

Sliding – Folding – Stacking

# Architectural hardware glass/metal



## About Hawa AG

Our metier since 1965 has been pivoting, sliding and folding hardware systems – along with the fascinating applications they have opened for our customers. Thus, we have grown into a name of international repute within our specialist areas of glass/metal/wood architectural hardware, and hardware for furniture.

We – and hence our customers – are totally committed to Swiss quality. Despite the fact that we now export over 80% of our output, production is located at home in Mettmensstetten. This is not least because our business philosophy is still based on characteristically Swiss values like precision, reliability, and durability.

## About this catalogue

Optimising space, creating rooms, solving problems, saving time – our hardware carries an impact that reaches far beyond its essential sliding, stacking and folding functionality. This catalogue provides you with detailed ordering information and technical data for our entire range of glass/metal folding and sliding hardware systems.

And should you have a specific requirement in the pipeline, please contact us – we are happy to be of help.

## Find out about the rest of the Hawa range:

### Architectural hardware wood

- Sliding doors
- Folding/Centre fold “Accordion” wall
- Wood sliding partitions
- Windows

Catalogue order no: 15625

### Furniture hardware

- Sliding cabinet/wardrobe doors
- Side stacking cabinet/wardrobe doors
- Pivot sliding furniture doors
- Folding cabinet/wardrobe doors, panels can be moved freely to and fro
- Folding cabinet/wardrobe doors

Catalogue order no: 15282

### Hardware for folding and sliding shutters

- Manual sliding shutters
- Automatic sliding shutters
- Manual folding sliding shutters
- Automatic folding sliding shutters

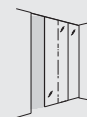
Catalogue order no: 20896

Hawa – a worldwide name for

# Quality, Support and Service

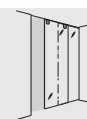
## **Pages 6–23**

Glass sliding doors with concealed suspension



## **Pages 24–45**

Glass sliding doors with patch suspension



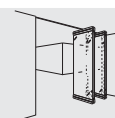
## **Pages 46–75**

Glass sliding doors with suspension/retainer profiles



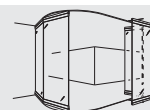
## **Pages 76–83**

Glass folding walls



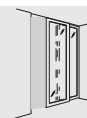
## **Pages 84–111**

Glass sliding walls



## **Pages 112–117**

Metal sliding doors



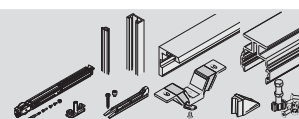
## **Pages 118–119**

Transport system



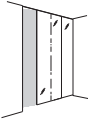
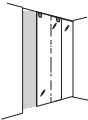
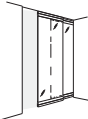
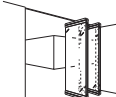
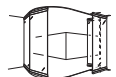
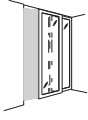

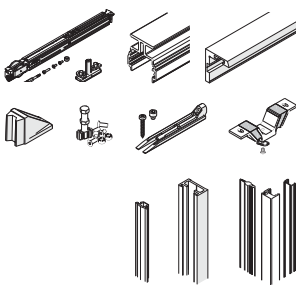
## **Pages 120–129**

Accessories



## **Pages 130–132**

General Terms and Conditions (GTC)  
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	Recommended applications in:			For external use		Curved installations	Mode of fixing	
	Residential buildings	Public buildings	Industrial buildings	Non coastal areas	Coastal areas	Minimum radius mm/inch	Wall fitting	Ceiling fitting
<b>Glass sliding doors with concealed suspension</b> 	●	●						●
	●	●					●	●
<b>Glass sliding doors with patch suspension</b> 	●	●		①			③	●
	●	●		①				
	●	●		①				●
	●	●						●
	●	●		①			●	●
<b>Glass sliding doors with suspension/retainer profiles</b> 	●	●		①			●	●
	●	●	●	①			③	●
	●	●	●	①				●
	●			①				●
	●	●		①				●
	●	●	●	①		1000 (3'3 $\frac{1}{8}$ " )	●	●
<b>Glass folding-/sliding walls</b>  	●	●		①				●
	●	●		①				●
	●	●		●		2000 (6'6 $\frac{3}{4}$ " )		●
	●	●		①		4000 (13'1 $\frac{1}{2}$ " )		●
	●	●		①		4000 (13'1 $\frac{1}{2}$ " )		●
	●	●	●	①		4000 (13'1 $\frac{1}{2}$ " )		●
<b>Metal sliding doors</b> 	●	●	●	①				●
	●	●	●	①		1000 (3'3 $\frac{3}{8}$ " )	●	●
	●	●	●	①		4000 (13'1 $\frac{1}{2}$ " )	●	●
<b>Transport system</b> 		●	●			500 (1'7 $\frac{11}{16}$ " )		●
<b>Accessories</b> 	●	●	●				●	●
	●	●	●					●
	●	●	●	①				●
	●	●	●	①				●
	●	●	●	●			●	
	●	●	●	①				●
<b>Miscellaneous</b>								

① possible under certain conditions

② 80/120 kg (176/264 lbs.)

③ 40/80/120 kg (88/176/264 lbs.)

Integration in concrete ceilings with HAWA-Adapto	Roller surface		www.hawa.ch		Hardware systems	Maximum door weight		Page
	Plastic roller surface (low track noise levels)	Steel roller surface (higher track noise levels)	HAWA-Productfinder ↑ full information	HAWA-Systemplanner ↑ planning and quoting				
●	●		●		HAWA-Puro 100-150	100/150 kg	220/330 lbs.	6
●	●		●		HAWA-Purolino-PLUS 80	80 kg	276 lbs.	14
②	●		●	●	HAWA-Junior 40-80-120-160/GP	40/80/120/160 kg	88/176/264/352 lbs.	24
			●		HAWA-Toplock (Lock for all-glass sliding door)			32
	●		●		HAWA-Ordена 70/P	70 kg	154 lbs.	36
	●		●		HAWA-Ordена 70/F	70 kg	154 lbs.	40
●	●		●	●	HAWA-Junior 40-80/GS	40/80 kg	88/176 lbs.	44
●	●		●	●	HAWA-Junior 40-80/GL	40/80 kg	88/176 lbs.	46
②	●		●	●	HAWA-Junior 80-120-160/G	80/120/160 kg	176/264/352 lbs.	54
	●		●	●	HAWA-Junior 250/G	250 kg	550 lbs.	62
	●		●	●	HAWA-Telescopic 80/G	80 kg	176 lbs.	66
	●		●	●	HAWA-Symmetric 80/G	80 kg	176 lbs.	70
		●	●		HAWA-Super 250/G	250 kg	550 lbs.	72
	●		●	●	HAWA-Variofold 80/GV	80 kg	176 lbs.	76
	●		●	●	HAWA-Centerfold 80/GV	80 kg	176 lbs.	80
	●		●	●	HAWA-Aperto 60/GL	60 kg	132 lbs.	84
	●		●	●	HAWA-Variotec 150/GV	150 kg	330 lbs.	92
	●		●	●	HAWA-Variotec 150/GR frame profile	150 kg	330 lbs.	106
		●	●		HAWA-Shopfront 400/G	400 kg	880 lbs.	108
	●		●		HAWA-Junior 80/M	80 kg	176 lbs.	112
		●	●		HAWA-Super 250/M	250 kg	550 lbs.	114
		●	●		HAWA-Super 500/M	500 kg	1100 lbs.	116
	●		●		HAWA-Varioflex 40/TS	40 kg	88 lbs.	118
●			●		SoftMove for HAWA-Junior 40/80/120 <b>NEW</b>	40/80/120 kg	88/176/264 lbs.	120
			●		Assembly set HAWA-Junior 40/80/120 <b>NEW</b>	40/80/120 kg	88/176/264 lbs.	122
			●		HAWA-Adapto 80-120	80/120 kg	176/264 lbs.	124
●			●		Running track fastening to HAWA-Junior 40/80/120	40/80/120 kg	88/176/264 lbs.	126
			●		Side-fixing angled profile	40/80/120 kg	88/176/264 lbs.	127
			●		HAWA-SoundEx	40/80/120 kg	88/176/264 lbs.	128
					HAWA Assembly wedge	120 kg	264 lbs.	129
					Bottom guides/Bottom door stop			130
					Wall connection profile			131
					Rubber profile for glass edge protection			131
					Vertical sealing profile and bottom/wall profile to fixed glass			132
					General Terms and Conditions (GTC)			134
					Always up-to-date – www.hawa.ch			136

## Transparency through complete integration

Hardware system for all-glass sliding doors with concealed suspension, weighing up to 100 or 150 kg (220 or 330 lbs.).

### Description

HAWA-Puro 100-150: fascinating aesthetic appeal, smooth and easy sliding, and exemplary ease of installation. There are many reasons why sliding solutions incorporating HAWA-Puro are so pleasing. High-quality ball bearing technology built into the system's trolleys allows you to slide doors weighing up to 150 kg (330 lbs.) smoothly and quietly along anodised running tracks. And assembly is made simple by benefits such as punctiform, rattle-proof, floor-mounted guides, centric glass suspension and the new, patent-pending wedge suspension. A further plus are removable additional profiles for quick and easy dressing and integration of fixed elements made of glass, wood or other materials.

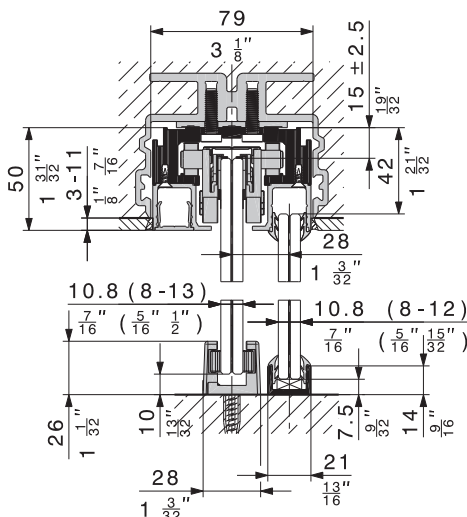
### Applications

Wherever glass/glass or glass/wood combinations are used as room partitioning and design elements, not only in hotels, restaurants, conference rooms and administration buildings, but also for private interior design, especially in lofts with suspended ceilings.

### Features of the HAWA-Puro 100-150

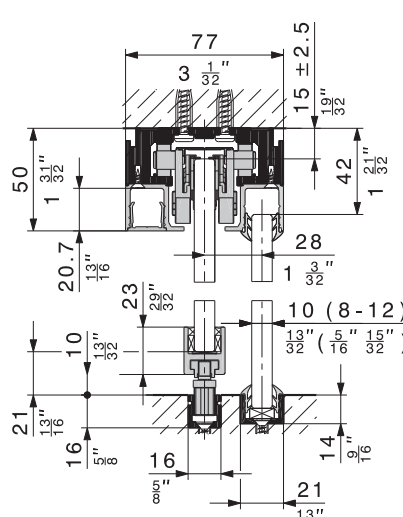
- Maximum door weight 4-wheels, 100 kg (220 lbs.)
- Maximum door weight 6-wheels, 150 kg (330 lbs.)
- Minimum door width 750 mm (2'5 $\frac{17}{32}$ ")
- Trolleys with high-quality ball bearing technology
- Glass retention and wedge suspension technology integrated in the running track
- Can be combined with inset profile system HAWA-Adapto 100-150/P
- Ceiling joint profiles for suspended lightweight ceilings
- Interlocking suspension of glass doors in the slide axis
- Additional profiles removable from below
- Glass thickness sliding door  
ESG (fully tempered monolithic glass):  
8/10/12/12,7 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ "/ $\frac{15}{32}$ "/ $\frac{1}{2}$ ")  
VSG (fully tempered laminated glass): 8-12,7 mm ( $\frac{5}{16}$ " -  $\frac{1}{2}$ ")
- Glass thickness fixed glass  
ESG (fully tempered monolithic glass)/  
VSG (fully tempered laminated glass): 8-12 mm ( $\frac{5}{16}$ " -  $\frac{15}{32}$ ")  
with silicone up to 13 mm ( $\frac{17}{32}$ ")

Integration in concrete ceilings



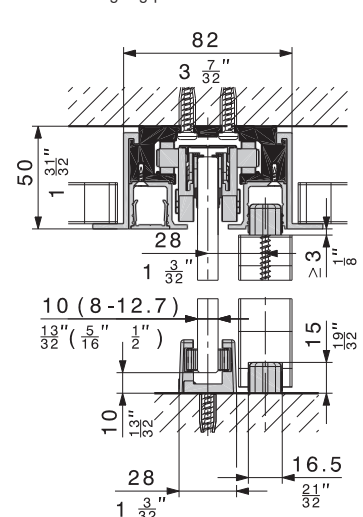
Two-part, rattle-proof floor guide and stationary element in a continuous surface-mounted floor profile.

Surface-mounted running track installation



Glass retention profile with rattle-proof floor guide and fixed glass in a continuous sunken floor profile.

Integration in suspended ceilings, with ceiling lug profiles



Two-part, rattle-proof floor guide and stationary element made of wood or other materials.

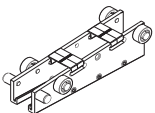
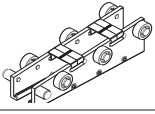

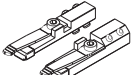


Subject to modification. Metric specifications are exact. Inches are approximate.

## HAWA-Puro 100–150, set without running track



	code
HAWA-Puro 100, set for 1 glass sliding door, ESG <sup>1</sup> /VSG <sup>2</sup>	21141
HAWA-Puro 150, set for 1 glass sliding door, ESG <sup>1</sup> /VSG <sup>2</sup>	21111

For two-panel sliding doors please order two sets for single doors.

## Set comprising

		21141	21111	code
	Four-wheeled trolley, with plastic-tyred ball bearing wheels	2		21190
	Six-wheeled trolley, with plastic-tyred ball bearing wheels	2		21191
	Suspension wedges for glass mounting, set for 1 door	1	1	21193
	Track stop, 1 pair	2	2	21319
	Set of screws for mounting U-profile, 3,5 x 9,5 mm ( $\frac{5}{16}$ x $\frac{3}{8}$ "), set of 25 pieces	1	1	21128
	Hex key, 3 mm ( $\frac{1}{8}$ ") short version	1	1	10785

## Glass fixing parts

		glass thickness mm/inch	code
	Glass fixing parts for 1 sliding door, ESG <sup>1</sup>	8 ( $\frac{5}{16}$ ")	21194
		10 ( $\frac{3}{8}$ ")	21195
		12 (12,7) ( $\frac{15}{32}$ / $\frac{1}{2}$ ")	21196
	Glass fixing parts for 1 sliding door, VSG <sup>2</sup> , incl. single use drilling jig	8,0–8,4 ( $\frac{5}{16}$ – $\frac{11}{32}$ ")	21481
		8,5–10,4 ( $\frac{11}{32}$ – $\frac{15}{32}$ ")	21390
		10,5–13,0 ( $\frac{13}{32}$ – $\frac{17}{32}$ ")	21197

## Possible combinations

Flexible combination options with one-sided stationary elements in wood or glass and two-sided sliding door pockets in wood.



Stationary element in glass



Stationary element in wood



Stationary element as pocket in wood



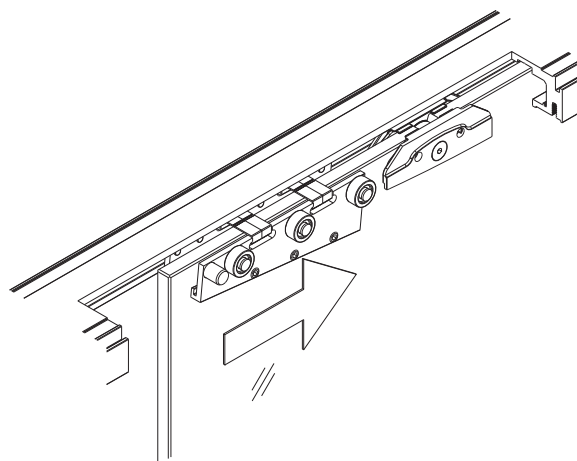
Two stationary elements in glass and one sliding door



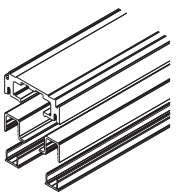
Two stationary elements in wood and two sliding doors

## Wedge suspension for glass sliding doors

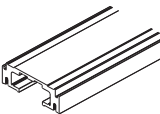


The new, patent-pending wedge suspension sets new standards with regard to the ease and speed of fitting and adjusting the height of sliding glass doors.



## Running track sets to HAWA-Puro 100-150

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track set, alu plain anodized, predrilled, incl. u-profile and cover profile, alu plain anodized	2500 (8'2 $\frac{7}{16}$ ")	20864
		3500 (11'5 $\frac{13}{16}$ ")	20863
		6000 (19'8 $\frac{7}{32}$ ")	21123
	Running track set, alu plain anodized, predrilled, incl. u-profile and cover profile, alu unanodized	6000 (19'8 $\frac{7}{32}$ ")	20857
	Running track set, alu stainless steel effect, brushed, predrilled, incl. u-profile and cover profile, alu stainless steel effect	2500 (8'2 $\frac{7}{16}$ ")	20867
		3500 (11'5 $\frac{13}{16}$ ")	20866
		6000 (19'8 $\frac{7}{32}$ ")	20182

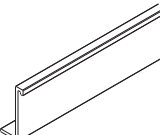
## Running track profiles cut to size

Caution: - Hole positions vary - Minor differences in colour are possible			code
	Running track, predrilled, alu, cut to size	plain anodized	21145
		stainless steel effect, brushed	21318
	U-Profile for fixing stationary section, predrilled, to running track, alu, cut to size	plain anodized	21365
		unanodized	21367
		stainless steel effect, brushed	21366
	Cover profile to u-profile, alu, cut to size	plain anodized	19548
		unanodized	20856
		stainless steel effect, brushed	21284

## Running track sets comprising

		mm/ inch	20864	20863	21123	20857	20866	20182	code
Running track, predrilled, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	1						21142
		3500 (11'5 $\frac{13}{16}$ ")	1						21143
		6000 (19'8 $\frac{7}{32}$ ")		1	1				21110
	stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")				1			21317
		3500 (11'5 $\frac{13}{16}$ ")					1		21316
		6000 (19'8 $\frac{7}{32}$ ")						1	21144
U-profile for fixing stationary section, predrilled, to running track, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	2						21363
		3500 (11'5 $\frac{13}{16}$ ")	2						21361
		6000 (19'8 $\frac{7}{32}$ ")		2					21352
	unanodized	6000 (19'8 $\frac{7}{32}$ ")			2				21354
	stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")				2			21364
		3500 (11'5 $\frac{13}{16}$ ")					2		21362
		6000 (19'8 $\frac{7}{32}$ ")						2	21353
Cover profile to u-profile, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	2						20865
		3500 (11'5 $\frac{13}{16}$ ")	2						21230
		6000 (19'8 $\frac{7}{32}$ ")		2					21229
	unanodized	6000 (19'8 $\frac{7}{32}$ ")			2				20855
	stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")				2			21315
		3500 (11'5 $\frac{13}{16}$ ")					2		21314
		6000 (19'8 $\frac{7}{32}$ ")						2	21283

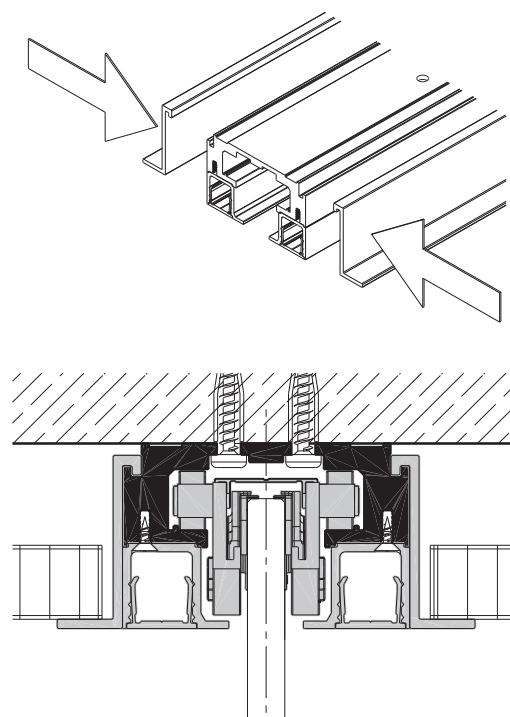
## Ceiling joint profiles

Caution: Minor differences in colour are possible		mm/inch	code
	Ceiling joint profile, alu plain anodized, to running track	2500 (8'2 $\frac{7}{16}$ ")	21151
		3500 (11'5 $\frac{13}{16}$ ")	21149
		6000 (19'8 $\frac{7}{32}$ ")	21250
	Ceiling joint profile, alu unanodized, to running track	cut to size	21152
		6000 (19'8 $\frac{7}{32}$ ")	21037
		cut to size	21127
	Ceiling joint profile, alu, stainless steel effect, brushed, to running track	2500 (8'2 $\frac{7}{16}$ ")	21321
		3500 (11'5 $\frac{13}{16}$ ")	21320
		6000 (19'8 $\frac{7}{32}$ ")	21150
		cut to size	21322

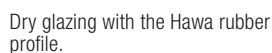
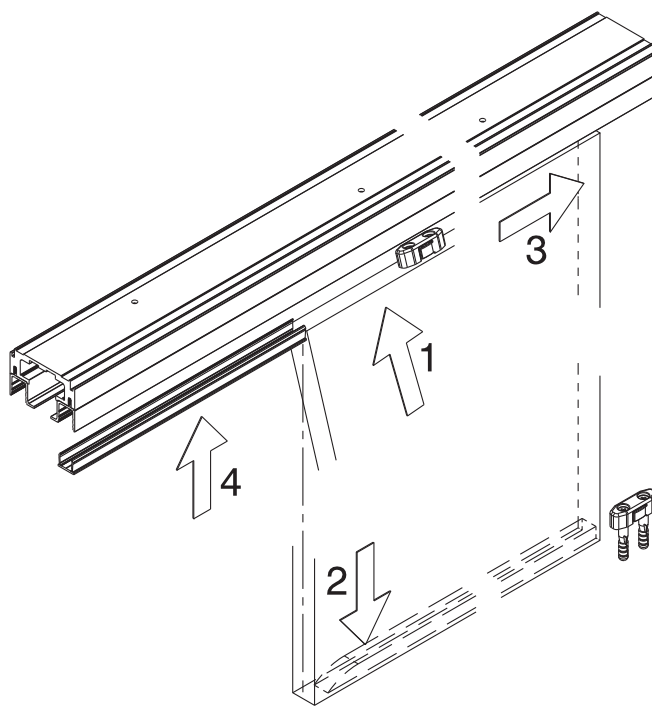
## Integration in suspended ceilings

Ceiling joint profiles for running tracks enable simple designs for suspended lightweight ceilings. They are delivered as individual components.

Maximum load per metre of ceiling joint profile: 15 kg/m.



### Fitting of stationary element in wood



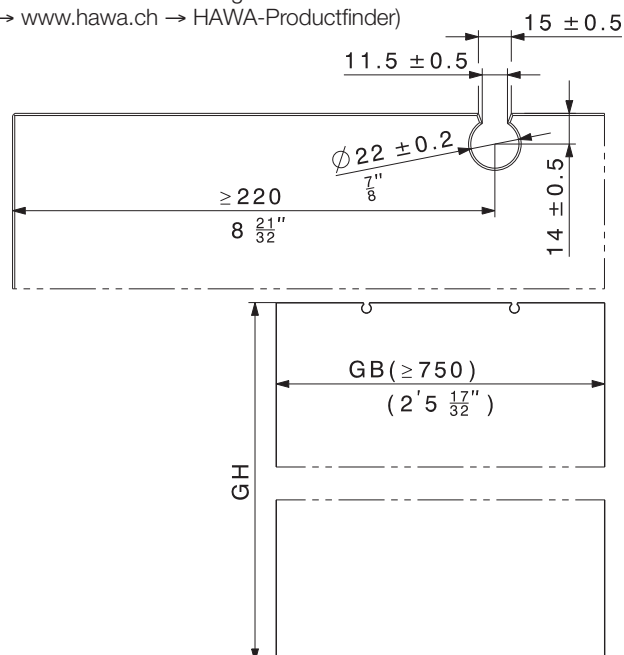
Attention:  
to be used on both sides, i.e.  
order double the amount.




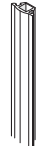
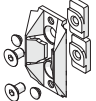

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass):  
8/10/12/12,7 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ / $\frac{15}{32}$ / $\frac{1}{2}$ ), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass):  
2x4  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x5  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x6  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ ") in the glass cutout
- Glass thickness fixed glass ESG (fully tempered monolithic glass)/  
VSG (fully tempered laminated glass) 8–12mm ( $\frac{5}{16}$ "– $\frac{15}{32}$ ") with silicone up to 13 mm ( $\frac{17}{32}$ ")

Please use assembly instructions number 21133 for detailed glass calculations and to order glass elements.  
(→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

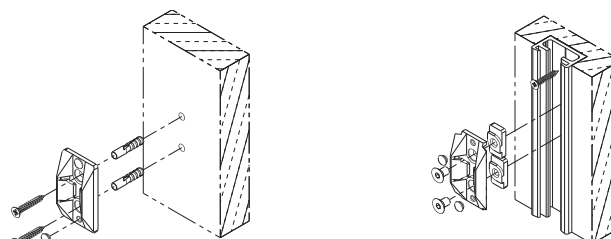
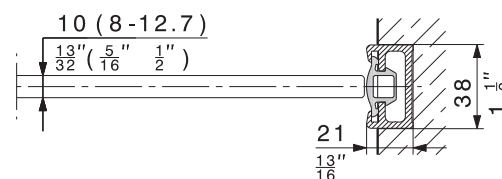


## Wall connection profile

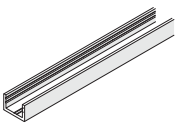
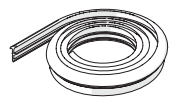
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	17021
		stainless steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	20120
	Seal profile, black, for wall profile		roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	16452
			roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.

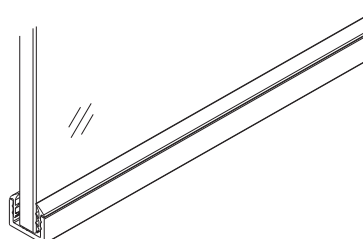


## Bottom, wall and rubber profile to fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Bottom/wall profile to fixed glass, alu, plain anodized, predrilled	4000 (13'1 <sup>1</sup> / <sub>2</sub> ")	19549
		6000 (19'8 <sup>7</sup> / <sub>32</sub> ")	19561
		cut to size	20067
	Bottom/wall profile to fixed glass, alu, stainless steel effect, brushed, predrilled	4000 (13'1 <sup>1</sup> / <sub>2</sub> ")	21285
		6000 (19'8 <sup>7</sup> / <sub>32</sub> ")	21286
		cut to size	21287
	Rubber profile, black to fixed glass 8–9.9 mm ( <sup>5</sup> / <sub>16</sub> "– <sup>13</sup> / <sub>32</sub> ")	roll of 10 m (32'9 <sup>33</sup> / <sub>32</sub> ")	25787
	Rubber profile, black to fixed glass 10–12 mm ( <sup>13</sup> / <sub>32</sub> "– <sup>15</sup> / <sub>32</sub> ")		25789
	Rubber profile, black to fixed glass 12.1–13.1 mm ( <sup>15</sup> / <sub>32</sub> "– <sup>17</sup> / <sub>32</sub> ")		25763

## Bottom/wall profile to fixed glass

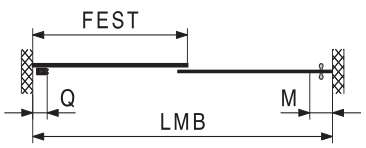
The retention profile provides stability for the fixed glass element, whether mounted on or sunk into the floor.



## Nominal order length for straight bottom profile

Approximate lengths for ordering floor profiles for fixed glass elements can be calculated as follows:

## Nominal order length for straight bottom profile

Installation	length incl. trimming reserve
	$\frac{LMB - M + Q + 30}{2}$
LMB = Entire opening width M = Door grip (incl. safety clearance) Q = Bottom door stopper [80 mm (3 <sup>5</sup> / <sub>32</sub> ")] Fest = Length of bottom profile	

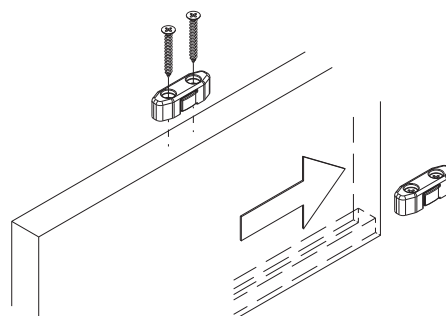
Refer to assembly instructions code 21133 for further calculation formulas. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

### Fixing set for stationary wood


	Fixing set for stationary wood part, black plastic, set of 4 pieces	code  21346
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### Fixing set for stationary wood

The fixing set is needed to secure stationary elements made of wood or other materials. Fixing brackets are screwed to the top of the stationary element and to the floor.

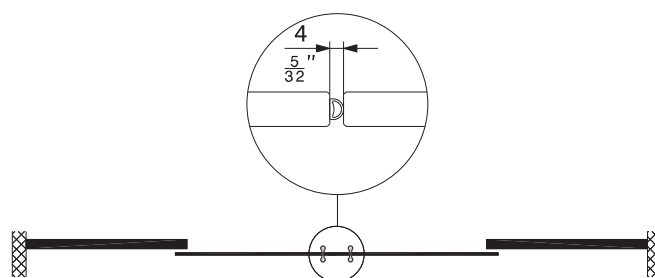


### Rubber profile for glass edge protection

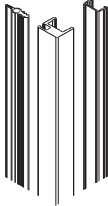
		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ ) glass thickness, black, glass distance 4 mm ( $\frac{5}{32}$ ")	5 m (16'4 $\frac{27}{32}$ ")	19442
		10 m (32'9 $\frac{23}{32}$ ")	19443
		50 m (164'1 $\frac{1}{2}$ ")	19444
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ ) glass thickness, translucent, glass distance 4 mm ( $\frac{5}{32}$ ")	5 m (16'4 $\frac{27}{32}$ ")	19445
		10 m (32'9 $\frac{23}{32}$ ")	19446
		50 m (164'1 $\frac{1}{2}$ ")	19447

### Rubber profile for glass edge protection

Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent all-glass sliding doors.

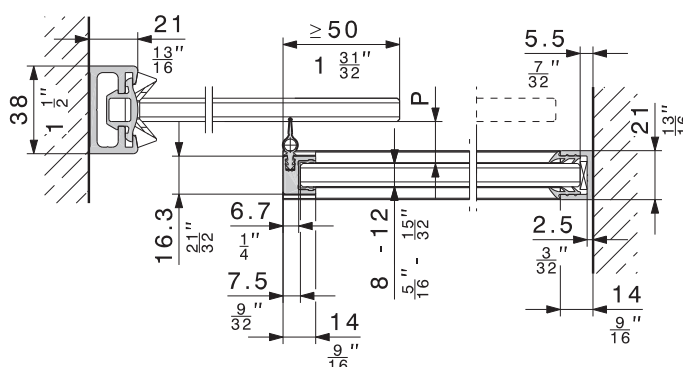


### Vertical sealing profile

Caution: Minor differences in colour are possible			mm/ inch	code
	Vertical seal 13/18, alu, for all-glass sliding doors with fixed glass, set for glass distance 13–18,5 mm ( $\frac{17}{32}$ – $\frac{3}{4}$ ")	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	20283
			3500 (11'5 $\frac{13}{16}$ ")	20284
		stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	21290
			3500 (11'5 $\frac{13}{16}$ ")	21291
	Vertical seal 18/20, alu, for all-glass sliding doors with fixed glass, set for glass distance 18–20,5 mm ( $\frac{23}{32}$ – $\frac{13}{16}$ ")	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	21246
			3500 (11'5 $\frac{13}{16}$ ")	21247
		stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	21335
			3500 (11'5 $\frac{13}{16}$ ")	21336

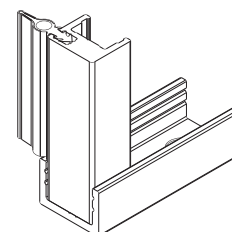
### Vertical sealing profile

The vertical sealing profile is effective against draughts. The slim aluminium profile affixes frontally to glass elements 8–12 mm ( $\frac{5}{16}$ – $\frac{15}{32}$ ") thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks throughout years of service.



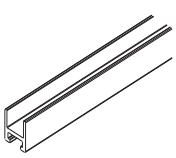
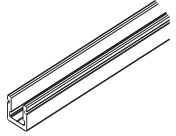

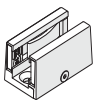

### Glass distance «P» for vertical sealing profile

System	Glass thickness sliding door	Vertical seal	Glass distance «P»
HAWA-Puro 100-150	11-13 mm $\left(\frac{7}{16} - \frac{17}{32}\right)$	13/18	13-18,5 mm $\left(\frac{17}{32} - \frac{3}{4}\right)$
	8-10 mm $\left(\frac{5}{16} - \frac{13}{32}\right)$	18/20	18-20,5 mm $\left(\frac{23}{32} - \frac{13}{16}\right)$



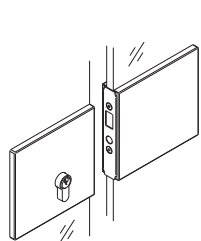
The vertical sealing profile is inserted into the floor/wall profile for fixed glass elements.

## Floor-mounted guides/Bottom door stop

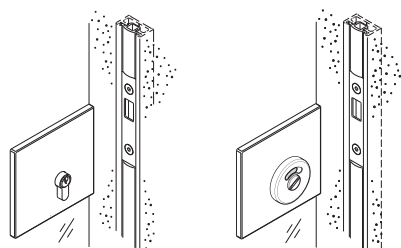
Caution: Minor differences in colour are possible			mm/inch	code
	Glass retention profile for floor guide, alu, for glass thickness 8-13 mm ( $\frac{5}{16}$ " - $\frac{1}{2}$ " )	plain anodized	6000 (19'8 $\frac{7}{32}$ " )	21402
			cut to size	21404
		stainless steel effect, brushed	6000 (19'8 $\frac{7}{32}$ " )	21405
			cut to size	21403
	Bottom guide channel, alu, predrilled 16 x 16 mm ( $\frac{5}{8}$ " x $\frac{5}{8}$ " )	plain anodized	3500 (11'5 $\frac{13}{16}$ " )	18864
			6000 (19'8 $\frac{7}{32}$ " )	18216
			cut to size	18477
	Floor guide, screw mounting, rattle proof, alu, for glass retention profile	plain anodized		21406
		stainless steel effect		21159
	Rattle-proof floor guide 2-part, inc. self-adhesive sliders for satinised glass, glass thickness 8-13 mm ( $\frac{5}{16}$ " - $\frac{1}{2}$ " )	dull chromium finish		21029
		stainless steel effect		20858
	Bottom door stop with centering assembly	dull chromium finish		20773
		stainless steel effect		21473

## Better safe than sorry

Thanks to its combined aesthetic and security appeal, the HAWA-Toplock for all-glass sliding doors makes the ideal solution.  
Details: → HAWA-Toplock



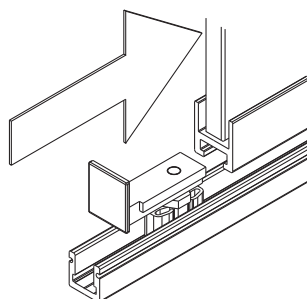
HAWA-Toplock with countercasing



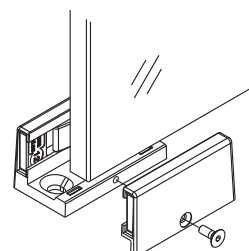
HAWA-Toplock with wall profile and seal profile, black 16452/16453.

## Floor guide variants

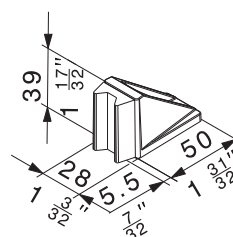
Doors can travel free of play through a continuous two-part floor guide. We recommend the continuous guide profile for doors wider than approx. 1500 mm to achieve optimum stability and best possible sliding properties. Furthermore, sliding doors should be stopped simultaneously at the top and bottom. The bottom door stopper does the job quietly and is gentle to the hardware.



Rattle-proof floor guide, continuous



Rattle-proof floor guide, 2-part

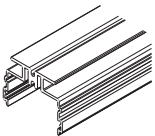
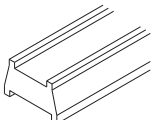
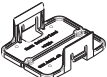



Bottom door stop with centering assembly

## HAWA-Adapto 100–150/P for HAWA-Puro 100–150

	mm/inch	code
HAWA-Adapto 100–150/P, inset profile for concrete surface, set for HAWA-Puro 100–150	2500 (8'2 <sup>7</sup> / <sub>16</sub> "	21446
	3500 (11'5 <sup>13</sup> / <sub>16</sub> "	21447
	6000 (19'8 <sup>7</sup> / <sub>32</sub> "	21448






## Set comprising

		mm/inch	21446	21447	21448	code
	HAWA-Adapto 100–150/P inset profile for concrete surface, alu	2500 (8'2 <sup>7</sup> / <sub>16</sub> "	1			21157
		3500 (11'5 <sup>13</sup> / <sub>16</sub> "		1		21156
		6000 (19'8 <sup>7</sup> / <sub>32</sub> "			1	21154
	HAWA-Adapto 100–150/P polystyrene insert	1000 (3'3 <sup>3</sup> / <sub>8</sub> "	2	3	6	21399
		500 (1'7 <sup>11</sup> / <sub>16</sub> "	1	1		21400
	HAWA-Adapto 100–150/P assembly clips, plastic black		4	5	7	21350
	HAWA-Adapto 100–150/P cover plate, plastic grey		2	2	2	21343

## Fitting sets to HAWA-Adapto 100–150/P

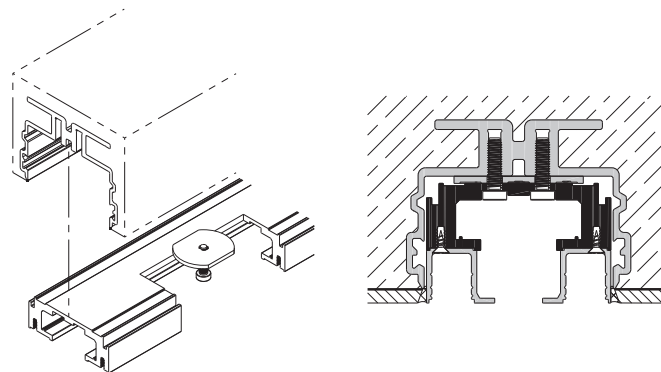
	mm/inch	code
Fitting sets to HAWA-Adapto 100–150/P	to 2500 (8'2 <sup>7</sup> / <sub>16</sub> "	21323
	2501 to 3500 (8'2 <sup>27</sup> / <sub>32</sub> " to 11'5 <sup>13</sup> / <sub>16</sub> "	21324
	3501 to 6000 (11'5 <sup>27</sup> / <sub>32</sub> " to 19'8 <sup>7</sup> / <sub>32</sub> "	21325

## Sets comprising

		mm/ inch	21323	21324	21325	code
	Distance plate, plastic	1 (1 <sup>1</sup> / <sub>16</sub> "	4	4	5	19398
		2 (3 <sup>3</sup> / <sub>32</sub> "	4	4	5	19399
		3 (1 <sup>1</sup> / <sub>8</sub> "	4	4	5	19400
		5 (5 <sup>7</sup> / <sub>32</sub> "	4	4	5	19401
	Special pan head screws, 6 x 22 mm (1/4 x 7/8"), set of 10 pieces		1	2	3	20215

## Easy installation of HAWA-Puro running tracks

The HAWA-Adapto 100–150/P profile has two screw ducts. HAWA-Puro running tracks can be attached via the screw duct with special adjustable screws (cheese head screws). Dimensional differences in the structure can be quickly and effectively levelled out by inserting spacing plates at the track ends, with additional plates in the centre for lengths of more than 3,5 m (11'5 <sup>13</sup>/<sub>16</sub>").



## Please observe when designing

The HAWA-Adapto 100–150/P profile must be fitted exactly to the shuttering.

For planning and installation purposes, please use the installation drawing code 21119. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Order specifications

- Type and quantity of sets
- Type and quantity of glass fixing parts
- Type and quantity of running track sets
- Type and quantity of floor-mounted guides

## Optional order specifications

- Type and quantity of HAWA-Adapto 100–150/P sets
- Type and quantity of HAWA-Adapto 100–150/P fitting sets
- Type and quantity of ceiling joint profiles
- Type and quantity of bottom guide channel
- Type and length of rubber profile for glass edge protection
- Type and quantity of wall connection profile

## Order specifications stationary sections

- Type and quantity of bottom/wall profile to fixed glass
- Type and quantity of rubber profile to fixed glass
- Type and quantity of vertical sealing profiles
- Quantity of fixing sets for stationary wood parts

## Planning/installation

For planning and installation purposes, please use the installation drawing code 21133. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Greatest possible transparency.

**Hardware system for all-glass sliding doors with concealed suspension, weighing up to 80 kg (176 lbs.).**

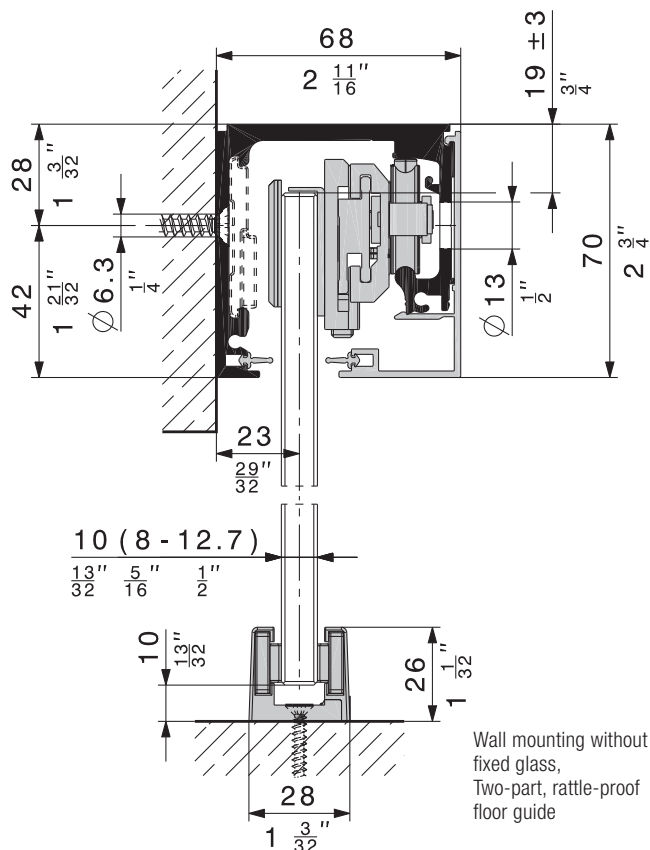
### Description

HAWA-Purolino-PLUS 80: the sophisticated hardware system for all-glass sliding doors with concealed suspension for mounting to the wall or ceiling or integrating in the ceiling offers not only outstanding sliding convenience but also exemplary ease of installation. There are many reasons that make sliding solutions based on the HAWA-Purolino-PLUS 80 a pure pleasure. The high-quality ball-bearing technology incorporated in each trolley, for instance, allows you to move doors weighing up to 80 kg quietly and effortlessly on anodized running tracks. During installation, you will benefit from advantages such as the two-part, point-fixing and rattle-proof floor-mounted guide, the simple clip-on cover and screen profiles and the suspension wedges. The word «PLUS» stands for the optionally available soft closing mechanism SoftMove 80 for the HAWA-Purolino-PLUS 80, as well as for the fixed glass profile that guarantees a convenient option for room partitioning solutions when bolted to the running track. There are also optional additional profiles for vertical wall connections and for locking the installation with the HAWA-Toplock for all-glass sliding doors.

### Applications

Ideal for situations incorporating glass as room partitioning and design elements, for instance in hotels, restaurants, retirement residences, conference rooms, administration buildings and private residences.

### Example of application: wall mounting



### Features of the HAWA-Purolino-PLUS 80

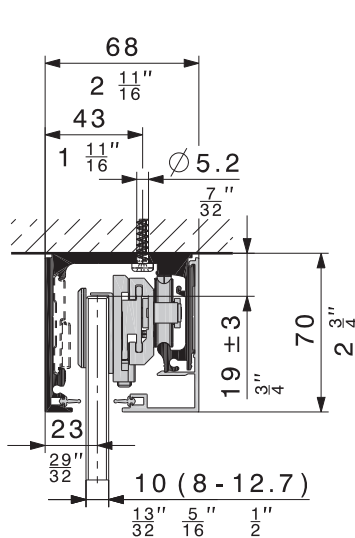
- Maximum door weight 80 kg (176 lbs.)
- Minimum door width
  - without soft closing mechanism SoftMove 80: 600 mm (1'11 5/8")
  - with SoftMove 80, two-sided damping: 850 mm (2'9 15/32")
- Trolleys with high-quality ball bearing technology
- Glass suspension technology completely integrated in the running track
- Fast installation and height adjustment thanks to suspension wedges
- Glass doors with a interlocking connection to the hardware
- Surfaces of running tracks, fixed glass profiles and cover profiles available in plain anodized or stainless-steel effect
- Removable cover and screen profiles
- Fixed glass profile attachable to the running track
- High-quality metal cover caps for the face side of running tracks without fixed glass elements
- Combinable with a vertical wall profile and a HAWA-Toplock
- Glass thickness sliding door
  - ESG (fully tempered monolithic glass): 8/10/12/12,7 mm (5/16"/32"/15/32"/1 1/2")
  - VSG (fully tempered laminated glass): 8–12,7 mm (5/16"–1 1/2")
- Glass thickness fixed glass:
  - ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) 8–12 mm (5/16"–15/32") [with silicon up to 13 mm (17/32")]

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

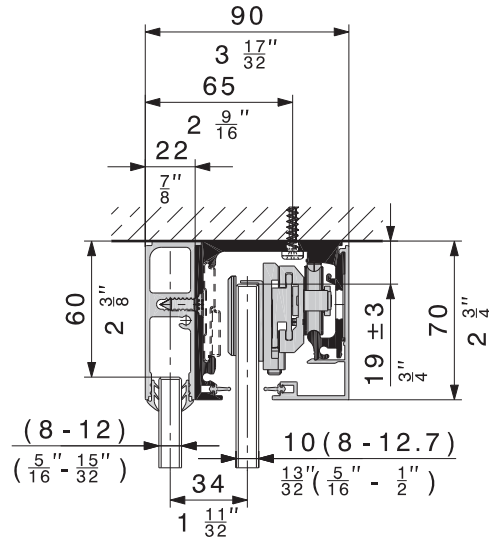
## Further application examples

The HAWA-Purolino-PLUS 80 is ideal for mounting to the wall and ceiling and also for recessed ceiling applications. The two ceiling-mounting variants can be designed with or without fixed glass elements. The relevant components such as trolley, track stop and SoftMove 80 can be fitted and removed from underneath on every design option.

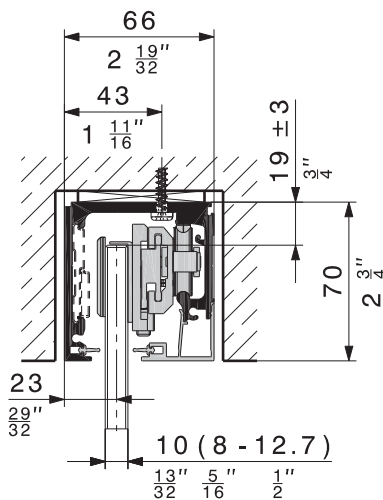
HAWA-Purolino-PLUS 80 makes an aesthetically appealing impression all round thanks to the cover and screen profiles that simply clip on when installation is complete.



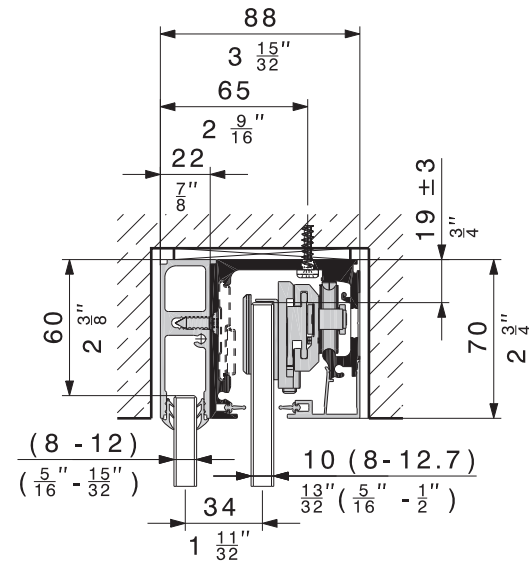
Ceiling mounting  
without fixed glass



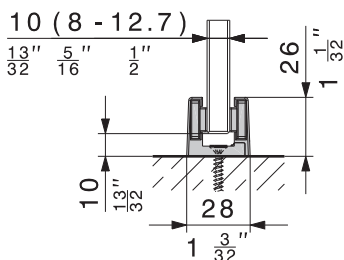
Ceiling mounting with  
profile for fixed glass



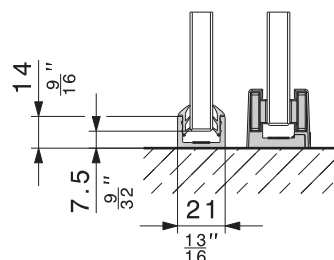
Integrated ceiling mounting  
without fixed glass



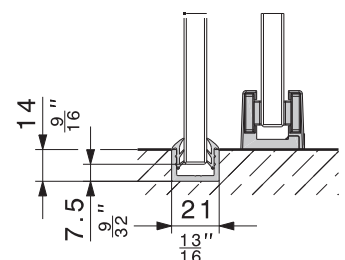
Integrated ceiling mounting  
with profile for fixed glass



Two-part, rattle-proof  
floor guide



Surface mounted bottom/wall  
profile to fixed glass, two-part,  
rattle-proof floor guide

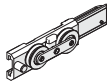
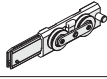
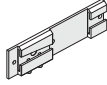
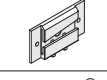
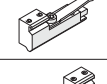
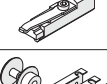
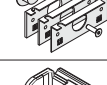
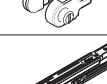
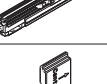
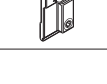
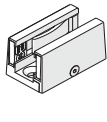


Recess mounted bottom/wall  
profile to fixed glass, two-part,  
rattle-proof floor guide

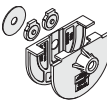
## HAWA-Purolino-PLUS 80, set without running tracks

	code
HAWA-Purolino-PLUS 80, set for 1 panel, fully tempered monolithic glass, anodised, no soft closing mechanism	25549
HAWA-Purolino-PLUS 80, set for 1 panel with 1 soft closing mechanism	25550
HAWA-Purolino-PLUS 80, set for 1 panel, fully tempered monolithic glass, stainless steel effect, no soft closing mechanism	25551
HAWA-Purolino-PLUS 80, set for 1 panel, fully tempered monolithic glass, stainless steel effect, soft closing mechanism	25552

## Set comprising

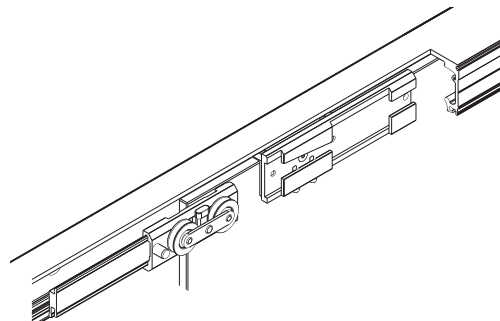
		25549	25550	25551	25552	code
	Two-wheeled trolley left, with plastic-tyred ball bearing wheels	1	1	1	1	23941
	Two-wheeled trolley right, with plastic-tyred ball bearing wheels	1	1	1	1	23942
	Suspension wedges for glass mountig, left	1	1	1	1	23939
	Suspension wedges for glass mountig, right	1	1	1	1	23940
	Track stop, adjustable retaining force, left	1	1	1	1	23874
	Track stop, adjustable retaining force, right	1	1	1	1	23875
	Glass fixing parts for fully tempered monolithic glass, thickness 8, 10, 12 (12,7) mm	1	1	1	1	25553
	Glass connector, complete	–	1	–	1	23747
	Soft closing mechanism SoftMove 80 for HAWA-Purolino-PLUS 80, two-sided damping	–	1	–	1	23880
	Trigger cams, complete, left or right mountable	–	2	–	2	24161
	Rattle-proof floor guide 2-part, incl. self-adhesive sliders for satinised glass, glass thickness 8–13 mm ( $\frac{5}{16}$ – $\frac{17}{32}$ )	1	1	–	–	21029
	stainless-steel effect					20858

## Glass fixing parts

	mm	code
	2 x 4	25554
	2 x 5	25555
	2 x 6	25556

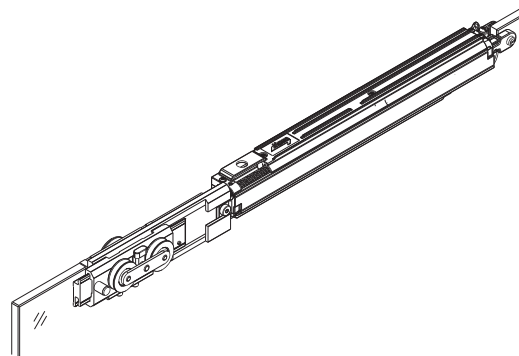
## Suspension wedges for glass sliding doors

The suspension wedges set new standards with regard to ease and speed when installing and adjusting the height of glass sliding doors. Firstly, because the wedges simply slide into the trolleys; secondly, because the soft closing mechanism SoftMove 80 for the HAWA-Purolino-PLUS 80 attaches to the left-hand suspension wedge with no need for additional components.



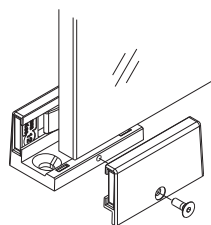
## Soft closing mechanism SoftMove 80 for HAWA-Purolino-PLUS 80

The soft closing mechanism SoftMove 80 gently decelerates and closes sliding doors equipped with HAWA-Purolino-PLUS 80. Integrated completely in the running track, the soft closing mechanism SoftMove 80 gently decelerates the sliding doors and pulls them into the end position.

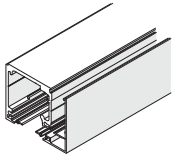


## Bottom door stop

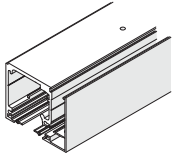
The sliding doors have a two-part, rattle-proof floor guide.



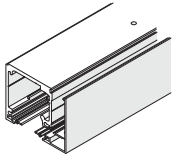
## Running track set, wall mounting without fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible			mm inch	code
	Running track set for wall mounting, predrilled, incl. angled cover profile, alu, screen profile, rubber black	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	24151
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	24152

## Running track set, ceiling mounting without fixed glass

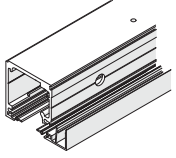
Caution: - Hole positions vary - Minor differences in colour are possible			mm inch	code
	Running track set for ceiling mounting without fixed glass, predrilled, incl. angled cover profile, alu, screen profile, rubber black	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	24153
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	24154

## Running track set, ceiling mounting (with fixed glass)

Caution: - Hole positions vary - Minor differences in colour are possible			mm inch	code
	Running track set, predrilled for ceiling mounting and fixed glass profile, incl. angled cover profile, alu, screen profile, rubber black	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	24157
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	24158


Profile for fixed glass to order separately

## Running track set, integrated ceiling mounting (with/without fixed glass)

Caution: - Hole positions vary - Minor differences in colour are possible			mm inch	code
	Running track set, predrilled for integrated ceiling mounting and fixed glass profile, incl. lower cover profile, alu, screen profile, rubber black	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	24155
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	24156

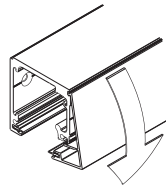
Profile for fixed glass to order separately

## Bottom door stop

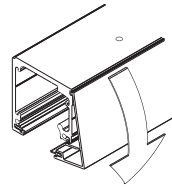
Caution: Minor differences in colour are possible			code
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

## Wall or ceiling mounting without fixed glass

The running track is pre-drilled for wall or ceiling mounting; the angled cover profile is clipped on after installation.



Wall mounting:  
Running track without fixed glass, dressing with angled cover profile

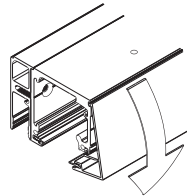


Ceiling mounting:  
Running track without fixed glass, dressing with angled cover profile

## Ceiling mounting with fixed glass

The running track in the running track set for ceiling mounting has drill holes on two sides. Those on the top are for mounting to the ceiling and those on the side are for attaching the fixed glass profile (to be ordered separately).

The angled cover profile is clipped to the running track and fixed glass profile once they are attached to the ceiling.

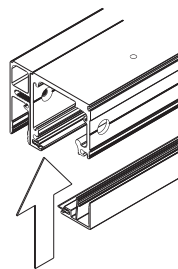


Ceiling mounting:  
Running track with fixed glass and dressing with angled cover profile

## Integrated ceiling mounting with/without fixed glass

This running track set (running track drilled on two sides) is used for recessed ceiling installations with and without fixed glass elements. The profile for fixed glass elements (to be ordered separately) is attached to the running track with special countersunk screws.

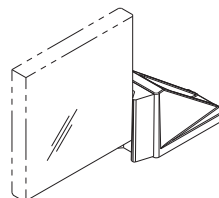
The clip-on cover profile is attached to the running track (with or without a fixed glass profile) from below after it is fitted in the ceiling.



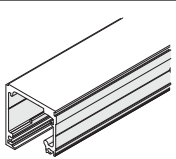
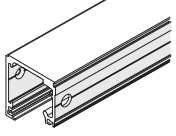
Integrated ceiling mounting:  
Running track with fixed glass and dressing with lower cover profile

## Bottom door stop

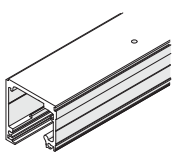
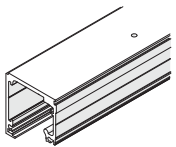
The bottom door stop and track stop simultaneously bring the sliding doors to a halt, quietly and with no strain on the hardware.



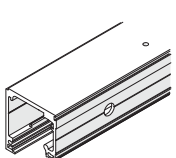
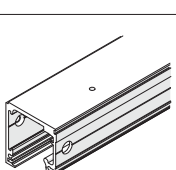
## Running track, wall mounting without fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Running track with cutout, predrilled for wall mounting, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	23841
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	23842
	Running track, predrilled for wall mounting, alu	plain anodized	6000 (19'8 $\frac{7}{32}$ ")	23833
		cut to size		23834
		stainless-steel effect, brushed	6000 (19'8 $\frac{7}{32}$ ")	23835
		cut to size		23836

## Running track, ceiling mounting without fixed glass

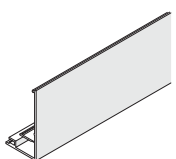
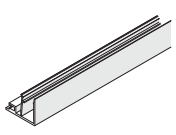
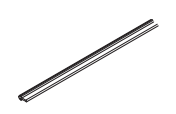
Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Running track with cutout, predrilled for ceiling mounting, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	23843
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	23844
	Running track, predrilled for ceiling mounting, alu	plain anodized	6000 (19'8 $\frac{7}{32}$ ")	23837
		cut to size		23838
		stainless-steel effect, brushed	6000 (19'8 $\frac{7}{32}$ ")	23839
		cut to size		23840

## Running track, ceiling mounting (without/for fixed glass)

Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Running track with cutout, predrilled for ceiling and integrated ceiling mounting as well as fixed glass profile, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	24120
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	24121
	Running track, predrilled for ceiling and integrated ceiling mounting as well as fixed glass profile, alu	plain anodized	6000 (19'8 $\frac{7}{32}$ ")	24118
		cut to size		24122
		stainless-steel effect, brushed	6000 (19'8 $\frac{7}{32}$ ")	24119
		cut to size		24123

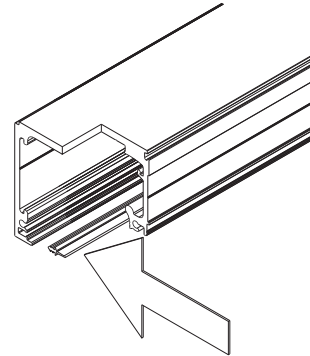
Profile for fixed glass to order separately

## Cover and screen cover profile for running track

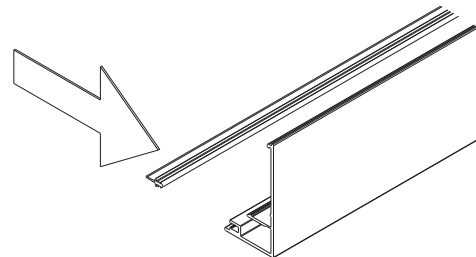
Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Angled cover profile for running track, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	23810
			6000 (19'8 $\frac{7}{32}$ ")	23811
			cut to size	23816
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	23817
			6000 (19'8 $\frac{7}{32}$ ")	23818
			cut to size	23819
	Lower cover profile for running track, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	23899
			6000 (19'8 $\frac{7}{32}$ ")	23898
			cut to size	23900
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	23902
			6000 (19'8 $\frac{7}{32}$ ")	23901
			cut to size	23903
	Screen cover profile for cover profile and running track	rubber black	2.5 m (8'2 $\frac{7}{16}$ ")	23909
			10 m (32'9 $\frac{23}{32}$ ")	23910
			50 m (164'0 $\frac{1}{2}$ ")	23911

## Running tracks, cover- and screen cover profiles

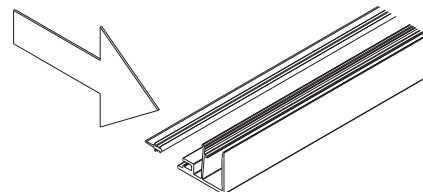
The running tracks, cover profile and screen profile are available not only as a set but also individually in lengths of 2500 mm (8'2 $\frac{7}{16}$ "), 6000 mm (19'8 $\frac{7}{32}$ ") and cut to size. Running tracks and cover profiles are available in plain anodized aluminium or a brushed stainless steel effect; the screen profiles are made of black rubber.



Running track with screen cover profile



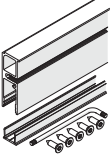
Angled cover profile with screen cover profile



Lower cover profile with screen cover profile

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

## Profile set for fixed glass

Caution: Minor differences in colour are possible			mm/inch	code
	Profile set for fixed glass, incl. cover profile, alu, set incl. special countersunk screws, 5,5 x 19 mm ( $\frac{7}{32}'' \times \frac{3}{4}''$ )	plain anodized	2500 (8'2 $\frac{7}{16}''$ )	24159
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}''$ )	24160

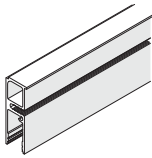

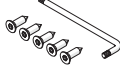
## Profile for fixed glass

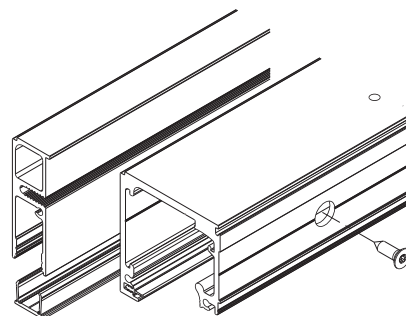
The HAWA-Purolino-PLUS 80 is a versatile room partitioning system thanks to the combination of running track and fixed glass profile. The profile for fixed glass elements is attached to the running track with special countersunk screws.

The Hawa rubber profile or a silicone joint keeps the glass element in place without a cutout or hardware elements and prevent moisture from penetrating between glass and profile.

The clip-on cover profile is designed for the doorway area.

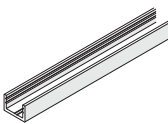

## Profile for fixed glass

Caution: Minor differences in colour are possible			mm/inch	code
	Profile for fixed glass, alu	plain anodized	2500 (8'2 $\frac{7}{16}''$ )	23768
			6000 (19'8 $\frac{7}{32}''$ )	23770
			cut to size	23772
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}''$ )	23769
	Cover profile to profile fixed glass, alu	plain anodized	2500 (8'2 $\frac{7}{16}''$ )	20865
			6000 (19'8 $\frac{7}{32}''$ )	21229
			cut to size	19548
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}''$ )	21315
	Special countersunk screws, 5,5 x 19 mm ( $\frac{7}{32}'' \times \frac{3}{4}''$ ) for fixing profile fixed glass to running track, set of 5 pieces, for running track length up to 2500 (8'2 $\frac{7}{16}''$ ) mm		6000 (19'8 $\frac{7}{32}''$ )	21283
			cut to size	21284



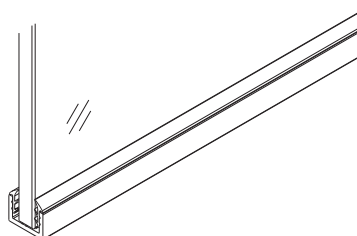
The profile for fixed glass elements is attached to the running track with special countersunk screws and covered from below with the cover profile.

## Bottom, wall and rubber profile to fixed glass



Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Bottom/wall profile to fixed glass, alu, plain anodized, predrilled		4000 (13'1 $\frac{1}{2}''$ )	19549
			6000 (19'8 $\frac{7}{32}''$ )	19561
		cut to size		20067
	Bottom/wall profile to fixed glass, alu, stainless steel effect, brushed, predrilled		4000 (13'1 $\frac{1}{2}''$ )	21285
			6000 (19'8 $\frac{7}{32}''$ )	21286
		cut to size		21287
	Rubber profile, black to fixed glass 8–9.9 mm ( $\frac{5}{16}''$ – $\frac{13}{32}''$ )			25787
	Rubber profile, black to fixed glass 10–12 mm ( $\frac{13}{32}''$ – $\frac{15}{32}''$ )	roll of 10 m (32'9 $\frac{23}{32}''$ )		25789
	Rubber profile, black to fixed glass 12.1–13.1 mm ( $\frac{15}{32}''$ – $\frac{17}{32}''$ )			25763

## Bottom/wall profile for fixed glass

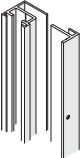

The retention profile provides stability for the fixed glass element, whether surface mounted or sunk into the floor.



