

Hardware system for all-glass folding walls with panels weighing up to 80 kg (176 lbs.) and glass thicknesses of 10–12,7 mm ($\frac{13}{32}$ "– $\frac{1}{2}$ ".)

Description

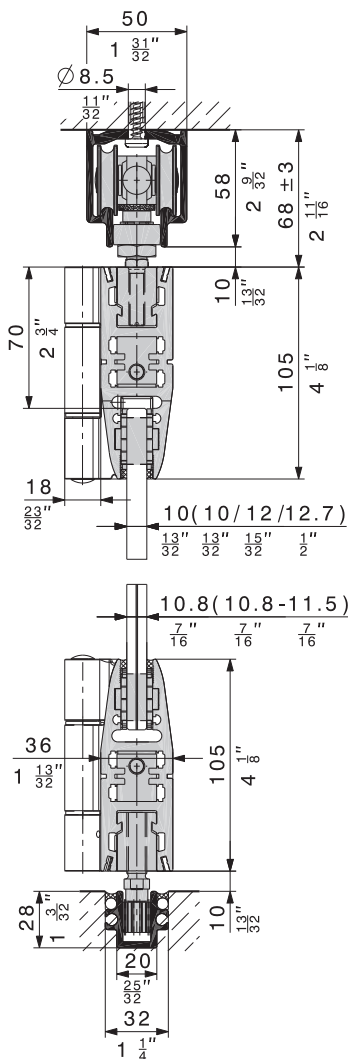
HAWA-Variofold 80/GV is a hardware system for all-glass folding-wall installations with an even number of panels. If required, an access door may also be installed on the opposite side to the folding stack. Our documentation simplifies the task of planning such systems, and installation is also simple and convenient. All mechanisms, suspension devices, guides and locks are fully integrated into highly attractive suspension and glass retainer profiles, which are the same ones used for HAWA-Variotec 150/GV stacking-wall system. Attached to every other panel is a folding-/pivot door catch with an integrated, individually adjustable retainer, to hold the folding wall flush when closed. The newly developed hinge is installed on the side of the profile.

Applications

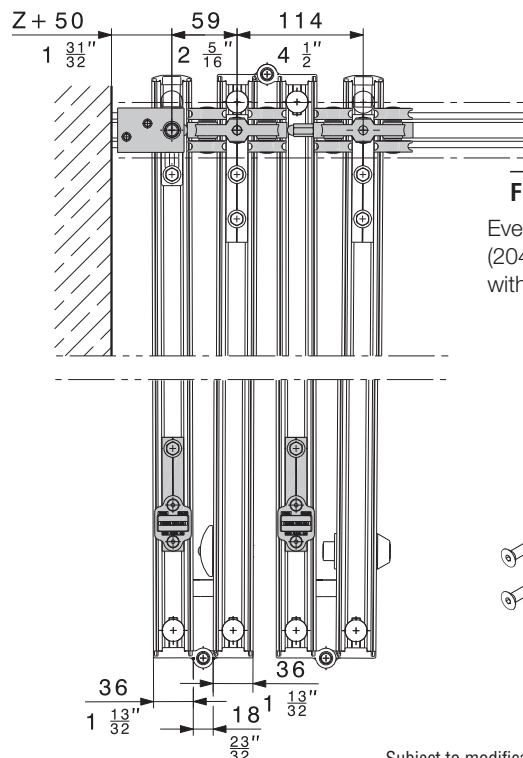
This hardware system is ideal for use wherever a room needs to be divided using a high-quality glass folding wall that is also simple to operate, e.g. in shopping centres, airports, hotels, restaurants, banks, etc.

Features of the HAWA-Variofold 80/GV

- Min. panel width 400 mm ($1'3 \frac{3}{4}$ "
- Max. panel width 900 mm ($2'11 \frac{7}{16}$ "
- Max. panel height 2600 mm ($8'6 \frac{3}{8}$ "
- Max. panel weight 80 kg (176 lbs.)
- The same components may be used for constructing installations that open to the left or right, inwards or outwards
- The opposite side may be equipped with a separate pivot door
- Vertical adjustment ± 3 mm ($\pm \frac{1}{8}$ "
- Elegant design
- Secure locking mechanism
- Extremely smooth and silent operation
- Minimal space requirement in stacking area
- ESG: Toughened safety glass 10/12/12,7 mm ($\frac{13}{32}$ "/ $\frac{15}{32}$ "/ $\frac{1}{2}$ "
- VSG: Laminated safety glass manufactured from ESG 10,8–11,5 mm ($\frac{7}{16}$ "– $\frac{15}{32}$ "

