

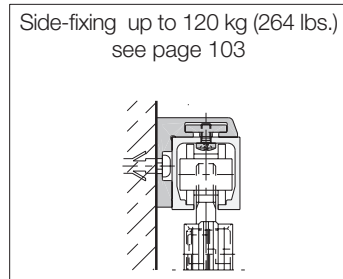
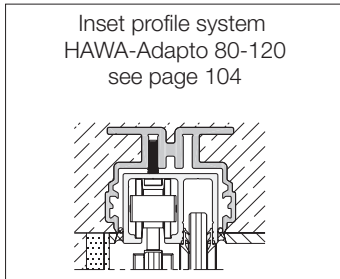
Hardware system with patch suspension for elegant all-glass sliding doors (ESG/VSG) weighing up to 40, 80, 120 and 160 kg (88, 176, 264 and 352 lbs.).

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
- Simple installation
- Further profiles allow stationary glass to be fitted without the hardware being visible
- Glass thickness sliding door
ESG: Toughened safety glass 8/10/12/12.7 mm ($\frac{5}{16}$ " / $\frac{13}{32}$ " / $\frac{15}{32}$ " / $\frac{1}{2}$ ")
VSG: Laminated safety glass 8.7 - 12.7 mm ($\frac{11}{32}$ " - $\frac{1}{2}$ ")
- Glass thickness stationary glass
ESG/VSG: 10 - 12 mm ($\frac{13}{32}$ " - $\frac{15}{32}$ ")

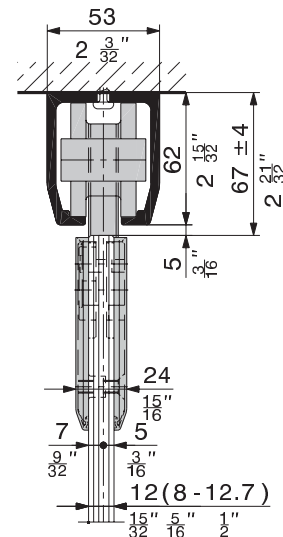
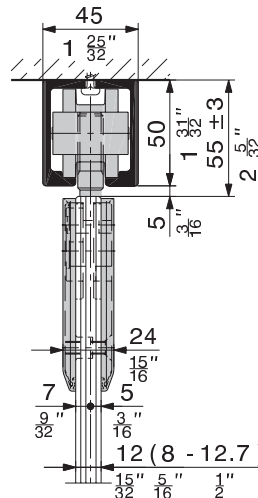
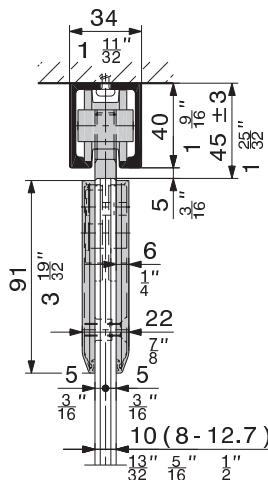
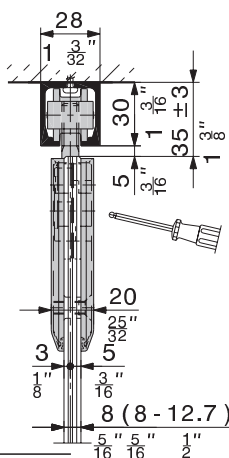


HAWA-Junior 40/GP

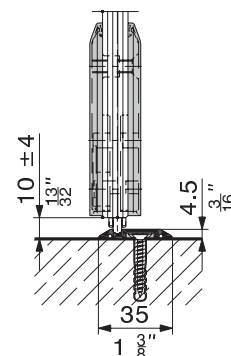
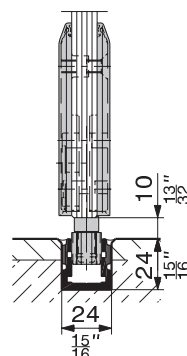
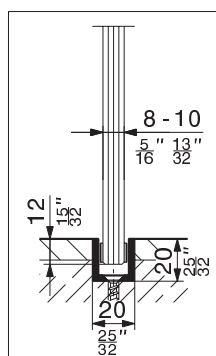
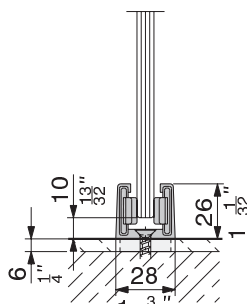
HAWA-Junior 80/GP

