Folding and sliding hardware systems

Glass/Metal
Welcome

About Hawa AG

Pivoting, sliding and folding architectural hardware has been at the centre of our world ever since 1965, together with the fascinating applications they open up for our customers. This has gained us international repute and recognition in our specific business areas of architectural hardware for glass/metal, architectural hardware for wood, architectural hardware for sliding shutters and furniture hardware. And Swiss quality is still our leading principle to this day. Our products are manufactured in Switzerland’s Mettmenstetten, despite an export ratio of more than 80%. This is not least because our philosophy is based on typical Swiss values such as precision, safety and reliability.

About this brochure

Defining and optimising spaces, solving problems, saving time – our glass/metal hardware carries an impact far beyond its sliding or folding action. This brochure is designed to convey impressions and provide inspiration for the exciting and varied possibilities and opportunities that our products offer. Should you want more detailed information about particular hardware, or if you have a specific problem, then please contact us – we will be happy to help.
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For floor-to-ceiling, all-glass sliding doors with concealed suspension

HAWA-Puro 100–150

The principle

Designing and partitioning rooms with glass is a pure joy with HAWA-Puro 100–150. Its concealed suspension and ceiling-integrated top track leave no visible sign of the sliding hardware. This leaves all the more room to set the stage for the fascinating medium glass, they move so smoothly and quietly. All of these factors make it predestined for applications in representative public and private rooms. And its convenience and ease of installation are further reasons as to why the HAWA-Puro 100–150 is held in high regard not only by design purists.

The benefits

- Best running properties and a long lifetime.
- Purist design solution thanks to technology completely integrated into the top track.
- Ceiling-flush top tracks, fully integrated in concrete or suspended light-weight ceilings or surface mounted.
- Additional profiles, removable from below, for use as covers and for integrating stationary glass elements or fixed wood elements.
- Patent-pending wedge suspension for rapid height adjustment and trouble-free installation.
- High degree of operational safety thanks to form-fitting, totally stable connections between hardware and glass.

Increased safety and versatile design options thanks to fully tempered laminated glass (VSG).

Technical specifications

<table>
<thead>
<tr>
<th>Door weight</th>
<th>up to 100, 150kg (220, 330lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass thickness of sliding door ESG*</td>
<td>8/10/12/12.7 mm (5/16”/5/32”/5/16”/3/8”)</td>
</tr>
<tr>
<td>VSG**</td>
<td>8–13 mm (5/32”–1/2”)</td>
</tr>
<tr>
<td>Glass thickness for stationary glass ESG*/ VSG**</td>
<td>8–12 mm (5/32”–3/8”)</td>
</tr>
<tr>
<td>with silicone up to 13 mm (1/2”)</td>
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<table>
<thead>
<tr>
<th>Trolleys</th>
<th>HAWA-Puro 100 4 rollers</th>
<th>HAWA-Puro 150 6 rollers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>* fully tempered monolithic glass</td>
<td>* fully tempered laminated glass</td>
</tr>
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</table>

4
The principle

The HAWA-Purolino-PLUS 80 likes to prove its strengths out of sight in much the same way as its close relative, the HAWA-Puro 100–150. All components disappear in top tracks that are either plain anodized or upgraded to a stainless effect that not only fit to the wall but also to and even in the ceiling. As invisible the HAWA-Purolino-PLUS 80 is, all the more apparent are the qualities of this design hardware for all-glass sliding doors. Take, for instance, the smooth running properties owed to a high-quality trolley. Particularly pleasing: the gentle door deceleration by the SoftMove 80 soft closing mechanism that pulls the doors softly and silently into the end position. Another good reason why the hardware system is fully entitled to the Plus in its name.

The benefits

- Glass retention technology completely integrated in the top track.
- Top track, fixed glass and cover profiles available in alu plain anodized or in a stainless steel effect.
- Patent-pending wedge suspension for trouble-free installation and quick and easy height adjustment.
- Form-fitting, stable connections between hardware and glass provide high operational safety.
- Gentle door deceleration by an optional SoftMove 80 soft closing mechanism with a hydraulic oil damper on one or both sides.

Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. door weight</td>
<td>80 kg (176 lbs.)</td>
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<tr>
<td>Min. door width without SoftMove 80</td>
<td>600 mm (1'11 1/2&quot;)</td>
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<tr>
<td>with SoftMove 80</td>
<td>850 mm (2'9 1/2&quot;)</td>
</tr>
<tr>
<td>Glass thickness of sliding door ESG*</td>
<td>8/10/12/12,7 mm (5/8&quot;-1&quot;)</td>
</tr>
<tr>
<td>VSG**</td>
<td>8–12,7 mm (5/8&quot;-1&quot;)</td>
</tr>
<tr>
<td>Glass thickness for stationary glass ESG/VSG**</td>
<td>8–12 mm (5/8&quot;-1&quot;)</td>
</tr>
<tr>
<td>Height adjustable</td>
<td>±3 mm (1/8&quot;)</td>
</tr>
</tbody>
</table>

* fully tempered monolithic glass
** fully tempered laminated glass
Sliding glass door elegance with unobtrusive point suspension

HAWA-Junior 40 – 160/GP

The principle

HAWA-Junior 40 – 160/GP is the benchmark reference for sliding glass door hardware. Unobtrusive point suspension leaves the spotlight firmly on the visual qualities of the glass architecture itself. For the final touch, there is a wide range of cover caps in many looks: rounded or square, finished in stainless steel effect, chrome, brass, or plain for painting in custom colours. Unobtrusive means quiet as well, with virtually silent running and a rattle-proof bottom guide that effectively stops vibration.
The benefits

- High-quality, near-noiseless sliding mechanism, proven in thousands of installations.
- High-end design with rounded or square cover plates available in stainless steel, chrome or brass finishes, or plain for custom painting.
- Easy operation thanks to track stop with adjustable retainer for various door weights.
- Panels fit from the interior, for break-in resistant top suspension.
- Rattle-proof bottom guide prevents sliding doors from rattling.
- SoftMove 80 soft closing mechanism for HAWA-Junior 80 gently brakes and closes the sliding door.
- Extensive accessory range: like the HAWA-Toplock with square cover plates, or the clever HAWA-Junior angled profile, for side fixing to walls without concealment covers.
- Both fully tempered monolithic glass (ESG) and fully tempered laminated glass (VSG) can be used.

Technical specifications

<table>
<thead>
<tr>
<th>Door weight up to</th>
<th>40, 80, 120, 160 kg (88, 176, 264, 352 lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass thickness sliding door</td>
<td></td>
</tr>
<tr>
<td>ESG* 8/10/12/12.7 mm (5/32/5/32/5/32&quot;)</td>
<td></td>
</tr>
<tr>
<td>VSG** 8.7–12.7 mm (5/6&quot;)</td>
<td></td>
</tr>
<tr>
<td>Glass thickness stationary glass</td>
<td></td>
</tr>
<tr>
<td>ESG*/VSG** 8–12 mm (5/8&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

* fully tempered monolithic glass
** fully tempered laminated glass

HAWA-Toplock combines appealing aesthetics with solid security.

Draughts, a problem vanishes in thin air: the vertical sealing profile takes a stand against draught.
Sliding hardware for unobtrusive all-glass sliding doors

HAWA-Junior 40–80/GL

The principle
The appeal of HAWA-Junior 40–80/GL lies in its blend of traditional Hawa expertise in sliding engineering design, and up-to-the-minute good looks. With cover plates, top tracks and angle profiles available in a choice of plain anodised or stainless steel effect finishes, the latest model in the Junior line will blend in with even the trendiest settings. The linear styling also contains clever design: the glass retainer profiles along the top edge of the doors disappear behind a sleek, continuous cover. At floor level, a rattle-proof guide keeps things running quietly. And Hawa quality throughout makes for excellent running characteristics, great value, straightforward installation and ease of use.

