

Catalogue

06/2011

HAUTAU ATRIUM HS® and Alu-HS®

for timber, PVC, and aluminium elements



HAUTAU

HAUTAU Catalogue

Lift and Slide Fittings HAUTAU ATRIUM HS® HAUTAU ATRIUM Alu-HS® 06/2011

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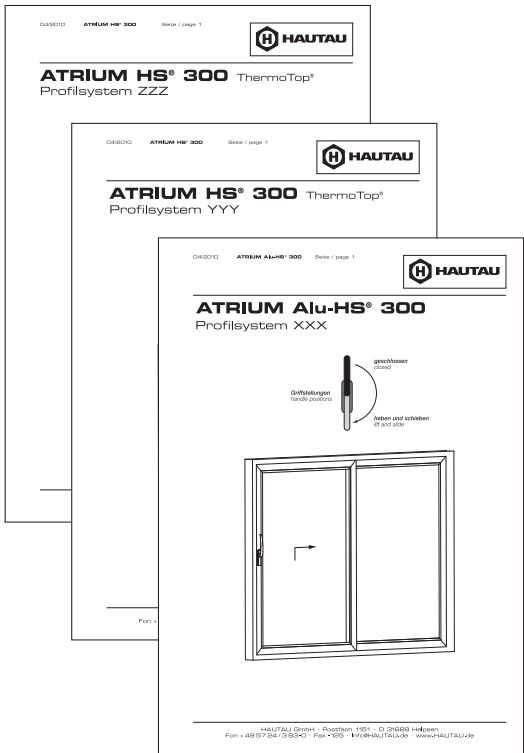
In consideration of progress, we reserve the right to apply construction modifications and, consequently, change any figures, dimensions, weight specifications etc. The figures do not show items in their actual size and are also not of the same proportion.

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Note: This catalogue provides an overview of the ATRIUM HS® and ATRIUM Alu-HS® lift-slide-fitting

Profile-related catalogue details can be found at www.hautau.de in the download area under “lifting and sliding”



The benefits

Ideal for large elements

The HAUTAU ATRIUM HS® and Alu-HS® lift-slide-fitting lifts and slides sash weights of up to 300 kg.

In a special design with tandem bogies of up to 400 kg.

Permitted sash heights are between 1,200 and 2,700 mm (3,300 mm) and sash widths lie between 720 and 3,235 mm, while outer frame widths must not exceed 6,500 mm.

The system is suitable for all common lift and slide windows and doors made of timber, PVC or aluminium.

Extremely easy installation

The system is designed for fast installation of slide-in running rails, convenient frame corner connections, pre-fabricated floor thresholds, and extremely simple installation of bogies and espag speak for themselves.

Excellent running characteristics

HAUTAU is the only manufacturer to equip their highly corrosion-protected bogies with cleaning brushes.

The effect: the runner rail cleans itself with each use while the rollers are protected from dirt and long-term damage.

When opening and closing the window, the lift and slide fittings HAUTAU ATRIUM HS® and Alu-HS® make perfect use of the leverage forces present in the espag and the bogie. Special PVC cover fillet supports in the bogies ensure that the rollers are relieved of the load in lowered and closed condition. This ensures a long life (only Alu-HS® 300 and 400), for many years of weightless gliding.

Secure ventilating and closing

Thanks to its well-engineered espag mechanism, the shapely HAUTAU design handle is pleasantly small and discreet. HAUTAU equips their lift and slide fittings HAUTAU ATRIUM HS® and Alu-HS® with a convenient vent function. Out of the box, the gear is ready to work with profile cylinders.



Thanks to the well-engineered mechanism of the espag and bogie, the shapely HAUTAU design handle is pleasantly small and discreet.





ThermoTop® threshold

HAUTAU ThermoTop® – the high thermal insulating threshold for lift-slide elements made of timber or PVC with HAUTAU ATRIUM HS® fitting systems.

If requested, HAUTAU will supply the lift and slide fitting HAUTAU ATRIUM HS® with extremely flat slide-in running rails. Strollers or wheel chairs will pass through the door effortlessly and without any obstruction.

Innovative material composition

The timber-PVC composite material minimizes linear expansion, thus ensuring proper operation of the element even in case of extreme temperature fluctuations.

Excellent visual appearance

The external visible surfaces of the HAUTAU ThermoTop® are elegantly covered by exchangeable aluminium profiles.

Simple design for easy installation

The custom-fit cut of the base material means minimal effort and tool wear. The integrated seal system makes it possible to easily clip additional profiles into the mounting grooves. The jamb is mounted by means of corner connectors which are optimized for the profile system.

Naturally barrier-free

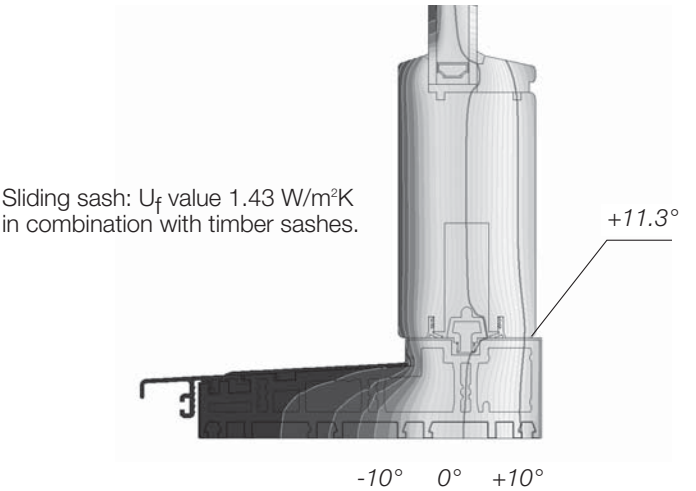
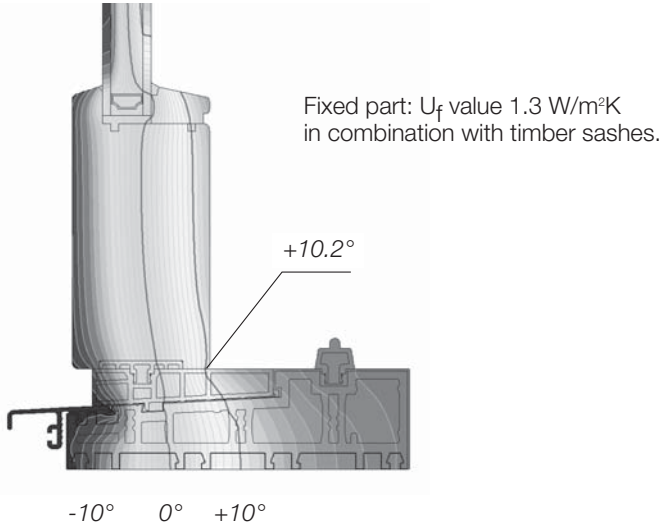
The HAUTAU ThermoTop® threshold enables an unobstructed passageway thanks to its low runner rail.

No condensation

The HAUTAU ThermoTop® threshold features optimal iso-thermal gradients not only on the sliding sash, but also on the fixed part. Cold bridges are prevented, because even if the outdoor temperature drops to -15°C, the surface temperature directly at the threshold is still above 10°C. This keeps the inside of the sash “warm”, even on the fixed sash. The cold-heat exchange and condensation are reduced to a minimum. Extremely high U_f values: 1.29 W/m²K (fixed sash) and 1.43 W/m²K (sliding sash).

Trendsetting and energy saving

The modular design of the HAUTAU ThermoTop® threshold enables excellent adaptation to large installation depths, making it ideal for high thermal insulating profile systems. The perfect combination for lowering heating costs.



ATRIUM HS® 300

ATRIUM Alu-HS® 300

Technical specifications

ATRIUM HS® 300, ATRIUM Alu-HS® 300

Range of application for scheme A:

Sash width	720 - 3235 mm
Sash height	1200 - 2700 mm (3300 mm*)
Frame overall width	6500 mm (Scheme A)

* with espag extension

Sash weight	max. 300 kg
-------------	-------------

Backset	37.5 mm
---------	---------

Handle position

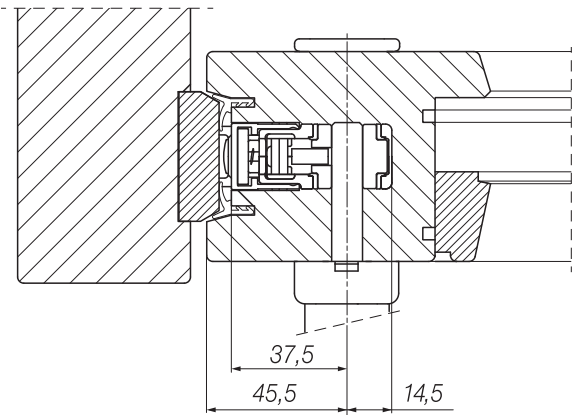
Windows (FH 1200 - 1800 mm)	~410 mm**
Doors (FH 1801 - 2700 mm)	~1010 mm

** Espag size 180

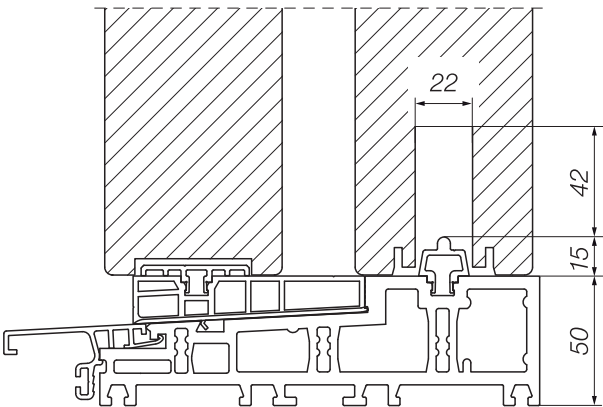
Ranges of application may vary depending on the profile system used. Always comply with the specifications of the profile manufacturer.



