

Catalogue

03/2003

HAUTAU ATRIUM Alu-HS®

for aluminium systems



HAUTAU

HAUTAU Catalogue

**Lift and Slide Fittings
HAUTAU ATRIUM Alu-HS®
03/2009**

Update 09/2016

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The Benefits

Perfect for large elements

The lift-slide fitting HAUTAU ATRIUM Alu-HS® is capable of lifting and sliding sash weights up to both 300 kg (Alu-HS 300) and 200 kg (Alu-HS 200). A special model with tandem bogies allows up to 400 kg (base Alu-HS 300). Range of application: from 1200 to 2700 mm (3300 mm) sash heights, sash widths from 720 to 3235 mm (Alu-HS 200 to 2360 mm sash widths). Outer frame width of 6500 mm is possible. The handle position is constant and optimal for use with both windows and doors. This system is suitable for a wide range of well-known aluminium profile systems.

Particularly easy installation

The accessories is always ideally suited to the aluminium profile systems and is designed for a quick and easy installation. Just 2 cuts allows the system to be adapted to required sash height and sash width.

Excellent running characteristics

HAUTAU is the only manufacturer equipping the highly corrosion protected bogies with cleaning brushes. This is effecting a self-cleaning process of the running track at each operation. The rollers are protected from dirt and long-term damage. While opening and closing operation the lift-and-slide fitting HAUTAU ATRIUM Alu-HS® is using leverage at espag and bogies ideally/optimally. Weightless gliding for many years guaranteed.

Ventilating and closing with security

Thanks to a well engineered espag mechanism the elegant HAUTAU design handle is acceptable small and discreet. A useful night ventilation is built in the lift-and-slide fitting HAUTAU ATRIUM Alu-HS®. The standard espag is already prepared for profile cylinder use.



Elegant HAUTAU design handle – acceptable small and discreet.





ATRIUM Alu-HS® 300

Technical Data

ATRIUM Alu-HS® 300	
Range of application Scheme A:	
Sash width	720 - 3235 mm
Sash height	1200 - 2700 mm (3300 mm)*
Outer frame width	6500 mm (Scheme A)
*with 600 mm espag extensions	

Sash weight	
Standard	max. 300 kg
With Tandem bogies	max. 400 kg

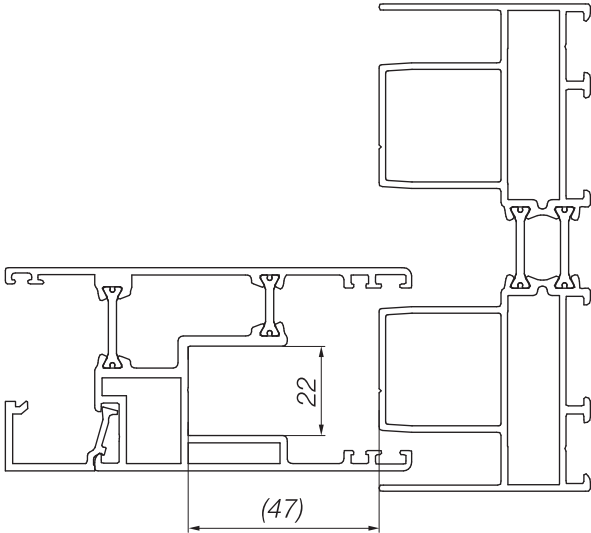
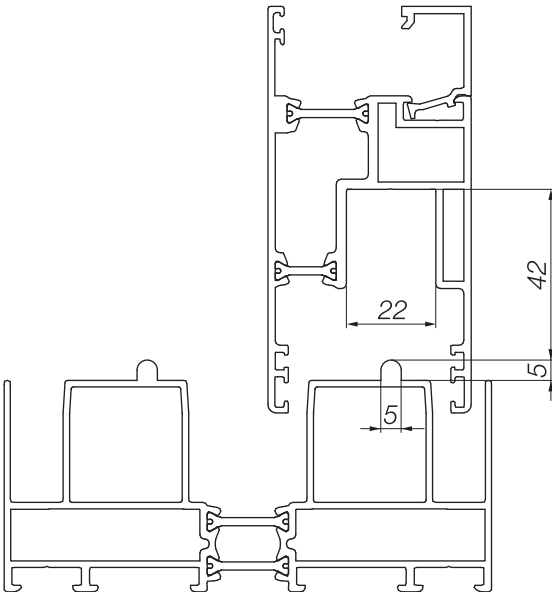
Backset	37,5 mm
----------------	---------

Handle position	
Window (FH 1200 - 1800 mm)	450 mm
Doors (FH 1801 - 2700 mm)	1010 mm

Range of application is depending on used profile systems.
Specifications of profile manufacturers to be observed.



ATRIUM Alu-HS® 300 Bogie handle side





ATRIUM Alu-HS® 200

Technical Data

ATRIUM Alu-HS® 200

Range of application Scheme A:

Sash width	650 - 2360 mm
Sash height	1200 - 2700 mm
Outer frame width	6500 mm (Scheme A)

Sash weight	
Standard	max. 200 kg

Backset	27,5 mm
---------	---------

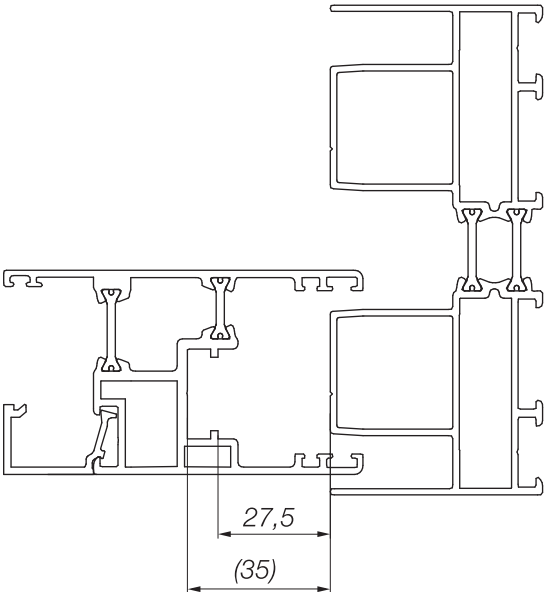
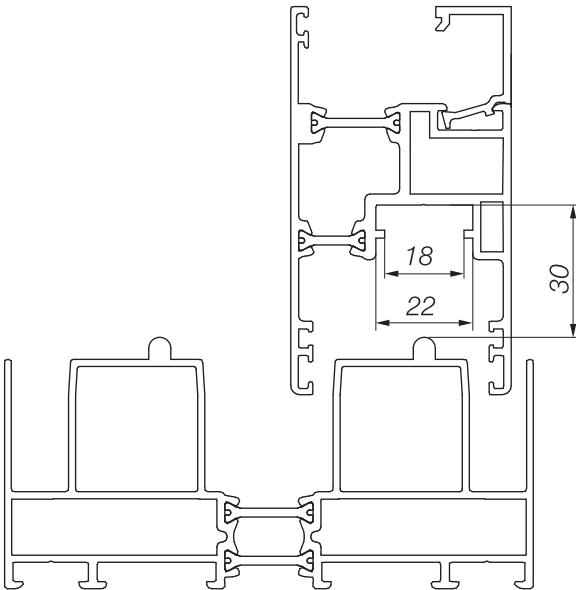
Handle position

Window (FH 1200 - 1800 mm)	450 mm
Doors (FH 1801 - 2700 mm)	1010 mm

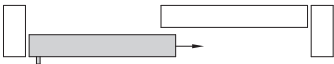
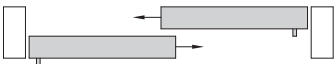
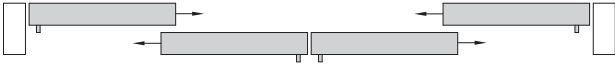
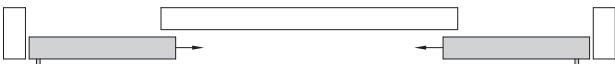
Range of application is depending on used profile systems.
Specifications of profile manufacturers to be observed.



ATRIUM Alu-HS® 200 Bogie handle side



Sash arrangement - ATRIUM Alu-HS®

Scheme A	
Scheme D	
Scheme C	
Scheme F	
Scheme G	 G-2 
Scheme H	
Scheme K	 = 2 x Scheme A

Abbreviations

- Gr. = Size
- L = Length
- FB = Sash width
- FH = Sash height

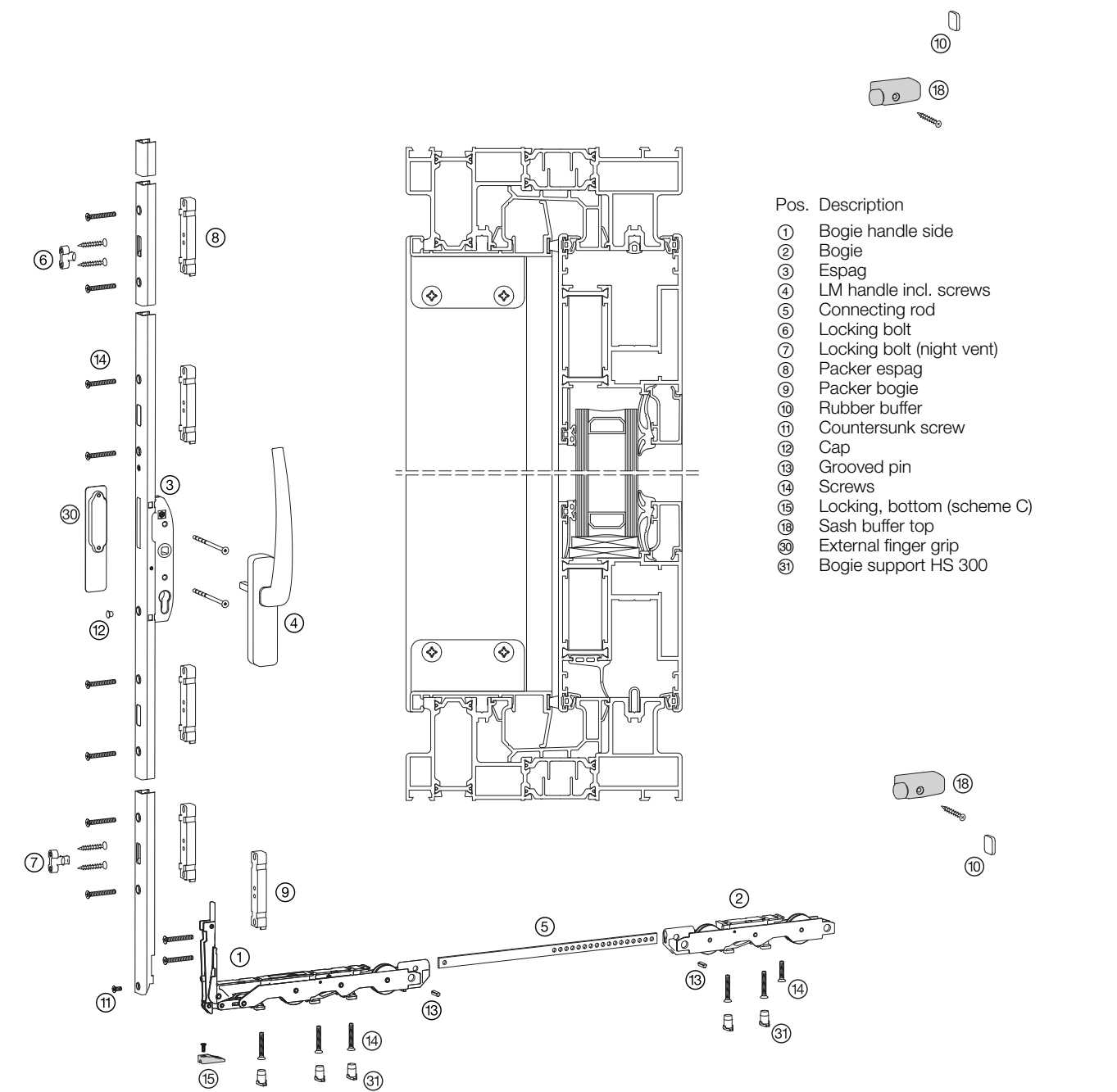
Note: Handle position for size 180 espag = 450 mm



Notes

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

ATRIUM Alu-HS® 300, Akotherm-AT 750 HS



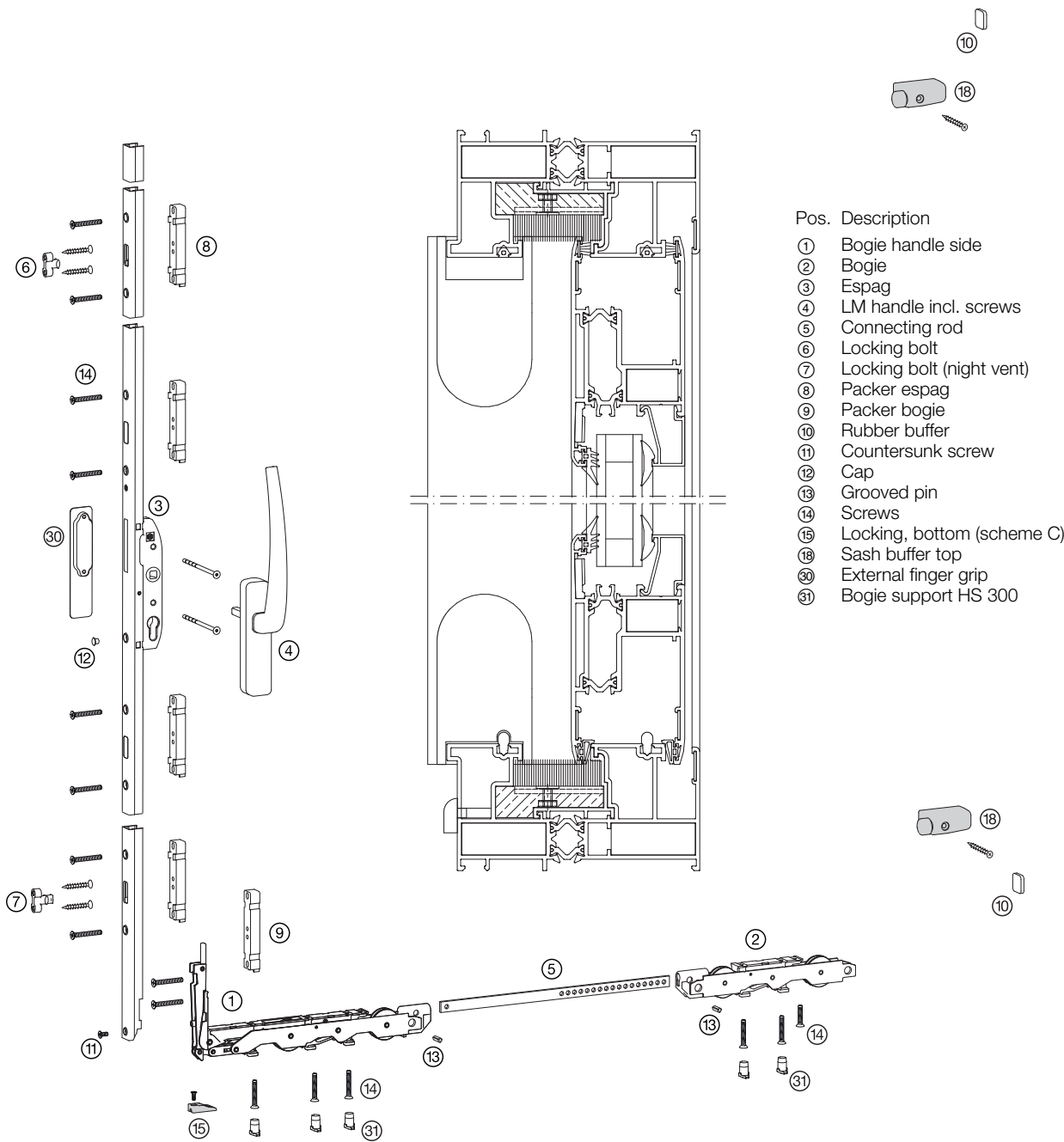
ATRIUM Alu-HS® 300, Akotherm-AT 750 HS

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185170 185173
1	2	2	4	1	3	Espag HS 300 ③	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189368
	2		4		2	Accessories sash buffer top ⑮	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184815
1	2		2		2	Locking bolt (night vent) ⑦	184755
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198105
		1	1			Screws scheme C (no ill.)	212968