The benefits
- High-quality, near-noiseless sliding mechanism, proven in thousands of installations.
- High-end design with cover plates, top tracks and angle profiles available in stainless steel effect or plain anodised finishes.
- Extensive range of accessories, like the HAWA-Toplock with rectangular cover plates, or the clever HAWA-Junior angled profile, for side fixing to walls without concealment covers.
- Easy operation thanks to track stop with adjustable retainer for various door weights.
- Aluminium covers are a simple clip-on fit.
- Rattle-proof bottom guide prevents sliding doors from rattling.
- SoftMove 80 soft closing mechanism for HAWA-Junior 80 gently brakes and closes the sliding door.
- Strong safety thanks to dry glazing system with flush glass fixings.
- Vertical sealing profile takes a stand against draught.

The perfect wall junction for an all-glass sliding door with unprotected edge.
Cover plates and angled profile for side fixing to walls also available in contemporary stainless steel effect.

Technical specifications

Door weight
up to 40, 80 kg (88/176 lbs)

Door width 500 – 1200 mm
(1’7” – 3’11”)

Glass thickness sliding door
ESG* 8/9.5/10 mm (5/16” – 3/8”)

Glass thickness stationary glass
ESG/VSG** 8–12 mm (5/16” – 3/8”)

* fully tempered monolithic glass
** fully tempered laminated glass
For robust all-glass doors

HAWA-Junior 80 – 250/G

The principle
Even heavy-weight doors smoothly follow their intended course thanks to high-quality HAWA-Junior technology, tried and tested a millionfold around the world. HAWA-Junior 80–250/G accommodates doors weighing up to 250 kg (550 lbs.) with inimitable elegance. Technically perfect room partitions with aesthetic appeal are now possible in virtually any situation – in shop-fitting and gastronomy, in office blocks, banks and private buildings. All the more so, as this hardware with its unadorned, filigree profile and invisible technology not only has visual appeal but also sets new standards thanks to impressively quiet running properties.

The benefits
- Elegant, adaptable profile design with invisibly integrated technology.
- Quiet running properties and a long life thanks to high-quality plastic rollers and plain anodised top tracks.
- Track stops with adjustable retention force for greater operating convenience.
- SoftMove 80 soft closing mechanism for HAWA-Junior 80 gently brakes and closes the sliding door.
- Discreet, point-fixing floor guide or stable, two-point guiding in a floor-fitted track, depending on operational requirements.
- High operational safety thanks to form-fitting glass connections.
- Various accessories available.

Technical specifications

<table>
<thead>
<tr>
<th>HAWA-Junior 80–160/G</th>
<th>Door weight</th>
<th>up to 80, 120, 160 kg (176, 264, 352 lbs.)</th>
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<tbody>
<tr>
<td>Glass thickness</td>
<td>8–16 mm (5/8–5/8”)</td>
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<tr>
<td>Glass thickness</td>
<td>Stationary glass ESG*/VSG** 8–12 mm (5/8–15/16)</td>
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<tr>
<td>Height adjustable</td>
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<table>
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<tr>
<th>HAWA-Junior 250/G</th>
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<th>250 kg (550 lbs.)</th>
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<tbody>
<tr>
<td>Glass thickness</td>
<td>8–16 mm (5/8–5/8”)</td>
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</tr>
<tr>
<td>Height adjustable</td>
<td>±5 mm (5/32)</td>
<td></td>
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</tbody>
</table>

* fully tempered monolithic glass
** fully tempered laminated glass
For simultaneously sliding of two glass doors

HAWA-Telescopic 80/G

**The principle**

Space-savingly easy: HAWA-Telescopic 80/G enables you to simultaneously slide two glass doors telescopically with one movement wherever there is not enough room for one wide door. They are connected via a toothed belt on rollers and a fastening for the toothed belt.

**The benefits**

- Simultaneous, spacesaving sliding of glass doors weighing up to 80 kg (176 lbs.) with smooth and quiet running properties.
- Reliable system based on HAWA-Junior technology, proven millionfold around the globe.
- Long lifetime thanks to high-quality plastic rollers, fibreglass-reinforced toothed belt and maintenance-free technology.
- A continuous floor guide track (optional) provides high rigidity.