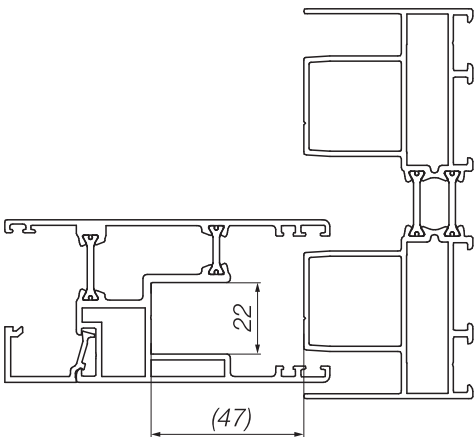
ATRIUM HS® 300 bogie handle side



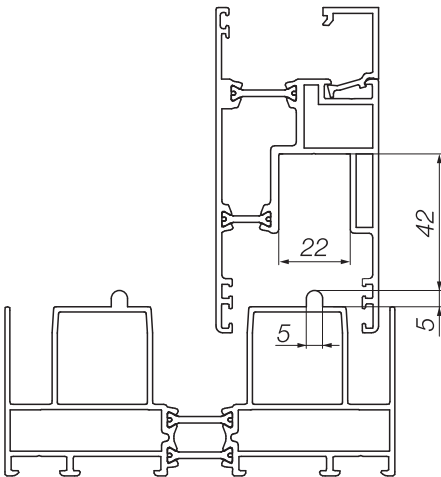
ATRIUM HS® 300 vertical cut (espag)



ATRIUM HS® 300 ThermoTop® threshold (with timber 68/28)



ATRIUM Alu-HS® 300 profile recommendation (dimensions of espag)



ATRIUM Alu-HS® 300 profile recommendation (dimensions of bogie)

ATRIUM HS® 400

ATRIUM Alu-HS® 400

Technical specifications

ATRIUM HS® 400, ATRIUM Alu-HS® 400

Range of application for scheme A:

Sash width	1310 - 3235 mm
Sash height	1200 - 2700 mm (3300 mm*)
Frame overall width	6500 mm (Scheme A)

* with espag extension

Sash weight	max. 400 kg
-------------	-------------

Backset	37.5 mm
---------	---------

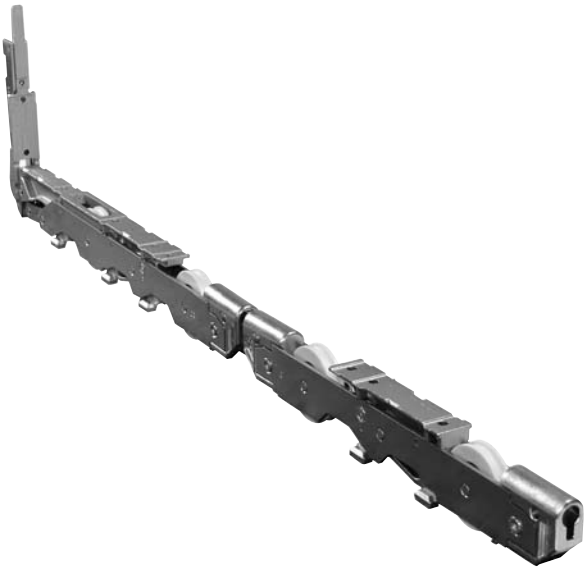
Handle position

Windows (FH 1200 - 1800 mm) ~410 mm **

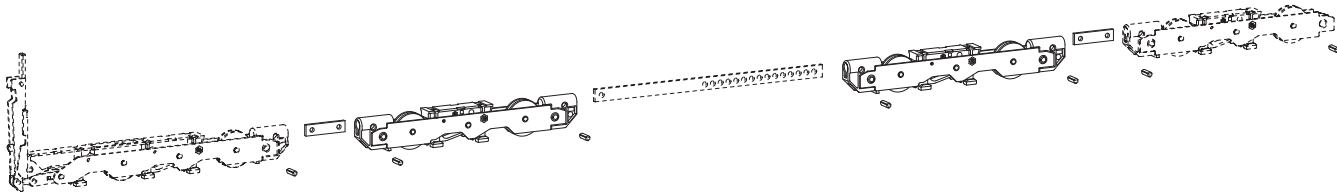
Doors (FH 1801 - 2700 mm) ~1010 mm

** Espag size 180

Ranges of application may vary depending on the profile system used. Always comply with the specifications of the profile manufacturer.



ATRIUM HS® 400 and Alu-HS® 400 bogie



ATRIUM HS® 200

ATRIUM Alu-HS® 200

Technical specifications

ATRIUM HS® 200, ATRIUM Alu-HS® 200

Range of application for scheme A:

Sash width	650 - 2360 mm
Sash height	1200 - 2700 mm
Frame overall width	4750 mm (Scheme A)
Sash weight	max. 200 kg
Backset	27.5 mm

Handle position

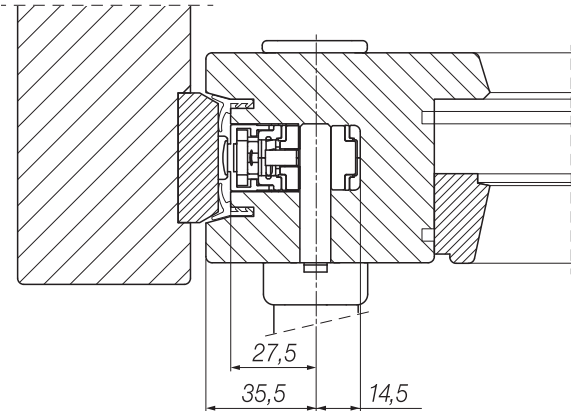
Windows (FH 1200 - 1800 mm) ~410 mm **
Doors (FH 1801 - 2700 mm) ~1010 mm

** Espag size 180

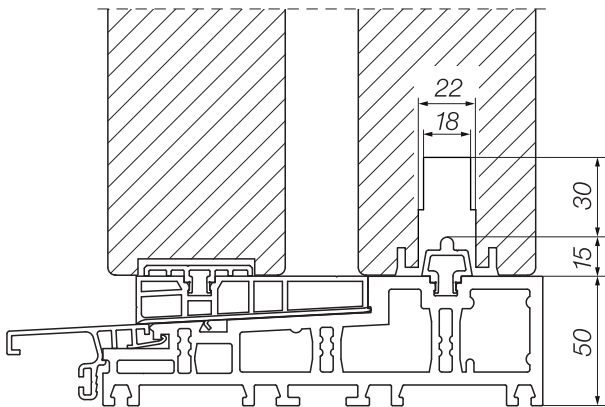
Ranges of application may vary depending on the profile system used. Always comply with the specifications of the profile manufacturer.



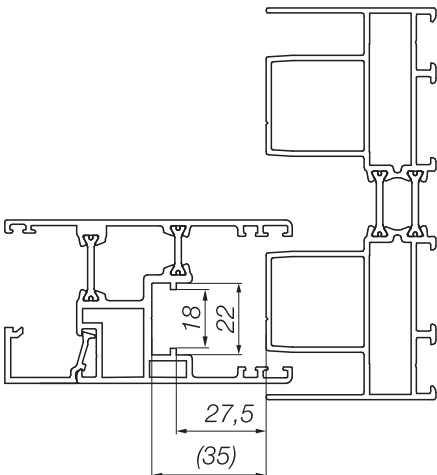
ATRIUM HS® 200 bogie handle side



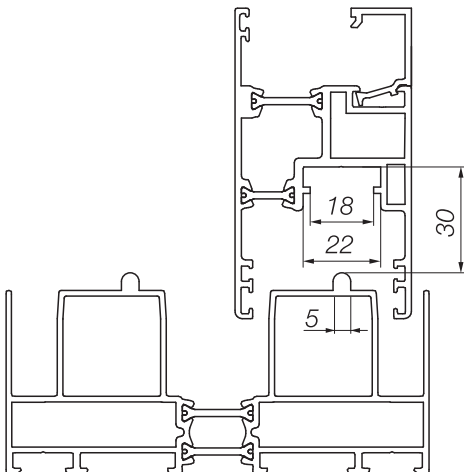
ATRIUM HS® 200 vertical cut (espag)



ATRIUM HS® 200 ThermoTop® threshold (with timber 68/28)

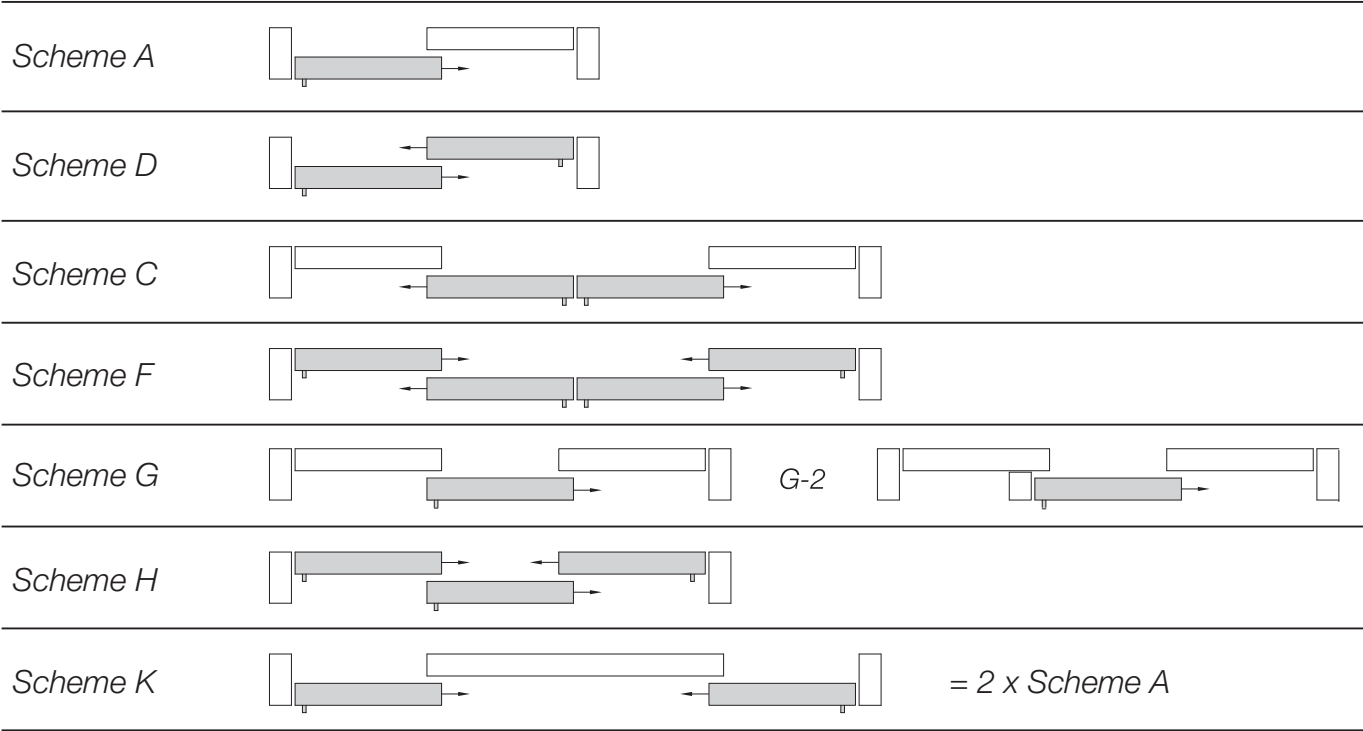


ATRIUM Alu-HS® 200 profile recommendation (dimensions of espag)