HAWA-Junior 120/GP

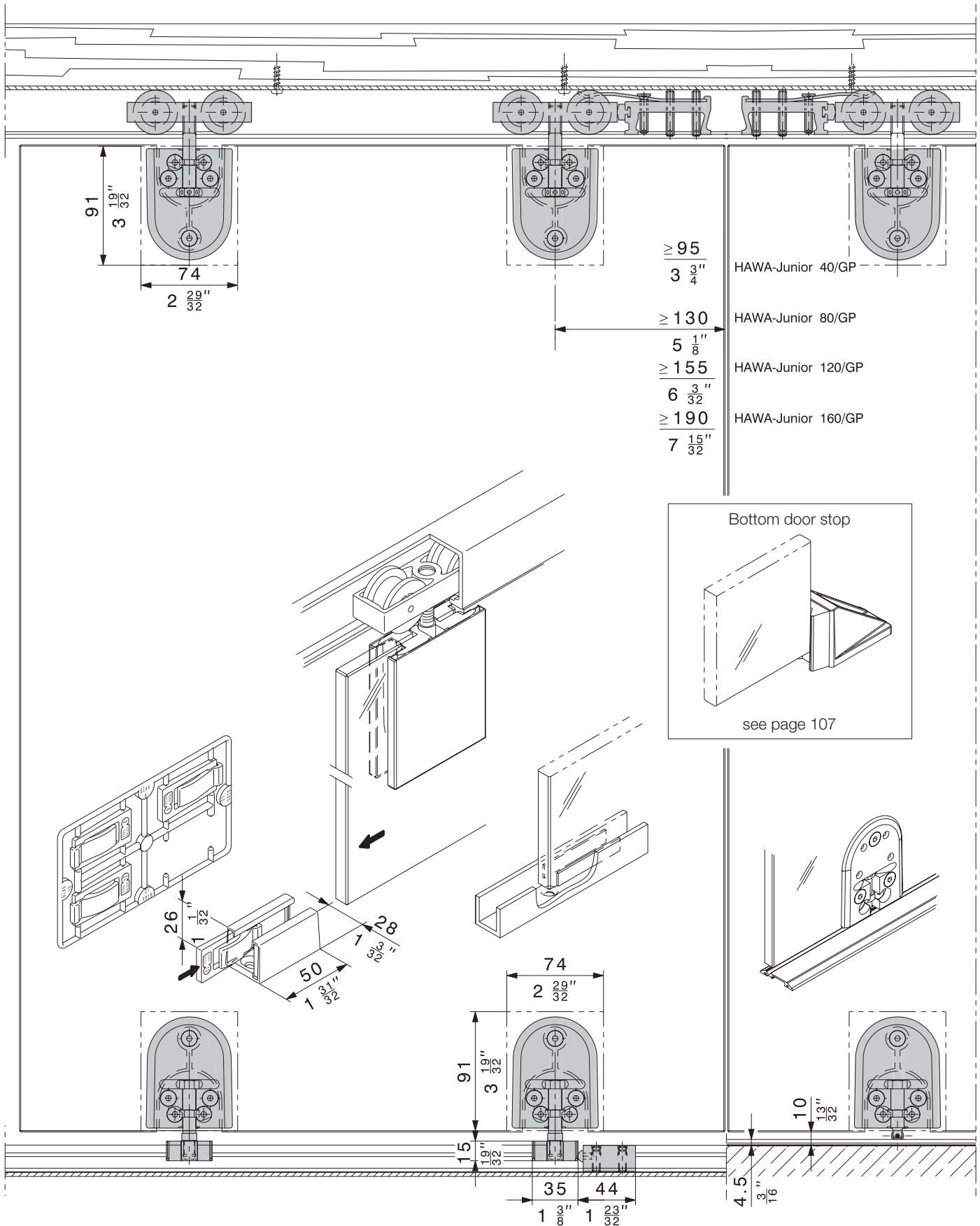
HAWA-Junior 160/GP



Floor-guide type



Examples of application










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

HAWA-Junior 40/GP, partial set, without top track

	code
HAWA-Junior 40/GP, partial set for single door (ESG/VSG)	20490
For two-panel sliding doors please order two sets for single doors.	

