

**Frame profile for all-glass sliding walls up to 150 kg (330 lbs.) panel weight. Suitable for Hawa Variotec 150 GV.**

**Description**

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.

**Applications**

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.

**Features of the Hawa Variotec 150 GR frame profile**

- 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

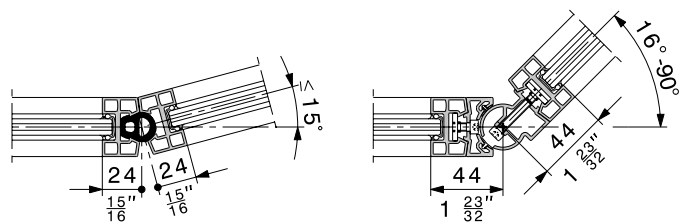
**Glass thickness**

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

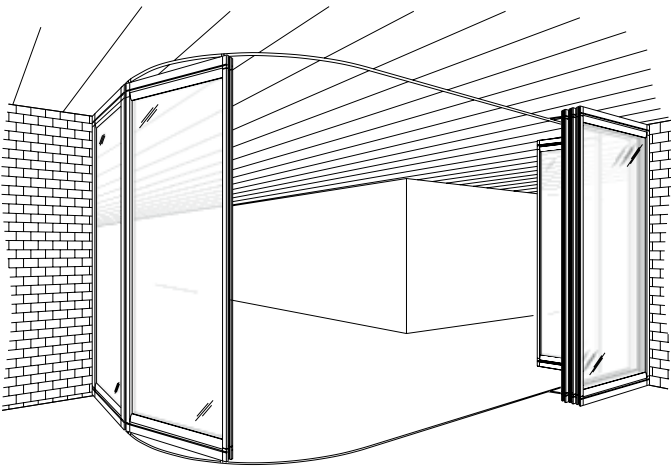
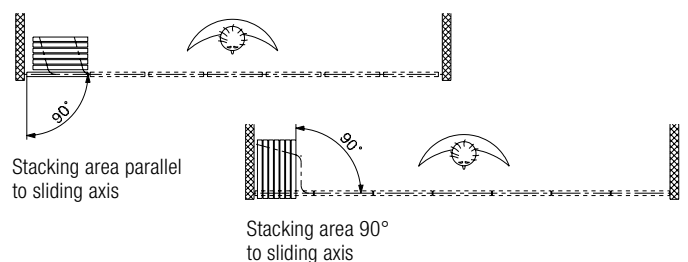
- Glass thickness sliding door ESG (fully tempered monolithic glass): 10/12/12,7 mm ( $\frac{13}{32}$ / $\frac{15}{32}$ / $\frac{1}{2}$ " ), thickness tolerance  $\pm 0,3$  mm
- Glass thickness sliding door VSG (fully tempered laminated glass): up to 13 mm ( $\frac{17}{32}$ " )
- All glass edges are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

**Changes of direction**

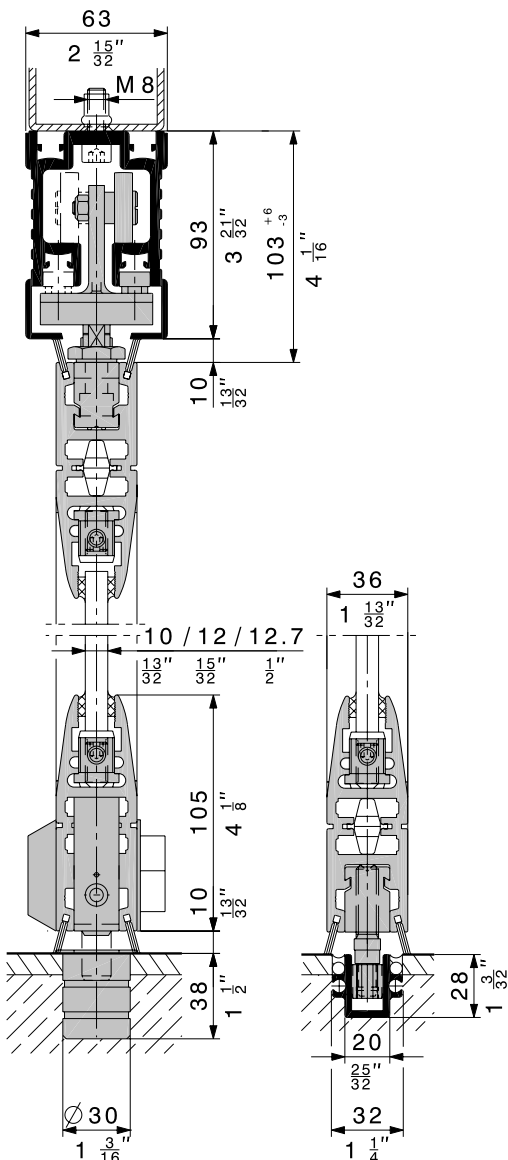
Thanks to customizable changes of direction and an option for installations with curved rails, virtually any floor plan layout is possible.



**Stacking areas**

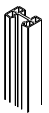




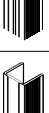



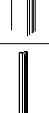
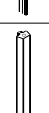



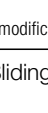



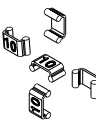

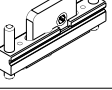
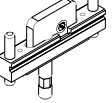
**Construction examples**



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

**Profiles for Hawa Variotec 150 GR frame profile**

			code
	Vertical profile, alu unanodized	6500 mm (21'3 <sup>3/8</sup> " )	17730
		cut to size	17731
	Vertical profile No. 1, alu unanodized, for change in direction	6500 mm (21'3 <sup>3/8</sup> " )	17724
		cut to size	17725
	Vertical profile No. 2, alu unanodized, for change in direction	6500 mm (21'3 <sup>3/8</sup> " )	17727
		cut to size	17728
	Stop profile, alu unanodized	6500 mm (21'3 <sup>3/8</sup> " )	17760
		cut to size	17761
	Wall-mounting profile, alu unanodized	6500 mm (21'3 <sup>3/8</sup> " )	17739
		cut to size	17741
	Cover profile, alu unanodized	6500 mm (21'3 <sup>3/8</sup> " )	17950
		cut to size	17951
	Cover profile for pivot door, alu unanodized	6500 mm (21'3 <sup>3/8</sup> " )	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	roll à 20 m (65'7 <sup>13/32</sup> " )	17733
	Rubber for vertical profile No. 2, black	roll à 5 m (16'4 <sup>3/8</sup> " )	17768
	Rubber profile for pivot door stop profile, black	roll à 5 m (16'4 <sup>3/8</sup> " )	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>3/8</sup> " )	18013
		12 mm ( <sup>1/2</sup> " )	18014
		12,7 mm ( <sup>1/2</sup> " )	18015
	Cover cap retention piece for deadbolt lock and safety lock		17921
	Deadbolt lock 13 mm ( <sup>1/2</sup> " ), for frontal mounting		17917
		Deadbolt lock 13 mm ( <sup>1/2</sup> " ), for frontal mounting, stainless steel WNR. 1.4301/AISI 304	18001
	Deadbolt lock 13 mm ( <sup>1/2</sup> " ), 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>11/16</sup> " )	17987	17988
	22 mm ( <sup>7/8</sup> " )	17989	17990
Cutout for safety lock, for single cylinder	17 mm ( <sup>11/16</sup> " )	17993	17994
	22 mm ( <sup>7/8</sup> " )	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 → 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