ATRIUM Alu-HS® 200 profile recommendation (dimensions of bogie)

Sash arrangement - ATRIUM HS®



Abbreviations

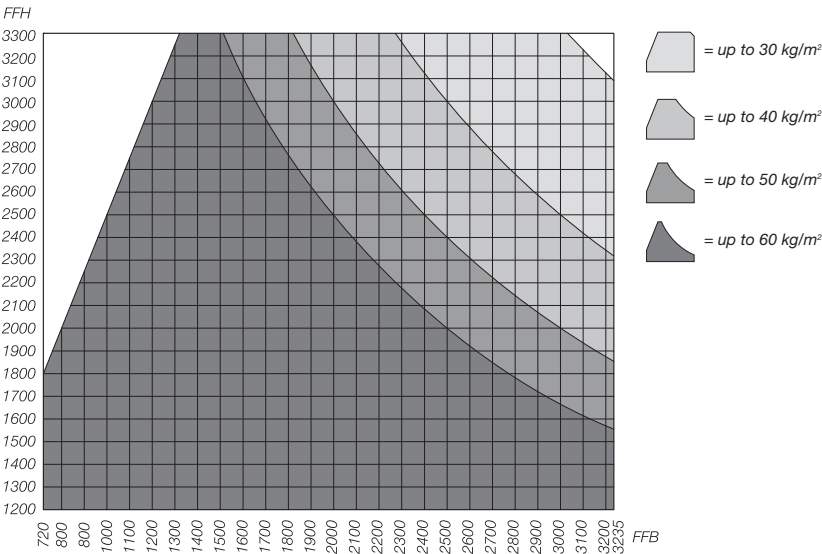
W	Width
S	Size
FB	Sash width
FFB	Sash rebate width
FH	Sash height
FFH	Sash rebate height
L	Length in mm

Ranges of application

The limits specified for the range of application **must be adhered to** and not be exceeded. Please also follow the permissible application sizes, manufacturing instructions and processing guidelines as provided by the profile manufacturers.

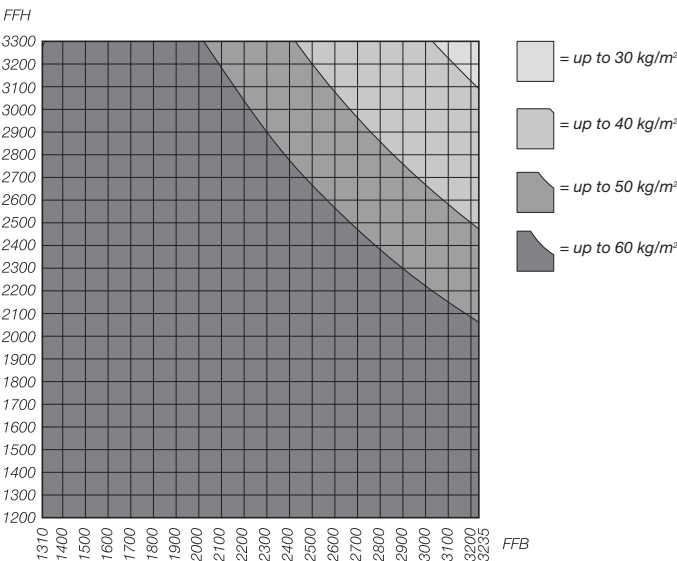
ATRIUM HS® 300 and Alu-HS® 300

FFH: FFB = max. 2.5 : 1 Sash weight = max. 300 kg



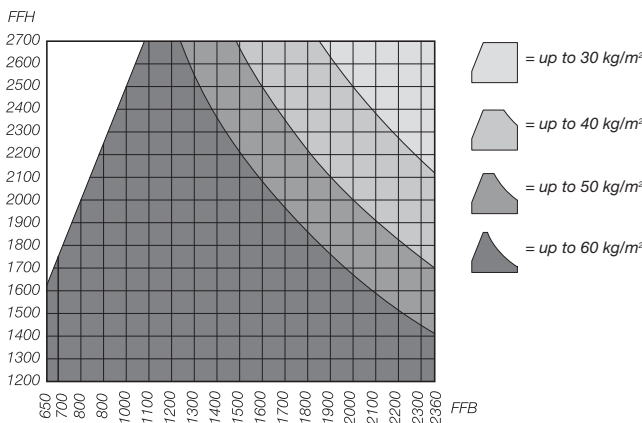
ATRIUM HS® 400 and Alu-HS® 400

FFH: FFB = max. 2.5 : 1 Sash weight = max. 400 kg



ATRIUM HS® 200 and Alu-HS® 200

FFH: FFB = max. 2.5 : 1 Sash weight = max. 200 kg



Order details and packing units

ATRIUM HS® 200 / ATRIUM HS® 300

Packing unit	Catalogue page	HS 300	HS 400	HS 200
Carton of bogies HS 300	14/15			
Carton of tandem bogies HS 400	14/15			
Carton of bogies HS 200	14/15			
Espag HS 300	16/17			
Espag HS 200	16/17			
Connecting rod	14/15			
Locking bolt	14/15			
Packers	16/17			
Profile-specific accessories	14-17			
Handle	18/19			
additionally in case of design with ThermoTop® threshold:				
ThermoTop® threshold set*	20-23			
Profile-specific accessories for threshold*	24/25			
Running and guiding rails*	26/27			

* For fitting set, see profile-specific online catalogues

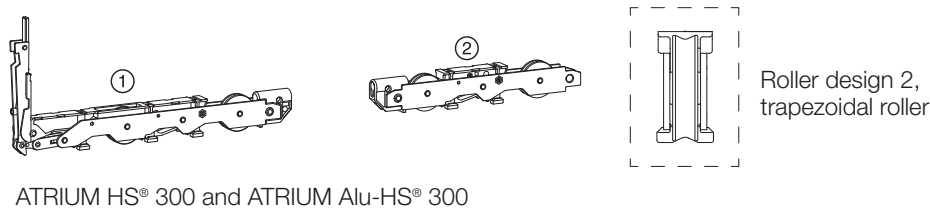
ATRIUM Alu-HS® 200 / ATRIUM Alu-HS® 300

Packing unit	Catalogue page	Alu-HS 300	Alu-HS 400	Alu-HS 200
Carton of bogies HS 300	14/15			
Carton of tandem bogies HS 400	14/15			
Carton of bogies HS 200	14/15			
Espag HS 300	16/17			
Espag HS 200	16/17			
Connecting rod	14/15			
Locking bolt	14/15			
Packers	16/17			
Profile-specific accessories	14-17			
Handle	18/19			

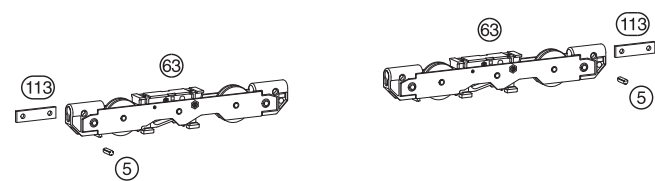
Notes

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

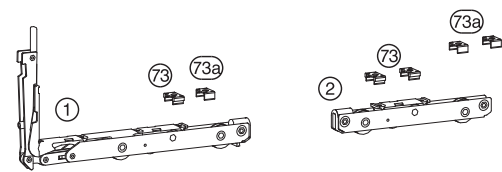
Bogies and accessories



ATRIUM HS® 300 and ATRIUM Alu-HS® 300

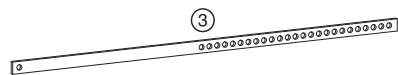


ATRIUM HS® 400 and ATRIUM Alu-HS® 400 (tandem bogies)

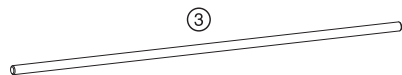


ATRIUM HS® 200 and ATRIUM Alu-HS® 200

- | Item | Label |
|------|--|
| ① | Bogie handle side |
| ② | Bogie |
| ③ | Connecting rod |
| ④ | Clamp guide / guide for connecting rod |
| ⑤ | Dowel pin / headless pin |
| ③5 | Packer for bogie HS 300 |
| ③5a | Packer for bogie HS 200 |
| ③7 | Packer for bogie HS 300 |
| ⑥3 | Tandem bogie |
| 73 | Spacer for bogie HS 200 (22 mm groove) |
| 73a | Spacer for bogie HS 200 (18 mm groove) |
| 113 | Connecting rod for tandem bogie (flat, size 6) |



Connecting rod



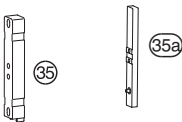
Connecting rod, round



Clamping guide for timber elements



Guide for PVC elements





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Bogies and accessories

Bogies

Item name	Item code
Carton of bogies HS 300 ① ②	184575
Carton of bogies HS 300, Design 2 (with trapezoidal roller) ① ②	189559
Carton of tandem bogies HS 400, with accessories in combination with carton of bogies HS 300, max. sash weight 400 kg ⑤ ⑥③ ⑪③	196199
Carton of bogies HS 200 ① ② ⑦③ ⑦③a	193720
Carton of bogies HS 200, Design 2 (with trapezoidal roller) ① ② ⑦③ ⑦③a	196035