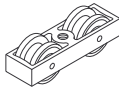
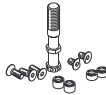

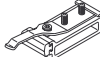



Partial set comprising

	pieces	code
	2	10420
	2	16017
	2	20505
	2	10640
	1	20400
	1	10629
	1	16329

HAWA-Junior 120/GP, partial set, without top track

	code
HAWA-Junior 120/GP, partial set for single door (ESG/VSG)	20492
For two-panel sliding doors please order two sets for single doors.	

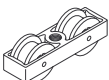

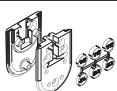
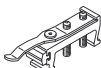



Partial set comprising

	pieces	code
	2	14857
	2	16019
	2	20505
	2	14858
	1	20400
	1	10629
	1	16329

HAWA-Junior 80/GP, partial set, without top track

	code
HAWA-Junior 80/GP, partial set for single door (ESG/VSG)	20491
For two-panel sliding doors please order two sets for single doors.	

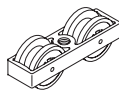






Partial set comprising

	pieces	code
	2	10407
	2	16018
	2	20505
	2	10628
	1	20400
	1	10629
	1	16329

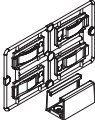
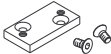
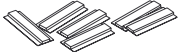
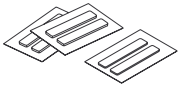



HAWA-Junior 160/GP, partial set, without top track

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

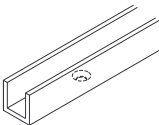
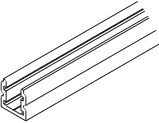



Partial set comprising

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

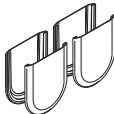



Floor-mounted guides

Caution: Minor differences in colour are possible.		code
	Floor guide, screw mounting, rattle proof, plastic, complete, for 8 - 12.7 mm ($\frac{5}{16}$ " - $\frac{1}{2}$ " glass	dull chromium finish 16029
		stainless steel effect 21267
	Distance plate to bottom guide	16657
	Self-adhesive sliders 8 mm ($\frac{5}{16}$ " glass	16192
	Self-adhesive sliders 10 mm ($\frac{25}{64}$ " glass	16193
	Patch suspension with glass holder insert, (ESG/VSG), 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