**Technical specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Max. door weight</td>
<td>80 kg (176 lbs.)</td>
</tr>
<tr>
<td>Door width</td>
<td>500–1000 mm (17’6”–3’3”)</td>
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<tr>
<td>Max. door height</td>
<td>2600 mm (8’6”)</td>
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<tr>
<td>Glass thickness ESG*</td>
<td>8–16 mm (5/8”–5/8”)</td>
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<tr>
<td>Height adjustable</td>
<td>± 2 mm (5/32”)</td>
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<tr>
<td>* fully tempered monolithic glass</td>
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</tbody>
</table>

For two symmetrically opening sliding glass doors

HAWA-Symmetric 80/G

**The principle**

HAWA-Symmetric 80/G connects two sliding glass doors via a fibreglass-reinforced toothed belt on deflection rollers. The system makes it easy to open and close doors symmetrically. Absolutely maintenance-free, extremely smooth running properties and no visible floor guides.

**The benefits**

- Opens and closes two doors symmetrically.
- High-quality trolleys enable easy sliding even with just one hand.
- Fibreglass-reinforced toothed belts guarantee high tear resistance and minimum stretch.
- Easy installation: insert doors and attach toothed belt from one side.
- A continuous floor guide track (optional) provides high stability.
- Elegant glass retainer profiles, available untreated and plain anodised.

**Technical specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tr>
<td>Max. door weight</td>
<td>80 kg (176 lbs.)</td>
</tr>
<tr>
<td>Glass thickness ESG*</td>
<td>8–16 mm (5/8”–5/8”)</td>
</tr>
<tr>
<td>Height adjustable</td>
<td>± 3 mm (5/32”)</td>
</tr>
<tr>
<td>* fully tempered monolithic glass</td>
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</tbody>
</table>
HAWA-Ordena 70

For full room-height partitions and walk-in cabinets

**The principle**

HAWA-Ordena 70 allows fit-anywhere designs for walk-in cabinets, but its continuous top track is also ideal for flexible room dividers in residential and office settings. The innovative sliding system dispenses with a frame, meaning much less work than usual for installers and many more possibilities for interior designers. Glass and wood sliding doors combine easily, or the system can be used with all-wood or all-glass panels, up to a maximum weight of 70 kilograms (154 lbs.). Hawa’s proprietary and patented rattle-proof guide makes a bottom guide channel unnecessary in some situations.

**Technical specifications**

- Max. door weight: 70 kg (154 lbs.)
- Min. door width: 600 mm (1’11 5/8”)
- Max. door height: 2600 mm (8’6”/8’9’/32”)
- Glass thickness:
  - ESG*: 8/10 mm (5/16”/7/32”)
  - VSG**: 8.7–10.7 mm (11/32”–1/2”)
- Wooden door thickness: 30–40 mm (1 3/8”–1 5/8”)

* fully tempered monolithic glass  
** fully tempered laminated glass
The benefits

- Allows fit-anywhere designs for full room-height dividers.
- Frameless system for wood/wood, wood/glass and glass/glass panel combinations.
- Top running sliding system, impervious to dust and dirt.
- 4.5 mm (\(\frac{3}{8}\)) high floor guide track for free-sliding or extra-wide sliding doors.
- Rattle-proof point bottom guides for an uninterrupted floor surface.
- No glass fixing parts visible.
- Cover caps for the glass suspension elements are available in round and square with various surface finishes.
- Easily retrofittable.
- Both fully tempered monolithic glass (ESG) and fully tempered laminated glass (VSG) can be used.

Open up new options for your rooms: with HAWA-Ordena 70.
The principle

HAWA-Aperto 60/GL gives you completely new possibilities across many different settings. The way this sliding hardware system stacks the doors is a small miracle: up to nine light-duty glass panels tuck away simply and easily into the tiniest of spaces, either in parallel or at 90° to the sliding axis. Not only is the system cost-efficient and flexible; the clean, flush lines of its slim-line suspension and glass retainer profile appeal to even the most sophisticated designers. HAWA-Aperto 60/GL is also an enduring pleasure to operate, thanks to feather-light running and the typical feel of Hawa quality workmanship.