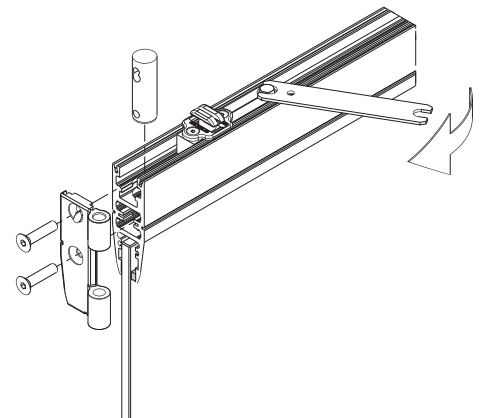


Z ≥ 5 mm ($\frac{7}{32}$ "
Clearance between
wall and door









Folding-/pivot door catch

Every other panel has a folding-/pivot door catch (20426). Panels can thus be held flush in position without operating a locking mechanism.



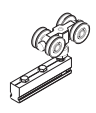
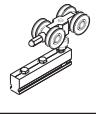
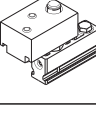
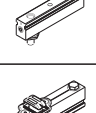
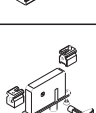
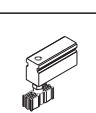
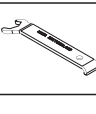
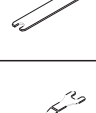
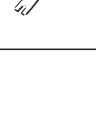
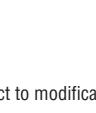
Subject to modification. Metric specifications are exact. Inches are approximate.

Partial sets without top track and bottom guide channel


		code
	Set for 2 panels	16780
	Set for 2 panel unit with pivot panel	16781
	Set for 4 panels	16782
	Set for 4 panel unit with pivot panel	16783
	Set for 6 panels	16784
	Set for 6 panel unit with pivot panel	16785

Variofold installations must be equipped with bottom guide channels, except nos. 16780 and 16781.

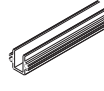
Partial sets comprising

		16780	16781	16782	16783	16784	16785	code
	Four-wheeled trolley, M10, with plastic wheels	1	1	1	1	1	1	16482
	Four-wheeled trolley, M10, with plastic wheels and spacer	-	-	1	1	2	2	16685
	Top pivot bearing	1	2	1	2	1	2	16485
	Vertically adjustable driver for pivot door	1	2	1	2	1	2	16325
	Folding/pivot door catch, adjustable	1	2	2	3	3	4	20426
	HAWA-bar bolt lock, square/hexagon socket 7/8 mm, complete with pivot	-	2	1	2	2	3	16968
	Guide, rattle proof, plastic, 14 mm ($\frac{9}{16}$ "), with suspension block	-	-	2	2	3	3	13781
	Vertical adjustment key SW 19	1	1	1	1	1	1	10789
	Suspension assembly locking wrench SW 10/11	1	1	1	1	1	1	14861
	Fork spanner SW 22/12, pivot door vertical adjustment	1	1	1	1	1	1	15409

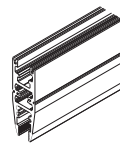
Top tracks

Caution: Hole positions vary.		code	
	Top track, alu plain, anodized, predrilled	6000 mm (19'8 $\frac{7}{32}$ ")	16852
		cut to size	16853

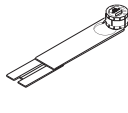
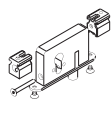
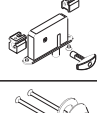
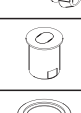

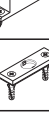

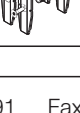
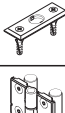


Bottom guide channels

Caution: Hole positions vary.		code	
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 $\frac{7}{32}$ " x 1 $\frac{11}{8}$ ")	6000 mm (19'8 $\frac{7}{32}$ ")	13688
		cut to size	13690

Glass suspension and retainer profiles









		code	
	Glass suspension retainer profile, alu plain anodized, brushed	6500 mm (21'3 $\frac{23}{32}$ ")	16669
		cut to size	19868
	Glass suspension retainer profile, alu, unanodized	6500 mm (21'3 $\frac{23}{32}$ ")	13576
		cut to size	13681