Bottom guide channels

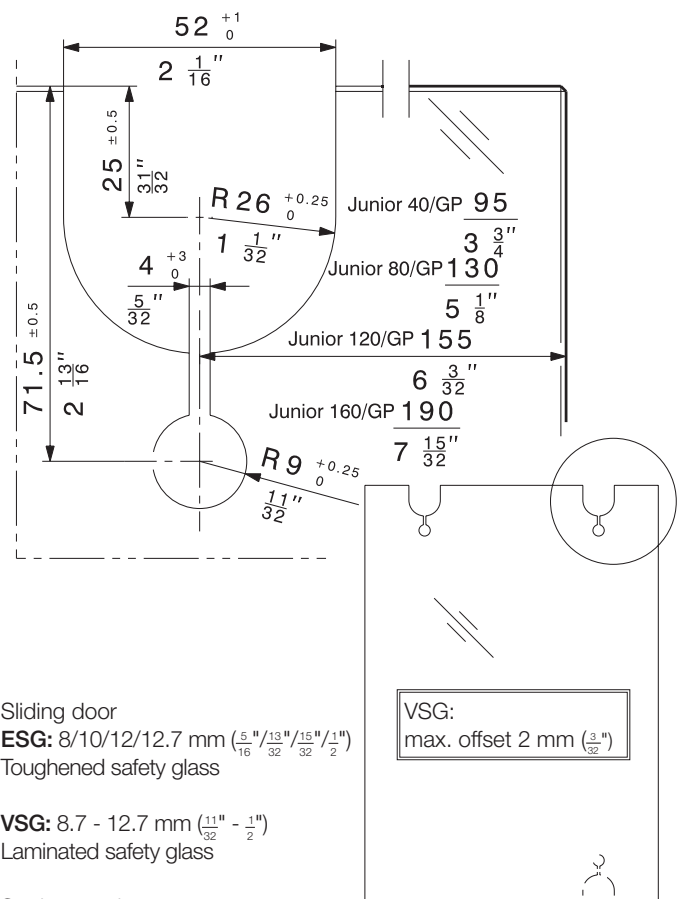
Caution: Hole positions vary.		mm/inch	code
	Bottom guide channel, alu plain anodized, predrilled, 20 x 20 x 3 mm ($\frac{25}{32}$ " x $\frac{25}{32}$ " x $\frac{1}{8}$ ")	6000 (19'8 $\frac{7}{32}$ ")	14414
		cut to size	14415
	Bottom guide channel, alu plain anodized, undrilled	6000 (19'8 $\frac{7}{32}$ ")	15405
		cut to size	15554
	Stop bumper		15636
	Single bottom guide channel, alu plain anodized	2500 (8'2 $\frac{7}{16}$ ")	19348
		3500 (11'5 $\frac{13}{16}$ ")	19349
		6000 (19'8 $\frac{7}{32}$ ")	18956
		cut to size	19350
	Set of fixing parts for single bottom guide channel 18956, 5 pieces (2 pieces per metre)		19162

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

Glass cutouts for sliding door

Both toughened safety glass (ESG) and laminated safety glass (VSG) manufactured from ESG can be used.
VSG permissible with max. offset of 2 mm ($\frac{3}{16}$ ").



Sliding door

ESG: 8/10/12/12.7 mm ($\frac{5}{16}$ "/ $\frac{13}{32}$ "/ $\frac{15}{32}$ "/ $\frac{1}{2}$ ")
Toughened safety glass

Toughened safety glass

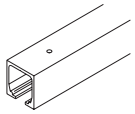
VSG: 8.7 - 12.7 mm ($\frac{11}{32}$ " - $\frac{1}{2}$ ")
Laminated safety glass

Laminated safety glass

Stationary glass

ESG/VSG: 10 - 12 mm ($\frac{13}{32}$ " - $\frac{15}{32}$ ")

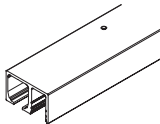

Top tracks to HAWA-Junior 40/GP

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Top track, alu plain anodized, predrilled	1400 (4'7 ¹ / ₈ ")	10213
		1600 (5'3")	10214
		1800 (5'10 ⁷ / ₈ ")	10215
		2000 (6'6 ³ / ₄ ")	10216
		3000 (9'10 ¹ / ₈ ")	18530
		4000 (13'1 ¹ / ₂ ")	18531
		6000 (19'8 ⁷ / ₃₂ ")	10211
		cut to size	10217
	Top track, alu stainless steel effect, brushed, predrilled	4000 (13'1 ¹ / ₂ ")	20002
		6000 (19'8 ⁷ / ₃₂ ")	20001
		cut to size	20003

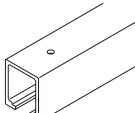
Top track sets to HAWA-Junior 40 with fixed glass

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
Top track set with fixed glass to HAWA-Junior 40, alu, predrilled	plain anodized	2000 (6'6 ³ / ₄ ")	20224
		6000 (19'8 ⁷ / ₃₂ ")	20225
	stainless steel effect, brushed	2000 (6'6 ³ / ₄ ")	21268
		6000 (19'8 ⁷ / ₃₂ ")	21269

Partial set comprising

	Top track with fixed glass, alu, predrilled	Cover profile to top track with fixed glass, alu
plain anodized		
stainless steel effect, brushed		
20224, 21268	2000 mm (6'6 ³ / ₄ ")	1250 mm (4'1 ⁷ / ₃₂ ")
20225, 21269	6000 mm (19'8 ⁷ / ₃₂ ")	3000 mm (9'10 ¹ / ₈ ")