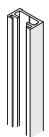



## End profile set wall surface assembly

Caution: Minor differences in colour are possible			mm/inch	code
	End profile set wall surface assembly, complete, alu	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	22148
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	22150
		stainless-steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	22149
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	22151
	Rubber seal for end profile wall surface mounting		2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	22040
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	22041
Scope of delivery for end profile for wall surface mounting:				
<div><div>• End profile</div><div>• Flat profile 20/4 mm</div><div>• Adhesive tape</div><div>• Vertical aluminium profile</div><div>• Vertical plastic profile</div><div>• Cleaning cloth</div></div>				

## Wall profile set for wall surface mounting

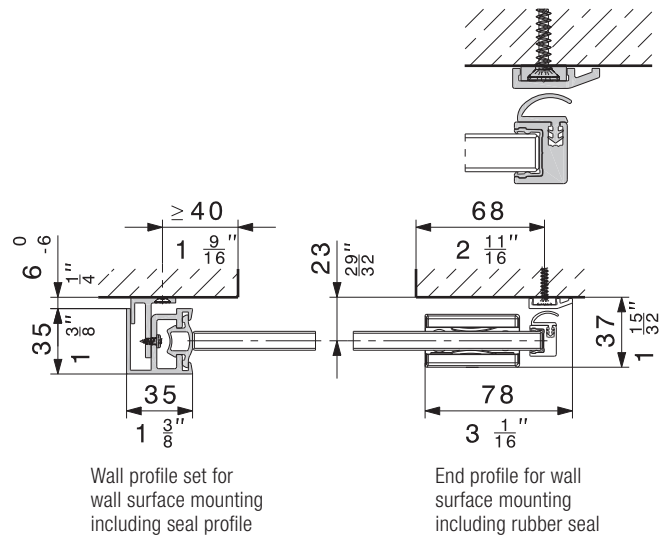
Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Wall profile set for wall surface mounting, alu, predrilled, incl. retainer profile, alu	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	22144
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	22146
		stainless-steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	22145
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	22147
	Seal profile, black, for wall profile		roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	16452
			roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	16453

## Wall connection profile

Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	17021
		stainless-steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	20120
	Seal profile, black, for wall profile		roll 2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	16452
			roll 3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

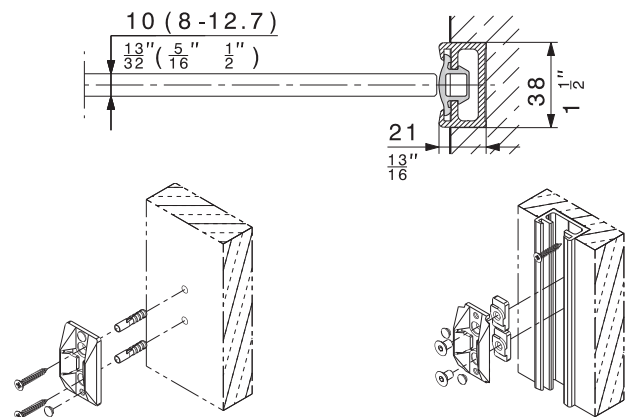
## Wall surface mounting

The vertical additional profiles with rubber seals minimise the vertical gaps between the building wall and the sliding glass door. The strike plate of the HAWA-Toplock for glass sliding doors can be integrated in the wall profile set with the black seal profile 16452/16453 for lockable sliding doors that run in front of a wall.

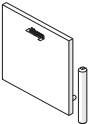


## Wall connection profile

The ideal wall connection profile for glass sliding doors with unprotected glass edges.

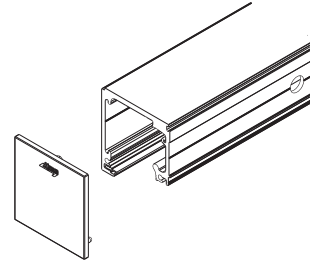


## Side cover cap for running track without fixed glass

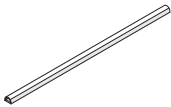
			code
	Side cover cap, incl. grub screw, metal, suitable for both sides, 1 piece	dull chromium finish	24145
		stainless steel effect	24080

## Side cover cap for running track

The metal (Zamak) cover cap is available in a matt chromium finish or stainless steel effect for running tracks without a fixed glass profile. It is available individually and can be fitted left or right as required.

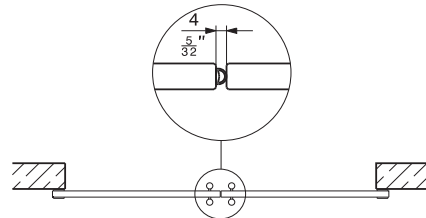


## Rubber profile for glass edge protection


		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ ") glass thickness, black, glass distance 4 mm ( $\frac{5}{32}$ ")	5 m (16'4 $\frac{27}{32}$ ")	19442
		10 m (32'9 $\frac{23}{32}$ ")	19443
		50 m (164'1 $\frac{1}{2}$ ")	19444
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ ") glass thickness, translucent, glass distance 4 mm ( $\frac{5}{32}$ ")	5 m (16'4 $\frac{27}{32}$ ")	19445
		10 m (32'9 $\frac{23}{32}$ ")	19446
		50 m (164'1 $\frac{1}{2}$ ")	19447

## Rubber profile for glass edge protection

Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent glass sliding doors. Using the soft closing mechanism SoftMove 80 the doors are gently decelerated and pulled to the end position.



## Vertical sealing profile

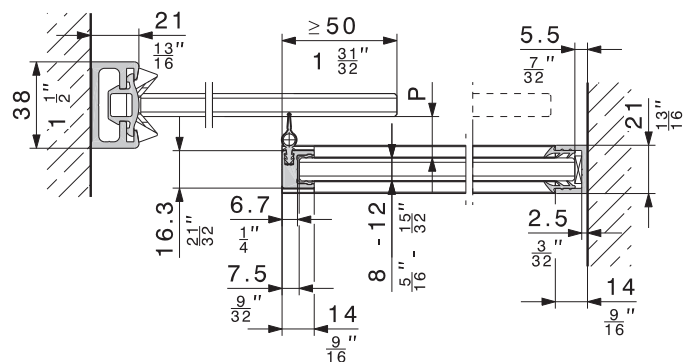
			mm/inch	code
	Vertical seal 20/22, alu, for all-glass sliding doors with fixed glass, set for glass distance 20-22 mm ( $\frac{25}{32}$ " - $\frac{7}{8}$ ")	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	20650
			3500 (11'5 $\frac{13}{16}$ ")	20651

## Glass distance «P» for vertical sealing profile

	glass thickness sliding door	Vertical seal	glass distance «P»
HAWA-Purolino-PLUS 80	8-12 mm ( $\frac{5}{16}$ " - $\frac{11}{32}$ ")	20/22	20-22 mm ( $\frac{25}{32}$ " - $\frac{7}{8}$ ")

## Vertical sealing profile

The vertical sealing profile is effective against draughts. The slim alu-minium profile affixes frontally to glass elements 8-12 mm ( $\frac{5}{16}$ " -  $\frac{11}{32}$ ") thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks throughout years of service.



## Glass cutouts

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

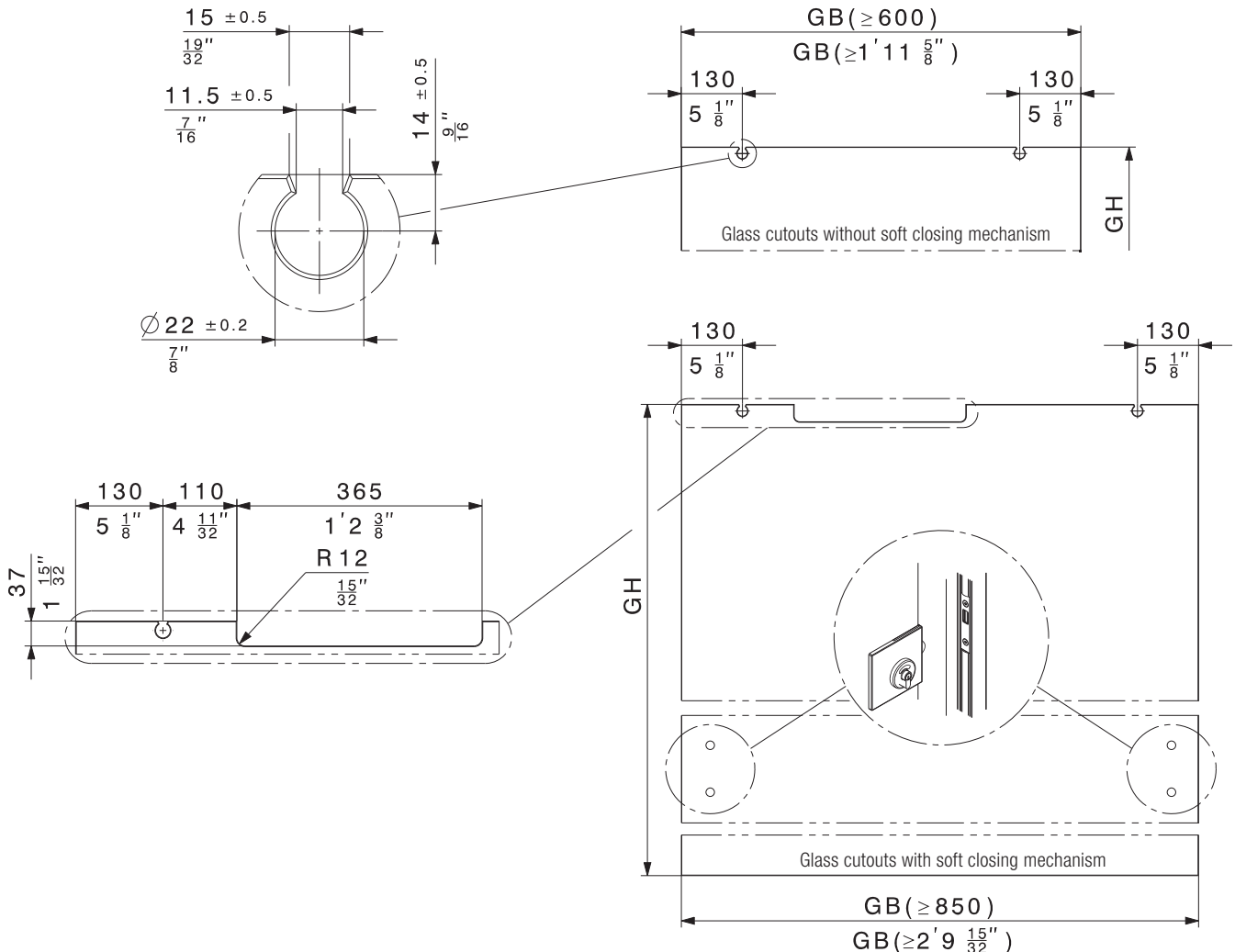
- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/10/12/12,7 mm ( $\frac{5}{16}$ / $\frac{3}{8}$ / $\frac{15}{32}$ / $\frac{1}{2}$ "), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass):  
2x4  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x5  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x6  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ ") in the glass cutout
- Glass thickness fixed glass ESG (fully tempered monolithic glass)/ VSG (fully tempered laminated glass) 8–12mm ( $\frac{5}{16}$ "– $\frac{15}{32}$ ") with silicone up to 13 mm ( $\frac{17}{32}$ ")

Please use assembly instructions number 25557 for detailed glass calculations and to order glass elements.  
( $\rightarrow$  [www.hawa.ch](http://www.hawa.ch)  $\rightarrow$  HAWA-Productfinder)

## Glass sliding door and soft closing mechanism SoftMove 80

The maximum deflection of the glass element must not exceed  $\pm 2$  mm ( $\frac{3}{32}$ ") to maintain the correct functionality of the soft closing mechanism SoftMove 80.

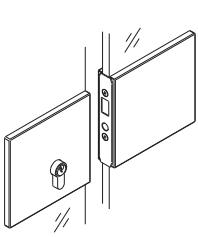
Pull handles are recommended instead of flush handles for greater convenience.



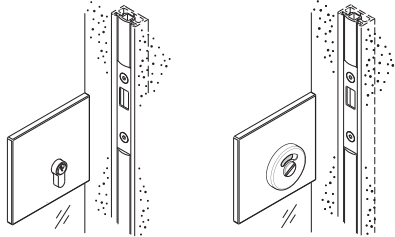
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**Better safe than sorry**

The HAWA-Toplock for all glass sliding doors is the ideal solution as it is aesthetically appealing and very secure. Details: → HAWA-Toplock.



HAWA-Toplock with counter casing



HAWA-Toplock with wall profile and seal profile, black 16452/16453.

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**Order specifications**

- Quantity of sets
- Type and quantity of running track sets
- Type and quantity of cover profiles and screen profiles

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**Optional order specifications**

- Type and quantity of side cover caps
- Type and quantity of end profile set for wall surface mounting
- Type and quantity of wall profile set for wall surface mounting
- Type and quantity of wall joint profiles
- Type and quantity of bottom door stop
- Type and length of rubber profile for glass edge protection
- Type and quantity of additional components for VSG (fully tempered monolithic glass)

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**Optional order specifications fixed glass**

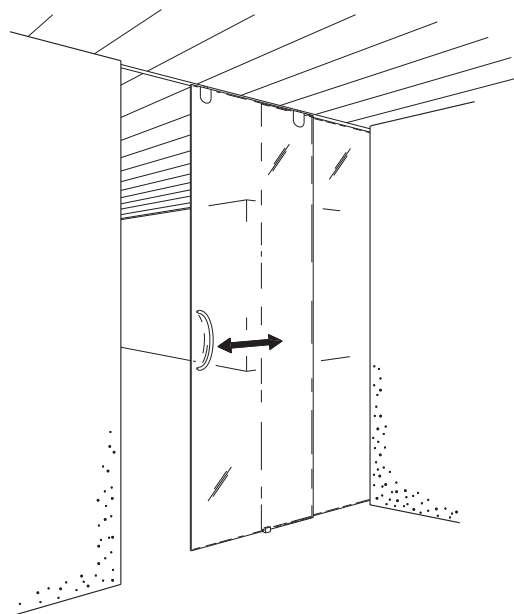
- Type and quantity of profile set for fixed glass
- Type and quantity of bottom/wall profile and rubber profile for fixed glass
- Type and length of vertical sealing profile

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**Planning/installation**

For planning and installation purposes, please use the installation drawing code 25557. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

For convenient operation of sliding doors with soft closing mechanisms, use bow-type handles instead of shell handles.



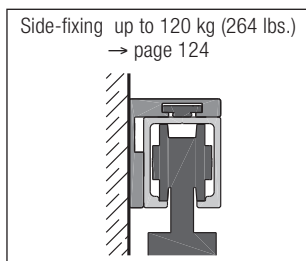
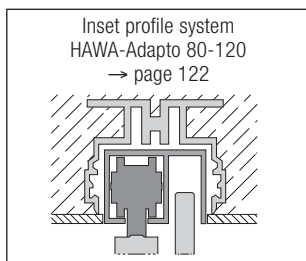
**Hardware system with patch suspension for elegant all-glass sliding doors weighing up to 40, 80, 120 and 160 kg (88, 176, 264 and 352 lbs.).**

## Description

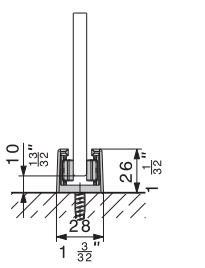
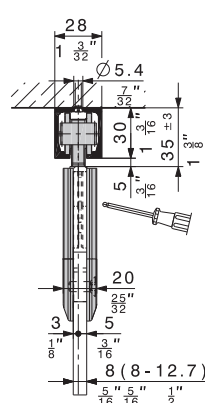
The HAWA-Junior 40-80-120-160/GP is an attractive addition to the highly successful HAWA-Junior family. With its clever glass attachment and guide mechanism, this sophisticated hardware system opens up new dimensions in the field of transparent room design for architects and planners. It is remarkably simple to install: the suspension is fitted from the interior, thus providing protection against break-ins, and the countersunk suspension bolt permits an especially low installation height. It is also extremely simple to adjust the position of the glass sliding door as the vertical adjustment can be carried out from the interior.

## Features of the HAWA-Junior 40-80-120-160/GP

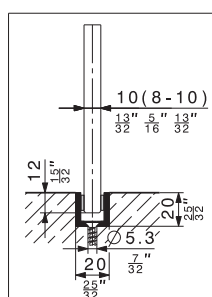
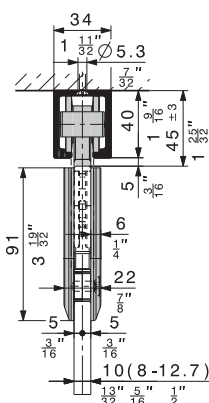
- Two-wheeled trolley, with plastic wheels
- Smooth and quiet operation
- track stop with adjustable retainer
- Vertical adjustment without removing the glass door
- Low installation height
- Cover in rounded or square and in different colours
- Special floor guide, screw mounting, rattle proof, for glass sliding doors
- Soft closing mechanism SoftMove 80 for HAWA-Junior 80
- Further profiles allow fixed glass to be fitted without the hardware being visible
- Glass thickness sliding door  
ESG (fully tempered monolithic glass): 8/10/12/12,7 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ / $\frac{15}{32}$ / $\frac{1}{2}$ " )  
VSG (fully tempered laminated glass): 8,7–12,7 mm ( $\frac{11}{32}$ – $\frac{1}{2}$ " )
- Glass thickness fixed glass  
ESG (fully tempered monolithic glass)/VSG (fully tempered laminated glass): 8–12 mm ( $\frac{5}{16}$ – $\frac{15}{32}$ " ) with silicone up to 13 mm ( $\frac{17}{32}$ " )
- combinable with SoftMove 40-80-120 soft closing mechanism for HAWA-Junior 40-80-120
- can be combined with assembly set for HAWA-Junior 40-80-120 for wall pocket solutions
- with wall pocket solutions use 3-piece bottom guide 057.3082.071



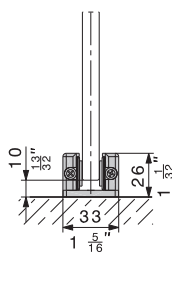
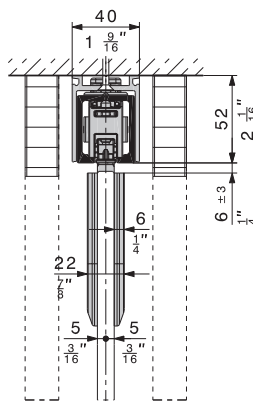
HAWA-Junior 40/GP



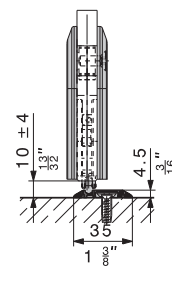
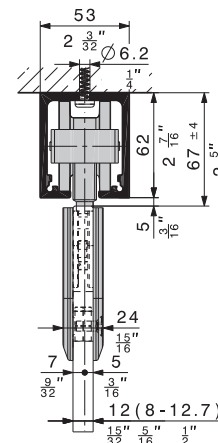
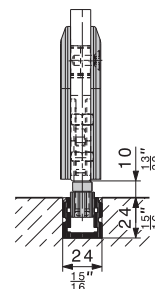
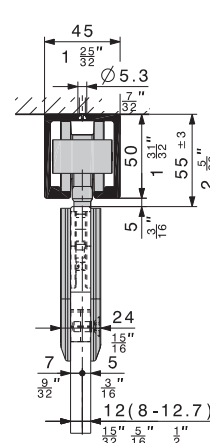
HAWA-Junior 80/GP



HAWA-Junior 120/GP

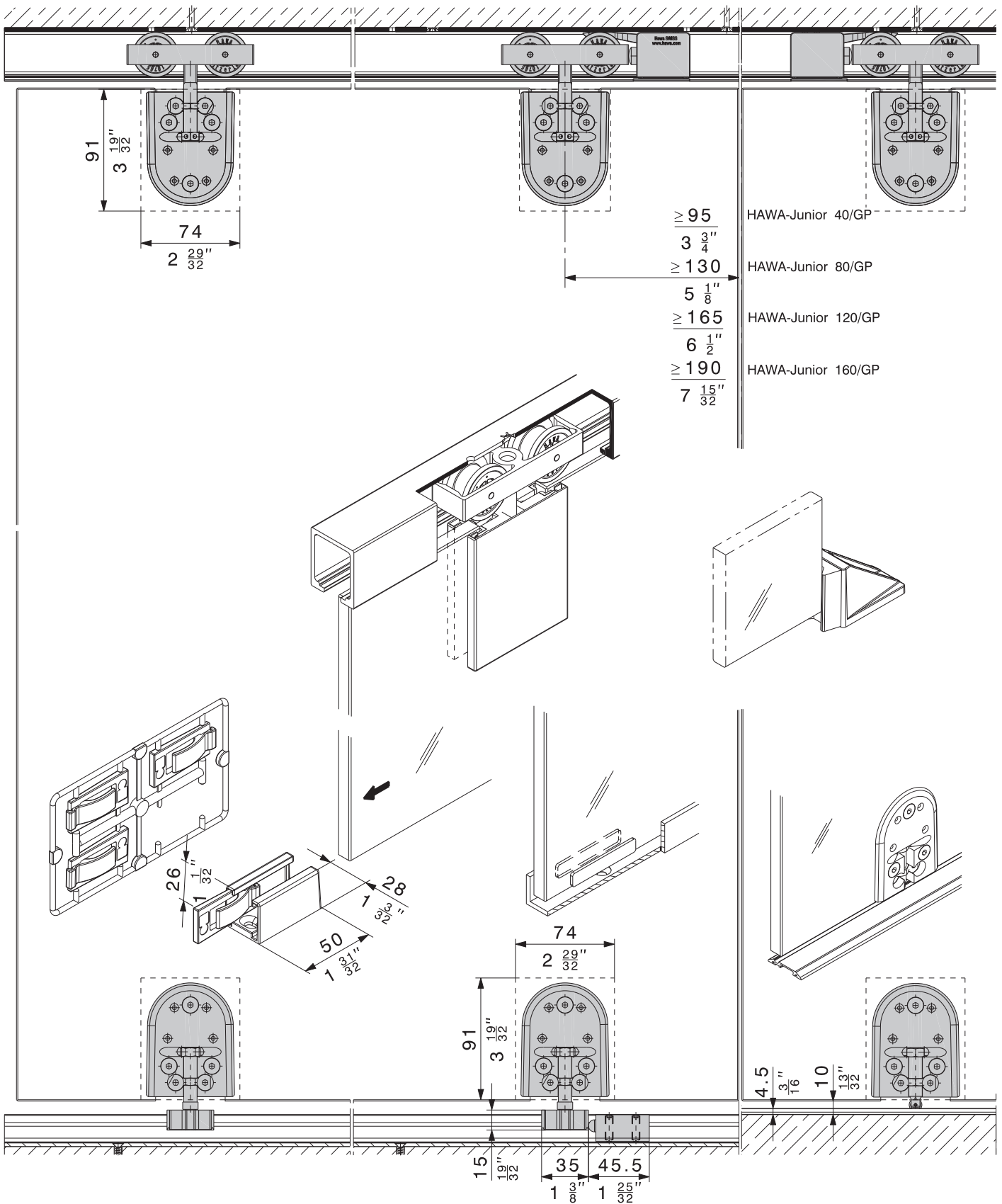


HAWA-Junior 160/GP



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

### Examples of application

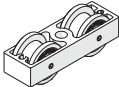








Subject to modification. Metric specifications are exact. Inches are approximate.

## HAWA-Junior 40/GP, partial set, without running track

	code
HAWA-Junior 40/GP, partial set for single door (ESG¹/VSG²)	25904
For two-panel sliding doors please order two sets for single doors.	

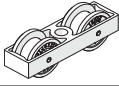






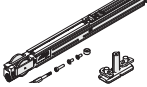
### Partial set comprising

	pieces	code
	2	25898
	2	16017
	2	20505
	2	10640
	1	20400
	1	10629
	1	16329

## HAWA-Junior 80/GP, partial set, without running track

	code
HAWA-Junior 80/GP, partial set for single door (ESG¹/VSG²)	20491
HAWA-Junior 80/GP, partial set for single door (ESG¹/VSG²), with 1 soft closing mechanism SoftMove 80, minimum door width: 690 mm (2'3 <sup>3</sup> / <sub>8</sub> ")	23091
HAWA-Junior 80/GP, partial set for single door (ESG¹/VSG²), with 2 soft closing mechanisms SoftMove 80, minimum door width: 1030 mm (3'4 <sup>3</sup> / <sub>8</sub> ")	23092
For two-panel sliding doors please order two sets for single doors.	

### Partial set comprising

	20491	23091	23092	code
	2	2	2	10407
	2	2	2	16018
	2	2	2	20505
	2	2	2	24497
	1	1	1	20400
	1	1	1	10629
	1	1	1	16329
	—	1	2	22444

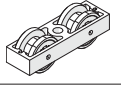






¹fully tempered monolithic glass

²fully tempered laminated glass

## HAWA-Junior 120/GP, partial set, without running track

	code
HAWA-Junior 120/GP, partial set for single door (ESG¹/VSG²)	25909
For two-panel sliding doors please order two sets for single doors.	








### Partial set comprising

	pieces	code
	2	25900
	2	16019
	2	20505
	2	14858
	1	20400
	1	10629
	1	16329

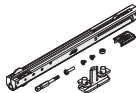
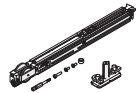
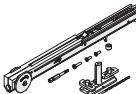
## HAWA-Junior 160/GP, partial set, without running track

	code
HAWA-Junior 160/GP, partial set for single door (ESG¹/VSG²)	20493
For two-panel sliding doors please order two sets for single doors.	

### Partial set comprising

	pieces	code
	2	10416
	2	19605
	2	20505
	2	10639
	1	20400
	1	10629
	1	16329

### Accessories

	code
	25987
	22444
	25988

## Floor-mounted guides

Caution: Minor differences in colour are possible			code
	Rattle-proof floor guide inc. self-adhesive sliders for satinised glass, glass thickness 8–12,7 mm ( $\frac{5}{16}$ – $\frac{1}{2}$ ")	dull chromium finish	16029
		stainless steel effect	21267
	Distance plate to bottom guide		16657
	Rattle-proof floor guide, 3-part, dull chromium finish, for wall pocket solutions		057.3082.071
	Bottom guide channel, alu plain anodized, predrilled, 20 x 20 x 3 mm ( $\frac{3}{8}$ x $\frac{3}{8}$ x $\frac{1}{8}$ ")	6000 mm (19'8 7/8")	14414
		cut to size	14415
	Self-adhesive sliders 8 mm ( $\frac{5}{16}$ ") glass		16192
	Self-adhesive sliders 10 mm ( $\frac{3}{8}$ ") glass		16193
	Patch suspension with glass holder insert, (ESG <sup>1</sup> /VSG <sup>2</sup> ), set of 1 piece, suitable for guide slider, without mounting screws		20505
	Spring bottom guide for point fixing, incl. mounting screws		19118
	Guide slider, rattle proof, plastic, with mounting screws, suitable for patch suspension		16020
	Single bottom guide channel, alu plain anodized	2500 mm (8'2 7/8")	19348
		3500 mm (11'5 13/16")	19349
		6000 mm (19'8 7/8")	18956
		cut to size	19350
	Set of fixing parts for single bottom guide channel 18956, 5 pieces (2 pieces per metre)		19162
	Bottom guide channel, alu plain anodized, undrilled	6000 mm (19'8 7/8")	15405
		cut to size	15554
	Stop bumper		15636

## HAWA-Junior 40, 10-pieces sets

		code
	Two-wheeled trolley, M8, with plastic wheels, 10-pieces set	25963
	Track stop, adjustable retaining force, 10-pieces set	25957

## HAWA-Junior 80, 10-pieces sets

		code
	Two-wheeled trolley, M10, with plastic wheels, 10-pieces set	25952
	Track stop, adjustable retaining force, 10-pieces set	25962

## Cover plates

			code
	Rounded cover plate, plastic, dull chromium finish	1 piece	16049
		4-pieces set	16042
	Rounded cover plate, plastic, polished chromium finish	1 piece	17161
		4-pieces set	17160
	Rounded cover plate, plastic, brass polished	1 piece	16050
		4-pieces set	16043
	Rounded cover plate, plastic, stainless-steel effect	1 piece	16051
		4-pieces set	16044
	Rounded cover plate, plastic, raw	1 piece	15823
	Square cover plates, plastic, dull chromium finish	1 piece	19091
		4-pieces set	19092
	Square cover plates, plastic, stainless-steel effect	1 piece	19093
		4-pieces set	19094
	Square cover plate, plastic, raw	1 piece	19000

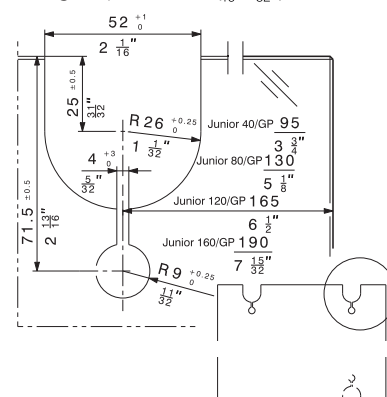
## Accessories

		code
	Spring-loaded door stop for door weight up to 40 kg (88 lbs.) integrated in HAWA-Junior 40 running track	27200
	Spring-loaded door stop for door weight up to 80 kg (176 lbs.) integrated in HAWA-Junior 80 running track	25370
	Spring-loaded door stop for door weight up to 120 kg (264 lbs.) integrated in HAWA-Junior 120 running track	27202
	Set for mountable and demountable running track to HAWA-Junior 40-80-120 (details: → page 122–123)	


## Glass cutouts

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

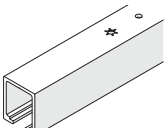
- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/10/12/12,7 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ / $\frac{15}{32}$ / $\frac{1}{2}$ "), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass): 2x4  $\pm 0,2$  mm → film thickness 0,38/0,76/1,52 mm  
2x5  $\pm 0,2$  mm → film thickness 0,38/0,76/1,52 mm  
2x6  $\pm 0,2$  mm → film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ ") in the glass cutout
- Glass thickness fixed glass ESG (fully tempered monolithic glass)/ VSG (fully tempered laminated glass) 8–12mm ( $\frac{5}{16}$ – $\frac{15}{32}$ ") with silicone up to 13 mm ( $\frac{1}{2}$ ")



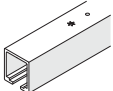
## Running tracks to HAWA-Junior 40/GP

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track, alu plain anodized, predrilled	1400 (4'7 <sup>1</sup> / <sub>8</sub> "	10213
		1600 (5'3"	10214
		1800 (5'10 <sup>7</sup> / <sub>8</sub> "	10215
		2000 (6'6 <sup>3</sup> / <sub>4</sub> "	10216
		3000 (9'10 <sup>1</sup> / <sub>8</sub> "	18530
		4000 (13'1 <sup>1</sup> / <sub>2</sub> "	18531
		6000 (19'8 <sup>7</sup> / <sub>32</sub> "	10211
			cut to size

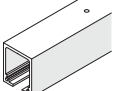

## Running tracks to HAWA-Junior 80/GP

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track, alu plain anodized, predrilled	1400 (4'7 $\frac{1}{8}$ "	10189
		1600 (5'3"	10190
		1800 (5'10 $\frac{7}{8}$ "	10191
		2000 (6'6 $\frac{3}{4}$ "	10192
		2200 (7'2 $\frac{3}{8}$ "	10193
		2500 (8'2 $\frac{7}{16}$ "	10194
		3000 (9'10 $\frac{1}{8}$ "	18532
		4000 (13'1 $\frac{1}{2}$ "	18533
		6000 (19'8 $\frac{7}{32}$ "	10186
		cut to size	10188
	Running track, alu stainless steel effect, brushed, predrilled	2500 (8'2 $\frac{7}{16}$ "	22048
		4000 (13'1 $\frac{1}{2}$ "	20005
		6000 (19'8 $\frac{7}{32}$ "	20004
		cut to size	20006

## Running tracks to HAWA-Junior 120/GP

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain anodized, predrilled	2500 (8'2 $\frac{7}{16}$ "	14866
		3000 (9'10 $\frac{1}{8}$ "	14867
		4000 (13'1 $\frac{1}{2}$ "	14868
		6000 (19'8 $\frac{7}{32}$ "	14869
		cut to size	14871

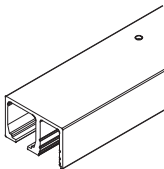


## Running tracks to HAWA-Junior 160/GP

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain anodized, predrilled	3000 (9'10 $\frac{1}{8}$ "	24608
		4000 (13'1 $\frac{1}{2}$ "	24607
		5000 (16'4 $\frac{22}{32}$ "	24606
		6000 (19'8 $\frac{7}{32}$ "	24605
		cut to size	24609
	Connecting pins for profiles, set of 2 pieces		21347

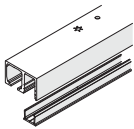
## Cover caps for running track

		code
	HAWA-Junior 40 Cover cap for running track, plastic anthracite-grey RAL 7016	20901
	HAWA-Junior 80 Cover cap for running track, metal, suitable to both sides, 1 piece	dull chromium finish 24956
		stainless steel effect 24957
	HAWA-Junior 120 Cover cap for running track, metal, suitable to both sides, 1 piece	dull chromium finish 25332

## Running tracks with fixed glass, cut to size

Caution: Hole positions vary			code
	Running track, alu, cut to size, plain anodized, predrilled	HAWA-Junior 40	20103
		HAWA-Junior 80	20107
		HAWA-Junior 120	20056
	Running track, alu, cut to size, stainless steel effect, predrilled	HAWA-Junior 80	21279
	Cover profile to running track, alu, cut to size, plain anodized		19548
		Cover profile to running track, alu, cut to size, stainless steel effect	21284


## Running track sets to HAWA-Junior 40 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track set to HAWA-Junior 40 with fixed glass, alu, plain anodized, predrilled	2000 (6'6 $\frac{3}{4}$ "	20224
		6000 (19'8 $\frac{7}{32}$ "	20225

## Running track sets comprising

	mm/inch	20224	20225	code
Running track with fixed glass, alu, plain anodized predrilled	2000 (6'6 $\frac{3}{4}$ "	1		20101
	6000 (19'8 $\frac{7}{32}$ "		1	20102
Cover profile to running track with fixed glass, stainless steel effect, brushed alu	1250 (4'1 $\frac{1}{2}$ "	1		19552
	3000 (9'10 $\frac{1}{8}$ "		1	19562


## Running track sets to HAWA-Junior 80 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code	
	Running track set to HAWA-Junior 80 with fixed glass, alu, predrilled	plain	2500 (8'2 <sup>7</sup> / <sub>16</sub> "	20226
		anodized	4000 (13'1 <sup>1</sup> / <sub>2</sub> "	20227
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	20228
		stainless steel effect,	2500 (8'2 <sup>7</sup> / <sub>16</sub> "	21270
		brushed	4000 (13'1 <sup>1</sup> / <sub>2</sub> "	21271
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	21272

## Running track sets comprising

	mm/inch	20226	20227	20228	21270	21271	21272	code
Running track with fixed glass, alu, predrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ "	1					20104
		4000 (13'1 $\frac{1}{2}$ "	1					20105
		6000 (19'8 $\frac{7}{32}$ "		1				20106
	stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ "			1			21276
		4000 (13'1 $\frac{1}{2}$ "				1		21277
		6000 (19'8 $\frac{7}{32}$ "					1	21278
Cover profile to running track with fixed glass, alu	plain anodized	1250 (4'1 $\frac{1}{2}$ "	1					19552
		2000 (6'6 $\frac{3}{4}$ "		1				19553
		3000 (9'10 $\frac{1}{8}$ "			1			19562
	stainless steel effect, brushed	1250 (4'1 $\frac{1}{2}$ "				1		21280
		2000 (6'6 $\frac{3}{4}$ "					1	21281
		3000 (9'10 $\frac{1}{8}$ "					1	21282

## Running track sets to HAWA-Junior 120 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Running track set with fixed glass to HAWA-Junior 120, alu, predrilled	plain anodized	3000 (9'10 <sup>1</sup> / <sub>8</sub> "	20229
			4000 (13'1 <sup>1</sup> / <sub>2</sub> "	20230
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	20231

## Running track sets comprising

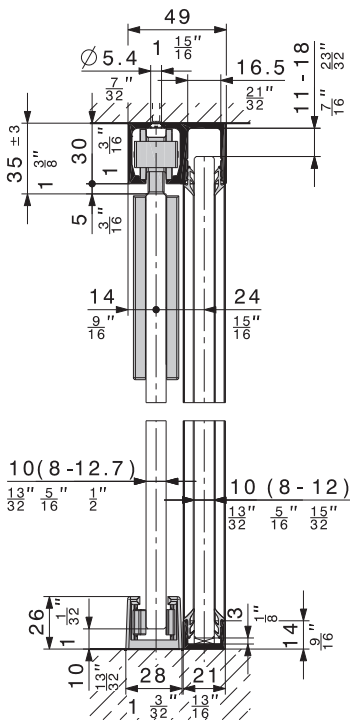
	mm/inch	20229	20230	20231	code
Running track with fixed glass, alu, predrilled	3000 (9'10 $\frac{1}{8}$ "	1			20235
	4000 (13'1 $\frac{1}{2}$ "		1		20054
	6000 (19'8 $\frac{7}{32}$ "			1	20055
Cover profile to running track with fixed glass, alu	2000 (6'6 $\frac{3}{4}$ "	1	1		19553
	3000 (9'10 $\frac{1}{8}$ "			1	19562

## Running track sets with retainers for fixed glass

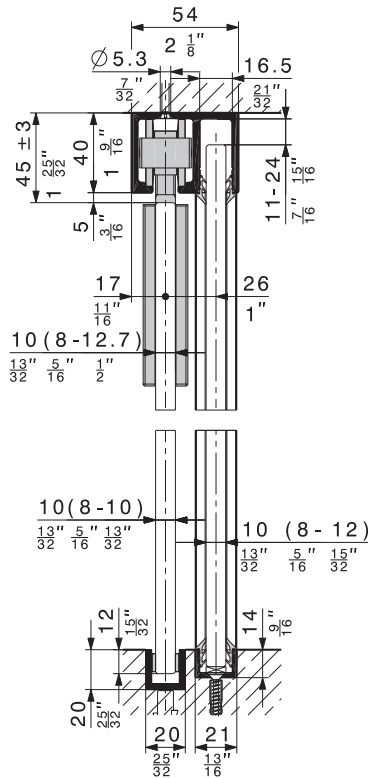
Our running track sets with integrated retainers for fixed glass add an extremely versatile and user-friendly partitioning system to the HAWA-Junior family.

The glass element is simply positioned in the track's fixed glass retainer. Glass cut-outs and visible hardware are now no longer necessary. A retainer profile for wall and floor fitting provides sufficient stability, whether flush or mounted. A Hawa rubber profile or a silicone groove hold the glass in position and prevent humidity seeping between glass and track. The running track set also has a cover profile made of aluminium which simply clips into the fixed glass retainer in the walk-through area - a solution which is both easy to use and pleasing to the eye.

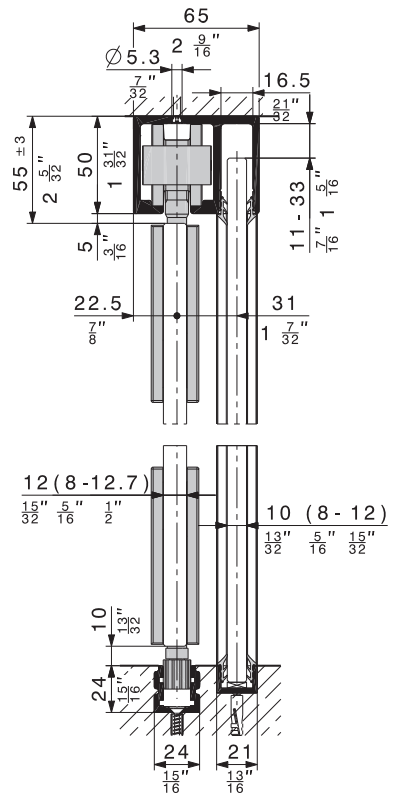
HAWA-Junior 40



HAWA-Junior 80

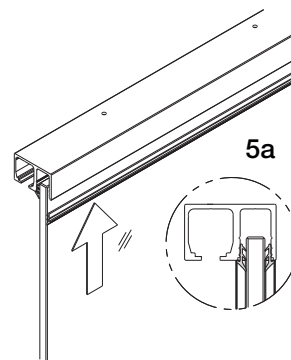
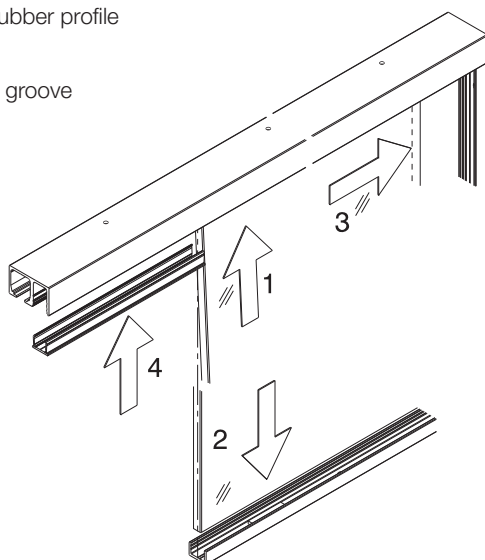


HAWA-Junior 120

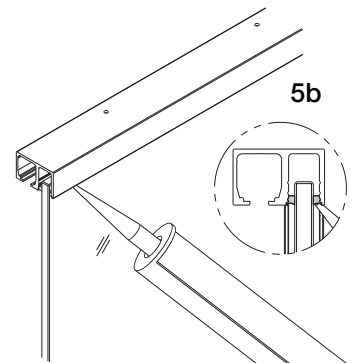


## Easy fitting of fixed glass

1. Slide glass element into fixed glass retainer at the top
2. Position the glass on the spacing block in the floor profile and/or
3. slide sideways into the wall profile
4. Clip cover profile into the walk-through area profile and seal
- 5a. with a Hawa rubber profile
- or
- 5b. with a silicone groove

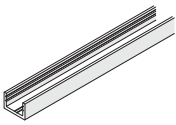



Dry glazing with the Hawa rubber profile.  
Attention:  
to be used on both sides,  
i.e. order double the amount.



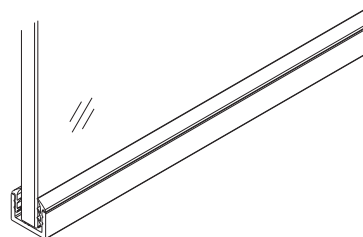
Silicone glazing provided by the customer.

## Bottom, wall and rubber profile to fixed glass

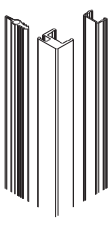
Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Bottom/wall profile to fixed glass, alu, plain anodized, predrilled	4000 (13'1 1/2")	19549
		6000 (19'8 3/32")	19561
		cut to size	20067
	Bottom/wall profile to fixed glass, alu, stainless steel effect, brushed, predrilled	4000 (13'1 1/2")	21285
		6000 (19'8 3/32")	21286
		cut to size	21287
	Rubber profile, black to fixed glass 8–9.9 mm (5/16"–13/32")	roll of 10 m (32'9 3/32")	25787
	Rubber profile, black to fixed glass 10–12 mm (13/32"–15/32")		25789
	Rubber profile, black to fixed glass 12.1–13.1 mm (15/32"–17/32")		25763

## Bottom/wall profile to fixed glass

The retention profile provides stability for the fixed glass element, whether mounted on or sunk into the floor.

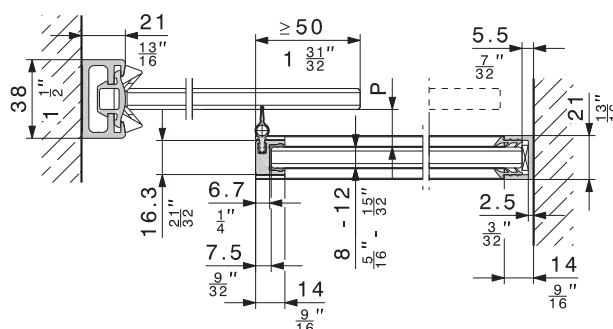


## Vertical sealing profile

Caution: Minor differences in colour are possible			mm/inch	code
	Vertical seal 13/18, alu, for all-glass sliding doors with fixed glass, set for glass distance 13–18,5 mm (1/2"–3/4")	plain anodized	2500 (8'2 7/16")	20283
			3500 (11'5 13/16")	20284
		stainless steel effect, brushed	2500 (8'2 7/16")	21290
			3500 (11'5 13/16")	21291
	Vertical seal 20/22, alu, for all-glass sliding doors with fixed glass, set for glass distance 20–22 mm (25/32"–7/8")	plain anodized	2500 (8'2 7/16")	20650
			3500 (11'5 13/16")	20651

## Vertical sealing profile





The vertical sealing profile is effective against draughts. The slim aluminium profile affixes frontally to glass elements 8–12 mm (5/16"–15/32") thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks throughout years of service.



## Glass distance «P» for vertical sealing profile

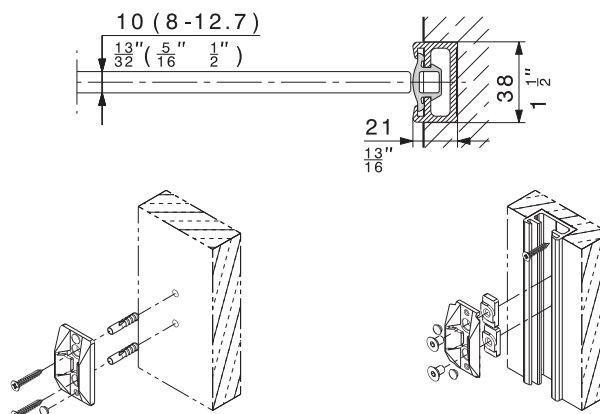
	Glass thickness sliding door	Vertical seal	Gvlass distance «P»
HAWA-Junior 40/GP	8–12 mm (5/16"–15/32")	13/18	13–15 mm (17/32"–19/32")
HAWA-Junior 80/GP		13/18	15–17 mm (19/32"–11/16")
HAWA-Junior 120/GP		20/22	20–22 mm (25/32"–7/8")

## Wall connection profile

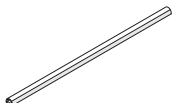
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	17021
		stainless steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	20120
	Seal profile, black, for wall profile		roll 2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	16452
			roll 3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.

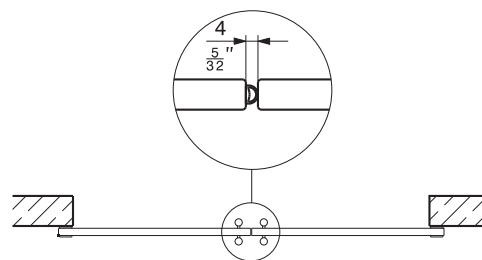


## Rubber profile for glass edge protection

		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ " ) glass thickness, black, glass distance 4 mm ( $\frac{5}{32}$ " )	5 m ( $16'4\frac{27}{32}$ " )	19442
		10 m ( $32'9\frac{23}{32}$ " )	19443
		50 m ( $164'4\frac{1}{2}$ " )	19444
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ " ) glass thickness, translucent, glass distance 4 mm ( $\frac{5}{32}$ " )	5 m ( $16'4\frac{27}{32}$ " )	19445
		10 m ( $32'9\frac{23}{32}$ " )	19446
		50 m ( $164'4\frac{1}{2}$ " )	19447

## Rubber profile for glass edge protection

Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent all-glass sliding doors.



## Fitting sets to HAWA-Adapto 80-120


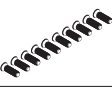

	mm/inch	code
Fitting sets to HAWA-Adapto 80, with countersunk screws	to 2500 ( $8'2\frac{7}{16}$ " )	22841
	2501 to 4000 ( $8'2\frac{15}{32}$ " to $13'1\frac{1}{2}$ " )	22842
	4001 to 6000 ( $13'1\frac{17}{32}$ " to $19'8\frac{7}{32}$ " )	22843
Fitting sets to HAWA-Adapto 120, with pan head screws	to 2500 ( $8'2\frac{7}{16}$ " )	20232
	2501 to 4000 ( $8'2\frac{15}{32}$ " to $13'1\frac{1}{2}$ " )	20233
	4001 to 6000 ( $13'1\frac{17}{32}$ " to $19'8\frac{7}{32}$ " )	20234

## Fitting set to HAWA-Adapto 80-120

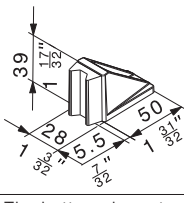
The HAWA-Junior running tracks both with and without a bottom profile for fixed glass can be screwed into the embedded HAWA-Adapto profile using special adjustable screws. Dimensional differences in the structure can be quickly and effectively levelled out by inserting spacing plates at the track ends, with additional plates in the centre for lengths of more than 4 m ( $13'1\frac{1}{2}$ " ).

For details on the HAWA-Adapto 80-120: → supplementary parts on page 122

## Set comprising

		mm/ inch	22841	22842	22843	20232	20233	20234	code
	Distance plate, plastic	1 ( $\frac{1}{16}$ " )	2	2	3	2	2	3	19398
		2 ( $\frac{3}{32}$ " )	2	2	3	2	2	3	19399
		3 ( $\frac{1}{8}$ " )	2	2	3	2	2	3	19400
		5 ( $\frac{7}{32}$ " )	4	4	6	4	4	6	19401
	Special countersunk screws, 6 x 21 mm ( $\frac{1}{4}$ " x $\frac{27}{32}$ " ), set of 10 pieces		1	2	3	—	—	—	22844
	Special pan head screws, 6 x 22 mm ( $\frac{1}{4}$ " x $\frac{7}{8}$ " ), set of 10 pieces		—	—	—	1	2	3	20215

## Bottom door stop

			code
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

The bottom door stop quietly and gently stalls sliding doors. Sliding doors should be stopped simultaneously at top and bottom.

## Planning/installation

For planning and installation purposes, please use the installation drawing code 16023. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

For convenient operation of sliding doors with soft closing mechanisms, use bow-type handles instead of shell handles.

## Accessories

Accessories → pages 120–129

## Order specifications

- Type and quantity of partial sets
- Type and quantity of cover plates
- Type and length of running track
- Type and length of bottom guide channel
- Type and quantity of floor-mounted guides

## Optional order specifications

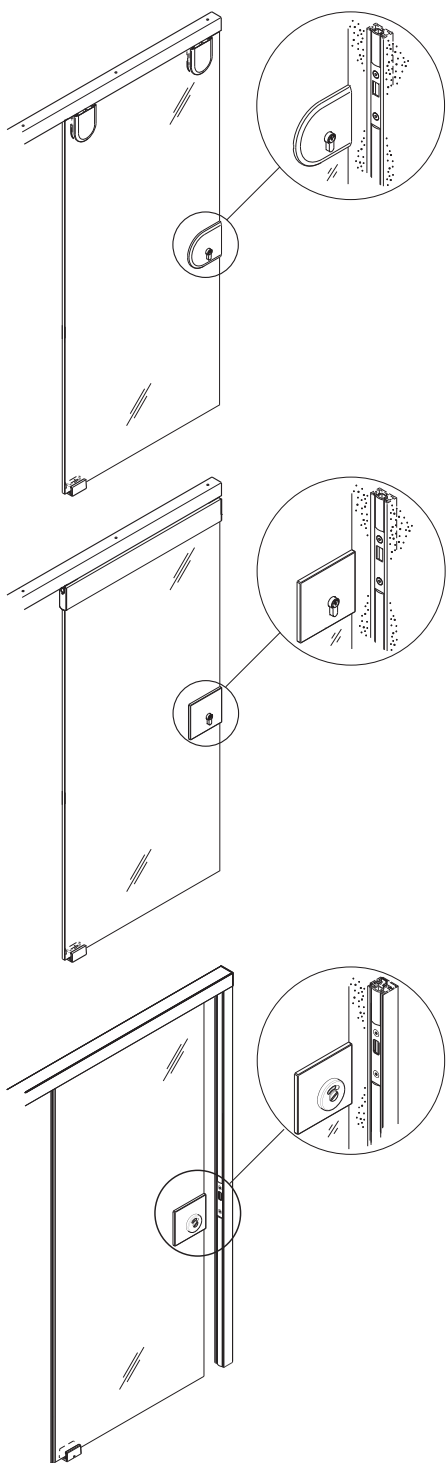
- Length of rubber profile for glass edge protection
- Quantity of centering assemblies for wall connection profile

## Order specifications fixed glass

- Type and quantity of running tracks with fixed glass
- Type and quantity of fitting sets

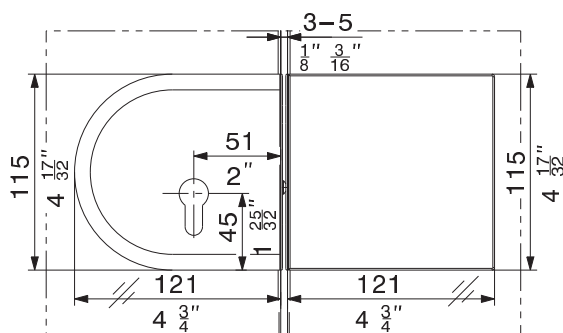
## Optional order specification fixed glass

- Type and quantity of bottom/wall profile
- Type and quantity of rubber profile to fixed glass
- Type and quantity of vertical sealing profiles



### Lock front view

The outside dimensions of the rounded and square cover plates are identical.



**Lock for all-glass sliding door for fully tempered monolithic glass and fully tempered laminated glass.**

### Description

The HAWA-Toplock for sliding doors offers two outstanding features: its aesthetic design and a high level of security. It is a high-quality lock for securing sliding doors fitted with a 17 mm ( $\frac{11}{16}$ ") profile, 22 mm ( $\frac{7}{8}$ ") round cylinder or thumbturn four-square lock 8 mm ( $\frac{5}{16}$ "). It has been designed to blend perfectly like for example HAWA-Junior GP range of sliding door systems in terms of both form and colour. A counter casing is available for locking double-panel sliding door systems. A wall-fitting profile with integrated locking plate allows securing doors to a wall surface. The angled counter casing enables locking of doors that run in front of a wall, or fixed glass.

## Applications

This hardware system is suitable for use wherever high quality and elegance are called for, e.g. in shopping centres, hotels, restaurants, banks, airports, railway stations, interiors of private households and public administration buildings.

## Features of the HAWA-Toplock

- Suitable for securing single- and double-panel systems
- Available for 17 mm ( $\frac{11}{16}$ ") profile cylinder, 22 mm ( $\frac{7}{8}$ ") round cylinder locks and thumbturn four-square lock 8 mm ( $\frac{5}{16}$ ")
- The lock can be used on the left or right as desired
- Cover s available in a variety of colours
- Simple to install
- Various fitting options

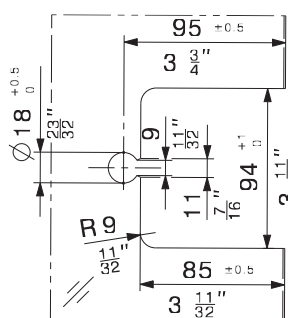
## Glass cutouts

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass):  
8/10/12/12,7 mm ( $\frac{5}{16}/\frac{13}{32}/\frac{15}{32}/\frac{1}{2}$ "), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass):  
2x4  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x5  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x6  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ ") in the glass cutout

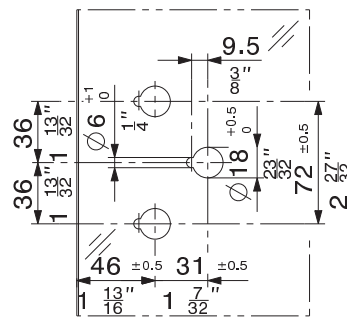
### Glass cutout A

For lock for sliding door  
and countercasing.



### Glass cutout B

For lock bracket,



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

## Installation options

with counter casing	with fixed glass	with angle profile for wall mounting	with wall connection profile	with wall profile for wall surface mounting
 glass cutout <b>A</b>	 glass cutout <b>B</b>	 glass cutout <b>A</b>	 glass cutout <b>A</b>	 glass cutout <b>A</b>
 lock bracket <b>A</b>			 wall profile <b>A</b>	 wall profile wall surface mounting <b>A</b>
HAWA-Junior 40-80-120-160/GP HAWA-Junior 40-80/GL HAWA-Junior 80-120-160-250/G HAWA-Telescopic 80/G HAWA-Symmetric 80/G HAWA-Junior 40-80/GS HAWA-Puro 100-150 HAWA-Purolino-PLUS 80	HAWA-Junior 40-80-120/GP HAWA-Junior 40-80/GL HAWA-Junior 80-120/G HAWA-Puro 100-150 HAWA-Purolino-PLUS 80	HAWA-Junior 40-80-120/GP HAWA-Junior 40-80/GL HAWA-Junior 80-120/G HAWA-Purolino-PLUS 80	HAWA-Junior 40-80-120-160/GP HAWA-Junior 40-80/GL HAWA-Junior 80-120-160/G HAWA-Telescopic 80/G HAWA-Junior 40-80/GS HAWA-Puro 100-150 HAWA-Purolino-PLUS 80	HAWA-Junior 40-80/GP HAWA-Junior 40-80/GL HAWA-Purolino-PLUS 80

## HAWA-Toplock

		code
	Lock for all-glass sliding door, (ESG <sup>1</sup> /VSG <sup>2</sup> ) without cover plates	profile cylinder 17 mm ( $\frac{11}{16}$ ") 20494 round cylinder 22 mm ( $\frac{7}{8}$ ") 20495 for four-square lock 8 mm ( $\frac{5}{16}$ ") 22097
	Counter casing, including centering assemblies, (ESG <sup>1</sup> /VSG <sup>2</sup> ) without cover plates	20496
	Multi-purpose drilling jig for lock and counter casing	17162
	Security rose for profile cylinder 17 mm ( $\frac{11}{16}$ ") chrome nickel steel	12 mm ( $\frac{15}{32}$ ") 14147 14 mm ( $\frac{9}{16}$ ") 17839

## Profile cylinder

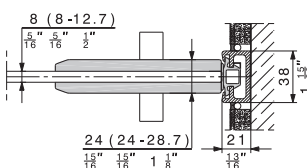
		code
	Short cylinder 28 mm ( $1\frac{1}{8}$ "), incl. 2 triangular keys	dull nickel finish 24287 dull chromium finish 24288

## Provided by customer

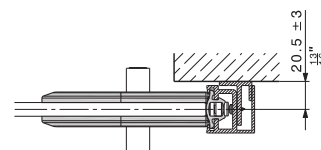
	Standard thumbturn with rosette for four-square lock 8 mm ( $\frac{5}{16}$ ")
--	---

## Wall connection profile

Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	17020
			3500 (11'5 $\frac{13}{16}$ ")	17021
		stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	20119
			3500 (11'5 $\frac{13}{16}$ ")	20120
	Wall profile set for wall surface mounting, alu, predrilled, incl. retainer profile, alu	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	22144
			3500 (11'5 $\frac{13}{16}$ ")	22146
		stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	22145
			3500 (11'5 $\frac{13}{16}$ ")	22147
	Seal profile, black, for wall profile		roll of 2500 (8'2 $\frac{7}{16}$ ")	16452
			roll of 3500 (11'5 $\frac{13}{16}$ ")	16453
	Strike plate for wall profile and wall profile wall surface mounting, including centering assemblies			17182

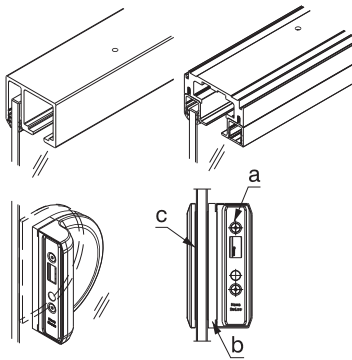
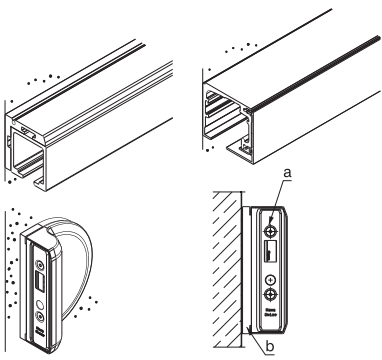
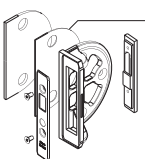

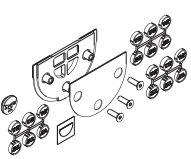
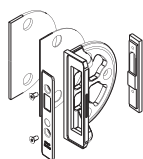
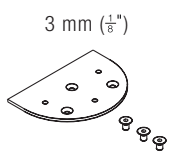
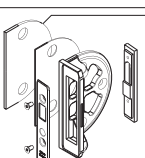

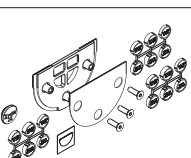
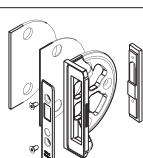
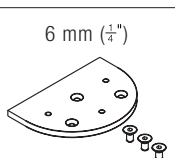
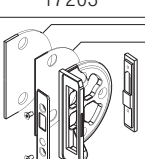
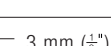
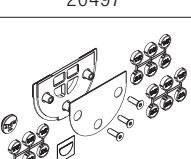
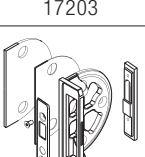

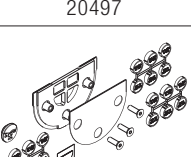
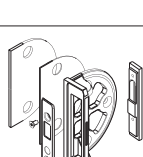
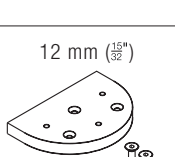
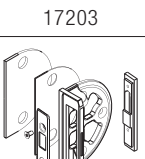

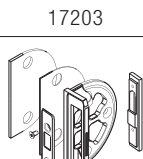
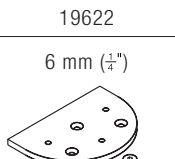


Side fitting

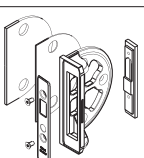
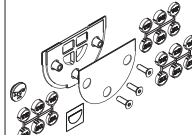


Wall surface mounting

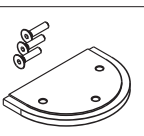
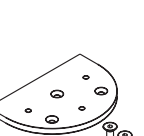
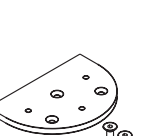
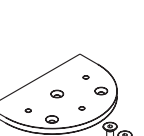
## Components for fixed glass or side fitting

						
	a	b	c	a	b	
HAWA-Junior 40	 17203	 1 mm ( $\frac{1}{16}$ " )	 20497	 17203	 3 mm ( $\frac{1}{8}$ " ) 19621	
HAWA-Junior 80	 17203	 3 mm ( $\frac{1}{8}$ " )	 20497	 17203	 6 mm ( $\frac{1}{4}$ " ) 17688	
HAWA-Puro 100–150	 17203	 3 mm ( $\frac{1}{8}$ " ) 1 mm ( $\frac{1}{16}$ " )	 20497			
HAWA-Junior 120	 17203	 9 mm ( $\frac{3}{8}$ " ) 20276	 20497	 17203	 12 mm ( $\frac{15}{32}$ " ) 19622	
HAWA-Purolino-PLUS 80	 17203	 12 mm ( $\frac{15}{32}$ " ) 19622		 17203	 6 mm ( $\frac{1}{4}$ " ) 17688	

### Lock bracket

	code
	17203
	20497

### Spacer for lock bracket







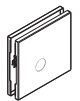
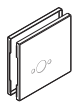
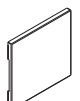
In combination with the fixed glass or side fitting	code
	20276
	19621
	17688
	19622

<sup>1</sup>fully tempered monolithic glass

<sup>2</sup>fully tempered laminated glass

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

## Cover plates

			code
	Rounded cover plates, for 17 mm ( $\frac{11}{16}$ " ), cylinder, plastic (1 pair)	dull chromium finish	17184
		stainless steel effect	17186
		raw	17188
	Rounded cover plates, for 22 mm ( $\frac{7}{8}$ " ), cylinder, plastic (1 pair)	dull chromium finish	17189
		stainless steel effect	17191
		raw	17193
	Rounded cover plates for counter casing, plastic (1 piece)	dull chromium finish	17194
		stainless steel effect	17196
		raw	17198
	Rounded cover plates for lock bracket, plastic (1 piece)	dull chromium finish	17204
		stainless steel effect	17206
		raw	17208
	Rounded cover plates for lock bracket fixture for fixed glass	dull chromium finish	18525
		stainless steel effect	18527
		raw	18339
	Square cover plates for 17 mm ( $\frac{11}{16}$ " ), cylinder, plastic (1 pair)	dull chromium finish	19095
		stainless steel effect	19096
		raw	19097
	Square cover plates for 22 mm ( $\frac{7}{8}$ " ), cylinder, plastic (1 pair)	dull chromium finish	19098
		stainless steel effect	19099
		raw	19100
	Square cover plates for square lock, plastic (1 pair)	dull chromium finish	22100
		stainless steel effect	22101
	Square cover plate for counter casing, plastic (1 piece)	dull chromium finish	19101
		stainless steel effect	19102
		raw	18998

## Angle profile for wall mounting

Details for angle profile for wall mounting: → page 124

## Order specifications

- Quantity lock for all-glass sliding door
- Type of cylinder, 17, 22 mm ( $\frac{11}{16}$ " ,  $\frac{7}{8}$ " ) or four-square lock 8 mm ( $\frac{5}{16}$ " )
- Type and quantity of cover plates
- Drilling jig
- Counter part requirement for lock for all-glass sliding door:
  - Quantity counter casing, including centering assemblies
  - Quantity lock bracket
  - Quantity and type wall connection profile

## Order specifications optional

- Quantity lock bracket fixture for fixed glass
- Quantity and type spacer for lock bracket
- Quantity and type Security rose for profile cylinder

## Provided by customer

- Thumbturn with rosette for four-square lock 8 mm ( $\frac{5}{16}$ " )

## Planning/installation

For planning and installation purposes, please use the installation drawing code 17199.