Components

		code	
	Set of glass-fixing parts, for 1 sliding door (4 pieces)	ESG 10 mm ($\frac{13}{32}$ ")	13900
		ESG 12 mm ($\frac{15}{32}$ ")	13901
		ESG 12,7 mm ($\frac{1}{2}$ ")	13902
		VSG 10,8-11,5 mm ($\frac{7}{16}$ - $\frac{15}{32}$ ")	21263
	HAWA-bar bolt lock with retention pin	profile cylinder 17 mm ($\frac{11}{16}$ ")	16760
		round cylinder 22 mm ($\frac{7}{8}$ ")	16761
	HAWA-bar bolt lock, square/hexagon socket 7/8 mm, complete with pivot		16968
	Security rose 12 mm ($\frac{15}{32}$ "), for profile cylinder 17 mm ($\frac{11}{16}$ "), chromium-nickel steel		14147
	Floor-mounted sleeve with oblong hole and chromium-plated brass spring		13787
	Rosette for floor-mounted sleeve 13787		17326
	Thrust bearing sleeve, Ø 30 mm (1 $\frac{3}{16}$ "), for pivot door		16326
	Thrust bearing, adjustable, for fitting into bottom guide channel		16765
	Strike plate, chromium-plated steel		13130
	Hinge, zinc alloy, with fixing screws	dull chromium finish	16091
		raw	16088
	Cover caps, zinc alloy, (set of 4 pieces)	dull chromium finish	16692
		raw	16693

Subject to modification. Metric specifications are exact. Inches are approximate.

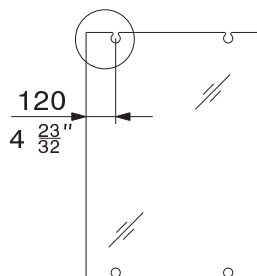
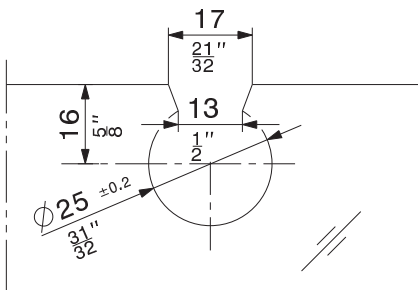
Accessories

			code
	Cover cap, (1 piece)	dull chromium finish	16690
		raw	16691
	Additional top lock		16491
	Short connecting rod for door height up to 2500 mm (8'2 ⁷ / ₁₆ ")		14164
	Long connecting rod for door height over 2500 mm (8'2 ⁷ / ₁₆ ")		14165
	Brush seal 2,6/18 x 920 mm (¹ / ₈ / ²³ / ₃₂ " x 3' ⁷ / ₃₂ ") for glass suspension and retainer profile		16797
	Fork spanner to glass holder insert		13817
	Installation tool for blocking keys 10–12,7 mm (¹³ / ₃₂ " - ¹ / ₂ ") glass		13710
	Drilling jig, for hinge retention bolts		16979

Glass cutouts for sliding door

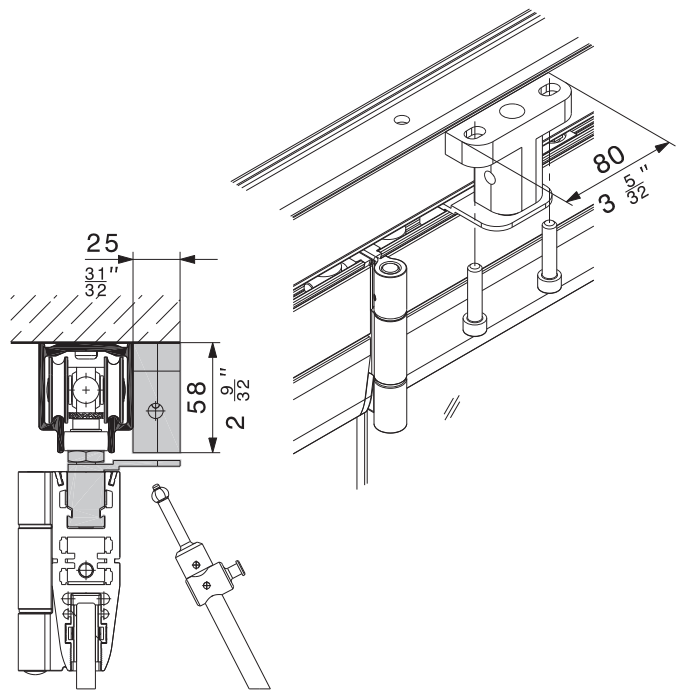
Both toughened safety glass (ESG) and laminated safety glass (VSG) manufactured from ESG can be used.

- Glass thickness sliding door toughened safety glass ESG: 10/12/12,7 mm (¹³/₃₂" / ¹⁵/₃₂" / ¹/₂"), thickness tolerance ± 0,3 mm
- Glass thickness sliding door laminated safety glass VSG manufactured from ESG:
2x5 ± 0,2 mm → film thickness 0,76 / 1,52 mm
- All glass edges are seamed; maximum 1 mm (¹/₁₆") in the glass cutout
- VSG permissible with max. offset of 2 mm (³/₃₂") in the glass cutout



Additional top lock

The additional top lock code 16491 ensures more security.