ATRIUM Alu-HS® 300, Alas 73





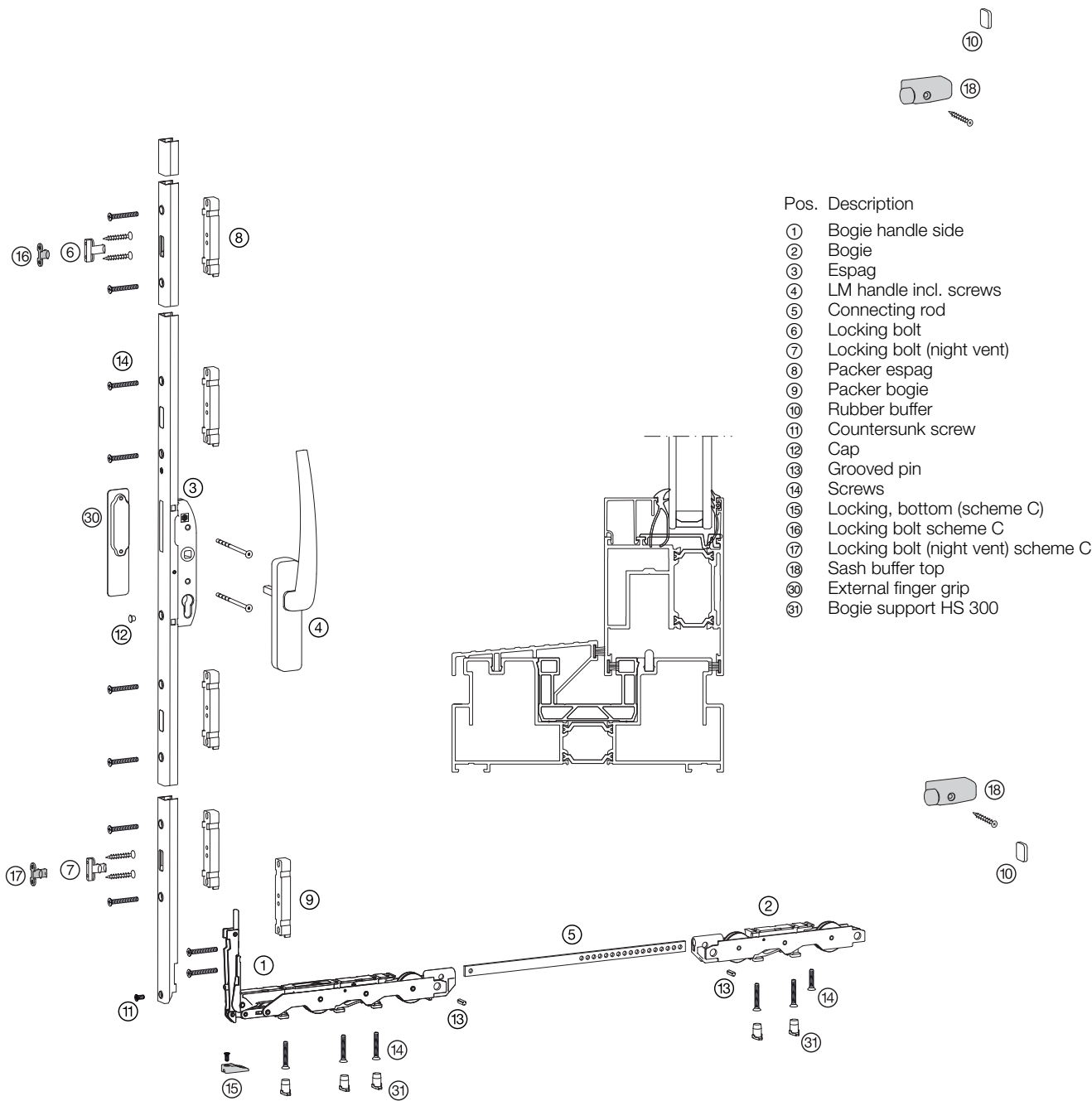
ATRIUM Alu-HS® 300, Alas 73

Items required for scheme

A	D	C	F	G	H	Article description			Item Code		
1	2	2	4	1	3	Carton bogies HS 300 ① ②			184575		
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳			188636		
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔			EV1 185176	white 185170	brown 185173
1	2	2	4	1	3	Espag HS 300 ③	Size		FH	EV1	C34
							180	1200-1800	184307	184310	
							210	1801-2100	184313	184316	
							240	2101-2400	184319	184322	
270	2401-2700	184325	184328								
1	2	2	4	1	3	Connecting rod ⑤	Size		FB	HAUTAU-S-Plus	
							150	720-1500	184578		
							200	1501-2000	184581		
							250	2001-2500	184584		
323	2501-3235	184587									
1	2	2	4	1	3	Packers ⑧ ⑨			189368		
1	2	2	2	1	2	Accessories sash buffer top ⑯			white 187480	black 187477	
1	2		2		2	Locking bolt ⑥			184815		
1	2		2		2	Locking bolt (night vent) ⑦			184755		
		1	1	1	1	Locking, bottom (scheme C) ⑮			186934		
1	2	2	4	1	3	Screws ⑭			198105		



ATRIUM Alu-HS® 300, Aliplast Ultraglide



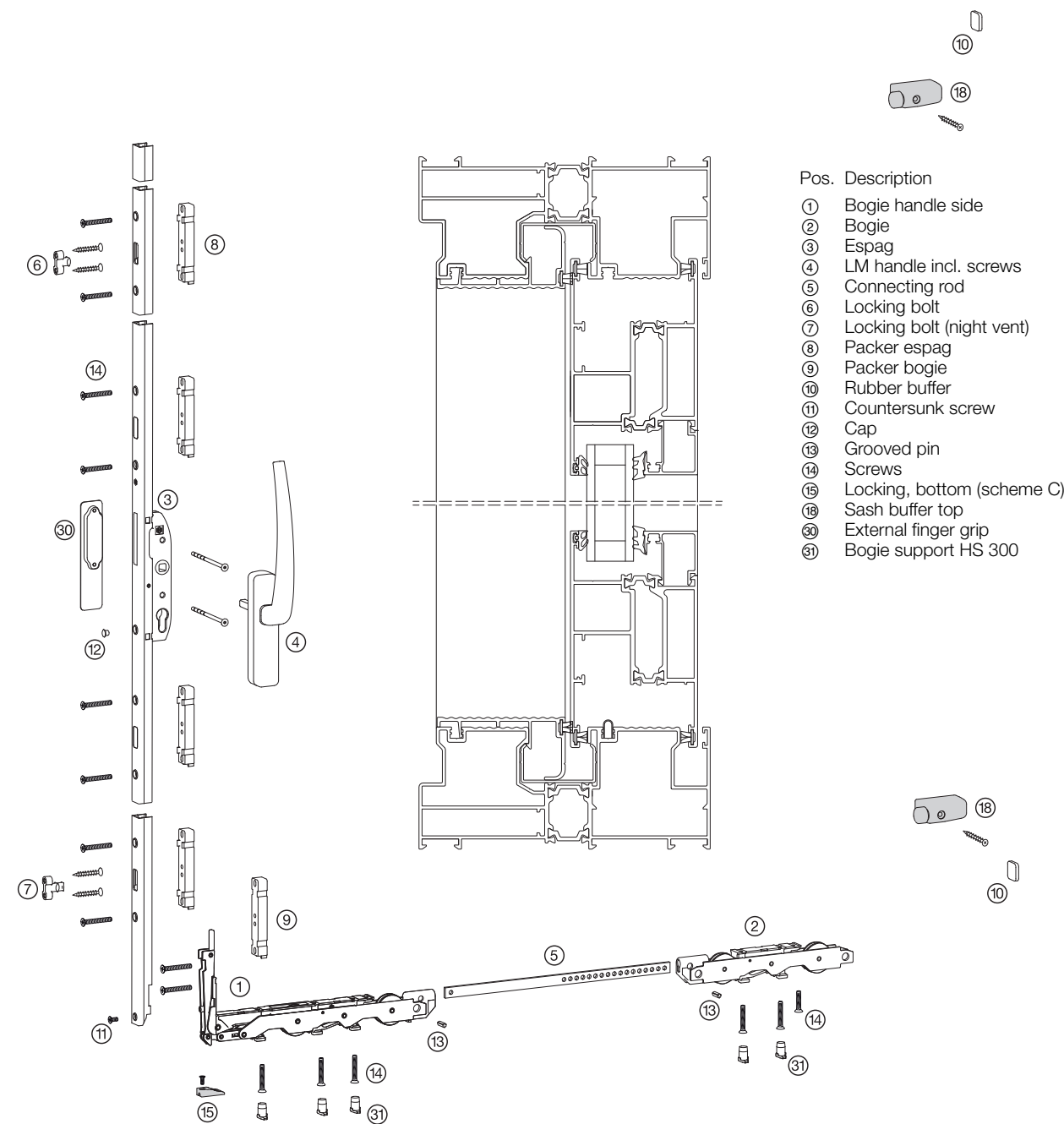


ATRIUM Alu-HS® 300, Aliplast Ultraglide

Items required for scheme

A	D	C	F	G	H	Article description				Item Code		
1	2	2	4	1	3	Carton bogies HS 300 ① ②				184575		
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳				188636		
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔				EV1 185176	white 185170	brown 185173
1	2	2	4	1	3	Espag HS 300 ③	Size	FH	EV1	C34		
							180	1200-1800	184307	184310		
							210	1801-2100	184313	184316		
							240	2101-2400	184319	184322		
							270	2401-2700	184325	184328		
1	2	2	4	1	3	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus			
							150	720-1500	184578			
							200	1501-2000	184581			
							250	2001-2500	184584			
							323	2501-3235	184587			
1	2	2	4	1	3	Packers ⑧ ⑨				189553		
	2		4		2	Accessories sash buffer top ⑮				white 187480	black 187477	
1	2		2		2	Locking bolt ⑥				189781		
1	2		2		2	Locking bolt (night vent) ⑦				189778		
		1	1			Locking bolt, scheme C ⑯				184773		
		1	1			Locking bolt (night vent), scheme C ⑰				184713		
		1	1	1	1	Locking, bottom (scheme C) ⑮				186934		
1	2	2	4	1	3	Screws ⑭				198105		

ATRIUM Alu-HS® 300, Alumil M 300





ATRIUM Alu-HS® 300, Alumil M 300

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	188633
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184791
1	2		2		2	Locking bolt (night vent) ⑦	184731
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198105

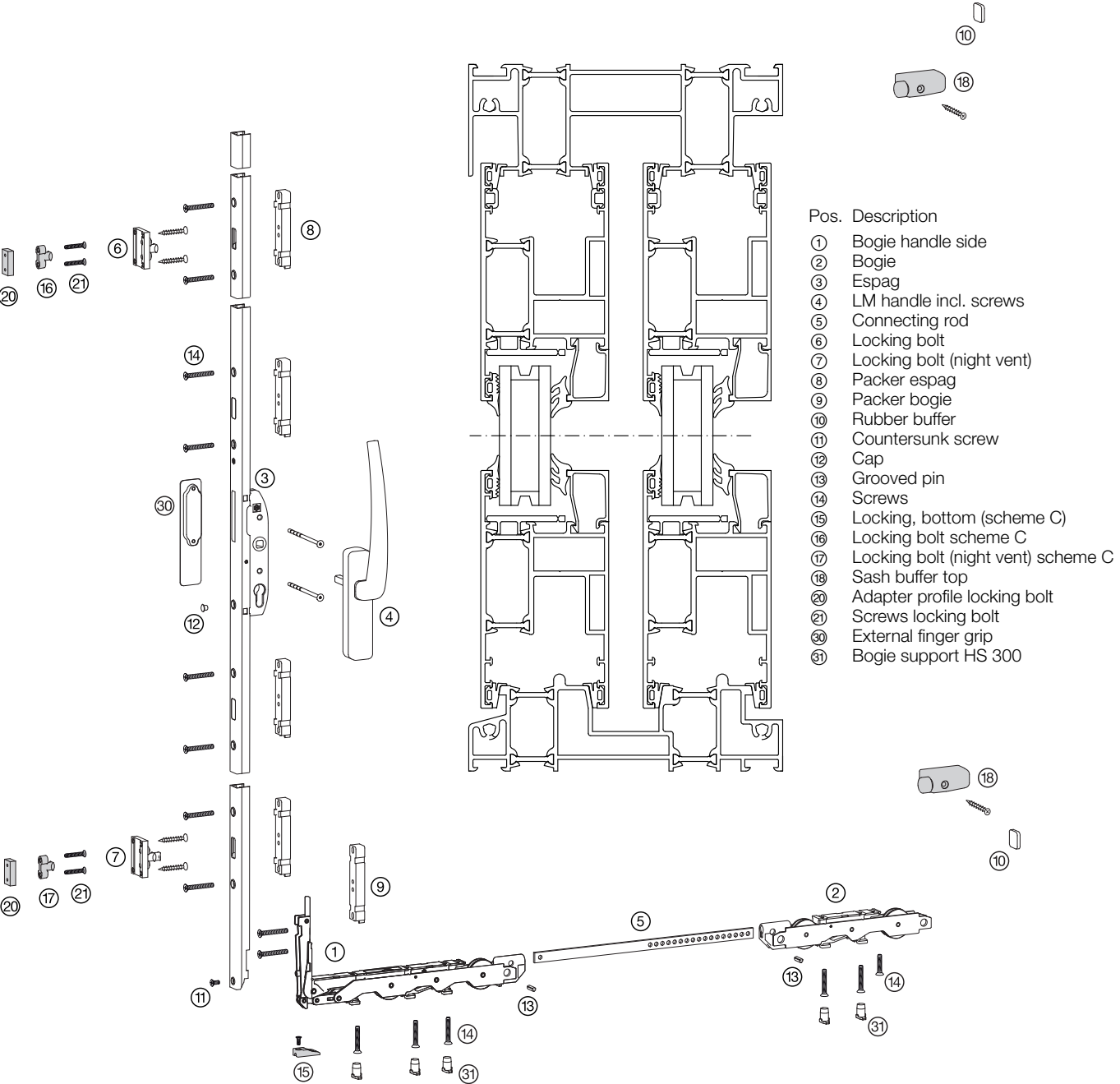


ATRIUM Alu-HS® 300, Kawneer Alcoa RT 100

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	195698
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184815
1	2		2		2	Locking bolt (night vent) ⑦	184755
		1	1			Locking bolt, scheme C ⑮	190327
		1	1			Locking bolt (night vent), scheme C ⑰	190321
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198057

ATRIUM Alu-HS® 300, Kawneer Alcoa RT 135

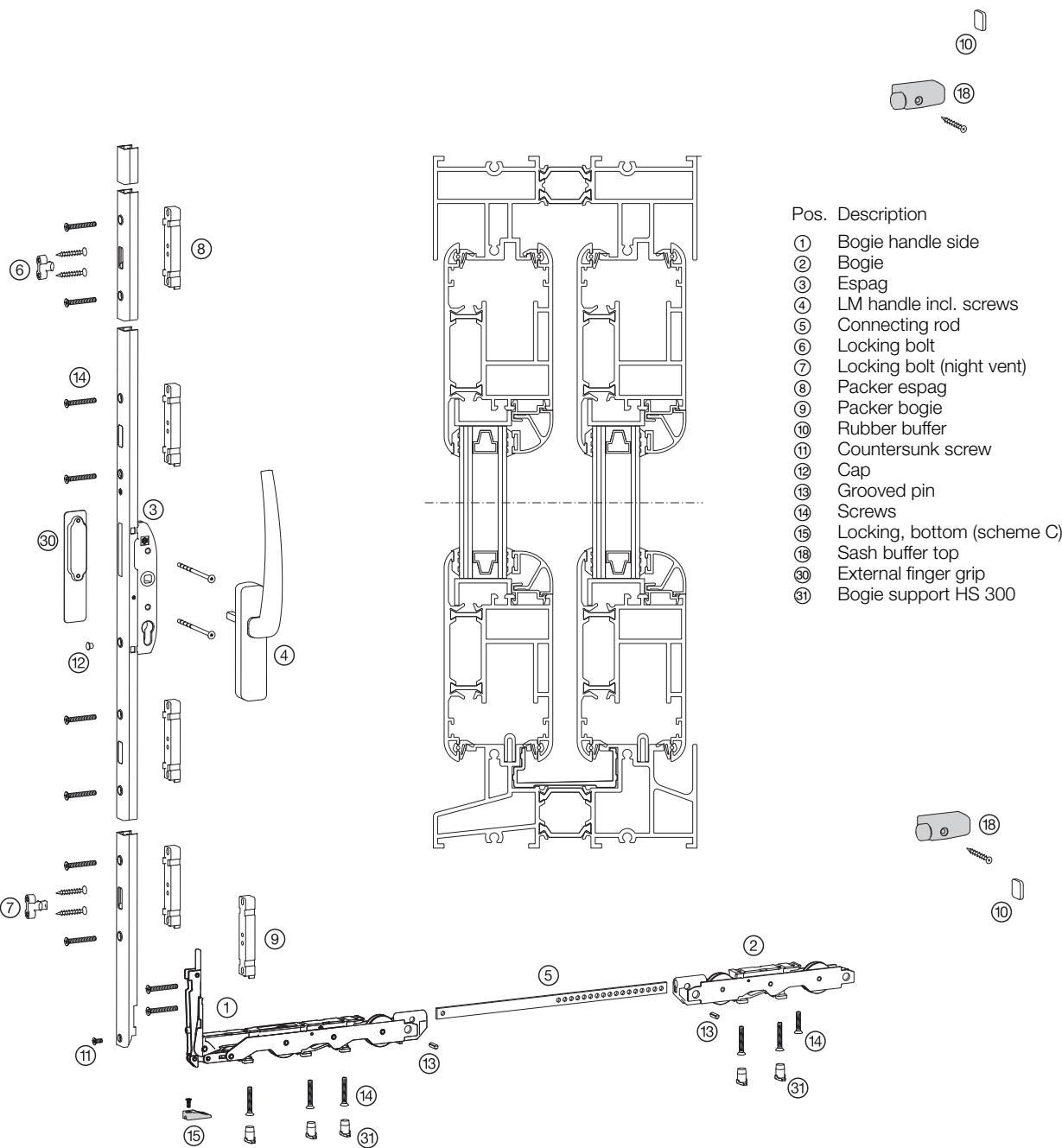


ATRIUM Alu-HS® 300, Kawneer Alcoa RT 135

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	190309
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	190683
1	2		2		2	Locking bolt (night vent) ⑦	190686
		1	1			Locking bolt, scheme C ⑯ ㉒ ㉔	190315
		1	1			Locking bolt (night vent), scheme C ⑰ ㉒ ㉔	190312
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	197144