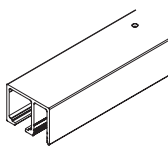

Top tracks to HAWA-Junior 80/GP

Caution: - Hole positions vary - Minor differences in colour are possible		mm/inch	code
	Top track, alu plain anodized, predrilled	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 / ₃₂ ")	10186
		cut to size	10188
Top track, alu stainless steel effect, brushed, predrilled	4000 (13'1 ¹ / ₂ ")	20005	
	6000 (19'8 ⁷ / ₃₂ ")	20004	
	cut to size	20006	

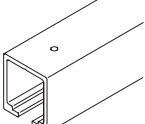
Top track sets to HAWA-Junior 80 with fixed glass

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

Partial set comprising

	Top track with fixed glass, alu, predrilled	Cover profile to top track with fixed glass, alu
plain anodized		
stainless steel effect, brushed		
20226, 21270	2500 mm (8'2 ⁷ / ₁₆ ")	1250 mm (4'1 ⁷ / ₃₂ ")
20227, 21271	4000 mm (13'1 ¹ / ₂ ")	2000 mm (6'6 ³ / ₄ ")
20228, 21272	6000 mm (19'8 ⁷ / ₃₂ ")	3000 mm (9'10 ¹ / ₈ ")

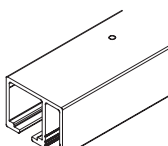

Top tracks to HAWA-Junior 120/GP

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

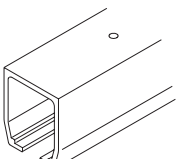
Top track sets to HAWA-Junior 120 with fixed glass

Caution: Hole positions vary.		mm	code
Top track set with fixed glass to HAWA-Junior 120, alu, predrilled		3000 (9'10 ¹ / ₈ ")	20229
		4000 (13'1 ¹ / ₂ ")	20230
		6000 (19'8 ⁷ / ₃₂ ")	20231

Partial set comprising

	Top track with fixed glass, alu, predrilled	Cover profile to top track with fixed glass, alu
plain anodized		
20229	3000 mm (9'10 ¹ / ₈ ")	2000 mm (6'6 ³ / ₄ ")
20230	4000 mm (13'1 ¹ / ₂ ")	2000 mm (6'6 ³ / ₄ ")
20231	6000 mm (19'8 ⁷ / ₃₂ ")	3000 mm (9'10 ¹ / ₈ ")

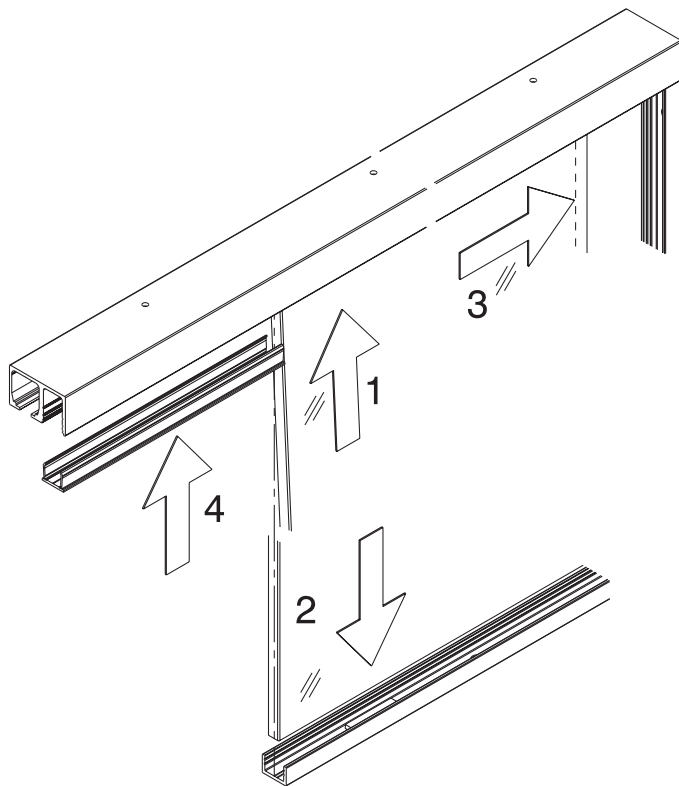
Top tracks to HAWA-Junior 160/GP

Caution: Hole positions vary.		mm/inche	code
	Top track, alu plain anodized, predrilled	3000 (9'10 ¹ / ₈ ")	10205
		4000 (13'1 ¹ / ₂ ")	10206
		5000 (16'4 ²⁷ / ₃₂ ")	10208
		6000 (19'8 ⁷ / ₃₂ ")	10203
		cut to size	10207