(→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

**For frameless, full room-height sliding doors.**

**Hardware system with patch-fitting floor guides for wooden and/or glass sliding doors weighing up to 70 kg (154 lbs.).**

## Description

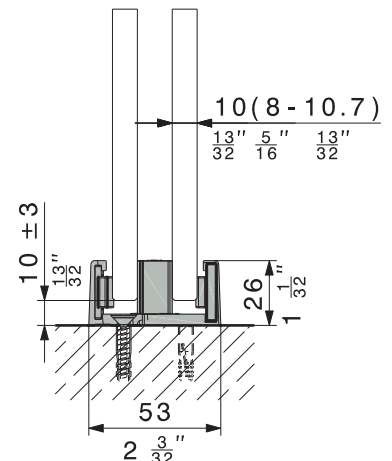
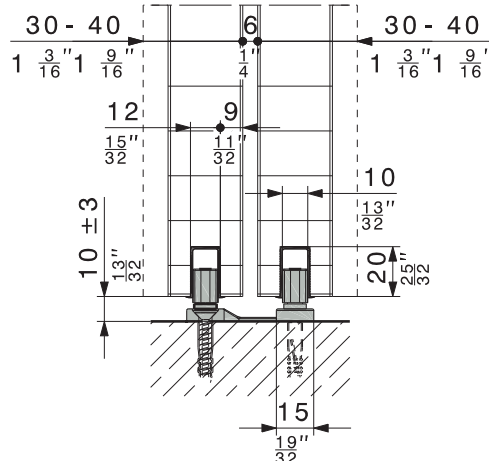
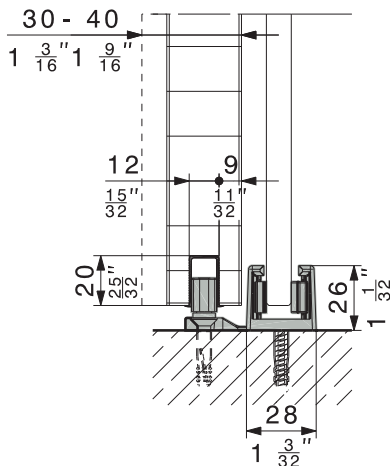
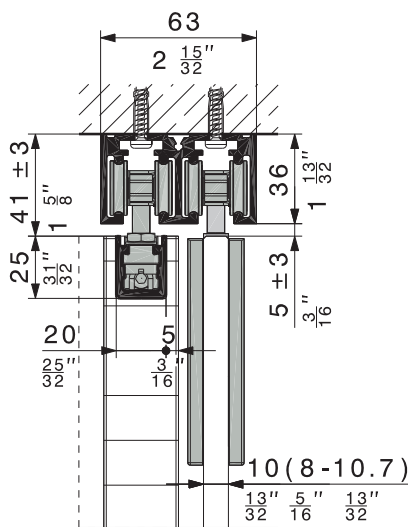
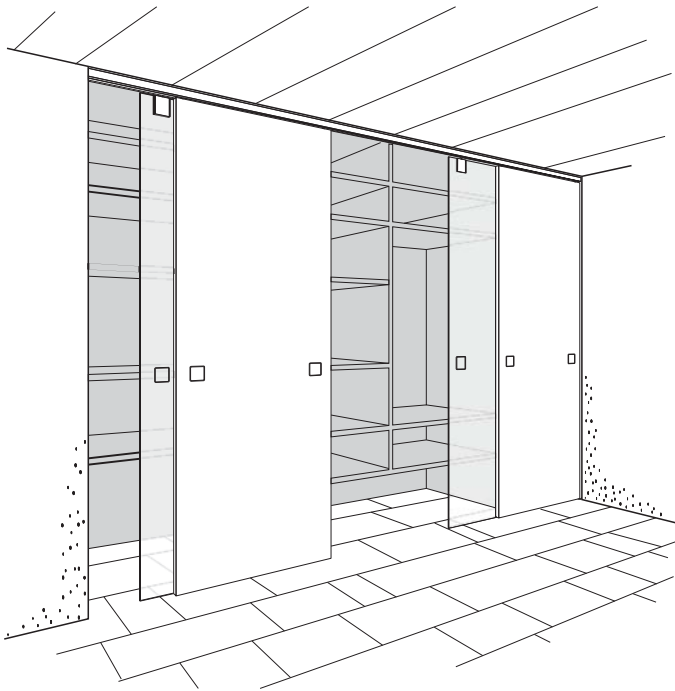
A fit-anywhere, frameless sliding hardware system for wooden and glass sliding doors weighing up to 70 kg (154 lbs.). Ideal not only for walk-in closets, but also for room-height and flexible partitions in residential and office settings. The possibility of combining glass and wood sliding doors gives new freedom to architects and installers. Patch-fitting, rattle-proof floor guides are available for all wood and/or glass combinations. HAWA-Ordena 70/P has also been designed with problem-free retrofitting in mind.

## Applications

Everywhere that variable space utilisation and unrestricted access should leave a tidy impression, e.g. walk-in closets for office and residential settings, and as a partition or aesthetic room divider in hotels, restaurants, hospitals, schools, offices, and private residential interiors.

## Features of the HAWA-Ordena 70/P

- Top-running sliding system, impervious to dust and dirt
- Possibility to combine wood and glass sliding doors
- Patch-fitting, rattle proof floor guide
- Frameless and easy to install
- Maximum door weight 70 kg (154 lbs.)
- Maximum door height 2600 mm (8'6 <sup>3</sup>/<sub>8</sub>" )
- Minimum door width 600 mm (1'11 <sup>5</sup>/<sub>8</sub>" )
- Door thickness, wood 30–40 mm (1 <sup>3</sup>/<sub>16</sub>"–1 <sup>19</sup>/<sub>32</sub>" )
- Door thickness, glass:
  - ESG (fully tempered monolithic glass): 8/10 mm ( <sup>5</sup>/<sub>16</sub>"/ <sup>13</sup>/<sub>32</sub>" )
  - VSG (fully tempered laminated glass): 8,7–10,7 mm ( <sup>11</sup>/<sub>32</sub>"– <sup>7</sup>/<sub>16</sub>" )
- 2–8 mm ( <sup>3</sup>/<sub>32</sub>"– <sup>5</sup>/<sub>16</sub>" ) minimum clearance between the running track and the top edge of the sliding door
- Glass doors use popular HAWA-Junior GP suspensions









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

## Partial sets HAWA-Ordena 70/P

		code
HAWA-Ordena 70, partial sets for 1 door	wood	19120
	glass (ESG¹/VSG²)	20586







## Partial sets comprising

		19120	20586	code
	Four-wheeled trolley, M7, plastic-tyred wheels	2	2	10374
	Top fixed suspension with plate M7	2	–	19276
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	2	–	21520
	Patch suspension with glass holder insert (ESG¹/VSG²)	–	2	20505
	Suspension bolt M7 and mounting screws	–	1	19117
	Hex key, 4 mm ( $\frac{5}{16}$ "), length 160 mm ( $6\frac{5}{16}$ ")	1	–	19931

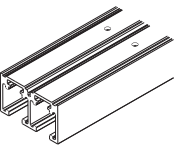
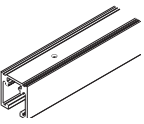
## Door stop sets

	number of doors	code
Door stop set for systems with point guidance, incl. single use drilling jig, (ESG¹/VSG²)	2 – 3	20588
	4 – 5	20589
	6 – 7	20590

## Sets comprising

		20588	20589	20590	code
	Track stop, plastic, with adjustable retainer	4	8	12	10602
	Single use drilling jig, (ESG¹/VSG²)	1	1	1	20400
	Screw-on rubber door stop	2	2	2	10629
	Suspension assembly locking wrench	1	1	1	10778
	Hex key, 3 mm ( $\frac{1}{8}$ ") short version	1	1	1	10785
	Vertical adjustment pin	1	1	1	16329

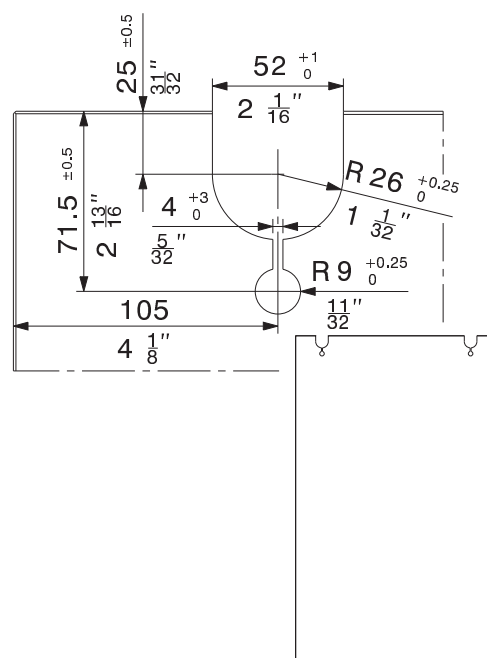
## Running tracks

Caution: Hole positions vary		mm/inch	code
	Dual running track, alu plain anodized, predrilled	2500 (8'2 $\frac{1}{16}$ ")	19213
		3500 (11'5 $\frac{13}{16}$ ")	19214
		6000 (19'8 $\frac{7}{32}$ ")	19215
		cut to size	19127
	Single running track, alu plain anodized, predrilled	2500 (8'2 $\frac{1}{16}$ ")	19370
		3500 (11'5 $\frac{13}{16}$ ")	19371
		6000 (19'8 $\frac{7}{32}$ ")	19372
		cut to size	19373







## Glass cutouts for sliding door

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/10 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ "), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass): 2x4  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x5  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ ") in the glass cutout

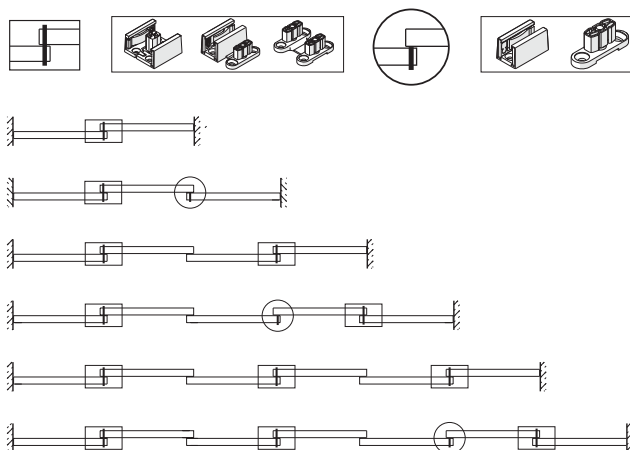


## Floor guides

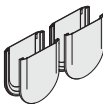

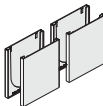

		code
	Dual floor guide, rattle-proof, glass/glass, inc. self-adhesive sliders for satinised glass, dull chromium finish	19138
	Dual floor guide, rattle-proof, glass/wood, inc. self-adhesive sliders for satinised glass, dull chromium finish	19139
	Dual floor guide, screw mounting, rattle proof, wood/wood	19140
	Single floor guide, screw mounting, rattle proof, wood	14283
	Rattle-proof floor guide inc. self-adhesive sliders for satinised glass, glass thickness 8-12,7 mm ( $\frac{5}{16}$ " - $\frac{1}{2}$ " ), dull chromium finish	16029
	Guide profile plastic black, 20 x 12 x 1300 mm ( $\frac{3}{8}$ " x $\frac{1}{2}$ " x 4'3 $\frac{3}{16}$ " ), groove mounted, set of 10 pieces	14540

## Screw-in floor guide variants





Single and dual point guidance.



## Cover plates

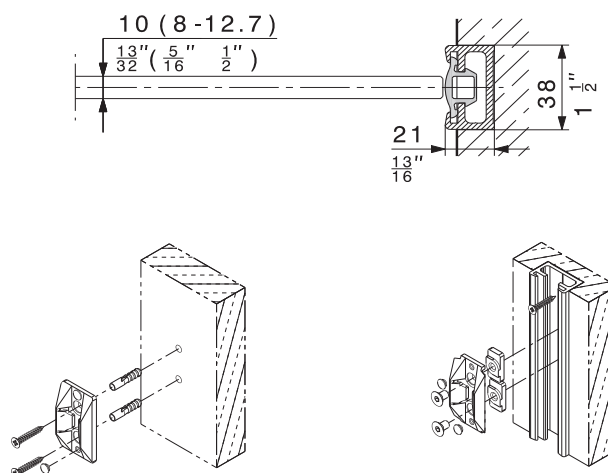
			code
	Rounded cover plate, plastic, dull chromium finish	1 piece	16049
		4-pieces set	16042
	Rounded cover plate, plastic, polished chromium finish	1 piece	17161
		4-pieces set	17160
	Rounded cover plate, plastic, brass polished	1 piece	16050
		4-pieces set	16043
	Rounded cover plate, plastic, stainless-steel effect	1 piece	16051
		4-pieces set	16044
	Square cover plates, plastic, dull chromium finish	1 piece	19091
		4-pieces set	19092
	Square cover plates, plastic, stainless-steel effect	1 piece	19093
		4-pieces set	19094
	Square cover plate, plastic, raw	1 piece	19000

## Wall connection profile

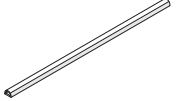
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	17021
		stainless- steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	20120
	Seal profile, black, for wall profile		roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	16452
			roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.

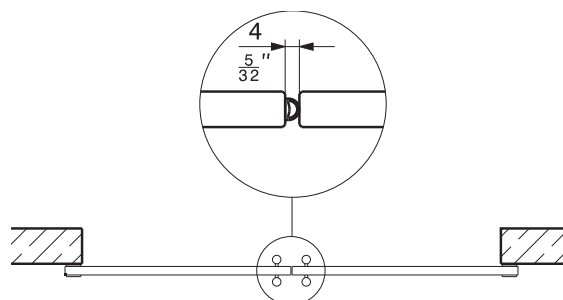


## Rubber profile for glass edge protection

		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> ") glass thickness, black, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> ")	5 m (16'4 <sup>27</sup> / <sub>32</sub> ")	19442
		10 m (32'9 <sup>23</sup> / <sub>32</sub> ")	19443
		50 m (164'1 <sup>1</sup> / <sub>2</sub> ")	19444
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> ") glass thickness, translucent, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> ")	5 m (16'4 <sup>27</sup> / <sub>32</sub> ")	19445
		10 m (32'9 <sup>23</sup> / <sub>32</sub> ")	19446
		50 m (164'1 <sup>1</sup> / <sub>2</sub> ")	19447

## Rubber profile for glass edge protection

Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent all-glass sliding doors.



## Accessories

Accessories: → pages 120–129

## Order specifications

- Type and quantity of partial sets
- Type and quantity of door stop sets
- Type and quantity of floor guides
- Type and length of running track
- For glass doors
  - Type and quantity of cover plates
  - Length of rubber profile for glass edge protection
  - Quantity of centering assembly for wall connection profile

## Planning/installation

Please use the installation drawing code 19433 for planning and execution. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Full room-height with frameless guides.

**Hardware system with continuous bottom guide profile for wooden and/or glass sliding doors weighing up to 70 kg (154 lbs.).**

### Description

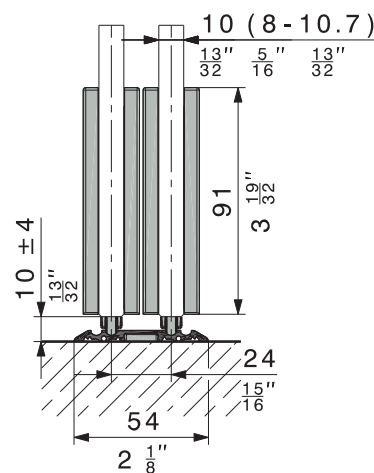
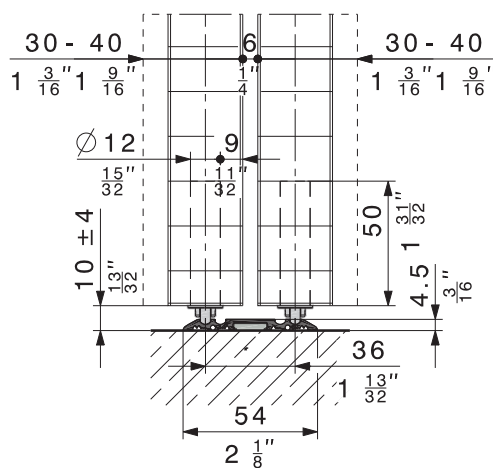
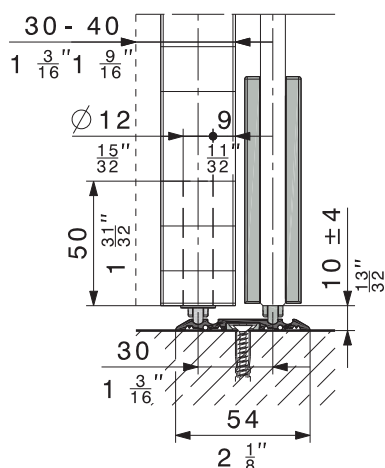
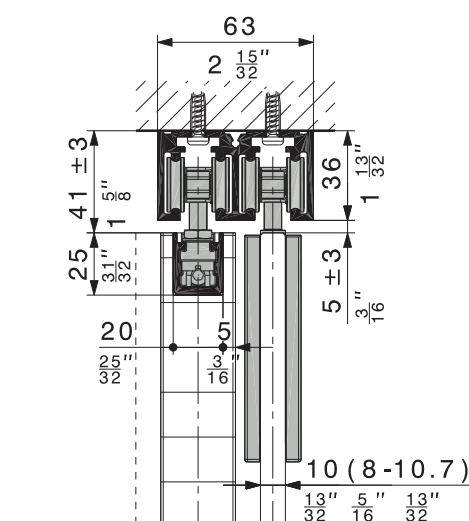
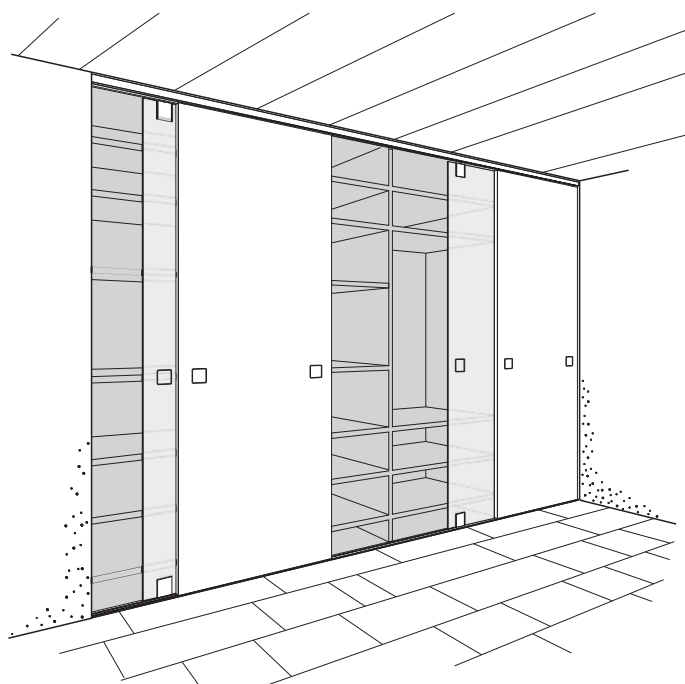
A fit-anywhere, frameless sliding hardware system for wooden and/or glass sliding doors weighing up to 70 kg (154lbs.). Ideal not only for walk-in closets, but also for room-height and flexible partitions in residential and office settings. The possibility of combining glass and wood sliding doors gives new freedom to architects and installers. The combination of a surface mounted continuous bottom guide profile and spring loaded floor guides easily accommodates differences in floor-to-ceiling height and permits any combination of wood and/or glass. HAWA-Ordena 70/F has also been designed with problem-free retrofitting in mind.

### Applications

Everywhere that variable space utilisation and unrestricted access should leave a tidy impression, e.g. walk-in closets for office and residential settings, and as a partition or aesthetic room divider in hotels, restaurants, hospitals, schools, offices and private residential interiors.

### Features of the HAWA-Ordena 70/F

- Top-running sliding system, impervious to dust and dirt
- Possibility to combine wood and glass sliding doors
- Wide doors are kept firmly on track by two spring loaded floor guides
- Clip or stick-on 4,5 mm ( $\frac{13}{32}$ ") high floor guide track
- Frameless and easy to install
- Doors can slide across the entire opening width
- Centre stop to hold sliding doors in position
- Maximum door weight 70 kg (154 lbs.)
- Maximum door height 2600 mm ( $8'6\frac{3}{8}"$ )
- Minimum door width 600 mm ( $1'11\frac{5}{8}"$ )
- Door thickness, wood 30–40 mm ( $1\frac{3}{16}"$ – $1\frac{19}{32}"$ )
- Door thickness, glass:
  - ESG (fully tempered monolithic glass): 8/10 mm ( $\frac{5}{16}"$ / $\frac{13}{32}"$ )
  - VSG (fully tempered laminated glass): 8,7–10,7 mm ( $\frac{11}{32}"$ – $\frac{7}{16}"$ )
- 2–8 mm ( $\frac{3}{32}"$ – $\frac{5}{16}"$ ) minimum clearance between the running track and the top edge of the sliding doors









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

## Partial sets HAWA-Ordena 70/F

		code
HAWA-Ordena 70, partial sets for 1 door	wood	19120
	glass (ESG¹/VSG²)	20586








## Partial sets comprising

		19120	20586	code
	Four-wheeled trolley, M7, plastic-tyred wheels	2	2	10374
	Top fixed suspension with plate M7	2	–	19276
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	2	–	21520
	Patch suspension with glass holder insert (ESG¹/VSG²)	–	2	20505
	Suspension bolt M7 and mounting screws	–	1	19117
	Hex key, 4 mm ( $\frac{5}{16}$ "), length 160 mm ( $6\frac{5}{16}$ ")	1	–	19931

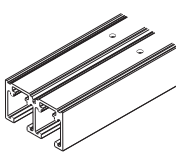
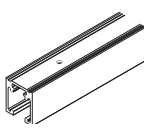
## Door stop sets

	number of doors	code
Door stop set for system with bottom guide channel, incl. single use drilling jig, (ESG¹/VSG²)	2	20588
Door stop set for system with bottom guide channel, incl. centre stop and single use drilling jig, (ESG¹/VSG²)	3	20591
	4	20592
	5	20593
	6	20594

## Sets comprising

		20588	20591	20592	20593	20594	code
	Track stop, plastic, with adjustable retainer	4	4	4	4	4	10602
	Centre stop, complete	–	1	2	3	4	19277
	Single use drilling jig, (ESG¹/VSG²)	1	1	1	1	1	20400
	Screw-on rubber door stop	2	2	2	2	2	10629
	Suspension assembly locking wrench	1	1	1	1	1	10778
	Hex key, 3 mm ( $\frac{1}{8}$ ") short version	1	1	1	1	1	10785
	Vertical adjustment pin	1	1	1	1	1	16329

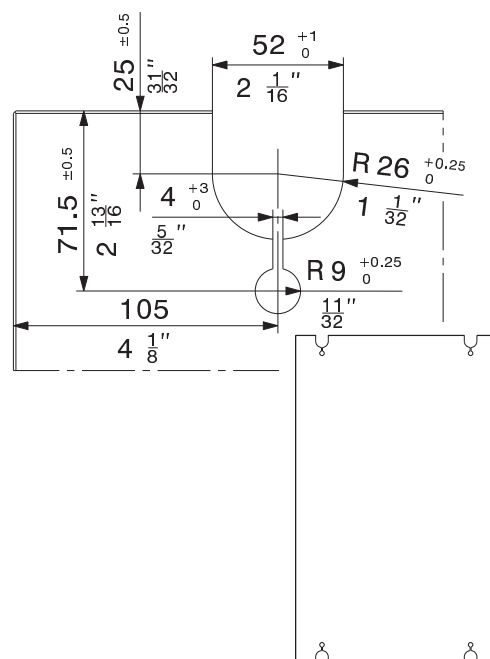
## Running tracks

Caution: Hole positions vary		mm/inch	code
	Dual running track, alu plain anodized, predrilled	2500 (8'2 $\frac{1}{16}$ ")	19213
		3500 (11'5 $\frac{13}{16}$ ")	19214
		6000 (19'8 $\frac{7}{32}$ ")	19215
		cut to size	19127
	Single running track, alu plain anodized, predrilled	2500 (8'2 $\frac{1}{16}$ ")	19370
		3500 (11'5 $\frac{13}{16}$ ")	19371
		6000 (19'8 $\frac{7}{32}$ ")	19372
		cut to size	19373



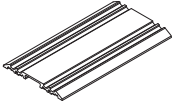
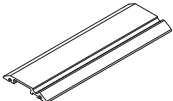

## Glass cutouts for sliding door

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/10 mm ( $\frac{5}{16}$ / $\frac{13}{32}$ "), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass): 2x4  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76/1,52 mm  
2x5  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ ") in the glass cutout

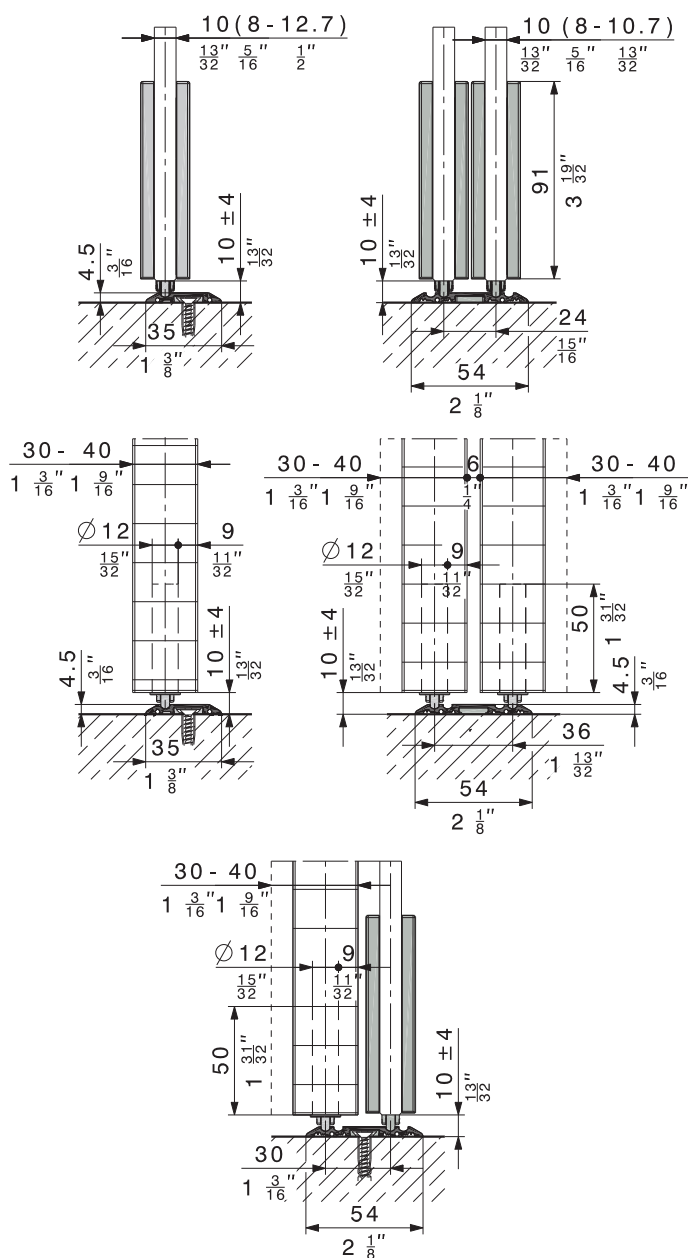


## Floor guides/bottom guide profile

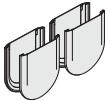


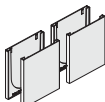

		code
	Spring bottom guide for 1 glass sliding door (ESG <sup>1</sup> /VSG <sup>2</sup> ) (2 pieces)	20587
	Spring bottom guide for 1 wooden sliding door (2 pieces)	19155
	2500 mm (8'2 <sup>7</sup> / <sub>16</sub> "	18944
	3500 mm (11'5 <sup>13</sup> / <sub>16</sub> "	18945
	6000 mm (19'8 <sup>7</sup> / <sub>32</sub> "	18824
	cut to size	18946
	2500 mm (8'2 <sup>7</sup> / <sub>16</sub> "	19348
	3500 mm (11'5 <sup>13</sup> / <sub>16</sub> "	19349
	6000 mm (19'8 <sup>7</sup> / <sub>32</sub> "	18956
	cut to size	19350
	Set of fixing parts for single bottom guide channel, 5 pieces (2 pieces per metre)	19162
For more guide options: → page 127		

## Floor guide variants

With single bottom guide channel or dual bottom guide channel.



## Cover plates





			code
	Rounded cover plate, plastic, dull chromium finish	1 piece	16049
		4-pieces set	16042
	Rounded cover plate, plastic, polished chromium finish	1 piece	17161
		4-pieces set	17160
	Rounded cover plate, plastic, brass polished	1 piece	16050
		4-pieces set	16043
	Rounded cover plate, plastic, stainless-steel effect	1 piece	16051
		4-pieces set	16044
	Rounded cover plate, plastic, raw	1 piece	15823
	Square cover plates, plastic, dull chromium finish	1 piece	19091
		4-pieces set	19092
	Square cover plates, plastic, stainless-steel effect	1 piece	19093
		4-pieces set	19094
	Square cover plate, plastic, raw	1 piece	19000

<sup>1</sup>fully tempered monolithic glass

<sup>2</sup>fully tempered laminated glass

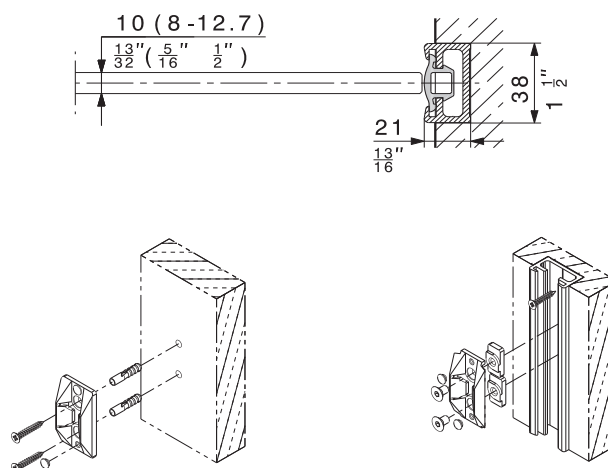
Subject to modification. Metric specifications are exact. Inches are approximate.

## Wall connection profile

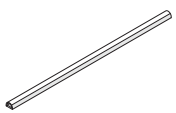
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	17021
		stainless- steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	20120
	Seal profile, black, for wall profile		roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	16452
			roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.

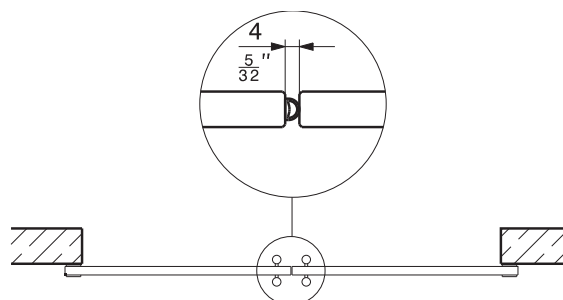


## Rubber profile for glass edge protection

		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> " ) glass thickness, black, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> " )	5 m (16'4 <sup>27</sup> / <sub>32</sub> " )	19442
		10 m (32'9 <sup>29</sup> / <sub>32</sub> " )	19443
		50 m (164'1 <sup>1</sup> / <sub>2</sub> " )	19444
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> " ) glass thickness, translucent, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> " )	5 m (16'4 <sup>27</sup> / <sub>32</sub> " )	19445
		10 m (32'9 <sup>29</sup> / <sub>32</sub> " )	19446
		50 m (164'1 <sup>1</sup> / <sub>2</sub> " )	19447

## Rubber profile for glass edge protection

Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent all-glass sliding doors.



## Accessories

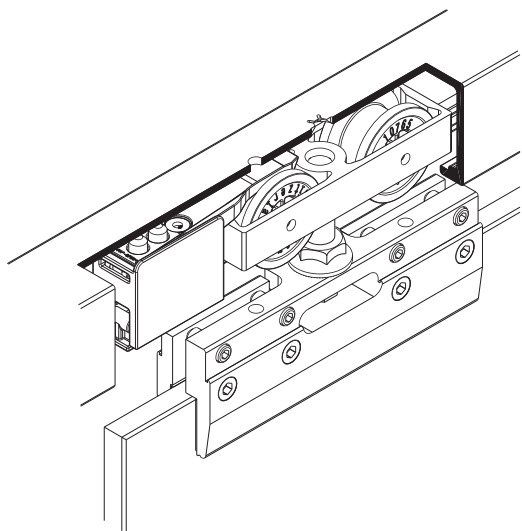
Accessories: → pages 120–129

## Order specifications

- Type and quantity of partial sets
- Type and quantity of door stop sets
- Type and quantity of floor guides
- Type and length of running track
- Type and length of bottom guide profile
- For glass doors
  - Type and quantity of cover plates
  - Length of rubber profile for glass edge protection
  - Quantity of centering assembly for wall connection profile

## Planning/installation

Please use the installation drawing code 19434 for planning and execution. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



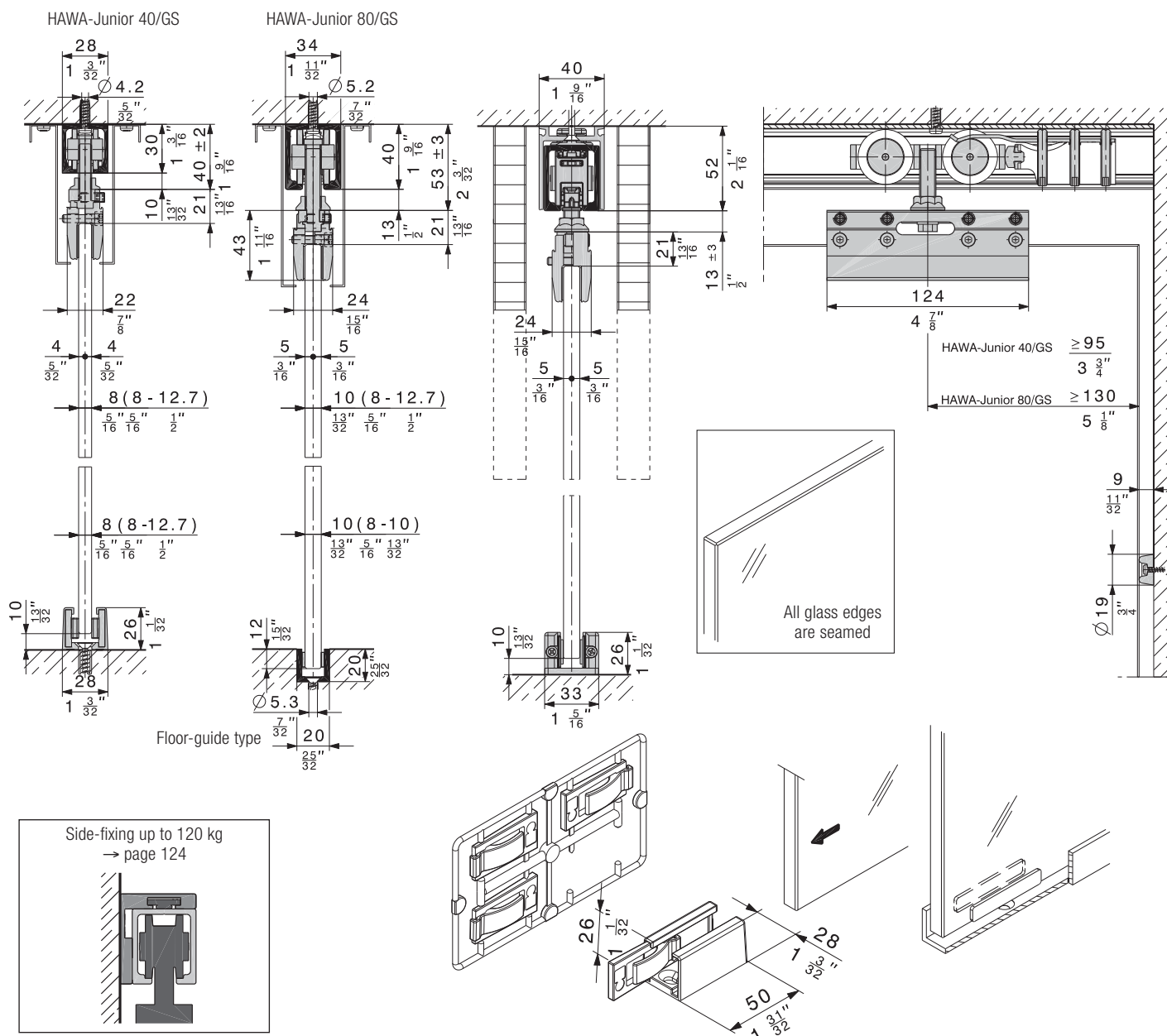
**HAWA-Junior hardware system in combination with clamping shoe for all-glass sliding doors up to 40 kg (88 lbs.) or 80 kg (176 lbs.).**

### Description

The clamp mechanism of the HAWA-Junior 40-80/GS hardware system permits installation of all-glass sliding doors without glass cutouts. This means that you can offer your customers time-saving and flexible solutions, together with the high quality of HAWA-Junior technology.

### Features of the HAWA-Junior 40-80/GS





- Without glass cutout
- Special Floor guide, screw mounting, rattle proof, plastic
- Vertical adjustment
- Track stop with adjustable retainer
- combinable with SoftMove 40-80 soft closing mechanism for Hawa-Junior 40-80
- Glass thickness ESG (fully tempered monolithic glass):  
8/10/12/12,7 mm ( $\frac{5}{16}/\frac{13}{32}/\frac{15}{32}/\frac{1}{2}$ " )
- can be combined with assembly set for HAWA-Junior 40-80 for wall pocket solutions
- with wall pocket solutions use 3-piece bottom guide 057.3082.071







## Partial set for single door, without tracks

	code
HAWA-Junior 40/GS	25905
HAWA-Junior 80/GS	17941
For two-panel sliding doors please order two sets for single doors.	

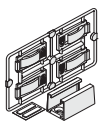




## HAWA-Junior 40/GS, partial set comprising

		pieces	code
	Two-wheeled trolley, M8, with plastic wheels	2	25898
	Track stop, adjustable retaining force	2	10640
	Clamping shoe, with hanger bolt M8	2	16131
	Screw-on rubber door stop	1	10629

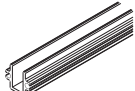
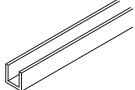
## HAWA-Junior 80/GS, partial set comprising

		pieces	code
	Two-wheeled trolley, M10, with plastic wheels	2	10407
	Track stop, adjustable retaining force	2	24497
	Clamping shoe, with hanger bolt M10	2	16132
	Screw-on rubber door stop	1	10629

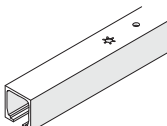
## Floor-mounted guides/Bottom door stop

			code
	Rattle-proof floor guide inc. self-adhesive sliders for satinised glass, glass thickness 8–12,7 mm ( $\frac{5}{16}$ – $\frac{1}{2}$ ")	dull chromium finish	16029
		stainless steel effect	21267
	Self-adhesive sliders 8 mm ( $\frac{5}{16}$ ) glass		16192
	Self-adhesive sliders 10 mm ( $\frac{13}{32}$ ) glass		16193
	Rattle-proof floor guide, 3-part, dull chromium finish, for wall pocket solutions	057.3082.071	
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

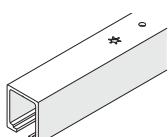
## Bottom guide channels

Caution: Hole positions vary	mm/inch	code
	6000 (19'8 $\frac{7}{32}$ ")	13688
	cut to size	13690
	6000 (19'8 $\frac{7}{32}$ ")	14414
	cut to size	14415

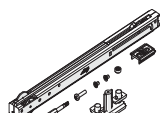
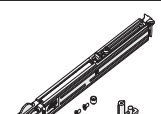
## Running tracks to HAWA-Junior 40/GS

Caution: Hole positions vary	mm/inch	code
	1400 (4'7 $\frac{1}{8}$ ")	10213
	1600 (5'3")	10214
	1800 (5'10 $\frac{1}{4}$ ")	10215
	2000 (6'6 $\frac{3}{4}$ ")	10216
	2500 (8'2 $\frac{7}{16}$ ")	25997
	3000 (9'10 $\frac{1}{8}$ ")	18530
	4000 (13'1 $\frac{1}{2}$ ")	18531
	6000 (19'8 $\frac{7}{32}$ ")	10211
	cut to size	10217



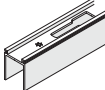
## Running tracks to HAWA-Junior 80/GS

Caution: Hole positions vary.	mm/inch	code
	1400 (4'7 $\frac{1}{8}$ ")	10189
	1600 (5'3")	10190
	1800 (5'10 $\frac{1}{4}$ ")	10191
	2000 (6'6 $\frac{3}{4}$ ")	10192
	2200 (7'2 $\frac{5}{8}$ ")	10193
	2500 (8'2 $\frac{7}{16}$ ")	10194
	3000 (9'10 $\frac{1}{8}$ ")	18532
	4000 (13'1 $\frac{1}{2}$ ")	18533
	6000 (19'8 $\frac{7}{32}$ ")	10186
	cut to size	10188


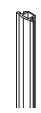


## SoftMove 40-80 soft closing mechanism for HAWA-Junior 40-80

		code
	SoftMove 40 soft closing mechanism for HAWA-Junior 40 (details: → page 120)	25987
	SoftMove 80 soft closing mechanism for HAWA-Junior 80 (details: → page 120)	22444

## Ergänzungssteile

		code
	Spring-loaded door stop for door weight up to 40 kg (88 lbs.) integrated in HAWA-Junior 40 running track	27200
	Spring-loaded door stop for door weight up to 80 kg (176 lbs.) integrated in HAWA-Junior 80 running track	25370
	Set for mountable and demountable running track to HAWA-Junior 40-80 (details: → page 122–123)	

## Wall connection profile

Caution: Minor differences in colour are possible	mm/inch	code
	plain anodized	2500 (8'2 $\frac{7}{16}$ ") 17020
		3500 (11'5 $\frac{13}{16}$ ") 17021
	stainless-steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ") 20119
		3500 (11'5 $\frac{13}{16}$ ") 20120
	roll of 2500 (8'2 $\frac{7}{16}$ ")	16452
	roll of 3500 (11'5 $\frac{13}{16}$ ")	16453
	Centering assembly black for all glass sliding doors, to wall profile	18663
	Centering assembly grey for all glass sliding doors	18619

## Accessories

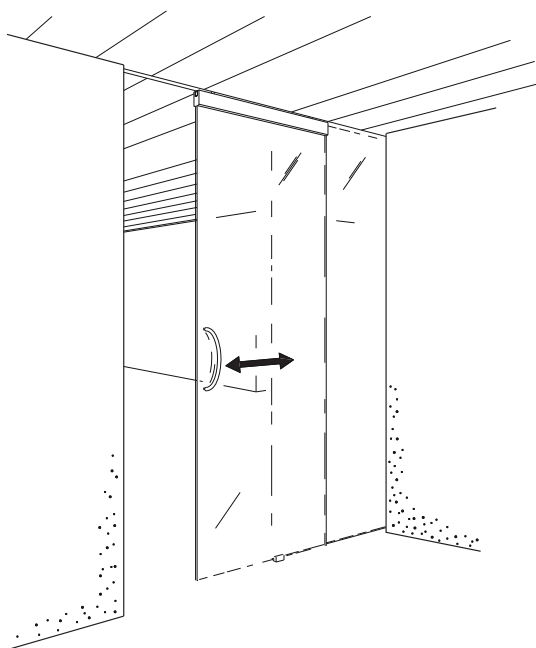
Accessories: → pages 120–129

## Order specifications

- Type and quantity of partial sets
- Type and length of running tracks
- Type and length of bottom guide channel
- Type and quantity of bottom guides

## Planning/installation

For planning and installation purposes, please use the installation drawing code 16138. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)  
For convenient operation of sliding doors with soft closing mechanisms, use bow-type handles instead of shell handles.



For unobtrusive, straight-running sliding glass doors.

Hardware system with stainless steel effect or plain anodised finish for all-glass sliding doors weighing up to 40 (88 lbs.) or 80 kg (176 lbs.).

## Description

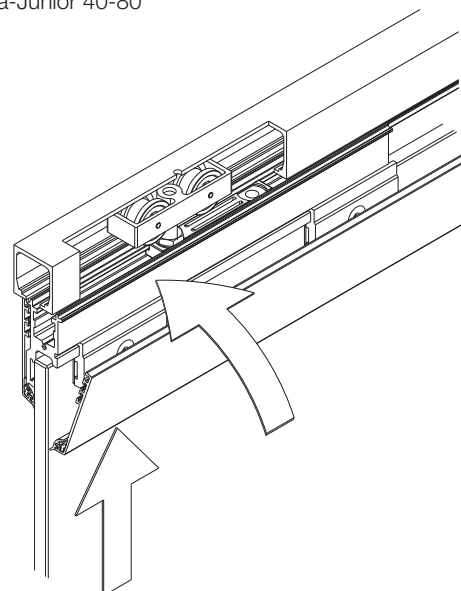
HAWA-Junior 40-80/GL with plain anodised or stainless steel effect cover profiles, running tracks and angle profiles fits in well with any contemporary setting. It offers an efficient and cost-effective solution that is also highly reliable, thanks to tried and tested HAWA-Junior moving parts. Down at floor level, rattle-proof bottom guides ensure quiet running and keep doors steady in the presence of draughts. HAWA-Junior 40-80/GL hardware is easy to install and absolutely dependable. The dry glazing system requires simple drilling in the glass. The interlocking glass fixing (patented) ensures lasting reliability in use, even under maximum load. Aluminium cover profiles for the slim glass retention profile fit easily, using rubber clips.

## Applications

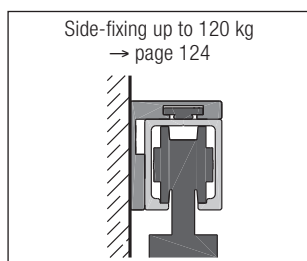
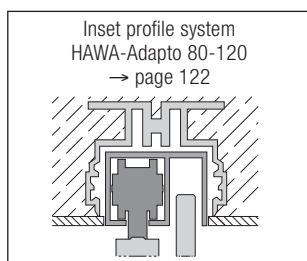
Wherever rooms need closing with unobtrusive, reliable all-glass sliding doors at optimum price/performance, e.g. in hotels, restaurants, conference rooms, airports, office buildings, or even private residential interiors and outdoor applications.

## Features of the HAWA-Junior 40-80/GL

- Maximum door weight 40/80 kg (88/176 lbs.)
- Maximum door width 1200 mm (3'11 1/4")
- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/9.5/10 mm (5/16"/3/8"/13/32")
- Glass thickness fixed glass ESG (fully tempered monolithic glass)/VSG (fully tempered laminated glass): 8–12 mm (5/16"–15/32") with silicone up to 13 mm (1/2")
- Profile height 65 mm (2 9/16")
- Interlocking glass fixing for maximum safety and reliability
- Gentle, quiet running
- Track stop with adjustable retainer
- Vertical adjustment without removing the glass door
- Cover profiles in various anodised finishes
- Rattle proof floor guide for glass sliding doors
- Simple installation
- Further profiles allow fixed glass to be fitted without the hardware being visible
- Can be combined with HAWA-Toplock and wall joint profile, and HAWA-Junior angle profile for wall fixing
- Soft closing mechanism SoftMove 80 for HAWA-Junior 80
- combinable with SoftMove 40-80 soft closing mechanism for HAWA-Junior 40-80

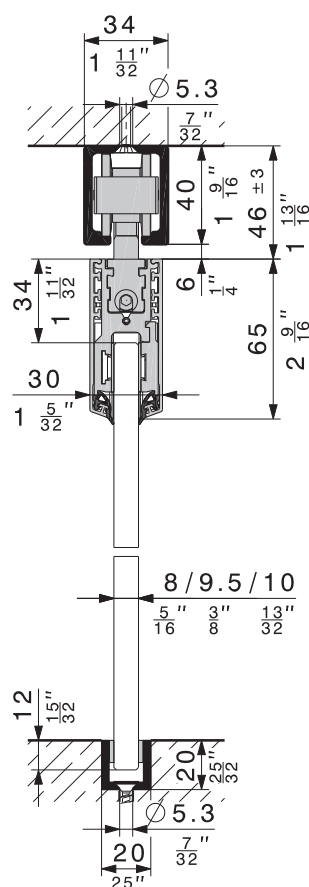
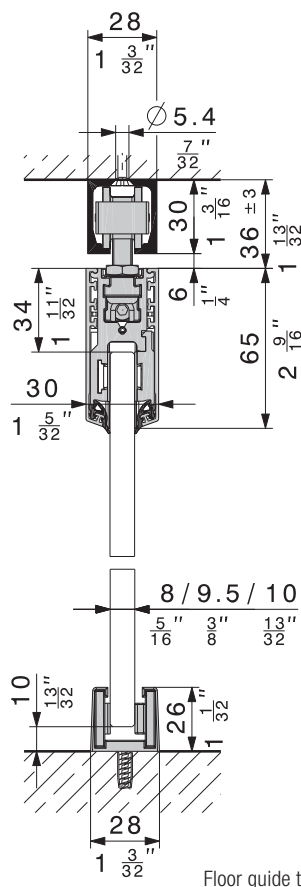


Subject to modification. Metric specifications are exact. Inches are approximate.



HAWA-Junior 40/GL

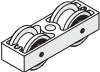
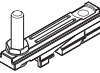
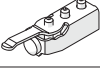





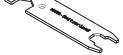
HAWA-Junior 80/GL



## HAWA-Junior 40/GL, partial set for single door, without running track

	code
HAWA-Junior 40/GL, partial set for 1 door	25906
For two-panel sliding doors please order two sets for single doors.	


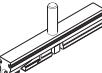






### Partial set comprising

		pieces	code
	Two-wheeled trolley, M8, with plastic wheels	2	25898
	Suspension plate with hanger bolt M8	2	19421
	Track stop, adjustable retaining force	2	10640
	Glass retainer profile 240 mm (9 15/32"), aluminium	2	19026
	Cover caps for glass retainer profile, plastic, anthracite-grey RAL 7016, set of 2 pieces	1	19927
	Fitting set for 2 glass suspension profiles (1 horizontal profile)	1	19926
	Hex key, 4 mm (5/32"), length 160 mm (6 5/16")	1	19931
	Adjustment tool for eccentric glass retainer	1	19256
	Adjustment and fixing key for suspension assembly	1	10793

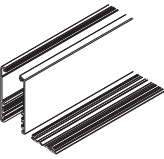
## HAWA-Junior 80/GL, partial set for single door, without running track

	code
HAWA-Junior 80/GL, partial set for 1 door	19933
For two-panel sliding doors please order two sets for single doors.	


### Partial set comprising

		pieces	code
	Two-wheeled trolley, M10, with plastic wheels	2	10407
	Suspension plate with hanger bolt M10	2	19937
	Track stop, adjustable retaining force	2	24497
	Glass retainer profile 240 mm (9 15/32"), aluminium	2	19026
	Cover caps for glass retainer profile, plastic, anthracite-grey RAL 7016, set of 2 pieces	1	19927
	Fitting set for 2 glass suspension profiles (1 horizontal profile)	1	19926
	Hex key, 4 mm (5/32"), length 160 mm (6 5/16")	1	19931
	Adjustment tool for eccentric glass retainer	1	19256

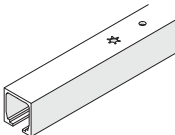
### Cover profiles

Caution: Minor differences in colour are possible		mm/inch	code
	Cover profile, alu unanodized, (to be finished by customer), 2 pieces for 1 horizontal profile, incl. clip-on rubber	1200 (3'11 1/4")	19923
	Cover profile, alu plain anodized, brushed, 2 pieces for 1 horizontal profile, incl. clip-on rubber	1200 (3'11 1/4")	19924
	Cover profile, stainless steel effect, brushed, 2 pieces for 1 horizontal profile, incl. clip-on rubber	1200 (3'11 1/4")	19925

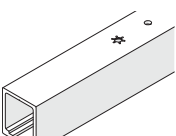
### Glass fixing parts

		thickness of glass	code
	Glass fixing parts for glass retainer profile 240 mm (9 <sup>15</sup> / <sub>32</sub> ") (1 horizontal profile)	8 mm ( <sup>5</sup> / <sub>16</sub> ")	19928
		9,5 mm ( <sup>3</sup> / <sub>8</sub> ")	19930
		10 mm ( <sup>13</sup> / <sub>32</sub> ")	19929
Glass fixing parts must be ordered to match the glass thickness.			



## Running tracks to HAWA-Junior 40/GL

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track, alu plain anodized, predrilled	1400 (4'7 $\frac{1}{8}$ " )	10213
		1600 (5'3" )	10214
		1800 (5'10 $\frac{7}{8}$ " )	10215
		2000 (6'6 $\frac{3}{4}$ " )	10216
		2500 (8'2 $\frac{7}{16}$ " )	25997
		3000 (9'10 $\frac{1}{8}$ " )	18530
		4000 (13'1 $\frac{1}{2}$ " )	18531
		6000 (19'8 $\frac{7}{32}$ " )	10211
		cut to size	10217

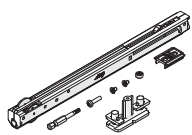
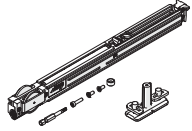
## Running tracks to HAWA-Junior 80/GL

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track, alu plain anodized, predrilled	1400 (4'7 $\frac{1}{8}$ ")	10189
		1600 (5'3")	10190
		1800 (5'10 $\frac{7}{8}$ ")	10191
		2000 (6'6 $\frac{3}{4}$ ")	10192
		2200 (7'2 $\frac{3}{4}$ ")	10193
		2500 (8'2 $\frac{7}{16}$ ")	10194
		3000 (9'10 $\frac{1}{8}$ ")	18532
		4000 (13'1 $\frac{1}{2}$ ")	18533
		6000 (19'8 $\frac{7}{32}$ ")	10186
		cut to size	10188
	Running track, alu stainless steel effect, brushed, predrilled	2500 (8'2 $\frac{7}{16}$ ")	22048
		4000 (13'1 $\frac{1}{2}$ ")	20005
		6000 (19'8 $\frac{7}{32}$ ")	20004
		cut to size	20006

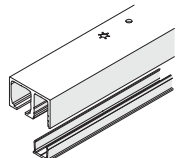
## Cover caps for running track

			code
	HAWA-Junior 40 Cover cap for running track, plastic anthrazite-grey RAL 7016		20901
	HAWA-Junior 80 Cover cap for running track, metal, suitable to both sides, 1 piece	dull chromium finish	24956
		stainless steel effect	24957

## SoftMove 40-80 soft closing mechanism for HAWA-Junior 40-80

		code
	SoftMove 40 soft closing mechanism for HAWA-Junior 40 (details: → page 120)	25987
	SoftMove 80 soft closing mechanism for HAWA-Junior 80 (details: → page 120)	22444

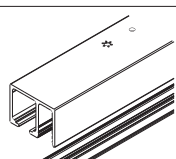
## Running track sets to HAWA-Junior 40 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track set to HAWA-Junior 40 with fixed glass, alu, predrilled	plain anodized	2000 (6'6 $\frac{3}{4}$ ") 20224
		6000 (19'8 $\frac{7}{32}$ ")	20225

## Running track set comprising

		mm/inch	20224	20225	code
Running track with fixed glass, alu, predrilled	plain anodized	2000 (6'6 $\frac{3}{4}$ ")	1		20101
		6000 (19'8 $\frac{7}{32}$ ")		1	20102
Cover profile to running track with fixed glass, alu	plain anodized	1250 (4'1 $\frac{3}{32}$ ")	1		19552
		3000 (9'10 $\frac{1}{8}$ ")		1	19562

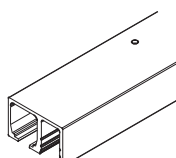
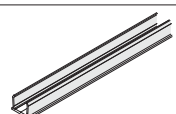

## Running track sets to HAWA-Junior 80 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track set to HAWA-Junior 80 with fixed glass, alu, predrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ ") 20226
		4000 (13'1 $\frac{1}{2}$ ")	20227
		6000 (19'8 $\frac{7}{32}$ ")	20228
	stainless steel effect	2500 (8'2 $\frac{7}{16}$ ")	21270
		4000 (13'1 $\frac{1}{2}$ ")	21271
		6000 (19'8 $\frac{7}{32}$ ")	21272

## Running track set comprising

		mm/inch	20226	20227	20228	21270	21271	21272	code
Running track with fixed glass, alu, predrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	1						20104
		4000 (13'1 $\frac{1}{2}$ ")		1					20105
		6000 (19'8 $\frac{7}{32}$ ")			1				20106
	stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")				1			21276
		4000 (13'1 $\frac{1}{2}$ ")					1		21277
		6000 (19'8 $\frac{7}{32}$ ")						1	21278
Cover profile to running track with fixed glass, alu	plain anodized	1250 (4'1 $\frac{3}{32}$ ")	1						19552
		2000 (6'6 $\frac{3}{4}$ ")		1					19553
		3000 (9'10 $\frac{1}{8}$ ")			1				19562
	stainless steel effect, brushed	1250 (4'1 $\frac{3}{32}$ ")				1			21280
		2000 (6'6 $\frac{3}{4}$ ")					1		21281
		3000 (9'10 $\frac{1}{8}$ ")						1	21282

## Running track with fixed glass, cut to size

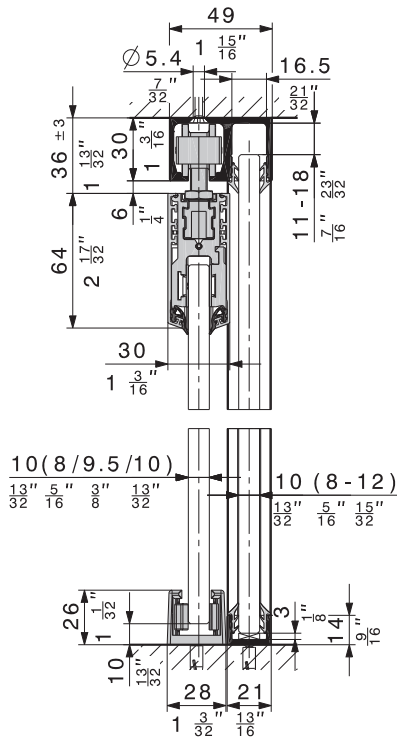
Caution: Hole positions vary			code
	Running track, alu, cut to size, plain anodized, predrilled	HAWA-Junior 40	20103
		HAWA-Junior 80	20107
	Running track, alu, cut to size, stainless steel effect, predrilled	HAWA-Junior 80	21279
	Cover profile to running track, alu, cut to size, plain anodized		19548
	Cover profile to running track, alu, cut to size, stainless steel effect		21284

## Running track sets with retainers for fixed glass

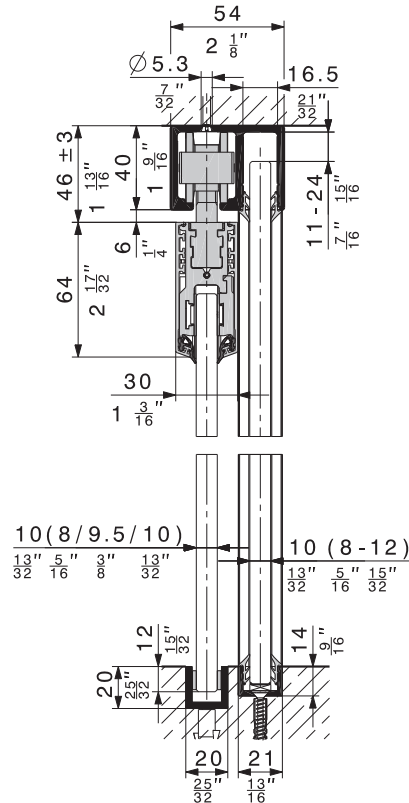
Our running track sets with integrated retainers for fixed glass add an extremely versatile and user-friendly partitioning system to the HAWA-Junior family.

The glass element is simply positioned in the track's fixed glass retainer. Glass cut-outs and visible hardware are now no longer necessary. A retainer profile for wall and floor fitting provides sufficient stability, whether flush or mounted. A Hawa rubber profile or a silicone groove hold the glass in position and prevent humidity seeping between glass and track. The running track set also has a cover profile made of aluminium which simply clips into the fixed glass retainer in the walk-through area – a solution which is both easy to use and pleasing to the eye.

HAWA-Junior 40

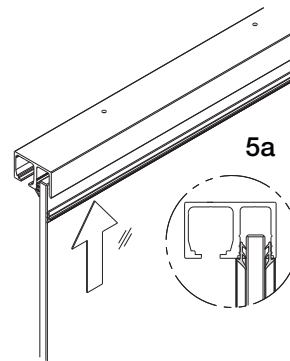
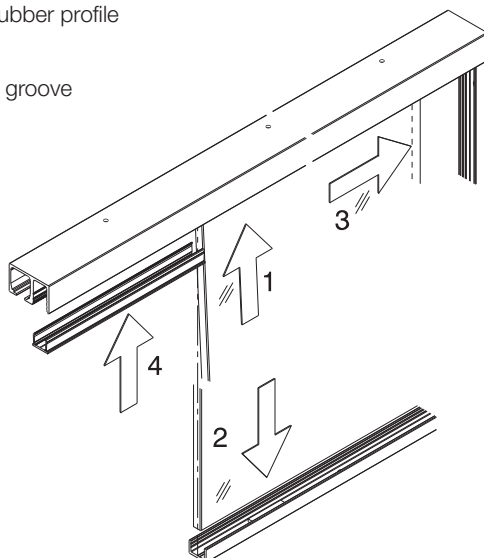


HAWA-Junior 80



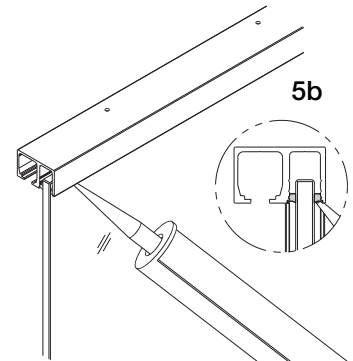
## Easy fitting of fixed glass

1. Slide glass element into fixed glass retainer at the top
2. Position the glass on the spacing block in the floor profile and/or
3. slide sideways into the wall profile
4. Clip cover profile into the walk-through area profile and seal
- 5a. with a Hawa rubber profile
- or
- 5b. with a silicone groove



Dry glazing with the Hawa rubber profile.

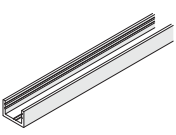
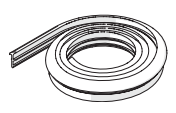
Attention:  
to be used on both sides,  
i.e. order double the amount.



Silicone glazing provided by the customer.

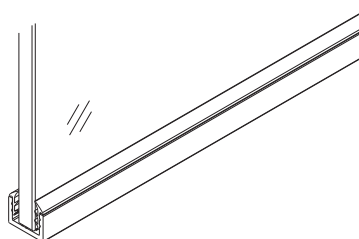


## Bottom, wall and rubber profile to fixed glass

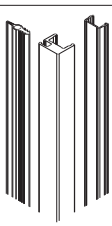
Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Bottom/wall profile to fixed glass, alu, plain anodized, predrilled	4000 (13'1 $\frac{1}{2}$ " )	19549
		6000 (19'8 $\frac{7}{32}$ " )	19561
		cut to size	20067
	Bottom/wall profile to fixed glass, alu, stainless steel effect, brushed, predrilled	4000 (13'1 $\frac{1}{2}$ " )	21285
		6000 (19'8 $\frac{7}{32}$ " )	21286
		cut to size	21287
	Rubber profile, black to fixed glass 8–9.9 mm ( $\frac{5}{16}$ " – $\frac{13}{32}$ " )	roll of 10 m (32'9 $\frac{5}{8}$ " )	25787
	Rubber profile, black to fixed glass 10–12 mm ( $\frac{13}{32}$ " – $\frac{15}{32}$ " )		25789
	Rubber profile, black to fixed glass 12.1–13.1 mm ( $\frac{15}{32}$ " – $\frac{17}{32}$ " )		25763

## Bottom / wall profile to fixed glass

The retention profile provides stability for the fixed glass element, whether mounted on or sunk into the floor.



## Vertical sealing profile

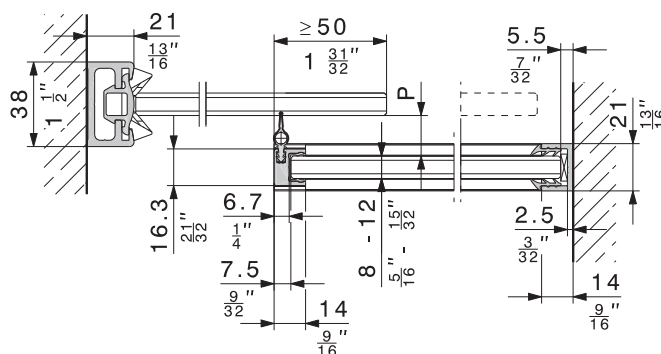
Caution: Minor differences in colour are possible			mm/ inch	code
	Vertical seal 13/18, alu, for all-glass sliding doors with fixed glass, set for glass distance 13–18,5 mm ( $\frac{13}{32}$ " – $\frac{3}{4}$ " )	plain anodized	2500 (8'2 $\frac{1}{16}$ " )	20283
			3500 (11'5 $\frac{13}{16}$ " )	20284
		stainless steel effect, brushed	2500 (8'2 $\frac{1}{16}$ " )	21290
			3500 (11'5 $\frac{13}{16}$ " )	21291

## Glass distance «P» for vertical sealing





	Glass thickness sliding door	Vertical seal	Glass distance «P»
HAWA-Junior 40/GL	8–10 mm ( $\frac{5}{16}$ " – $\frac{13}{32}$ " )	13/18	13–16 mm ( $\frac{17}{32}$ " – $\frac{5}{8}$ " )
HAWA-Junior 80/GL			15–18 mm ( $\frac{19}{32}$ " – $\frac{23}{32}$ " )

## Vertical sealing profile

The vertical sealing profile is effective against draughts. The slim aluminium profile affixes frontally to glass elements 8–12 mm ( $\frac{5}{16}$ " –  $\frac{15}{32}$ " ) thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks throughout years of service.