ATRIUM Alu-HS® 300, CORTIZO

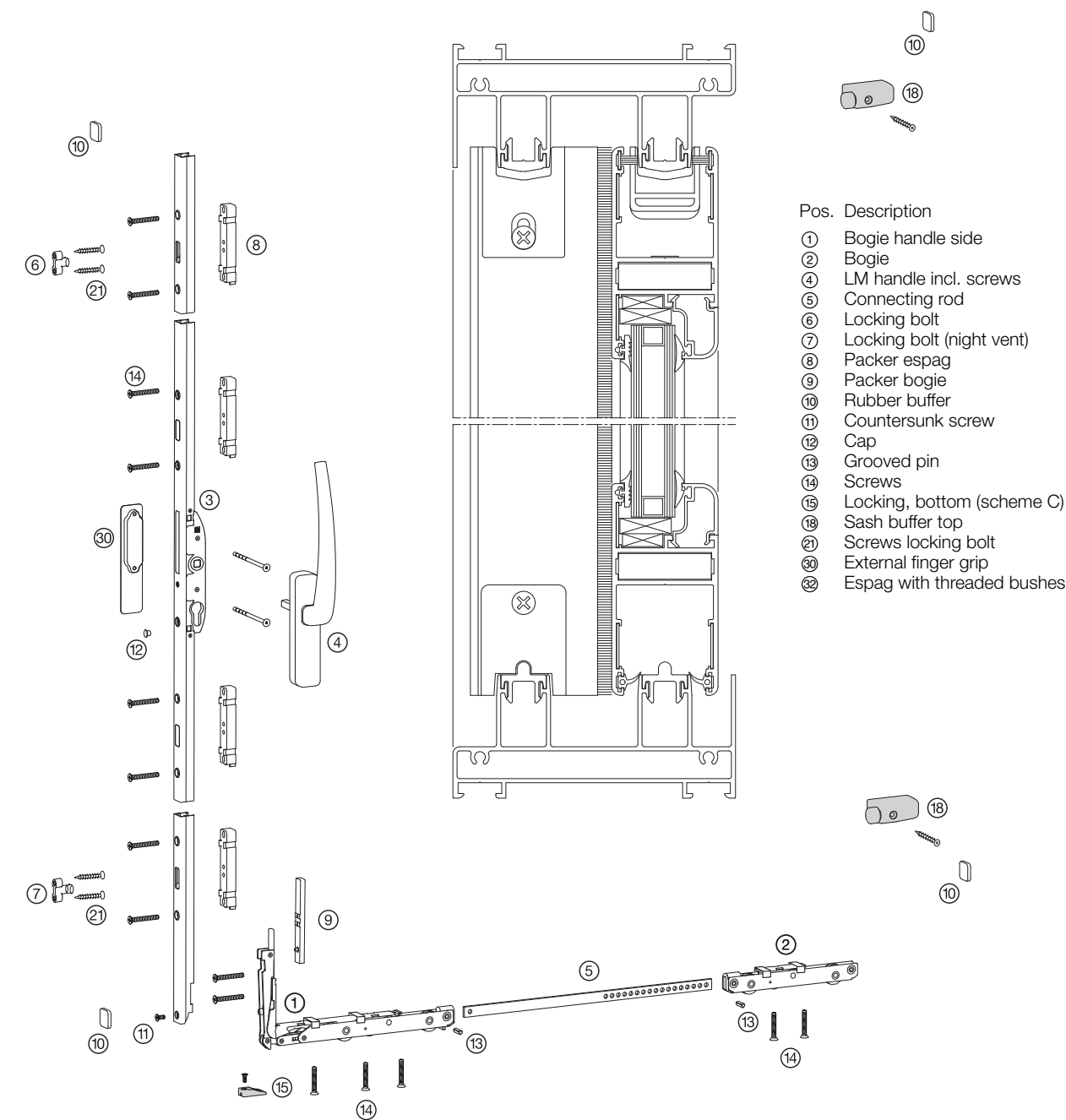


ATRIUM Alu-HS® 300, CORTIZO

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189796
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	190381
1	2		2		2	Locking bolt (night vent) ⑦	190375
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198057

ATRIUM Alu-HS® 200, Domal Slide 110





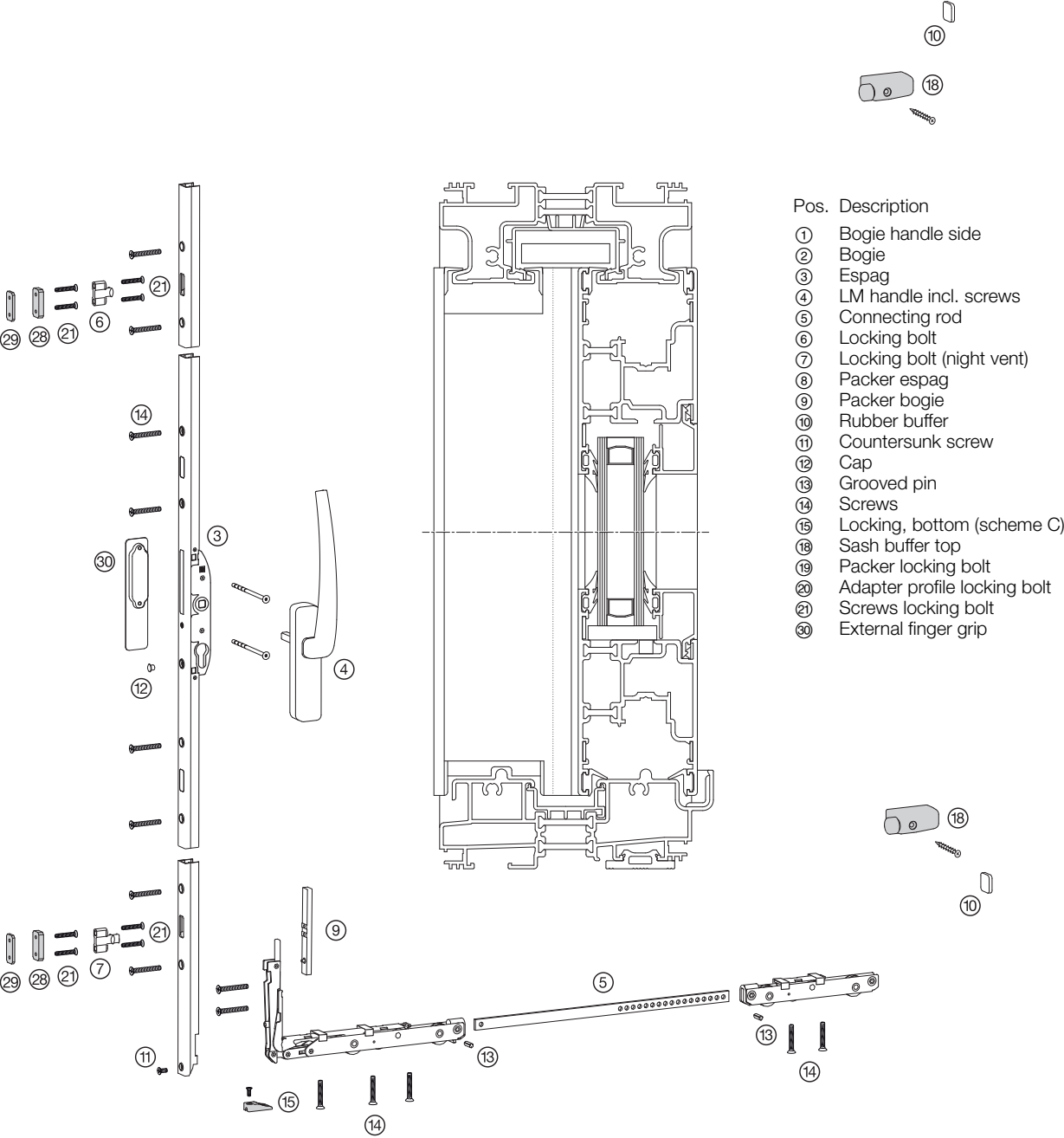
ATRIUM Alu-HS® 200, Domal Slide 110

Items required for scheme

A	C	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③⑨			EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 with threaded bushes ③②	Size	FH	EV1	C34	
			180	1200-1800	197387	197033	
			210	1801-2100	197024	197036	
			240	2101-2400	197027	197039	
			270	2401-2700	197030	197042	
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
1	2	Packers ⑧ ⑨			198027		
		Accessories sash buffer top ⑱			white 187480	black 187477	
1		Locking bolt ⑥			200029		
1		Locking bolt (night vent)⑦			200032		
	1	Locking bolt, scheme C (no ill.)			200035		
	1	Locking bolt (night vent), scheme C (no ill.)			200038		
	1	Locking, bottom (scheme C) ⑮			186934		
1	2	Screws ⑭			198285		

ATRIUM Alu-HS® 200, HEROAL 070

Sash 6701





ATRIUM Alu-HS® 200, HEROAL 070

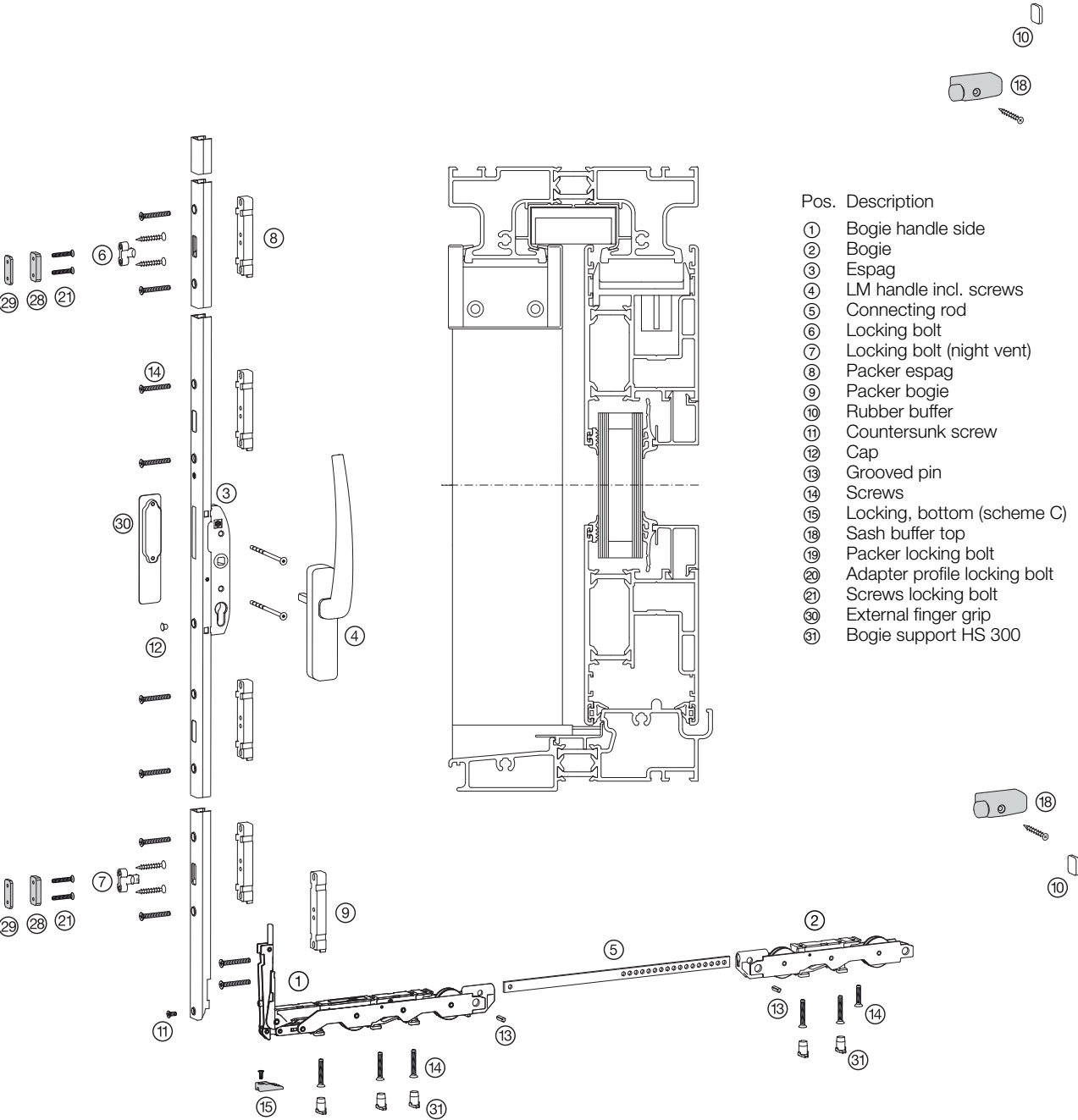
Sash 6701

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 200 ① ②	193720
1	2	2	4	1	3	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬	189490
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③①	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 200 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 195419 195425 195431 195437
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 650-1360 200 1361-1860 250 1861-2360	HAUTAU-S-Plus 184578 184581 184584
1	2	2	4	1	3	Packers ⑨	196442
1	2	2	4	2	2	Accessories sash buffer top ⑮	white black 187480 187477
1	2	1	2		2	Locking bolt ⑥	184773
1	2	1	2		2	Locking bolt (night vent) ⑦	184713
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
		2	2			Packers, scheme C ⑲ ⑳ ㉑	189550
1	2	2	4	1	3	Screws ⑭	198291

