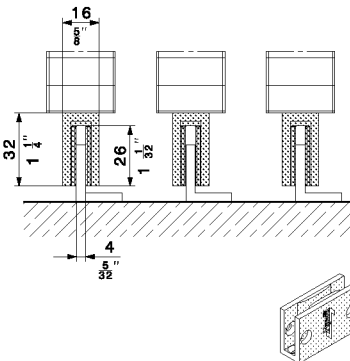
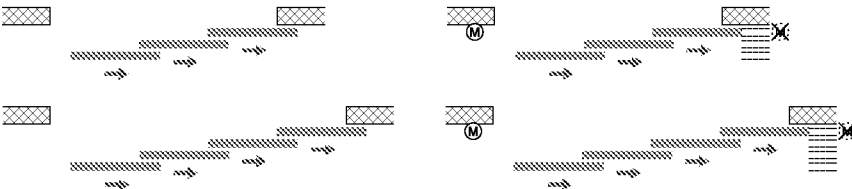
Guides for single and symmetrical applications



Guides for 2-door telescopic applications



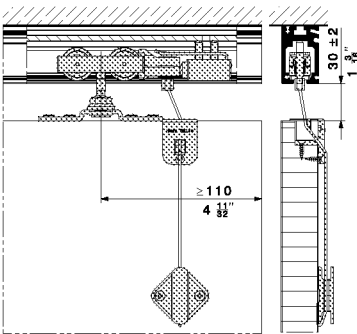
Guides for 3 and 4-door telescopic applications



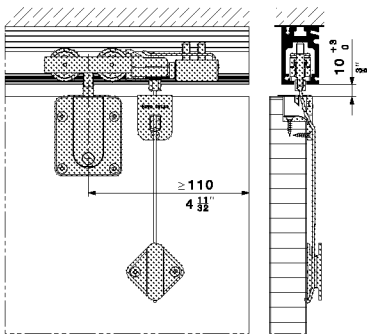
Locking mechanisms

Locks for sliding shutters

These manual shutters are simply unshakeable when it comes to locking up as the latch engages automatically when the shutters are closed. The latch is easily released from the inside via a cable pull, but not even the strongest winds stand a chance on the outside.



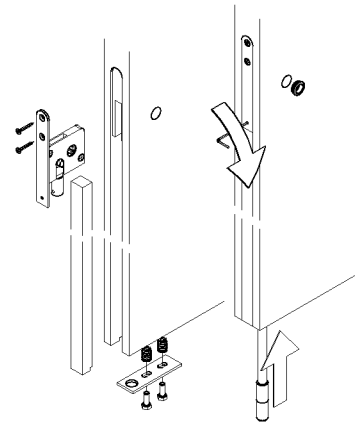
Sliding shutter lock in combination with HAWA-Frontslide 60/A.



Sliding shutter lock in combination with HAWA-Frontslide 60/B.

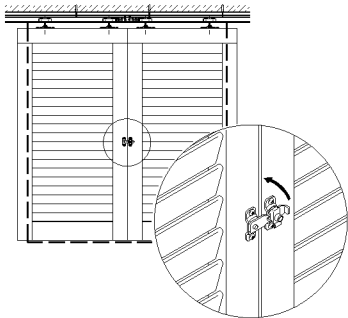
HAWA-bar bolt lock

Keep things safe and sound with the tried and tested HAWA-bar bolt lock that secures shutters at handle height.



Sliding shutter catch

A sliding shutter catch that holds two opposing shutters together effectively prevents sliding shutters from opening of their own accord.



Further information:

Hawa AG



Available from specialist dealers