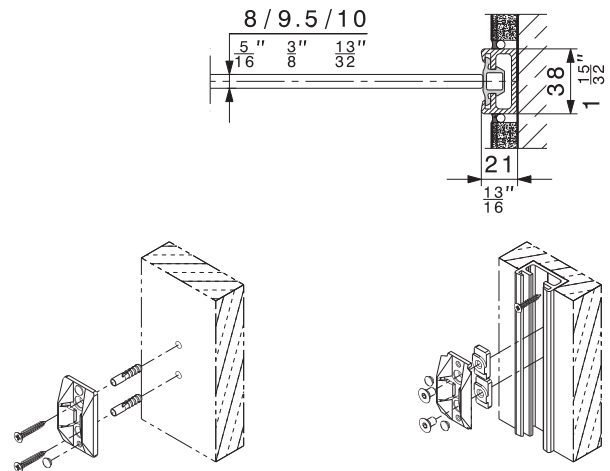


## Wall connection profile

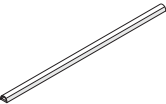
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> "	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> "	17021
		stainless-steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> "	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> "	20120
	Seal profile, black, for wall profile	roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> "		16452
		roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> "		16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.

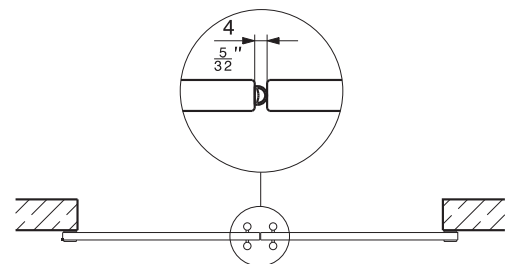


## Rubber profile for glass edge protection

		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> "/ <sup>13</sup> / <sub>32</sub> " ) glass thickness, black, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> " )	5 m (16'4 <sup>27</sup> / <sub>32</sub> "	19442
		10 m (32'9 <sup>23</sup> / <sub>32</sub> "	19443
		50 m (164'1 <sup>1</sup> / <sub>2</sub> "	19444
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> "/ <sup>13</sup> / <sub>32</sub> " ) glass thickness, translucent, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> " )	5 m (16'4 <sup>27</sup> / <sub>32</sub> "	19445
		10 m (32'9 <sup>23</sup> / <sub>32</sub> "	19446
		50 m (164'1 <sup>1</sup> / <sub>2</sub> "	19447

## Rubber profile for glass edge protection




Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent all-glass sliding doors.



## Fitting sets to HAWA-Adapto 80-120

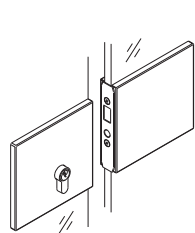
	mm/inch	code
Fitting sets to HAWA-Adapto 80, with countersunk screws	to 2500 (8'2 $\frac{7}{16}$ " )	22841
	2501 to 4000 (8'2 $\frac{15}{32}$ " to 13'1 $\frac{1}{2}$ " )	22842
	4001 to 6000 (13'1 $\frac{17}{32}$ " to 19'8 $\frac{7}{32}$ " )	22843
Fitting sets to HAWA-Adapto 120, with pan head screws	to 2500 (8'2 $\frac{7}{16}$ " )	20232
	2501 to 4000 (8'2 $\frac{15}{32}$ " to 13'1 $\frac{1}{2}$ " )	20233
	4001 to 6000 (13'1 $\frac{17}{32}$ " to 19'8 $\frac{7}{32}$ " )	20234

## Set comprising

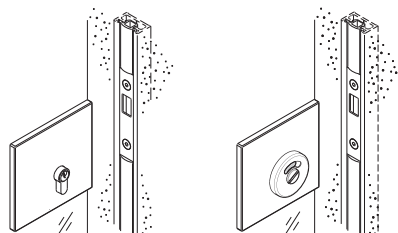
		mm/ inch	22841	22842	22843	20232	20233	20234	code
	Distance plate, plastic	1 ( $\frac{1}{16}$ " )	2	2	3	2	2	3	19398
		2 ( $\frac{3}{32}$ " )	2	2	3	2	2	3	19399
		3 ( $\frac{1}{8}$ " )	2	2	3	2	2	3	19400
		5 ( $\frac{5}{32}$ " )	4	4	6	4	4	6	19401
	Special countersunk screws, 6 x 21 mm ( $\frac{1}{4}$ " x $\frac{27}{32}$ " ), set of 10 pieces		1	2	3	–	–	–	22844
	Special pan head screws, 6 x 22 mm ( $\frac{1}{4}$ " x $\frac{7}{8}$ " ), set of 10 pieces		–	–	–	1	2	3	20215

## Better safe than sorry

Thanks to its combined aesthetic and security appeal, the HAWA-Toplock for all-glass sliding doors makes the ideal solution. Details: → HAWA-Toplock.



HAWA-Toplock with countercasing



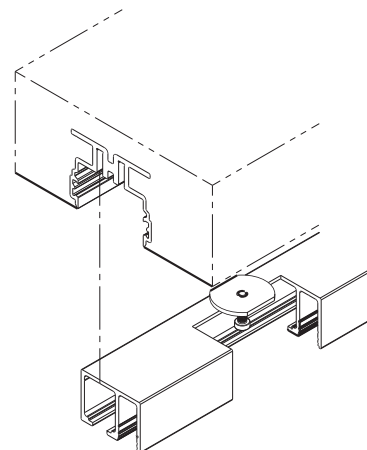
HAWA-Toplock with wall profile and seal profile, black 16452/16453.

## Fitting set to HAWA-Adapto 80-120

The HAWA-Junior running tracks both with and without a bottom profile for fixed glass can be screwed into the embedded HAWA-Adapto profile using special adjustable screws.

Dimensional differences in the structure can be quickly and effectively levelled out by inserting spacing plates at the track ends, with additional plates in the centre for lengths of more than 4 m (13'1 $\frac{1}{2}$ " ).

For details on the HAWA-Adapto 80-120: → supplementary parts on page 122



## Accessories

Accessories: → pages 120–129

## Order specifications

- Type and quantity of partial sets
- Type and quantity of cover profiles
- Type and quantity of glass fixing parts
- Type and length of running tracks
- Type and quantity of floor-mounted guides

## Order specifications optional

- Quantity of bottom door stopper
- Type and length of wall profile
- Type and length of seal profile to wall profile
- Type and quantity of centering assemblies for wall connection
- Type and length of rubber profile for glass edge protection

## Order specifications fixed glass

- Type and quantity of running tracks with fixed glass
- Type and quantity of fitting sets

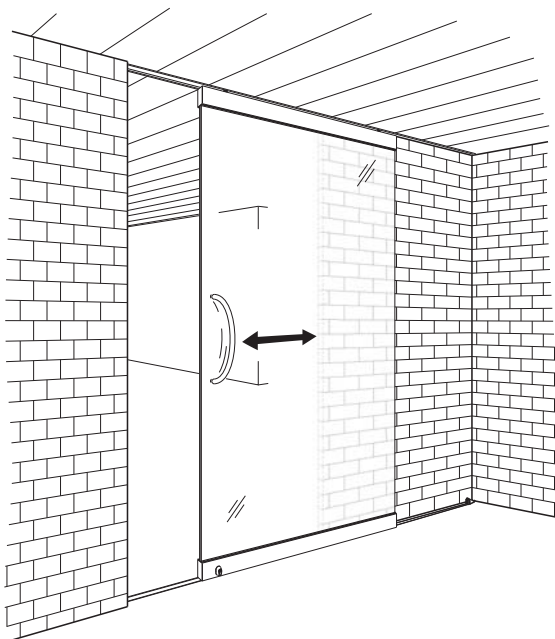
## Optional order specification fixed glass

- Type and quantity of bottom-/wall profile
- Type and quantity of rubber profile to fixed glass
- Type and quantity of vertical sealing profile

## Planning/installation

For planning and installation purposes, please use the installation drawing code 19918. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

For convenient operation of sliding doors with soft closing mechanisms, use bow-type handles instead of shell handles.



**Hardware systems for all-glass sliding doors weighing up to 80, 120 and 160 kg (176, 264 and 352 lbs.).**

## Description

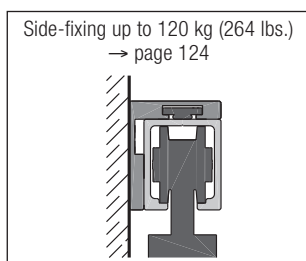
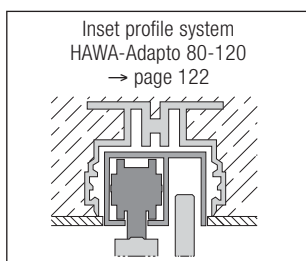
The HAWA-Junior 80-120-160/G is a truly robust sliding-door hardware system for all-glass sliding doors with top-fixed suspension. Its top-fixed suspension and glass retainer can also be used for fixed glass panels and doors, and thus provide ideal prerequisites for a uniform complete solution.

## Applications

This hardware system is suitable for use wherever there is a need for combining top quality with smooth and quiet operation, e.g. in residential and public buildings, industrial premises or the administrative sector.

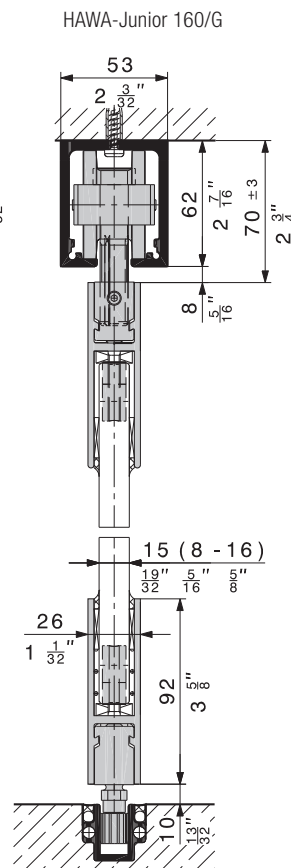
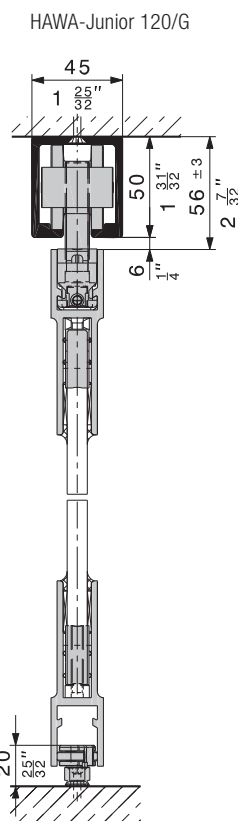
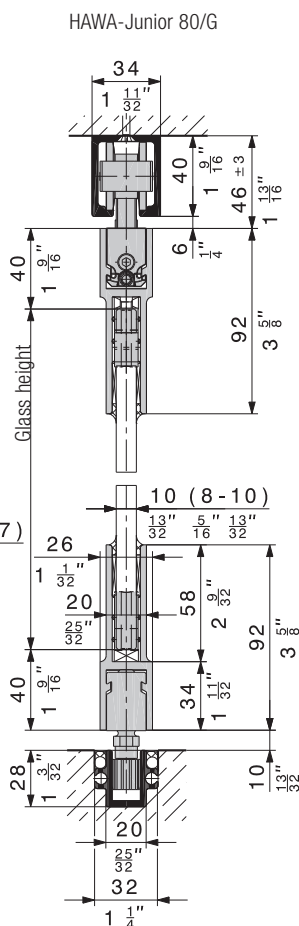
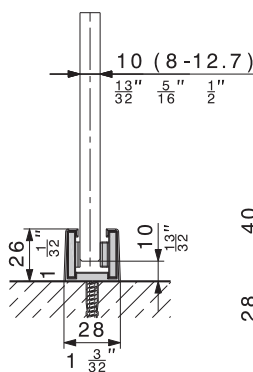
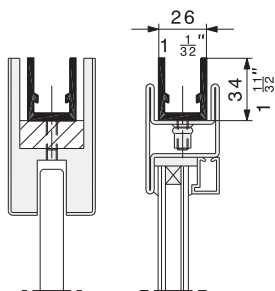
## Features of the HAWA-Junior 80-120-160/G

- Two-wheeled trolley, with plastic wheels
- Track stop with adjustable retainer
- Glass thickness sliding door ESG (fully tempered monolithic glass): 8–16 mm ( $\frac{5}{16}$ "– $\frac{5}{8}$ " )
- Glass thickness fixed glass ESG (fully tempered monolithic glass)/ VSG (fully tempered laminated glass): 8–12 mm ( $\frac{5}{16}$ "– $\frac{15}{32}$ " ) with silicone up to 13 mm ( $\frac{17}{32}$ " )
- Smooth and quiet operation
- Vertical adjustment
- Special floor guide, screw mounting, rattle proof, for glass sliding doors
- Further profiles allow fixed glass to be fitted without the hardware being visible
- Soft closing mechanism SoftMove 80 for HAWA-Junior 80
- combinable with SoftMove 80-120 soft closing mechanism for HAWA-Junior 80-120



## Hawa-advantage

Hawa offers a suspension profile (12915) which permits the use of either a standard or a customised top-fixed glass suspension/retainer profile.









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



## HAWA-Junior 80/G, partial set, without running track

	code
HAWA-Junior 80/G, partial set for single door ESG <sup>1</sup>	11689
For two-panel sliding doors please order two sets for single doors.	

### Partial set comprising

		pieces	code
	Two-wheeled trolley, M10, with plastic wheels	2	10407
	Suspension plate with hanger bolt M10	2	10476
	Track stop, adjustable retaining force	2	24497
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	2	20907
	Screw-on rubber door stop	1	10629
	Suspension assembly locking wrench	1	10778

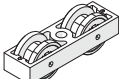
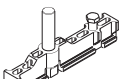




## HAWA-Junior 80, 10-pieces sets

		code
	Two-wheeled trolley, M10, with plastic wheels, 10-pieces set	25952
	Track stop, adjustable retaining force, 10-pieces set	25962


## HAWA-Junior 120/G, partial set, without running track

	code
HAWA-Junior 120/G, partial set for single door ESG <sup>1</sup>	25910
For two-panel sliding doors please order two sets for single doors.	

### Partial set comprising

		pieces	code
	Two-wheeled trolley, M12, with plastic wheels	2	25900
	Suspension plate with hanger bolt M12	2	15294
	Track stop, adjustable retaining force	2	14858
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	2	20907
	Screw-on rubber door stop	1	10629
	Suspension assembly locking wrench	1	14861






## HAWA-Assembly wedge for HAWA-Junior 80/G and 120/G

		code
	HAWA-Assembly wedge for sliding doors running in the ceiling, set for 1 sliding door (details:→ page 126)	15770

## HAWA-Junior 160/G, partial set, without running track

	code
HAWA-Junior 160/G, partial set for single door ESG <sup>1</sup>	12219
For two-panel sliding doors please order two sets for single doors.	

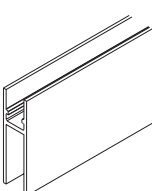

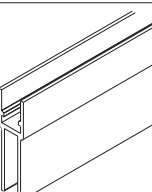

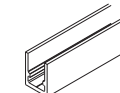
### Partial set comprising

		pieces	code
	Two-wheeled trolley, M14, with plastic wheels and hanger bolt M14	2	10424
	Suspension plate, M14, with fixing screws	2	10471
	Track stop, adjustable retaining force	2	10639
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	2	20907
	Screw-on rubber door stop	1	13114

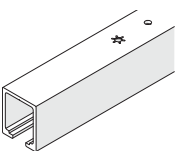
### Interlocking glass retainer

		code
	Glass holder insert, plastic, with screw M6 x 30 mm	10792
2 pieces per glass suspension/retainer profile		

### Glass suspension/retainer profile

		mm/inch	code
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	21783
	cut to size		21784
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	13158
	cut to size		13159
	Cover cap for glass suspension/retainer profile 21783/21784/13158/13159, plastic anthracite-grey RAL 7016		21085
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	21781
	cut to size		21782
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	10348
	cut to size		10349
	Cover cap for glass suspension/retainer profile 21781/21782/10348/10349, plastic anthracite-grey RAL 7016		21512
	Multi purpose suspension and retainer profile, alu plain anodized, undrilled	6500 (21'3 29/32")	10345
	cut to size		12915

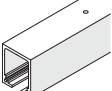

## Running tracks to HAWA-Junior 80/G

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Running track, alu plain anodized, predrilled	1400 (4'7 $\frac{1}{8}$ "	10189
		1600 (5'3"	10190
		1800 (5'10 $\frac{7}{8}$ "	10191
		2000 (6'6 $\frac{3}{4}$ "	10192
		2200 (7'2 $\frac{5}{8}$ "	10193
		2500 (8'2 $\frac{7}{16}$ "	10194
		3000 (9'10 $\frac{1}{8}$ "	18532
		4000 (13'1 $\frac{1}{2}$ "	18533
		6000 (19'8 $\frac{7}{32}$ "	10186
		cut to size	10188
	Running track, alu stainless steel effect, brushed, predrilled	2500 (8'2 $\frac{7}{16}$ "	22048
		4000 (13'1 $\frac{1}{2}$ "	20005
		6000 (19'8 $\frac{7}{32}$ "	20004
		cut to size	20006


## Running tracks to HAWA-Junior 120/G

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain anodized, predrilled	2500 (8'2 $\frac{7}{16}$ "	14866
		3000 (9'10 $\frac{1}{8}$ "	14867
		4000 (13'1 $\frac{1}{2}$ "	14868
		6000 (19'8 $\frac{7}{32}$ "	14869
		cut to size	14871

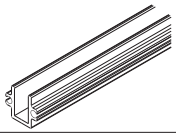



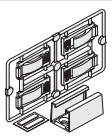


## Running tracks to HAWA-Junior 160/G

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain anodized, predrilled	3000 (9'10 $\frac{1}{8}$ "	24608
		4000 (13'1 $\frac{1}{2}$ "	24607
		5000 (16'4 $\frac{3}{4}$ "	24606
		6000 (19'8 $\frac{7}{32}$ "	24605
		cut to size	24609
	Connecting pins for profiles, set of 2 pieces		21347

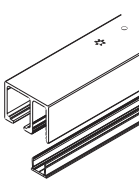
## Cover cap for running track

			code
	HAWA-Junior 80 Cover cap for running track, metal, suitable to both sides, 1 piece	dull chromium finish	24956
		stainless steel effect	24957
	HAWA-Junior 120 Cover cap for running track, metal, suitable to both sides, 1 piece	dull chromium finish	25332

## Bottom guide channels/bottom door stop

Caution: Hole positions vary			code
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 1/8" x 1 1/8")	6000 mm (19'8 $\frac{7}{32}$ "	13688
		cut to size	13690
	Connecting bolt, Ø 6 x 40 mm (1/4" x 1 5/8")		13759
	Guide with plastic slider, rattle proof, 14 mm (9/16") and suspension block		13781
	Rattle-proof floor mounted guide, with wheels (surface mounted lock not possible)		24905
	Rattle-proof floor guide inc. self-adhesive sliders for satinised glass, glass thickness 8-12,7 mm (5/16"-1/2")	dull chromium finish	16029
		stainless steel effect	21267
	Distance plate to bottom guide		16657
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

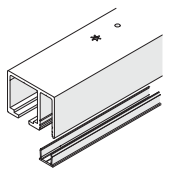
## Running track sets to HAWA-Junior 80 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Running track set to HAWA-Junior 80 with fixed glass, alu, predrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ "	20226
			4000 (13'1 $\frac{1}{2}$ "	20227
			6000 (19'8 $\frac{7}{32}$ "	20228
		stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ "	21270
			4000 (13'1 $\frac{1}{2}$ "	21271
			6000 (19'8 $\frac{7}{32}$ "	21272

## Running track sets comprising

		mm/inch	20226	20227	20228	21270	21271	21272	code
Running track with fixed glass, alu, predrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ "	1						20104
		4000 (13'1 $\frac{1}{2}$ "		1					20105
		6000 (19'8 $\frac{7}{32}$ "			1				20106
	stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ "				1			21276
		4000 (13'1 $\frac{1}{2}$ "					1		21277
		6000 (19'8 $\frac{7}{32}$ "						1	21278
Cover profile to running track with fixed glass, alu	plain anodized	1250 (4'1 $\frac{7}{32}$ "	1						19552
		2000 (6'6 $\frac{3}{4}$ "		1					19553
		3000 (9'10 $\frac{1}{8}$ "			1				19562
	stainless steel effect, brushed	1250 (4'1 $\frac{7}{32}$ "				1			21280
		2000 (6'6 $\frac{3}{4}$ "					1		21281
		3000 (9'10 $\frac{1}{8}$ "						1	21282

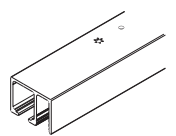
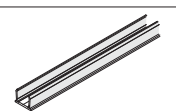
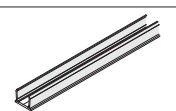
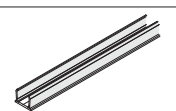
## Running track sets to HAWA-Junior 120 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code
	Running track set with fixed glass to HAWA-Junior 120, alu, predrilled	plain anodized	3000 (9'10 <sup>1</sup> / <sub>8</sub> "	20229
			4000 (13'1 <sup>1</sup> / <sub>2</sub> "	20230
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	20231

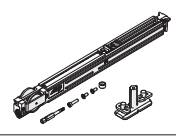
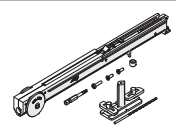
## Running track sets comprising

		mm/inch	20229	20230	20231	code
Running track with fixed glass, alu, predrilled	plain anodized	3000 (9'10 $\frac{1}{8}$ "	1			20235
		4000 (13'1 $\frac{1}{2}$ "		1		20054
		6000 (19'8 $\frac{7}{32}$ "			1	20055
Cover profile to running track with fixed glass, alu	plain anodized	2000 (6'6 $\frac{3}{4}$ "	1	1		19553
		3000 (9'10 $\frac{1}{8}$ "			1	19562

## Running tracks with fixed glass, cut to size

Caution: Hole positions vary			code
	Running track, alu, cut to size, plain anodized, predrilled	HAWA-Junior 80	20107
		HAWA-Junior 120	20056
	Running track, alu, cut to size, stainless steel effect, predrilled	HAWA-Junior 80	21279
	Cover profile to running track, alu, cut to size, plain anodized		19548
	Cover profile to running track, alu, cut to size, stainless steel effect		21284

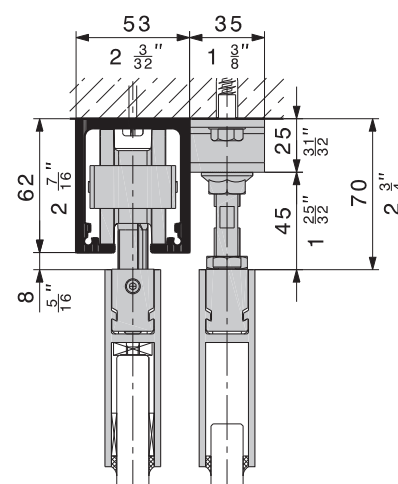
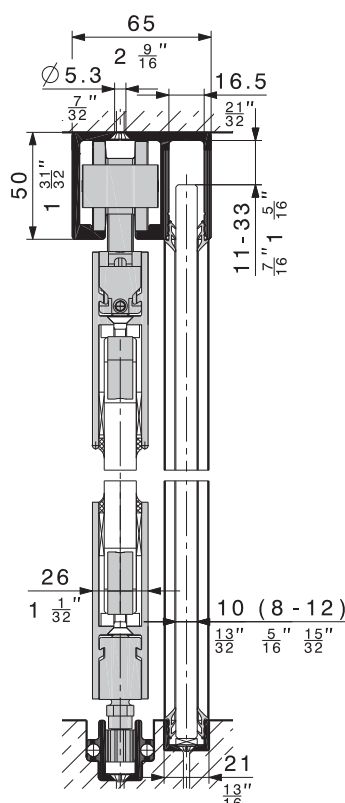
## SoftMove 80-120 soft closing mechanism for HAWA-Junior 80-120

		code
	SoftMove 80 soft closing mechanism for HAWA-Junior 80 (details: → page 120)	22444
	SoftMove 120 soft closing mechanism for HAWA-Junior 120 (details: → page 120)	25988

Our running track sets with integrated retainers for fixed glass add an extremely versatile and user-friendly partitioning system to the HAWA-Junior family.

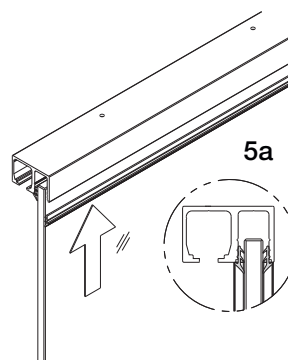
The glass element is simply positioned in the track's fixed glass retainer. Glass cut-outs and visible hardware are now no longer necessary. A retainer profile for wall and floor fitting provides sufficient stability, whether flush or mounted. A Hawa rubber profile or a silicone groove hold the glass in position and prevent humidity seeping between glass and track. The running track set also has a cover profile made of aluminium which simply clips into and closes the fixed glass retainer in the walk-through area – a solution which is both easy to use and pleasing to the eye.

HAWA-Junior 160



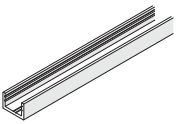

Details: → page 61

1. Slide glass element into fixed glass retainer at the top
2. Position the glass on the spacing block in the floor profile and/or
3. slide sideways into the wall profile
4. Clip cover profile into the walk-through area profile and seal
- 5a. with a Hawa rubber profile  
or
- 5b. with a silicone groove



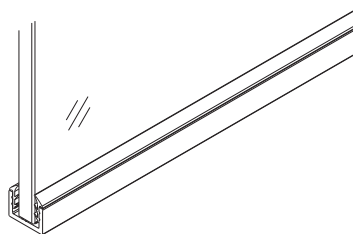
Silicone glazing provided by the customer.

## Bottom, wall and rubber profile to fixed glass

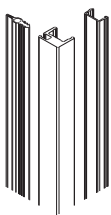
Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Bottom/wall profile to fixed glass, alu, plain anodized, predrilled	4000 (13'1 $\frac{1}{2}$ " )	19549
		6000 (19'8 $\frac{7}{32}$ " )	19561
		cut to size	20067
	Bottom/wall profile to fixed glass, alu, stainless steel effect, brushed, predrilled	4000 (13'1 $\frac{1}{2}$ " )	21285
		6000 (19'8 $\frac{7}{32}$ " )	21286
		cut to size	21287
	Rubber profile, black to fixed glass 8–9.9 mm ( $\frac{5}{16}$ " – $\frac{13}{32}$ " )	roll of 10 m (32'9 $\frac{23}{32}$ " )	25787
	Rubber profile, black to fixed glass 10–12 mm ( $\frac{13}{32}$ " – $\frac{15}{32}$ " )		25789
	Rubber profile, black to fixed glass 12.1–13.1 mm ( $\frac{15}{32}$ " – $\frac{17}{32}$ " )		25763

## Bottom/wall profile to fixed glass

The retention profile provides stability for the fixed glass element, whether mounted on or sunk into the floor.

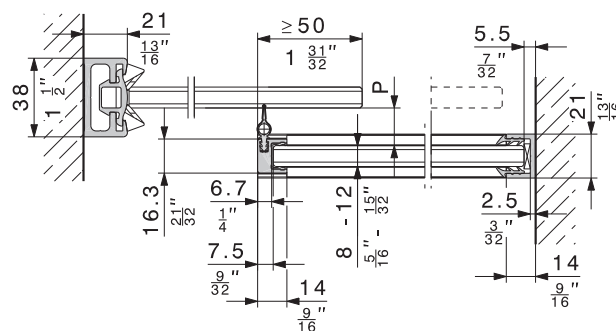


## Vertical sealing profile

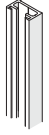



Caution: Minor differences in colour are possible			mm	code
	Vertical seal 13/18, alu, for all-glass sliding doors with fixed glass, set for glass distance 13–18,5 mm ( $\frac{17}{32}$ – $\frac{3}{4}$ " )	plain anodized	2500	20283
			3500	20284
		stainless steel effect, brushed	2500	21290
			3500	21291
	Vertical seal 20/22, alu, for all-glass sliding doors with fixed glass, set for glass distance 20–22 mm ( $\frac{25}{32}$ – $\frac{7}{8}$ " )	plain anodized	2500	20650
			3500	20651

## Vertical sealing profile

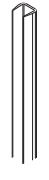
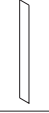
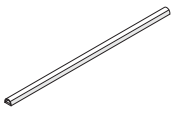
The vertical sealing profile is effective against draughts. The slim aluminium profile affixes frontally to glass elements 8–12 mm ( $\frac{5}{16}$ " –  $\frac{15}{32}$ " ) thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks throughout years of service.



## Wall connection profile

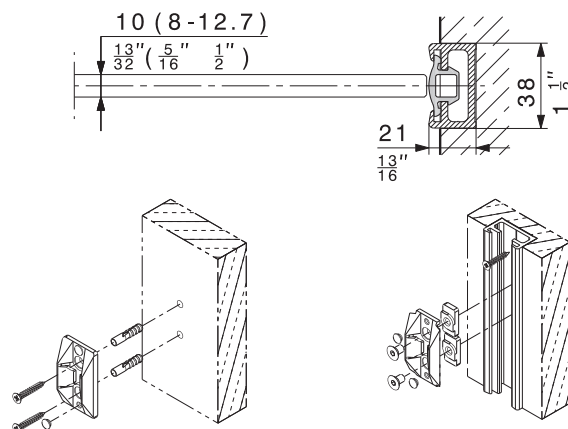
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	17021
		stainless-steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> " )	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> " )	20120
	Seal profile, black, for wall profile	roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> " )		16452
		roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> " )		16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Protective transparent edge trims

	Glass	mm/inch	code
	10 mm ( <sup>3</sup> / <sub>8</sub> " )	3000 (9'10 <sup>1</sup> / <sub>8</sub> " )	13822
		6000 (19'8 <sup>7</sup> / <sub>32</sub> " )	13600
	12 mm ( <sup>15</sup> / <sub>32</sub> " )	3000 (9'10 <sup>1</sup> / <sub>8</sub> " )	13908
		6000 (19'8 <sup>7</sup> / <sub>32</sub> " )	13907
	12,7 mm ( <sup>1</sup> / <sub>2</sub> " )	3000 (9'10 <sup>1</sup> / <sub>8</sub> " )	13912
		6000 (19'8 <sup>7</sup> / <sub>32</sub> " )	13911
	Double-sided adhesive tape for protective edge trim	roll of 50 m (164' <sup>1</sup> / <sub>2</sub> " )	13988
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> " ) glass thickness, black, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> " )	5 m (16'4 <sup>27</sup> / <sub>32</sub> " )	19442
		10 m (32'9 <sup>23</sup> / <sub>32</sub> " )	19443
		50 m (164' <sup>1</sup> / <sub>2</sub> " )	19444
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> " ) glass thickness, translucent, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> " )	5 m (16'4 <sup>27</sup> / <sub>32</sub> " )	19445
		10 m (32'9 <sup>23</sup> / <sub>32</sub> " )	19446
		50 m (164' <sup>1</sup> / <sub>2</sub> " )	19447

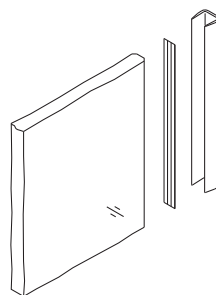
## Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.

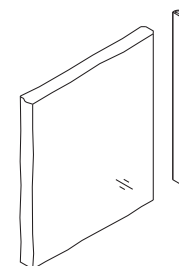


## Glass edge protection

A transparent glass edge protection profile and the self-adhesive rubber profile are recommended to protect vertical glass edges. The latter not only protects the glass edge, but also reduces draughts to a minimum.



The glass edge protection profile is made of transparent plastic and is fitted to the glass edge with double-sided adhesive tape.



The self-adhesive rubber profile in black or translucent reduces draughts to a minimum and protects the glass edge.

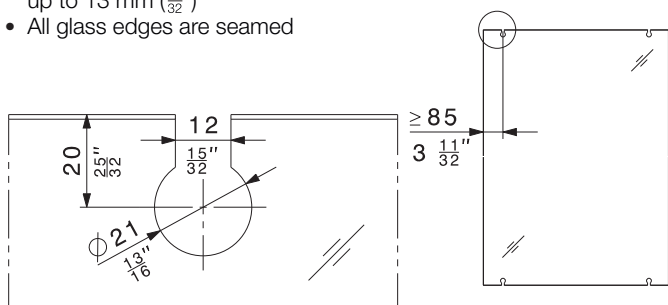
## Glass cutouts – sliding doors

The glass ESG (fully tempered monolithic glass) must be provided with cutouts for installation of the glass holder inserts and the safety locks.

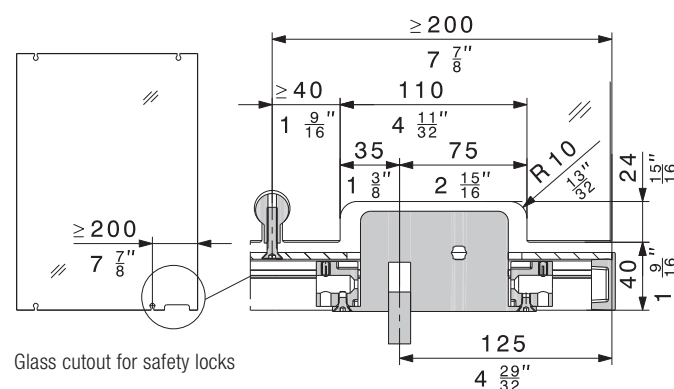
- Glass thickness sliding door: ESG (fully tempered monolithic glass) 8–16 mm (<sup>5</sup>/<sub>16</sub>" – <sup>5</sup>/<sub>8</sub>" ), thickness tolerance  $\pm 0,3$  mm
- All glass edges are seamed; maximum 1 mm (<sup>1</sup>/<sub>16</sub>" ) in the glass cutout

## Fixed glass without glass cutouts

- Glass thickness fixed glass ESG (fully tempered monolithic glass)/ VSG (fully tempered laminated glass) 8–12mm (<sup>5</sup>/<sub>16</sub>" – <sup>15</sup>/<sub>32</sub>" ) with silicone up to 13 mm (<sup>17</sup>/<sub>32</sub>" )
- All glass edges are seamed



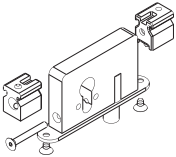
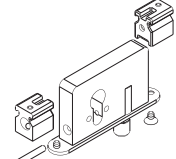
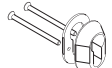




Glass cutout for glass holder



Glass cutout for safety locks

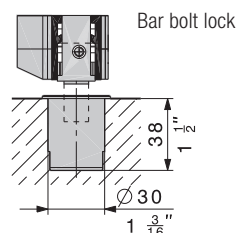
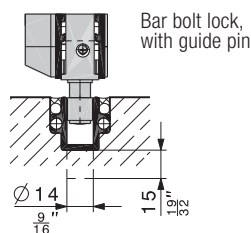
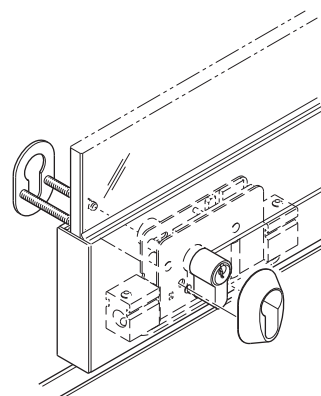
Subject to modification. Metric specifications are exact. Inches are approximate.

## Integrated locks

			code
	Bar bolt lock, with retention pin	profile cylinder 17 mm ( $\frac{11}{16}$ " )	16760
		round cylinder 22 mm ( $\frac{7}{8}$ " )	16761
		square/hexagon socket	16762
	Bar bolt lock, with guide pin and fixing parts	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18484
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18485
		square/hexagon socket	18486
	Security rose 16 mm ( $\frac{5}{8}$ " ), for double cylinder 17/61 mm ( $\frac{11}{16}$ " / $2\frac{33}{64}$ " ), chrome nickel steel		18502
	Spacer for security rose	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18493
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18494
	Floor-mounted sleeve with oblong hole and chromium-plated brass spring		13787
	Rosette for floor-mounted sleeve 13787		17326
	Strike plate, chromium-plated steel		13130

## Safety first

An integrated bar bolt lock compatible with the 17 mm ( $\frac{11}{16}$ " ) profile cylinder, 22 mm ( $\frac{7}{8}$ " ) round cylinder and square/hexagon socket is available for securing all-glass sliding doors.



## Locking doors at handle height

The HAWA-Toplock for all-glass sliding doors is ideal for locking doors at handle height.

Details: → HAWA-Toplock.

## Accessories

Accessories: → page 120–129

## Order specifications

- Type and quantity of partial sets
- Type and length of running tracks
- Type and length of glass suspension/retainer profile
- Quantity of glass holder insert
- Type and quantity of bottom guides

## Optional order specifications

- Type and quantity of cover caps for suspension and retainer profile
- Type and quantity of bar bolt lock
- Accessories for bar bolt lock
- Type and quantity of wall connection profile
- Type and quantity of protective transparent edge profile

## Optional order specification fixed glass

- Type and quantity of running tracks with fixed glass
- Type and quantity of bottom/wall profile
- Type and quantity of rubber profile to fixed glass
- Type and quantity of vertical sealing profiles
- Type and quantity of fitting sets

## Planning/installation

For planning and installation purposes, please use the installation drawing code 18183. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

For convenient operation of sliding doors with soft closing mechanisms, use bow-type handles instead of shell handles.

## Services

Service items such as cutouts for safety locks and cylinders as well as surface treatments are charged separately. Price on request.

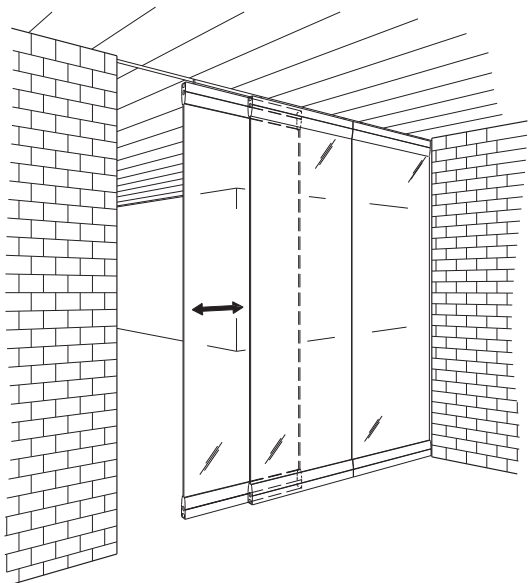
## Cutouts


	code
Cutout, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for double cylinder	18489
Cutout left, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21331
Cutout right, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21332
Cutout, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for double cylinder	18490
Cutout left, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21333
Cutout right, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21334
Cutout, bar bolt lock, left, square/hexagon socket	18492
Cutout, bar bolt lock, right, square/hexagon socket	18491

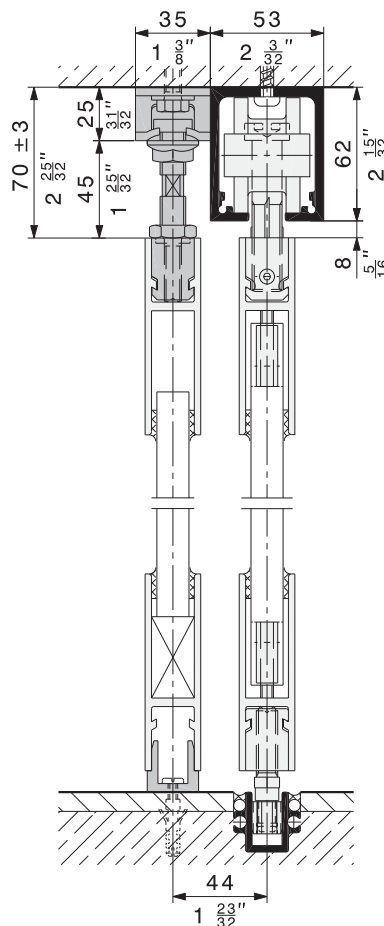
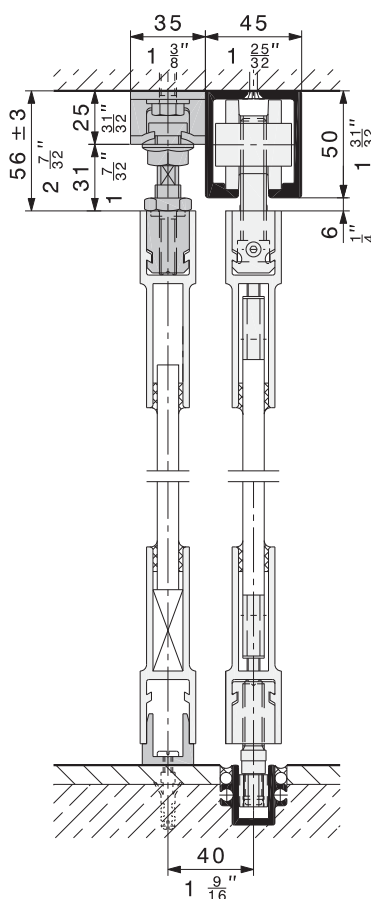
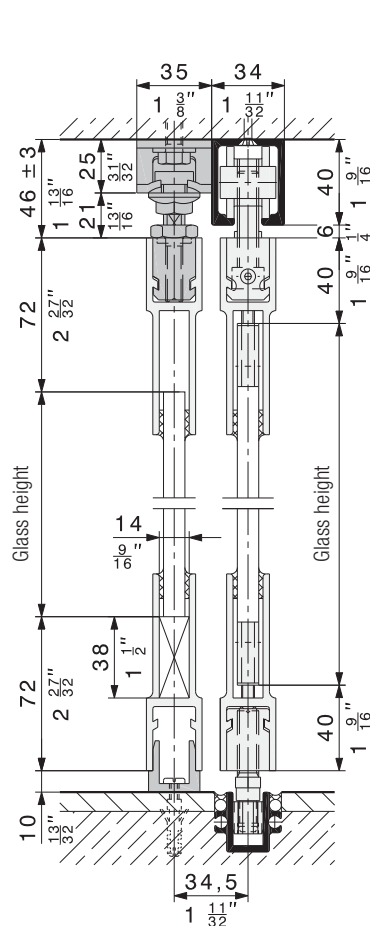
## Surface treatments

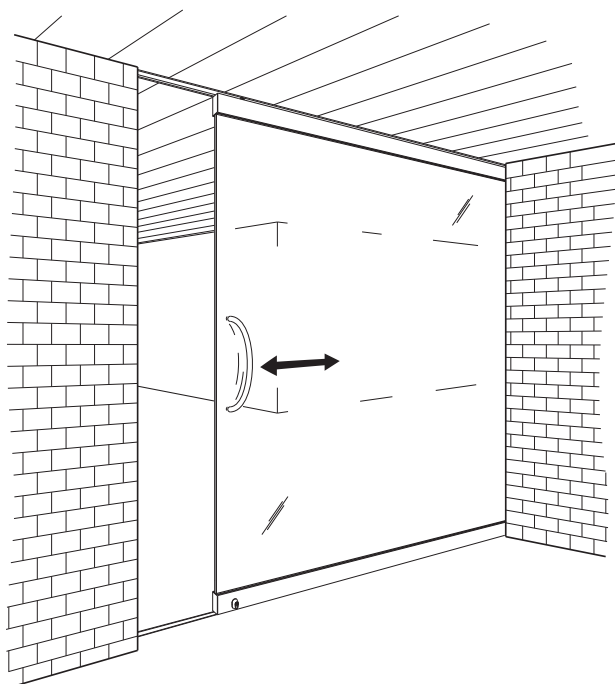
	code
Basic treatment fee to surface treatment, lump sum per colour	16741
Powder-coated to RAL code	14163
Plain anodized, polished, brushed	14626
Stainless-steel effect, hard anodized, brushed, polished, mat finish	14378
Chrome effect, polished finish	14630
Nickel-plated, mirror finish	14631

### Stationary glass HAWA-Fixed Glass



		mm	code
	Bottom profile, alu, plain anodized, undrilled	6000 (19'8 $\frac{7}{32}$ ")	14691
		cut to size	14692





## Generous elegance – running strong

**Hardware system for all-glass sliding doors weighing up to 250 kg (550 lbs.)**

### Description

HAWA-Junior 250/G is a tough hardware system with a horizontal suspension profile for low installation heights. Tried and tested HAWA-Junior technology guarantees smooth running properties, durability and ease of operation for large-surface, all-glass sliding doors up to 250 kg (550 lbs.). The neutral, modest and clear-cut glass suspension and retainer profile has two compelling properties. Aesthetic appeal: the classic design blends into any environment – Safety: the interlocking glass retainer guarantees permanent user safety, even under heavy use. The profile's integrated suspension is a further advantage. The minimal distance between running track and retainer profile of 10 mm [ $\pm 5$  mm ( $\frac{7}{32}$ )] enables a low installation height and renders a cover unnecessary. The same glass suspension and retainer profile at the bottom in combination with a rattle-proof, two-point guide, a continuous floor track and/or a discretely integrated bar bolt lock for safe and comfortable operability.

### Applications

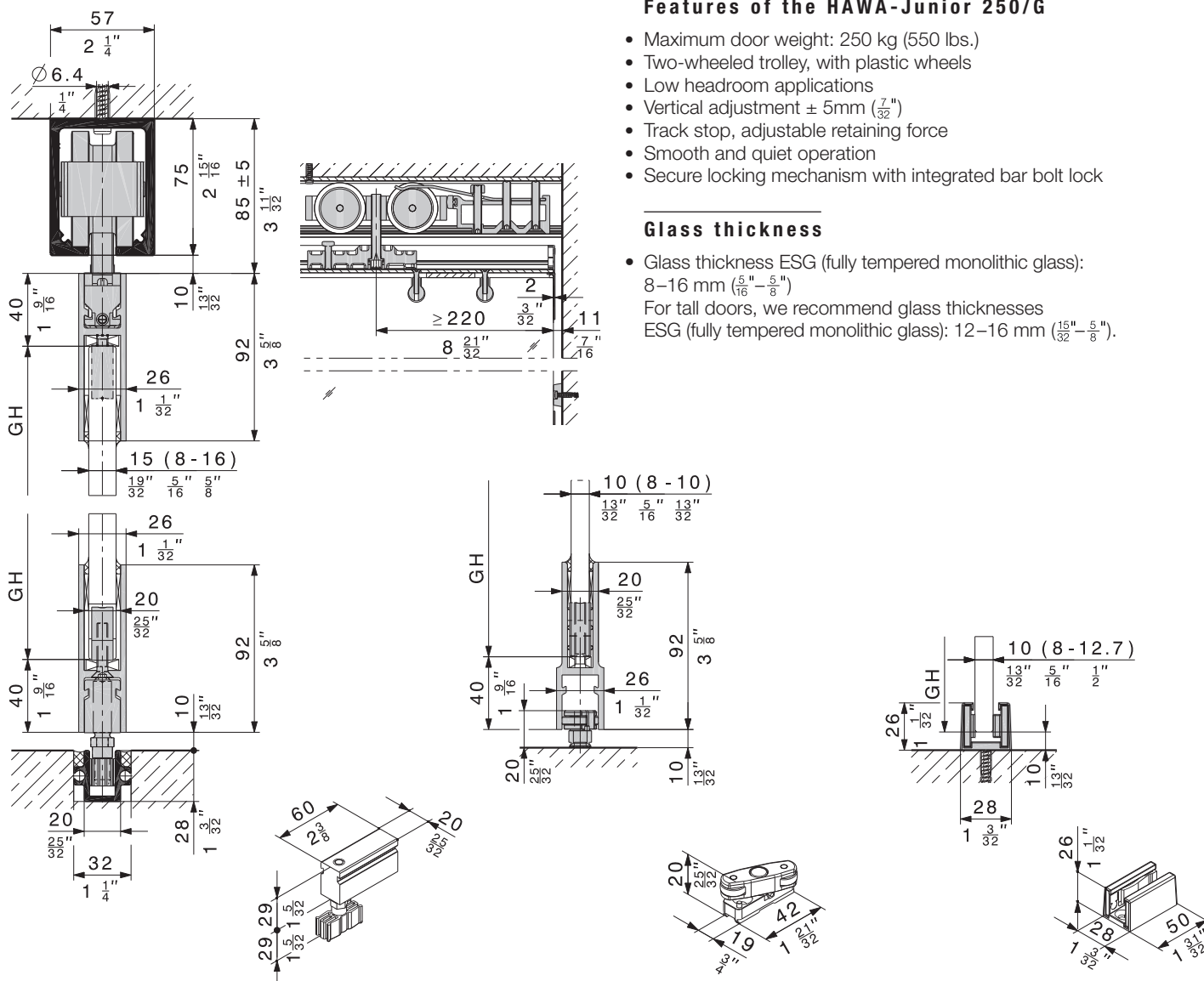
Wherever large door weights require a high degree of quality, smooth running and ease of operation – for instance in housing construction, the public building sector or in buildings for industry and administration.

### Features of the HAWA-Junior 250/G

- Maximum door weight: 250 kg (550 lbs.)
- Two-wheeled trolley, with plastic wheels
- Low headroom applications
- Vertical adjustment  $\pm 5$  mm ( $\frac{7}{32}$ )
- Track stop, adjustable retaining force
- Smooth and quiet operation
- Secure locking mechanism with integrated bar bolt lock

### Glass thickness

- Glass thickness ESG (fully tempered monolithic glass): 8–16 mm ( $\frac{5}{16}$ – $\frac{5}{8}$ )
- For tall doors, we recommend glass thicknesses ESG (fully tempered monolithic glass): 12–16 mm ( $\frac{15}{32}$ – $\frac{5}{8}$ ).

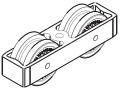


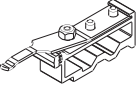




Subject to modification. Metric specifications are exact. Inches are approximate.

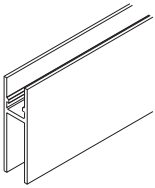

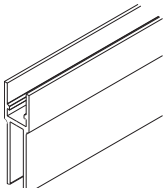

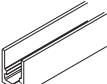
## Partial set, without running track

	code
HAWA-Junior 250/G, partial set for 1 single door	21738

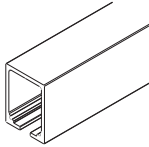

## Partial set comprising

		pieces	code
	Two-wheeled trolley, M12, with plastic wheels	2	20731
	Suspension plate, with hanger bolt M12 and fixing screw	2	21739
	Adjustment and fixing key for suspension assembly	1	10793
	Track stop, adjustable retaining force	2	20995
	Screw-on rubber door stop, 29 mm (1 1/8")	1	13114
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	2	20907

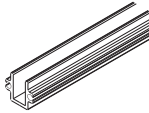

## Glass suspension/retainer profile

		mm/inch	code
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 16 mm (5/8")	6500 (21'3 3/32")	21783
		cut to size	21784
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 3/32")	13158
		cut to size	13159
	Cover cap for glass suspension/retainer profile 21783/21784/13158/13159, plastic anthracite-grey RAL 7016		21085
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 10 mm (3/8")	6500 (21'3 3/32")	21781
		cut to size	21782
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 10 mm (3/8")	6500 (21'3 3/32")	10348
		cut to size	10349
	Cover cap for glass suspension/retainer profile 21781/21782/10348/10349, plastic anthracite-grey RAL 7016		21512
	Multi purpose suspension and retainer profile, alu plain anodized, undrilled	6500 (21'3 3/32")	10345
		cut to size	12915



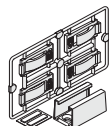


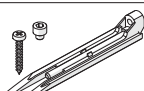

## Running tracks

Caution: Hole positions vary	mm/inch	code
	4000 (13'1 1/2")	20988
	6000 (19'8 1/2")	20612
	cut to size	20990
	Connecting pins for profiles, set of 2 pieces	21347

## Bottom guide channels

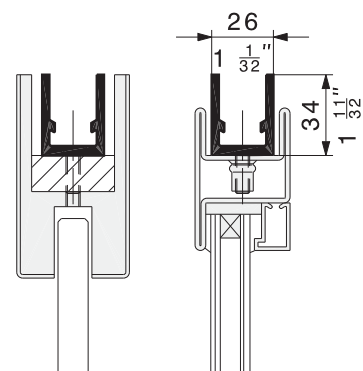
Caution: Hole positions vary	mm/inch	code
	6000 (19'8 1/2")	13688
	cut to size	13690
	Connecting bolt, Ø 6 x 40 mm (1/4" x 1 5/8")	13759

## Accessories



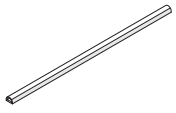
			code
	Guide with plastic slider, rattle proof, 14 mm ( $\frac{9}{16}$ ") and suspension block		13781
	Rattle-proof floor mounted guide, with wheels (surface mounted lock not possible)		24905
	Rattle-proof floor guide inc. self-adhesive sliders for satinised glass, glass thickness 8–12,7 mm ( $\frac{5}{16}$ – $\frac{1}{2}$ ")	dull chromium finish	16029
		stainless steel effect	21267
	Glass holder insert, plastic, with screw M6 x 30 mm ( $\frac{1}{4}$ " x $1\frac{3}{16}$ ")		10792
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016		20907
	HAWA-Assembly wedge for sliding doors running in the ceiling, set for 1 sliding door (details: → page 126)		15770
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

## Hawa-advantage

Hawa offers a suspension profile (12915) which permits the use of either a standard or a customised top-fixed glass suspension/retainer profile.

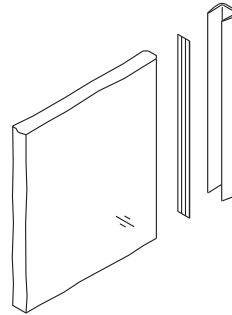


## Protective transparent edge trims

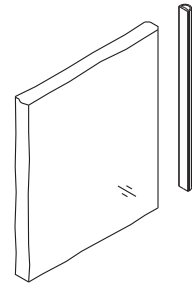
	Glass	mm/inch	code
	10 mm ( $\frac{13}{32}$ " )	3000 (9'10 $\frac{1}{8}$ " )	13822
		6000 (19'8 $\frac{7}{32}$ " )	13600
	12 mm ( $\frac{15}{16}$ " )	3000 (9'10 $\frac{1}{8}$ " )	13908
		6000 (19'8 $\frac{7}{32}$ " )	13907
	12,7 mm ( $\frac{1}{2}$ " )	3000 (9'10 $\frac{1}{8}$ " )	13912
		6000 (19'8 $\frac{7}{32}$ " )	13911
	Double-sided adhesive tape for protective edge trim	roll of 50 m (164' $\frac{1}{2}$ " )	13988
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ " ) glass thickness, black, glass distance 4 mm ( $\frac{5}{16}$ " )	5 m (16'4 $\frac{27}{32}$ " )	19442
		10 m (32'9 $\frac{23}{32}$ " )	19443
		50 m (164' $\frac{1}{2}$ " )	19444
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ " ) glass thickness, translucent, glass distance 4 mm ( $\frac{5}{16}$ " )	5 m (16'4 $\frac{27}{32}$ " )	19445
		10 m (32'9 $\frac{23}{32}$ " )	19446
		50 m (164' $\frac{1}{2}$ " )	19447

## Glass edge protection

A transparent glass edge protection profile and the self-adhesive rubber profile are recommended to protect vertical glass edges. The latter not only protects the glass edge, but also reduces draughts to a minimum.

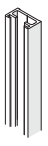

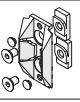



The glass edge protection profile is made of transparent plastic and is fitted to the glass edge with double-sided adhesive tape.



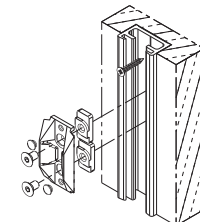
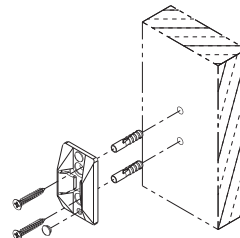
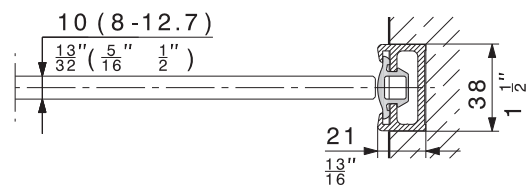
The self-adhesive rubber profile in black or translucent reduces draughts to a minimum and protects the glass edge.

## Wall connection profile

Caution: Minor differences in colour are possible		mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 $\frac{7}{16}$ " ) 17020
		stainless-steel effect, brushed	3500 (11'5 $\frac{13}{16}$ " ) 17021
		2500 (8'2 $\frac{7}{16}$ " )	20119
		3500 (11'5 $\frac{13}{16}$ " )	20120
	Seal profile, black, for wall profile	roll of 2500 (8'2 $\frac{7}{16}$ " )	16452
		roll of 3500 (11'5 $\frac{13}{16}$ " )	16453
	Centering assembly black for all glass sliding doors, to wall profile		18663
	Centering assembly grey for all glass sliding doors		18619

## Wall connection profile

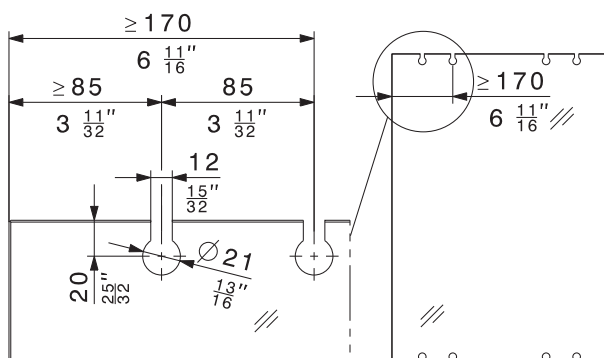
The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.



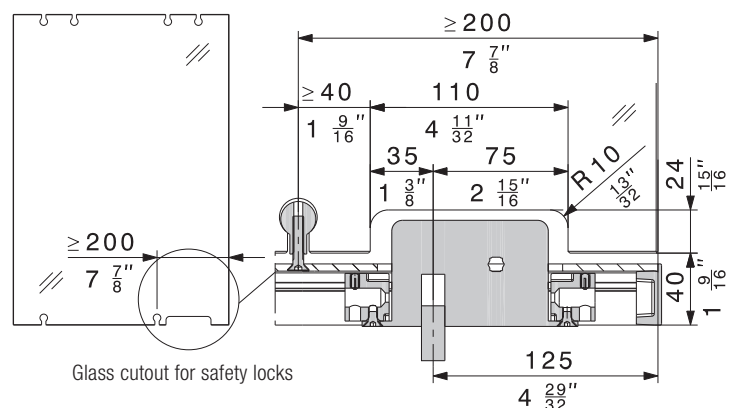
## Glass cutouts

The glass ESG (fully tempered monolithic glass) must be provided with cutouts for installation of the glass holder inserts and the safety locks.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8–16 mm ( $\frac{5}{16}$ " –  $\frac{5}{8}$ " ), thickness tolerance  $\pm 0,3$  mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ " ) in the glass cutout



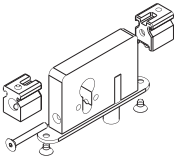
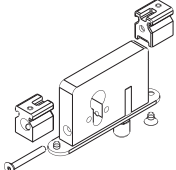





Glass cutout for glass holder



Glass cutout for safety locks

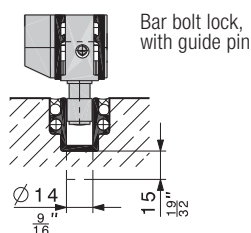
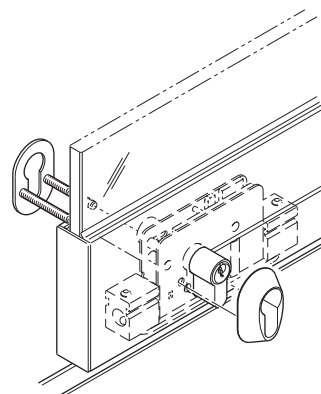
Subject to modification. Metric specifications are exact. Inches are approximate.

## Integrated locks

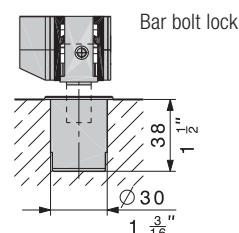
			code
	Bar bolt lock, with retention pin	profile cylinder 17 mm ( $\frac{11}{16}$ " )	16760
		round cylinder 22 mm ( $\frac{7}{8}$ " )	16761
		square/hexagon socket	16762
	Bar bolt lock, with guide pin and fixing parts	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18484
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18485
		square/hexagon socket	18486
	Security rose 16 mm ( $\frac{5}{8}$ " ), for double cylinder 17/61 mm ( $\frac{11}{16}$ " / $2\frac{33}{32}$ " ), chrome nickel steel		18502
	Spacer for security rose	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18493
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18494
	Floor-mounted sleeve with oblong hole and chromium-plated brass spring		13787
	Rosette for floor-mounted sleeve 13787		17326
	Strike plate, chromium-plated steel		13130

## Safety first

An integrated bar bolt lock compatible with the 17 mm ( $\frac{11}{16}$ " ) profile cylinder, 22 mm ( $\frac{7}{8}$ " ) round cylinder and square/hexagon socket is available for securing all-glass sliding doors.



Bar bolt lock, with guide pin



Bar bolt lock

## Cutouts

	code
Cutout, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for double cylinder	18489
Cutout left, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21331
Cutout right, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21332
Cutout, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for double cylinder	18490
Cutout left, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21333
Cutout right, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21334
Cutout, bar bolt lock, left, square/hexagon socket	18492
Cutout, bar bolt lock, right, square/hexagon socket	18491

## Services

Surface treatments are charged separately. Price on request.  
→ HAWA-Junior 80-120-160/G.

## Accessories

Accessories: → pages 120–129

## Order specifications

- Quantity of sets
- Type and length of running track
- Type and length of glass suspension/retainer profile
- Quantity of glass holder insert
- Length of bottom guide channel
- Type and quantity of bottom guides

## Optional order specifications

- Type and quantity of cover caps for suspension and retainer profile
- Type and quantity of bar bolt lock
- Accessories for bar bolt lock
- Type and quantity of wall connection profile
- Type and quantity of protective transparent edge profile

## Planning/installation

For planning and installation purposes, please use the installation drawing code 21737.
















(→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



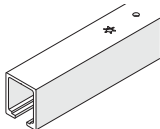
## Set for double sliding doors

	code
HAWA-Telescopic 80/G, set for double sliding doors	25659


## Set comprising

		pieces	code
	Two-wheeled trolley, M10, with plastic wheels	4	10407
	Suspension plate with hanger bolt M10 and fixing screw	4	14543
	Track stop, adjustable retaining force	2	24497
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	8	20907
	Glass holder insert, plastic, with screw M6 x 30 mm (1/4" x 1 3/16")	8	10792
	Guide pulley wheel, with fixing plate, long	1	20139
	Guide pulley wheel, with fixing plate, short	1	20140
	Driver, wide	1	20141
	Toothed belt black, fibre glass reinforced 2,7 m (8'10 5/16")	1	20208
	Toothed belt fixing device for ceiling/wall mounting, complete	1	20732
	Driver counter-plate, wide	1	20246
	Suspension plate	3	21262
	Screw-on rubber door stop	1	10629
	Rattle-proof floor mounted guide, with wheels, complete	1	24906
	Rattle-proof floor mounted guide, with wheels (surface mounted lock not possible)	1	24905

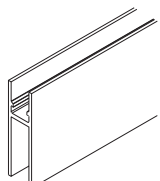

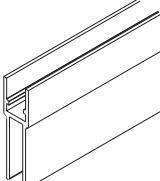

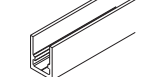
## Running tracks

Caution: Hole positions vary	mm/inch	code
	1400 (4'7 1/8")	10189
	1600 (5'3")	10190
	1800 (5'10 7/8")	10191
	2000 (6'6 3/4")	10192
	2200 (7'2 5/8")	10193
	2500 (8'2 7/16")	10194
	3000 (9'10 1/8")	18532
	4000 (13'1 1/2")	18533
	6000 (19'8 7/8")	10186
	cut to size	10188

## Cover caps for running track

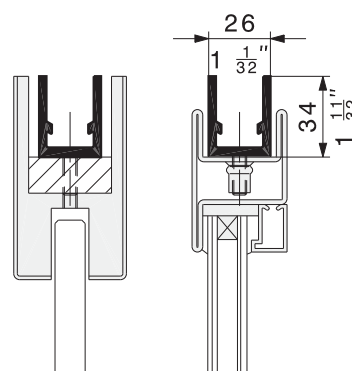
		code
	Cover cap for running track, metal, suitable to both sides, dull, chromium finish, 1 piece	HAWA-Junior 80 24956

## Glass suspension/retainer profile

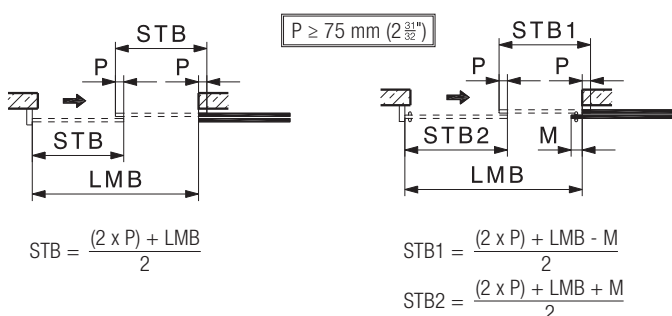
		mm/inch	code
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	21783
		cut to size	21784
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	13158
		cut to size	13159
	Cover cap for glass suspension/retainer profile 21783/21784/13158/13159, plastic anthracite-grey RAL 7016		21085
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	21781
		cut to size	21782
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	10348
		cut to size	10349
	Cover cap for glass suspension/retainer profile 21781/21782/10348/10349, plastic anthracite-grey RAL 7016		21512
	Multi purpose suspension and retainer profile, alu plain anodized, undrilled	6500 (21'3 29/32")	10345
		cut to size	12915

## Hawa-advantage



Hawa offers a suspension profile (12915) which permits the use of either a standard or a customised top-fixed glass suspension/retainer profile.