ATRIUM Alu-HS® 300, HEROAL 070

Sash 6702





ATRIUM Alu-HS® 300, HEROAL 070

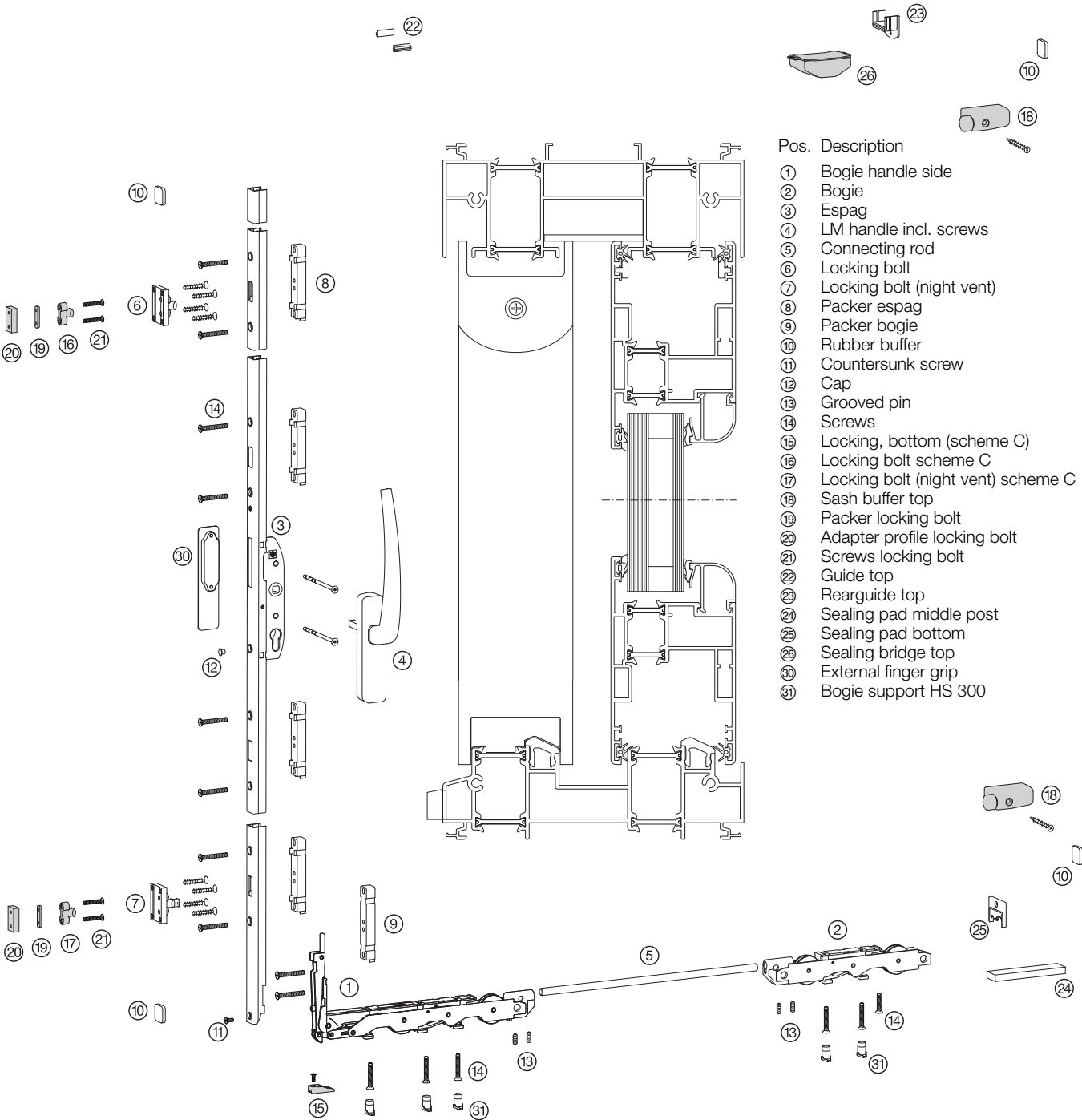
Sash 6702

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ⑤	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189538
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2	1	3		2	Locking bolt ⑥	184773
1	2	1	3		2	Locking bolt (night vent) ⑦	184713
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
		2	2			Packers, scheme C ⑰ ㉓ ㉔	189550
1	2	2	4	1	3	Screws ⑭	198060



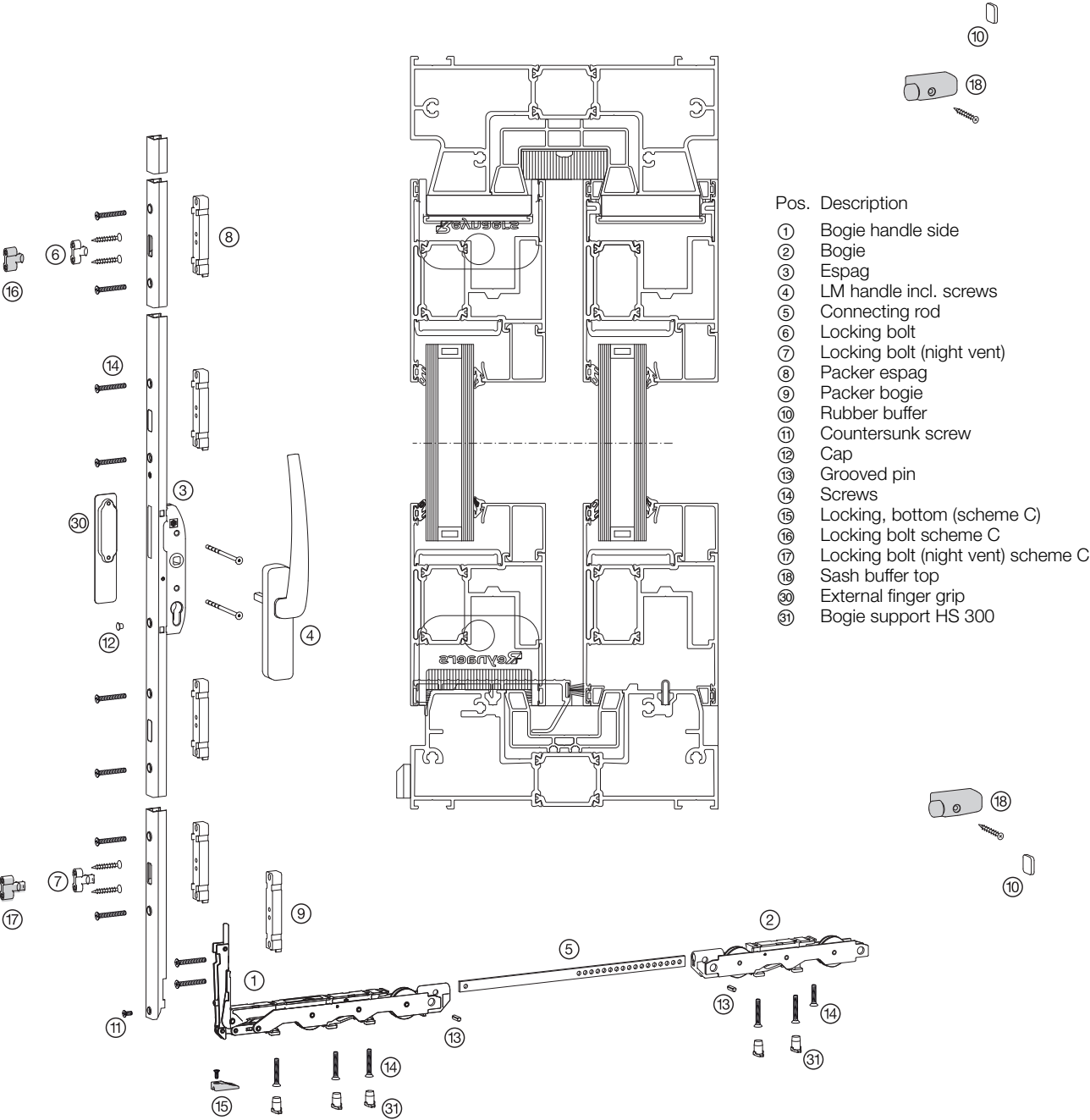
ATRIUM Alu-HS® 300, Metra



ATRIUM Alu-HS® 300, Metra

Items required for scheme													
A	D	C	F	G	H	Article description					Item Code		
1	2	2	4	1	3	Carton bogies HS 300 type 2 ① ②					153526		
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ③①					188636		
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③⑩					EV1 185176	white 185170	brown 185173
1	2	2	4	1	3	Espag HS 300 ③	Size	FH	EV1	C34			
							180	1200-1800	184307	184310			
							210	1801-2100	184313	184316			
							240	2101-2400	184319	184322			
1	2	2	4	1	3	Connecting rod ⑤	270	2401-2700	184325	184328			
							Size	FB	HAUTAU-S-Plus				
							150	720-1500	184578				
							200	1501-2000	184581				
1	2	2	4	1	3		250	2001-2500	184584				
							323	2501-3235	184587				
1	2	2	4	1	3	Packers ⑧ ⑨					189553		
	2		4		2	Accessories sash buffer top ⑩					white 187480	black 187477	
1	2		2		2	Locking bolt Metra 11,5 ⑥					196784		
1	2		2		2	Locking bolt (night vent) Metra 11,5 ⑦					212146		
		1	1			Locking bolt scheme C Metra 26 ⑯ ⑱ ⑳ ㉑					189643		
		1	1			Locking bolt (night vent) scheme C Metra 26 ⑰ ⑱ ㉑ ㉒					189646		
		1	1	1	1	Locking, bottom (scheme C) ⑮					204109		
1	1	2	2	2	2	Sealing bridge top 50 mm ㉔					215112		
1	2	2	4	1	3	Guides ㉒ ㉓ ㉔					196790		
1	1	2	2	2	2	Sealing pad middle post ㉔					198054		
1	2	2				Screws ⑭					197144		

ATRIUM Alu-HS® 300, Reynaers CP 155



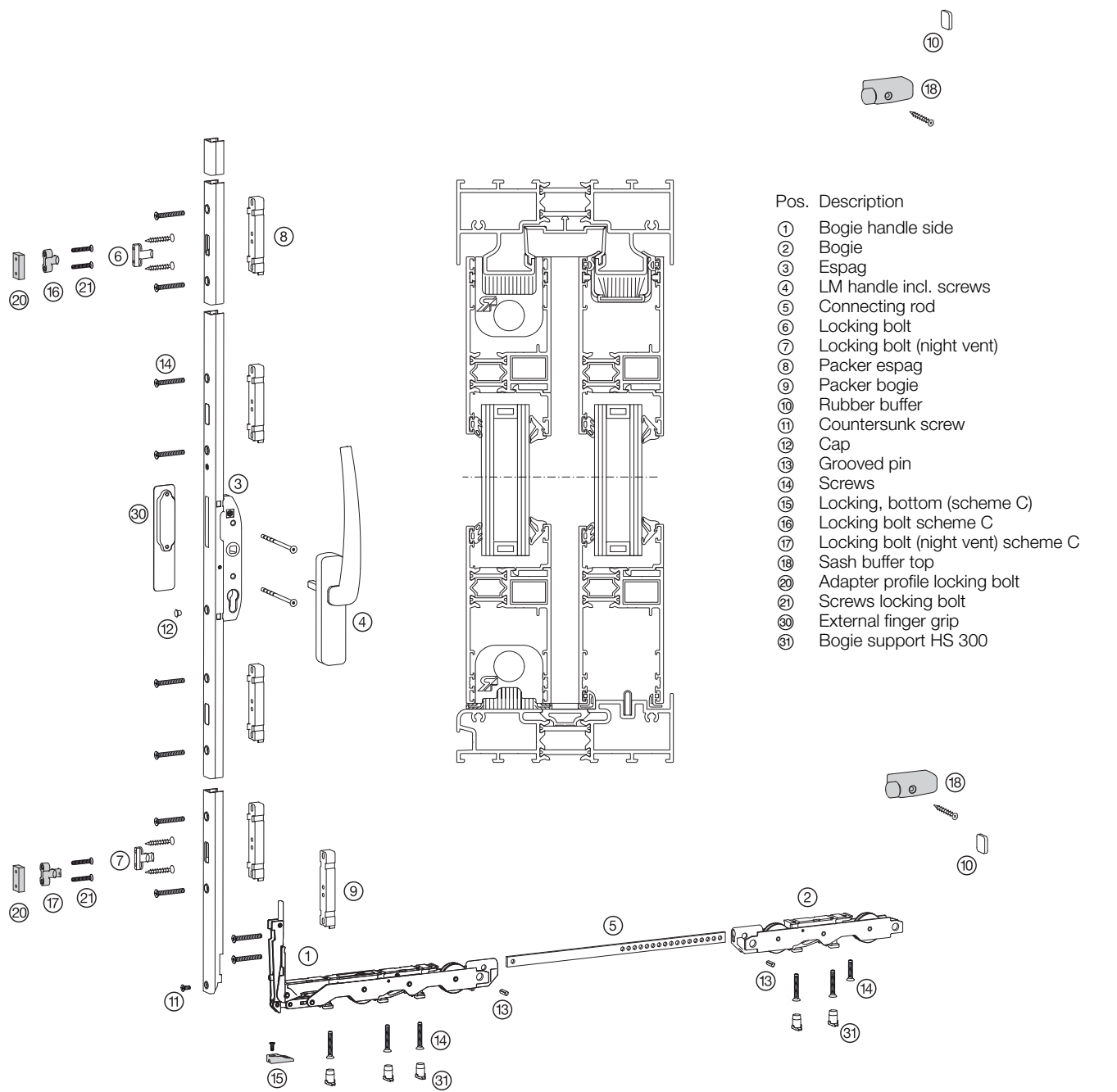


ATRIUM Alu-HS® 300, Reynaers CP 155

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189799
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	189826
1	2		2		2	Locking bolt (night vent) ⑦	189838
		1	1			Locking bolt, scheme C ⑯	189820
		1	1			Locking bolt (night vent), scheme C ⑰	189832
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198060

ATRIUM Alu-HS® 300, Reynaers TLS 110





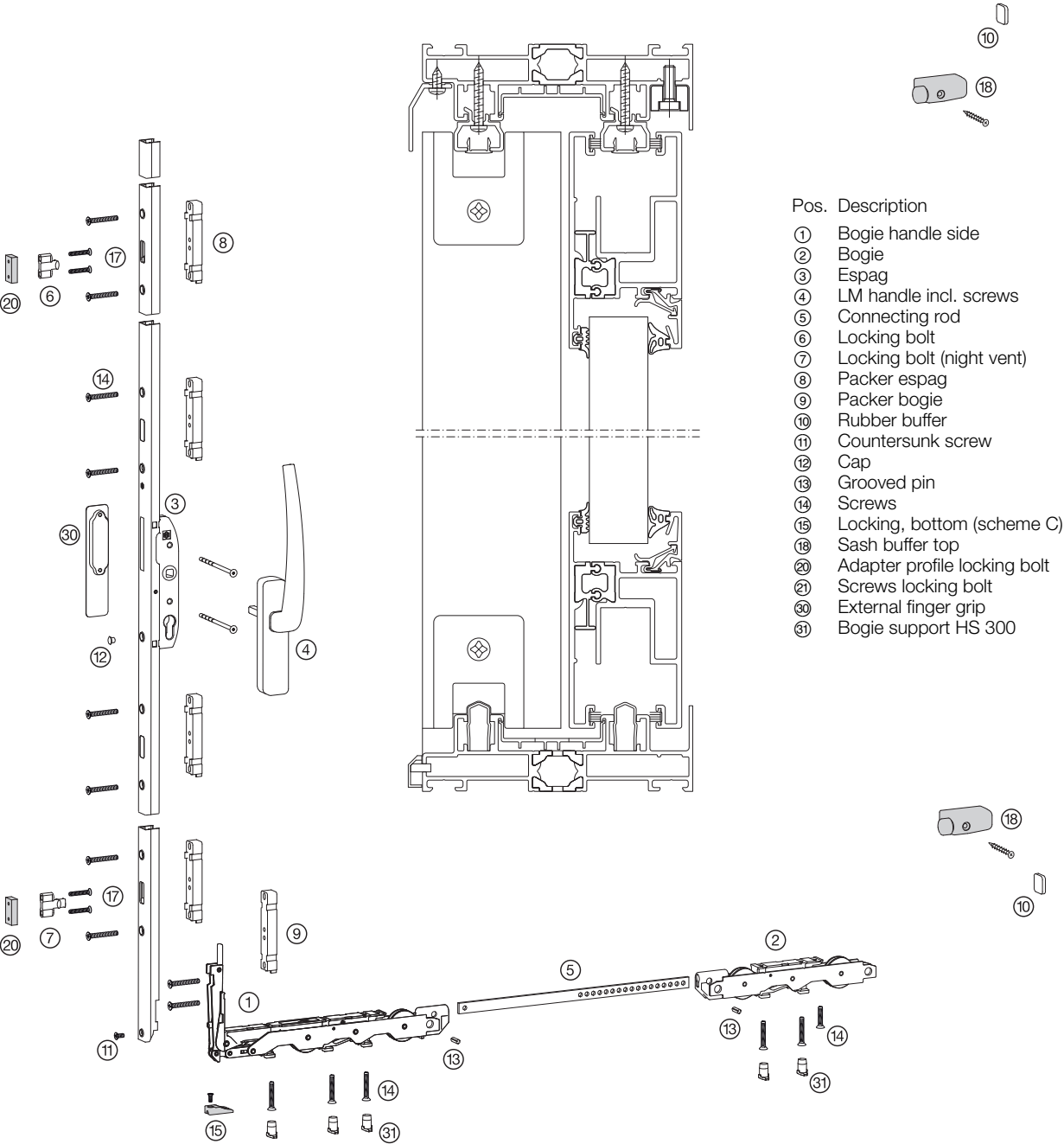
ATRIUM Alu-HS® 300, Reynaers TLS 110

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189796
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184785
1	2		2		2	Locking bolt (night vent) ⑦	184725
		1	1			Locking bolt, scheme C ⑯ ㉔ ㉕	189793
		1	1			Locking bolt (night vent), scheme C ⑰ ㉔ ㉕	189790
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198105