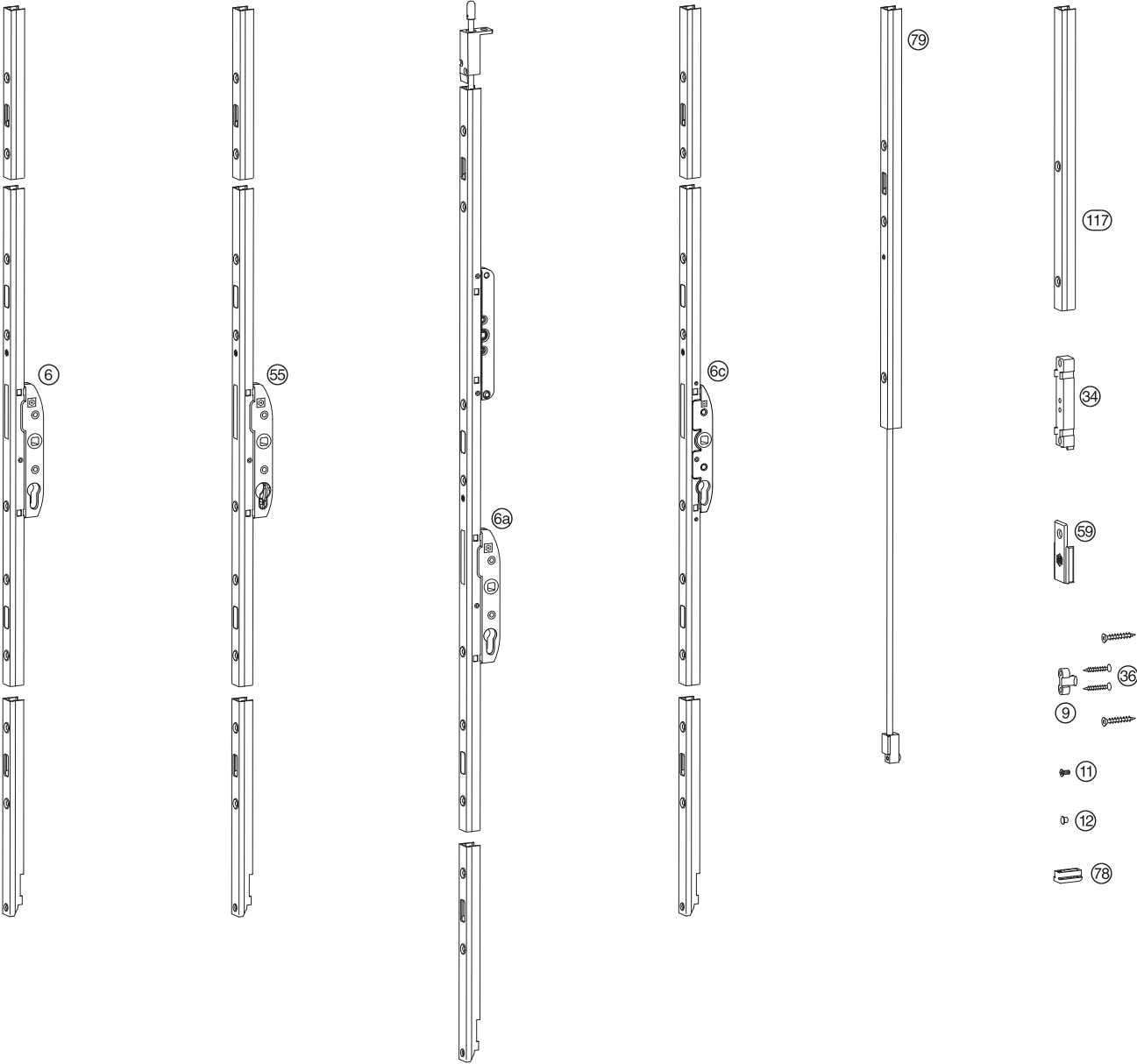
Connecting rods

Item name	Item code		
	Size	FB	HAUTAU-S-Plus
Connecting rod ③	150	720 - 1500	184578
	200	1501 - 2000	184581
	250	2001 - 2500	184584
	323	2501 - 3235	184587
	Size	FB	HAUTAU-S-Plus
Connecting rod, round ③	150	720 - 1500	111446
	200	1501 - 2000	111455
	250	2001 - 2500	188708
	323	2501 - 3235	188711
Clamping guide for timber elements HS 300 / HS 400 ④			200928
Clamping guide for timber elements HS 200 ④			205096
Guide for PVC elements HS 300 / HS 400 / HS 200 ④			196101
Packer for bogies HS 300 / HS 200 ③⑤ ③⑤a	profile-specific	see profile-specific online catalogues	
Packer for bogie HS 300 ③⑦	profile-specific	see profile-specific online catalogues	



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Gear



Item	Label
⑥	Espag HS 300 / HS 400
⑥a	Espag HS 300 / HS 400, Scheme G
⑥c	Espag HS 200
⑨	Locking bolt
⑪	Connecting screw, thread rolling
⑫	Cap for espag
⑳	Packer for espag (optional)
㉑	Screws
㉒	Espag for round cylinder
㉓	Cap for espag
㉔	Locking plate, Scheme G
㉕	Espag extension
㉖	Screen profile 600 mm



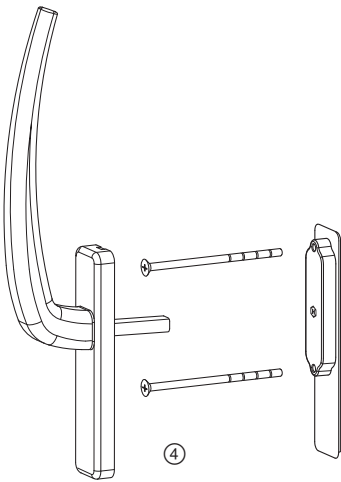
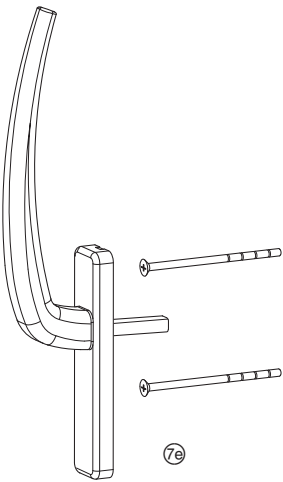
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Gear

Item name	Item code				
	Handle position	Size	FH	EV1	C34
Espag HS 300 / HS 400 ⑥ Backset 37.5 mm	410	180	1200-1800	184307	184310
	1010	210	1801-2100	184313	184316
	1010	240	2101-2400	184319	184322
	1010	270	2401-2700	184325	184328
Espag HS 300 / HS 400 ⑤ for round cylinder, backset 37.5 mm	410	180	1200-1800	204622	
	1010	210	1801-2100	204625	
	1010	240	2101-2400	204628	
	1010	270	2401-2700	204631	
Espag HS 300 / HS 400 ⑥ Scheme G, backset 37.5 mm	410	180	1200-1800	212944	
	1010	210	1801-2100	212947	
	1010	240	2101-2400	212950	
	1010	270	2401-2700	212953	
Locking plate, Scheme G ⑧	profile-specific		see profile-specific online catalogues		
Espag HS 200 ⑥ backset 27.5 mm	410	180	1200-1800	195419	195422
	1010	210	1801-2100	195425	195428
	1010	240	2101-2400	195431	195434
	1010	270	2401-2700	195437	195440

Item name		Item code
		EV1
Espag extension 600 mm 79		209738
Screen profile 600 mm 117		207205
		black
Cap for espag 59		195869
Cap for espag 12		187066
Connecting screw, thread rolling11		185404
Locking bolt 9	profile-specific	see profile-specific online catalogues
Packer for espag 34	profile-specific	see profile-specific online catalogues
Screws 36	profile-specific	see profile-specific online catalogues

Handles



- ItemLabel
- ④

Inner handle
- 7a

Handle Pz/I
- 7b

Handle Pz/A
- 7c

Handle for inner round cylinder Rz/I
- 7d

Handle for inner round cylinder Rz/IA
- 7e

Inner handle
- 7f

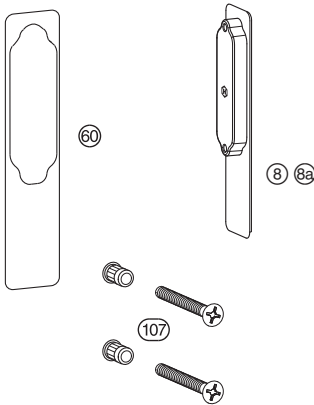
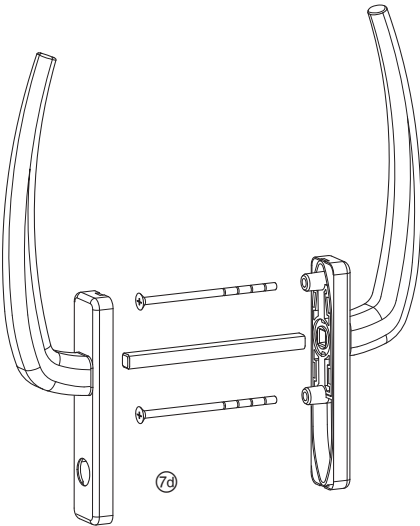
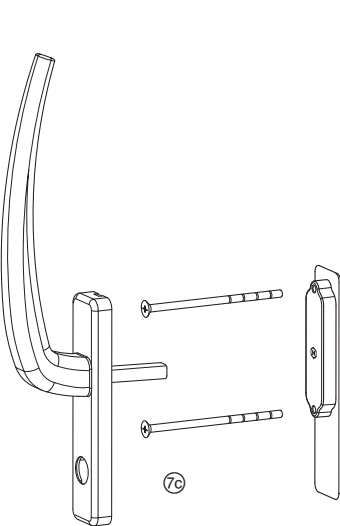
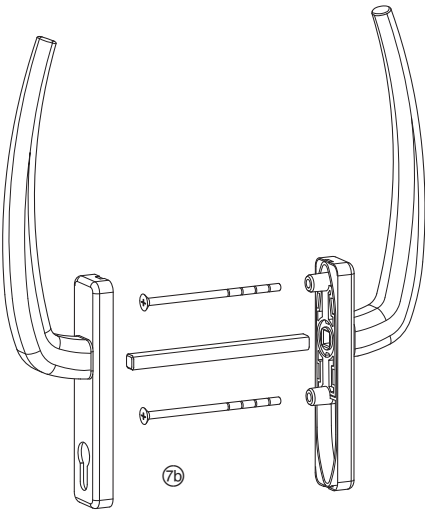
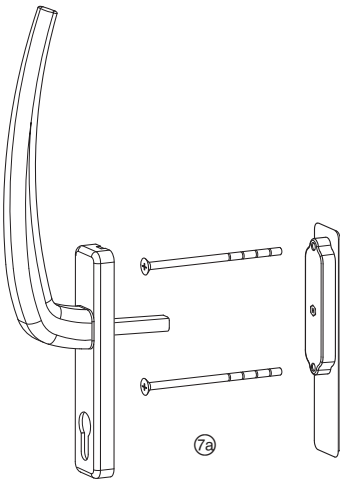
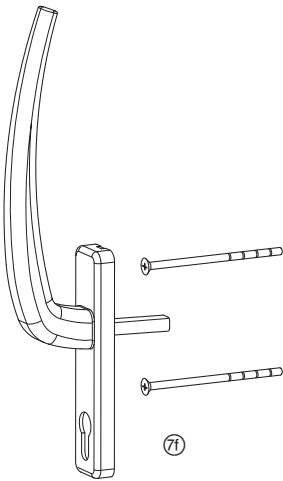
Inner handle Pz/I
- 8