## Calculation for sliding door width







### Bottom guide channels

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 $\frac{1}{32}$ " x 1 $\frac{1}{8}$ ")	6000 mm (19'8 $\frac{1}{32}$ ")	13688
		cut to size	13690
	Connecting bolt, Ø 6 x 40 mm ( $\frac{1}{4}$ " x 1 $\frac{19}{32}$ ")		13759

### Accessories for fixed glass

		code
	Top-fixing plate set for fixed glass, with hanger bolt M12	14687
	Bottom profile, alu plain anodized, undrilled	14692

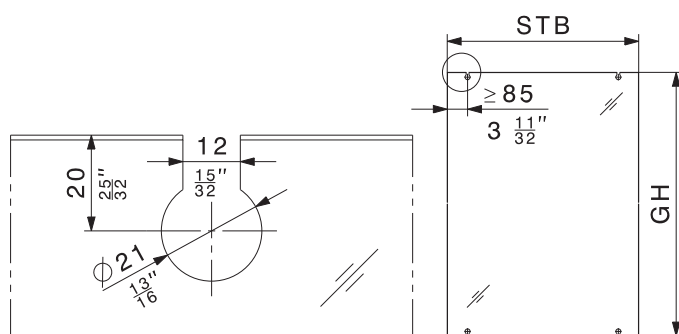
## Wall connection profile

Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	17020
		anodized	3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	17021
		stainless- steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	20120
	Seal profile, black, for wall profile		roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	16452
			roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

## Glass cutouts






The glass ESG (fully tempered monolithic glass) must be provided with cutouts for installation of the glass holder inserts and the safety locks.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8–16 mm ( $\frac{5}{16}$ "– $\frac{5}{8}$ " ), thickness tolerance  $\pm 0,3$  mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ " ) in the glass cutout



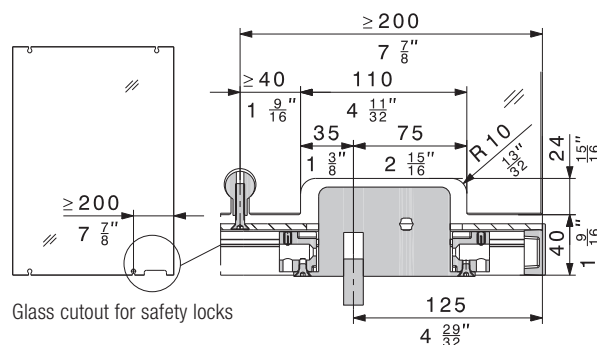
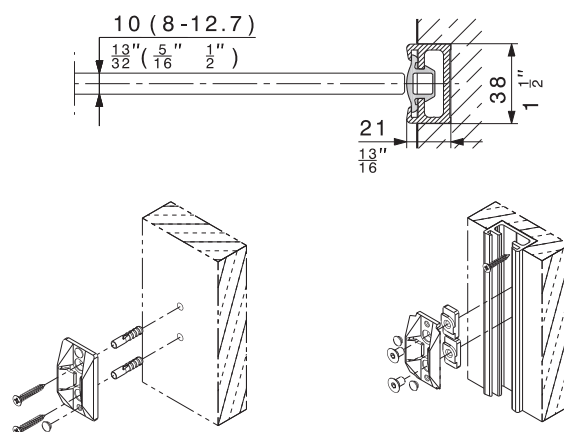
Glass cutout for glass holder

## Accessories

		code
	Guide with plastic slider, rattle proof, 14 mm ( $\frac{9}{16}$ ") and suspension block	13781
	Rattle-proof floor mounted guide, with wheels (surface mounted lock not possible)	24905
	Glass holder insert, plastic, with screw M6 x 30 mm ( $\frac{1}{4}$ " x $1\frac{3}{16}$ ")	10792
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	20907
	Bottom door stop with centering assembly	dull chromium finish
		stainless steel effect

### Wall connection profile

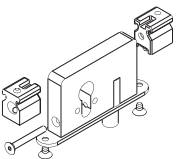
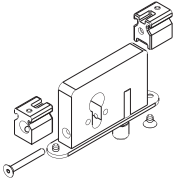





The ideal wall connection profile for all-glass sliding doors with unprotected glass edges.



Glass cutout for safety locks

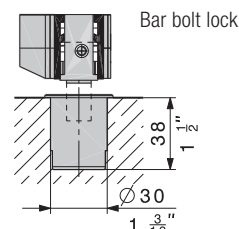
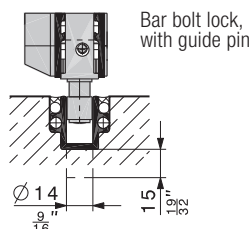
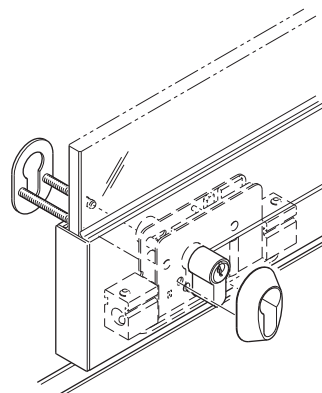
Subject to modification. Metric specifications are exact. Inches are approximate.

## Integrated locks

			code
	Bar bolt lock, with retention pin	profile cylinder 17 mm ( $\frac{11}{16}$ " )	16760
		round cylinder 22 mm ( $\frac{7}{8}$ " )	16761
		square/hexagon socket	16762
	Bar bolt lock, with guide pin and fixing parts	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18484
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18485
		square/hexagon socket	18486
	Security rose 16 mm ( $\frac{5}{8}$ " ), for double cylinder 17/61 mm ( $\frac{11}{16}$ " / $2\frac{33}{32}$ " ), chrome nickel steel		18502
	Spacer for security rose	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18493
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18494
	Floor-mounted sleeve with oblong hole and chromium-plated brass spring		13787
	Rosette for floor-mounted sleeve 13787		17326
	Strike plate, chromium-plated steel		13130

## Safety first

An integrated bar bolt lock compatible with the 17 mm ( $\frac{11}{16}$ " ) profile cylinder, 22 mm ( $\frac{7}{8}$ " ) round cylinder and square/hexagon socket is available for securing all-glass sliding doors. The HAWA-Toplock all-glass sliding door lock is available for convenient locking at handle height. Details: → HAWA-Toplock.



## Cutouts

	code
Cutout, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for double cylinder	18489
Cutout left, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21331
Cutout right, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21332
Cutout, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for double cylinder	18490
Cutout left, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21333
Cutout right, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21334
Cutout, bar bolt lock, left, square/hexagon socket	18492
Cutout, bar bolt lock, right, square/hexagon socket	18491

## Services

Surface treatments are charged separately. Price on request.  
→ HAWA-Junior 80-120-160/G.

## Accessories

Accessories: → pages 120–129

## Order specifications

- Quantity of sets
- Length of running track
- Type and length of glass suspension/retainer profile
- Type and quantity of bottom guides

## Optional order specifications

- Length of bottom guide channel
- Type and quantity of bar bolt lock
- Accessories for bar bolt lock
- Type and quantity of wall connection profile
- Quantity of cover caps to running track

## Order specifications fixed glass

- Type and quantity of accessories to fixed glass
- Type and length of glass suspension/retainer profile

## Optional order specification fixed glass

- Type and quantity of cover caps to glass suspension/retainer profile

## Planning/installation

For planning and installation purposes, please use the installation drawing code 21963.

(→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

**Hardware system for two all-glass sliding doors weighing up to 80 kg (176 lbs.), opening simultaneously to the left and right.**

## Description

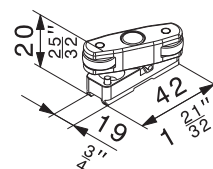
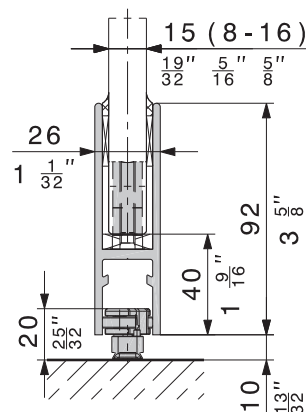
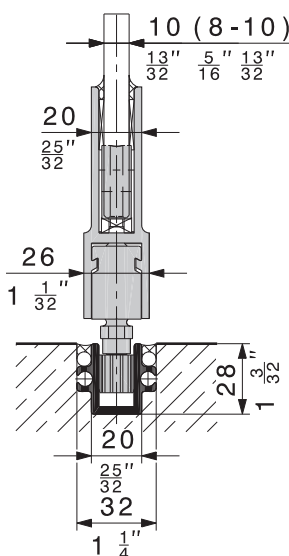
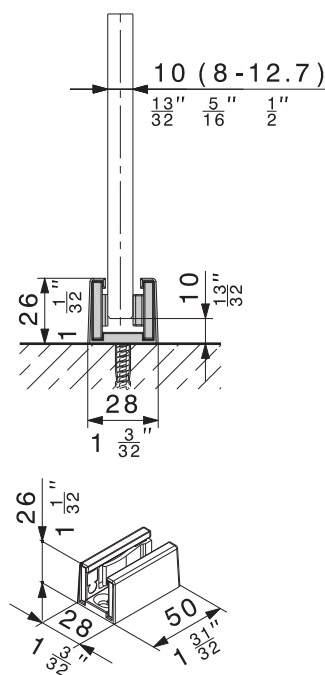
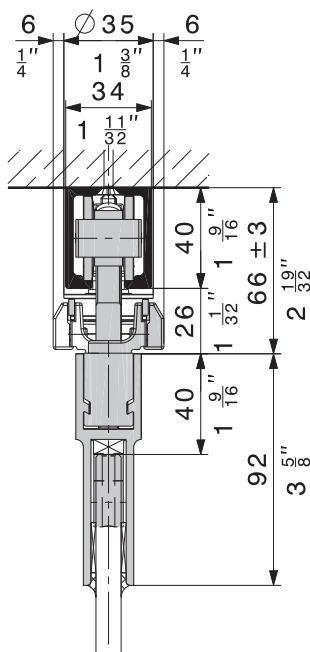
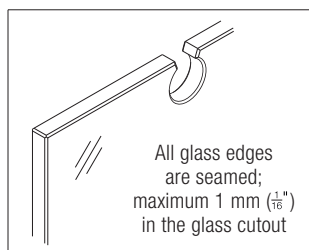
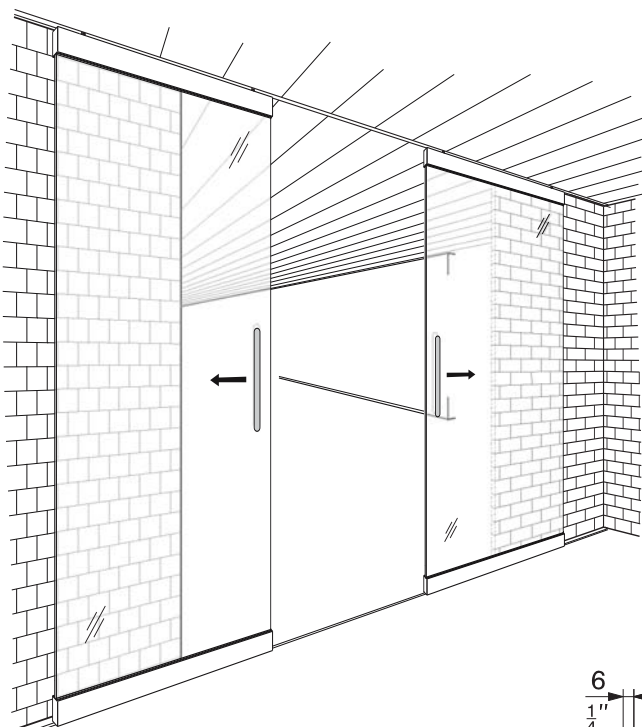
HAWA-Symmetric 80/G offers additional operating comfort, since with this hardware system it is possible to simultaneously open or close two all-glass sliding doors weighing up to 80 kg (176 lbs.).

## Applications

This hardware system is suitable for use wherever there is a need for smooth and quiet operation, and simultaneous opening and closing of two all-glass sliding doors represents a solution to space problems, e.g. in offices, living rooms, kitchens, bathrooms, etc.

## Features of the HAWA-Symmetric 80/G

- Offers the top quality of HAWA-Junior 80/G products
- Symmetrical opening and closing of two all-glass sliding doors












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

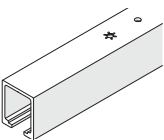
## Partial set for double sliding doors

	code
HAWA-Symmetric 80/G	14557


## Partial set comprising

		pieces	code
	Two-wheeled trolley, M10, with plastic wheels	4	10407
	Suspension plate with hanger bolt M10 and fixing screw	4	14543
	Track stop, adjustable retaining force	1	24497
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016	4	20907
	Screw-on rubber door stop	2	10629
	Suspension assembly locking wrench	1	10778
	Pulley wheel	2	15788
	Clamp for toothed belt	2	15790
	Toothed belt, roll of 10 m (32'9 3/8"), for 2 sliding doors of max. width 1200 mm (3'11 1/4") each	1	15712
With door widths greater than 1200 mm (3'11 1/4"), an additional toothed belt needs to be ordered. Toothed belts can be bound together in the clamp unit.			

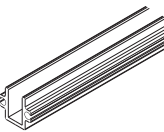

## Running tracks

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain anodized, predrilled	2000 (6'6 3/4")	10192
		2200 (7'2 5/8")	10193
		2500 (8'2 7/16")	10194
		3000 (9'10 1/8")	18532
		4000 (13'1 1/2")	18533
		6000 (19'8 3/8")	10186
		cut to size	10188

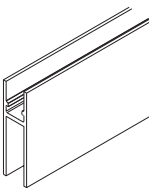

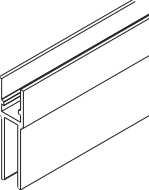

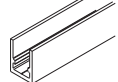
## Cover caps to running track

	code
	24956



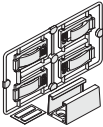


## Bottom guide channels

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 1/8" x 1 1/8")	6000 (19'8 3/8")	13688
		cut to size	13690
	Connecting bolt, stainless steel Ø 6 x 40 mm (1/4" x 1 9/16")		13759

## Glass suspension/retainer profile

		mm/inch	code
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	21783
		cut to size	21784
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	13158
		cut to size	13159
	Cover cap for glass suspension/retainer profile 21783/21784/13158/13159, plastic anthracite-grey RAL 7016		21085
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	21781
		cut to size	21782
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	10348
		cut to size	10349
	Cover cap for glass suspension/retainer profile 21781/21782/10348/10349, plastic anthracite-grey RAL 7016		21512
	Multi purpose suspension and retainer profile, alu plain anodized, undrilled	6500 (21'3 29/32")	10345
		cut to size	12915

## Accessories / Bottom door stop

		code	
	Guide with plastic slider, rattle proof, 14 mm ( $\frac{9}{16}$ ") and suspension block	13781	
	Rattle-proof floor mounted guide, with wheels (surface mounted lock not possible)	24905	
	Rattle-proof floor guide inc. self-adhesive sliders for satinised glass, glass thickness 8–12,7 mm ( $\frac{5}{16}$ " – $\frac{1}{2}$ ")	dull chromium finish	16029
		stainless steel effect	21267
	Glass holder insert, plastic, with screw M6 x 30 mm ( $\frac{1}{4}$ " x $1\frac{3}{16}$ ")		10792
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

## Order specifications

- Quantity of partial sets
- Length of running track
- Width and height of glass
- Thickness of glass
- Quantity and type of additional covering caps
- Quantity and type of bottom guides
- Length of bottom guide channel
- Type of protective edge profile

## Fixed glass/Integrated locks/Accessories

- Fixed glass: → page 61
- Integrated locks: → HAWA-Junior 80-120-160/G
- Accessories: → pages 120–129
- Bottom door stop: → page 127

## Planning/installation

For planning and installation purposes, please use the following installation drawing code 14556.  
(→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

**Hardware system for elegant heavy-weight all-glass sliding doors weighing up to 250 kg (550 lbs.).**

## Description

The HAWA-Super 250/G is a hardware system for heavy-weight all-glass sliding doors, and has been used with a great deal of success for many years. Its top-fixed suspension and glass retainer can also be used for fixed glass panels and doors installed between fixed components, and thus offer ideal pre requisites for a uniform complete solution.

## Applications

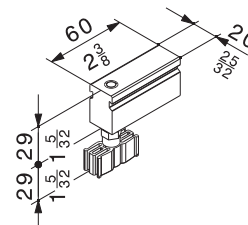
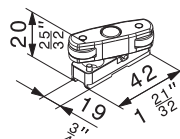
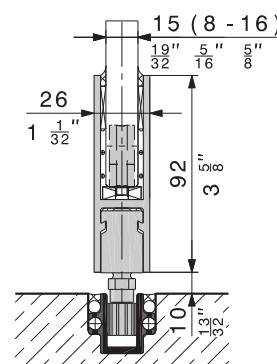
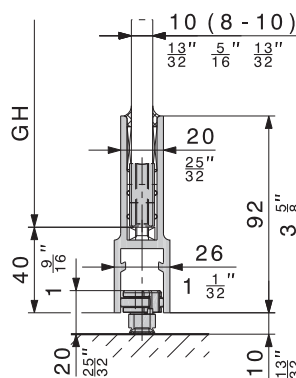
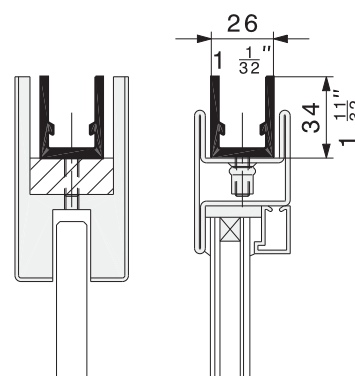
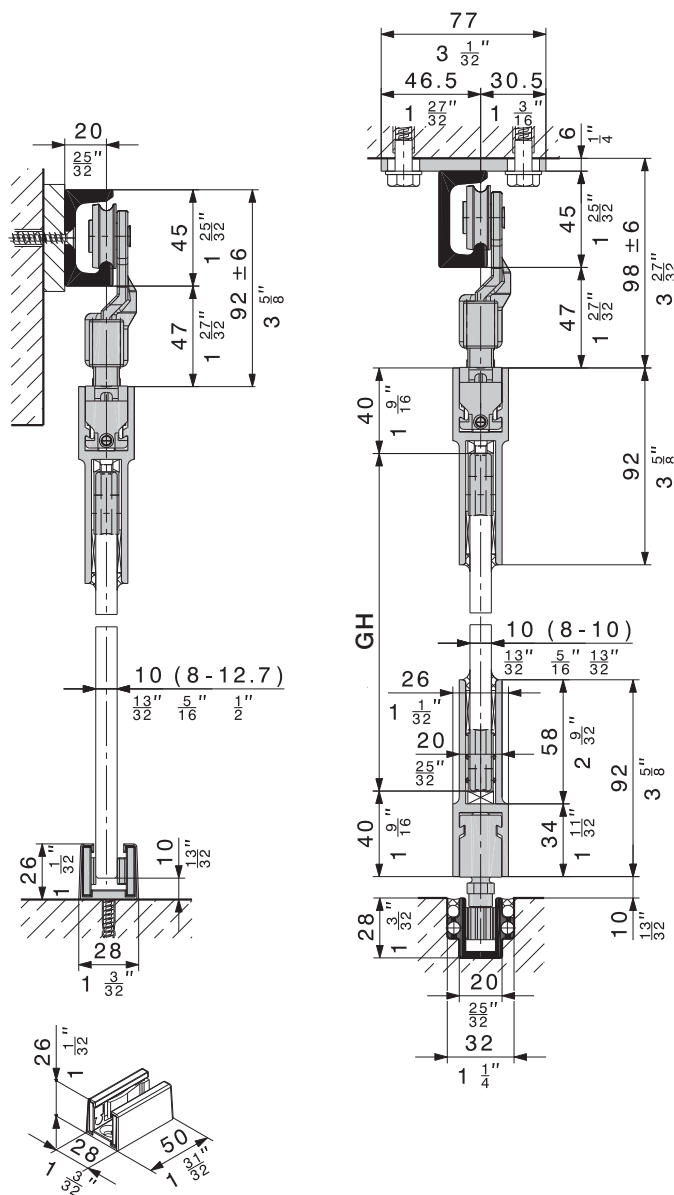
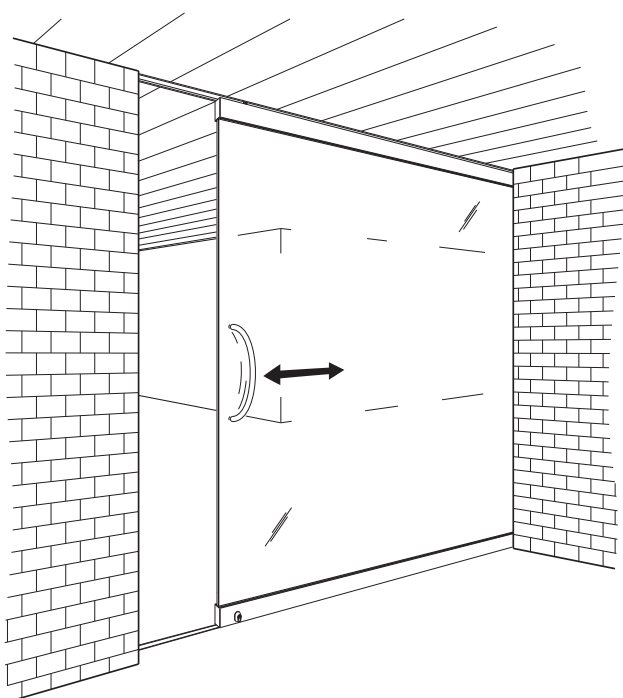
This hardware system is suitable for use wherever heavyweight doors call for a high degree of quality and precision, e.g. in public buildings, industrial premises and the administrative sector.

## Features of the HAWA-Super 250/G

- Two-wheeled trolley with steel wheels
- Stainless steel running tracks WNR 1.4301/AISI 304
- Minimum axis radius, 1000 mm (3'3 <sup>3</sup>/<sub>8</sub>" )
- Smooth and quiet operation
- Vertical adjustment







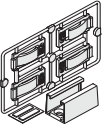

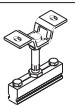

## HAWA-advantage

Hawa offers a special suspension profile which permits the use of either a standard or a customised top-fixed suspension and glass retainer.

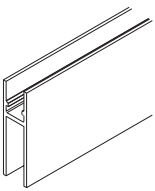
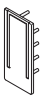
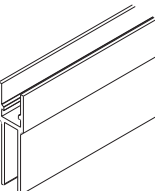

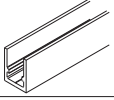



Subject to modification. Metric specifications are exact. Inches are approximate.

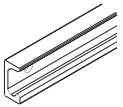
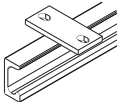
## Accessories

		code
	Two-wheeled trolley, M12, with steel wheels	13495
	Suspension plate, with hanger bolt M12	13415
	Track stop, galvanized steel, to be drilled into the track	10595
	Screw-on rubber door stop	13114
	Guide with plastic slider, rattle proof, 14 mm (5/8") and suspension block	13781
	Rattle-proof floor mounted guide, with wheels (surface mounted lock not possible)	24905
	dull chromium finish	16029
	stainless steel effect	21267
	Glass holder insert, plastic, with screw M6 x 30 mm (1/4" x 1 1/8")	10792
	Top fixing plate for stationary glass, with hanger bolt M12	14688
	dull chromium finish	20773
	stainless steel effect	21473

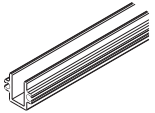

## Glass suspension/retainer profile

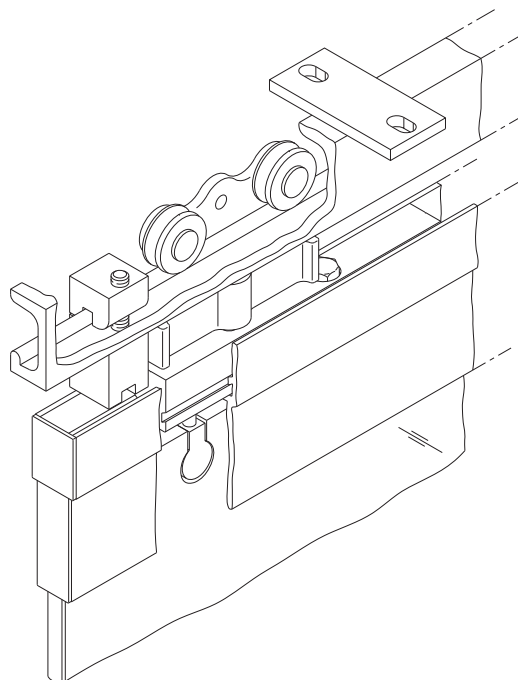
		mm/inch	code
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	21783
	cut to size		21784
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 29/32")	13158
	cut to size		13159
	Cover cap for glass suspension/retainer profile 21783/21784/13158/13159, plastic anthracite-grey RAL 7016		21085
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	21781
	cut to size		21782
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 10 mm (13/32")	6500 (21'3 29/32")	10348
	cut to size		10349
	Cover cap for glass suspension/retainer profile 21781/21782/10348/10349, plastic anthracite-grey RAL 7016		21512
	Multi purpose suspension and retainer profile, alu plain anodized, undrilled	6500 (21'3 29/32")	10345
	cut to size		12915
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016		20907

## Running tracks

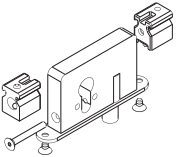
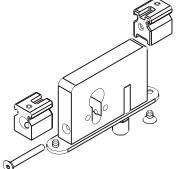
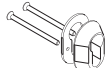




Caution: Hole positions vary			mm/inch	code
	Single running track, stainless steel WNR 1.4301/AISI 304	side-drilled	6000 (19'8 7/32")	18033
			cut to size	18034
	Single running track, stainless steel WNR 1.4301/AISI 304	top-mounting flanges	6000 (19'8 7/32")	18035
			cut to size	18036

## Bottom guide channels

Caution: Hole positions vary			mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 1/8" x 1 1/8")		6000 (19'8 7/32")	13688
			cut to size	13690
	Connecting bolt, Ø 6 x 40 mm (1/4" x 1 5/8")			13759





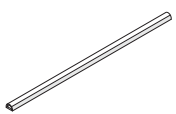
## Integrated locks

			code
	Bar bolt lock, with retention pin	profile cylinder 17 mm ( $\frac{11}{16}$ "	16760
		round cylinder 22 mm ( $\frac{7}{8}$ "	16761
		square/hexagon socket	16762
	Bar bolt lock, with guide pin and fixing parts	profile cylinder 17 mm ( $\frac{11}{16}$ "	18484
		round cylinder 22 mm ( $\frac{7}{8}$ "	18485
		square/hexagon socket	18486
	Security rose 16 mm ( $\frac{5}{8}$ "	for double cylinder 17/61 mm ( $\frac{11}{16}$ "/ $2\frac{33}{64}$ "	18502
	Spacer for security rose	profile cylinder 17 mm ( $\frac{11}{16}$ "	18493
		round cylinder 22 mm ( $\frac{7}{8}$ "	18494
	Floor-mounted sleeve with oblong hole and chromium-plated brass spring		13787
	Rosette for floor-mounted sleeve 13787		17326
	Strike plate, chromium-plated steel		13130

## Glass edge protection

A transparent glass edge protection profile and the self-adhesive rubber profile are recommended to protect vertical glass edges. The latter not only protects the glass edge, but also reduces draughts to a minimum.

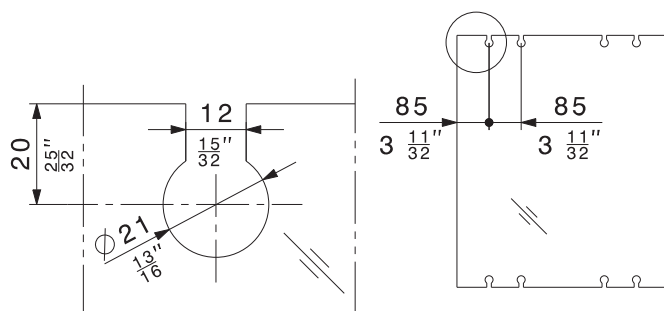
## Protective transparent edge trims

	Glass	mm/inch	code
	10 mm ( $\frac{13}{32}$ "	3000 (9'10 $\frac{1}{8}$ "	13822
		6000 (19'8 $\frac{1}{32}$ "	13600
	12 mm ( $\frac{15}{32}$ "	3000 (9'10 $\frac{1}{8}$ "	13908
		6000 (19'8 $\frac{7}{32}$ "	13907
	12,7 mm ( $\frac{1}{2}$ "	3000 (9'10 $\frac{1}{8}$ "	13912
		6000 (19'8 $\frac{7}{32}$ "	13911
	Double-sided adhesive tape for protective edge trim	roll 50 m (164' $\frac{1}{2}$ "	13988
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{3}{8}$ " glass thickness, black, glass distance 4 mm ( $\frac{5}{32}$ "	5 m (16'4 $\frac{27}{32}$ "	19442
		10 m (32'9 $\frac{23}{32}$ "	19443
		50 m (164' $\frac{1}{2}$ "	19444
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{3}{8}$ " glass thickness, translucent, glass distance 4 mm ( $\frac{5}{32}$ "	5 m (16'4 $\frac{27}{32}$ "	19445
		10 m (32'9 $\frac{23}{32}$ "	19446
		50 m (164' $\frac{1}{2}$ "	19447

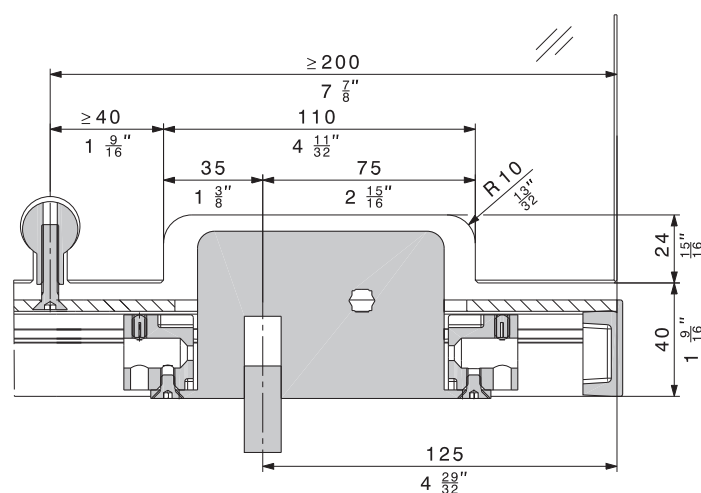
## Glass cutouts

The glass ESG (fully tempered monolithic glass) must be provided with cutouts for installation of the glass holder inserts and the safety locks.

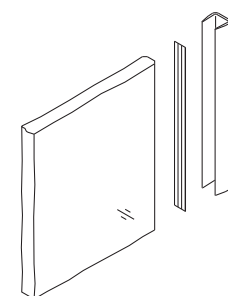
- Glass thickness sliding door ESG (fully tempered monolithic glass): 8–16 mm ( $\frac{5}{16}$ "– $\frac{5}{8}$ "
- thickness tolerance  $\pm 0,3$  mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout



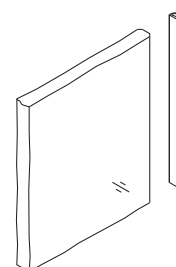
Glass cutout for glass holder



Glass cutout for safety locks



The glass edge protection profile is made of transparent plastic and is fitted to the glass edge with double-sided adhesive tape.



The self-adhesive rubber profile in black or translucent reduces draughts to a minimum and protects the glass edge.

## Cutouts

	code
Cutout, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for double cylinder	18489
Cutout left, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21331
Cutout right, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21332
Cutout, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for double cylinder	18490
Cutout left, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21333
Cutout right, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21334
Cutout, bar bolt lock, left, square/hexagon socket	18492
Cutout, bar bolt lock, right, square/hexagon socket	18491

## Surface treatments

	code
Basic treatment fee to surface treatment, lump sum per colour	16741
Powder-coated to RAL code	14163
Plain anodized, polished, brushed	14626
Stainless-steel effect, hard anodized, brushed, polished, mat finish	14378
Chrome effect, polished finish	14630
Stainless-steel effect, nickel-plated, brushed, mirror finish	14631

## Services

Surface treatments are charged separately. Price on request.
--

## Order specifications

- Quantity of sliding doors
- Type and length of running track
- Width and height of glass
- Thickness of glass
- Quantity and type of covering caps
- Type of bottom guide
- Length of bottom guide channel
- Type of surface-mounted lock
- Type of protective transparent edge trim

## Planning/installation

For planning and installation purposes, please use the installation drawing code 18198. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Hardware system for all-glass folding walls with panels weighing up to 80 kg (176 lbs.)

### 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

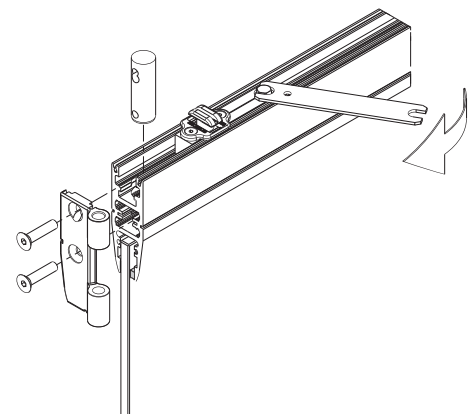
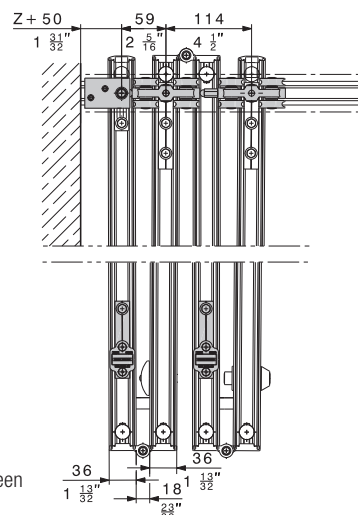
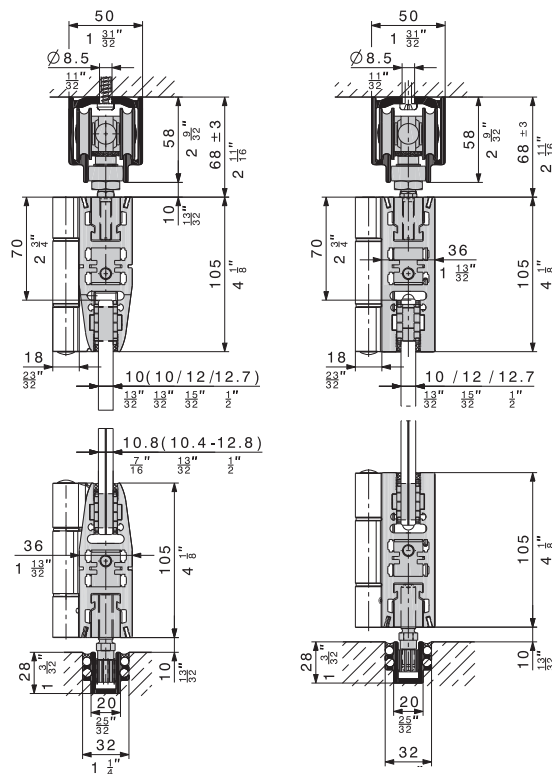
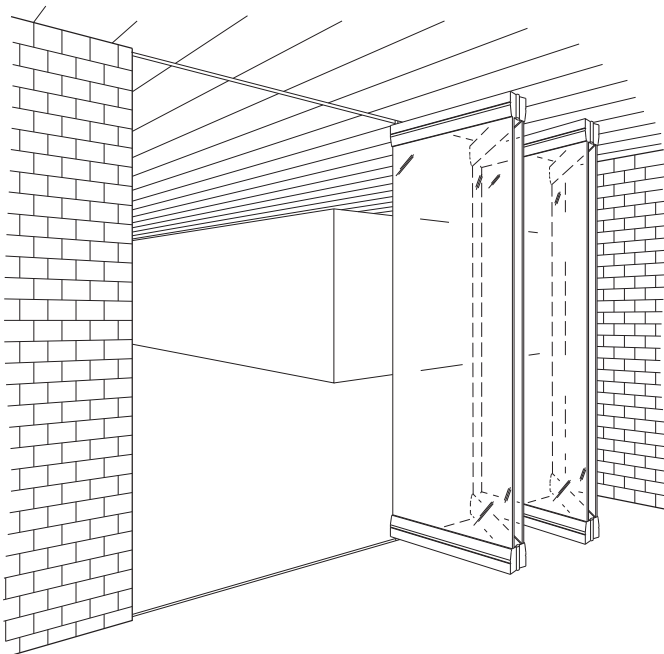
This hardware system is ideal for use wherever a room needs to be divided using a high-quality glass folding wall that is also simple to operate, e.g. in shopping centres, airports, hotels, restaurants, banks, etc.

### 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  $\pm 3$  mm ( $\pm \frac{1}{8}$ " )
- Elegant design
- Secure locking mechanism
- Extremely smooth and silent operation
- Minimal space requirement in stacking area
- Glass thickness fixed glass  
ESG (fully tempered monolithic glass): 10/12/12,7 mm ( $\frac{13}{32}/\frac{15}{32}/\frac{1}{2}$ " )  
VSG (fully tempered laminated glass): 10,8–13 mm ( $\frac{7}{16}$ – $\frac{17}{32}$ " )







### 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.

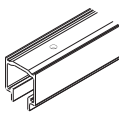
## Partial sets without running track and bottom guide channel

		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
HAWA-Variofold installations must be equipped with bottom guide channels, except sets 16780 and 16781.		

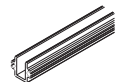
## Partial sets comprising

		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

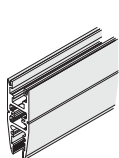
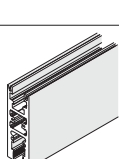
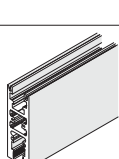
## Running tracks

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

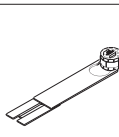
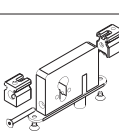
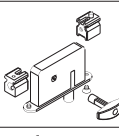
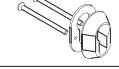

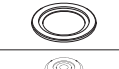
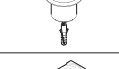
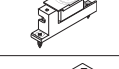

## Bottom guide channels

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





## Glass suspension and retainer profiles

		mm/inch	code
	Glass suspension retainer profile, alu plain anodized, brushed	6500 (21'3 $\frac{31}{32}$ ")	16669
		cut to size	19868
	Glass suspension retainer profile, alu, unanodized	6500 (21'3 $\frac{31}{32}$ ")	13576
		cut to size	13681
	Glass suspension retainer profile, alu plain anodized, brushed (straight profile)	6500 (21'3 $\frac{31}{32}$ ")	23440
		cut to size	23443






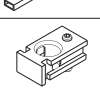

## Components

			code
	Set of glass-fixing parts, for 1 sliding door (4 pieces)	ESG <sup>1</sup> 10 mm ( $\frac{13}{32}$ ")	13900
		ESG <sup>1</sup> 12 mm ( $\frac{15}{32}$ ")	13901
		ESG <sup>1</sup> 12,7 mm ( $\frac{1}{2}$ ")	13902
		VSG <sup>2</sup> 2 x 5 mm (2 x $\frac{7}{32}$ ")	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, Inox, for fitting into bottom guide channel		22299
	Strike plate, chromium-plated steel		13130

## Components

			code
	Hinge, zinc alloy, with fixing screws	dull chromium finish	16091
		raw	16088
	Hinge, zinc alloy, with fixing screws (straight profile)	dull chromium finish	25976
	Cover caps, zinc alloy, set of 4 pieces	dull chromium finish	16692
		raw	16693
	Cover caps, zinc alloy, set of 4 pieces (straight profile)	dull chromium finish	25982

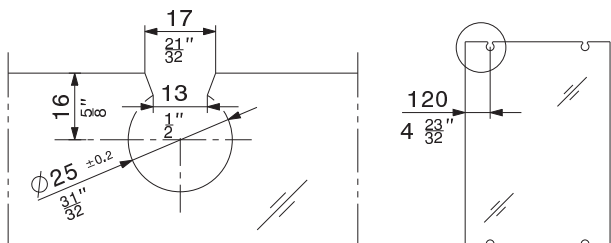
## Accessories

			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 1/16")		14164
	Long connecting rod for door height over 2500 mm (8'2 7/16")		14165
" data-bbox="91 538 148 581"/>	Brush seal 2,6/18 x 920 mm (5/16"/>" data-bbox="91 538 148 581"/>		16797
	Fork spanner to glass holder insert		13817
	Installation tool for blocking keys 10-12,7 mm (3/16"-1/2") glass		13710
	Drilling jig, for hinge retention bolts		16979

## Glass cutouts for sliding door

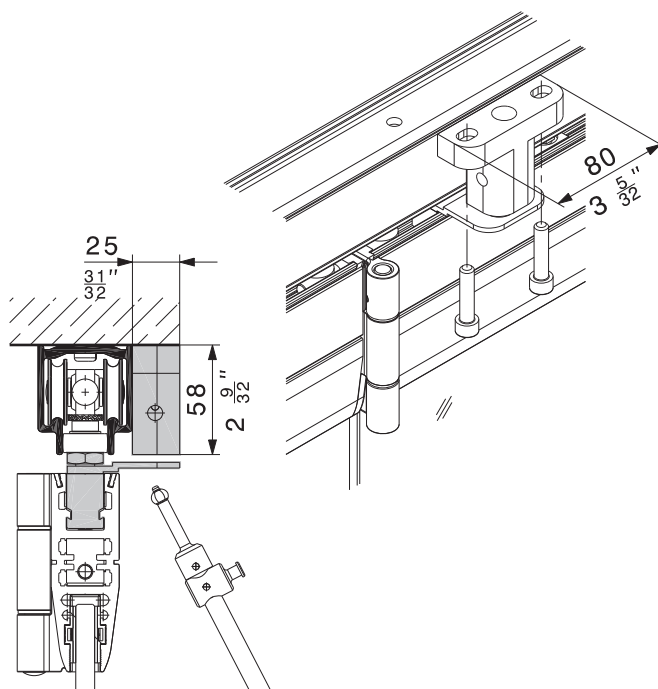
Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/10/12/12,7 mm (5/16"/" data-bbox="53 740 485 837">



## 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 running 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

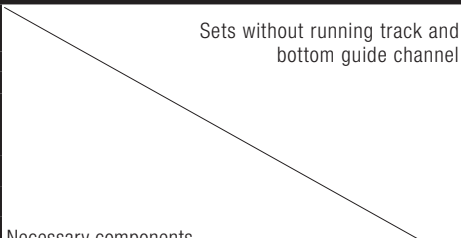






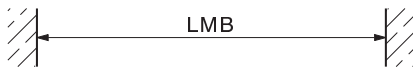
## Planning/installation

For planning and installation purposes, please use the installation drawing code 16824. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

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

**Maximum panel width 900 mm (2'11 <sup>11</sup>/<sub>16</sub>" ), 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 44 787 17 18)**

Sets without running 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	Variofold installations must be equipped with bottom guide channels, except nos. 16780 and 16781.					
Glass thickness/glass attachment components						
<input type="checkbox"/> 10 mm ( <sup>3</sup> / <sub>8</sub> " ) <input type="checkbox"/> 12 mm ( <sup>1</sup> / <sub>2</sub> " ) <input type="checkbox"/> 12,7 mm ( <sup>1</sup> / <sub>2</sub> " ) 13900                      13901                      13902	2	3	4	5	6	7
Lock for access						
<input type="checkbox"/> cyl. 17 mm ( <sup>11</sup> / <sub>16</sub> " ) <input type="checkbox"/> cyl. 22 mm ( <sup>7</sup> / <sub>8</sub> " ) <input type="checkbox"/> 4/6-sided nut 16760                      16761                      16968	2	1	1	1	1	1
Security rose						
<input type="checkbox"/> cyl. 17 mm ( <sup>11</sup> / <sub>16</sub> " ) Security rose for standard 14147                      profile cylinders 22 mm ( <sup>7</sup> / <sub>8</sub> " )	2	1	1	1	1	1
Locking device						
<input type="checkbox"/> floor-mounted sleeve <input type="checkbox"/> strike plate 13787                      13130	2	3	–	–	–	–
Hinge						
<input type="checkbox"/> dull chromium finish <input type="checkbox"/> raw 16091/25976                      16088	2	2	6	6	10	10
Thrust bearing						
<input type="checkbox"/> Thrust bearing <input type="checkbox"/> Thrust bearing, adjust. 16326                      22299	1	2	1	2	1	2
Cover caps, set of 4 pieces						
<input type="checkbox"/> dull chromium finish <input type="checkbox"/> raw 16692/25982                      16693	1	2	1	2	1	2
Clear dimension..... mm						

## Optional accessories

<input type="checkbox"/> Additional lock at top 16491	1	2	2	3	3	4
Connecting rod, for door height						
<input type="checkbox"/> up to 2500 mm (8'2 <sup>7</sup> / <sub>16</sub> " ) <input type="checkbox"/> over 2500 mm (8'2 <sup>7</sup> / <sub>16</sub> " ) 14164                      14165	1	1	1	1	1	1
<input type="checkbox"/> Brush seal 2,6/18 x 920 mm ( <sup>1</sup> / <sub>8</sub> " / <sup>3</sup> / <sub>8</sub> " x 3' <sup>7</sup> / <sub>16</sub> " ) 16797	4	6	8	10	12	14
Tools for glazing						
<input type="checkbox"/> Forkspanner <input type="checkbox"/> Installation tool 13817                      13710	1	1	1	1	1	1
<input type="checkbox"/> Drilling jig, for hinge retention bolts 16979	1	1	1	1	1	1
Surface treatment of suspension and glass retainer profiles (16741, basic treatment fee to surface treatment, lump sumper colour)	<input type="checkbox"/> 14163 Powder-coatet 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 .....**

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

**Hardware system for all-glass concertina walls up to 80 kg (176 lbs.).**

## Description

With all-glass concertina-wall installations, the suspension point is in the centre of the panel, which means that up to 6 ½ panels may be installed without the need for a bottom guide. An access door equipped with our top pivot may also be added on the opposite side to the folding stack. All mechanisms, suspension devices, guides and locks are fully integrated into highly attractive suspension and glass retainer profiles, and our newly developed hinge is installed on the side of the profile. The suspension and glass retainer profiles 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. Our documentation simplifies the task of planning such systems, and installation is also simple and convenient.

## Applications

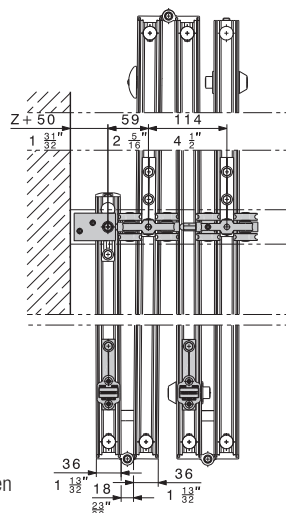
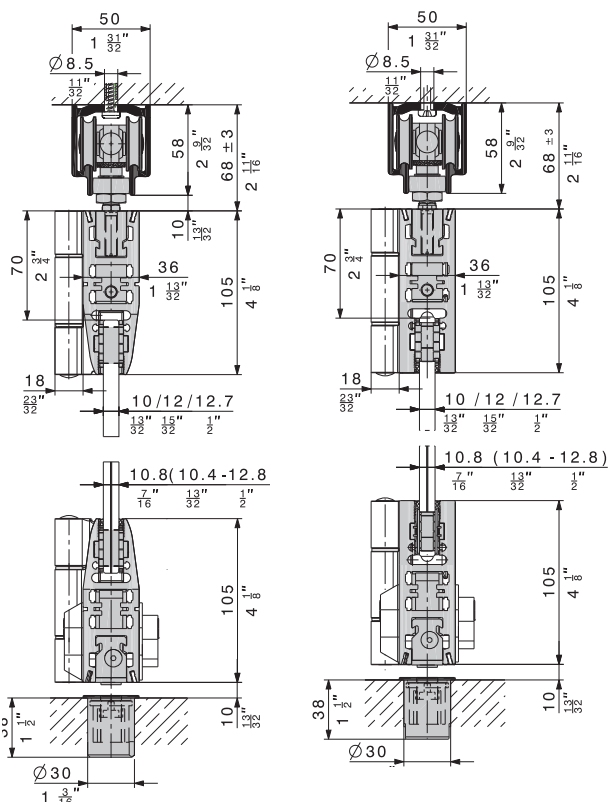
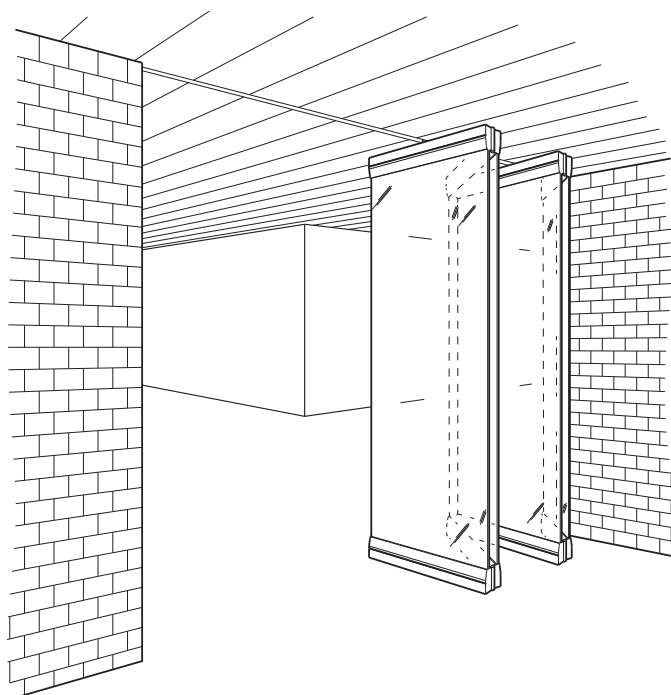
This hardware system is ideal for use wherever a room needs to be divided using a high-quality glass concertina wall that is also simple to operate, e.g. in shopping centres, airports, hotels, restaurants, banks, etc.

## Features of the HAWA-Centerfold 80/GV

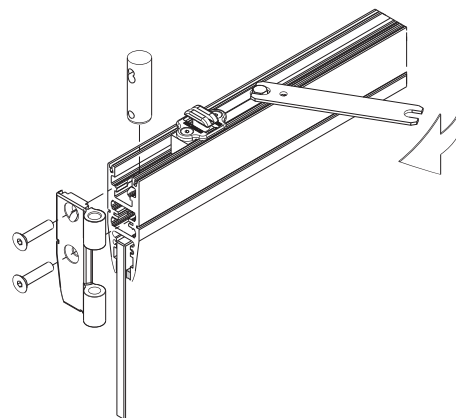
- Min. panel width 500 mm (1'7 <sup>11</sup>/<sub>16</sub>" )
  - Max. panel width 900 mm (2'11 <sup>7</sup>/<sub>16</sub>" )
  - Max. panel height 2600 mm (8'6 <sup>3</sup>/<sub>8</sub>" )
  - Max. panel weight 80 kg (176 lbs.)
  - The same components may be used for constructing installations that open to the left or right, inwards or outwards
  - The opposite side may be equipped with a separate pivot door
  - Vertical adjustment ± 3 mm (± <sup>1</sup>/<sub>8</sub>" )
  - Elegant design
  - Secure locking mechanism
  - Extremely smooth and silent operation
  - Minimal space requirement in staking area
  - Glass thickness fixed glass
- ESG (fully tempered monolithic glass): 10/12/12,7 mm (<sup>13</sup>/<sub>32</sub>/<sup>15</sup>/<sub>32</sub>/<sup>1</sup>/<sub>2</sub>" )
- VSG (fully tempered laminated glass): 10,8–13 mm (<sup>7</sup>/<sub>16</sub> – <sup>17</sup>/<sub>32</sub>" )

## 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.



Z ≥ 5 mm (<sup>7</sup>/<sub>32</sub>" )  
Clearance between  
wall and door



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

## Partial sets without running track and bottom guide channel

		code
	Set for 1½ panel	16786
	Set for 1½ panel unit with pivot panel	16787
	Set for 2½ panels	16788
	Set for 2½ panel unit with pivot panel	16789
	Set for 3½ panels	16790
	Set for 3½ panel unit with pivot panel	16791
	Set for 4½ panels	16792
	Set for 4½ panel unit with pivot panel	16793
	Set for 5½ panels	16794
	Set for 5½ panel unit with pivot panel	16795
In principle, HAWA-Centerfold systems may be installed without the need for a bottom guide channel.		

## Running tracks

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain, anodized, predrilled	6000 (19'8 $\frac{1}{2}$ " )	16852
		cut to size	16853

## Bottom guide channels

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ " )	6000 (19'8 $\frac{1}{2}$ " )	13688
		cut to size	13690

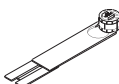
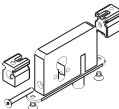
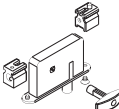
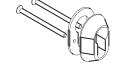









## Glass suspension and retainer profiles

		mm/inch	code
	Glass suspension retainer profile, alu plain, anodized, brushed	6500 (21'3 $\frac{3}{4}$ " )	16669
		cut to size	19868
	Glass suspension retainer profile, alu, unanodized	6500 (21'3 $\frac{3}{4}$ " )	13576
		cut to size	13681
	Glass suspension retainer profile, alu plain, anodized, brushed (straight profile)	6500 (21'3 $\frac{3}{4}$ " )	23440
		cut to size	23443

## Partial sets comprising

		16786	16787	16788	16789	16790	16791	16792	16793	16794	16795	code
	Four-wheeled trolley, M10, with plastic wheels	1	1	1	1	1	1	1	1	1	1	16482
	Four-wheeled trolley, M10, with plastic wheels and spacer	–	–	–	–	1	1	1	1	2	2	16685
	Top pivot bearing	1	2	1	2	1	2	1	2	1	2	16485
	Vertically adjustable driver for pivot door	1	2	1	2	1	2	1	2	1	2	16325
	End stop	–	–	1	1	–	–	1	1	–	–	16701
	Folding-/pivot door catch, adjustable	1	2	2	3	2	3	3	4	3	4	20426
	HAWA-bar bolt lock, square/hexagon socket 7/8 mm, complete with pivot	–	1	–	2	1	3	2	4	3	5	16968
	Vertical adjustment key SW 19	1	1	1	1	1	1	1	1	1	1	10789
	Suspension assembly locking wrench SW 10/11	1	1	1	1	1	1	1	1	1	1	14861
	Fork spanner SW 22/12, pivot door vertical adjustment	1	1	1	1	1	1	1	1	1	1	15409

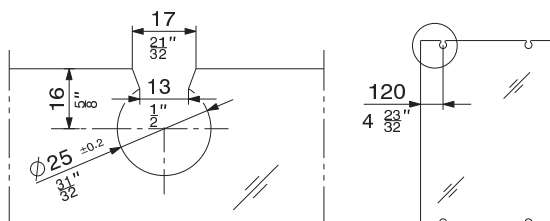
## Components

			code
	Set of glass-fixing parts, for 1 sliding door (4 pieces)	ESG <sup>1</sup> 10 mm ( $\frac{13}{32}$ " )	13900
		ESG <sup>1</sup> 12 mm ( $\frac{15}{32}$ " )	13901
		ESG <sup>1</sup> 12,7 mm ( $\frac{1}{2}$ " )	13902
		VSG <sup>2</sup> 2 x 5 mm ( $2 \times \frac{7}{32}$ " )	21263
		VSG <sup>2</sup> 2 x 6 mm ( $2 \times \frac{1}{4}$ " )	23542
	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 ( $\frac{9}{16}$ " ), 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, Inox, for fitting into bottom guide channel		22299
	Strike plate, chromium-plated steel		13130
	Hinge, zinc alloy, with fixing screws	dull chromium finish	16091
		raw	16088
	Hinge, zinc alloy, with fixing screws (straight profile)	dull chromium finish	25976
	Cover caps, zinc alloy, set of 4 pieces	dull chromium finish	16692
		raw	16693
	Cover caps, zinc alloy, set of 4 pieces (straight profile)	dull chromium finish	25982

## Glass cutouts for sliding door

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 10/12/12,7 mm ( $\frac{13}{32}/\frac{15}{32}/\frac{1}{2}$ " ), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass): 2x5  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,76/1,52 mm 2x6  $\pm 0,2$  mm  $\rightarrow$  film thickness 0,38/0,76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ " ) in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{32}$ " ) in the glass cutout












<sup>1</sup>fully tempered monolithic glass

<sup>2</sup>fully tempered laminated glass

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 $\frac{7}{16}$ " )		14164
	Long connecting rod for door height over 2500 mm (8'2 $\frac{7}{16}$ " )		14165
	Guide with plastic slider, rattle proof, 14 mm ( $\frac{9}{16}$ " ) and suspension block		13781
	Brush seal 2,6/18 x 920 mm ( $\frac{1}{8}$ " / $\frac{23}{32}$ " x 3' $\frac{7}{32}$ " ) for glass suspension and retainer profile		16797
	Fork spanner to glass holder insert		13817
	Installation tool for blocking keys 10–12,7 mm ( $\frac{13}{32}$ " – $\frac{1}{2}$ " ) glass		13710
	Drilling jig, for hinge retention bolts		16979

## Additional top lock and services

Details:  $\rightarrow$  HAWA-Variofold 80/GV

## Order specifications

- Quantity and type of sets
- Length of running 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

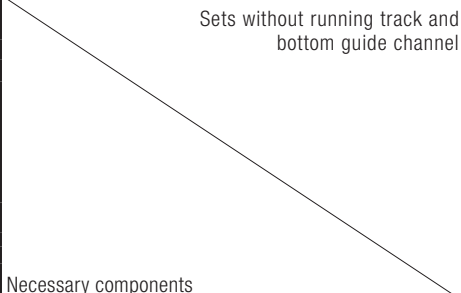











## Planning/installation

For planning and installation purposes, please use the installation drawing code 16825.

( $\rightarrow$  [www.hawa.ch](http://www.hawa.ch)  $\rightarrow$  HAWA-Productfinder)

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

**Maximum panel width 900 mm (2'11 <sup>11</sup>/<sub>16</sub>" ), 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 44 787 17 18)**

<div style="text-align: center;">Sets without running track and bottom guide channel</div> 	<input type="checkbox"/> 16786	<input type="checkbox"/> 16787	<input type="checkbox"/> 16788	<input type="checkbox"/> 16789	<input type="checkbox"/> 16790	<input type="checkbox"/> 16791	<input type="checkbox"/> 16792	<input type="checkbox"/> 16793	<input type="checkbox"/> 16794	<input type="checkbox"/> 16795
	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub> + 1	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub> + 1	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub> + 1	4 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub> + 1	5 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>2</sub> + 1
										
	Maximum widths of folding partitions									
Necessary components	1400	2300	2300	3200	3200	4100	4100	5000	5000	5900
Glass thickness/glass attachment components	In principle, Centerfold systems may be installed without the need for a bottom guide channel.									
<input type="checkbox"/> 10 mm ( <sup>3</sup> / <sub>8</sub> " ) 13900	2	3	3	4	4	5	5	6	6	7
<input type="checkbox"/> 12 mm ( <sup>1</sup> / <sub>2</sub> " ) 13901										
<input type="checkbox"/> 12,7 mm ( <sup>1</sup> / <sub>2</sub> " ) 13902										
Lock for access										
<input type="checkbox"/> cyl. 17 mm ( <sup>11</sup> / <sub>16</sub> " ) 16760	1	1	2	1	2	1	2	1	2	1
<input type="checkbox"/> cyl. 22 mm ( <sup>7</sup> / <sub>8</sub> " ) 16761										
<input type="checkbox"/> 4/6-sided nut 16968										
Security rose										
<input type="checkbox"/> cyl. 17 mm ( <sup>11</sup> / <sub>16</sub> " ) Security rose for standard 14147	1	1	2	1	2	1	2	1	2	1
<input type="checkbox"/> profile cylinders 22 mm ( <sup>7</sup> / <sub>8</sub> " )										
Locking device										
<input type="checkbox"/> floor-mounted sleeve 13787	1	2	2	3	3	4	4	5	5	6
<input type="checkbox"/> strike plate 13130										
Hinge										
<input type="checkbox"/> dull chromium finish 16091/25976	2	2	4	4	6	6	8	8	10	10
<input type="checkbox"/> raw 16088										
Thrust bearing										
<input type="checkbox"/> Thrust bearing 16326	1	2	1	2	1	2	1	2	1	2
<input type="checkbox"/> Thrust bearing, adjust. 22299										
Cover caps, set of 4 pieces										
<input type="checkbox"/> dull chromium finish 16692/25982	1	2	1	2	1	2	1	2	1	2
<input type="checkbox"/> raw 16693										
Clear dimension..... mm										

## Optional accessories

<input type="checkbox"/> Additional lock at top 16491	1	2	2	3	2	3	3	4	3	4
Connecting rod, for door height										
<input type="checkbox"/> up to 2500 mm (8'2 <sup>7</sup> / <sub>16</sub> " ) 14164	1	1	1	1	1	1	1	1	1	1
<input type="checkbox"/> over 2500 mm (8'2 <sup>7</sup> / <sub>16</sub> " ) 14165										
<input type="checkbox"/> Brush seal 2,6/18 x 920 mm ( <sup>1</sup> / <sub>8</sub> " / <sup>23</sup> / <sub>32</sub> " x 3' <sup>7</sup> / <sub>32</sub> " ) 16797	3	5	5	7	7	9	9	11	11	13
Tools for glazing										
<input type="checkbox"/> Forkspanner 13817	1	1	1	1	1	1	1	1	1	1
<input type="checkbox"/> Installation tool 13710										
<input type="checkbox"/> Drilling jig, for hinge retention bolts 16979	1	1	1	1	1	1	1	1	1	1
Surface treatment of suspension and glass retainer profiles (16741, basic treatment fee to surface treatment, lump sumper colour)	<input type="checkbox"/> 14163 Powder-coatet to RAL code ..... <input type="checkbox"/> 14626 Plain, anodized, polished, brushed									
	<input type="checkbox"/> 14630 Chrome effect, polished finish									

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

**Date .....** **Signature .....**

Glass sliding walls made easy.

Hardware system for stackable glass sliding walls weighing up to 60 kg (132 lbs.).

## Description

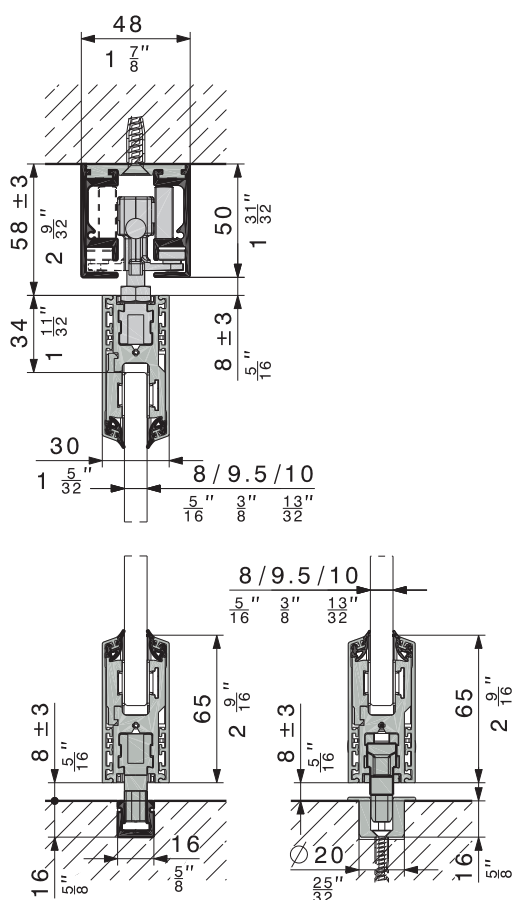
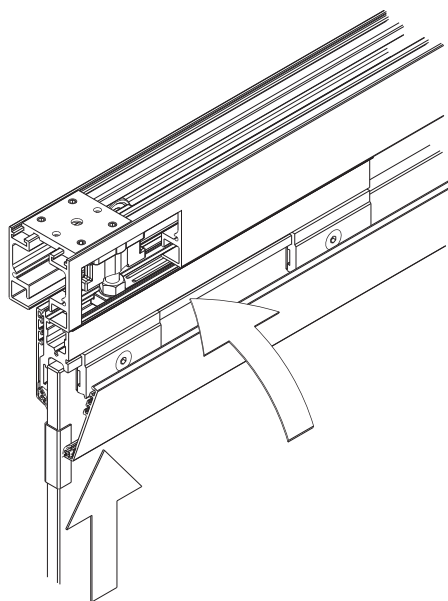
HAWA-Aperto 60/GL addresses the need for flexible, open room design. Specially developed for lightweight glass partitions, the system fits in perfectly with contemporary architectural design. Cover profiles are available in various finishes, protected by a removable foil. HAWA-Aperto 60/GL is easy to plan and install, thanks to its sophisticated engineering and straightforward component structure. This avoids customer-tailored manufacturing for standard partitions. HAWA recommends using a bottom guide channel for ultimate ease of operation. However, installations without floor guides are also possible.

## Applications

For partitions and screens wherever individual, changeable space division is required in rooms. With its minimal fitting dimensions and modest stacking space requirements, retrofitting HAWA-Aperto 60/GL in existing rooms is also no problem. The system also makes for easier, cheaper realisation of ceiling to counter-top partitions.

## Features of HAWA-Aperto 60/GL

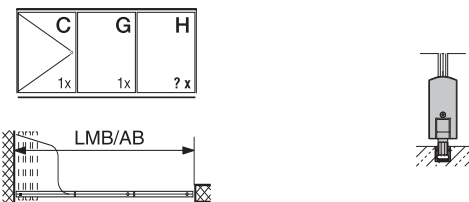
- Maximum door weight 60 kg (132 lbs.)
- Stacking area accommodates up to 9 door panels incl. pivot door
- Profile height 65 mm ( $2\frac{9}{16}$ " )
- Door thickness ESG (fully tempered monolithic glass):  
8/9,5/10 mm ( $\frac{5}{16}$ "/ $\frac{3}{8}$ "/ $\frac{13}{32}$ " )
- Minimum door width 500 mm ( $1'7\frac{11}{16}$ " )
- Maximum door width (stacking parallel to the slide axis)  
– Sliding door: 1100 mm ( $3'7\frac{5}{16}$ " )  
– Pivot door: 1200 mm ( $3'11\frac{1}{4}$ " )
- Maximum door width (stacking 90° to the slide axis)  
– Sliding door and pivot door: 950 mm ( $3'1\frac{13}{32}$ " )
- Maximum door height 2600 mm ( $8'6\frac{3}{8}$ " )
- Height adjustment  $\pm 3$  mm ( $\frac{1}{8}$ " )
- Centre stop with progressively adjustable retention spring catch
- Running tracks and bottom guide channels: alu plain anodized
- Complete, harmonious solution thanks to fixed glass set
- Comprehensive planning and assembly instructions



## Stacking area options

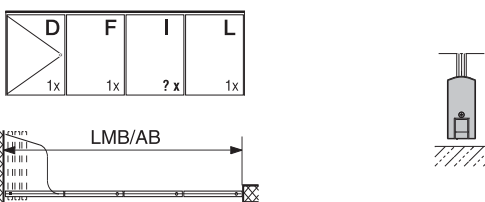
With HAWA-Aperto 60/GL, lightweight glass partitions tuck away invisibly behind a wall or a pivot door.