ATRIUM Alu-HS® 300, Schüco ASS 50

Sash 148370





ATRIUM Alu-HS® 300, Schüco ASS 50

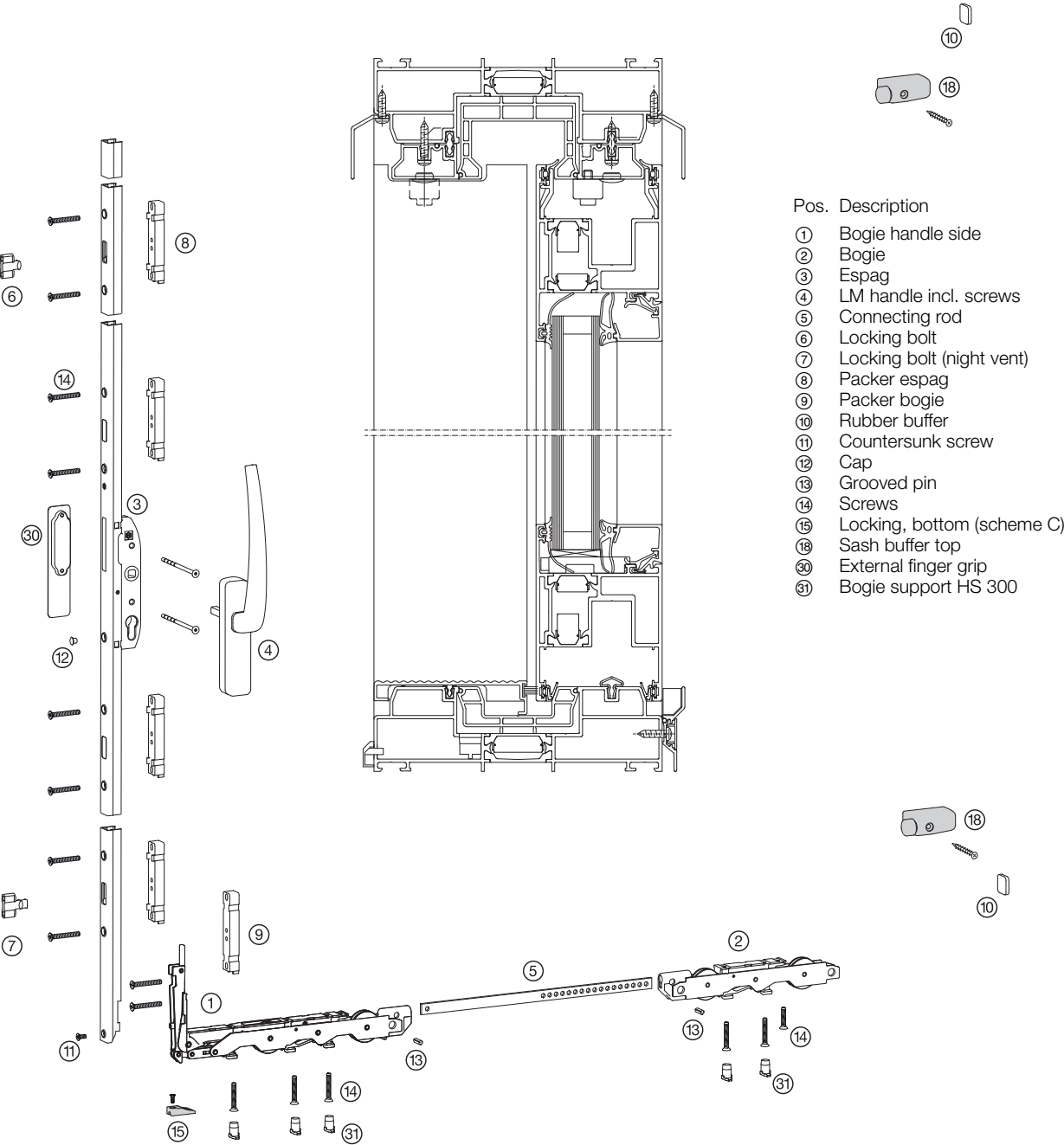
Sash 148370

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 type 2 ① ②	189559
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ⑤	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	195698
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	195170
1	2		2		2	Locking bolt (night vent) ⑦	195212
		1	1			Locking bolt, scheme C ⑥ ㉔ ㉕	189577
		1	1			Locking bolt (night vent), scheme C ⑦ ㉔ ㉕	189574
		1	1			Locking, bottom (scheme C) ⑮	204109
1	2	2	4	1	3	Screws ⑭	198105

ATRIUM Alu-HS® 300, Schüco ASS 70

Sash 148550





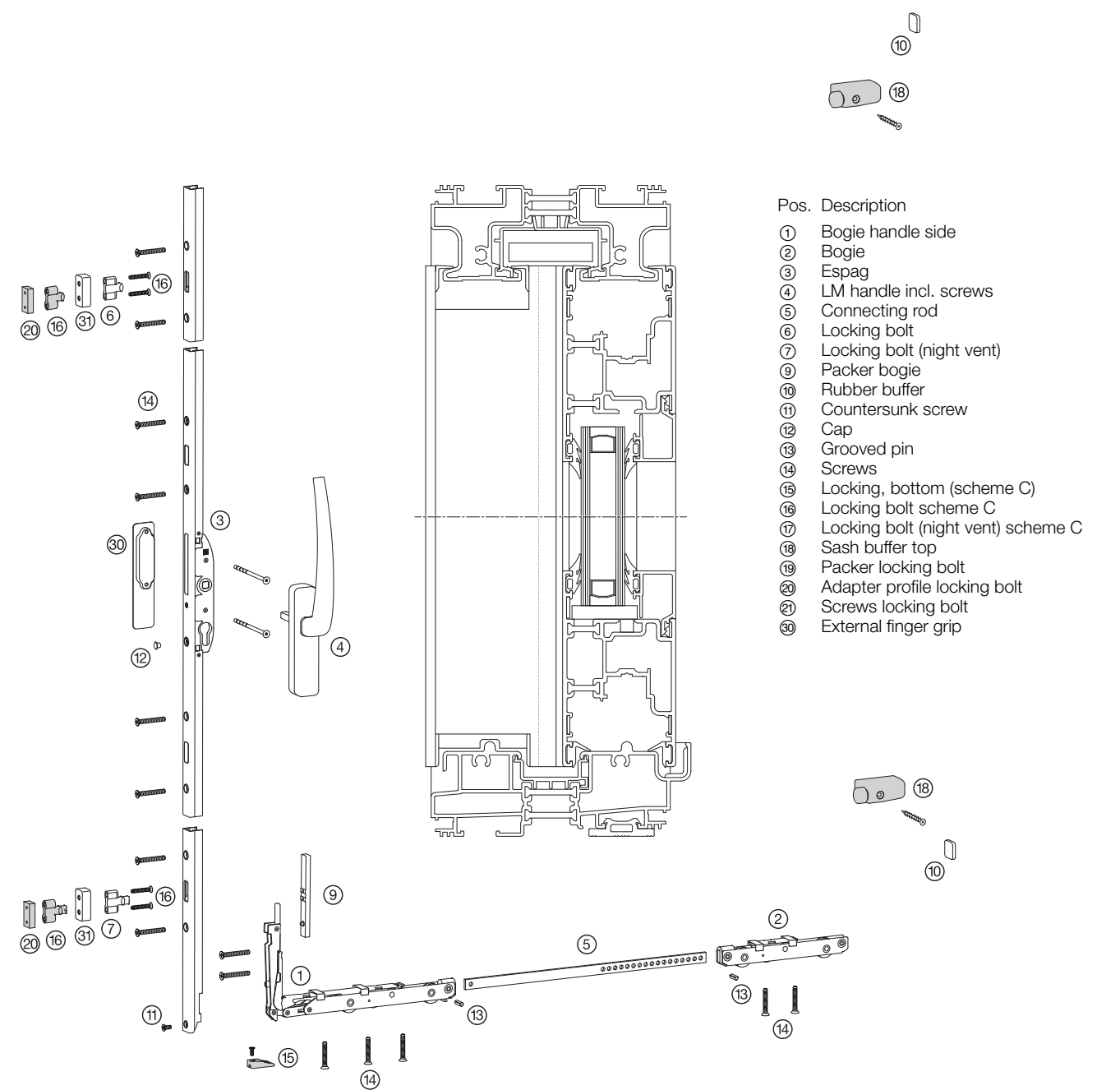
ATRIUM Alu-HS® 300, Schüco ASS 70

Sash 148550

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 type 2 ① ②	189559
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑭	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③①	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ⑤	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189368
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2	1	3		2	Locking bolt ⑥	184815
1	2	1	3		2	Locking bolt (night vent) ⑦	184755
		1	1	1	1	Locking, bottom (scheme C) ⑮	204109
1	2	2	4	1	3	Screws ⑭	198105

ATRIUM Alu-HS® 200, SYKON

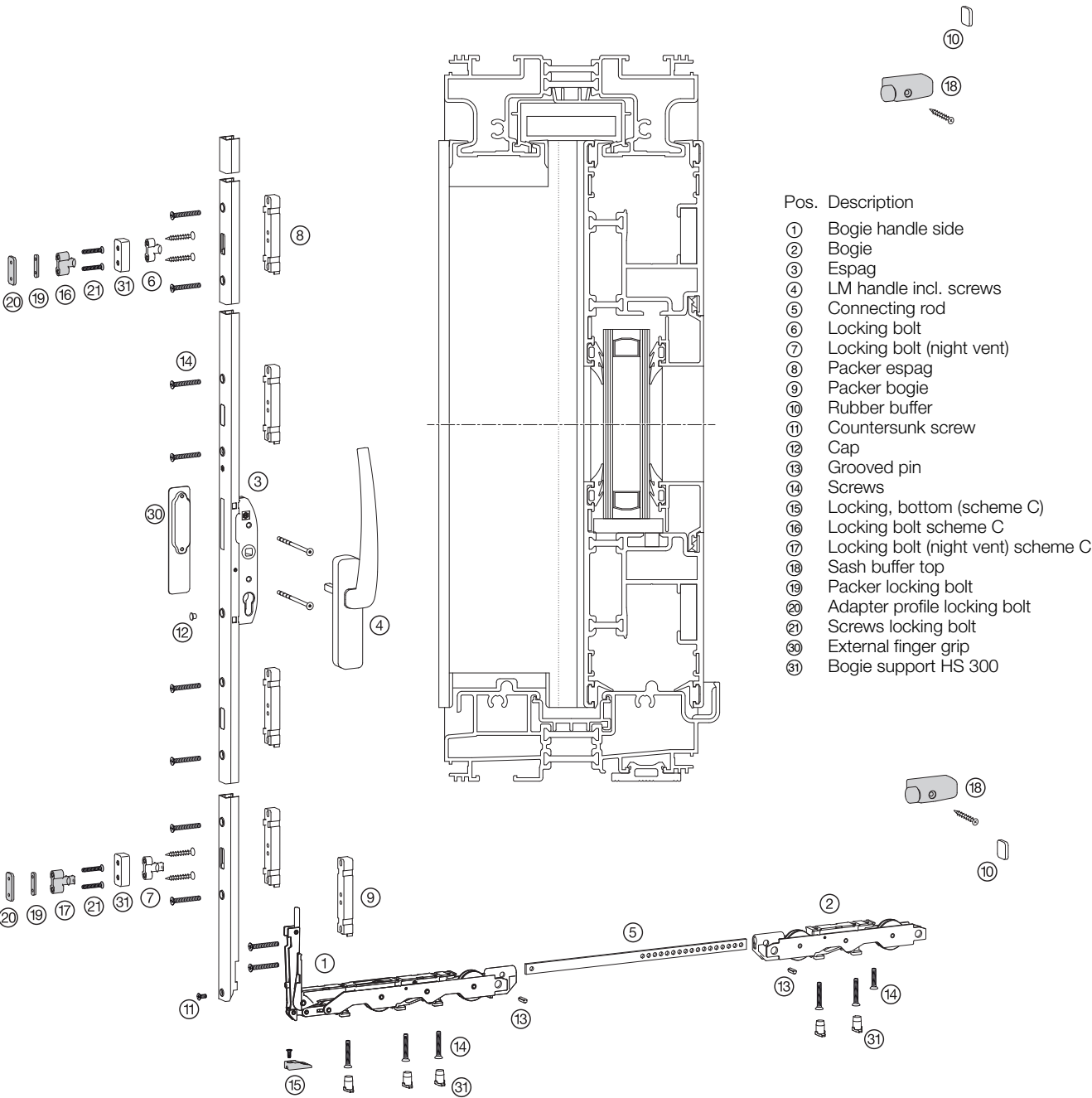


ATRIUM Alu-HS® 200, SYKON

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 200 ① ②	193720
1	2	2	4	1	3	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬	189490
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③⑩	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 200 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 195419 195425 195431 195437
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 650-1360 200 1361-1860 250 1861-2360	HAUTAU-S-Plus 184578 184581 184584
1	2	2	4	1	3	Packer bogie 10 ⑨	196439
	2		4		2	Accessories sash buffer top ⑱	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184785
1	2		2		2	Locking bolt (night vent) ⑦	184725
		1	1			Locking bolt, scheme C ⑯ ⑳ ㉑	197279
		1	1			Locking bolt (night vent), scheme C ⑰ ㉒ ㉑	197282
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198291
2	4		4		4	Packer locking bolt ⑲	204970

ATRIUM Alu-HS® 300, SYKON





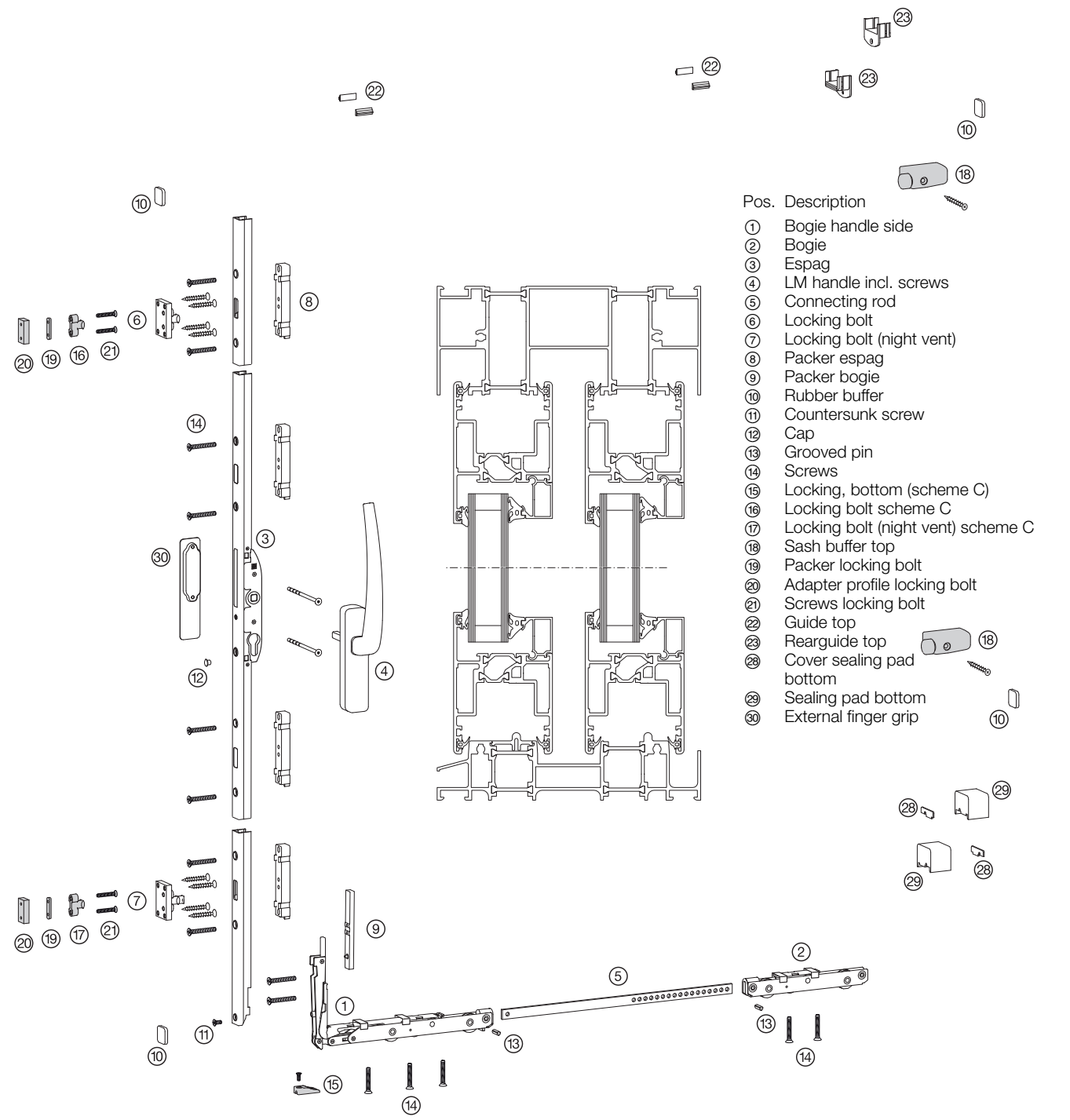
ATRIUM Alu-HS® 300, SYKON

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189553
	2		4		2	Accessories sash buffer top ⑮	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184785
1	2		2		2	Locking bolt (night vent) ⑦	184725
		1	1			Locking bolt, scheme C ⑮ ⑲ ㉔ ㉔	197279
		1	1			Locking bolt (night vent), scheme C ⑰ ⑲ ㉔ ㉔	197282
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ㉔	198105
2	4		4		4	Packer locking bolt ⑰	204970