Standard handle shell 9.5 mm
- 8a

Flat handle shell 6.5 mm
- 60

Seal for handle shell
- 107

Insert nuts for espag





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Handles

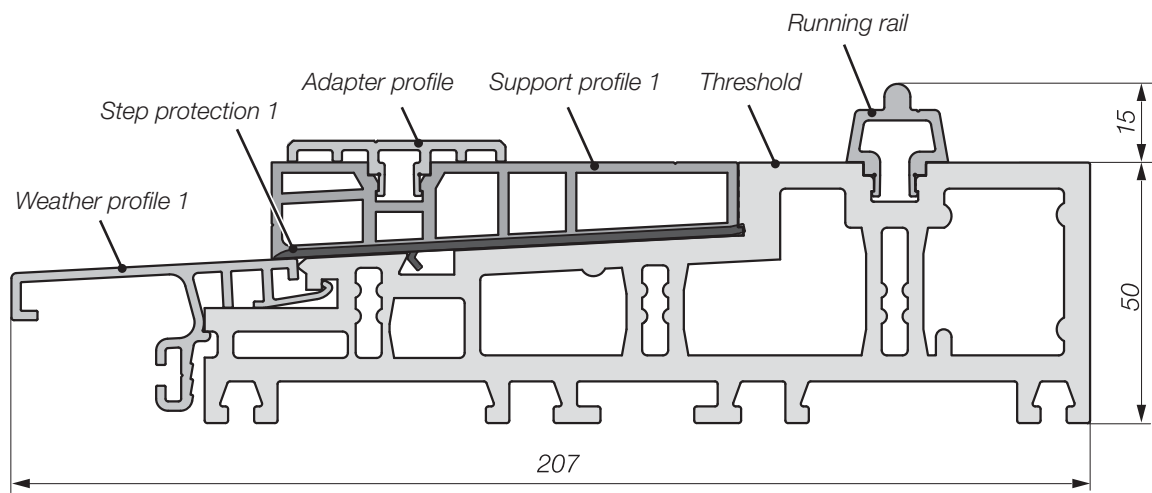
Item name		Item code						
Inner handle for sash thicknesses up to 80 mm		EV1	RAL 9016	RAL 9001	brown	black	C33	F9
	not lockable④	185176	185170	191554	185173	193615	185592	196841
	for semi-profile cylinder PZ/I ⑦a	186988	186982	191557	186985	193618	186991	196850
	for round profile cylinder RZ/I ⑦c	211300	211288	211291	211297	211294	211303	**
								natural blank
Inner handle for sash thicknesses from 81 to 92 mm	Individual parts for coating (no ill.)							204553
	Individual parts for coating for semi-profile cylinder (no ill.)							204556
		EV1	RAL 9016	RAL 9001	brown	black	C33	F9
	not lockable④	234422	234410	234413	234419	234416	234425	234428
	for profile cylinder PZ/I ⑦a	234443	234431	234434	234440	234437	234446	**
Handle Inside and outside for sash thicknesses up to 92 mm	for round cylinder RZ/I ⑦c	234479	234467	234470	234476	234473	234482	**
		EV1	RAL 9016	RAL 9001	brown	black	C33	F9
	for continuous profile cylinder PZ/IA ⑦b	185185	185179	191563	185182	193621	185595	196844
	SKG* for continuous profile cylinder PZ/IA (no ill.)	194855						
	for continuous round cylinder RZ/IA ⑦c	211318	211306	211309	211315	211312	211321	
Inner handle without shell *	Individual parts for coating (no ill.)							natural blank
	for continuous profile cylinder (PZ/IA)							206836
		EV1	RAL 9016	RAL 9001	brown	black	C33	F9
	not lockable ⑦a	196865	196853	**	196856	196859	**	**
	for profile cylinder PZ/I ⑦i	196880	196868	**	196874	196871	**	**
Flat handle shell ⑧a	6.5 mm	EV1	RAL 9016	RAL 9001	brown	black	C33	F9
		217710	217695	217698	217707	217704	217713	217716
Standard handle shell ⑧	9.5 mm	EV1	RAL 9016	RAL 9001	brown	black	C33	F9
		185167	185161	191527	185164	193600	191125	196814

Additional accessories

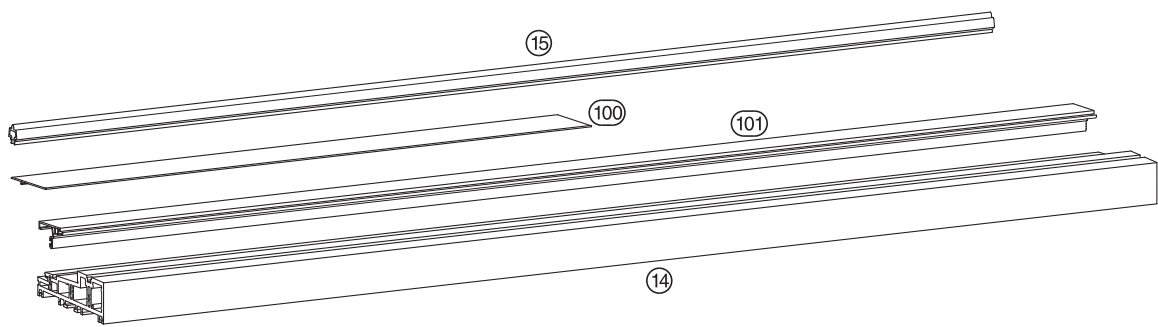
Item name	Item code
Bag of insert nuts with screws M5 x 50 (2 pieces) ⑩⑦	225496
Sealing plate for handle shell ⑩⑧	191260

* Handle for use with flat handle shell or insert nuts with screws
** on request

ThermoTop® threshold up to 78 mm sash thickness



Item	Label
⑭	Threshold
⑮	Running rail
⑩①	Step protection 1
⑩①	Weather profile 1



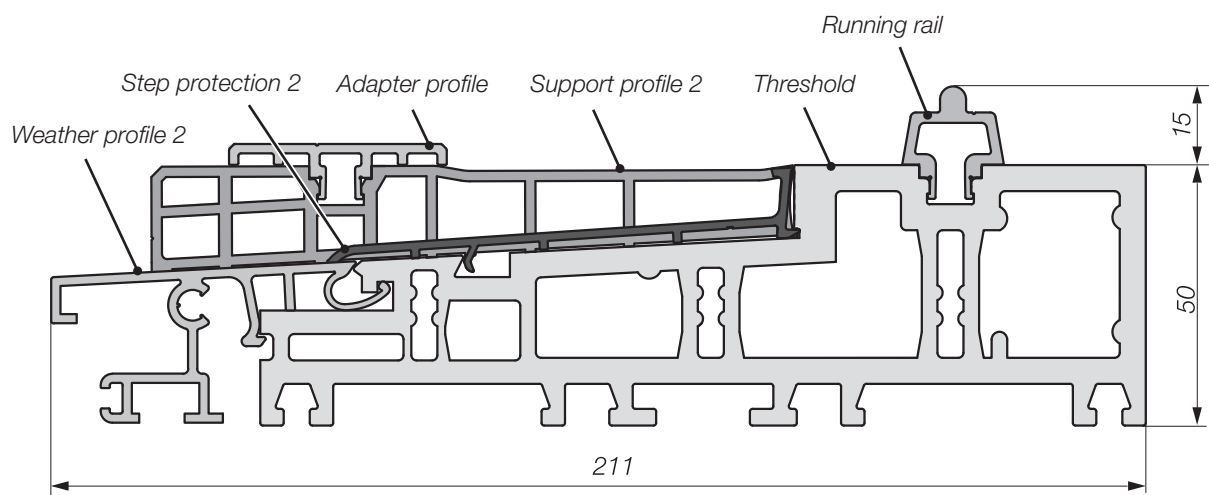
ThermoTop® threshold up to 78 mm sash thickness

Item name	Item code	
	L	grey / EV1
Threshold set ThermoTop® 14 15 100 101 incl. Weather profile 1, Step protection 1 and running rail 23*	3000	225035
	3500	225038
	4000	225041
	4500	225044
	5500	225047
	6500	225050
Threshold set ThermoTop® 14 15 100 101 incl. Weather profile 1, Step protection 1 and running rail 24*	3000	225053
	3500	225056
	4000	225059
	4500	225062
	5500	225065
	6500	225068
Threshold set ThermoTop® 14 15 100 101 incl. Weather profile 1, Step protection 1 and running rail 28*	3000	225071
	3500	225074
	4000	225077
	4500	225080
	5500	225083
	6500	225086
Threshold set ThermoTop® 14 15 100 101 incl. Weather profile 1, Step protection 1 and running rail 29*	3000	225089
	3500	225092
	4000	225095
	4500	225098
	5500	225101
	6500	225104
Threshold set ThermoTop® 14 15 100 101 incl. Weather profile 1, Step protection 1 and running rail 30*	3000	225107
	3500	225110
	4000	225113
	4500	225116
	5500	225119
	6500	225122
Threshold set ThermoTop® 14 15 100 101 incl. Weather profile 1, Step protection 1 and running rail 31*	3000	225125
	3500	225128
	4000	225131
	4500	225134
	5500	225137
	6500	225140

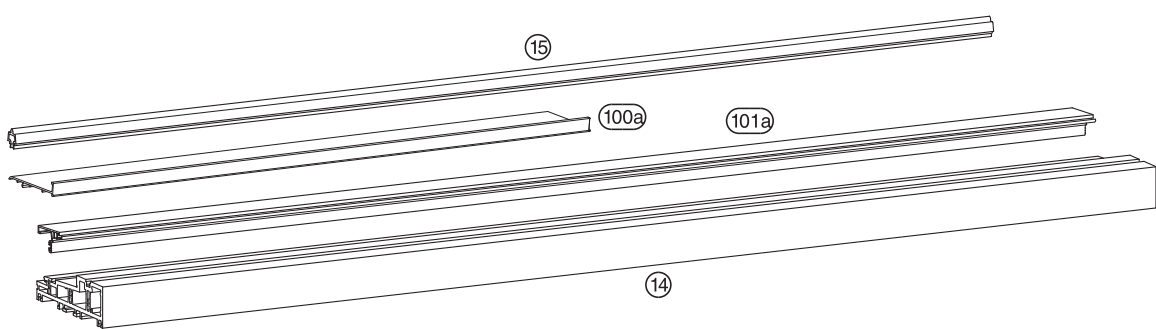
Item name	Item code	
	L	EV1
Threshold set ThermoTop® 14 100 101 incl. Weather profile 1 and step protection 1, without running rail	3000	225017
	3500	225020
	4000	225023
	4500	225026
	5500	225029
	6500	225032