Service

		code
Lock cutout incl drilling for double cylinder	17 mm (¹¹ / ₁₆ ")	19615
	22 mm (⁷ / ₈ ")	19616
Lock cutout incl. drilling for square/hexagon socket		19617
Lock cutout incl. drilling for double cylinder and retention bolts	17 mm (¹¹ / ₁₆ ")	19612
	22 mm (⁷ / ₈ ")	19613
Lock cutout incl. drilling for square/hexagon socket and retention bolts		19614
Drilling on both sides for hinge retention bolts		16736
Surface treatment are charged separately. Prices on request.		

Order specifications

- Quantity and type of sets
- Length of top track
- Length of bottom guide channel
- Width and height of glass
- Thickness of glass
- Quantity and type of cover caps
- Quantity and type of bottom guides
- Layout sketch

Optional order specifications

- Quantity of additional top lock
- Quantity and type of connecting rod
- Quantity of drilling jig, for hinge retention bolts
- Quantity and type of tool for glazing
- Quantity of brush profile

Planning/installation

For planning and installation purposes, please use the installation drawing code 16824.

Subject to modification. Metric specifications are exact. Inches are approximate.

<input type="checkbox"/> Offer	<input type="checkbox"/> Order	Delivery address
Customer	Object	Customer
Address	City	Address
Telephone/Telefax	Date	City
Delivery date	Professional worker	Telephone/Telefax

Maximum panel width 900 mm (2'11 11/16"), maximum panel weight 80 kg (176 lbs.)

Please copy this form, fill it out and mail or fax it to Hawa AG (fax no. +41 44 767 91 73)

Sets without top track and bottom guide channel	<input type="checkbox"/> 16780	<input type="checkbox"/> 16781	<input type="checkbox"/> 16782	<input type="checkbox"/> 16783	<input type="checkbox"/> 16784	<input type="checkbox"/> 16785
	2	2+ 1	4	4+ 1	6	6+ 1
	Maximum widths of folding partitions					
	1800	2700	3600	4500	5400	6300
Necessary components						
Glass thickness/glass attachment components						
<input type="checkbox"/> 10 mm (3/8") 13900	<input type="checkbox"/> 12 mm (15/32") 13901	<input type="checkbox"/> 12,7 mm (1/2") 13902	2	3	4	5
<input type="checkbox"/> 17 mm (11/16") 16760	<input type="checkbox"/> cyl. 22 mm (7/8") 16761	<input type="checkbox"/> 4/6-sided nut 16968	2	1	1	1
Security rose						
<input type="checkbox"/> cyl. 17 mm (11/16") 14147	Security rose for standard profile cylinders 22 mm (7/8")		2	1	1	1
Locking device						
<input type="checkbox"/> floor-mounted sleeve 13787	<input type="checkbox"/> strike plate 13130		2	3	-	-
Hinge						
<input type="checkbox"/> dull chromium finish 16091	<input type="checkbox"/> raw 16088		2	2	6	6
Thrust bearing						
<input type="checkbox"/> Thrust bearing 16326	<input type="checkbox"/> Thrust bearing, adjust. 16765		1	2	1	2
Cover caps, set of 4 pieces						
<input type="checkbox"/> dull chromium finish 16692	<input type="checkbox"/> raw 16693		1	2	1	2
clear dimensionmm						

Optional accessories

<input type="checkbox"/> Additional top lock 16491	1	2	2	3	3	4
Connecting rod, for door height						
<input type="checkbox"/> up to 2500 mm (8'2 7/16") 14164	<input type="checkbox"/> over 2500 mm (8'2 7/16") 14165	1	1	1	1	1
<input type="checkbox"/> Brush seal 2,6/18 x 920 mm (1 1/8" x 3' 7/32") 16797						
Tools for glazing						
<input type="checkbox"/> Forkspanner 13817	<input type="checkbox"/> Installation tool 13710	1	1	1	1	1
<input type="checkbox"/> Drilling jig, for hinge retention bolts 16979						
Surface treatment of suspension and glass retainer profiles (16741, basic treatment fee to surface treatment, lump sum per colour)						
<input type="checkbox"/> 14163 Powder-coated to RAL code				<input type="checkbox"/> 14630 Chrome effect, polished finish		
<input type="checkbox"/> 14626 Plain, anodized, polished, brushed						

Please note: orders can only be processed if this form has been filled out correctly.

Date Signature