### System type 1



Sets	Type	Pieces	code
Pivot door	C	1	19188
Sliding door	G	1	19192
Sliding door	H	?X	19193
Stacking area		1	18758

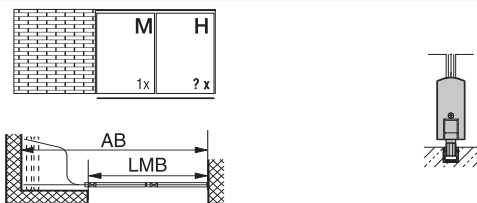
### System type 2



Sets	Type	Pieces	code
Pivot door	D	1	19189
Sliding door	F	1	19191
Sliding door	I	?X	19194
Sliding door	L	1	► 19196
Stacking area		1	18759

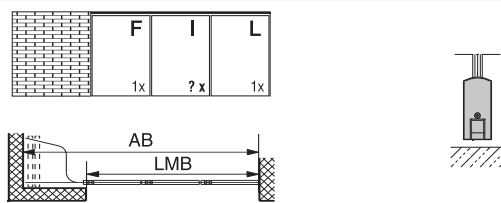
► Recommended connection pieces: → table on the next page.

### System type 3



Sets	Type	Pieces	code
Sliding door	M	1	19198
Sliding door	H	?X	19193
Stacking area		1	18758

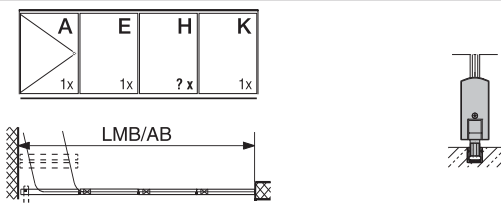
### System type 4



Sets	Type	Pieces	code
Sliding door	F	1	19191
Sliding door	I	?X	19194
Sliding door	L	1	► 19196
Stacking area		1	18759

► Recommended connection pieces: → table on the next page.

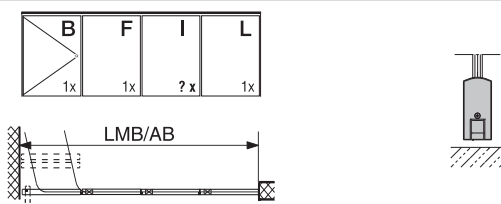
### System type 5



Sets	Type	Pieces	code
Pivot door	A	1	19186
Sliding door	E	1	19190
Sliding door	H	?X	19193
Sliding door	K	1	► 19195
Stacking area		1	18756

► Recommended connection pieces: → table on the next page.

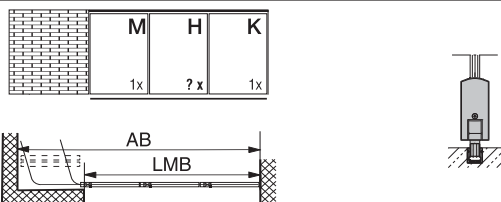
### System type 6



Sets	Type	Pieces	code
Pivot door	B	1	19187
Sliding door	F	1	19191
Sliding door	I	?X	19194
Sliding door	L	1	► 19196
Stacking area		1	18757

► Recommended connection pieces: → table on the next page.

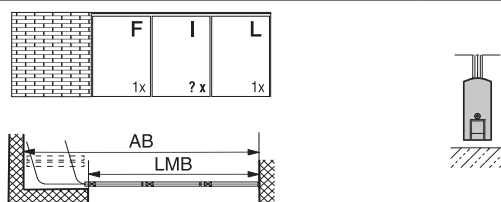
### System type 7



Sets	Type	Pieces	code
Sliding door	M	1	19198
Sliding door	H	?X	19193
Sliding door	K	1	► 19195
Stacking area		1	18756

► Recommended connection pieces: → table on the next page.

### System type 8



Sets	Type	Pieces	code
Sliding door	F	1	19191
Sliding door	I	?X	19194
Sliding door	L	1	► 19196
Stacking area		1	18757

► Recommended connection pieces: → table on the next page.

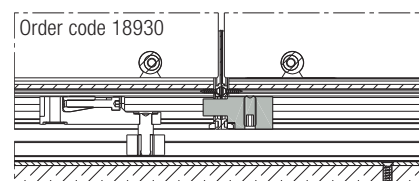
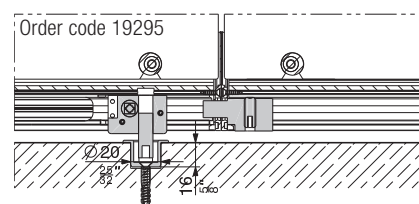
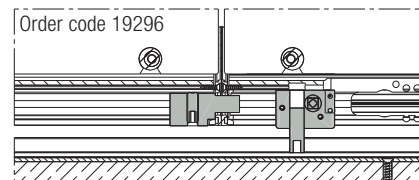
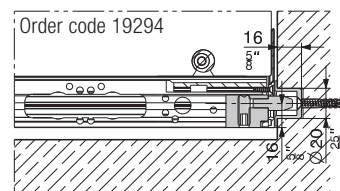
## Connection options

Depending on the connection situation, we recommend using supplementary parts according to the table. They ensure maximum convenience and stabilise the wall when it is closed.

### Connection pieces

Connection options	with bottom guide channel	code	without bottom guide channel	code
				19294
		19294		19294
				19295
		19296		19295
		18930		19295

## Connection options front view



## Fixed glass set

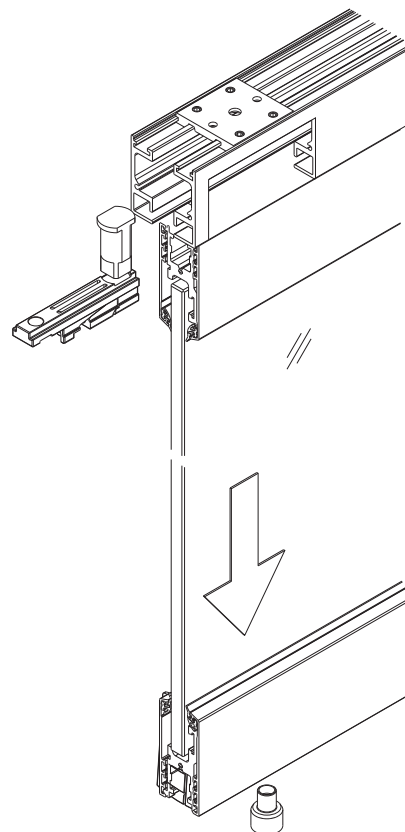
	code
Fixed glass set for HAWA-Aperto 60/GL	19750

## Fixed glass

The fixed glass set facilitates a complete and harmonious solution.

### Set comprising

		pieces	code
	Suspension plate with retainer bolt for fixed glass	2	19714
	Location bolt, stainless steel, for fixed glass, set of 2 pieces	1	19715
	Glass retainer profile 240 mm (9 <sup>15</sup> / <sub>32</sub> " ), aluminium	4	19026
	Retainer plate for glass retainer profile, including screws, set of 8 pieces (for 1 door)	1	19264
	Suspension bolt for glass suspension profile with set screw, set of 8 pieces (for 1 door)	1	19265
	Eccenter plastic, for glass fixing, set of 8 pieces (for 1 door)	1	19266
	Cover cap for glass retainer profile, plastic anthracite-grey RAL 7016, set of 4 pieces (for 1 door)	1	19267



## Nominal order length for straight running tracks and bottom guide channels

The basic nominal order length for straight running tracks and bottom guide channels and the number of necessary top fixing plates can be calculated as follows

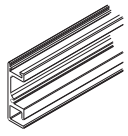


### Stacking area 90°

		formula	order length in mm (incl. trimming reserve)	pieces per installation
2 x single toptrack	outside	AB in mm - 130 mm		1
	inside	AB in mm - 500 mm		1
Bottom guide channel		AB in mm + 20 mm		1
Top fixing plate		AB in mm ÷ 500	→	

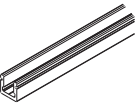
### Stacking area parallel

		formula	order length in mm (incl. trimming reserve)	pieces per installation
2 x single toptrack	outside	AB in mm - 730 mm		1
	inside	AB in mm - 1230 mm		1
Bottom guide channel		AB in mm - 500 mm		1
Top fixing plate		AB in mm ÷ 500	→	

### Running tracks

		mm/inch	code
	Single running track, alu plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	17795
		3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	17796
		6000 (19'8 <sup>7</sup> / <sub>32</sub> ")	16891
		cut to size	17529
	Top fixing plate for 2 x single running track, alu, 1 piece		17128
	Top fixing plate for 2 x single running track, set of 6 pieces		17806
	Top fixing plate for 2 x single running track, set of 8 pieces		17807
	Cover cap for 2 x single running track, alu plain anodized		19354

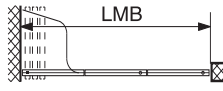
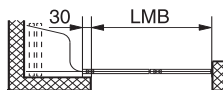
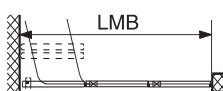
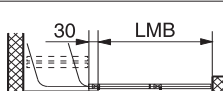
### Bottom guide channels

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu plain anodized, undrilled, 16 x 16 mm ( <sup>5</sup> / <sub>8</sub> " x <sup>5</sup> / <sub>8</sub> " )	6000 (19'8 <sup>7</sup> / <sub>32</sub> ")	18200
	Bottom guide channel, alu plain anodized, predrilled, 16 x 16 x 3 mm ( <sup>5</sup> / <sub>8</sub> " x <sup>5</sup> / <sub>8</sub> " x <sup>1</sup> / <sub>8</sub> " )	3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	18864
		6000 (19'8 <sup>7</sup> / <sub>32</sub> ")	18216
		cut to size	18477

## Nominal order length for cover profile and clip-on rubber

The basic nominal order length for the cover profiles and the clip-on rubber can be calculated as follows

### Stacking area 90° and parallel

options	length of cover profile (incl. trimming reserve)	length of clip-on rubber (incl. trimming reserve)
	$\frac{LMB}{AT}$	LMB x 4
	$\frac{LMB + 30}{ST}$	(LMB + 30) x 4
	for STB: $\frac{LMB - 100}{AT}$ for DT: STB + 100	LMB x 4
	$\frac{LMB + 30}{ST}$	(LMB + 30) x 4




AT = Number of doors including pivot door

ST = Number of sliding doors


STB = Sliding door width

DT = Pivot door

### Cover profiles/clip-on rubber

		mm/inch	code
	Cover profile, alu unanodized, (finished by customer) set for one door (4 pieces)	800 (2'7 <sup>1</sup> / <sub>2</sub> ")	19231
		1000 (3'3 <sup>3</sup> / <sub>8</sub> ")	19232
		1200 (3'11 <sup>1</sup> / <sub>4</sub> ")	19233
	Cover profile, alu plain anodized, brushed, set for one door (4 pieces)	800 (2'7 <sup>1</sup> / <sub>2</sub> ")	19234
		1000 (3'3 <sup>3</sup> / <sub>8</sub> ")	19235
		1200 (3'11 <sup>1</sup> / <sub>4</sub> ")	19236
	Cover profile, stainless steel effect, brushed, set for one door (4 pieces)	800 (2'7 <sup>1</sup> / <sub>2</sub> ")	19237
		1000 (3'3 <sup>3</sup> / <sub>8</sub> ")	19238
		1200 (3'11 <sup>1</sup> / <sub>4</sub> ")	19239
	Clip-on rubber for cover profile, black, 10 m (32'9 <sup>3</sup> / <sub>32</sub> ") roll		19175
The clip-on rubber is necessary for installing the cover profile.			

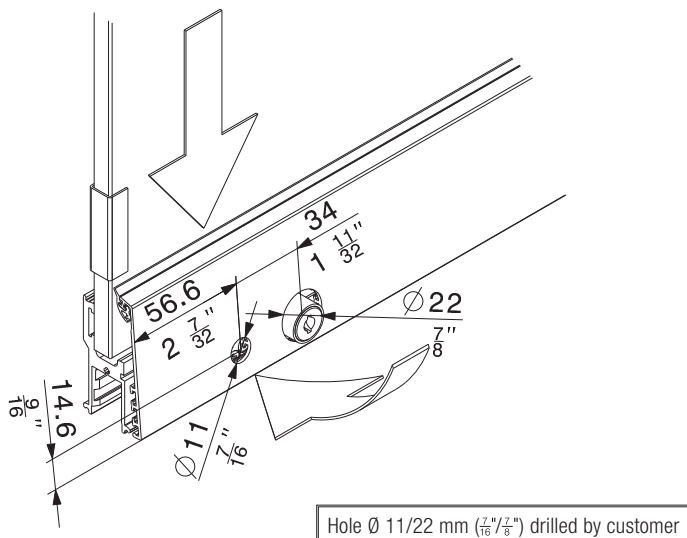
### Glass fixing parts

		thickness of glass	code
	Glass fixing parts, set for one door (16 pieces)	8 mm ( <sup>5</sup> / <sub>16</sub> " )	19269
		9,5 mm ( <sup>3</sup> / <sub>8</sub> " )	19271
		10 mm ( <sup>3</sup> / <sub>8</sub> " )	19270

Glass fixing parts must be ordered to match the glass thickness.

## Cylinder module for round bar lock

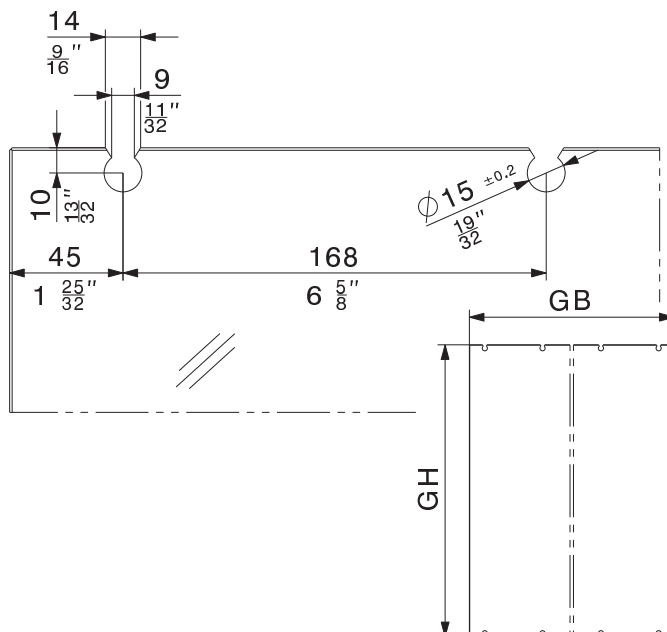
Lockable door sets include a round bar lock with rotary handle. A cylinder module with 3 locking options may also be ordered where it is necessary to secure the system. A cylinder module for 17 mm ( $\frac{11}{16}$ ") profile cylinders is available for installations with increased security requirements, e.g. shop fronts. It can be built into a locking installation and can also be fitted with a special security rosette for half or double-profiled cylinders.



## Glass cutouts

Only glass ESG (fully tempered monolithic glass) may be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8/9,5/10 mm ( $\frac{5}{16}$ "/ $\frac{3}{8}$ "/ $\frac{13}{32}$ "), thickness tolerance  $\pm 0,3$  mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout



## Cylinder module/cylinder rosette

		key	code
	Cylinder module with two keys and rosette	Locking 01	19171
		Locking 02	19172
		Locking 03	19173
	Cylinder module for profile cylinder 17 mm ( $\frac{11}{16}$ ")		19610
	Special security rose for single profile cylinder, length 29,5–31,5 mm ( $1\frac{5}{32}$ "– $1\frac{1}{4}$ ")		19680
	Special security rose for double profile cylinder, length 59–63 mm ( $2\frac{11}{32}$ "– $2\frac{1}{2}$ ") incl. thumbturn long		19699

## Rubber profile for glass edge protection

		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ ") glass thickness, black, glass distance 4 mm ( $\frac{5}{32}$ ")	5 m ( $16'4\frac{27}{32}$ ")	19442
		10 m ( $32'9\frac{23}{32}$ ")	19443
		50 m ( $164'1\frac{1}{2}$ ")	19444
	Rubber profile self-adhesive, for 8/10 mm ( $\frac{5}{16}$ "/ $\frac{13}{32}$ ") glass thickness, translucent, glass distance 4 mm ( $\frac{5}{32}$ ")	5 m ( $16'4\frac{27}{32}$ ")	19445
		10 m ( $32'9\frac{23}{32}$ ")	19446
		50 m ( $164'1\frac{1}{2}$ ")	19447

Details: → page 128

## Customer tailored installations

Please contact Hawa for customer tailored installations with special stacking areas, more than 9 doors, curved running tracks or an integral change of track direction

## Order specifications

- Quantity and type of pivot door sets: → table
- Quantity and type of sliding door sets: → table
- Quantity and type of stacking area sets
- Quantity and length of running tracks: → calculation
- Quantity and length of bottom guide channels: → calculation
- Quantity and type of glass fixing parts
- Quantity and type of cover profiles: → calculation
- Quantity of clip-on rubber rolls: → calculation
- Quantity of top fixing plates: → calculation
- Quantity and type of connection pieces: → table
- Quantity of fixed glass sets
- Quantity and type of concealed stacking area interior
- Quantity and type of cylinder module
- Quantity and type of special security roses

## Planning/installation

For planning and installation purposes, please use the installation drawing code 19200 (parallel) or code 19201 (90°). (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

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

## Stacking area sets

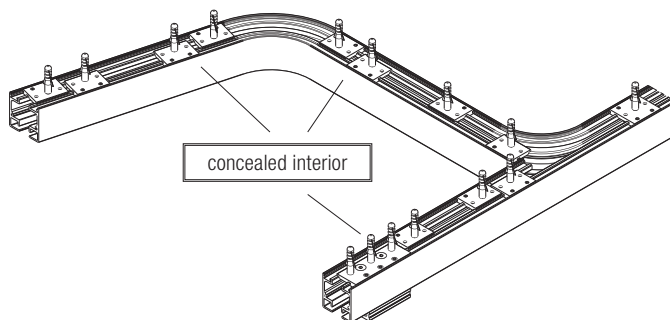
	code
Stacking area set, with bottom guide channel, stacking parallel	18756
Stacking area set, without bottom guide channel, stacking parallel	18757
Stacking area set, with bottom guide channel, stacking 90°	18758
Stacking area set, without bottom guide channel, stacking 90°	18759

## sets comprising

		18756	18757	18758	18759	code
	Single running track curved segment, 75° inside, length of leg 580 mm (1'10 27/32")	1	1	—	—	17289
	Single running track curved segment, 75° outside, length of leg 580 mm (1'10 27/32")	1	1	1	1	17290
	Single running track curved segment, 90° inside, length of leg 70 mm (2 3/4")	—	—	1	1	16925
	Running track end stops, set	1	1	1	1	19165
	Connecting bolts, set of 6 pieces	1	1	1	1	17221
	Centre stop with progressively adjustable retention spring catch	1	1	1	1	17283
	Top fixing plate for 2 x single running track, alu	1	1	1	1	17128
	Top fixing plate for single running track, alu	11	11	10	10	17749
	Hexagon key 4 mm, length 230 mm (9 1/16")	1	1	1	1	18751
	End stopper for alu bottom guide channel, 16 x 16 mm (5/8" x 5/8")	2	—	2	—	18652
	End-piece for running track, 150 mm (5 9/16")	1	1	1	1	19160
	Bottom guide channel connecting bolts, set of 8 pieces	1	—	—	—	18640
	Curved bottom guide channel 75°, length of leg 500 mm (1'7 11/16")	1	—	—	—	18748
	Adjustment tool for eccentric glass retainer	1	1	1	1	19256

## Stacking area with concealed interior

We recommend fitting an interior concealment cover for open, visible stacking areas.



## Profile set for concealed interior

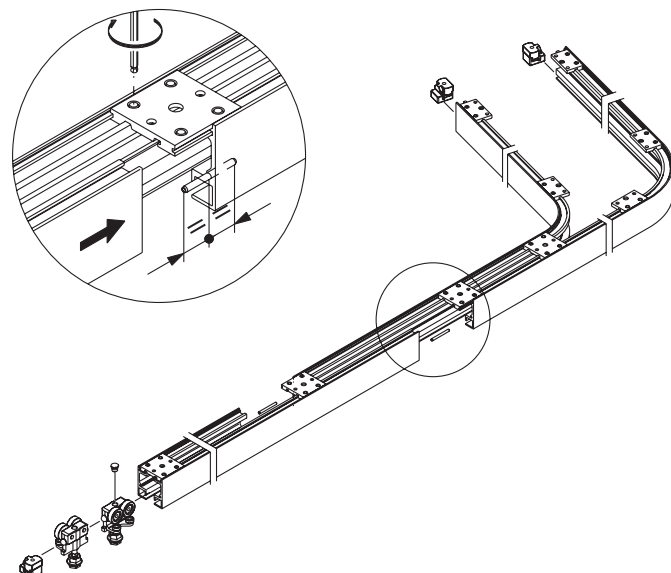
	code
Profile set for concealed interior for installations with stacking parallel to the slide axis, complete	19147
Profile set for concealed interior for installations with stacking 90° to the slide axis, complete	19148

## Set comprising

		19147	19148	code
	Single running track curved segment, 75° inside, length of leg 580 mm (1'10 27/32")	1	1	17289
	Single running track 550 mm (1'7 11/16"), for concealed interior, stacking parallel	1	—	19145
	Single running track 700 mm (2'3 9/16"), for concealed interior, stacking parallel and 90°	1	1	19146
	Top fixing plate for single running track, alu	8	7	17749

## Easy action

Top fixing plates must be fitted at the running track joints to ensure an easy sliding action.



## Pivot door sets

	type	code
Pivot door set for installation with parallel stacking area, with bottom guide channel	A	19186
Pivot door set for installation with parallel stacking area, without bottom guide channel	B	19187
Pivot door set for installation with 90° stacking area, with bottom guide channel	C	19188
Pivot door set for installation with 90° stacking area, without bottom guide channel	D	19189

## Set comprising

		19186	19187	19188	19189	
	Door types	A	B	C	D	code
	Glass retainer profile 240 mm (9 <sup>15</sup> / <sub>32</sub> "), alu	3	3	3	3	19026
	Glass retainer profile 240 mm (9 <sup>15</sup> / <sub>32</sub> "), with lock cutout, alu	1	1	1	1	19027
	Top pivot bearing for installations with stacking parallel	1	1	—	—	18779
	Top pivot bearing for installations with stacking 90°	—	—	1	1	19142
	Bottom pivot, fitting with 16 x 16 mm (5/8" x 5/8") bottom guide channel	—	—	1	—	18730
	Bottom pivot with thrust bearing sleeve Ø 20 mm (3/4")	1	1	—	1	18785
	Sleeve closure including fitting screw	—	1	—	1	19149
	Pivot door snap closure including counter-piece	1	1	1	1	19050
	Round bar lock with square socket 7 mm (9/32")	1	1	1	1	19170
	Thumbturn, chromium finish, with square pin 24 mm (1 <sup>5</sup> / <sub>16</sub> ")	1	1	1	1	19107
	Matching segment 300 mm (11 <sup>13</sup> / <sub>16</sub> "), outside, for running track, concealed interior, stacking parallel	1	1	—	—	18804
	Matching segment 300 mm (11 <sup>13</sup> / <sub>16</sub> "), inside, for running track, concealed interior, stacking parallel	1	1	—	—	19144

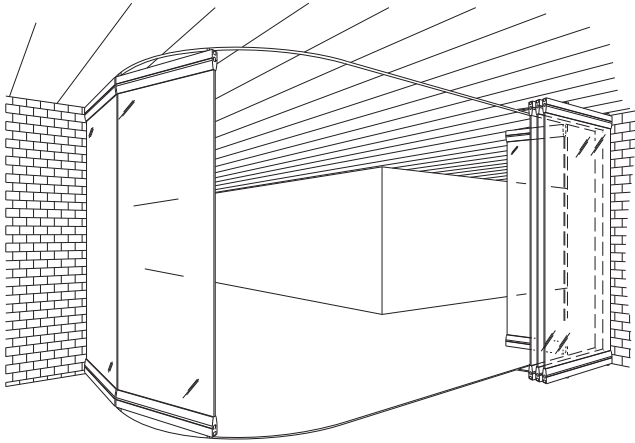
		19186	19187	19188	19189	
	Door types	A	B	C	D	code
	Top fixing plate for 2 x single running track, alu	1	1	—	—	17128
	Fork spanner SW 13 mm (1/2")	1	1	1	1	19128
	Retainer plate for glass retainer profile, including screws, set of 8 pieces (for 1 door)	1	1	1	1	19264
	Suspension bolt for glass suspension profile, with set screws, set of 8 pieces (for 1 door)	1	1	1	1	19265
	Eccenter, plastic, for glass fixing, set of 8 pieces (for 1 door)	1	1	1	1	19266
	Cover caps for glass retainer profile, plastic anthracite-grey RAL 7016, set of 4 pieces (for 1 door)	1	1	1	1	19267

## Sliding door sets

	type	code
Sliding door sets	E	19190
	F	19191
	G	19192
	H	19193
	I	19194
	K	19195
	L	19196
	M	19198
Sets comprising: → following page		

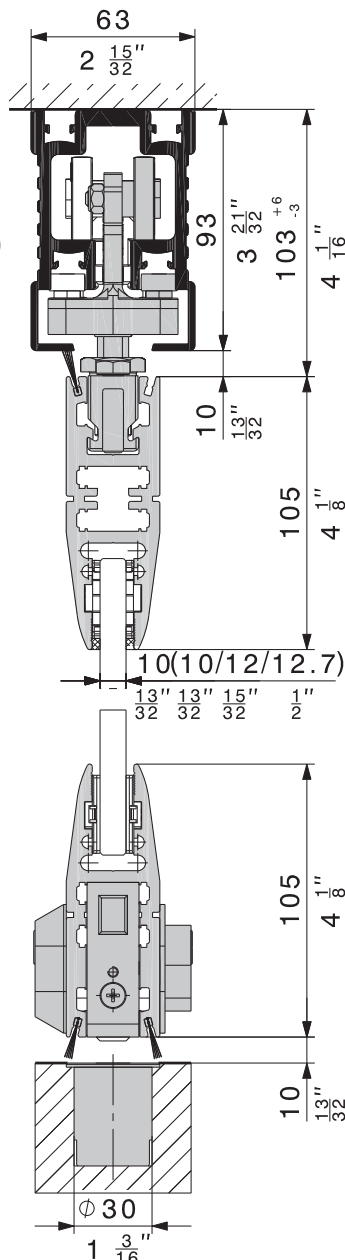
## Sliding door sets comprising

	Door types	19190	19191	19192	19193	19194	19195	19196	19198	code
		E	F	G	H	I	K	L	M	
	Glass retainer profile 240 mm (9 <sup>15</sup> / <sub>32</sub> "), aluminium	4	3	3	4	4	3	3	3	19026
	Glass retainer profile 240 mm (9 <sup>15</sup> / <sub>32</sub> "), with lock cutout, aluminim	–	1	1	–	–	1	1	1	19027
	Two-wheeled trolley, M8, plastic-tyred ball bearings	2	2	2	2	2	2	2	2	18708
	Suspension plate, including M8 hanger bolt, with integrated assembly wedge	2	2	2	2	2	2	2	2	18651
	Floor guide rattle proof, plastic, 10 mm (13 <sup>3</sup> / <sub>32</sub> "), with suspension plate	1	–	1	1	–	1	–	–	18649
	Bottom locking device	–	–	–	–	1	–	1	–	18932
	Centering assembly, alu plain anodized	–	–	–	1	–	1	–	–	18930
	Sleeve closure including fitting screw	–	1	–	–	1	–	1	–	19149
	Round bar lock with square socket 7 mm (9 <sup>9</sup> / <sub>32</sub> ") and guide pin	–	–	–	–	–	–	–	1	19179
	Round bar lock with square socket 7 mm (9 <sup>9</sup> / <sub>32</sub> ")	–	1	1	–	–	–	–	–	19170
	Thumbturn, dull chromium finish, with square pin 24 mm (15 <sup>15</sup> / <sub>16</sub> ")	–	1	1	–	–	–	–	1	19107
	Retainer plate for glass retainer profile, including screws, set of 8 pieces (for 1 door)	1	1	1	1	1	1	1	1	19264
	Suspension bolt for glass suspension profile with set screw, set of 8 pieces (for 1 door)	1	1	1	1	1	1	1	1	19265
	Eccenter plastic, for glass fixing, set of 8 pieces (for 1 door)	1	1	1	1	1	1	1	1	19266
	Cover cap for glass retainer profile, plastic anthracite-grey RAL 7016, set of 4 pieces (for 1 door)	1	1	1	1	1	1	1	1	19267



## Example of application

- Sliding door
- Standard profile
- Bar bolt lock
- Closure in bottom sleeve
- ESG (fully tempered monolithic glass)



## Modular hardware system for elegant all-glass sliding walls weighing up to 100 or 150 kg (220 or 330 lbs.) per panel.

### Description

The HAWA-Variotec 150/GV is a hardware system with outstanding running properties around curved structures. Thanks to a trolley with 2-point suspension, glass sliding walls can be moved extremely quietly and smoothly along curved tracks. With its advanced technology, it is also regarded as unique among sliding hardware systems. Sliding revolving doors and sliding swinging doors can be integrated at any desired point. This system ensures that you can quickly and easily provide ideal complete solutions, including fixed glass for room separation.

### Applications

This hardware system is suitable for use wherever high quality, elegance and quiet operation are called for, e.g. in shopping centres, hotels, restaurants, banks, airports, railway stations, industrial premises, winter garden, administrative buildings, etc.

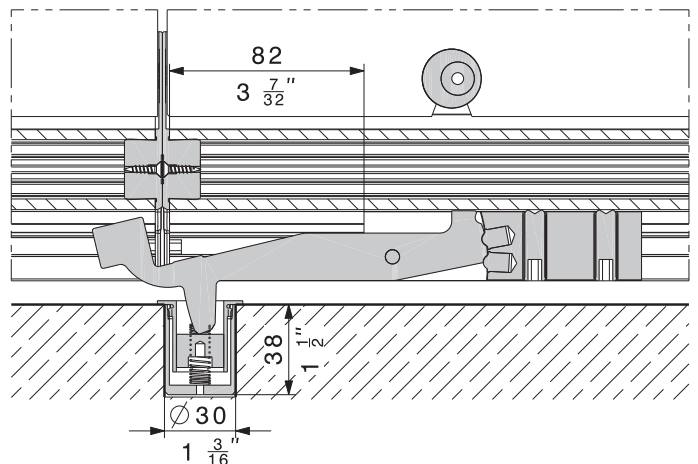
### Features of the HAWA-Variotec 150/GV

- Modular system
- Trolley with 2-point guide wheels
- Progressive vertical adjustment (+6/-3 mm)
- Extremely smooth and quiet cornering
- Elegant top-fixed suspension and glass retainer
- Precision glazing
- Minimum axis radius, 4000 mm ( $13'1 \frac{1}{2}"$ )
- All components installed in profile
- Secure locking mechanism
- Minimal space requirement in stacking area
- Running track with facing

### Glass cutouts

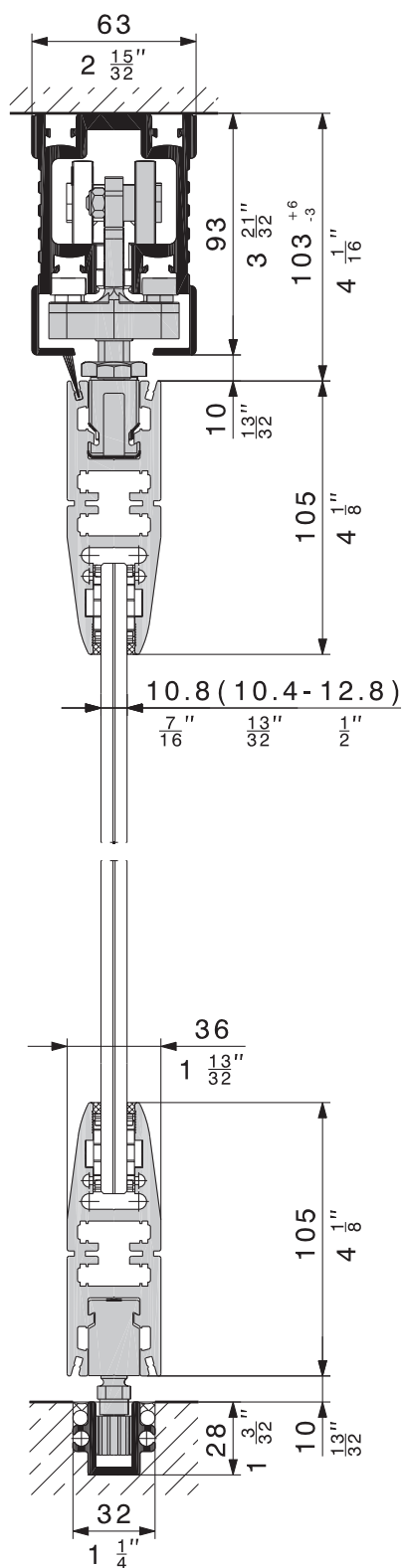
Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass):  $10/12/12.7$  mm ( $\frac{13}{32}/\frac{15}{32}/\frac{1}{2}"$ ), thickness tolerance  $\pm 0.3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass):  $2 \times 5 \pm 0.2$  mm  $\rightarrow$  film thickness 0.76/1.52 mm
- Glass thickness sliding door VSG (fully tempered laminated glass):  $2 \times 6 \pm 0.2$  mm  $\rightarrow$  film thickness 0.38/0.76 mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}"$ ) in the glass cutout
- VSG (fully tempered laminated glass) permissible with max. offset of 2 mm ( $\frac{3}{16}"$ ) in the glass cutout

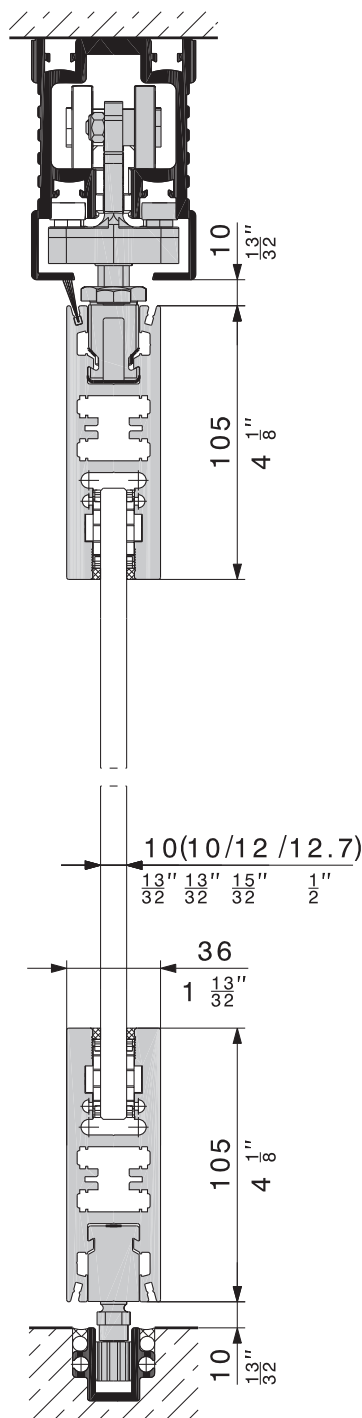


Subject to modification. Metric specifications are exact. Inches are approximate.

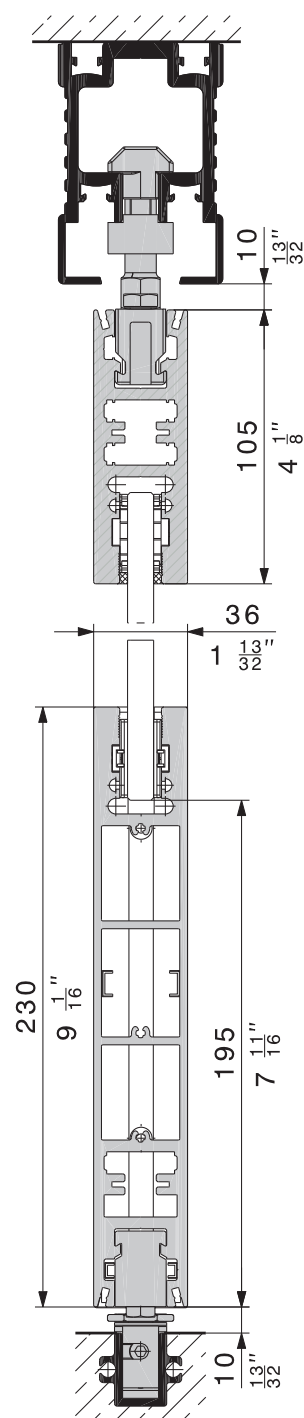
## Further examples of application



- Sliding door
- Standard profile
- Guide slider in bottom guide channel
- Without locking mechanism
- VSG (fully tempered laminated glass)



- Sliding door
- Straight profile, 105 mm (4 5/32 inches)
- Guide slider in bottom guide channel
- Without locking mechanism
- ESG (fully tempered monolithic glass)

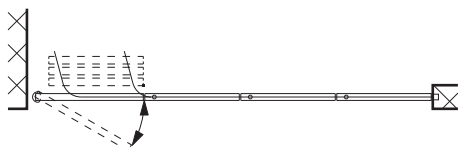


- Pivot door
- Top, straight profile, 105 mm (4 5/32 inches)
- Bottom, straight profile, 230 mm (9 1/16 inches)
- Without locking mechanism
- ESG (fully tempered monolithic glass)

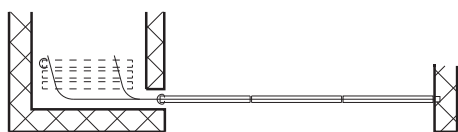
## Layout examples

The layout examples shown here clearly demonstrate the flexibility of the HAWA-Variotec 150/GV, as well as the creative potentials it offers. This system permits the use of fixed glass fittings, swinging doors, sliding swinging doors and curved installations, etc. Each track can be customized on request for almost every curvature radius. The minimum axis radius for curved all-glass sliding walls is 4000 mm (13'1  $\frac{1}{2}$ ").

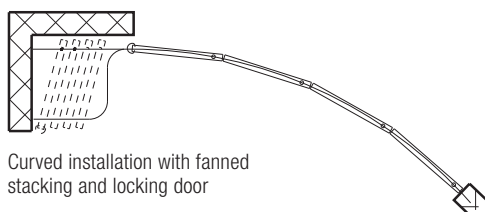
Countless floor plans – 4 examples:



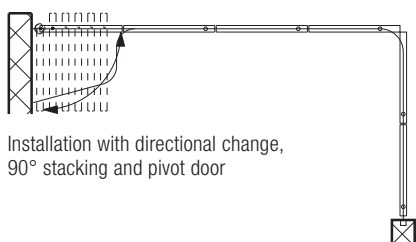
Straight installation with parallel stacking and pivot door



Straight installation with parallel stacking and locking door



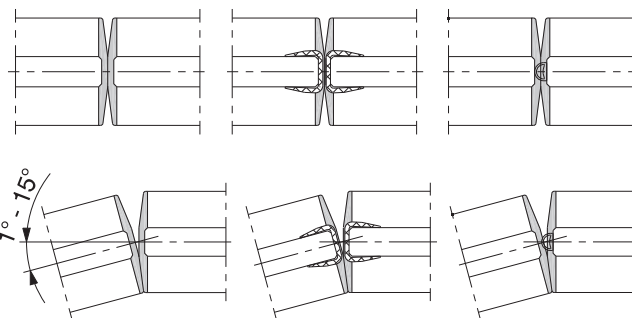
Curved installation with fanned stacking and locking door



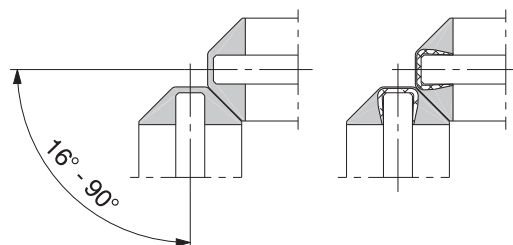
Installation with directional change, 90° stacking and pivot door

## Space-saver

The mobility of HAWA-Variotec 150/GV makes it possible to save a considerable amount of space. It can stack doors in even the tiniest of spaces. Layout options are limitless thanks to two cover cap designs.

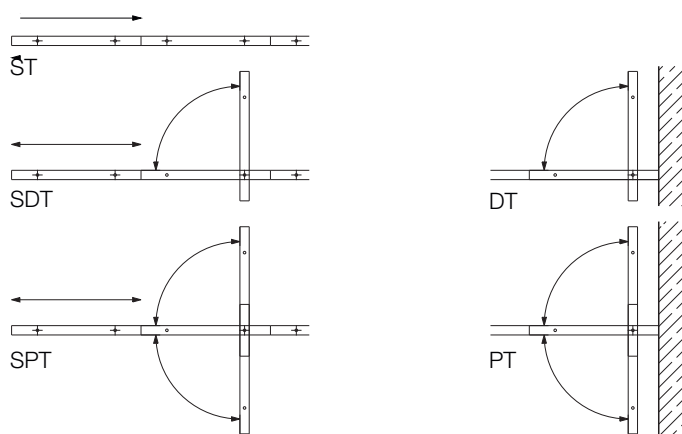


Straight and curved installations, and installations with a directional change of up to 15°, can be implemented using the standard cover cap 19903

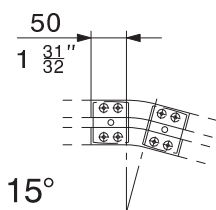


Cover cap 13587 is required for installations with directional changes between 16° and 90°

## Door types



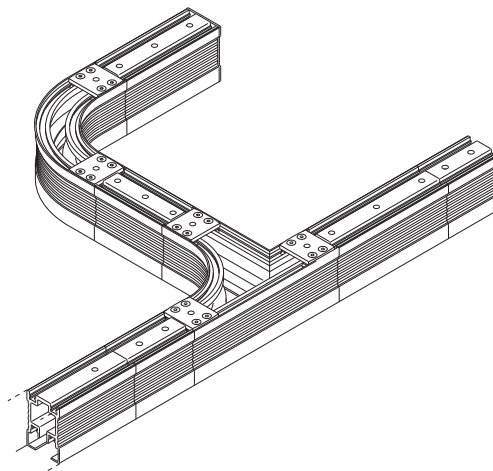
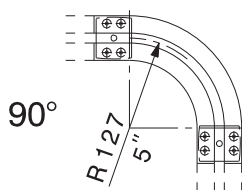
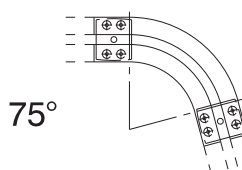
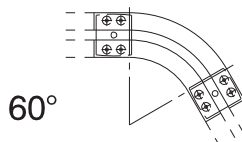
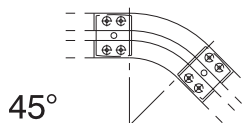
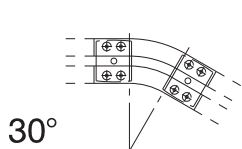
ST	Sliding door
SDT	Sliding pivot door
SPT	Sliding swing door
DT	Pivot door
PT	Swing door



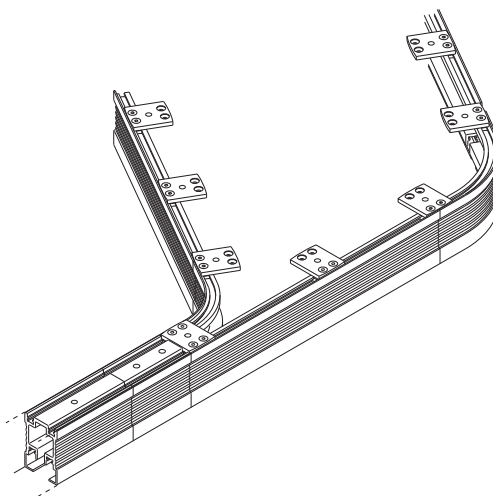
## Cornering technology

With this sliding-door hardware system it is possible for straight running tracks with integrated facing and curved sections with or without interior facing to be assembled in combinations of 15, 30, 45, 60, 75 and 90 degrees according to individual requirements. Special customized versions can also be provided. The minimum radius is 4000 mm (13'1  $\frac{1}{2}$ "). This flexibility permits simple storage, as well as planning and modifications at short notice.

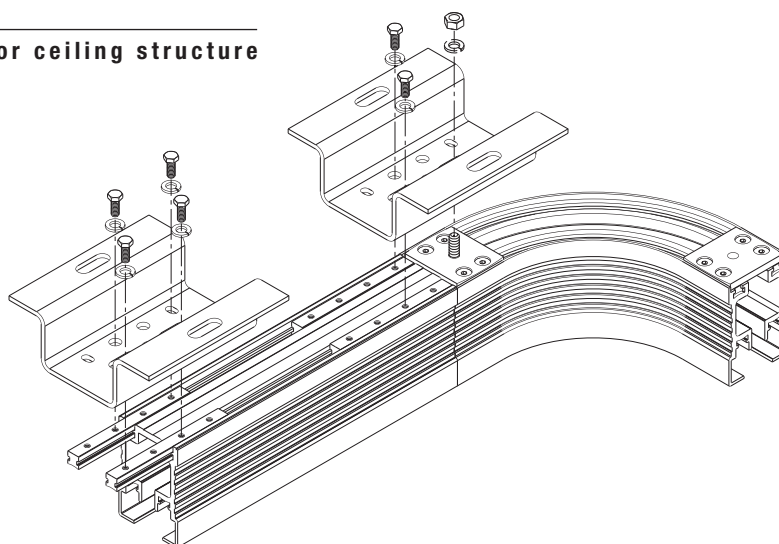
## Parking area with concealed interior



## Parking area without concealed interior

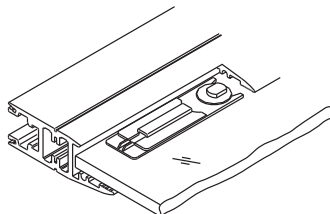


## Connecting bracket for ceiling structure



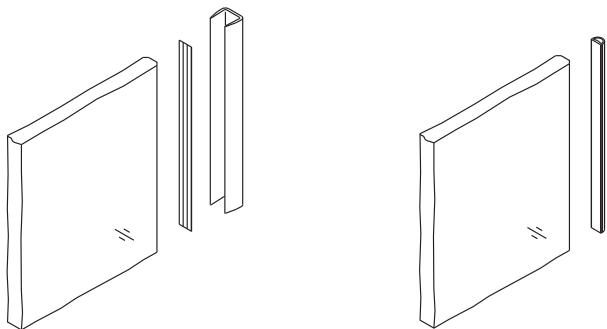
## Glass retention eccentric

A glass retention eccentric with side wedge permits optimum and simple attachment of the glass. Before installation, the glass ESG (fully tempered monolithic glass) or VSG (fully tempered laminated glass) have to be prepared with cutouts.



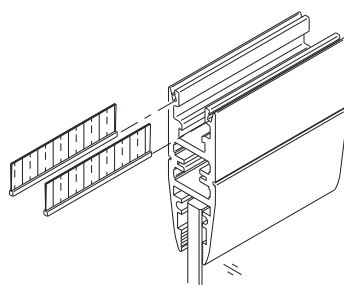
## Seals and glass edge protection

The system permits the integration of horizontal and vertical seals; these can also be fitted retrospectively. A transparent glass edge protection profile and the self-adhesive rubber profile are recommended to protect vertical glass edges. The latter not only protects the glass edge, but also reduces draughts to a minimum.



The glass edge protection profile is made of transparent plastic and is fitted to the glass edge with double-sided adhesive tape.

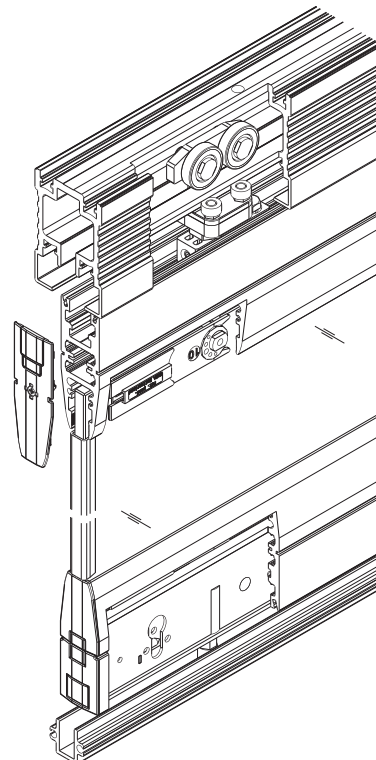
The self-adhesive rubber profile in black or translucent reduces draughts to a minimum and protects the glass edge.



The horizontal brush seal is inserted into the suspension profile and protects against draughts.

## Glass suspension and retainer profile

Unightly operating elements such as locks, top-fixed suspension and guide plates are integrated into the profile. The only visible component is a glass retainer which is of highly attractive design.



## Better safe than sorry

One- or two-bolt safety lock is available for securing all-glass sliding doors: single-turn with toughened bars and 20 mm ( $\frac{25}{32}$ ") feed, cylinder aperture 17 mm ( $\frac{11}{16}$ ") or 22 mm ( $\frac{7}{8}$ "), or with square/hexagon socket. Closure in bottom sleeve with spring-loaded cover or in the bottom guide channel.

## Accessories

Item codes and parts illustrations: → next pages

## Order specifications

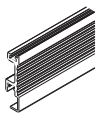
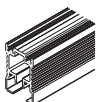
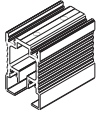



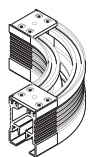
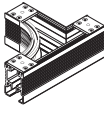
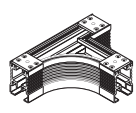



(Layout sketches of closed wall and available stacking space, with dimensions)

- Vertical cross-section of upper and lower situation
- Length and height of complete glass front
- Door width
- Door height
- Thickness of glass
- Type of stacking
- Quantity of sliding doors
- Quantity of pivot doors
- Quantity of swing doors
- Quantity of sliding pivot doors
- Quantity of sliding swing doors
- Type of glass protective edge profile

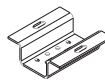

## Order specifications

Please contact us for planning and installation documentation.  
(→ [www.hawa.ch](http://www.hawa.ch) → Systemplanner)



## Running tracks

			code
	Single running track, alu plain anodized	6000 mm (19'8 <sup>7</sup> / <sub>32</sub> ")	15358
		cut to size	15360
	Dual running track, alu plain anodized, predrilled	6000 mm (19'8 <sup>7</sup> / <sub>32</sub> ")	15361
		cut to size	15362
	Servicing unit, dismountable, pivot fixing	100 mm (3 <sup>15</sup> / <sub>16</sub> ")	15380
	Cover plate for dual running track, alu plain anodized		15439
	Inner curve running track, alu plain anodized	15°	15377
		30°	15375
		45°	15373
		60°	15371
		75°	15369
		90°	15367
	Inner running track special curved segment Rm127, alu plain anodized	angle according to indication	19801
	Outer curve running track, alu plain anodized	15°	15376
		30°	15374
		45°	15372
		60°	15370
		75°	15368
		90°	15366
	Outer running track special curved segment Rm127, alu plain anodized	angle according to indication	19800
	Running track dual curved segment, for change in direction, alu plain anodized	15°	15718
		30°	15719
		45°	15720
		60°	15721
		75°	15722
		90°	15723
	Running track-special dual curved segment Rm127, alu plain anodized	angle according to indication	18667
	Running track curved segment, parking area branch, parking area left, alu plain anodized	45°	17551
		60°	15845
		75°	15843
		90°	15841
	Running track curved segment, parking area branch, parking area right, alu plain anodized	45°	17552
		60°	15846
		75°	15844
		90°	15842
	Top-fixing plate, alu plain anodized		15414
	Top-fixing plate, galvanized steel, for welding		15383
	Coupler to running track, galvanized steel		17232



## Connection bracket for ceiling structure

		code
	Connecting bracket for ceiling structure, without fixing parts	17045
	Assembly parts for connecting bracket for ceiling structure	19321

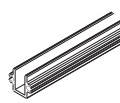

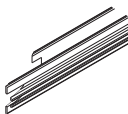

## Track stops

		code
	Running track stop complete, for single running track	13779
	Running track stop complete, for dual running track	13780

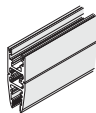
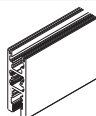
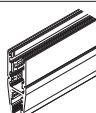
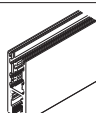
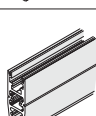
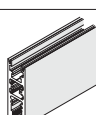

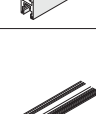
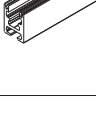
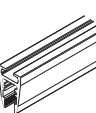

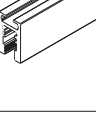


## Matching segments for dual running track

		code
	Matching segment for dual running track 45°–90° left	16173
	Matching segment for dual running track 45°–90° right	16174

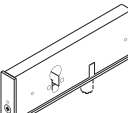
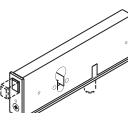
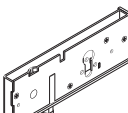
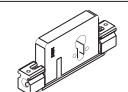
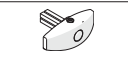




## Bottom guide channels

			code
	Bottom guide channel, alu plain anodized, predrilled	6000 mm (19'8 <sup>7</sup> / <sub>32</sub> ")	13688
		cut to size	13690
	Curved bottom guide channel, alu plain anodized, predrilled	15°	13644
		30°	13647
		45°	13650
		60°	13653
		75°	13656
		90°	13659
	Bottom guide channel special curved segment Rm127, alu plain anodized	angle according to indication	19645
	Matching segment for bottom guide channel 45°–90°	left	16778
		right	16779
	Connecting bolt, Ø 6 x 40 mm (1/4" x 1 15/32")		13759

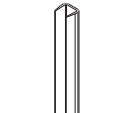
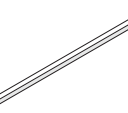
## Glass suspension and retainer profiles

Glass suspension and retainer profiles			code
	Glass suspension and retainer profile, alu unanodized	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	13576
		cut to size	13681
	Glass suspension and retainer profile, alu unanodized (straight profile)	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	23441
		cut to size	23442
	Glass suspension and retainer profile, alu unanodized, incl. lock cutout	1070 mm (3'6 <sup>1</sup> / <sub>8</sub> "	17300
	Glass suspension and retainer profile, alu unanodized, incl. lock cutout (straight profile)	1070 mm (3'6 <sup>1</sup> / <sub>8</sub> "	23477
	Glass suspension and retainer profile, alu plain anodized, brushed	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	16669
		cut to size	19868
Installations with sliding swing and sliding pivot doors cannot be carried out with anodized profiles ex stock.			
	Glass suspension and retainer profile, alu plain anodized, brushed (straight profile)	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	23440
		cut to size	23443
	Glass suspension and retainer profile, alu unanodized, height 230 mm (9 <sup>1</sup> / <sub>16</sub> "	4500 mm (14'9 <sup>3</sup> / <sub>16</sub> "	19180
		cut to size	19066
	Suspension profile, alu unanodized	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	13682
		cut to size	13683
	Suspension profile, alu plain anodized, brushed	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	21833
		cut to size	21834
	Glass suspension profile, alu unanodized	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	13684
		cut to size	13685
	Glass suspension profile, alu plain anodized, brushed	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	21835
		cut to size	21836
	Glass suspension profile, alu unanodized (straight profile)	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	23445
		cut to size	23446
	Glass suspension profile, alu plain anodized, brushed (straight profile)	6500 mm (21'3 <sup>3</sup> / <sub>32</sub> "	23503
		cut to size	23504
	Set of glass fixing parts, for 1 sliding door (4 pieces)	ESG <sup>1</sup> 10 mm (13 <sup>3</sup> / <sub>32</sub> "	13900
		ESG <sup>1</sup> 12 mm (15 <sup>3</sup> / <sub>32</sub> "	13901
		ESG <sup>1</sup> 12,7 mm (1 <sup>1</sup> / <sub>2</sub> "	13902
	Set of glass fixing parts, for 1 sliding door (4 pieces)	VSG <sup>2</sup> 2 x 5 mm (2 x 7 <sup>3</sup> / <sub>32</sub> "	21263
		VSG <sup>2</sup> 2 x 6 mm (2 x 3 <sup>1</sup> / <sub>4</sub> "	23542
	Fork spanner to glass holder insert		13817
	Installation tool for blocking keys 10–12,7 mm (13 <sup>3</sup> / <sub>32</sub> –1 <sup>1</sup> / <sub>2</sub> " glass		13710

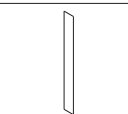

## Safety locks

			code
	One-bolt safety lock	profile cylinder 17 mm ( <sup>11</sup> / <sub>16</sub> "	13856
		round cylinder 22 mm ( <sup>7</sup> / <sub>8</sub> "	13857
		square/hexagon socket 7/8 mm	13855
	Two-bolt safety lock	profile cylinder 17 mm ( <sup>11</sup> / <sub>16</sub> "	13785
		round cylinder 22 mm ( <sup>7</sup> / <sub>8</sub> "	13786
		square/hexagon socket 7/8 mm	13784
	One-bolt safety lock with bottom guide pin	profile cylinder 17 mm ( <sup>11</sup> / <sub>16</sub> "	13999
		round cylinder 22 mm ( <sup>7</sup> / <sub>8</sub> "	14000
		square/hexagon socket 7/8 mm	14076
	Bar bolt lock, with retention pin, stainless steel WNR 1.4301/AISI 304	profile cylinder 17 mm ( <sup>11</sup> / <sub>16</sub> "	21225
	Thumbturn, chromium finish, with square pin 7 x 25 mm ( <sup>9</sup> / <sub>32</sub> " x <sup>31</sup> / <sub>32</sub> "		13789
	Security rose 12 mm ( <sup>15</sup> / <sub>32</sub> "	), for profile cylinder 17 mm ( <sup>11</sup> / <sub>16</sub> "	14147
	Floor-mounted sleeve with oblong hole and chromium-plated brass spring		13787
	Rosette for floor-mounted sleeve	13787	17326
	Strike plate, chromium-plated steel		13130

## Protective transparent edge trims

		glass	mm/inch	code
	Protective transparent edge profile, plastic	10 mm ( <sup>13</sup> / <sub>32</sub> "	3000 (9'10 <sup>1</sup> / <sub>8</sub> "	13822
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	13600
		12 mm ( <sup>15</sup> / <sub>32</sub> "	3000 (9'10 <sup>1</sup> / <sub>8</sub> "	13908
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	13907
		12,7 mm ( <sup>1</sup> / <sub>2</sub> "	3000 (9'10 <sup>1</sup> / <sub>8</sub> "	13912
			6000 (19'8 <sup>7</sup> / <sub>32</sub> "	13911
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> "	black	5 m (16'4 <sup>27</sup> / <sub>32</sub> "	19442
			10 m (32'9 <sup>23</sup> / <sub>32</sub> "	19443
			50 m (164' <sup>1</sup> / <sub>2</sub> "	19444
		translucent	5 m (16'4 <sup>27</sup> / <sub>32</sub> "	19445
			10 m (32'9 <sup>23</sup> / <sub>32</sub> "	19446
			50 m (164' <sup>1</sup> / <sub>2</sub> "	19447

## Brush seals



















			code
	Double-sided adhesive tape for protective edge trim, transparent	roll of 50 m (164' <sup>1</sup> / <sub>2</sub> "	13988
	Brush seal 2,6/18 mm ( <sup>1</sup> / <sub>8</sub> " / <sup>33</sup> / <sub>32</sub> "	920 mm (3' <sup>7</sup> / <sub>32</sub> "	16797
		1200 mm (3'11 <sup>1</sup> / <sub>4</sub> "	13791

<sup>1</sup>fully tempered monolithic glass




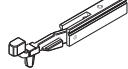
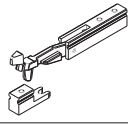
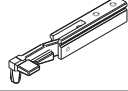
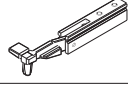

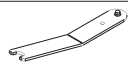
<sup>2</sup>fully tempered laminated glass

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

## Components for sliding door

			code
	Single-wheeled trolley, M14, with plastic-tyred wheel and suspension plate (sliding doors up to 100 kg [220 lbs.])		13778
	Two-wheeled trolley, M14, with plastic-tyred wheels and suspension plate (sliding doors up to 150 kg [330 lbs.])		13818
	Guide, rattle proof, with plastic slider 13 mm (1/2") and suspension block		13781
	Centering piece, single unit, alu plain anodized		19818
	Centering assembly 0–18°		16629
	Centering assembly 15–90° complete		17599
	Centering assembly 15–90° complete (straight profile)		23516
	Centering assembly with pivot		18271
	Cover cap, incl. fixing screw	black	19903
	Cover cap, incl. fixing screw (for straight profile)	black	23470
	Cover cap for 230 mm (9 1/16") tall profile	black	19884
	Cover cap for 230 mm (9 1/16") tall profile, matches floor locking lever and centering assembly	black	19885
	Suspension profile cover cap, plastic	black	13585
	Glass suspension profile cover cap, plastic	black	13586
	Glass suspension profile cover cap, plastic (for straight profile)	black	23437
	Cover cap complete for door performing change in direction	black	13587
	Cover cap complete for door performing change in direction (for straight profile)	black	23471
	Cover cap for 230 mm (9 1/16") tall profile, for changes in direction	black	19886

## Components for sliding door

			code
	Deadbolt lock 13 mm (1/2"), with guide pin, galvanized steel		14171
	Deadbolt lock	galvanized steel	14087
		inox	17130
	Thumbturn, chromium finish, with square pin 7 x 25 mm (9/32" x 31/32")		13789
	Floor locking lever		19820
	Floor locking lever 0–18°		19822
	Bottom locking device 18–90°, left, lateral operation (HAC)		20608
	Bottom locking device 18–90°, right, lateral operation (HAC)		20609
	Fork spanner SW 17/8/13 for trolley 70 kg (154 lbs.)		15459
	Fork spanner SW 22/12/13 for trolley 100–150 kg (220–330 lbs.)		15409
	Wrench, hexagon 5 mm (7/16"), SW 11 mm (7/16")		17110

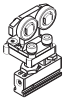















## Components for pivot door

			code
	Servicing unit, dismountable, 100 mm (3 <sup>15</sup> / <sub>16</sub> \"/>		15380
	Top pivot, without track element		16196
	Carrier, adjustable vertically, for pivot door		16325
	Thrust bearing, adjustable (with bottom guide channel)		22299
	Thrust bearing sleeve, Ø 30 mm (1 <sup>3</sup> / <sub>16</sub> \"/>		16326
	Pivot door catch complete		17897
	Exterior pivot bearing		16798
	Cover cap, incl. fixing screw	black	19903
	Cover cap, incl. fixing screw (for straight profile)	black	23470
	Suspension profile cover cap, plastic	black	13585
	Glass suspension profile cover cap, plastic	black	13586
	Glass suspension profile cover cap, plastic (for straight profile)	black	23437
	Cover cap complete for door performing change in direction	black	13587
	Cover cap complete for door performing change in direction (for straight profile)	black	23471




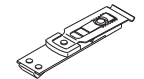
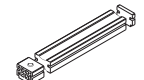
## Components for swing door

			code
	Servicing unit, dismountable, 100 mm (3 <sup>15</sup> / <sub>16</sub> \"/>		15380
	Top pivot, without track element		16196
	Driver for swing door with commercial bottom door closer		13276
	Cover cap, incl. fixing screw	black	19903
	Cover cap, incl. fixing screw (for straight profile)	black	23470
	Suspension profile cover cap, plastic	black	13585
	Glass suspension profile cover cap, plastic	black	13586
	Glass suspension profile cover cap, plastic (for straight profile)	black	23437
	Cover cap complete for door performing change in direction	black	13587
	Cover cap complete for door performing change in direction (for straight profile)	black	23471




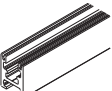
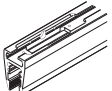
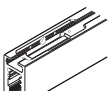
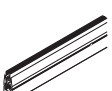
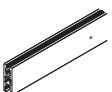






## Components for sliding pivot door

		code
	Two-wheeled trolley, M14, with plastic-tyred wheels and suspension plate (sliding pivot doors up to 90 kg [198 lbs.] and 3000 mm [9'10 1/8"] height)	13821
	Holding device	15398
	Stop plate	15429
	Suspension profile 1100 mm (3'7 5/16"), with cutout, alu unanodized	13868
	Glass suspension profile 1100 mm (3'7 5/16"), with cutout, alu unanodized	left 13861
		right 13862
	Lock complete	left 13823
		right 13824
	Pivot bearing, galvanized steel	13827
	Cover cap, incl. fixing screw	black 19903
		black 23470
	Suspension profile cover cap, plastic (top)	black 14211
		black 13585
	Suspension profile cover cap, plastic (bottom)	black 13586
		black 23437
	Glass suspension profile cover cap, plastic	galvanized steel 14087
		inox 17130
	Strike plate, chromium-plated steel	14088
	Hexagon key with plastic T-handle, 8/80 mm (5/16"/3 1/8")	13894
	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
	Surface-mounted top door closer GEZE TS 3000V with slide rail TS 5000	15515










## Components for sliding pivot door

		code
	Limit stop and baseplate to surface-mounted top door closer	15457
	Limit stop and baseplate to surface mounted top door closer (for straight profile)	24470
	Limit stop to surface-mounted top door closer	15451
	Locking unit for surface-mounted top door closer	15516
	Opening limiter for mounted top door closer	15517
	Instruction	14074