* Note: for matching running rails, see page 26

ThermoTop® threshold from 79 mm sash thickness



Item	Label
14	Threshold
15	Running rail
100a	Step protection 2
101a	Weather profile 2



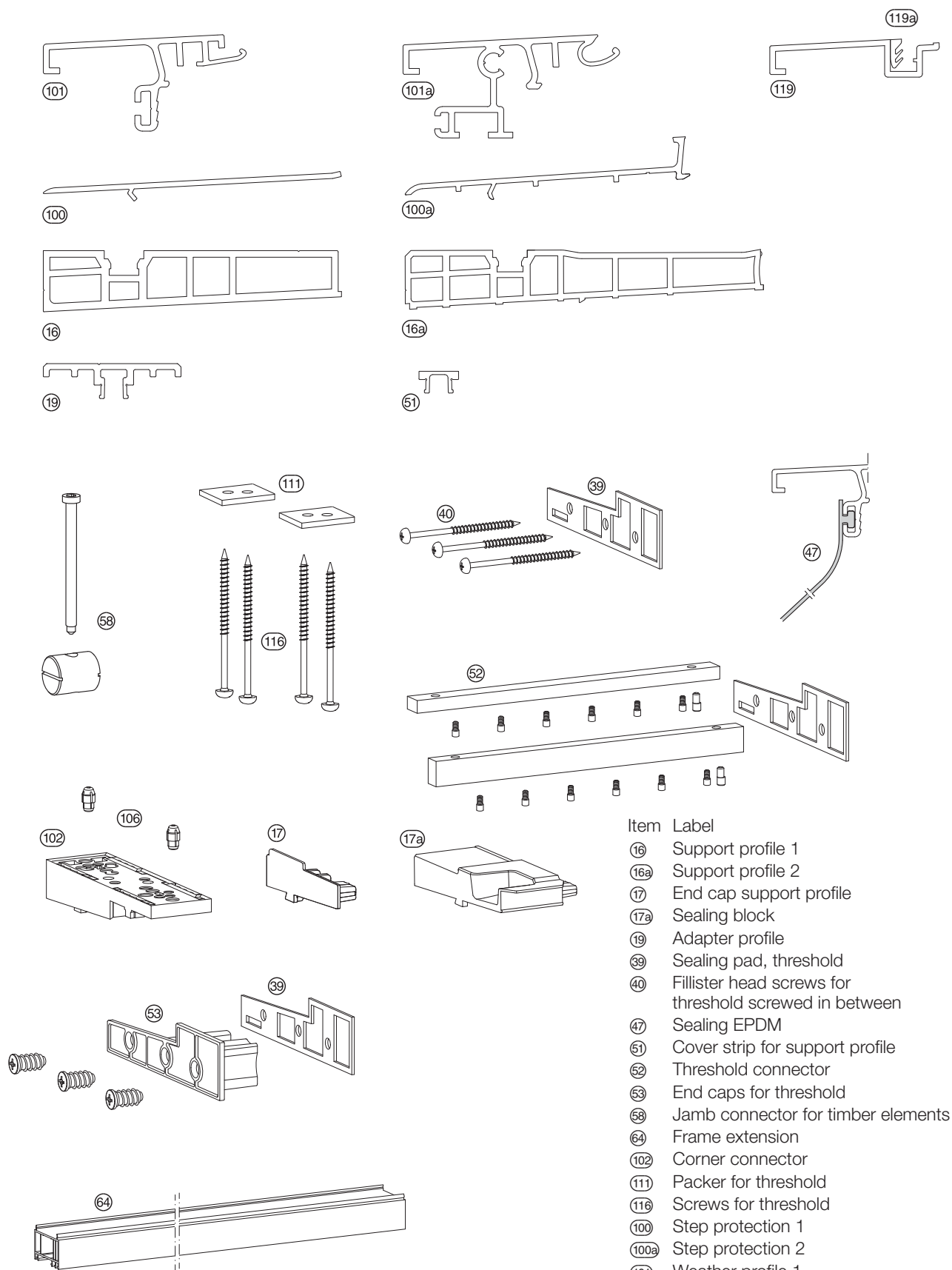
ThermoTop® threshold from 79 mm sash thickness

Item name	Item code	
	L	grey / EV1
Threshold set ThermoTop® 14 15 100a 101a incl. Weather profile 2, Step protection 2 and running rail 23*	3000	229471
	3500	229474
	4000	229477
	4500	229480
	5500	229483
	6500	229486
Threshold set ThermoTop® 14 15 100a 101a incl. Weather profile 2, Step protection 2 and running rail 24*	3000	229489
	3500	229492
	4000	229495
	4500	229498
	5500	229501
	6500	229504
Threshold set ThermoTop® 14 15 100a 101a incl. Weather profile 2, Step protection 2 and running rail 32*	3000	229507
	3500	229510
	4000	229513
	4500	229516
	5500	229519
	6500	229522

Item name	Item code	
	L	EV1
Threshold set ThermoTop® 14 100a 101a incl. Weather profile 2 and Step protection 2, without running rail	3000	229453
	3500	229456
	4000	229459
	4500	229462
	5500	229465
	6500	229468

* **Note:** for matching running rails, see page 26

ThermoTop® threshold accessories



- | Item | Label |
|------|--|
| 16 | Support profile 1 |
| 16a | Support profile 2 |
| 17 | End cap support profile |
| 17a | Sealing block |
| 19 | Adapter profile |
| 39 | Sealing pad, threshold |
| 40 | Fillister head screws for threshold screwed in between |
| 47 | Sealing EPDM |
| 51 | Cover strip for support profile |
| 52 | Threshold connector |
| 53 | End caps for threshold |
| 58 | Jamb connector for timber elements |
| 64 | Frame extension |
| 102 | Corner connector |
| 111 | Packer for threshold |
| 116 | Screws for threshold |
| 100 | Step protection 1 |
| 100a | Step protection 2 |
| 101 | Weather profile 1 |
| 101a | Weather profile 2 |
| 119 | Weather profile extension |
| 119a | Sealing weather profile extension |

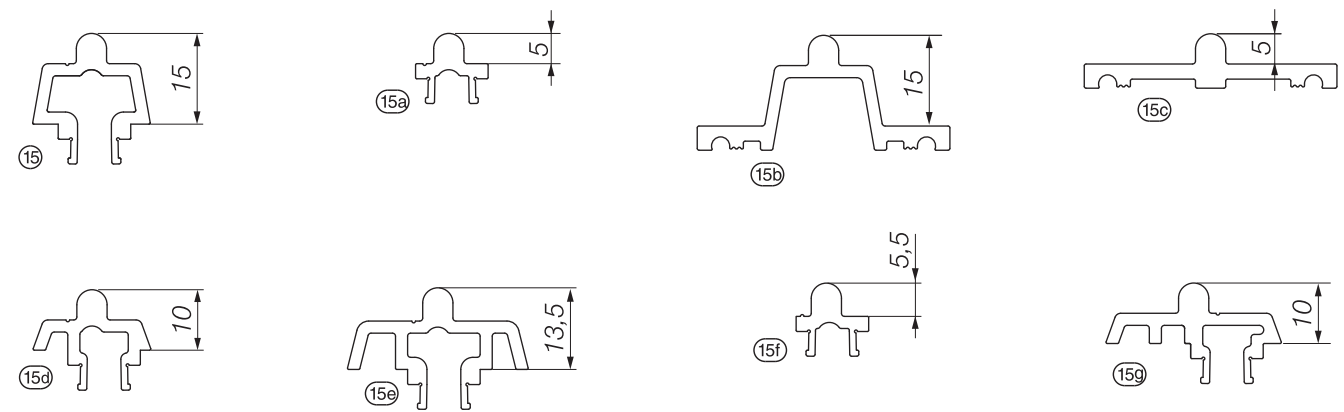
ThermoTop® threshold accessories

Item name	Item code		
Weather profile 1 for ThermoTop® (101)	L	EV1	
	3000	218508	
	3500	218511	
	4000	218514	
	4500	218517	
	5500	218520	
Weather profile 2 for ThermoTop® (101a)	6500	218523	
	3000	228943	
	3500	228946	
	4000	228949	
	4500	228952	
	5500	228955	
Extension for weather profile 1 and 2 (119)	6500	228958	
	3000	234931	
	3500	234928	
	4000	234925	
	4500	234922	
	5500	234919	
Sealing for weather profile extension (119a)	6500	234913	
	L	black	
Step protection 1 for ThermoTop® (100)	6500	234910	
	L	EV1	
	1660	218535	
	2160	218538	
Step protection 2 for ThermoTop® (100a)	3160	218541	
	1660	228970	
	2160	228973	
Support profile 1 for ThermoTop® (16)	3160	228976	
	L	grey	
	2000	218679	
	3500	218682	
Support profile 2 for ThermoTop® (16a)	6500	218685	
	2000	229330	
	3500	229333	
Adapter profile 1 for ThermoTop® (19)	6500	229336	
	2000	206548	
Sealing EPDM (47)	3500	202394	
End cap for support profile 1 (17)	100 m	202572	
Cover strip for support profile 1 and 2 (51)	in profile-specific accessories		
Accessories for threshold screwed in between (39) (40)	6000	206368	
Threshold connector set (52)	235432		
End cap for threshold (39) (53)	235009		
Jamb connector for timber elements (58)	in profile-specific accessories		
Corner connector (102) (106)	206824		
Packer for threshold (111)	in profile-specific accessories		
Screws for threshold (119)	in profile-specific accessories		
Sealing block (17a)	in profile-specific accessories		
Frame extension (64)	B	L	Recyclat
	40 mm	6000	206875
	60 mm	6000	206878
	100 mm	6000	206881



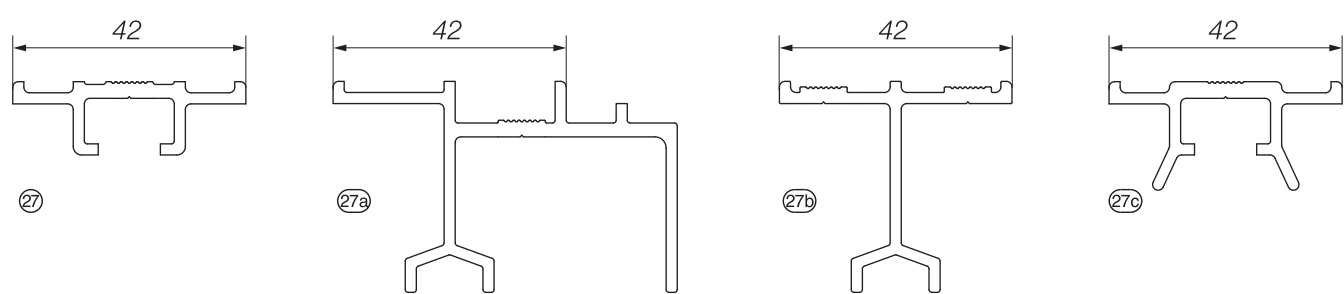
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Running rails