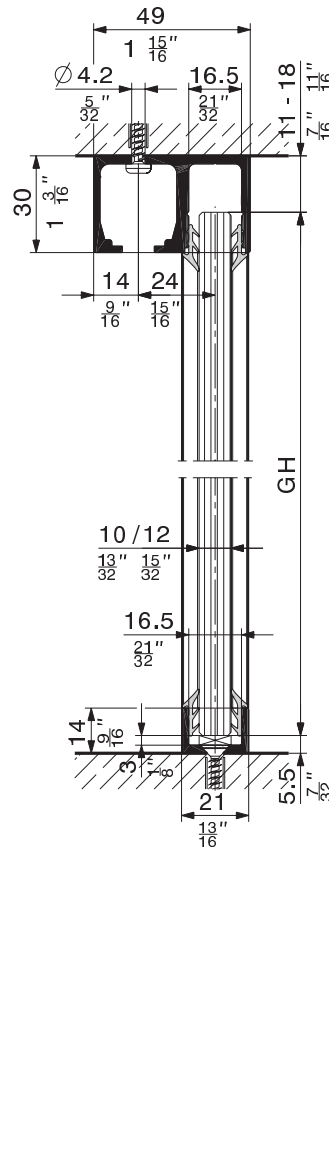
Top track sets with retainers for stationary glass

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

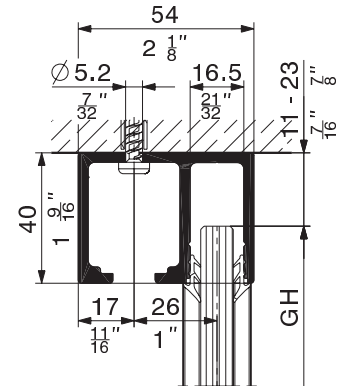
The glass element is simply positioned in the track's stationary glass retainer. Glass cut-outs and visible hardware are now no longer necessary. A retainer profile for wall and floor fitting provides sufficient stability, whether flush or mounted. A Hawa rubber profile or a silicone groove hold the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



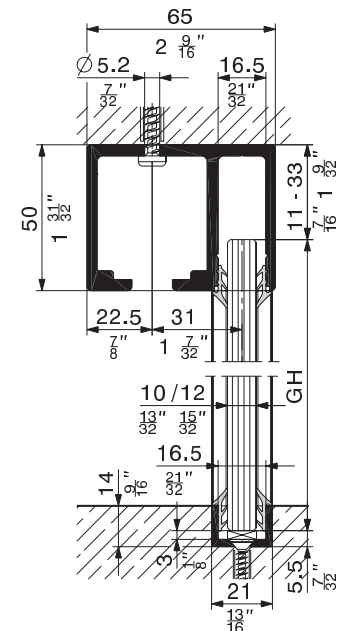
HAWA-Junior 40



HAWA-Junior 80



HAWA-Junior 120



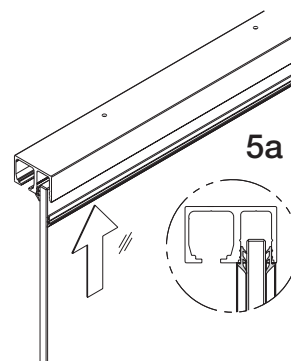
Profiles to fixed glass in stainless steel effect:
available from spring on 2007

Easy fitting of stationary glass

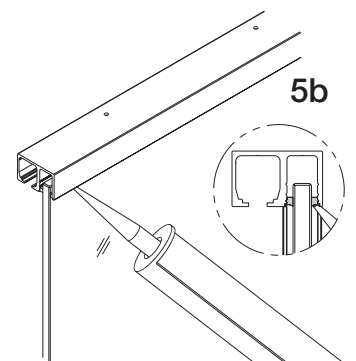
1. Slide glass element into stationary glass retainer at the top
2. Position the glass on the spacing block in the floor profile and/or
3. slide sideways into the wall profile
4. Clip cover profile into the walk-through area profile and seal
- 5a. with a Hawa rubber profile
- or
- 5b. with a silicone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

Planning/installation

For planning and installation purposes, please use the installation drawing code 19564.