## Components for sliding swing door

			code
	Single-wheeled trolley, M14, with plastic-tyred wheels and suspension plate (sliding swing doors up to 90 kg [198 lbs.] and 3000 mm [9'10 5/8"] height)		13820
	Holding device		15398
	Stop plate		15429
	Suspension profile 1100 mm (3'7 5/16"), with cutout, alu unanodized		13868
	Suspension profile 1100 mm (3'7 5/16"), with cutout, alu plain anodized, brushed		21837
	Glass suspension profile 1100 mm (3'7 5/16"), with cutout, alu unanodized	left	13861
		right	13862
	Glass suspension profile, 1100 mm (3'7 5/16"), with cutout, alu plain anodized, brushed	left	21838
		right	21839
	Glass suspension profile 1100 mm (3'7 5/16"), with cutout, alu unanodized (straight profile)	left	23505
		right	23506
	Glass suspension profile, 1100 mm (3'7 5/16"), with cutout, alu plain anodized, brushed (straight profile)	left	23507
		right	23508
	Glass suspension/retainer profile 1100 mm (3'7 5/16") with cutout, alu unanodized	left	13872
		right	13873
	Glass suspension/retainer profile 1100 mm (3'7 5/16") with cutout, alu plain anodized, brushed	left	21840
		right	21841
	Glass suspension/retainer profile 1100 mm (3'7 5/16") with cutout, alu unanodized (straight profile)	left	23480
		right	23481
	Glass suspension/retainer profile 1100 mm (3'7 5/16") with cutout, alu plain anodized, brushed (straight profile)	left	23478
		right	23479
	Lock complete, for sliding swing door	left	13823
		right	13824
	Pivot bearing, galvanized steel		13827
	Cover cap, incl. fixing screw	black	19903
	Cover cap, incl. fixing screw (for straight profile)	black	23470
	Suspension profile cover cap, plastic (top)	black	14211
	Suspension profile cover cap, plastic (bottom)	black	13585

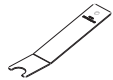
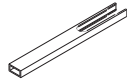


## Components for sliding swing door

			code
	Glass suspension profile cover cap, plastic	black	13586
	Glass suspension profile cover cap, plastic (for straight profile)	black	23437
	Coupling mechanism to floor door closer, galvanized steel		13825
	Floor door closer GEZE TS 520 with special axis for sliding swing door		13798
	Cover plate to floor door closer, chrome-nickel steel		13799
	Adapter for DORMA floor door closer		14178
	Connecting handle 8 mm (5/16")		15659
	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
	Instruction		14074

## Profile processing

		left	recht
Cutout for safety lock, for double cylinder	17 mm ( $\frac{11}{16}$ "	17987	17988
	22 mm ( $\frac{7}{8}$ "	17989	17990
Cutout for safety lock, for double cylinder (straight profile)	17 mm ( $\frac{11}{16}$ "	23482	23483
	22 mm ( $\frac{7}{8}$ "	23484	23485
Cutout for safety lock, for single cylinder	17 mm ( $\frac{11}{16}$ "	17993	17994
	22 mm ( $\frac{7}{8}$ "	17995	17996
Cutout for safety lock, for single cylinder (straight profile)	17 mm ( $\frac{11}{16}$ "	23486	23487
	22 mm ( $\frac{7}{8}$ "	23488	23489
Cutout for safety lock, square/hexagon socket		17991	17992
Cutout for safety lock, square/hexagon socket (straight profile)		23490	23491
Cutout for deadbolt lock for sliding pivot door		14085	14086
Cutout for deadbolt lock for sliding pivot door (straight profile)		23492	23493
Cutout deadbolt lock with guide pin		14186	14187
Cutout deadbolt lock with guide pin (straight profile)		23494	23495
Cutout for deadbolt lock, for side fixing		17973	17974
Cutout for deadbolt lock, for side fixing (straight profile)		23496	23497
Cutout for coupling mechanism for sliding swing door		14040	14041
Cutout for coupling mechanism for sliding swing door (straight profile)		23498	23499
Cutout lock for glass suspension profile SDT/SPT		14042	14043
Cutout lock for glass suspension profile SDT/SPT (straight profile)		23509	23510
Cutout for bottom locking device, lateral operation		20724	20725
Cutout for TGP, external pivot, opening inwards		16709	16710
Cutout for TGP, external pivot, opening inwards (straight profile)		23500	23501
Cutout for dual running track, for external pivot, opening inwards		16713	16714
Suspension profile processing for top door closer		15411	15416
Retainer profile processing for top door closer		15412	15415
Retainer profile processing for limit stop to surface mounted top door closer, axis of rotation (straight profile)		23511	23512
Retainer profile processing for surface mounted top doorcloser (straight profile)		24475	24476
Lock cutout incl. drilling for single cylinder 17 mm ( $\frac{11}{16}$ "		23150	23149
Lock cutout incl. drilling for single cylinder 17 mm ( $\frac{11}{16}$ " (straight profile)		23700	23699
Lock cutout in glass suspension/retainer profile 230 mm ( $9\frac{1}{16}$ "	17 mm ( $\frac{11}{16}$ "	19901	19902
	22 mm ( $\frac{7}{8}$ "	19017	19018
Lock cutout in glass suspension/retainer profile 230 mm ( $9\frac{1}{16}$ "		19019	19020
Lock cutout incl. drilling for 17 mm ( $\frac{11}{16}$ " double cylinder			19615
Lock cutout incl. drilling for 17 mm ( $\frac{11}{16}$ " double cylinder (straight profile)			23502
Cutout for holding device for running tracks with integrated cover			15421

## Tools

		code
	Fork spanner to glass holder insert	13817
	Installation tool for blocking keys 10–12,7 mm ( $\frac{13}{32}$ " – $\frac{1}{2}$ " glass	13710
	Fork spanner SW 17/8/13 for trolley 70 kg (154 lbs.)	15459
	Fork spanner SW 22/12/13 for trolley 100–150 kg (220–330 lbs.)	15409
	Wrench, hexagon 5 mm ( $\frac{3}{16}$ "	17110

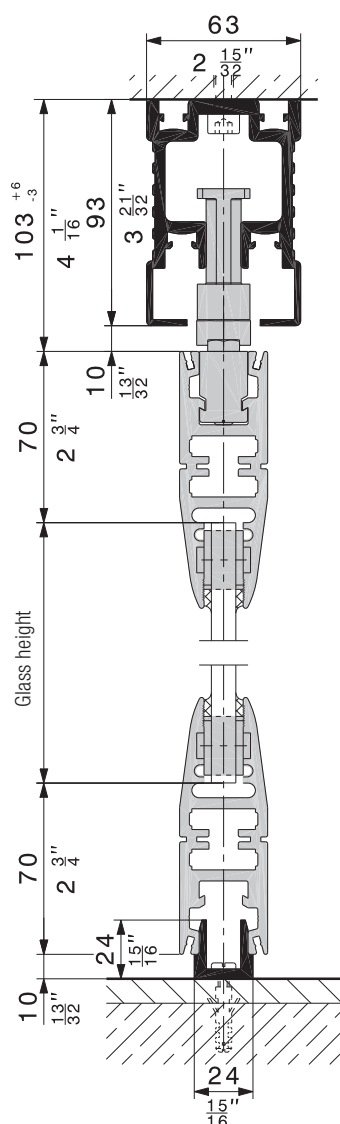
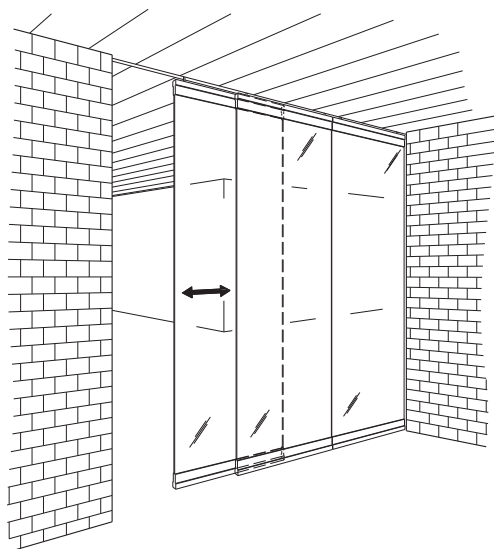
## Surface treatments

	code
Basic treatment fee to surface treatment, lump sum per colour	16741
Powdercoated to RAL tone No.	14163
Plain anodized, polished, brushed	14626
Stainless-steel effect, hard anodized, brushed, polished, mat finish	14378
Stainless-steel effect, nickel plated, brushed, mirror finish	14631
Chrome mirror finish	14630

## Services

	code
Bending and assembly of dual running track with special radius HAWA-Variotec	17294
Bending of running tracks and bottom guide channels for HAWA-Variotec special curved segments	16041
Machine set-up time for each profile	16040
Curving and preparing all special radii, per track	16038
Preliminary mounting parking area	15653
Additional packing share for each Variotec/Combitec parking area	15654
Project processing/CAD planning, per hour	14035
Installation assistance per day, without expenses, net	17111
Installation assistance per hour, without expenses, net	17112

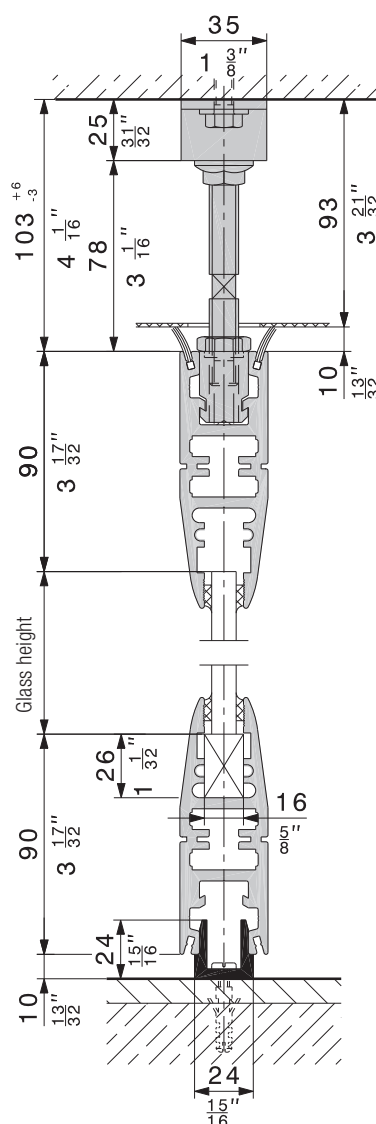
You can combine fixed glass designs and sliding doors to form a harmonious unit using our supplementary HAWA-Fixed Glass hardware components. In this way you can ensure the best possible prerequisites for providing a uniform complete solution.



			code
	Top fixing plate set for fixed glass, with hanger bolt M12, HAWA-Variotec 150/GV		14688
	Retainer device for fixed glass with dual running track		15803
	Bottom profile, alu plain anodized, undrilled	6000 mm (19'8 <sup>7</sup> / <sub>32</sub> ")	14691
		cut to size	14692

- Number and type of top-fixing plate sets
- Length of bottom profile

For planning and installation purposes, please use the installation drawing code 15805. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



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





This aesthetic frame profile with just 24 mm ( $\frac{15}{16}$ ") visible width offers enhanced security and rigidity for tall glass structures. The profile reduces glass bowing, makes it difficult to force open tall doors and protects the glass edges. Integrated horizontal brush seals combined with a vertical rubber seal protect against draughts and facilitate effective isolation of air-conditioned rooms or unheated conservatories by limiting the air volume.

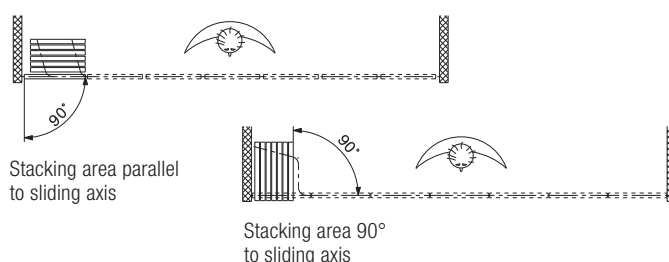
Anywhere that requires enhanced security and rigidity, plus draught-proofing of tall glass constructions, e.g. unheated conservatories, shopping centres, restaurants, banks, airports, stations or office premises.

- Modular system
- Filigree frame system with just 24 mm ( $\frac{15}{16}$ ") visible width
- Changes in direction between 16° and 90° are possible
- Maximum panel weight 150 kg (330 lbs.)
- Recommended maximum panel height 3500 mm (11'5  $\frac{13}{16}$ ")
- No glass cut-outs required
- Protects against draughts
- Enhanced rigidity for tall glass structures
- All hardware built-in to the profile
- Secure locking
- Combinable with HAWA-Motus 150/GV-matic

Both glass ESG (fully tempered monolithic glass) and VSG (fully tempered laminated glass) can be used.

- Glass thickness sliding door ESG (fully tempered monolithic glass):  
10/12/12,7 mm ( $\frac{13}{32}/\frac{15}{32}/\frac{1}{2}$ "), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass):  
up to 13 mm ( $\frac{17}{32}$ ")
- All glass edges are seamed

Thanks to customizable changes of direction and an option for installations with curved rails, virtually any floor plan layout is possible.



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

Technical drawings of the 10/12/12.7 valve, showing three views: top, side, and front.

**Top View Dimensions:**

- Overall diameter: 63
- Flange diameter:  $2 \frac{15}{32}$ "
- Central port diameter: M 8
- Valve body diameter: 93
- Valve body length:  $3 \frac{21}{32}$ "
- Valve body to flange distance:  $103 \frac{+6}{-3}$
- Valve body to flange distance (alternative):  $4 \frac{1}{16}$ "






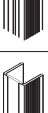


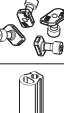
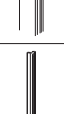
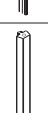



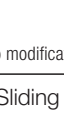

**Side View Dimensions:**


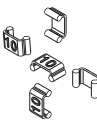

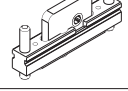
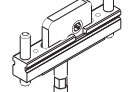
- Valve body diameter: 10 / 12 / 12.7
- Valve body length:  $13 \frac{1}{32}$ "
- Valve body length:  $15 \frac{1}{32}$ "
- Valve body length:  $2 \frac{1}{2}$ "
- Valve body length: 105
- Valve body length:  $4 \frac{1}{8}$ "
- Valve body length: 10
- Valve body length:  $13 \frac{1}{32}$ "
- Valve body length: 38
- Valve body length:  $1 \frac{1}{2}$ "
- Valve body length:  $1 \frac{3}{16}$ "
- Valve body length:  $\varnothing 30$ "

**Front View Dimensions:**

- Valve body diameter: 36
- Valve body length:  $1 \frac{13}{32}$ "
- Valve body length: 20
- Valve body length:  $25 \frac{1}{32}$ "
- Valve body length: 32
- Valve body length:  $1 \frac{1}{4}$ "
- Valve body length: 28
- Valve body length:  $1 \frac{3}{32}$ "

## Profiles for HAWA-Variotec 150/GR frame profile

			code
	Vertical profile, alu unanodized	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17730
		cut to size	17731
	Vertical profile No. 1, alu unanodized, for change in direction	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17724
		cut to size	17725
	Vertical profile No. 2, alu unanodized, for change in direction	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17727
		cut to size	17728
	Stop profile, alu unanodized	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17760
		cut to size	17761
	Wall-mounting profile, alu unanodized	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17739
		cut to size	17741
	Cover profile, alu unanodized	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17950
		cut to size	17951
	Cover profile for pivot door, alu unanodized	6500 mm (21'3 <sup>33</sup> / <sub>32</sub> " )	17948
		cut to size	17949
	Set of fixing parts, set for 1 door		18287
	Set of fixing parts, for changes in direction for vertical profile No. 1, set of 4 pieces		17962
	Set of fixing parts, for changes in direction for vertical profile No. 2, set of 4 pieces		17961
	Rubber for vertical profile, black	20 m (65'7 <sup>13</sup> / <sub>32</sub> " )	17733
	Rubber for vertical profile No. 2, black	5 m (16'4 <sup>27</sup> / <sub>32</sub> " )	17768
	Rubber profile for pivot door stop profile, black	5 m (16'4 <sup>27</sup> / <sub>32</sub> " )	17766
	Cover cap, black		17776
	Set of cover caps for 1 pivot door, black		18048
	Screws for cover cap fixing, set of 50 pieces (for 5 doors)		18012

	Fixing part for cover caps		17858
	Centering clamps for glass, set of 50 pieces	10 mm ( <sup>3</sup> / <sub>8</sub> " )	18013
		12 mm ( <sup>1</sup> / <sub>2</sub> " )	18014
		12,7 mm ( <sup>1</sup> / <sub>2</sub> " )	18015
	Cover cap retention piece for deadbolt lock and safety lock		17921
	Deadbolt lock 13 mm ( <sup>1</sup> / <sub>2</sub> " ), for frontal mounting		17917
	Deadbolt lock 13 mm ( <sup>1</sup> / <sub>2</sub> " ), for frontal mounting, stainless steel WNR. 1.4301/AISI 304		18001
	Deadbolt lock 13 mm ( <sup>1</sup> / <sub>2</sub> " ), with guide pin for frontal mounting		17964

## Services for HAWA-Variotec 150/GR frame profile

	code
Bottom and top drillings for vertical profile	18314
Bottom and top drillings for stop profile	18315
Drillings for vertical profile No. 1	18316
Drillings for vertical profile No. 2	18317

		left	right
Cutout for safety lock, for double cylinder	17 mm ( <sup>11</sup> / <sub>16</sub> " )	17987	17988
	22 mm ( <sup>7</sup> / <sub>8</sub> " )	17989	17990
Cutout for safety lock, for single cylinder	17 mm ( <sup>11</sup> / <sub>16</sub> " )	17993	17994
	22 mm ( <sup>7</sup> / <sub>8</sub> " )	17995	17996
Cutout for safety lock, square/hexagon socket		17991	17992
Cutout for deadbolt lock, for side fixing		17973	17974

## Automatic installations

HAWA-Variotec 150/GR frame profile and HAWA-Motus 150/GV-matic are combinable in automatic installations. Advice and assembly by authorised fitters.

## Order specifications

- Length and height of the overall glass frontage (LMB)
- Type of stacking area
- Floor plan drawing, scale 1:50 (as DXF file where possible)

## Planning/installation

For planning and installation purposes, please use the installation drawing code 18199. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

Please refer to the following documentation for planning and installation of the bottom guide channels and running tracks:  
 Planning instructions Nr. 15806 HAWA-Variotec 150/GV  
 Installation plan Nr. 15805 HAWA-Variotec 150/GV

## Hardware system for heavyweight all-glass sliding doors and all-glass sliding walls weighing up to 400 kg (880 lbs.).

### Description

The HAWA-Shopfront 103G/400 and 112G/400 are tried and tested hardware systems for heavyweight all-glass sliding wall installations. The first panel can be installed as a revolving door on the side that is opposite the stacking area. Depending on the given situation, it is also possible to install a revolving door close to the stacking area. The HAWA-Shopfront is able to meet requirements for up to 400 kg (880 lbs.) per all-glass sliding door, but can also be modified to handle other special wishes. If you need hardware systems for all-glass doors weighing less than 150 kg (330 lbs.), please ask us for further information.

### Applications

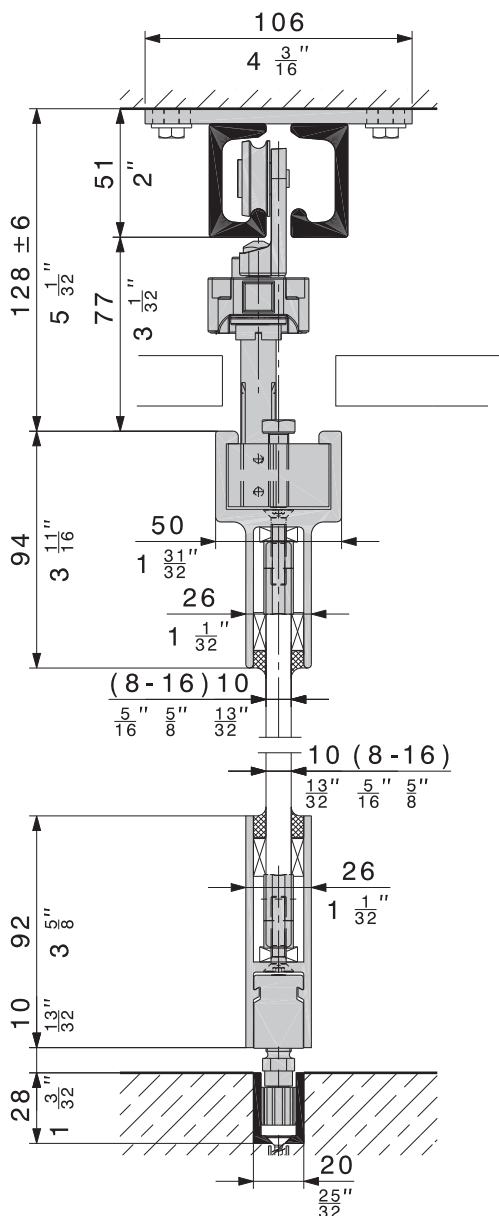
These hardware systems are suitable for use wherever heavy-weight doors call for a high degree of quality and precision, e.g. in shopping centres, public buildings, industrial premises and the administrative sector.

### Features of the HAWA-Shopfront 400/G

- Two-wheeled trolley with steel wheels
- Stainless steel running tracks WNR 1.4301/AISI 304
- Minimum axis radius, 4000 mm (13'1 1/2")
- Smooth and quiet operation
- Suitable for heavyweight all-glass sliding-wall installations
- Minimal space requirement for stacking
- Customized solutions

### Glass thickness

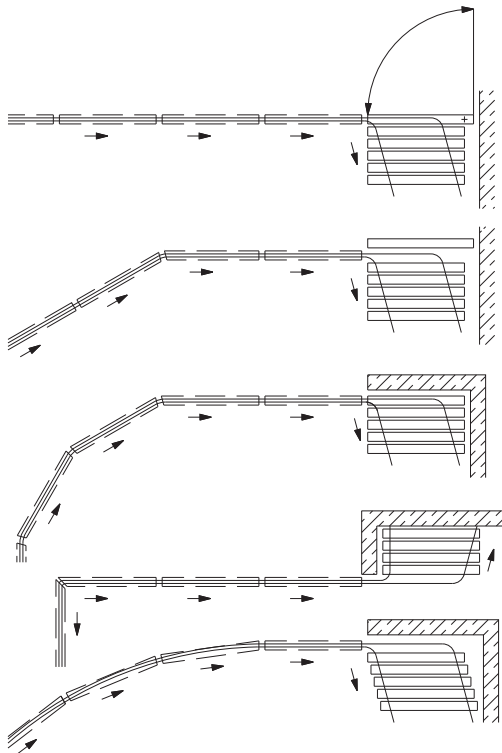
- Glass thickness ESG (fully tempered monolithic glass):  
8–16 mm ( $\frac{5}{16}$ "– $\frac{5}{8}$ " )  
For tall doors, we recommend glass thicknesses  
ESG (fully tempered monolithic glass): 12–16 mm ( $\frac{15}{32}$ "– $\frac{5}{8}$ " ).



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

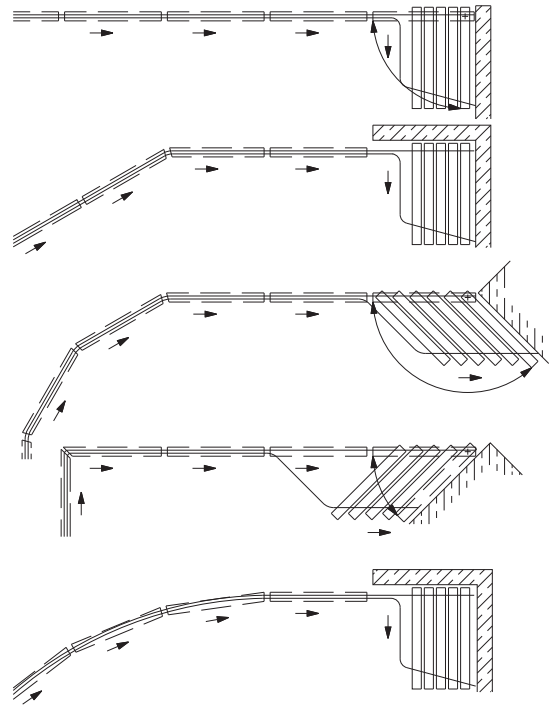
## HAWA-Shopfront 103G/400

Sliding panels are stacked parallel to the closing plane.



## HAWA-Shopfront 112G/400

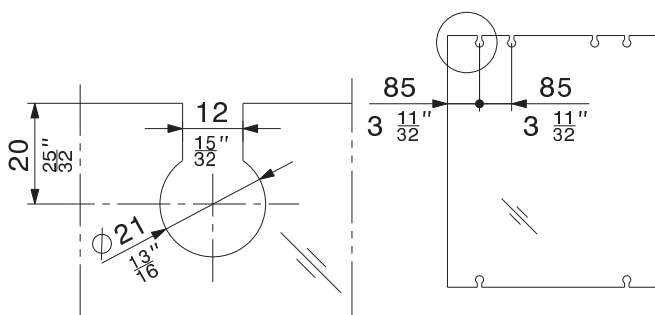
Sliding panels are stacked at an angle to the closing plane.



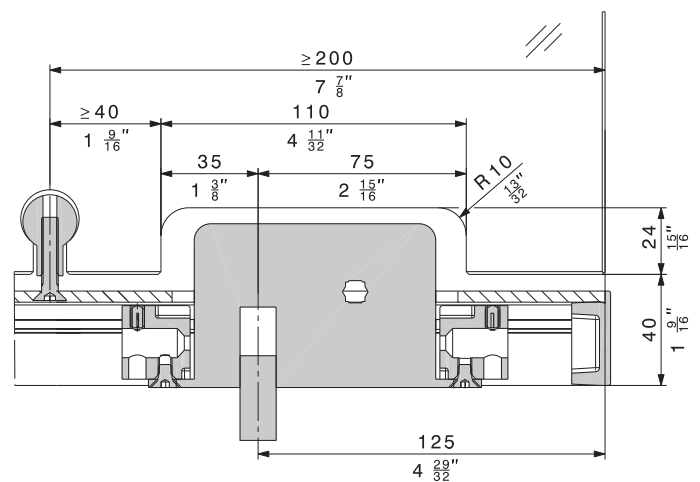
## Glass cutouts

The glass ESG (fully tempered monolithic glass) must be provided with cutouts for installation of the glass holder inserts and the safety locks.

- Glass thickness sliding door ESG (fully tempered monolithic glass): 8–16 mm ( $\frac{5}{16}$ " –  $\frac{5}{8}$ "), Dickentoleranz  $\pm 0,3$  mm
- All glass edges are seamed; maximum 1 mm ( $\frac{1}{16}$ ") in the glass cutout

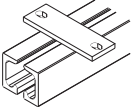
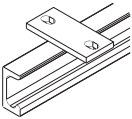


Glass cutout for glass holder

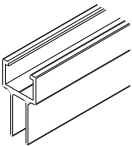
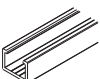

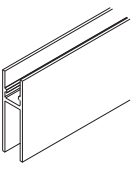
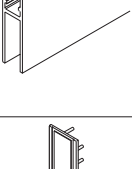

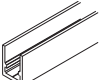



Glass cutout for safety locks

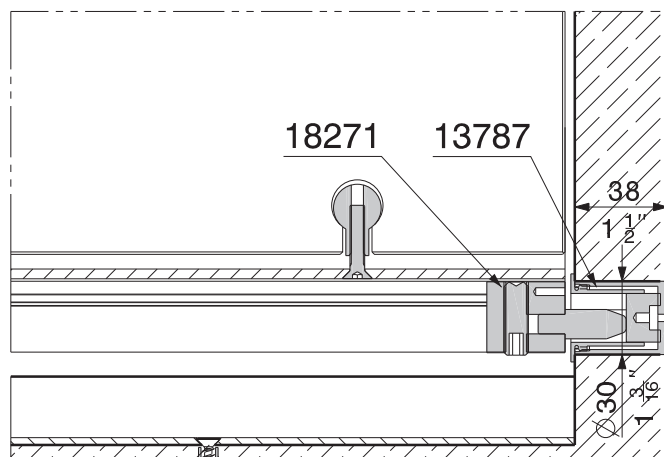
## Running tracks

		code
	Dual running track, stainless steel WNR. 1.4301/AISI 304, with mounting flanges	cut to size 18038
	Single running track, stainless steel WNR. 1.4301/AISI 304, with mounting flanges	cut to size 18036

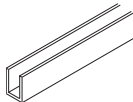
## Glass suspension and retainer profiles

		mm/inch	code
	Glass suspension and retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 3/8")	13155
	cut to size		13156
	Suspension profile, alu unanodized, undrilled	6500 (21'3 3/8")	10332
	cut to size		13071
	Cover cap for suspension profile 13155 / 13156 / 10332 / 13071, grey		10619
	Glass suspension/retainer profile, alu plain anodized, brushed undrilled, glass up to 16 mm (5/8")	6500 (21'3 3/8")	21783
	cut to size		21784
	Glass suspension/retainer profile, alu unanodized, undrilled, glass up to 16 mm (5/8")	6500 (21'3 3/8")	13158
	cut to size		13159
	Cover cap for glass suspension/retainer profile 21783 / 21784 / 13158 / 13159, plastic anthracite-grey RAL 7016		21085
	Suspension profile, alu plain anodized, undrilled	6500 (21'3 3/8")	10345
	cut to size		12915
	Cover cap for suspension profile, plastic anthracite-grey RAL 7016		20907


















## Wall connection

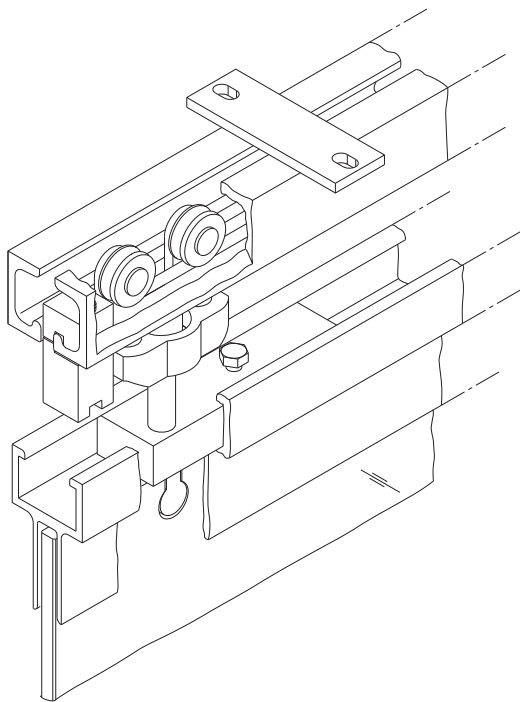


## Bottom guide channels

Caution: Hole positions vary	mm/inch	code
	6000 (19'8 3/32")	10245
	cut to size	10247

## Accessories

		code
	Welding jig for dual running track, steel	10794
	Track stop, galvanized steel	10595
	Two-wheeled trolley, steel wheels and hanger bolt M14	10366
	Suspension plate M14, with fixing screws, galvanized steel	10449
	Glass holder insert, plastic with screw M6 x 30 mm	10792
	Pivot assembly, complete	10703
	Driver, vertically adjustable, for pivot door	16325
	Thrust bearing, adjustable, Inox, for fitting into bottom guide channel	22299
	Thrust bearing sleeve, Ø 30 mm (1 1/16"), for pivot door	16326
	Guide, rattle proof, plastic, 14 mm (9/16"), with suspension block	13781
	Centering assembly, complete	10556
	Centering assembly with pivot	18271
	Floor-mounted sleeve with oblong hole and chromium plated brass spring cover	13787
	Rosette for floor-mounted sleeve 13787	17326
	Strike plate, chromium-plated steel	13130
	Thumbturn, dull chromium finish, with square pin 7 x 20 mm (9/16 x 3/4)	12620
	Fork spanner SW 22/12, pivot door vertical adjustment	15409



## Integrated locks

			code
	Bar bolt lock, with retention pin	profile cylinder 17 mm ( $\frac{11}{16}$ " )	16760
		round cylinder 22 mm ( $\frac{7}{8}$ " )	16761
		square/hexagon socket	16762
	Bar bolt lock, with guide pin and fixing parts	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18484
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18485
		square/hexagon socket	18486
	Security rose 16 mm ( $\frac{5}{8}$ " ), for double cylinder 17/61 mm ( $\frac{11}{16}$ " / $2\frac{13}{32}$ " ), chrome nickel steel		18502
	Spacer for security rose	profile cylinder 17 mm ( $\frac{11}{16}$ " )	18493
		round cylinder 22 mm ( $\frac{7}{8}$ " )	18494

## Cutouts

	code
Cutout, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for double cylinder	18489
Cutout left, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21331
Cutout right, bar bolt lock for 17 mm ( $\frac{11}{16}$ " ), for single cylinder	21332
Cutout, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for double cylinder	18490
Cutout left, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21333
Cutout right, bar bolt lock for 22 mm ( $\frac{7}{8}$ " ), for single cylinder	21334
Cutout, bar bolt lock, left, square/hexagon socket	18492
Cutout, bar bolt lock, right, square/hexagon socket	18491

## Services

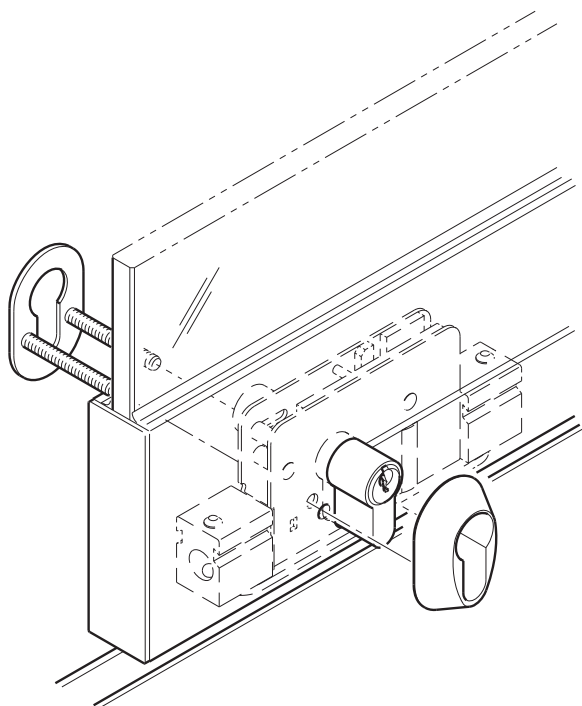
We will provide the following services at extra cost (prices on request): project processing, bending and shaping running tracks and bottom guide channels, countersinking for lock assembly and cylinder, plus surface treatments.

## Better safe than sorry

An integrated bar bolt lock compatible with the 17 mm ( $\frac{11}{16}$ " ) profile cylinder, 22 mm ( $\frac{7}{8}$ " ) round cylinder and square/hexagon socket is available for securing all-glass sliding doors.

## Planning/installation

For planning and execution please order the installation drawings code 12409 HAWA-Shopfront 400/G – parallel and code 12410 HAWA-Shopfront 400/G – 90°. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



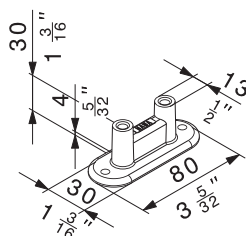
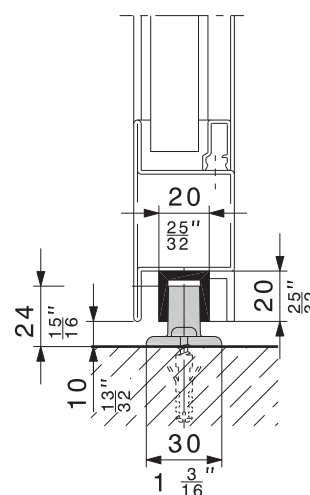
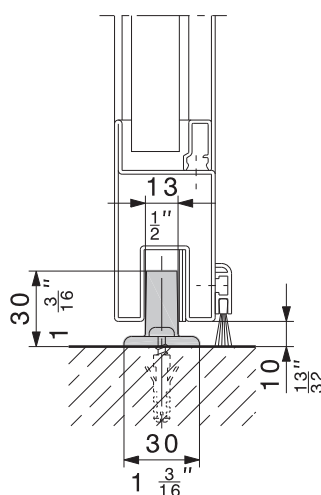
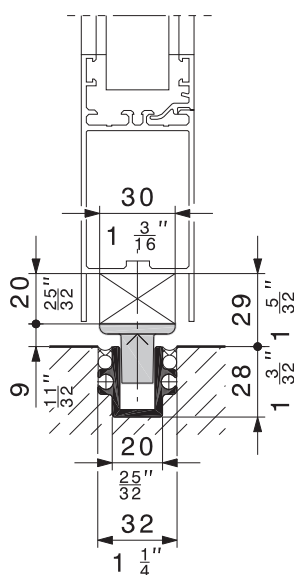
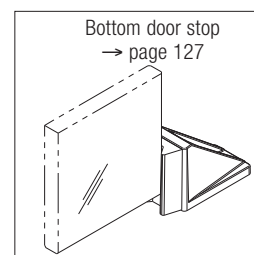
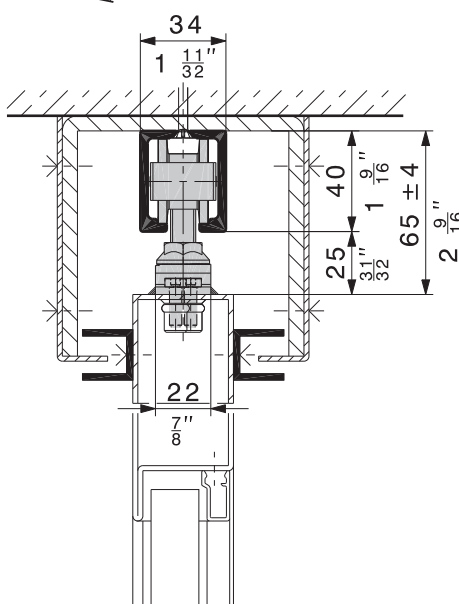
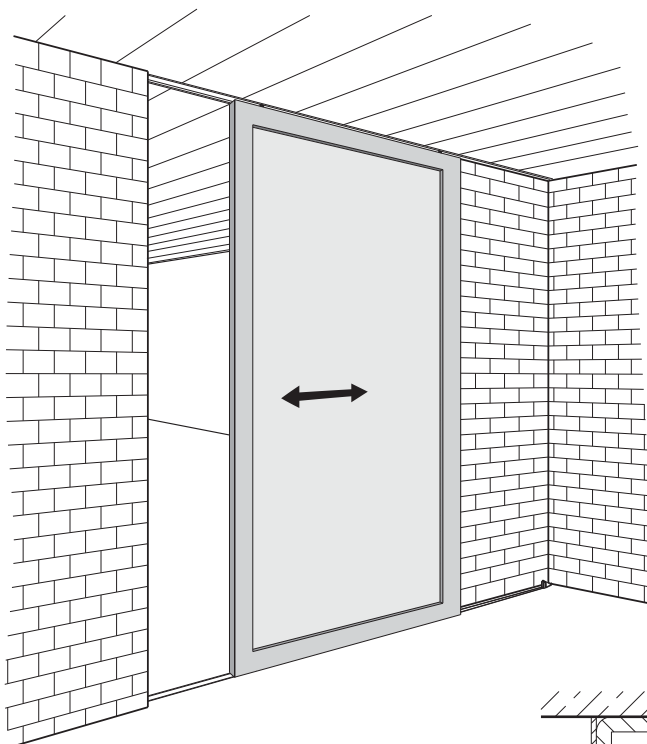
**Hardware system for metal sliding doors weighing up to 80 kg (176 lbs.).**

## Description

The HAWA-Junior 80/M is a high-quality sliding door hardware system for metal doors for use both internally and externally.

## Features of the HAWA-Junior 80/M

- Two-wheeled trolley, with plastic wheels
- Smooth and quiet operation
- Vertical and lateral adjustment
- Track stop with adjustable retaining spring
- Steel suspension bracket for welding or bolting
- Soft closing mechanism SoftMove 80 for HAWA-Junior 80








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

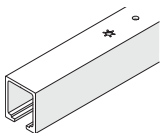
## Set for single door

	code
HAWA-Junior 80/M	25688
For two-panel sliding doors please order two sets for single doors.	

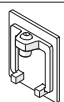
## Partial set comprising

		pieces	code
	Two-wheeled trolley, M10, with plastic wheels	2	10407
	Top-fixing plate, galvanized steel, with hanger bolt M10 and fixation screw	2	14487
	Track stop, adjustable retaining force	2	24497
	Screw-on rubber door stop	1	10629
	Floor-mounted guide, plastic (the height can be shortened by the customers)	1	10509

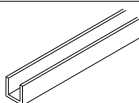
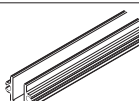

## Running tracks

Caution: Hole positions vary		mm/inch	code
	Running track, alu plain anodized, predrilled	1400 (4'7 $\frac{1}{8}$ " )	10189
		1600 (5'3" )	10190
		1800 (5'10 $\frac{7}{8}$ " )	10191
		2000 (6'6 $\frac{3}{4}$ " )	10192
		2200 (7'2 $\frac{3}{8}$ " )	10193
		2500 (8'2 $\frac{1}{16}$ " )	10194
		3000 (9'10 $\frac{1}{8}$ " )	18532
		4000 (13'1 $\frac{1}{2}$ " )	18533
		6000 (19'8 $\frac{7}{32}$ " )	10186
		cut to size	10188

## Cover cap to running track

	code
	24956

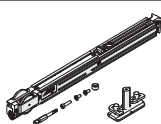
## Bottom guide channels

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 20 x 20 x 3 mm (3/8" x 3/8" x 1/8" )	6000 (19'8 $\frac{7}{32}$ " )	14414
		cut to size	14415
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm (1 1/8" x 1 1/8" )	6000 (19'8 $\frac{7}{32}$ " )	13688
		cut to size	13690
	Connecting bolt, Ø 6 x 40 mm (1/4" x 1 19/32" )		13759

## Assessories

			code
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

## SoftMove 80 soft closing mechanism for Hawa-Junior 80

	code
	22444

## Accessories

Accessories: → pages 120–129

## Order specifications

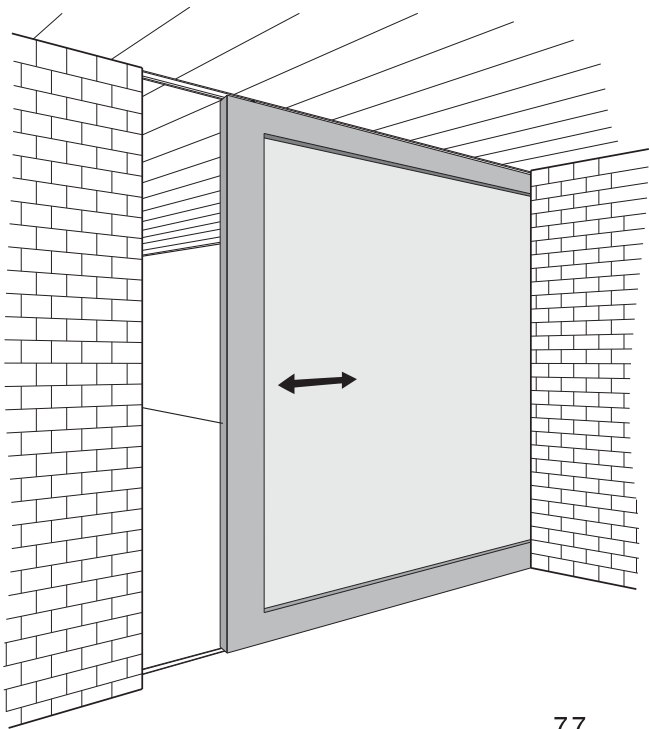
- Quantity of sets
- Running track length
- Type and length of bottom guide channel
- Door width and door height

## Metal sliding doors of up to 120/160 kg (264/352 lbs.)

Metal sliding doors over 80 kg (176 lbs.) can be implemented with HAWA-Junior 120/A and HAWA-Junior 160/A.

## Planning/installation

For planning and installation purposes, please use the installation drawing code 18182. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



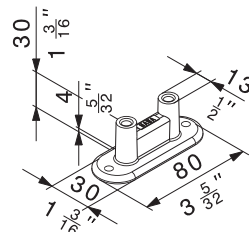
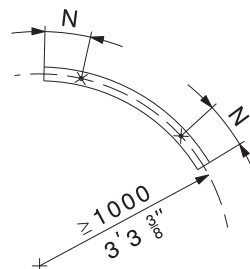
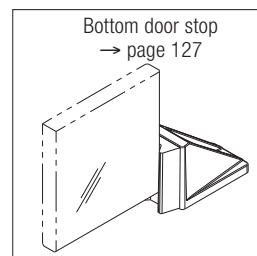
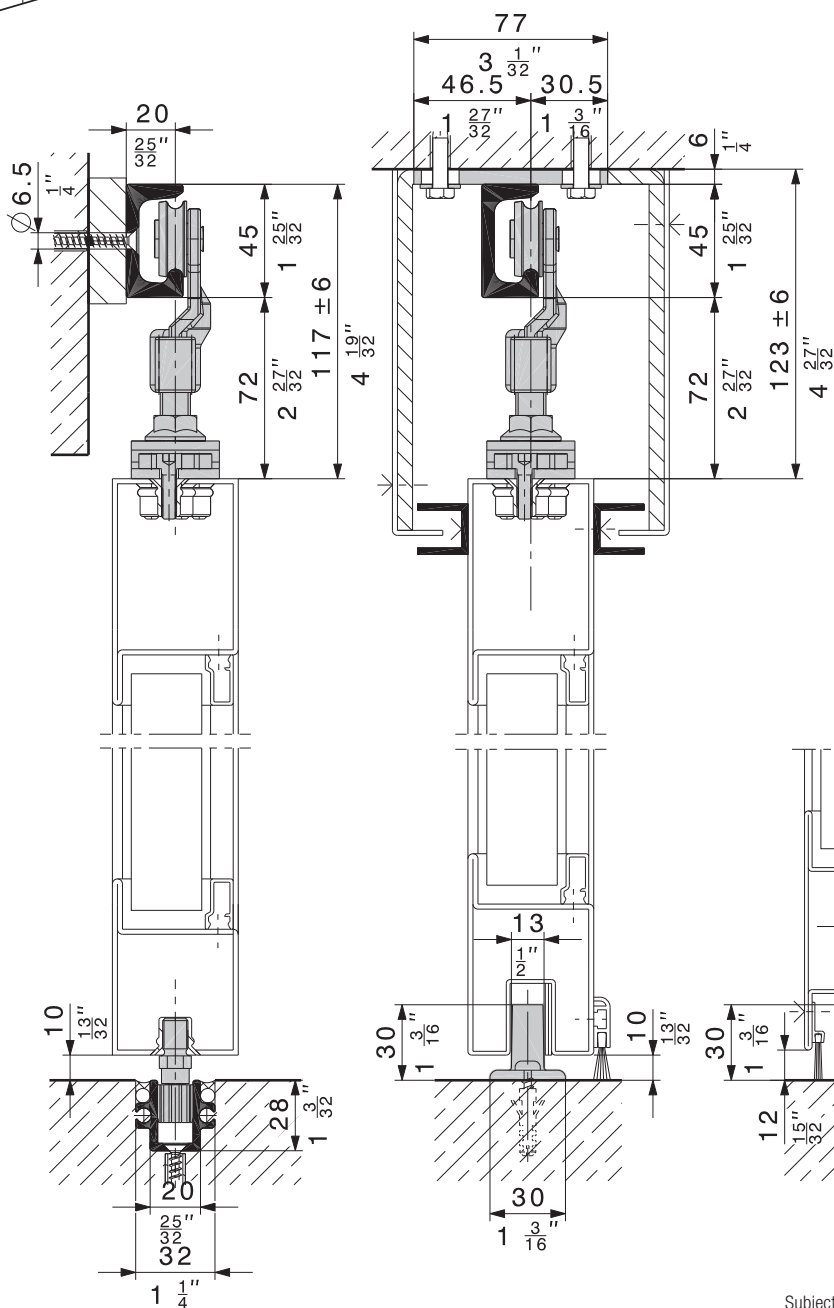
**Hardware system for heavy weight metal sliding doors up to 250 kg (550 lbs.). Suitable for use with sliding fire doors.**

### Description

HAWA-Super 250/M proven over the years for heavy metal doors. Very well suited for fire-retarding applications.

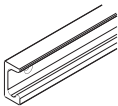
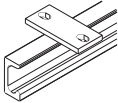
## Features of the HAWA-Super 250/M

- Trolley with ball-bearing steel wheels
- Simple to installation
- Minimum axis radius, 1000 mm (3'3  $\frac{3}{8}$ ")
- Robust design
- Suitable for use with sliding fire doors
- Steel top bracket for bolting



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

## Running tracks

Caution: Hole positions vary			mm/inch	code
	Single running track, stainless steel WNR 1.4301/AISI 304	side-drilled	6000 (19'8 $\frac{7}{32}$ ")	18033
			cut to size	18034
	Single running track, stainless steel WNR 1.4301/AISI 304	top-mounting flanges	6000 (19'8 $\frac{7}{32}$ ")	18035
			cut to size	18036

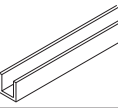
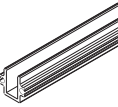

## Order specifications

- Quantity of trolleys
- Quantity of top-fixing plates
- Quantity of track stops
- Type and length of running track
- Type and length of bottom guide channel
- Quantity and type of floor-mounted guide
- Width and height of door








## Planning/installation

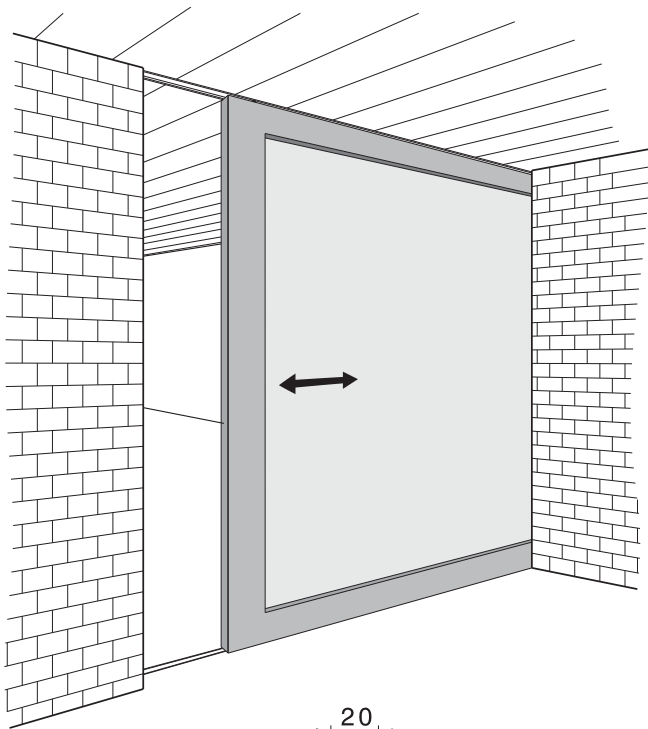
For planning and installation purposes, please use the installation drawing code 14586. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Bottom guide channels

Caution: Hole positions vary			mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 20 x 20 mm ( $\frac{25}{32}$ " x $\frac{25}{32}$ ")		6000 (19'8 $\frac{7}{32}$ ")	14414
			cut to size	14415
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm ( $1\frac{7}{32}$ " x $1\frac{1}{8}$ ")		6000 (19'8 $\frac{7}{32}$ ")	13688
			cut to size	13690
	Connecting bolt, Ø 6 x 40 mm ( $\frac{1}{4}$ " x $1\frac{19}{32}$ ")			13759

## Accessories

			code
	Two-wheeled trolley, M12, with steel wheels		13495
	Top-fixing plate, galvanized steel, with hanger bolt M12, and fixation screws		14489
	Track stop, galvanized steel, to be drilled into the track		10595
	Screw-on rubber door stop		13114
	Guide plastic 14 mm ( $\frac{9}{16}$ ") with bolt M10		14474
	Floor-mounted guide, plastic (the height can be shortened by the customers)		10509
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473



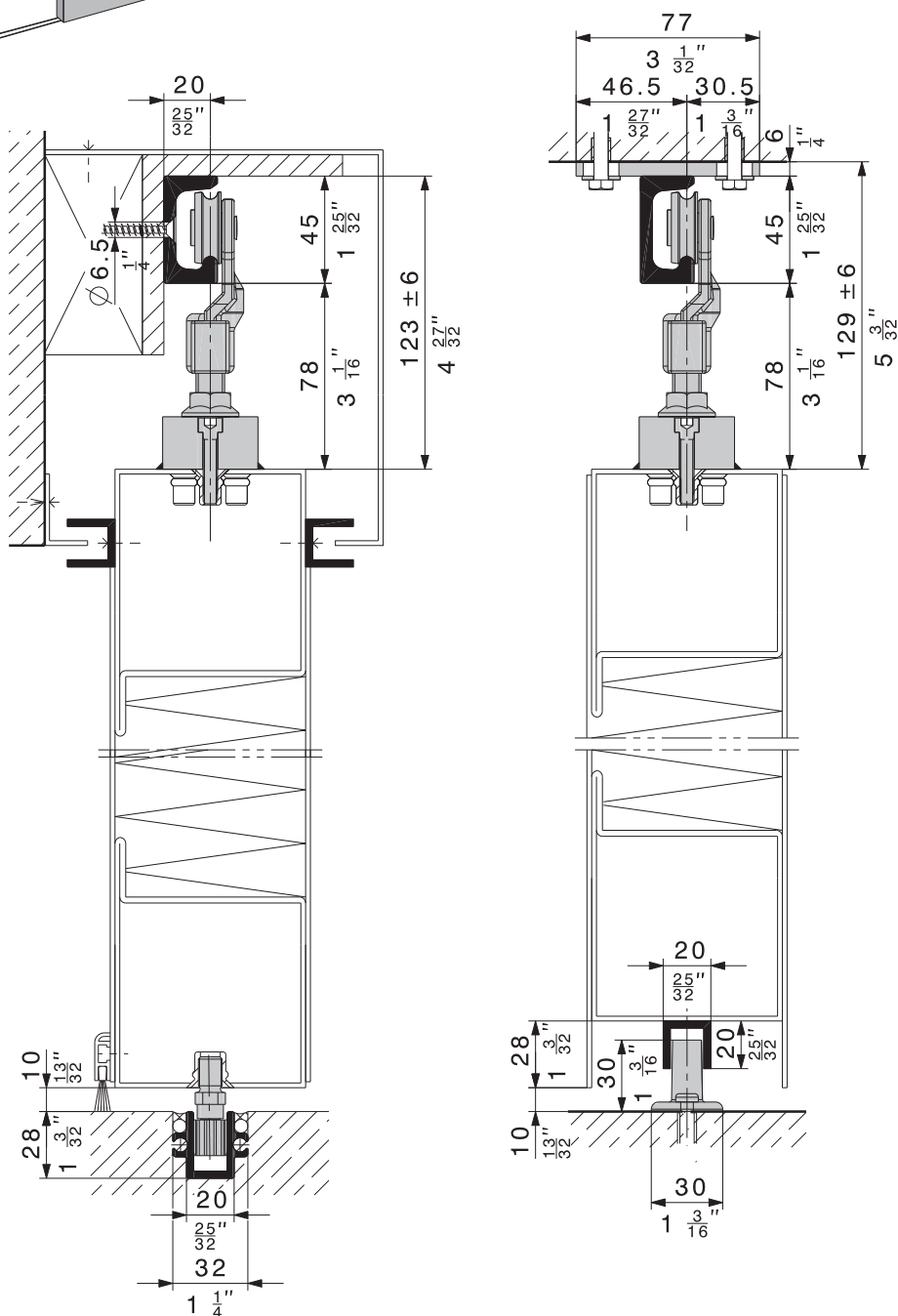
**Hardware system for heavyweight metal sliding doors up to 500 kg (1100 lbs.). Suitable for use with sliding fire doors.**

## Description

HAWA-Super 500/M proven over the years for heavy metal doors. Very well suited for fire-retarding applications.

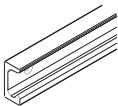
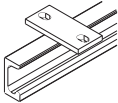
## Features of the HAWA-Super 500/M

- Trolley with ball-bearing steel wheels
- Simple to install
- Robust design
- Suitable for use with sliding fire doors
- Steel top bracket for bolting



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

## Running tracks

Caution: Hole positions vary			mm/inch	code
	Single running track, stainless steel WNR 1.4301/AISI 304	side-drilled	6000 (19'8 $\frac{7}{32}$ ")	18033
			cut to size	18034
	Single running track, stainless steel WNR 1.4301/AISI 304	top-mounting flanges	6000 (19'8 $\frac{7}{32}$ ")	18035
			cut to size	18036

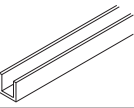
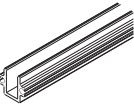

## Order specifications

- Quantity of trolleys
- Quantity of suspension plates
- Quantity of track stops
- Type and length of running track
- Type and length of bottom guide channel
- Quantity and type of bottom guides
- Door width and door height








## Planning/installation

For planning and installation purposes, please use the installation drawing code 14587. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Bottom guide channels

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 20 x 20 mm ( $\frac{25}{32}$ " x $\frac{25}{32}$ ")	6000 (19'8 $\frac{7}{32}$ ")	14414
		cut to size	14415
	Bottom guide channel, alu plain anodized, predrilled, 31 x 28 mm ( $1\frac{7}{32}$ " x $1\frac{1}{8}$ ")	6000 (19'8 $\frac{7}{32}$ ")	13688
		cut to size	13690
	Connecting bolt, Ø 6 x 40 mm ( $\frac{1}{4}$ " x $1\frac{19}{32}$ ")		13759

## Accessories

		code
	Three-wheeled trolley, M12, with steel wheels	10361
	Suspension plate, galvanized steel, with suspension bolt M12 and fixing screw	14480
	Track stop, galvanized steel, to be drilled into the track	10595
	Spring-loaded mortise-type door stop	10591
	Screw-on rubber door stop	13114
	Floor-mounted guide, plastic (the height can be shortened by the customers)	10509
	Guide plastic 14 mm ( $\frac{9}{16}$ ") with bolt M10	14474



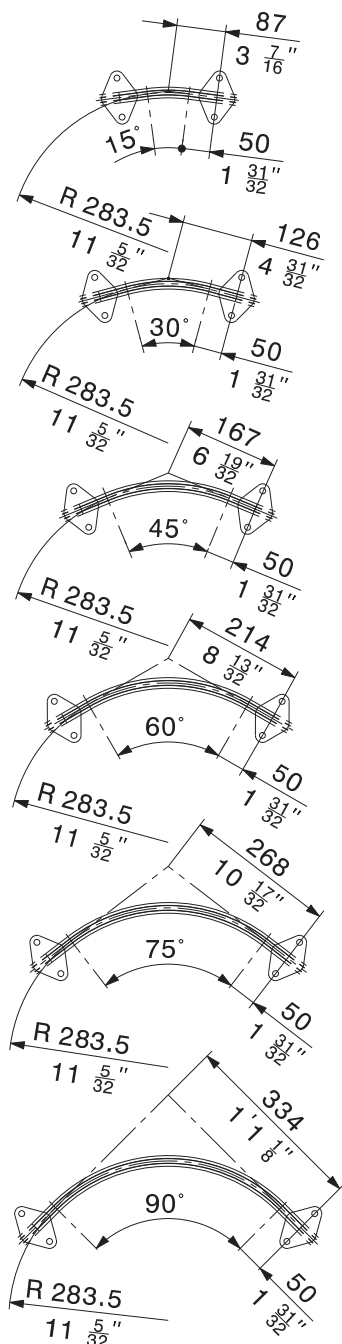
The HAWA-Varioflex 40/TS is a hardware system with outstanding cornering properties. The plug-in track system with straight sections and curved rails of 15, 30, 45, 60, 75 and 90 degrees permits complete freedom with regard to construction. Rail joints are linked simply and precisely by means of coupling elements on both sides.

Map boards, projection walls, work stations with electrical cables and compressed air hoses. Storage and display of articles in shops, snowboards e.g.

- Modular system
- Trolley for loads up to 40 kg (88 lbs.) with 2 suspension wheels and 6 guide rollers
- Trolley for loads up to 10 kg (22 lbs.) with 2 suspension wheels and 4 guide rollers
- Outstandingly smooth cornering



## Curve running tracks



## Installation

When assembling the running track, a top fixing plate must be attached every 500 mm (1'7 <sup>11</sup>/<sub>16</sub>")

## Order specifications

- Length of running track
- Quantity and type of curve running track
- Quantity of top-fixing plate
- Quantity of coupler to running track
- Quantity of running track cover cap sets
- Quantity and type of components

## Running tracks

			code
	Running track, alu plain anodized	6000 mm (19'8 <sup>5</sup> / <sub>16</sub> ")	13975
		cut to size	14345
	Inner curve running track, alu plain anodized	15°	15125
		30°	15127
		45°	15129
		60°	15131
		75°	15133
		90°	14341
	Outer curve running track, alu plain anodized	15°	15126
		30°	15128
		45°	15130
		60°	15132
		75°	15134
		90°	15113
	Top-fixing plate, dull chromium-plated steel (for straight and standard curves)		14463
	Top-fixing plate, dull chromium-plated steel		14468
	Coupler to running track, galvanized steel		17232
	Set of running track cover caps, plastic grey, left/right		14442

## Components

		code
	Trolley with 2 plastic-tyred suspension wheels and 6 guide rollers, M10 (load per trolley 40 kg [88 lbs.])	14337
	Trolley with 2 plastic-tyred suspension wheels and 4 guide rollers, M8 (load per trolley 10 kg [22 lbs.])	15137
	Suspension plate with hanger bolt M10 without fixing screws, steel galvanized (steel constructions)	14484
	Two-way suspension plate, with hanger bolt M10 and fixing screws (wood constructions)	10489
	Eye bolt with nut, galvanized steel, M10 x 40 mm (1'19/32")	15174
	Eye bolt with nut, galvanized steel, M8 x 30 mm (1'11/16")	15173
	Bumper, alu plain anodized	14368
	Bumper door stop, to running track	21010
	Screw-on rubber door stop	10629

## SoftMove soft closing mechanism for Hawa-Junior

### Description

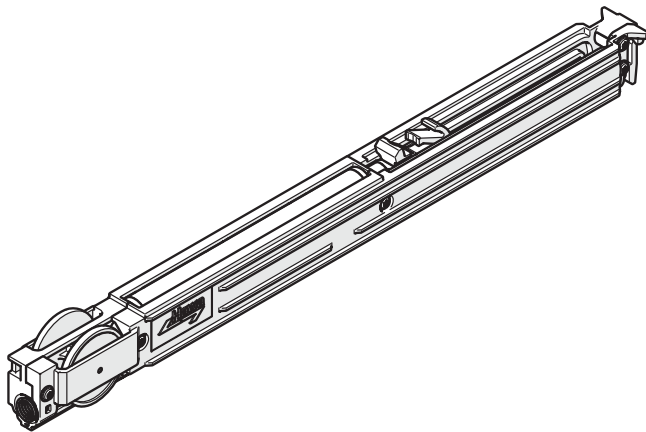
The SoftMove 40-80-120 soft closing mechanism is an accessory for all HAWA-Junior 40-80-120 systems and therefore suitable for both wood and glass sliding doors. It can be installed on the opening or closing side. Completely integrated into the running track, the SoftMove gently decelerates sliding doors and draws them into their final position.

### Features of the SoftMove 40-80-120 soft closing mechanism

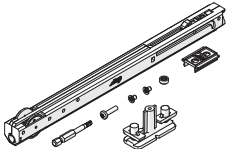
- Utilisable with all Hawa-Junior systems within this weight class
- Quick and easy installation
- Continuous gentle deceleration and closing with no door spring-back
- High-class hydraulic damper
- Very user-friendly thanks to minimal noise development
- Invisibly integrated in the running track
- Long-lasting and maintenance-free materials
- For convenient operation of sliding doors with soft closing mechanisms, use D handles instead of shell handles

### Note

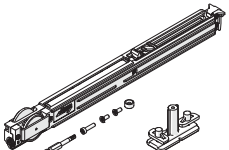
In combination with the assembly set, the planning section of the assembly set and SoftMove soft closing mechanism installation instructions must be taken into consideration before ordering the running track.