The benefits

- The first system for light-duty, stackable glass doors weighing up to 60 kg (132 lbs.).
- Stacks up to 9 doors of maximum width 1100 mm (3'7 3/4") in parallel, or 950 mm (3'1 13/16") at 90°.
- Simple installation and immense flexibility thanks to a modular, snap-fitting track system.
- Light-duty installations without a bottom guide track are possible.
- Aesthetic covers in stainless steel effect or plain anodised finishes clip-on after assembly.
- Corrosion-resistant materials make outdoor applications possible.
- Hawa AG undertakes planning for special installations involving changes of direction, curved top tracks, etc.

Up to nine glass door panels stack in a highly compact space.
The corrosion-resistant hardware is also suitable for outdoor installations.

Technical specifications

Max. door weight  60 kg (132 lbs.)
Min. door width  500 mm (1’7”)
Max. door width (90°)  950 mm (3’1”)
Max. door width (parallel)  1100 mm (3’7”)
Max. door height  2600 mm (8’6”)
Glass thickness  ESG*  8/9,5/10 mm (5/16”/3/8”/13/32”)
* fully tempered monolithic glass

An elegant solution for room-height partition walls as boundaries in a transparent ambience.
For elegant all-glass sliding walls with outstanding curve technology

HAWA-Variotec 150/GV

The principle

HAWA-Variotec 150/GV is the king of cornering among the sliding hardware systems. The modular, pluggable track system follows your blueprint around every twist and bend. Sliding revolving doors and sliding swinging doors can be integrated at any desired point. A complete installation is a pleasure to behold, with an aesthetically shaped glass retainer profile that blends in with any nearby colour. This sliding hardware system is balm for the ears, too – the high quality trolleys with two-point guide wheels are incredibly quiet-running.

The benefits

- Perfected cornering technology with a modular track system that allows changes of direction from 15 to 90°.
- Top tracks and bottom guide channels can be bent to customer specifications for unusual layouts.
- High, straight profile, 230 mm, especially suitable for airports.
- Even more elegance: Thanks to a new, straight profile.
- Trolleys with two-point guide wheels for excellent running characteristics for door weights from 100 to 150 kg (220–330 lbs.).
- All components install out of sight in the glass retainer profile.
- Installable with and without a bottom guide channel.
- Compact stacking area.
- Extensive accessories like seals, glass edge protection profiles, security locks, stationary glass, etc.

Technical specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. door weight</td>
<td>150 kg (330 lbs.)</td>
</tr>
<tr>
<td>Max. door height</td>
<td>3500 mm (11'5&quot;1/8&quot;)</td>
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<tr>
<td>Glass thickness ESG*</td>
<td>10/12/12.7 mm (3/5/1&quot;/1&quot;)</td>
</tr>
<tr>
<td>Glass thickness VSG** made from ESG*</td>
<td>10.4–12.8 mm (23/32–1&quot;&quot;)</td>
</tr>
</tbody>
</table>

* fully tempered monolithic glass
** fully tempered laminated glass
Well-rounded architecture:
HAWA-Variotec 150/GV.

A bright outlook no matter the season:
with flexible glass walls.
The principle

HAWA-Variotec 150/GR is the ideal hardware solution for installations that require enhanced security and rigidity. The elegant frame profile with just 24 mm (\( \frac{3}{8} \)") visible width reduces glass bowing and makes it difficult to force open doors weighing up to 150 kg (330 lbs.). Yet despite such exemplary robustness, you still have the same gentle running characteristics, excellently engineered curve technique and unequalled flexibility that are the hallmarks of all HAWA-Variotec sliding hardware. And, draught-proof brush/rubber seals also make HAWA-Variotec 150/GR the solution of choice for effective isolation of air-conditioned rooms or unheated conservatories.
The benefits

- Visually pleasing frame system with minimum visible width for doors up to 3.5 m (11'5 13–16") tall and weighing up to 150 kg (330 lbs.).
- Strong rigidity, enhanced security and protection for glass edges.
- Perfected cornering technology with a modular track system that allows changes of direction from 15 to 90°.