Item	Label
15	Running rail 23
15a	Running rail 24 (see page 29)
15b	Running rail 26
15c	Running rail 27 (see page 29)
15d	Running rail 28
15e	Running rail 30
15f	Running rail 31 (see page 29)
15g	Running rail 32

Guiding rails



Item	Label
27	Guiding rail 1
27a	Guiding rail 2
27b	Guiding rail 3
27c	Guiding rail 4



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Running rails

Item name	Item code	
	L	EV1
Running rail 23	3000	189907
	3500	189913
	4000	190351
	4500	185317
	5500	185320
	6500	185323
Running rail 26	3000	189952
	3500	189955
	4500	189703
	5500	189706
	6500	189709
Running rail 28	3000	191305
	3500	191308
	4000	191311
	4500	191314
	5500	191317
	6500	191320
Running rail 30	3000	212506
	3500	212509
	4000	212512
	4500	212515
	5500	212518
	6500	212521
Running rail 32	3000	228997
	3500	229000
	4000	229003
	4500	229006
	5500	229009
	6500	229012

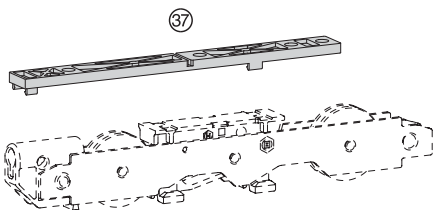
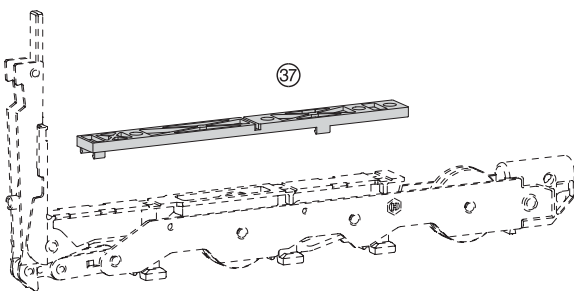
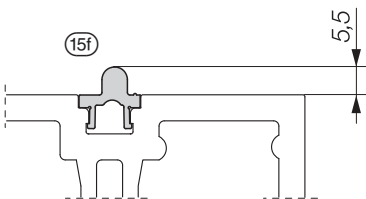
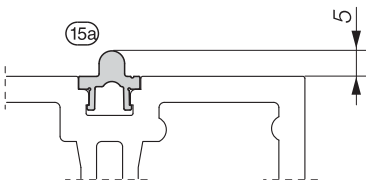
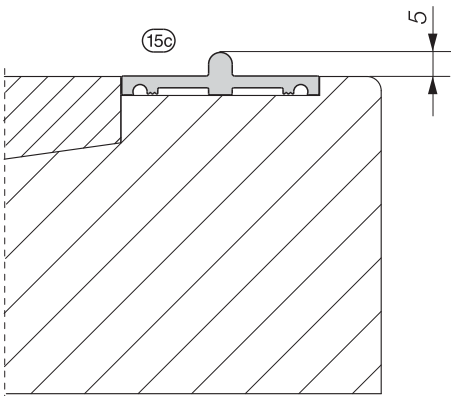
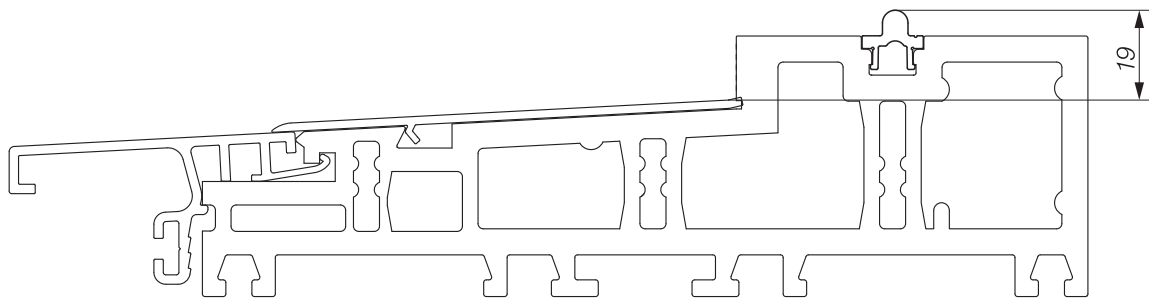
Guiding rails

Item name	Item code			
	L	EV1	C33	C34
Guiding rail 1	3000	189892		
	3500	189895		
	4000	190656		
	4500	185667		
	5500	185670		
	6500	185673	185676	185679
Guiding rail 2	3000	189898		
	3500	189901		
	4000	190659		
	4500	185682		
	5500	185685		
	6500	185688	185691	185694
Guiding rail 3	3000	234170		
	3500	234173		
	4000	234176		
	4500	234179		
	5500	234182		
	6500	197360	197363	197366
Guiding rail 4	3000	229033		
	3500	229036		
	4000	229039		
	4500	229042		
	5500	229045		
	6500	229048		



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Accessories for ThermoTop® - threshold, barrier-free



Item	Label
15a	Running rail 24 (barrier-free according to DIN 18025)
15c	Running rail 27 (barrier-free according to DIN 18025)
15f	Running rail 31
37	Packer for bogie



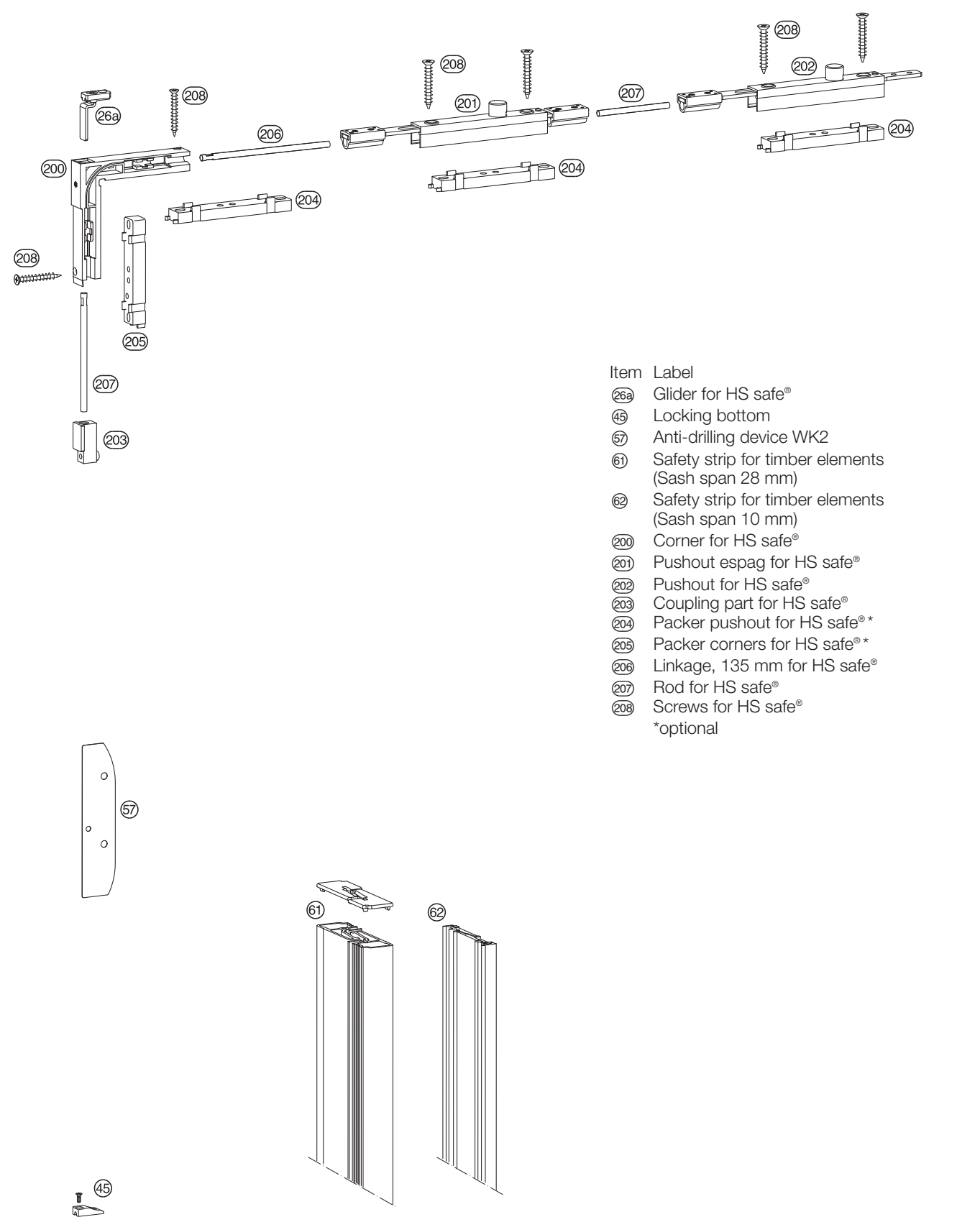
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Accessories for ThermoTop® - threshold, barrier-free



Item name	Item code				
Running rail 24, Height 5 mm (15a)	L	EV1			
	3000	189919			
	3500	189925			
	4000	190357			
	4500	186949			
	5500	186952			
Running rail 27, Height 5 mm, screw-on (15c)	6500	196955			
	L	EV1	C33	C34	
	3000	189958			
	3500	189961			
	4500	189718			
	5500	189721			
Running rail 31, Height 5,5 mm (15f) for profile systems Aluplast, Profine PremiDoor	6500	189724	189727	189730	
	L	EV1			
	3000	212542			
	3500	212545			
	4000	212548			
	4500	212551			
Packer for bogie HS 300 for use with running rail 24/27 (5 mm, barrier-free design), Required quantity: 1 for each bogie (37)	5500	212554			
	6500	212557			
	Timber	186684			
	ALUPLAST 70	186681			
	DECEUNINCK	186684			
	GEALAN 8000	186684			
Sash buffer LS 24/27 for use with running rail 24/27 (no ill.)	PROFINE PremiDoor	186681			
	SALAMANDER	186684			
			black	white	
			186657	186660	

HS safe® safety fitting





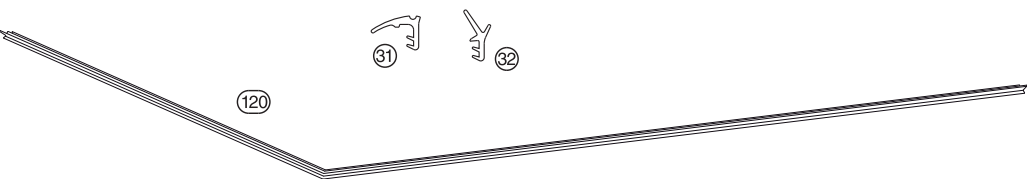
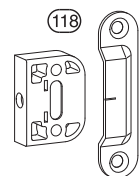
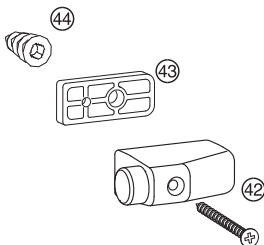
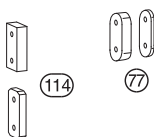
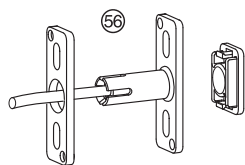
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HS safe® safety fitting

Item name	Item code
Basic carton HS safe® 26a 200 201 202 203 206	228487
Rod 8 mm 207	108044
Anti-drilling device 57	193573
Locking bottom 49	186934
Profile-specific accessories can be found in the profile-specific details.	