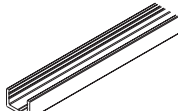

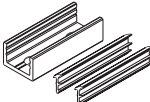


Dry glazing with the Hawa rubber profile.
Attention:
to be used on both sides, i.e.
order double the amount.



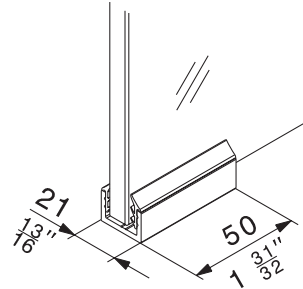
Silicone glazing provided by the customer.

Bottom-, wall- and rubber profile to fixed glass

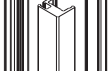
Caution: - Hole positions vary - Minor differences in colour are possible			mm/inch	code	
	Bottom-/wall profile to fixed glass, alu, predrilled	plain anodized	4000 (13'1 $\frac{1}{2}$ ")	19549	
			6000 (19'8 $\frac{7}{32}$ ")	19561	
		cut to size	20067		
		stainless steel effect, brushed	4000 (13'1 $\frac{1}{2}$ ")	21285	
			6000 (19'8 $\frac{7}{32}$ ")	21286	
cut to size	21287				
	Rubber profile, black, to fixed glass		roll of 10 m (32'9 $\frac{23}{32}$ ")	19846	
	Bottom-/wall glass retainer piece, alu, predrilled, with rubber profile	plain anodized	50 mm (1 $\frac{31}{32}$ ")	20274	
			stainless steel effect, brushed	50 mm (1 $\frac{31}{32}$ ")	21288

Bottom-/wall glass retainer piece

If the load is low, an aesthetically pleasing glass holder of only 50 mm length can be used instead of the continuous floor or wall profile.

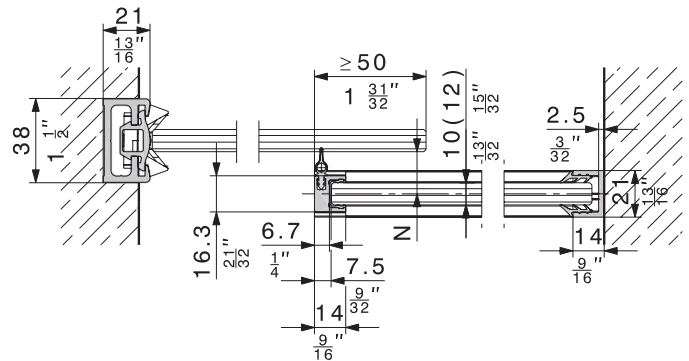


Vertical sealing profile

Caution: Minor differences in colour are possible.			mm/inch	code
	Vertical seal alu, for all-glass sliding doors, set for HAWA-Junior 40/80 with fixed glass	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 alu, for all-glass sliding doors, set for HAWA-Junior 120 with fixed glass		2500 (8'2 $\frac{7}{16}$ ")	20650
			3500 (11'5 $\frac{13}{16}$ ")	20651

Vertical sealing profile



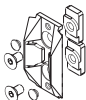

The vertical sealing profile is effective against draughts. The slim aluminium profile affixes frontally to glass elements 10 or 12 mm ($\frac{13}{32}$ "/ $\frac{15}{32}$ ") thick using silicone adhesive. The two-part rubber seal is recessed into the profile and offers three advantages: it slides almost noiselessly, creates minimal resistance to motion and, compared to conventional brush seals, retains its impeccable looks through years of service.