- No glass cut-outs needed.
- Top tracks and bottom guide channels can be bent to customer specifications for unusual layouts.
- Trolleys with two-point guide wheels for excellent running characteristics.
- Integrated brush/rubber seals to stop draughts.
- Can also be used with fully tempered laminated glass (VSG) up to 13 mm (1/2").

Technical specifications

Max. door weight 150 kg (330 lbs.)
Max. door height 3500 mm (11'5")
Glass thickness
- ESG* 10/12/12,7 mm (1/3–3/15–3/18"")
- VSG** up to 13 mm (1/2")

* fully tempered monolithic glass
** fully tempered laminated glass

Secure locking with integrated deadbolt lock.
HAWA-Shopfront 400/G

The principle

HAWA-Shopfront 400/G is the popular and professional solution for heavy-duty all-glass sliding walls. Installed at thousands of sites all over the world, this hardware has the necessary quality and load-bearing capability to move doors up to 400 kg (880 lbs.) during years of trouble-free service. Yet for all that performance, its looks are far from heavyweight. Perfectly airy and aesthetic designs are possible, bringing out the lightness of glass as an architectural material. A pivot door, either close to the stacking area or on the opposite side, is likewise no problem with this versatile hardware system.

Technical specifications

Max. door weight: 400 kg (880 lbs.)
Max. door height: 4000 mm (13' 1 1/2")
Glass thickness:
ESG* 8 – 16 mm (5/8" – 5/8")

* Fully tempered monolithic glass
The benefits

- Specially designed for heavy-duty doors that call for a high degree of quality and precision.
- Smooth running and highly durable.
- Compact stacking area.
- Various profiles available for glass thicknesses from 8 to 16 mm (5/6" to 5/8").
- Pivot doors can be easily integrated.
- Plenty of flexibility for custom solutions.
- Integrated bar bolt lock for security.
- Hawa AG undertakes planning for special installations involving changes of direction, curved top tracks, etc.

Accomplished handling of heavy-duty doors up to 400 kg (880 lbs.) per panel.
HAWA-Motus 150/GV-matic

The principle

This completely new Hawa design for automatic hardware moves sliding glass walls of up to 30 metres (98’5”–8’) in width gently and quietly in high-quality top tracks. Its intelligent menu control sets new standards in user-friendliness with regard to both start-up and daily operation. And the groundbreaking hardware system is an unreserved pleasure for the eye, too, as every technical component is invisibly integrated into the top tracks. All the eye can see is an attractive glass retainer profile that emphasises the transparency of your glass system instead of detracting from it.
Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. door weight</td>
<td>150kg (330 lbs)</td>
</tr>
<tr>
<td>Door width</td>
<td>850 – 1500 mm (2'9 15/16” – 4'11 11/16”)</td>
</tr>
<tr>
<td>Max. door height</td>
<td>3500 mm (11'5 7/32”)</td>
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<tr>
<td>Glass thickness</td>
<td>ESG* 10/12/12 mm (1/3 - 1/16” - 1/32”)</td>
</tr>
<tr>
<td></td>
<td>VSG** manufactured from ESG* 10.6–11.5 wmm (5/16” – 7/16”)</td>
</tr>
<tr>
<td>Max. no. of doors</td>
<td>20</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>100 – 240 VAC</td>
</tr>
<tr>
<td></td>
<td>50/60 Hz</td>
</tr>
</tbody>
</table>

* fully tempered monolithic glass
** fully tempered laminated glass
HAWA-Variofold 80/GV

The principle

HAWA-Variofold 80/GV is a high-quality hardware system for all-glass folding-wall installations with an even number of panels, for partitioning rooms up to six metres (19'8") wide as individually and transparently as required. The hardware stacks up to six door panels; a pivoted access door may also be installed on the opposite side to the folding stack. Folding and sliding actions all have the typical Hawa quality feel, and as usual, there are no visible mechanical parts to interfere with the pleasing and even design: everything is built-in to the glass retainer profile. Planning is especially easy, since all panels can be made the same width.