Item name	L	Item code
Safety strip set, aluminium, for sash distance 10 mm 62	2500	202713
Safety strip set, aluminium, for sash distance 28 mm 61	2700	198111
Safety strip set, aluminium, for sash distance 28 mm 61	3300	235438
Safety strip set, aluminium, thermally separated, for sash distance 28 mm (no ill.)	3000	235414

Other accessories



- | Item | Label |
|------|------------------------------------|
| 31 | Seal 1, top |
| 32 | Seal 2, bottom/vertical |
| 42 | Sash buffer |
| 43 | Packer for sash buffer |
| 44 | Dowel |
| 56 | Locked state monitoring (complete) |
| 59 | Cap for espag |
| 77 | Packer for locking bolt |
| 114 | Screw plate for locking bolt |
| 118 | Middle locking |
| 120 | Seal, quarter frame |



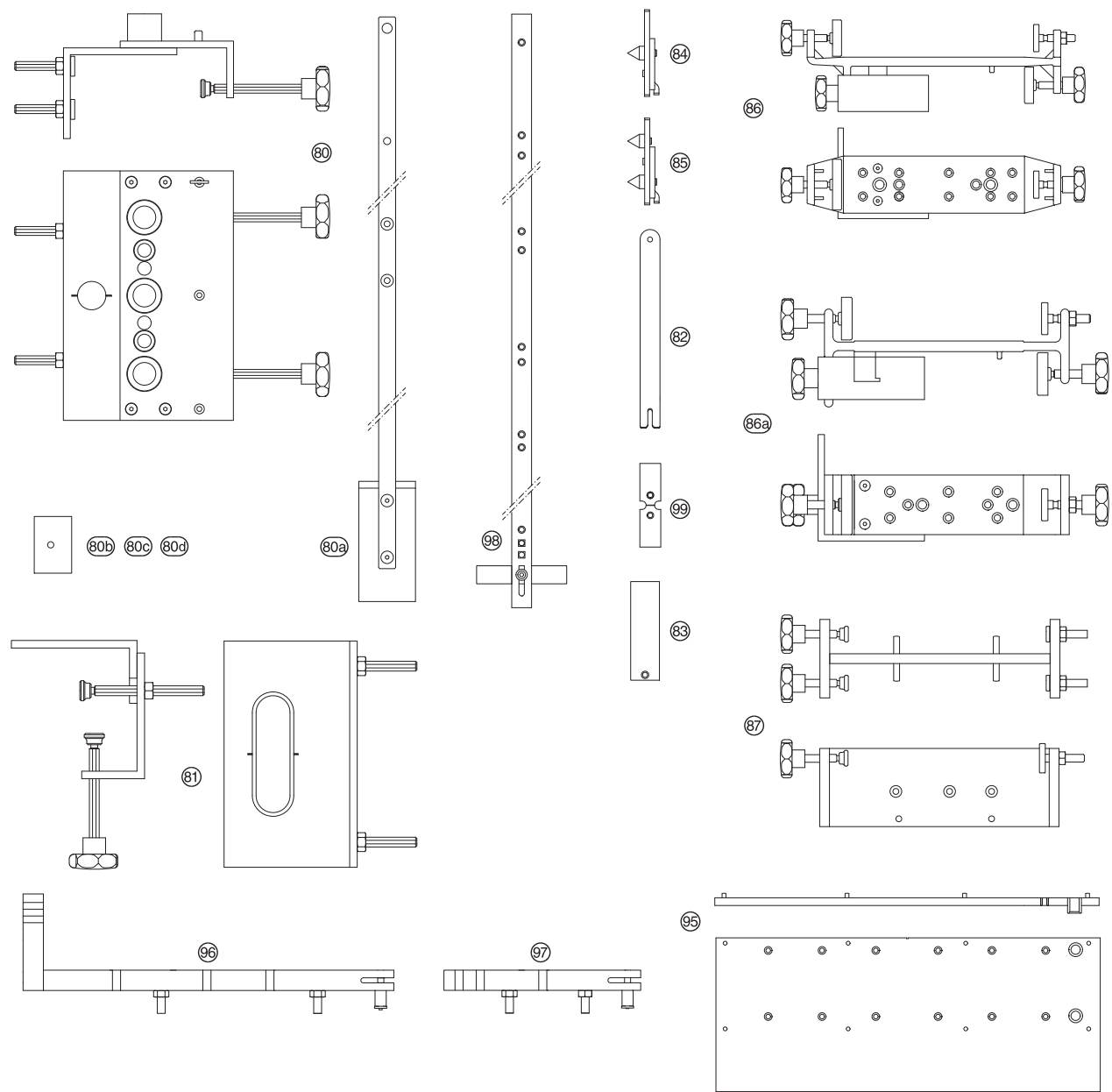
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Other accessories

Item name	Item code	
Packer for locking bolt 0.5 mm 77	206074	
Screw plate for locking bolt, scheme C 114	in profile-specific accessories	
Packer for locking bolt, 3 mm 77	189541	
Accessories, middle locking, sash distance 28 mm 118	196910	
Anti-lifting device for burglar protection according to WK 2 (no ill.)	189661	
Locked state monitoring, frame sensor with 6 m connecting wire and magnet for espag 56 56a 56b 56c	black 225682	white 225685
Accessories, sash buffer 42	187477	187480
Accessories for sash buffer incl. packer and dowels 42 43 44	193336	193333
	L	black
Seal 1, top 31	192 m	186141
	3250 mm	187381
	6500 mm	187384
	9750 mm	234197
Seal 2, bottom/vertical 32	210 m	186144
	2750 mm	198114
	17300 mm	187387
	9750 mm	234197
Seal 4, bottom/vertical 32a	50 m	184605
	17300 mm	187603
Seal, quarter frame 120	233449	



Mounting tools



- Item

Label
- 80

Jig for handle
- 80a

Stop for jig for handle
- 80b

Jig for packers
- 80c

Jig for packers
- 80d

Jig for packers
- 81

Milling jig for handle shell
- 82

Screw wrench for locking bolt, timber
- 83

Jig for locking bottom
- 84

Center punch for locking bolt, timber
- 85

Center punch for locking bolt, PVC
- 86

Jig for threshold– attached, timber up to 78 mm sash timber thickness
- 86a

Jig for threshold– attached, timber from 79 mm sash timber thickness
- 86

Jig for threshold – attached, Salamander (no ill.)
- 86a

Jig for threshold – attached, Veka Topline/Softline (no ill.)
- 87

Jig for threshold ThermoTop® – attached, Profine PremiDoor (no ill.)
- 87

Jig for threshold ThermoTop® – attached, Aluplast (no ill.)
- 87

Jig for threshold – screwed in between
- 87

Jig for threshold – screwed in between, Rehau (no ill.)
- 95

Jig for threshold connector
- 96

Jig for bogie, handle side
- 97

Jig for bogie
- 98

Jig for screw connection for bogie
- 99

Jig for locking bolt Alu-HS®



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Mounting tools

Item name	Item code	
Jig for handle with stop ⑥0 ⑥0a	186905	
Jig for packer 7.5 ⑥0b	191923	
Jig for packer 8 ⑥0c	197078	
Jig for packer 10 ⑥0d	197081	
Milling jig for handle shell ⑥1	187966	
Screw wrench for locking bolt, timber ⑥2	186925	
Screw wrench for locking bolt for use in battery-powered drill, timber (no ill.)	233476	
Jig for locking bottom ⑥3	187972	
Jig for locking bottom for trapezoidal running rail (no ill.)	196562	
Center punch for locking bolt, timber ⑥4	186922	
Center punch for locking bolt, PVC ⑥5	186919	
Jig for screw connection for espag HS 300 ⑥6	197548	
Jig for screw connection for espag HS 300 SAPA (no ill.)	197536	
Jig for bogie, handle side HS 300 ⑥6	195050	
Jig for bogie HS 300 ⑥7	195053	
Jig for bogie, handle side HS 400 (no ill.)	195044	
Jig for bogie, HS 400 (no ill.)	195047	
Jig for bogie, handle side HS 300, SAPA only C125 (no ill.)	197521	
Jig for bogie HS 300, SAPA only C125 (no ill.)	197524	
Jigs for threshold ThermoTop®	attached, timber ⑥6 (up to 78 mm sash timber thickness)	223644
	attached, timber ⑥6a (from 79 mm sash timber thickness)	235063
	attached, Aluplast (no ill.)	230665
	attached, Gealan (no ill.)	223647
	attached, Profine PremiDoor (no ill.)	230659
	screwed in between, Rehau Geneo (no ill.)	229300
	attached, Salamander (no ill.)	233881
	screwed in between ⑥7	229363
Jig for threshold connector ⑥5		235312
Jigs for locking bolts Alu-HS 300 ⑥9 (Symbolic image)	Akootherm	207322
	Alumil	196718
	SAPA ES 60	193564
	Heroal	189748
	Reynaers TLS 110	189988
	Schüco ASS 70	196205
	Schüco ASS 50	189745
	Extrugal	190819
	Cortizo	190285
	Kawneer Alcoa only RT135	190384
	Reynaers CP 155	189751
	Wicona Wicslide only 23	189742
	Wicona Benelux and 26	189754
	Metra	189739

Additional mounting tools on request



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Notes

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Notes

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