Glass distance "N" for vertical sealing profile

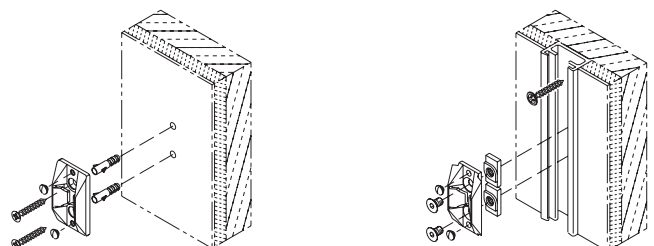
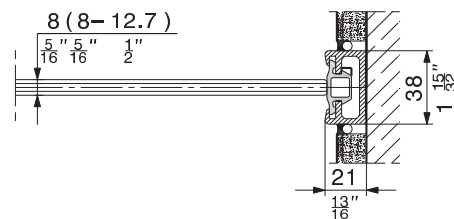
	glass thickness	glass distance "N"
HAWA-Junior 40/GP	8 - 12,7 mm ($\frac{5}{16}$ " - $\frac{1}{2}$ ")	19 mm ($\frac{3}{4}$ ")
HAWA-Junior 80/GP		21 mm ($\frac{27}{32}$ ")
HAWA-Junior 120/GP		26 mm (1 $\frac{1}{32}$ ")

Wall connection profile

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

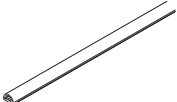
Wall connection profile

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



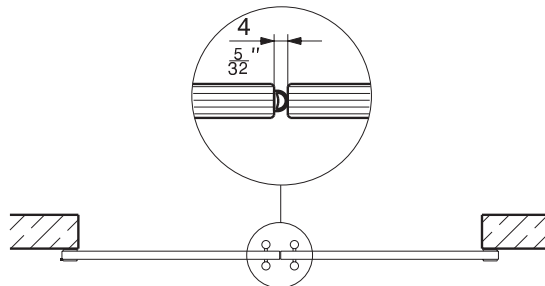
Subject to modification. Metric specifications are exact. Inches are approximate.

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' $\frac{1}{2}$ ")	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' $\frac{1}{2}$ ")	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 set to HAWA-Adapto 80-120

	mm/inch	code
Fitting set to HAWA-Adapto 80-120	to 2500 (8'2 $\frac{7}{16}$ ")	20232
	2600 to 4000 (8'6 $\frac{3}{8}$ " to 13'1 $\frac{1}{2}$ ")	20233
	4100 to 6000 (13'5 $\frac{7}{16}$ " to 19'8 $\frac{7}{32}$ ")	20234

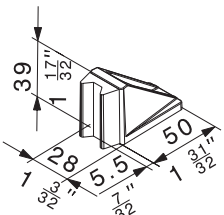
Fitting set to HAWA-Adapto 80-120

The HAWA-Junior top tracks both with and without a bottom profile for stationary glass can be screwed into the embedded HAWA-Adapto profile using 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 4 m (13'1 $\frac{1}{2}$ "). For details on the HAWA-Adapto 80-120 please see supplementary parts on page 104.

Set comprising

		mm/inch	20232	20233	20234	code
	Distance plate, plastic	1 ($\frac{1}{16}$ ")	2	2	3	19398
		2 ($\frac{3}{32}$ ")	2	2	3	19399
		3 ($\frac{1}{8}$ ")	2	2	3	19400
		5 ($\frac{7}{32}$ ")	4	4	6	19401
	Special pan head screws, 60 x 22 mm (2 $\frac{3}{8}$ " x $\frac{7}{8}$ "), set of 10 pieces		1	2	3	20215

Bottom door stop

		code
	<p>Bottom door stop, dull chromium finish</p> <p>The bottom door stop quietly and gently stalls sliding doors. Sliding doors should be stopped simultaneously at top and bottom.</p>	20773

Accessories

Accessories see pages 102-108

Planning/installation

For planning and installation purposes, please use the installation drawing code 16023.

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

Order specifications

- Type and quantity of partial sets
- Type and quantity of cover plates
- Type and length of top 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 top tracks with fixed glass
- Type and quantity of fitting sets

Optional order specification fixed glass

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