ATRIUM Alu-HS® 200, WICONA - Wicslide 23

Sash 1041005



- Pos. Description
- ① Bogie handle side
 - ② Bogie
 - ③ Espag
 - ④ LM handle incl. screws
 - ⑤ Connecting rod
 - ⑥ Locking bolt
 - ⑦ Locking bolt (night vent)
 - ⑧ Packer espag
 - ⑨ Packer bogie
 - ⑩ Rubber buffer
 - ⑪ Countersunk screw
 - ⑫ Cap
 - ⑬ Grooved pin
 - ⑭ Screws
 - ⑮ Locking, bottom (scheme C)
 - ⑯ Locking bolt scheme C
 - ⑰ Locking bolt (night vent) scheme C
 - ⑱ Sash buffer top
 - ⑲ Packer locking bolt
 - ⑳ Adapter profile locking bolt
 - ㉑ Screws locking bolt
 - ㉒ Guide top
 - ㉓ Rearguide top
 - ㉔ Cover sealing pad bottom
 - ㉕ Sealing pad bottom
 - ㉖ External finger grip



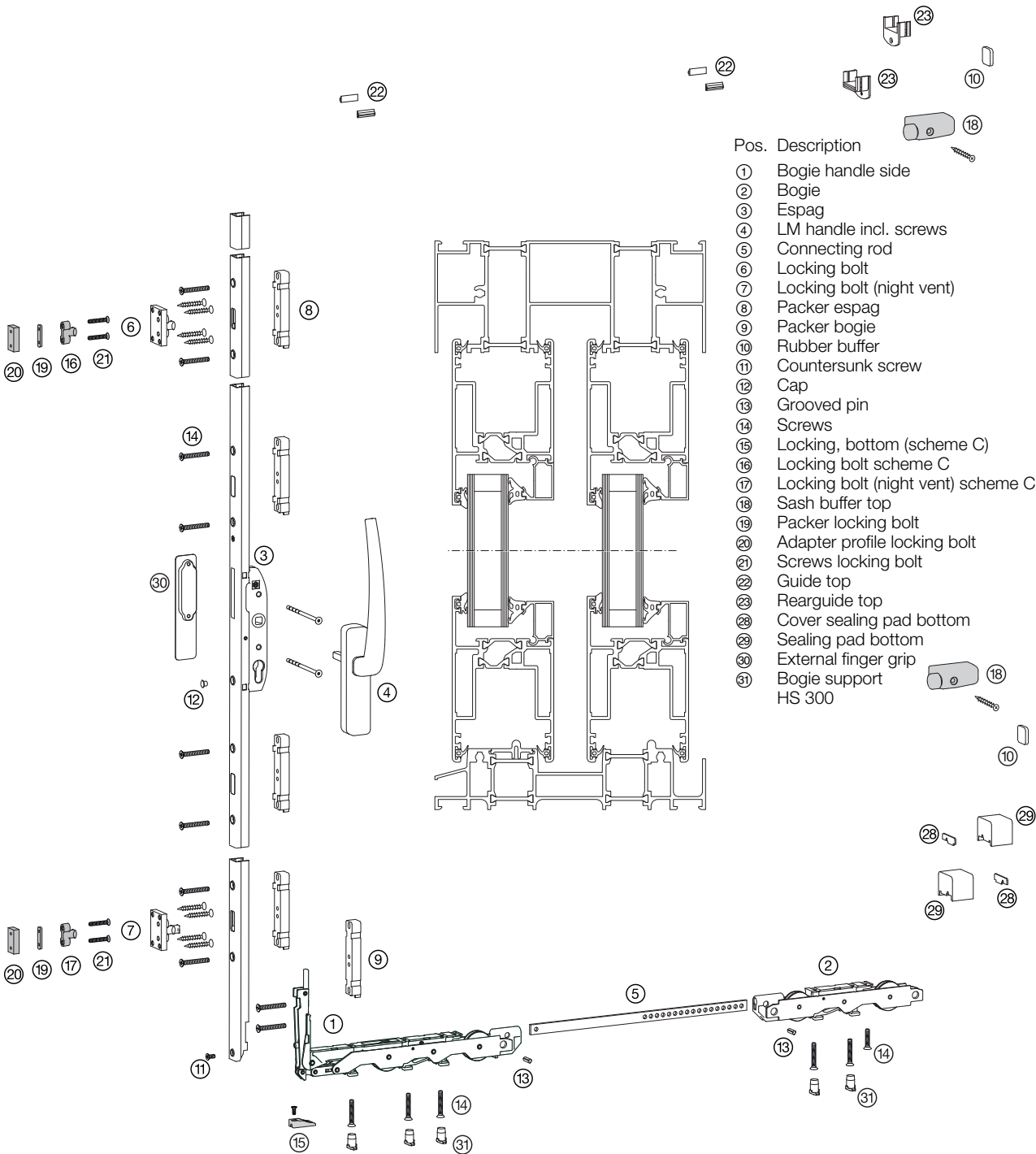
ATRIUM Alu-HS® 200, WICONA - Wicslide 23

Sash 1041005

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 200 ① ②	193720
1	2	2	4	1	3	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬	189490
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③①	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 200 ⑤ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 C34 195419 195422 195425 195428 195431 195434 195437 195440
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 650-1360 200 1361-1860 250 1861-2360	HAUTAU-S-Plus 184578 184581 184584
1	2	2	4	1	3	Packers ⑧ ⑨	198027
	2		4		2	Accessories sash buffer top ⑮	white black 187480 187477
1	2		2		2	Locking bolt ⑥	191893
1	2		2		2	Locking bolt (night vent) ⑦	191896
		1	1			Locking bolt, scheme C ⑯ ⑰ ⑱ ⑲	189643
		1	1			Locking bolt (night vent), scheme C ⑰ ⑰ ⑱ ⑲	189646
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198288
1	2	2	2	2	2	Accessories sealing pad Wicslide 23 ⑳ ㉓ ㉔ ㉕	196976

ATRIUM Alu-HS® 300, WICONA - Wicslide 23
Sash 1041006





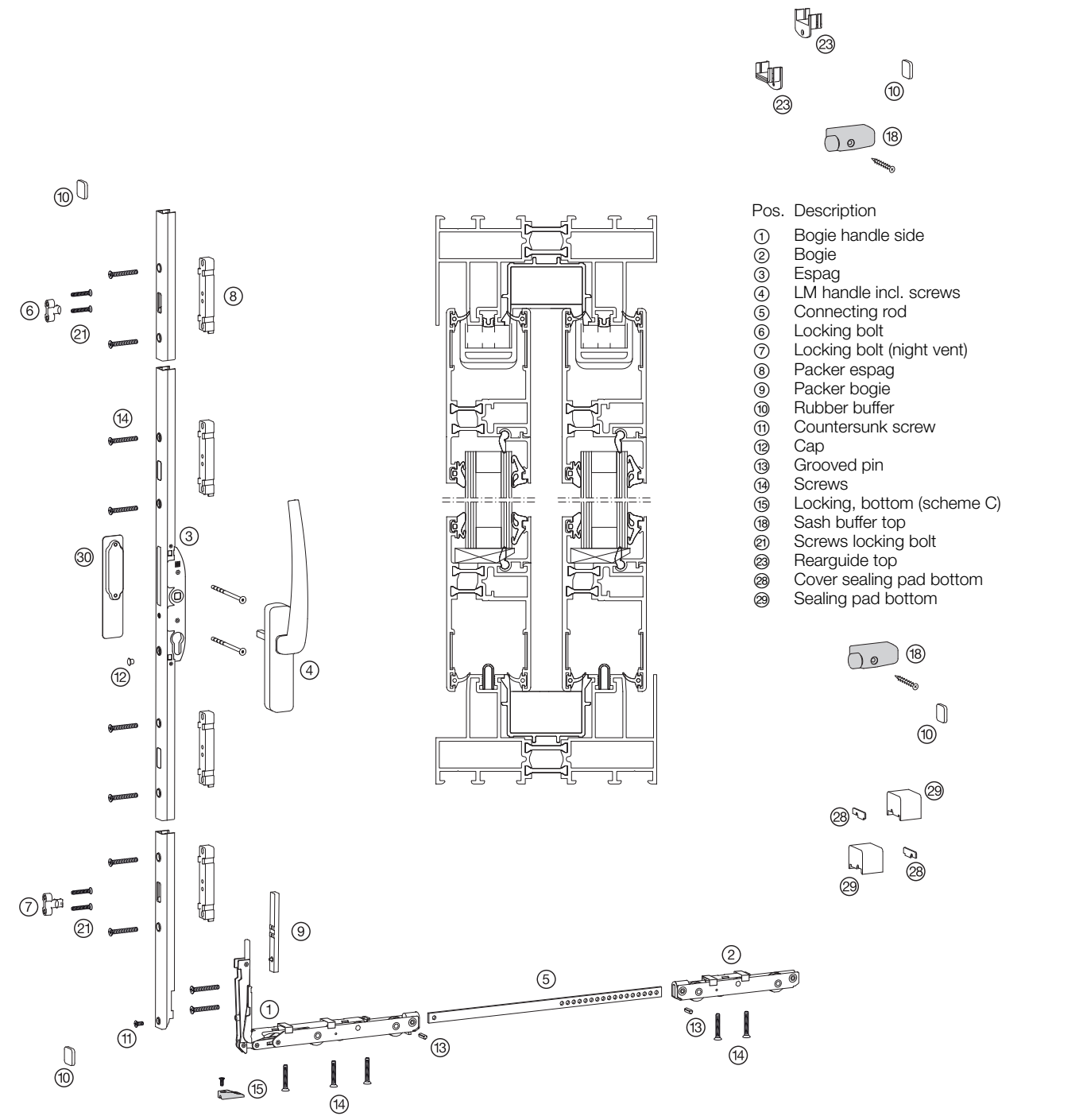
ATRIUM Alu-HS® 300, WICONA - Wicslide 23

Sash 1041006

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ⑤	EV1 C34 184307 184310 184313 184316 184319 184322 184325 184328
1	2	2	4	1	3	Connecting rod ⑤	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189553
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	191893
1	2		2		2	Locking bolt (night vent) ⑦	191896
		1	1			Locking bolt, scheme C ⑯ ⑲ ㉔ ㉔	189643
		1	1			Locking bolt (night vent), scheme C ⑰ ⑲ ㉔ ㉔	189646
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198108
1	2	2	2	2	2	Accessories sealing pad Wicslide 23 ㉔ ㉔ ㉔ ㉔	196976

ATRIUM Alu-HS® 200, WICONA - Wicslide 26
Sash 1041012



- | Pos. | Description |
|------|----------------------------|
| ① | Bogie handle side |
| ② | Bogie |
| ③ | Espag |
| ④ | LM handle incl. screws |
| ⑤ | Connecting rod |
| ⑥ | Locking bolt |
| ⑦ | Locking bolt (night vent) |
| ⑧ | Packer espag |
| ⑨ | Packer bogie |
| ⑩ | Rubber buffer |
| ⑪ | Countersunk screw |
| ⑫ | Cap |
| ⑬ | Grooved pin |
| ⑭ | Screws |
| ⑮ | Locking, bottom (scheme C) |
| ⑯ | Sash buffer top |
| ⑰ | Screws locking bolt |
| ⑱ | Rearguide top |
| ⑲ | Cover sealing pad bottom |
| ⑳ | Sealing pad bottom |



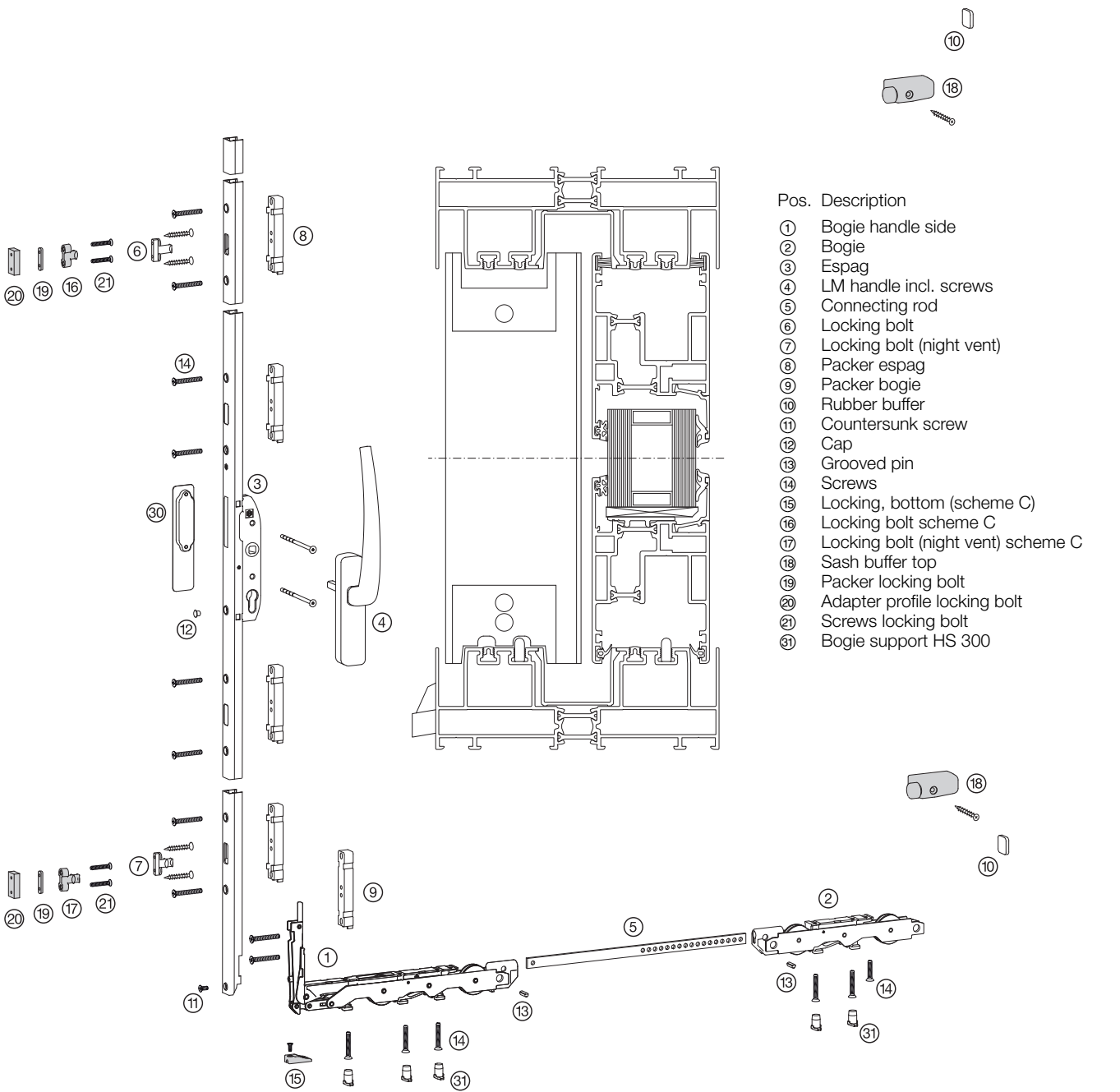
ATRIUM Alu-HS® 200, WICONA - Wicslide 26