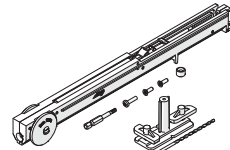
#### SoftMove 40 soft closing mechanism for Hawa-Junior 40

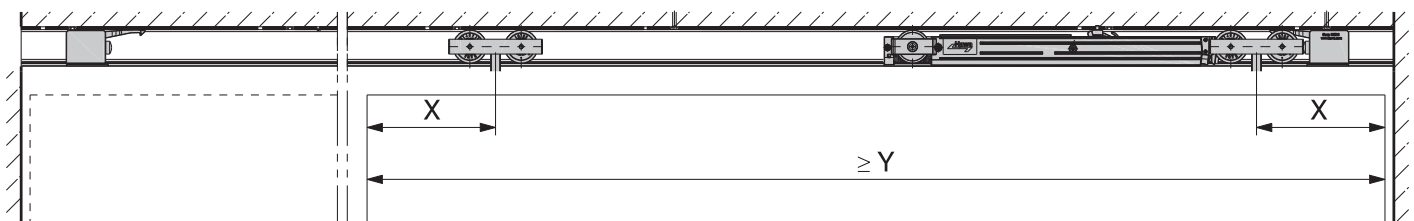
	code
 <p>SoftMove 40 soft closing mechanism for Hawa-Junior 40</p>	25987

#### SoftMove 80 soft closing mechanism for Hawa-Junior 80

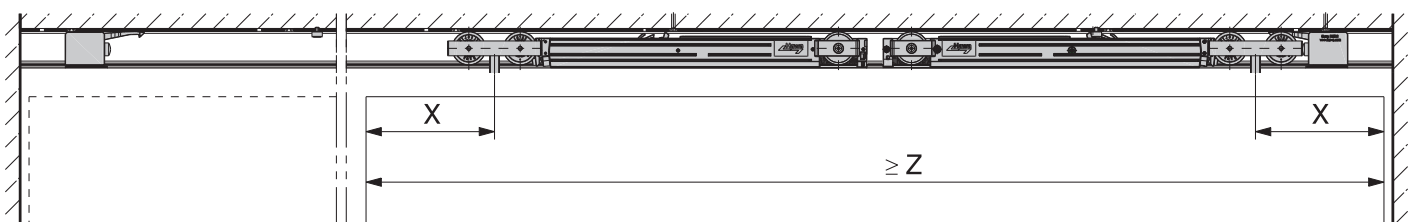
	code
 <p>SoftMove 80 soft closing mechanism for Hawa-Junior 80</p>	22444

#### SoftMove 120 soft closing mechanism for Hawa-Junior 120

	code
 <p>SoftMove 120 soft closing mechanism for Hawa-Junior 120</p>	25988



One-sided damping



Two-sided damping

## Wood

	SoftMove 40 soft closing mechanism			SoftMove 80 soft closing mechanism			SoftMove 120 soft closing mechanism					
	X	Y	Z	X	Y	Z	X	Y	Z			
HAWA-Junior 40 Z	95	≥ 550	≥ 830									
HAWA-Junior 40 B	95	≥ 550	≥ 830									
HAWA-Junior 80 Z				130	≥ 690	≥ 1030						
HAWA-Junior 80 B mod.				130	≥ 690	≥ 1030						
HAWA-Junior 80 B Pocket				130	≥ 690	≥ 1030						
HAWA-Junior 120 A										165	≥ 850	≥ 1150
HAWA-Junior 120 B										165	≥ 850	≥ 1150

## Glass

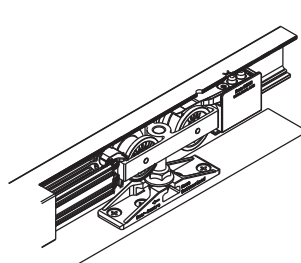
	SoftMove 40 soft closing mechanism			SoftMove 80 soft closing mechanism			SoftMove 120 soft closing mechanism		
	X	Y	Z	X	Y	Z	X	Y	Z
HAWA-Junior 40 GP	95	≥ 550	≥ 830						
HAWA-Junior 40 GS	95	≥ 550	≥ 830						
HAWA-Junior 40 GL	95	≥ 550	≥ 830						
HAWA-Junior 80 GP				130	≥ 690	≥ 1030			
HAWA-Junior 80 GS				130	≥ 690	≥ 1030			
HAWA-Junior 80 G				130	≥ 690	≥ 1030			
HAWA-Junior 80 M				130	≥ 690	≥ 1030			
HAWA-Junior 120 GP							165	≥ 850	≥ 1150
HAWA-Junior 120 G							165	≥ 850	≥ 1150

### Set with SoftMove 80 soft closing mechanism for HAWA-Junior 80 for 1 sliding door, without running track

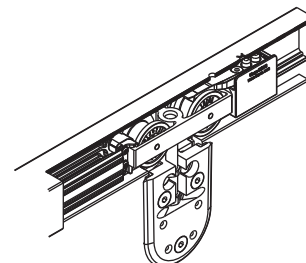
	code
HAWA-Junior 80/Z, set for 1 door, with 1 SoftMove 80 soft closing mechanism	23087
HAWA-Junior 80/Z, set for 1 door, with 2 SoftMove 80 soft closing mechanisms	23088
HAWA-Junior 80/GP, set for 1 door, with 1 SoftMove 80 soft closing mechanism	23091
HAWA-Junior 80/GP, set for 1 door, with 2 SoftMove 80 soft closing mechanisms	23092

### SoftMove 80 soft closing mechanism for HAWA-Junior 80

The soft closing mechanism is available as a stand-alone unit or as a component of a HAWA-Junior 80/Z or 80/GP set. Please also order a floor guide and cover caps for HAWA-Junior 80/GP systems. Details: → HAWA-Junior 40-80-120-160/GP.



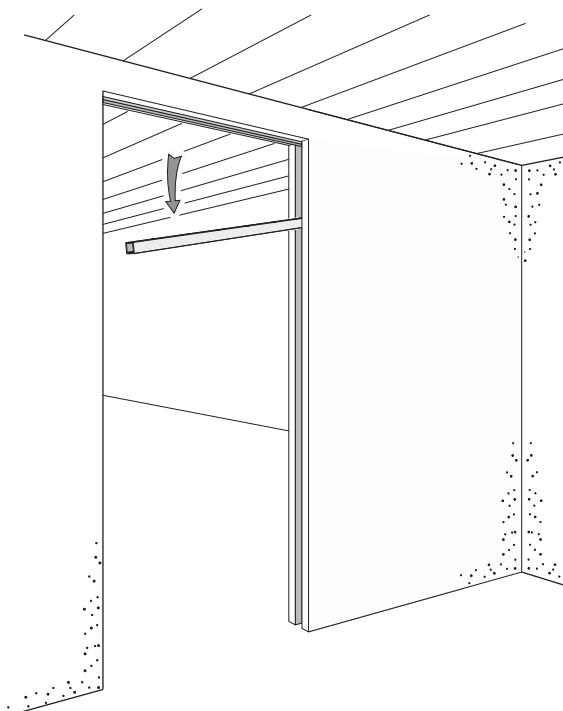
HAWA-Junior 80/Z



HAWA-Junior 80/GP

### Planning/installation

For planning and execution please order the installation drawings  
 Nr. 25827 SoftMove 40 soft closing mechanism  
 Nr. 22708 SoftMove 80 soft closing mechanism  
 Nr. 25852 SoftMove 120 soft closing mechanism  
 (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



**Removable, replaceable and extendible at any time!**

## Assembly set

The retainer profile with bayonet lock is pre-assembled and therefore offers the greatest possible protection from running track contamination during the construction phase. The running track can be installed and removed at any time once the pocket is completed, be it to fit or replace additional components.

The rattle-proof bayonet lock with entry ramp makes it easier to install the running track in the retainer profile. The separating layer between the two profiles reduces vibration transmission (structure-borne noise).

## Features of the assembly set

- removable running track even in fixed pocket structures
- Components in the running track can be replaced or added to as required at any time
- Furthermore, the high degree of pre-assembly also prevents contamination of the running track during the construction phase.
- Horizontal longitudinal adjustment range in the bayonet  $\pm 8$  mm
- Rattle-proof running track assembly
- Separating layer between running track and retainer profile reduces vibration transmission (structure-borne noise)
- Clip-on cover for concealed attachment of the lintel panelling up to a material thickness of 40 mm

## Note

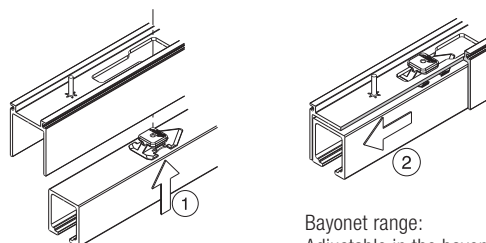
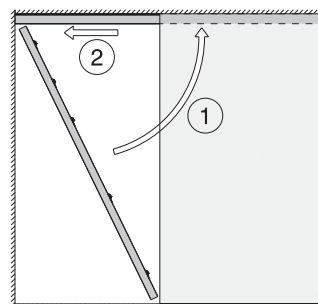
In combination with the SoftMove soft closing mechanism, the planning section of the SoftMove and assembly set installation instructions must be taken into consideration before ordering the running track.

## Assembly set for Hawa-Junior 40 running track

	code
Set for mountable and demountable running track for 2000 ( $6'6\frac{3}{4}"$ ), to HAWA-Junior 40	25990
Set for mountable and demountable running track for 2500 ( $8'2\frac{7}{16}"$ ), to HAWA-Junior 40	25992

## Set comprising

		mm/inch	25990	25992	code
	Retainer profile with a bayonet lock, alu plain anodized, for length of running track	2000 ( $6'6\frac{3}{4}"$ )	1	—	25913
		2500 ( $8'2\frac{7}{16}"$ )	—	1	25914
	Small parts set to retainer profil, set of 6 pieces for length of running track	2000 ( $6'6\frac{3}{4}"$ )	1	—	25989
	Small parts set to retainer profil, set of 7 pieces for length of running track	2500 ( $8'2\frac{7}{16}"$ )	—	1	25991



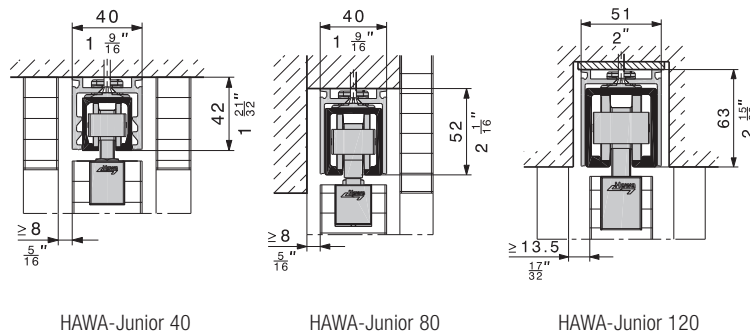
Bayonet range: 35 mm  
Adjustable in the bayonet:  $\pm 8$  mm

## Suitable for:

Wood  
HAWA-Junior 40 B  
HAWA-Junior 40 Z

Glass  
HAWA-Junior 40 GP  
HAWA-Junior 40 GS  
HAWA-Junior 40 GL

## Mounting version



HAWA-Junior 40

HAWA-Junior 80

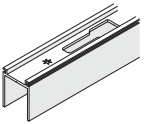



HAWA-Junior 120

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

## Assembly set for Hawa-Junior 80 running track

	code
Set for mountable and demountable running track for 2000 (6'6 $\frac{3}{4}$ " ), to HAWA-Junior 80	25207
Set for mountable and demountable running track for 2500 (8'2 $\frac{7}{16}$ " ), to HAWA-Junior 80	25371
Set for mountable and demountable running track for 3000 (9'10 $\frac{1}{8}$ " ), to HAWA-Junior 80	25441





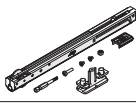
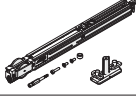
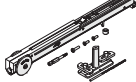
## Set comprising

		mm/inch	25207	25371	25441	code
	Retainer profile with a bayonet lock, alu plain anodized, for length of running track	2000 (6'6 $\frac{3}{4}$ " )	1	–	–	25212
		2500 (8'2 $\frac{7}{16}$ " )	–	1	–	25443
		3000 (9'10 $\frac{1}{8}$ " )	–	–	1	25444
	Small parts set to retainer profil, set of 6 pieces for length of running track	2000 (6'6 $\frac{3}{4}$ " )	1	–	–	25520
	Small parts set to retainer profil, set of 7 pieces for length of running track	2500 (8'2 $\frac{7}{16}$ " )	–	1	–	25521
	Small parts set to retainer profil, set of 9 pieces for length of running track	3000 (9'10 $\frac{1}{8}$ " )	–	–	1	25522

## Suitable for:

Wood	Glass
HAWA-Junior 80 B Pocket	HAWA-Junior 80 GP
HAWA-Junior 80 Z	HAWA-Junior 80 GS
	HAWA-Junior 80 G

## Accessories

		code
	Clip-on cover 2000 mm (6'6 $\frac{3}{4}$ " ) alu plain anodized for lintel mounting for HAWA-Junior 40	25985
	Clip-on cover 2000 mm (6'6 $\frac{3}{4}$ " ) alu plain anodized for lintel mounting for HAWA-Junior 80	25445
	Clip-on cover 2000 mm (6'6 $\frac{3}{4}$ " ) alu plain anodized for lintel mounting for HAWA-Junior 120	25986
	Guide profile, plastic black, 1300 mm (4'3 $\frac{3}{16}$ " ), groove mounted, set of 10 pieces	14540
	SoftMove 40 soft closing mechanism for Hawa-Junior 40	25987
	SoftMove 80 soft closing mechanism for Hawa-Junior 80	22444
	SoftMove 120 soft closing mechanism for Hawa-Junior 120	25988

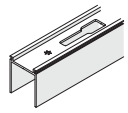
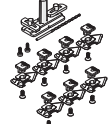
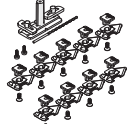
## Planning/installation

For planning and installation purposes, please use the installation drawing code 26036. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Assembly set for Hawa-Junior 120 running track

	code
Set for mountable and demountable running track for 2500 (8'2 $\frac{7}{16}$ " ), to HAWA-Junior 120	25994
Set for mountable and demountable running track for 3000 (9'10 $\frac{1}{8}$ " ), to HAWA-Junior 120	25996

## Assembly set comprising

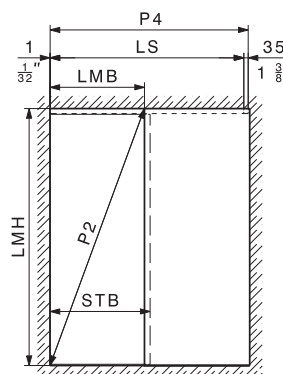
		mm/inch	25994	25996	code
	Retainer profile with a bayonet lock, alu plain anodized, for length of running track	2500 (8'2 $\frac{7}{16}$ " )	1	–	25915
		3000 (9'10 $\frac{1}{8}$ " )	–	1	25916
	Small parts set to retainer profil, set of 7 pieces for length of running track	2500 (8'2 $\frac{7}{16}$ " )	1	–	25993
	Small parts set to retainer profil, set of 9 pieces for length of running track	3000 (9'10 $\frac{1}{8}$ " )	–	1	25995

## Suitable for:

Wood	Glass
HAWA-Junior 120 B	HAWA-Junior 120 GP
HAWA-Junior 120 A	HAWA-Junior 120 G

## Length of running track

The length of the running track must not exceed the diagonal clearance (P2).



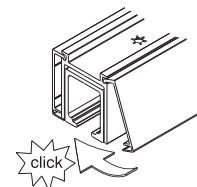
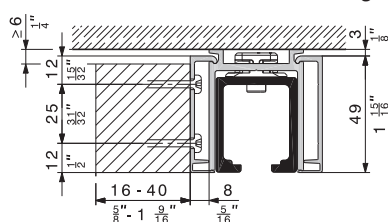
Running track HAWA-Junior 40	P3 = 80 mm (3 $\frac{5}{16}$ " )
Running track HAWA-Junior 80	P3 = 80 mm (3 $\frac{5}{16}$ " )
Running track HAWA-Junior 120	P3 = 100 mm (3 $\frac{15}{16}$ " )

LMB	Entire opening width
LMH	Entire opening height
STB	Sliding shutter width
P2	Diagonal clearance

## Optional cover for retainer profile

The optionally available aluminum cover simply clips onto the retainer profile with no need for additional fastening components. Installers can attach the clip-on cover to panels with a material thickness of up to 40 mm (1 $\frac{19}{32}$ " ) for concealed panel attachment.

## Hawa-Junior 80 mounting version



**Let HAWA-Junior 80 and 120 running tracks disappear into the ceiling with the sophisticated HAWA-Adapto 80-120 profile.**

### Description

It is easy and economic to set the HAWA-Adapto 80-120 system in concrete, integrating it into the building shell and so allowing running tracks for HAWA-Junior 80 and 120 to be fitted flush with the ceiling, whether with or without a profile for fixed glass. This puts an end to troublesome drilling in concrete ceilings, making damaged circuits and pipelines a thing of the past.

## Features of the HAWA-Adapto 80-120

- ceiling-flush fitting of HAWA-Junior running tracks for wooden and glass sliding doors up to 80 and 120 kg (176/264 lbs.)
- economic assembly in the building shell
- frontal cover caps and a polystyrene insert prevent concrete from penetrating the system
- running tracks do not require a faceplate
- further profiles allow fixed glass to be fitted without hardware being visible
- quick and easy track levelling thanks to special adjusting screws and pre-defined spacing plates

**Please observe when designing**

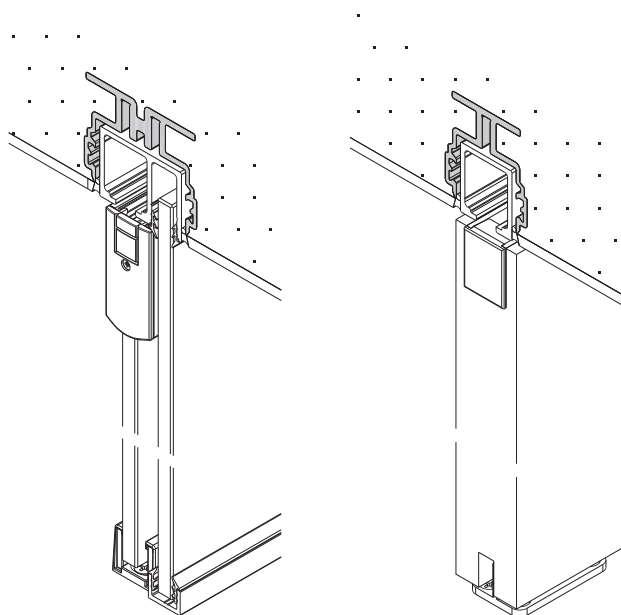
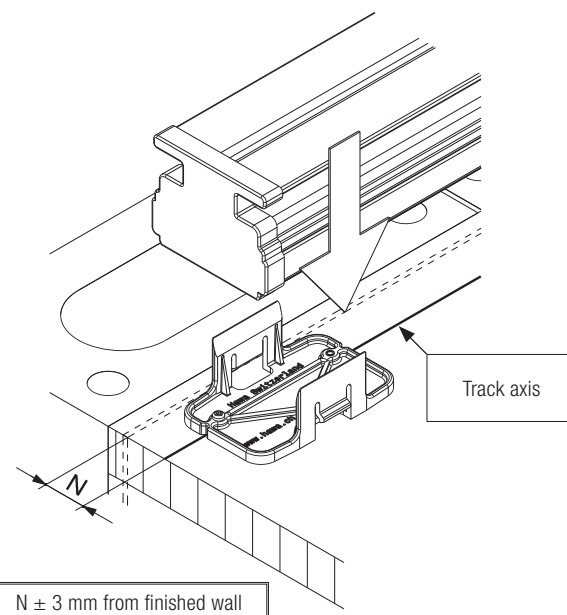
When designing your system, please take into account wall structure, ceiling layers, and exposed elements such as switches, skirting boards, etc. The HAWA-Adapto profile must be fitted exactly to the shuttering.

For planning and installation purposes, please use the installation drawing code 19563. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)

## Economic assembly in the building shell

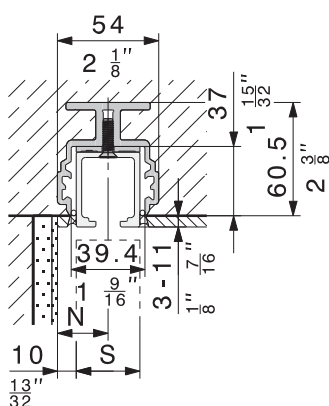
The HAWA-Adapto Profile can be integrated in the building shell easily and exactly using the accessories provided:

1. Plot running track axis on the sheeting.
2. Nail plastic mounting clips to the concrete sheeting.
3. Fit frontal cover caps and polystyrene insert to HAWA-Adapto profile and press onto the mounting clips.
4. Pour concrete. Done.

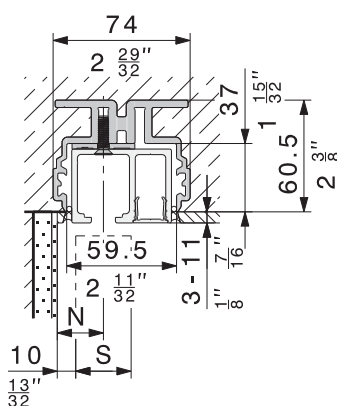


## HAWA-Adapto 80

N ± 3 mm from finished wall;	N = 10 + $\frac{S}{2}$ N ≥ 20
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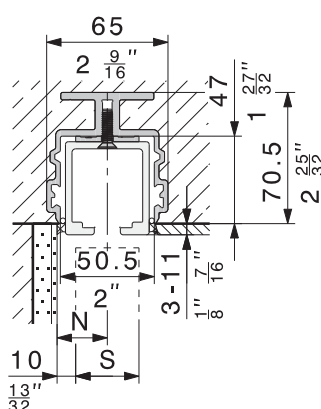
to HAWA-Junior 80 running track  
without fixed glass



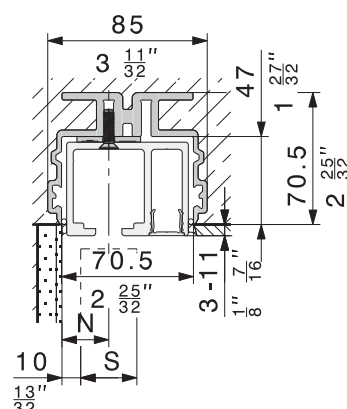
to HAWA-Junior 80 running track  
with fixed glass

## HAWA-Adapto 120

N ± 3 mm from finished wall;	N = 10 + $\frac{S}{2}$
	N ≥ 25



to HAWA-Junior 120 running track  
with-out fixed glass

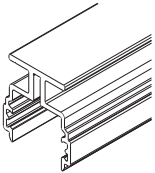
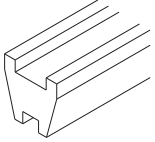
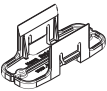



to HAWA-Junior 120 running track  
with fixed glass

## HAWA-Adapto 80-120 without fixed glass

	mm/inch	code
HAWA-Adapto 80, inset profile for concrete surface <b>without</b> fixed glass, set to HAWA-Junior 80	2500 (8'2 $\frac{7}{16}$ ")	20216
	4000 (13'1 $\frac{1}{2}$ ")	20217
HAWA-Adapto 120, inset profile for concrete surface <b>without</b> fixed glass, set to HAWA-Junior 120	3000 (9'10 $\frac{1}{8}$ ")	20218
	4000 (13'1 $\frac{1}{2}$ ")	20219
Inset profile for concrete surface 4001–6000 mm (13'1 $\frac{17}{32}$ "–19'8 $\frac{7}{32}$ ") on request.		

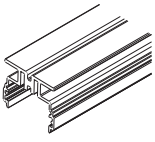
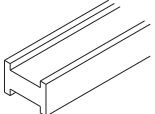
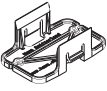

### Sets comprising

		mm/inch	20216	20217	20218	20219	code
	HAWA-Adapto 80 inset profile for concrete surfaces, alu	2500 (8'2 $\frac{7}{16}$ ")	1	–	–	–	20087
		4000 (13'1 $\frac{1}{2}$ ")	–	1	–	–	20088
	HAWA-Adapto 120 inset profile for concrete surfaces, alu	3000 (9'10 $\frac{1}{8}$ ")	–	–	1	–	20093
		4000 (13'1 $\frac{1}{2}$ ")	–	–	–	1	20091
	HAWA-Adapto 80 polystyrene insert	1000 (3'3 $\frac{5}{8}$ ")	2	4	–	–	19418
		500 (1'7 $\frac{11}{16}$ ")	1	–	–	–	19556
	HAWA-Adapto 120 polystyrene insert	1000 (3'3 $\frac{5}{8}$ ")	–	–	3	4	19419
	HAWA-Adapto 80 assembly clips, plastic black		4	5	–	–	19344
	HAWA-Adapto 120 assembly clips, plastic black		–	–	4	5	19346
	HAWA-Adapto 80 cover plate, plastic grey		2	2	–	–	19366
	HAWA-Adapto 120 cover plate, plastic grey		–	–	2	2	19368

## HAWA-Adapto 80-120 with fixed glass

	mm/inch	code
HAWA-Adapto 80, inset profile for concrete surface <b>with</b> fixed glass, set to HAWA-Junior 80	2500 (8'2 $\frac{7}{16}$ ")	20220
	4000 (13'1 $\frac{1}{2}$ ")	20221
HAWA-Adapto 120, inset profile for concrete surface <b>with</b> fixed glass, set to HAWA-Junior 120	3000 (9'10 $\frac{1}{8}$ ")	20222
	4000 (13'1 $\frac{1}{2}$ ")	20223
Inset profile for concrete surface 4001–6000 mm (13'1 $\frac{17}{32}$ "–19'8 $\frac{7}{32}$ ") on request.		

### Sets comprising




		mm/inch	20220	20221	20222	20223	code
	HAWA-Adapto 80 inset profile for concrete surfaces, alu	2500 (8'2 $\frac{7}{16}$ ")	1	–	–	–	20094
		4000 (13'1 $\frac{1}{2}$ ")	–	1	–	–	20095
	HAWA-Adapto 120 inset profile for concrete surfaces, alu	3000 (9'10 $\frac{1}{8}$ ")	–	–	1	–	20100
		4000 (13'1 $\frac{1}{2}$ ")	–	–	–	1	20098
	HAWA-Adapto 80 polystyrene insert	1000 (3'3 $\frac{5}{8}$ ")	2	4	–	–	19555
		500 (1'7 $\frac{11}{16}$ ")	1	–	–	–	19557
	HAWA-Adapto 120 polystyrene insert	1000 (3'3 $\frac{5}{8}$ ")	–	–	3	4	19558
	HAWA-Adapto 80 assembly clips, plastic black		4	5	–	–	19568
	HAWA-Adapto 120 assembly clips, plastic black		–	–	4	5	19569
	HAWA-Adapto 80 cover plate, plastic grey		2	2	–	–	19968
	HAWA-Adapto 120 cover plate, plastic grey		–	–	2	2	19970

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

## Fitting set to HAWA-Adapto 80-120

	mm/inch	code
Fitting set to HAWA-Adapto 80, with countersunk screws	to 2500 (8'2 $\frac{7}{16}$ ")	22841
	2501 to 4000 (8'2 $\frac{15}{32}$ " to 13'1 $\frac{1}{2}$ ")	22842
	4001 to 6000 (13'1 $\frac{17}{32}$ " to 19'8 $\frac{7}{32}$ ")	22843
Fitting set to HAWA-Adapto 120, with pan head screws	to 2500 (8'2 $\frac{7}{16}$ ")	20232
	2501 to 4000 (8'2 $\frac{15}{32}$ " to 13'1 $\frac{1}{2}$ ")	20233
	4001 to 6000 (13'1 $\frac{17}{32}$ " to 19'8 $\frac{7}{32}$ ")	20234

### Set comprising

		mm/ inch	22841	22842	22843	20232	20233	20234	code
	Distance plate, plastic	1 ( $\frac{1}{16}$ "	2	2	3	2	2	3	19398
		2 ( $\frac{3}{32}$ "	2	2	3	2	2	3	19399
		3 ( $\frac{1}{8}$ "	2	2	3	2	2	3	19400
		5 ( $\frac{7}{32}$ "	4	4	6	4	4	6	19401
	Special countersunk screws, 6 x 21 mm ( $\frac{1}{4}$ " x $\frac{27}{32}$ " ), set of 10 pieces		1	2	3	—	—	—	22844
	Special pan head screws, 6 x 22 mm ( $\frac{1}{4}$ " x $\frac{7}{8}$ " ), set of 10 pieces		—	—	—	1	2	3	20215

### The team: HAWA-Adapto and HAWA-Junior

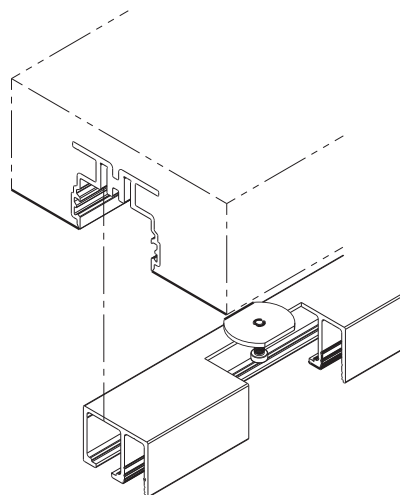
HAWA-Adapto was designed for the following glass and wood sliding systems:

- HAWA-Junior 80-120/GP
- HAWA-Junior 80/GL
- HAWA-Junior 80-120/G
- HAWA-Junior 80-120/B

### Easy installation of HAWA – Junior running tracks

The HAWA-Adapto profile has a screw duct. HAWA-Junior running tracks both with and without retainers for fixed glass can be attached via the screw duct with special adjustable screws. Dimensional differences in the structure can be quickly and effectively levelled out by inserting spacing plates at the track ends, with additional plates in the centre for lengths of more than 4 m (13'1 $\frac{1}{2}$ ").

For planning and installation purposes, please use the installation drawing code 19564. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



## Running track fastening to HAWA-Junior 40-80-120

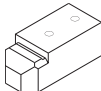
### About the product

Allows dismantling running track of fix mounted pocket structures.  
Ideal for narrow door clearance width.

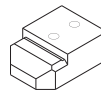
### Features of the running track fastening

- removable running track even in fixed pocket structures 40-80-120
- minimal door clearance width: 700 mm (2'3 9")
- Can be combined with HAWA-Adapto 80-120

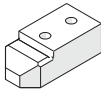
### Running track fastening for HAWA-Junior 40

		pieces	code
	Running track fastening for removable running track for a max. door clearance with 800 mm for HAWA-Junior 40	1	27201

### Running track fastening for HAWA-Junior 120

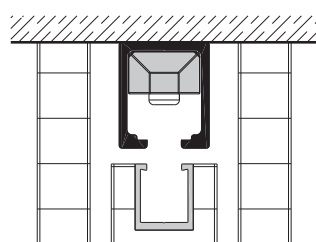
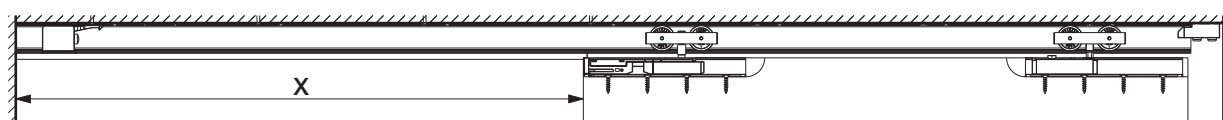
		pieces	code
	Running track fastening for removable running track for a max. door clearance with 1000 mm for HAWA-Junior 120	1	27203

### Running track fastening for HAWA-Junior 80

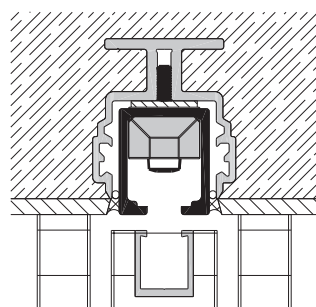
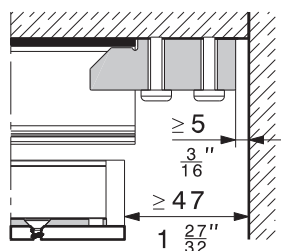
		pieces	code
	Running track fastening for removable running track for a max. door clearance with 850 mm for HAWA-Junior 80	1	25442

### Screw set for HAWA-Adapto 80-120

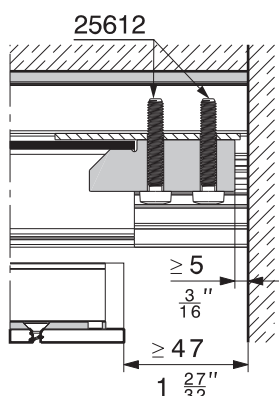
		pieces	code
	Screw set for securing running track, set of 2 pcs. to HAWA-Adapto 80-120	1	25612



Ceiling mounting



Integrated ceiling mounting  
with HAWA-Adapto 80

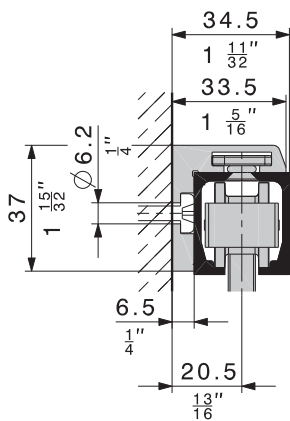


X	HAWA-Junior 40 ≤ 800	HAWA-Junior 80 ≤ 850	HAWA-Junior 120 ≤ 1000
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Subject to modification. Metric specifications are exact. Inches are approximate.

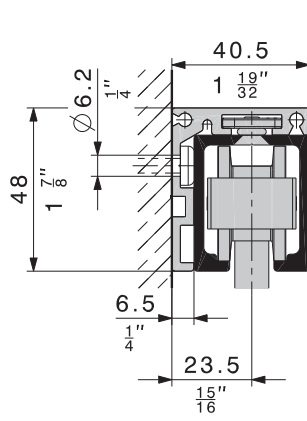
## HAWA-Junior 40

Glass thickness: 8–12,7 ( $\frac{5}{16}$ "– $\frac{1}{2}$ " )



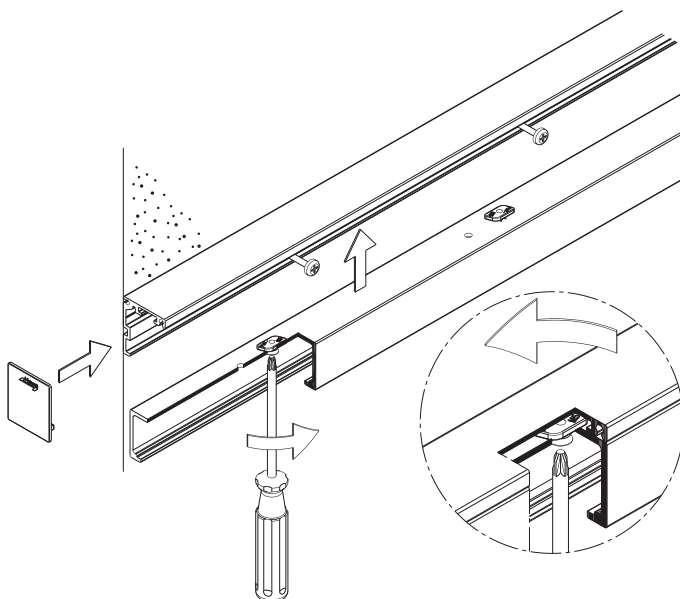
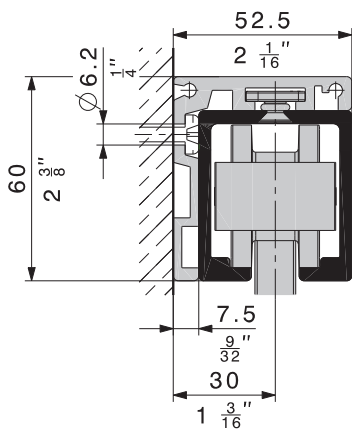
## HAWA-Junior 80

Glass thickness: 8–12,7 ( $\frac{5}{16}$ "– $\frac{1}{2}$ " )



## HAWA-Junior 120

Glass thickness: 8–12,7 ( $\frac{5}{16}$ "– $\frac{1}{2}$ " )



## Side-fixing angled profile HAWA-Junior 40/80/120 Glass

### Description

The clever wall mounting with the new angle profile for HAWA-Junior tracks, door weight up to 120 kg (264 lbs.).

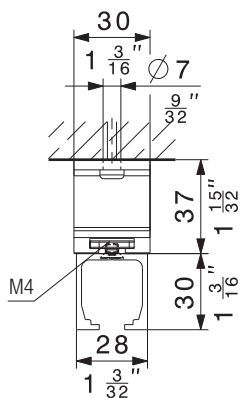
### Features of the Side-fixing angled profile

- Permits top-quality design without cover-blinds
- Groove nuts clamp tracks rapidly and simply
- Convenient levelling thanks to continuous angle profile
- High quality cover caps made of metal to angled profile 80/120 which can be mounted on the left and right.

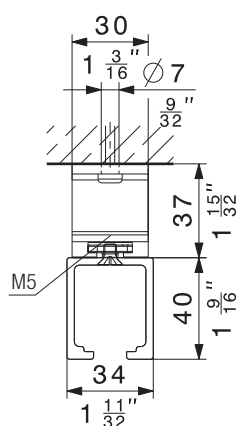
### Accessories to Side-fixing angled profile

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	HAWA-Junior 40 side-fixing angled profile, alu, plain anodized, predrilled	2000 (6'6 $\frac{3}{4}$ " )	18291
		4000 (13'1 $\frac{1}{2}$ " )	18634
		6000 (19'8 $\frac{7}{32}$ " )	17691
		cut to size	17692
	HAWA-Junior 80 side-fixing angled profile, alu, plain anodized, predrilled	2500 (8'2 $\frac{7}{16}$ " )	24953
		4000 (13'1 $\frac{1}{2}$ " )	24952
		6000 (19'8 $\frac{7}{32}$ " )	24951
		cut to size	24954
	HAWA-Junior 120 side-fixing angled profile, alu, plain anodized, predrilled	4000 (13'1 $\frac{1}{2}$ " )	25327
		6000 (19'8 $\frac{7}{32}$ " )	25328
		cut to size	25329
	HAWA-Junior 40 Fitting set for side fixing, 10 pieces, for running track length up to 2000 mm (6'6 $\frac{3}{4}$ " )		17785
	HAWA-Junior 80 Fitting set for side fixing, 10 pieces, for running track length up to 2500 mm (8'2 $\frac{7}{16}$ " )		17786
	HAWA-Junior 120 Fitting set for side fixing, 10 pieces, for running track length 2000 mm (6'6 $\frac{3}{4}$ " )		19041
	HAWA-Junior 40 Cover plate for side-fixing angled profile, anthracite-grey RAL 7016, 1 pair		20015
	HAWA-Junior 80 Cover cap to angled profile, metal, suitable to both sides, dull chromium finish, 1 piece		24961
	HAWA-Junior 120 Cover cap to angled profile, metal, suitable to both sides, dull chromium finish, 1 piece		25335
	Connecting pins for profiles, set of 2 pieces		21347

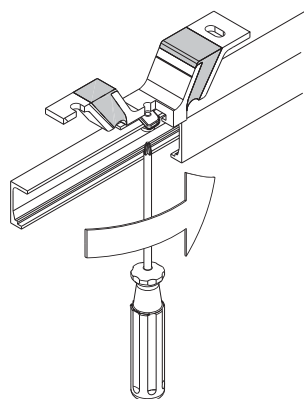
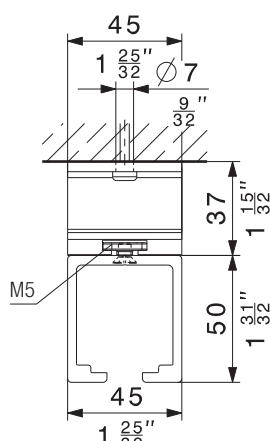
## HAWA-Junior 40



## HAWA-Junior 80

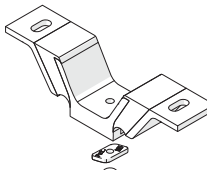


## HAWA-Junior 120



**HAWA-SoundEx confines transmission of structure-borne noise from the sliding system to the building.**

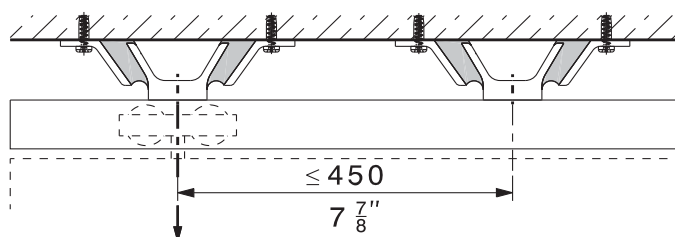
### HAWA-SoundEx

			code
	HAWA-SoundEx, including fixing parts for running track, 1 piece	HAWA-Junior 40	19588
		HAWA-Junior 80	19589
		HAWA-Junior 120	19590

### Planning/installation

For planning and installation purposes, please use the installation drawing code 19661.

(→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)



## HAWA-Assembly wedge

### Description

This is an installation wedge for frontal attachment of sliding doors, and it opens up new design options for architects and interior designers. This wedge permits constructions in which the sliding door runs in the ceiling, and it also makes it possible to hang and remove sliding doors without having to first dismantle the door lining and facing.

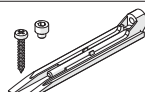
It is also suitable for use with the following hardware sets:

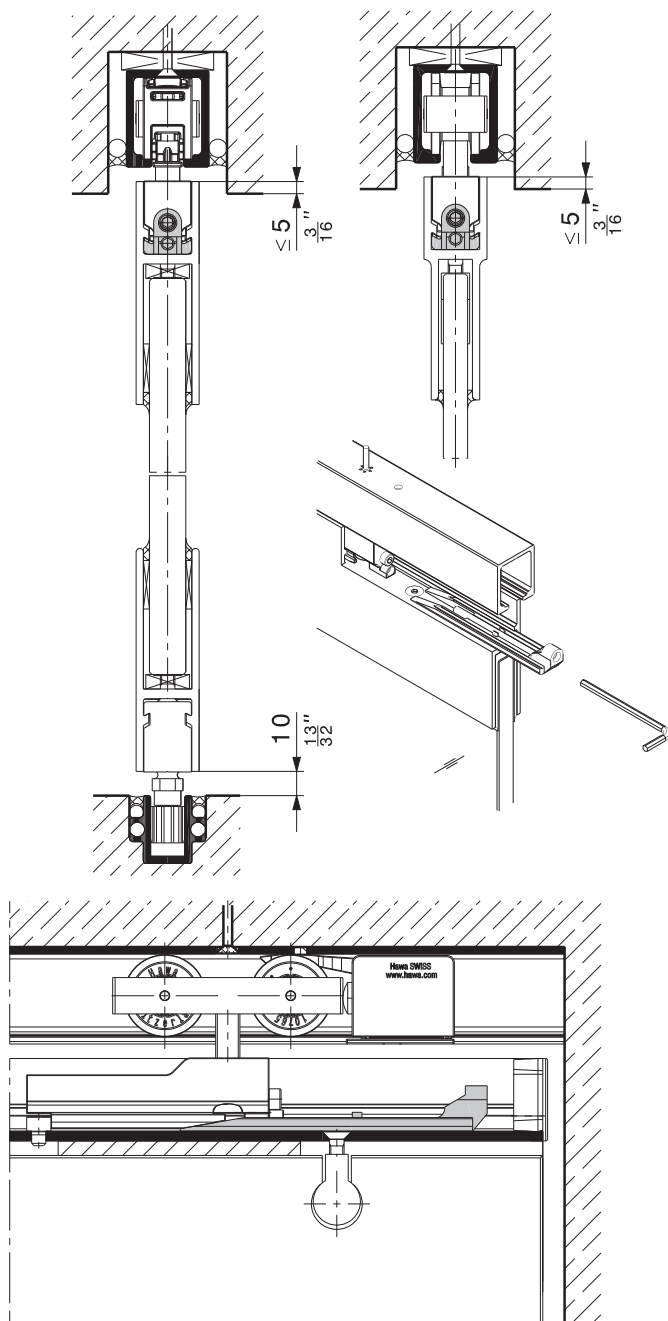
- HAWA-Junior 80/G
- HAWA-Junior 120/B, 120/G
- HAWA-Silenta 150/B
- HAWA-Junior 250/B, 250/G

### Applications

The wedge is suitable for use in elegant interiors, e.g. in hotels, offices, industrial and administrative buildings and private dwellings.

### HAWA-Assembly wedge

	code
	15770



### Hanging and removing the sliding doors without dismantling the door lining and facing

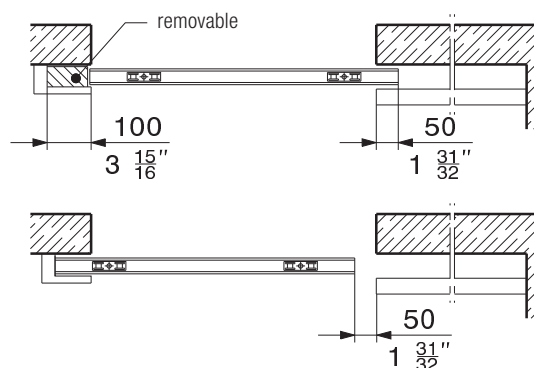
Please note the following points:

- A detachable 100 mm ( $3\frac{5}{16}$ "-wide rabbet has to be added on the lock side.
- The depth at which the sliding door runs in the ceiling or at the top in the door facing may not exceed 5 mm ( $\frac{7}{32}$ ").
- When closed, the sliding door may not stand more than 50 mm ( $1\frac{31}{32}$ ") behind the cover.

### Sliding door constructions running in the ceiling

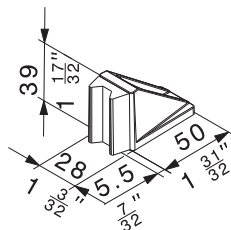
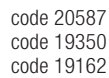
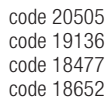
Please note the following points:

- This type of construction is often carried out without a facing. If a facing has been installed, it either has to be removable or else a removable 100 mm ( $3\frac{5}{16}$ "-wide rabbet has to be installed on the lock side.



### Planning/installation

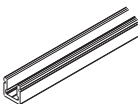


For planning and installation purposes, please use the installation drawing code 15596. (→ [www.hawa.ch](http://www.hawa.ch) → HAWA-Productfinder)






## Bottom guides

Additional guide variants for HAWA-Ordена 70 and other systems.



### Bottom guide channel

Caution: Hole positions vary		mm/inch	code
	Bottom guide channel, alu, plain anodized, predrilled, 16 x 16 mm ( $\frac{5}{8}$ " x $\frac{5}{8}$ " )	3500 (11'5 $\frac{13}{16}$ " )	18864
		6000 (19'8 $\frac{7}{32}$ " )	18216
		cut to size	18477
	Single bottom guide profile, alu plain anodized	2500 (8'2 $\frac{7}{16}$ " )	19348
		3500 (11'5 $\frac{13}{16}$ " )	19349
		6000 mm (19'8 $\frac{7}{32}$ " )	18956
		cut to size	19350
	Set of fixing parts for bottom guide profiles, 5 pieces		19162

## Floor guides

		code
	Spring loaded floor guide, for 1 glass sliding door, ESG <sup>1</sup> /VSG <sup>2</sup> (2 pieces)	20587
	Patch suspension with glass holder insert, ESG <sup>1</sup> /VSG <sup>2</sup>	20505
	Floor guide, rattle proof, to patch suspension 20505	19136

## Accessories

		code
	End stopper for alu bottom guide channel 16 x 16 mm ( $\frac{5}{8}$ " x $\frac{5}{8}$ " )	18652
	centering assembly, grey, for all glass sliding doors	18619

Cover plates: → HAWA-Ordена 70/HAWA-Junior GP

## HAWA-Bottom door stop

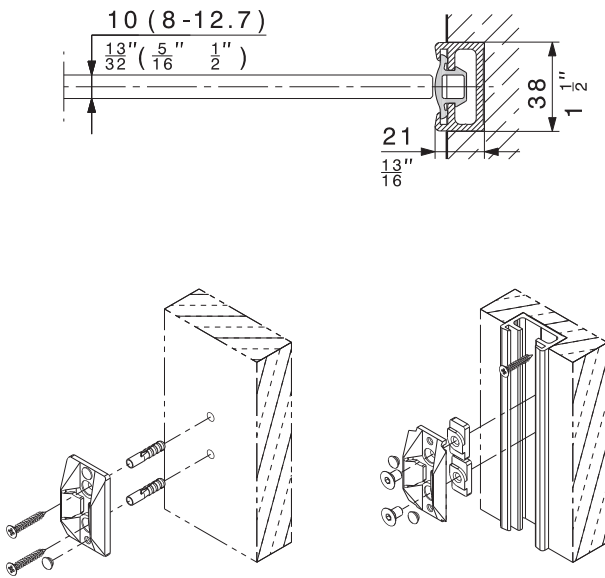
The bottom door stop quietly and gently stalls sliding doors with panel weights up to 250 kg (550 lbs.). Sliding doors should be stopped simultaneously at top and bottom.

### Bottom door stop





			code
	Bottom door stop with centering assembly	dull chromium finish	20773
		stainless steel effect	21473

## HAWA-Wall connection profile

The ideal wall connection profile for all-glass sliding doors with unprotected glass edges, e.g. for HAWA-Junior GP and GS.

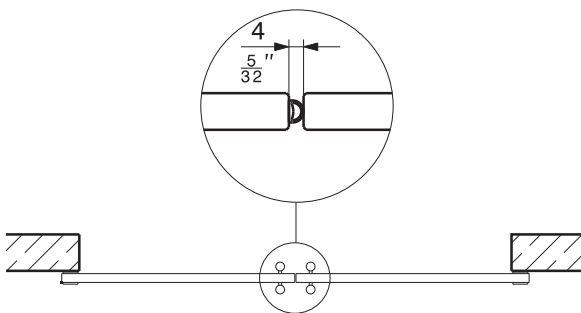


### Wall connection profile

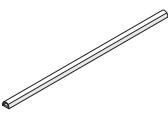
Caution: Minor differences in colour are possible			mm/inch	code
	Wall profile, alu, undrilled	plain anodized	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	17020
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	17021
		stainless steel effect, brushed	2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	20119
			3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	20120
	Seal profile, black, for wall profile		roll of 2500 (8'2 <sup>7</sup> / <sub>16</sub> ")	16452
			roll of 3500 (11'5 <sup>13</sup> / <sub>16</sub> ")	16453
	Centering assembly black for all glass sliding doors, to wall profile			18663
	Centering assembly grey for all glass sliding doors			18619

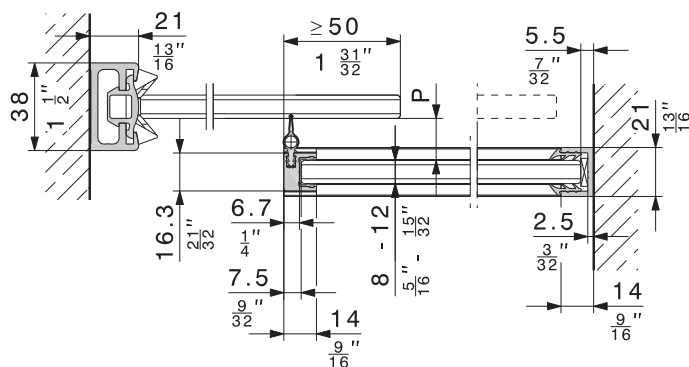
## HAWA-Rubber profile for glass edge protection

Self-adhesive rubber profile fitted along the glass edge minimises draughts and buffers impacts between adjacent all-glass sliding doors.



### Rubber profile for glass edge protection

		roll of	code
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> ") glass thickness, black, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> ")	5 m (16'4 <sup>87</sup> / <sub>32</sub> ")	19442
		10 m (32'9 <sup>23</sup> / <sub>32</sub> ")	19443
		50 m (164'1 <sup>1</sup> / <sub>2</sub> ")	19444
	Rubber profile self-adhesive, for 8/10 mm ( <sup>5</sup> / <sub>16</sub> " / <sup>13</sup> / <sub>32</sub> ") glass thickness, translucent, glass distance 4 mm ( <sup>5</sup> / <sub>32</sub> ")	5 m (16'4 <sup>87</sup> / <sub>32</sub> ")	19445
		10 m (32'9 <sup>23</sup> / <sub>32</sub> ")	19446
		50 m (164'1 <sup>1</sup> / <sub>2</sub> ")	19447



**Glass distance «P» for vertical sealing profile**

System	Glass thickness sliding door mm/inch	Vertical- seal	Glass distance «P» mm/inch
HAWA-Junior 40/GP	8-12 ( $\frac{5}{16}$ - $\frac{15}{32}$ )	13/18	13-15 ( $\frac{17}{32}$ - $\frac{19}{32}$ )
HAWA-Junior 80/GP	8-12 ( $\frac{5}{16}$ - $\frac{15}{32}$ )	13/18	15-17 ( $\frac{19}{32}$ - $\frac{11}{16}$ )
HAWA-Junior 120/GP	8-12 ( $\frac{5}{16}$ - $\frac{15}{32}$ )	20/22	20-22 ( $\frac{25}{32}$ - $\frac{7}{8}$ )
HAWA-Junior 40/GL	8-10 ( $\frac{5}{16}$ - $\frac{13}{32}$ )	13/18	13-16 ( $\frac{17}{32}$ - $\frac{5}{8}$ )
HAWA-Junior 80/GL	8-10 ( $\frac{5}{16}$ - $\frac{13}{32}$ )	13/18	15-18 ( $\frac{19}{32}$ - $\frac{23}{32}$ )
HAWA-Junior 80/G	8-13 ( $\frac{5}{16}$ - $\frac{17}{32}$ )	13/18	15-17 ( $\frac{19}{32}$ - $\frac{11}{16}$ )
HAWA-Junior 120/G	8-13 ( $\frac{5}{16}$ - $\frac{17}{32}$ )	20/22	20-22 ( $\frac{25}{32}$ - $\frac{7}{8}$ )
HAWA-Puro 100-150	11-13 ( $\frac{7}{16}$ - $\frac{17}{32}$ )	13/18	14-18,5 ( $\frac{9}{16}$ - $\frac{3}{4}$ )
HAWA-Puro 100-150	8-10 ( $\frac{5}{16}$ - $\frac{13}{32}$ )	18/20	18-20,5 ( $\frac{23}{32}$ - $\frac{13}{16}$ )
HAWA-Purolino PLUS 80	8-12 ( $\frac{5}{16}$ - $\frac{15}{32}$ )	20/22	20-22 ( $\frac{25}{32}$ - $\frac{7}{8}$ )

## Vertical sealing profile

The vertical sealing profile is effective against draughts. The slim aluminium profile affixes frontally to glass elements 8-12 mm ( $\frac{5}{16}$  -  $\frac{15}{32}$ ) thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks throughout years of service.

## Vertical sealing profile

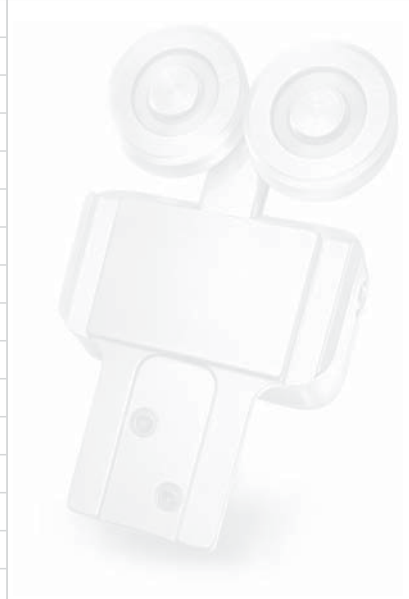
Caution: Minor differences in colour are possible			mm/ inch	code
	Vertical seal 13/18, alu, for all-glass sliding doors with fixed glass, set for glass distance 13-18,5 mm ( $\frac{17}{32}$ - $\frac{3}{4}$ )	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	20283
			3500 (11'5 $\frac{13}{16}$ ")	20284
		stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	21290
			3500 (11'5 $\frac{13}{16}$ ")	21291
	Vertical seal 18/20, alu, for all-glass sliding doors with fixed glass, set for glass distance 18-20,5 mm ( $\frac{23}{32}$ - $\frac{13}{16}$ )	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	21246
			3500 (11'5 $\frac{13}{16}$ ")	21247
		stainless steel effect, brushed	2500 (8'2 $\frac{7}{16}$ ")	21335
			3500 (11'5 $\frac{13}{16}$ ")	21336
	Vertical seal 20/22, alu, for all-glass sliding doors with fixed glass, set for glass distance 20-22 mm ( $\frac{25}{32}$ - $\frac{7}{8}$ )	plain anodized	2500 (8'2 $\frac{7}{16}$ ")	20650
			3500 (11'5 $\frac{13}{16}$ ")	20651

## Bottom/wall profile to fixed glass

The retention profile provides stability for the fixed glass element, whether mounted on or sunk into the floor.

## Bottom, wall and rubber profile to fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Bottom/wall profile to fixed glass, alu, plain anodized, predrilled	4000 (13'1 $\frac{1}{2}$ ")	19549
		6000 (19'8 $\frac{7}{32}$ ")	19561
		cut to size	20067
	Bottom/wall profile to fixed glass, alu, stainless steel effect, brushed, predrilled	4000 (13'1 $\frac{1}{2}$ ")	21285
		6000 (19'8 $\frac{7}{32}$ ")	21286
		cut to size	21287
	Rubber profile, black to fixed glass 8-9.9 mm ( $\frac{5}{16}$ - $\frac{13}{32}$ )	roll of 10 m (32'9 $\frac{23}{32}$ ")	25787
	Rubber profile, black to fixed glass 10-12 mm ( $\frac{13}{32}$ - $\frac{15}{16}$ )		25789
	Rubber profile, black to fixed glass 12.1-13.1 mm ( $\frac{25}{32}$ - $\frac{17}{16}$ )		25763



## 1. General information

- 1.1 These General Terms and Conditions apply to all contractual arrangements entered into with Hawa Sliding Solutions AG, Mettmenstetten, Switzerland (Hawa), and they constitute an integral element of these contractual arrangements. **Hawa does not recognize contractual partners' contrary or alternative terms and conditions.**
- 1.2 In order to be valid, all agreements made between the contractual parties must be made in writing, especially in the case of any deviations from these General Terms and Conditions.
- 1.3 Third parties not party to the contract shall have no entitlement to the assertion of any provisions whatsoever of these General Terms and Conditions.
- 1.4 If any individual provisions contained in these General Terms and Conditions are deemed by a competent authority to be wholly or partially invalid or unenforceable, this shall not affect the remaining provisions or the remainder of the questionable provisions of these General Terms and Conditions.

## 2. Deliveries

- 2.1 Purchase orders shall only be binding on Hawa, if it has confirmed these in writing. If no specific time or date has been agreed for the delivery of supplies and services, Hawa shall deliver these in accordance with its standard business operations.
- 2.2 In the event of any ambiguities or disagreements concerning the content of a purchase order, Hawa's written order confirmation shall be authoritative, unless the contractual partner has raised an objection to the order confirmation within 24 hours (Monday–Friday), (this time limit shall be correspondingly extended if it expires on a weekend).
- 2.3 Hawa shall only be bound by dates and time limits for the delivery of supplies and services, if these have been defined in writing and confirmed by Hawa in a binding manner. Hawa's fulfilment of dates and time limits is conditional on the timely receipt of all the documents and releases required from the contractual partner and the fulfilment of all its other obligations. Dates and time limits shall otherwise be appropriately extended.
- 2.4 In the event that Hawa fails to meet confirmed dates and time limits, the contractual partner must afford it a reasonable additional period of time to deliver performance. If Hawa also fails to render delivery within this additional period of time, the contractual partner shall be entitled to rescind the agreement and demand the repayment of all payments already made. **The contractual partner shall have no fartherreaching rights or claims, especially not to any compensation for delayed performance, or for indirect or third-party damage.**
- 2.5 Hawa is entitled to make partial deliveries. In the event that the contractual partner is in default of payment, Hawa shall be entitled to withhold other agreed supplies and services, until all outstanding payments have been settled, and adequate collateral has been provided in respect of future supplies and services. The contractual partner has no right of rescission in the event that a delivery is withheld due to a default of payment.
- 2.6 Subject to any alternative agreement concluded between the contractual parties, deliveries shall be made ex Hawa's warehouse at the cost and risk of the contractual partner (see too No. 3.2). Return consignments of goods require the explicit, prior consent of Hawa. In this case, there will be a credit up to a maximum of 65 % of the product value. The contractual partner shall bear the costs of shipment and processing of return consignments (incoming goods inspection, including packaging, etc.). Custom-made products may not be returned.
- 2.7 Unless agreed otherwise with the contracting partner, the delivery terms shall be interpreted in accordance with Incoterms 2010 (International Commercial Terms), of the International Chamber of Commerce (ICC).

## 3. Prices and conditions of payment

- 3.1 Agreements concerning prices, cash discounts and rebates, etc. shall only be binding on Hawa if agreed in writing. Otherwise the prices contained in Hawa's current price list or order confirmations shall apply. Hawa may amend these price lists at any time. The current price lists shall apply. Prices are listed in Swiss Francs (excluding VAT), unless otherwise explicitly agreed in writing.
- 3.2 Hawa reserves the right to pass on freight charges. The full freight or postage charge will be invoiced for express, postal or direct consignments. All taxes and charges will be passed on. Hawa reserves the right to charge packaging at cost price. Any requests for special packaging shall be charged separately.
- 3.3 Payment is deemed made, once the relevant amount is credited to Hawa's account. In the event of a default of payment, Hawa shall be entitled, without having to issue a reminder, to charge interest from the 31st day following the invoice date, at the rate charged by commercial banks on current account overdrafts, but no less than 5% in any case.
- 3.4 The contractual partner's payments will firstly be applied against the oldest outstanding payments. If costs and interest have already accrued, payments shall first be credited against the costs, then the interest, and finally against the principle debt.
- 3.5 Payments due to Hawa may only be offset against the contractual partner's counter-claims, if Hawa has consented to this or if a res judicata decision has been issued to this effect.

## 4. Retention of title

- 4.1 The delivered goods shall remain the property of Hawa, until the payment of all of Hawa's claims against the contracting partner (including the settlement of all outstanding current account balances). In the event that various goods are combined, the retention of title shall endure in the relevant proportion of the value of the new goods. Hawa is entitled, without any involvement on the part of the contractual partner, to register the retention of title in the retention of title register («Eigentumsvorbehaltsregister») of the competent debt enforcement office, and the contractual partner authorizes Hawa to undertake the actions necessary for this purpose.

- 4.2 If the contractual partner resells the goods prior to the fulfilment of all of Hawa's claims, **it here and now, by way of precaution, assigns to Hawa** (irrespective of any legally valid retention of title) **the corresponding claims established by way of the resale or arising through any other legal basis.**
- 4.3 In the event of any third-party interference with the goods subject to a retention of title arrangement, the contracting partner shall be duty bound to indicate Hawa's ownership of said goods, and notify Hawa accordingly.
- 4.4 In the event of default of payment on the part of the contractual partner, Hawa shall be entitled to repossess the goods delivered. Hawa's repossession of goods shall not constitute any termination of the agreement, and will not release the contractual partner from its contractual duties.

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## 5. Product performance, obligations to provide information and instructions

- 5.1 Unless the product performance is described in Hawa's current catalogues, brochures or service descriptions etc., the specifications of the specific products must be agreed with Hawa in writing. Unless an agreement has been made to the contrary, the technical specifications may be changed at any time.
- 5.2 The contractual partner acknowledges that the fitness for purpose of the products is dependent on a wide range of factors, and it undertakes to read the relevant design and assembly instructions.
- 5.3 In order to fulfil its obligations to provide information and instructions, Hawa provides contracting partners (usually specialist dealers, architects, designers, consultants, workshops/tradesmen, etc.) with catalogues, brochures, design and installation manuals, maintenance manuals, operational advice and training.
- 5.4 Contractual partners are duty bound to observe Hawa's product information. All requisite instructions are available on Hawa's website, or can also be requested from Hawa. They must be passed on to workshops/tradesmen and users as necessary.

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## 6. Drawings and tools

- 6.1 Hawa reserves ownership to construction drawings prepared and issued by it specifically for a particular job. Unless Hawa has issued its consent, these may not be passed on to any other parties, or copied or otherwise reproduced.
- 6.2 Tools produced for special orders shall remain the property of Hawa. The contractual partner will not be able to demand them, even if it has contributed to the tool costs. Special agreements reserved.
- 6.3 Hawa shall not be liable for any and all consequences resulting from patent or other property right infringements resulting from deliveries made in accordance with the contractual partner's instructions. The contractual partner undertakes to indemnify Hawa fully and unreservedly in such cases.

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## 7. Warranty of title, product warranty, liability

- 7.1 Hawa guarantees that the products do not violate the intellectual rights of any third parties.
- 7.2 The contracting partner must inspect supplies and services for defects immediately upon receipt. Hawa must be promptly notified of any complaints; otherwise the purchased goods are deemed accepted.
- 7.3 With the exception of parts subject to wear and tear, Hawa warrants the flawless functioning of the products delivered by it, as well as the durability of all parts, for a period of 2 years commencing from the transfer of risk. This product warranty does not include damage due to natural wear and tear, improper use, failure to observe installation and maintenance instructions, changes to the goods as delivered or to spare parts that do not correspond to Hawa's original specifications.
- 7.4 Hawa may demand that the contracting partner return parts about which a complaint has been justifiably made; this shall be performed at the partner's **cost** and risk. Defects affecting parts of a delivery do not entitle the contractual partner to reject or return the entire delivery.
- 7.5 In the case of justified complaints, the contracting partner is entitled to subsequent improvement (repair) or replacement of the defective part (the decision resting with Hawa). Subsequent improvements or substitute deliveries performed by Hawa are covered by the same product warranty that Hawa extended to the original delivery, except this shall be limited in time to 6 months following the acceptance of the subsequent improvement or the receipt of the substitute delivery.
- 7.6 **All other liability**, irrespective of the legal basis, **is explicitly repudiated**, insofar as this is legally permissible. This applies particularly to indirect and third-party damage.

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## 8. Applicable law, legal venue

- 8.1 All contractual agreements concluded with Hawa shall **be exclusively governed by Swiss law** to the exclusion of the rules on the conflict of laws, and the United Nations Convention on Contracts for the International Sale of Goods (CISG).
- 8.2 **The exclusive legal venue** for all disputes arising from or in connection with the contractual agreements between Hawa and the contractual partner **shall be that court with jurisdiction for the place at which Hawa has its registered address. Hawa is also entitled to pursue legal actions against the contractual partner before that court with jurisdiction for the place at which the latter has its registered address.**



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### HAWA-Productfinder

The HAWA-Productfinder offers not only prompt assistance when searching for the best sliding solution but also an abundance of other information. Downloading brochures, photos, assembly instructions and drawings from the integrated and extensive Download Zone could not be more convenient.

**Full information**

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### HAWA-Systemplanner

Use the HAWA-Systemplanner to put sliding solutions together and automatically visualise them. You can generate CAD drawings, bills of materials and processing lists per mouse-click.

 HAWA-Systemplanner  
Deutsch | English | Français | Español

1 Products

2 Application

3 Configuration

4 Door type

5 Visualisation

6 Extras

7 Documents

**System**

1 Kind of stacking area

- ☒ Perpendicular
- ☐ Parallel

2 Stacking area place

- ☒ Left
- ☐ Right

3 Bottom guide channel

- ☒ with
- ☐ without

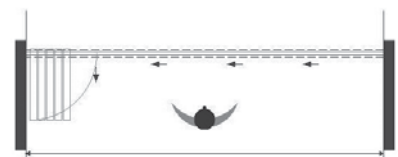
4 Type of lock

- 17 mm profile cylinder

5 Showroom

- Showroom

**Stacking area situation**




**Define the parking area**

Please define the parameters for the parking area. Click on "Showroom" to display your hardware solution design

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- Middle East
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- Asia
- Oceania

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