The benefits

- Advanced folding mechanism and economical stacking for up to 6 all-glass door panels.
- Identical components for installations that open to the left or right, inwards or outwards.
- A separate pivoted access door can be added on the opposite side.
- Pleasing glass retainer profile completely conceals mechanical components.
- Closed door pairs are secured at the top by a folding/sliding door snapper with an integrated and individually adaptable retainer.
- Quiet, easy running.
- Simple, convenient operation.
- An integrated bar bolt lock can be fitted for security.

Technical specifications

**Max. door weight** 80 kg (176 lbs.)
**Door width** 400–900 mm
(1’3”–2’11")
**Max. door height** 2600 mm (8’6")
**Glass thickness**
ESG* 10/12/12,7 mm (½”/½”/½”)
**Glass thickness for VSG** made from ESG* 10,8–13 mm (½”–½”)
* fully tempered monolithic glass
** fully tempered laminated glass

For all-glass folding walls in rooms up to 6 m (19’8") wide
HAWA-Centerfold 80/GV

For folding all-glass concertina walls without a floor guide

The principle

HAWA-Centerfold 80/GV is a high-quality hardware system for all-glass concertina walls used to transparently partition rooms up to six metres wide. The special feature is the suspension point at the centre of the panel. You can install up to 6 panels without floor guide channels. In all other respects, you can count on the same strengths that make HAWA-Variofold 80/GV something special in its class: immense flexibility, minimal space requirements, mechanical parts integrated out of sight in the profile, high-quality running and workmanship.

The benefits

- Advanced folding mechanism and economical stacking for up to 6 all-glass door panels.
- Installations up to 6 m (19'8" -32") wide are possible without a floor guide channel.
- Identical components for installations that open to the left or right, inwards or outwards.
- A separate pivoted access door can be added on the opposite side.
- Closed door pairs are secured at the top by a folding/sliding door snapper with an integrated and individually adaptable retainer.
- An integrated bar bolt lock can be fitted for security.

Technical specifications

Max. door weight 80 kg (176 lbs.)
Door width 500 – 900 mm (1'7" -2'11")
Max. door height 2600 mm (8'6"")
Glass thickness
ESG* 10/12/12,7 mm (13/15/15/15")
Glass thickness for VSG** made from ESG* 10,8 – 13 mm (716 – 1732"")

* fully tempered monolithic glass
** fully tempered laminated glass
At home all over the world

It comes as no surprise to anyone in our ever more globalised world that the drink served in Singapore is the same as the one in Berlin, or when the TV in the hotel room in Cape Town is the same as the one in San Francisco. It is therefore really quite logical to find that the Hawa sliding hardware opening doors in the Petronas Twin Towers is the same as in St. Mary Axe in London. Quality prevails everywhere. As the references on this page go to show.
Sliding, folding, stacking: Hawa has even more to offer.

Folding and sliding hardware for wooden applications

Doors, walls, panel fronts – wood is the answer. Especially when you put them together using Hawa sliding hardware. We have an off-the-shelf solution for virtually every application, whether you want especially light-action sliding doors, room dividers, or sliding walls that park away in the furthest corner of an apartment.

Hardware for furniture

From a simple office cabinet to a generously dimensioned kitchen front, from cleverly designed mini-units to a walk-in dream solution for any room: furniture hardware from Hawa opens the door to a whole world of design options. Every piece of furniture hardware shares the same installer friendliness, excellent workmanship, flexibility in the choice of material and perfect sliding properties.

Sliding shutters

Folding/sliding and sliding shutters – manual or automatic: an old idea that has come back into contemporary architectural vogue. Hawa was among those who influenced the trend from the start, producing an up-to-the-minute range of high-quality hardware that can be used to easily realise practically any sliding shutter concept, using either manual operation or automatic control. That is why top architects are among those choosing Hawa technology.