Sash 1041012

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 200 ① ②	193720
1	2	2	4	1	3	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬	189490
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③①	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 200 ③	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 C34 195419 195422 195425 195428 195431 195434 195437 195440
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 650-1360 200 1361-1860 250 1861-2360 HAUTAU-S-Plus 184578 184581 184584
1	2	2	4	1	3	Packers ⑧ ⑨	198027
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	189781
1	2		2		2	Locking bolt (night vent) ⑦	189778
		1	1			Locking bolt, scheme C (no ill.)	193798
		1	1			Locking bolt (night vent), scheme C (no ill.)	193795
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198285
1	2	2	2	2	2	Accessories sealing pad Wicslide 26 ⑳ ㉓ ㉔	196979

ATRIUM Alu-HS® 300, WICONA Benelux

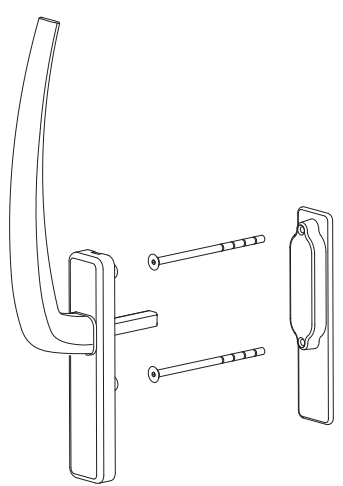


ATRIUM Alu-HS® 300, WICONA Benelux

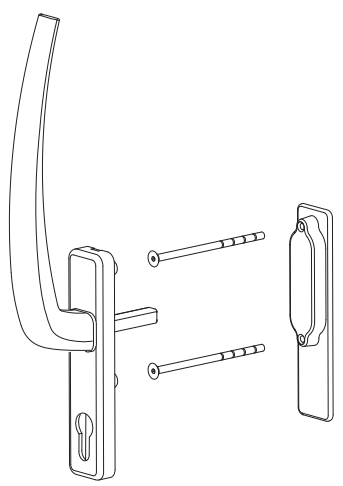
Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189553
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	189781
1	2		2		2	Locking bolt (night vent) ⑦	189778
		1	1			Locking bolt, scheme C ⑯ ⑲ ㉔ ㉔	189643
		1	1			Locking bolt (night vent), scheme C ⑰ ⑲ ㉔ ㉔	189646
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198105

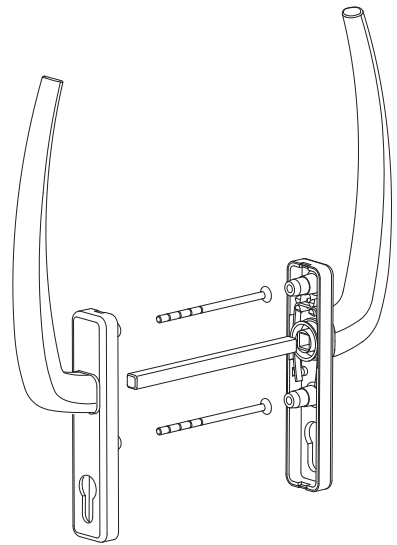
Handle sets



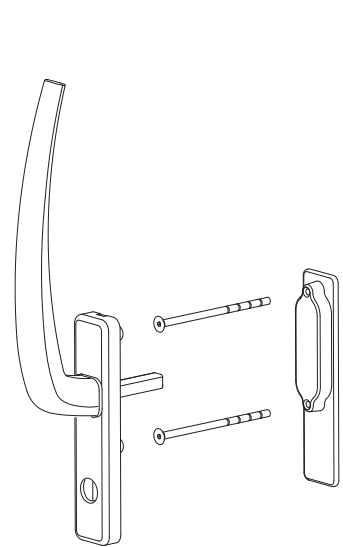
④ Handle set inside



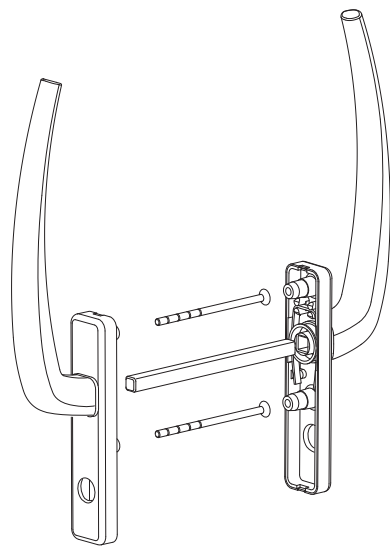
⑦⑨ Handle set Pz/I



⑦⑨ Handle set Pz/IA



⑦⑨ Handle set round cylinder inside Rz/I



⑦⑨ Handle set round cylinder Rz/IA

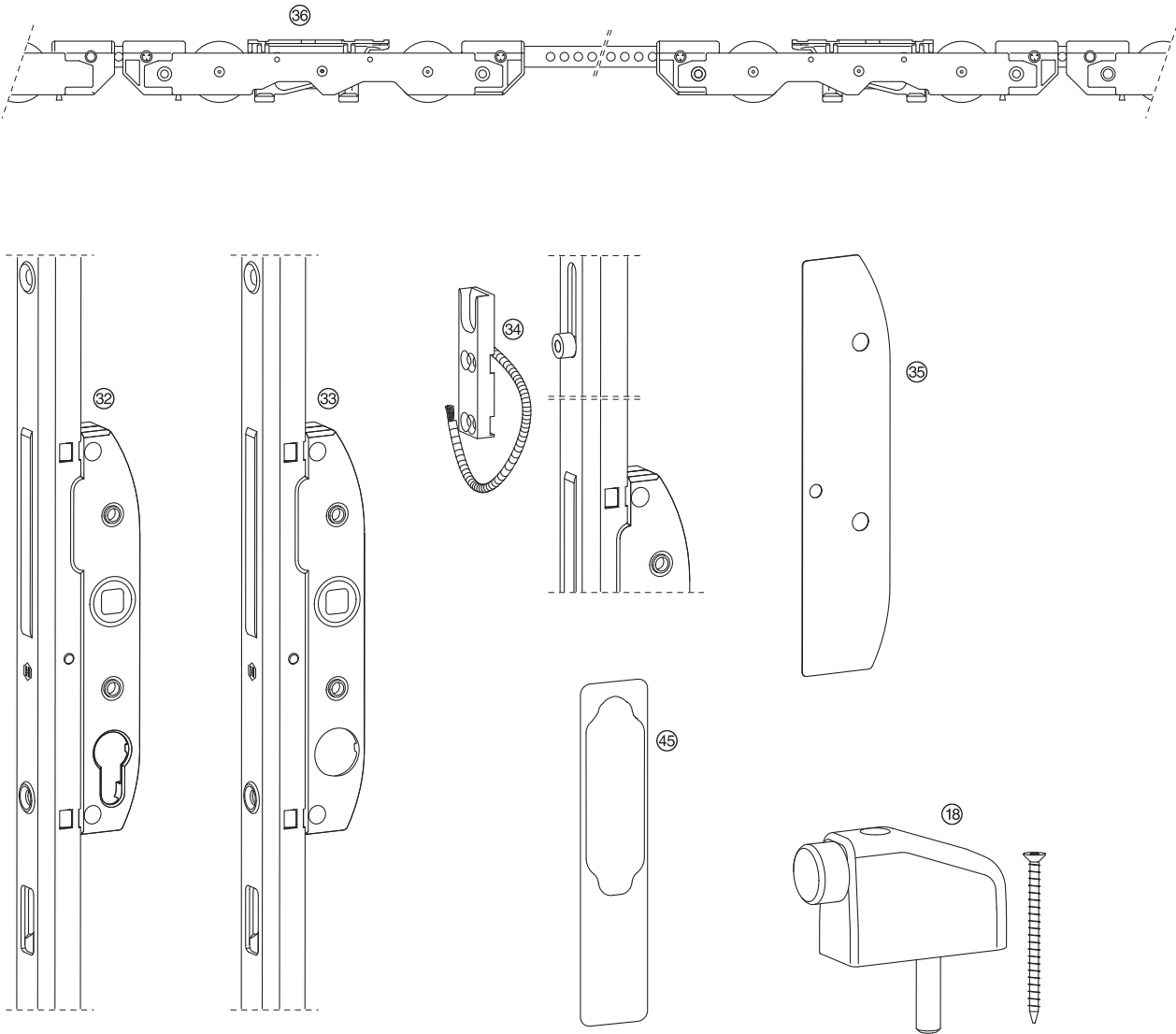


Handle sets

Article description	Item Code					
Handle set inside ④	EV1 185176	RAL 9016 185170	RAL 9001 191554	brown 185173	black 193615	C33 185592
Handle set for profile cylinder inside (Pz/I) ⑦a	EV1 186988	RAL 9016 186982	RAL 9001 191557	brown 186985	black 193618	C33 186991
Handle set with outside operation for inside/outside profile cylinder (Pz/IA) ⑦b	EV1 185185	RAL 9016 185179	RAL 9001 191563	brown 185182	black 193621	C33 185595
Handle set SKG* (no ill.) with outside operation for inside/outside profile cylinder (Pz/IA)	EV1 194855					
Handle set for surface coating, Single components (no ill.) inside	natural 204553					
Handle set for surface coating, Single components (no ill.) for profile cylinder inside (Pz/I)	natural 204556					
Handle set for surface coating, Single components (no ill.) with outside operation for inside/outside profile cylinder (Pz/IA)	natural 206836					
Handle set for round cylinder inside (Rz/I) ⑦c	EV1 211300	RAL 9016 211288	RAL 9001 211291	brown 211297	black 211294	C33 211303
Handle set with outside operation for inside/outside round cylinder (Rz/IA) ⑦d	EV1 211318	RAL 9016 211306	RAL 9001 211309	brown 211315	black 211312	C33 211321
Screws M5 x 70 (2 Stück) (no ill.) for espag with thread bushes and profiles below 50 mm construction depth						130499



Accessories



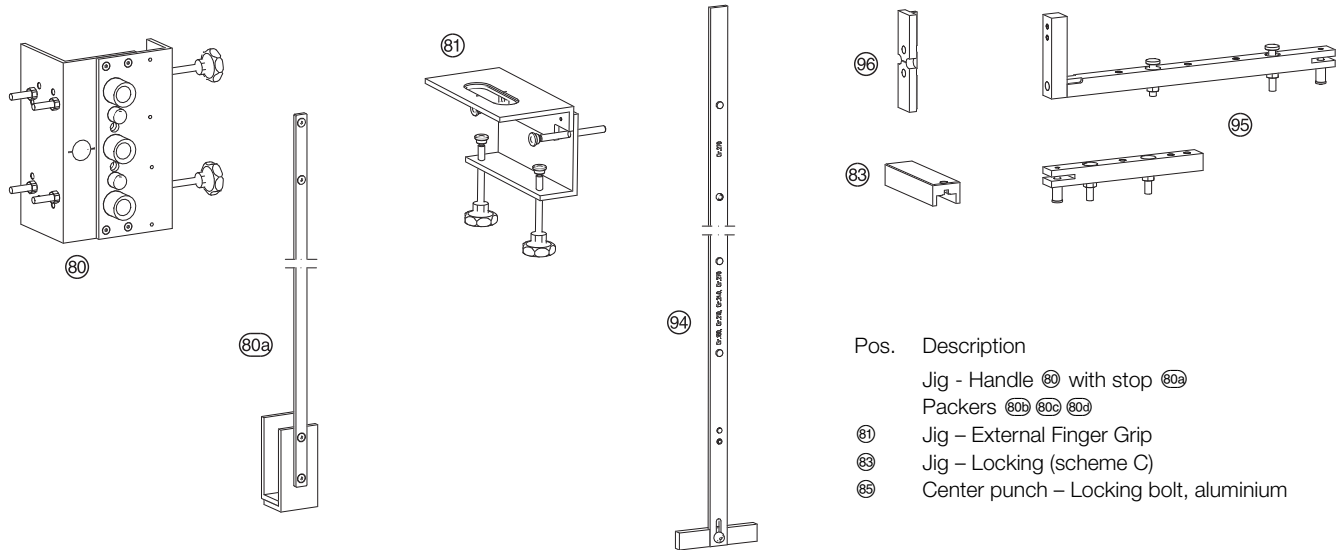


Accessories

Article description	Item Code		
Carton Tandem bogie HS 300 c/w accessories, max.sash weight 400 kg 36			196199
for running track round (R5)			196667
for running track trapezoid (Schüco)			204844
for running track trapezoid (Metra)			
	Size	FH	EV1
	180	1200-1800	204622
Espag for round shaped cylinder HS 300 33	210	1801-2100	204625
	240	2101-2400	204628
	270	2401-2700	204631
	Size	FH	EV1
	180	1200-1800	206812
Espag with lock controlling incl. frame sensors HS 300 34	210	1801-2100	206815
	240	2101-2400	206818
	270	2401-2700	206821
Espag extension HS 300, 600 mm (with 1 locking) (no ill.)			209738
Sealing for external finger grip 49			191260
Anti-drill protection accessories WK2 35			193573
Bag accessories sash stop 18			black white
			187477 187480
Packer for locking bolt 0,5 mm 77			206074
Bogie support Alu-HS 300 31			209741
	Size	FH	HAUTAU-S-Plus
	150	720-1500	111446
Connecting rod, round 5	200	1501-2000	111455
	250	2001-2500	188708
	323	2501-3235	188711
Screw for connecting rod (no ill.) (each sash 4pcs. required)			104273



Mounting Support (Tools)



Pos.	Description
	Jig - Handle 80 with stop 80a
	Packers 80b 80c 80d
81	Jig – External Finger Grip
83	Jig – Locking (scheme C)
85	Center punch – Locking bolt, aluminium



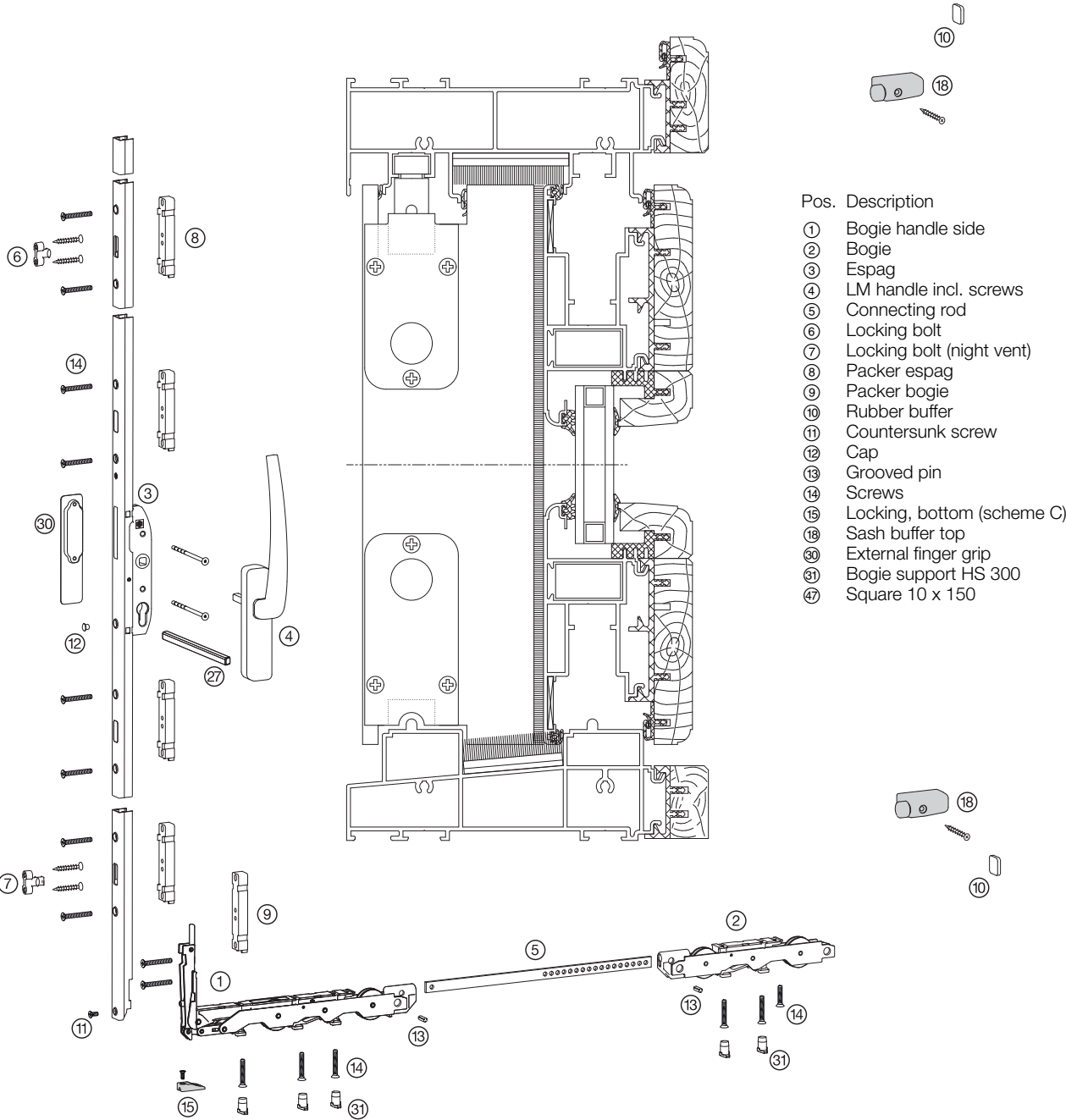
Mounting Support (Tools)

Article description	Item Code
Jig - Handle with stop 80	186905
Jig - External finger grip 81	187966
Jig locking, bottom (scheme C) (R5) 83	187972
Jig locking, bottom (scheme C) Schüco/Metra 83	196562
Jig Espag HS 300 uni 84	197548
Jig Espag HS 300 SAPA 84	197536
Jig bogie HS 300 long uni 85	195050
Jig bogie HS 300 short uni 85	195053
Jig bogie HS 400 long 85	195044
Jig bogie HS 400 short 85	195047
Jig bogie HS 300 long SAPA C125 85	197521
Jig bogie HS 300 short SAPA C125 85	197524
Jig locking bolt Alu-HS 300 Akotherm 86	207322
Jig locking bolt Alu-HS 300 Alumil 86	196718
Jig locking bolt Alu-HS 300 SAPA ES 60 86	193564
Jig locking bolt Alu-HS 300 Heroal 86	189748
Jig locking bolt Alu-HS 300 Reynaers TLS 110 86	189988
Jig locking bolt Alu-HS 300 Schüco ASS 70 86	196205
Jig locking bolt Alu-HS 300 Schüco ASS 50 86	189745
Jig locking bolt Alu-HS 300 Extrugal 86	190819
Jig locking bolt Alu-HS 300 Cortizo 86	190285
Jig locking bolt Alu-HS 300 Kawneer Alcoa RT135 86	190384
Jig locking bolt Alu-HS 300 Reynaers CP 155 86	189751
Jig locking bolt Alu-HS 300 Wicona Wicslide 23 86	189742
Jig locking bolt Alu-HS 300 Wicona Benelux and 26 86	189754
Jig locking bolt Alu-HS 300 Metra 86	189739

Further mounting support on request.



ATRIUM Alu-HS® 300, Abithal





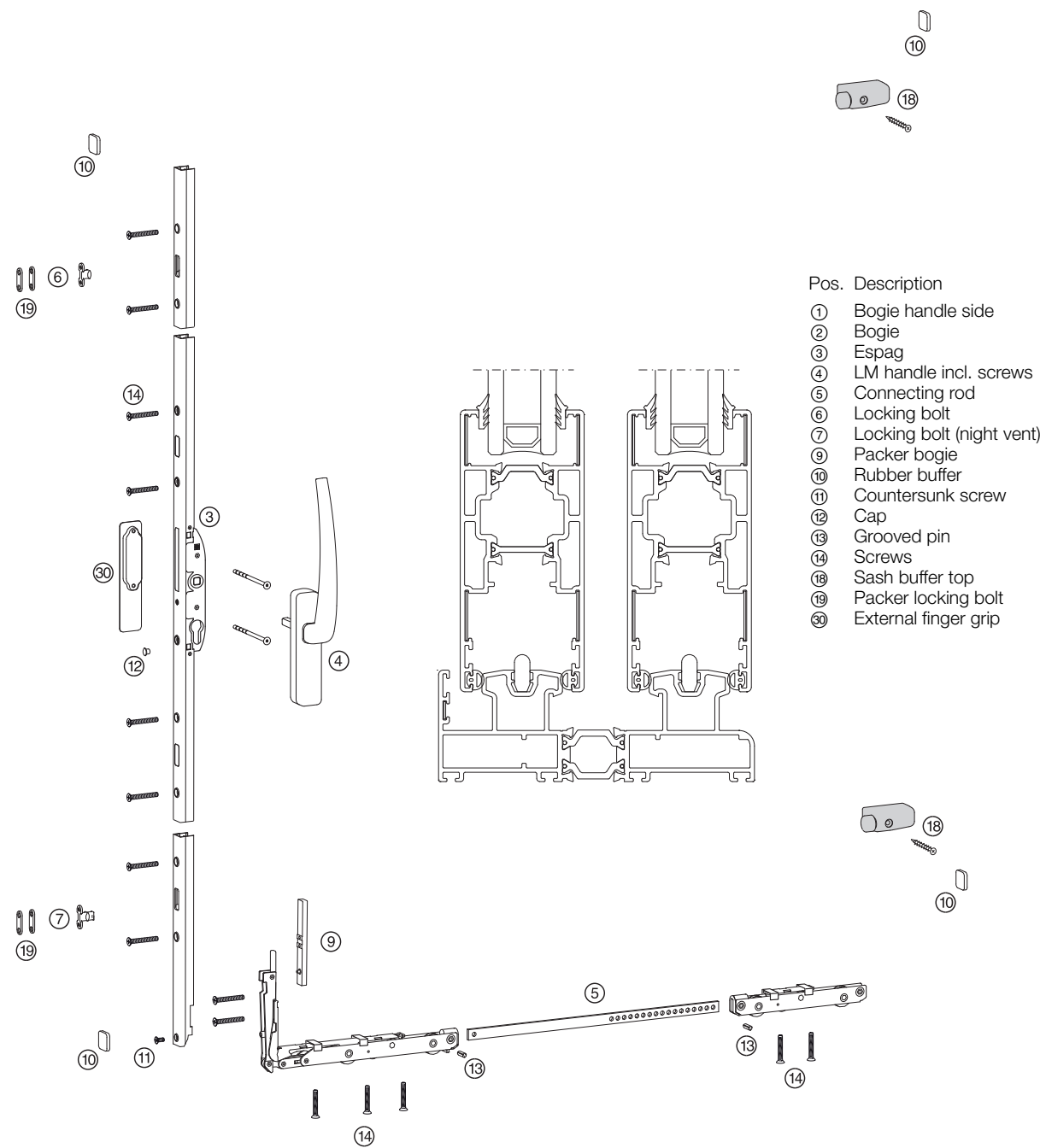
ATRIUM Alu-HS® 300, Abithal

Items required for scheme

A	D	C	F	G	H	Article description			Item Code		
1	2	2	4	1	3	Carton bogies HS 300 ① ②			184575		
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳			188636		
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔			EV1 185176	white 185170	brown 185173
						Square10 x 150 ④7			190885		
1	2	2	4	1	3	Espag HS 300 ③	Size	FH	EV1		
							180	1200-1800	184307		
							210	1801-2100	184313		
							240	2101-2400	184319		
270	2401-2700	184325									
1	2	2	4	1	3	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
							150	720-1500	184578		
							200	1501-2000	184581		
							250	2001-2500	184584		
323	2501-3235	184587									
1	2	2	4	1	3	Packers ⑧ ⑨			195698		
	2		4		2	Accessories sash buffer top ⑯			white 187480	black 187477	
1	2		2		2	Locking bolt ⑥			190588		
1	2		2		2	Locking bolt (night vent) ⑦			190594		
		1	1	1	1	Locking, bottom (scheme C) ⑮			186934		
1	2	2	4	1	3	Screws ⑭			189802		



ATRIUM Alu-HS® 200, Aluset T 400

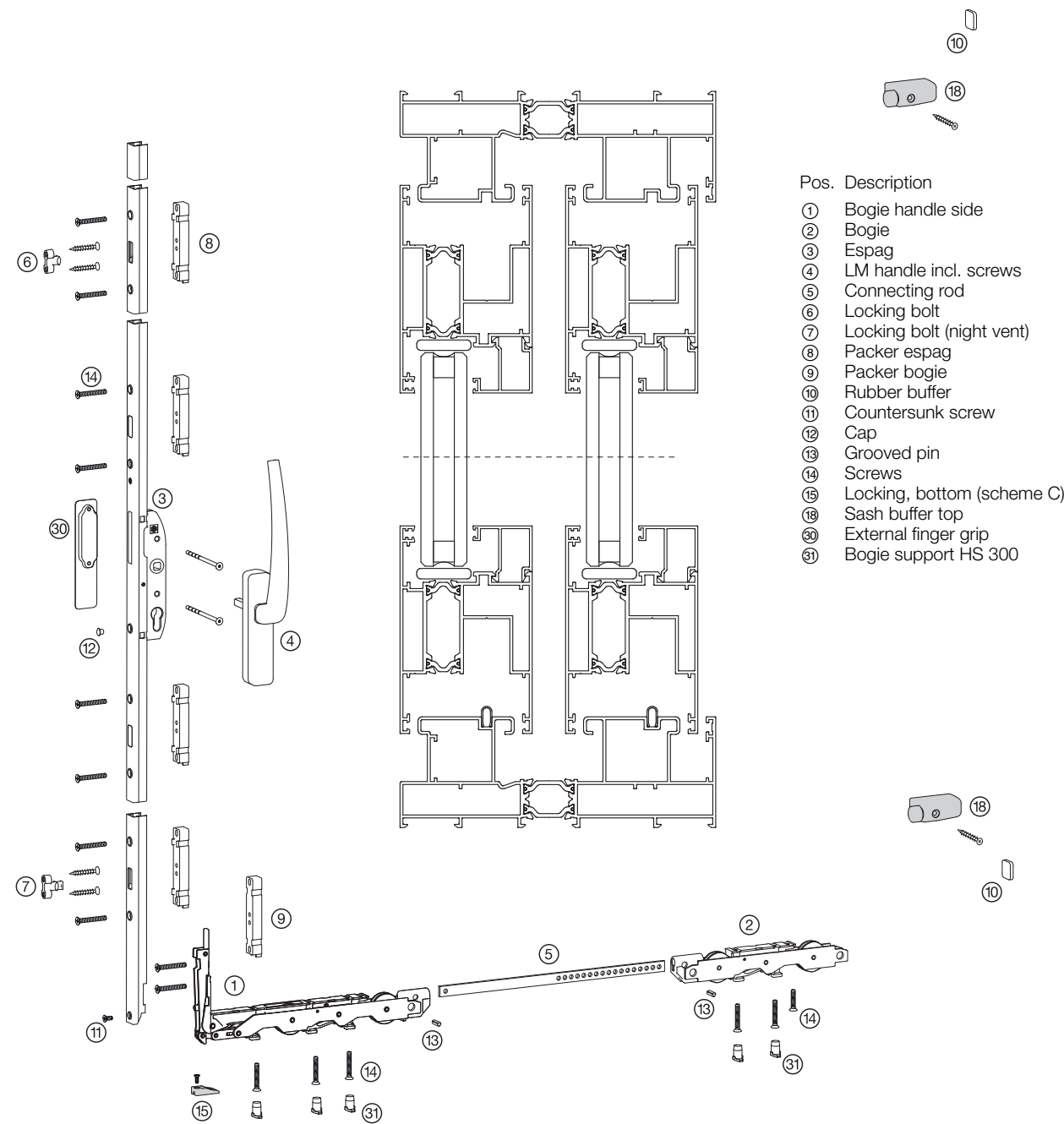


ATRIUM Alu-HS® 200, Aluset T 400

Stück bei Schema

A	D	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③⑨			EV1 208402	white 208414	brown 208417
1	2	Espag HS 200 ③	Size	FH	EV1	C34	
			180	1200-1800	195419	195422	
			210	1801-2100	195425	195428	
			240	2101-2400	195431	195434	
			270	2401-2700	195437	195440	
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
1	2	Packers ⑨			196436		
1	2	Accessories sash buffer top ⑱			white 187480	black 187477	
1	2	Locking bolt ⑥			190327		
1	2	Locking bolt (night vent) ⑦			190321		
4	8	Packer locking bolt ⑲			206074		
1	2	Screws ⑭			198288		

ATRIUM Alu-HS® 300, Aluminco





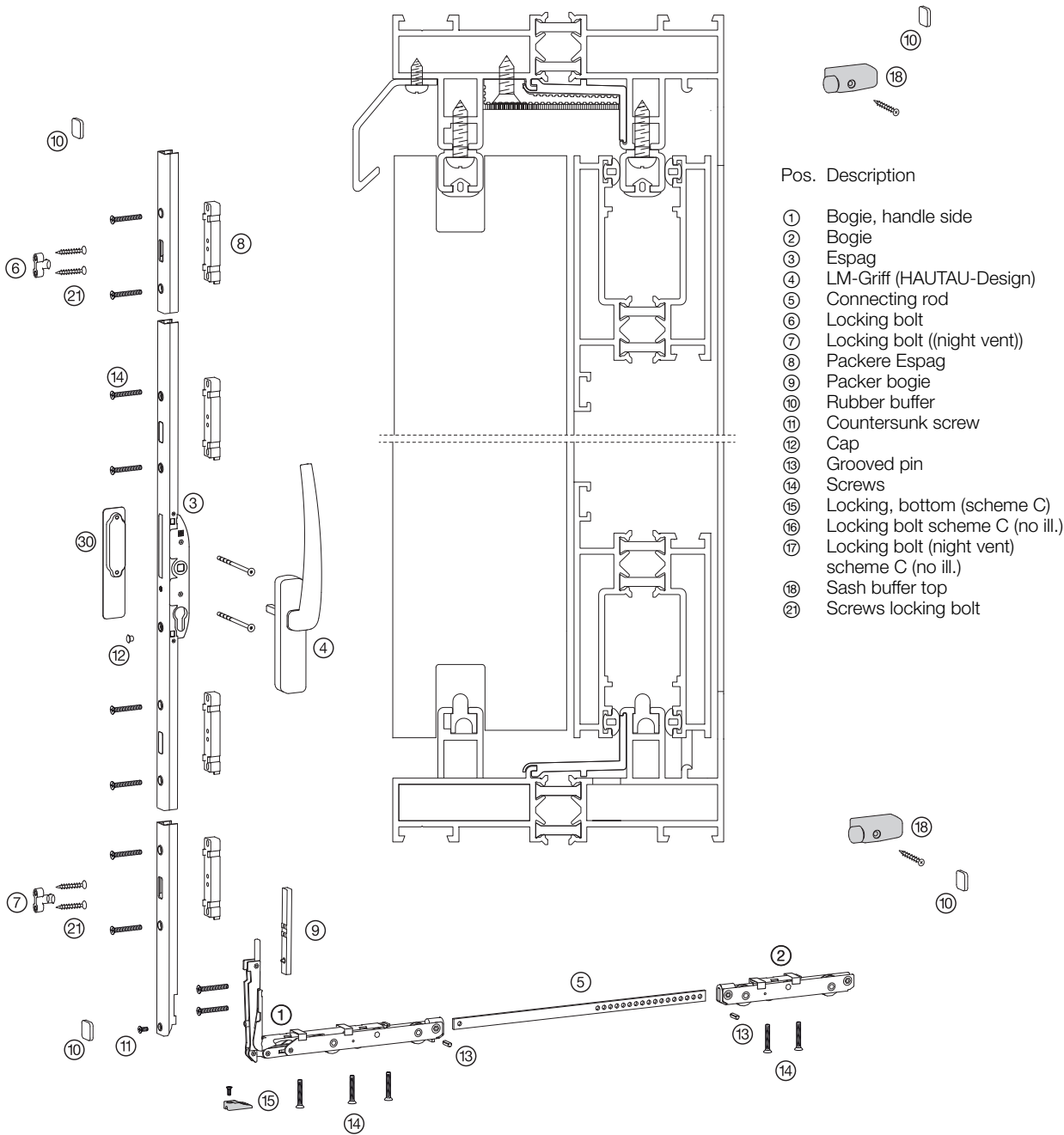
ATRIUM Alu-HS® 300, Aluminco

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176white 185170brown 185173
1	2	2	4	1	3	Espag HS 300 ③	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 C34 184307 184310 184313 184316 184319 184322 184325 184328
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑨ ⑩	188633
	2		4		2	Accessories sash buffer top ⑮	white black 187480 187477
1	2		2		2	Locking bolt ⑥	190588
1	2		2		2	Locking bolt (night vent) ⑦	190594
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198105



ATRIUM Alu-HS® 200, Cuhadaroglu



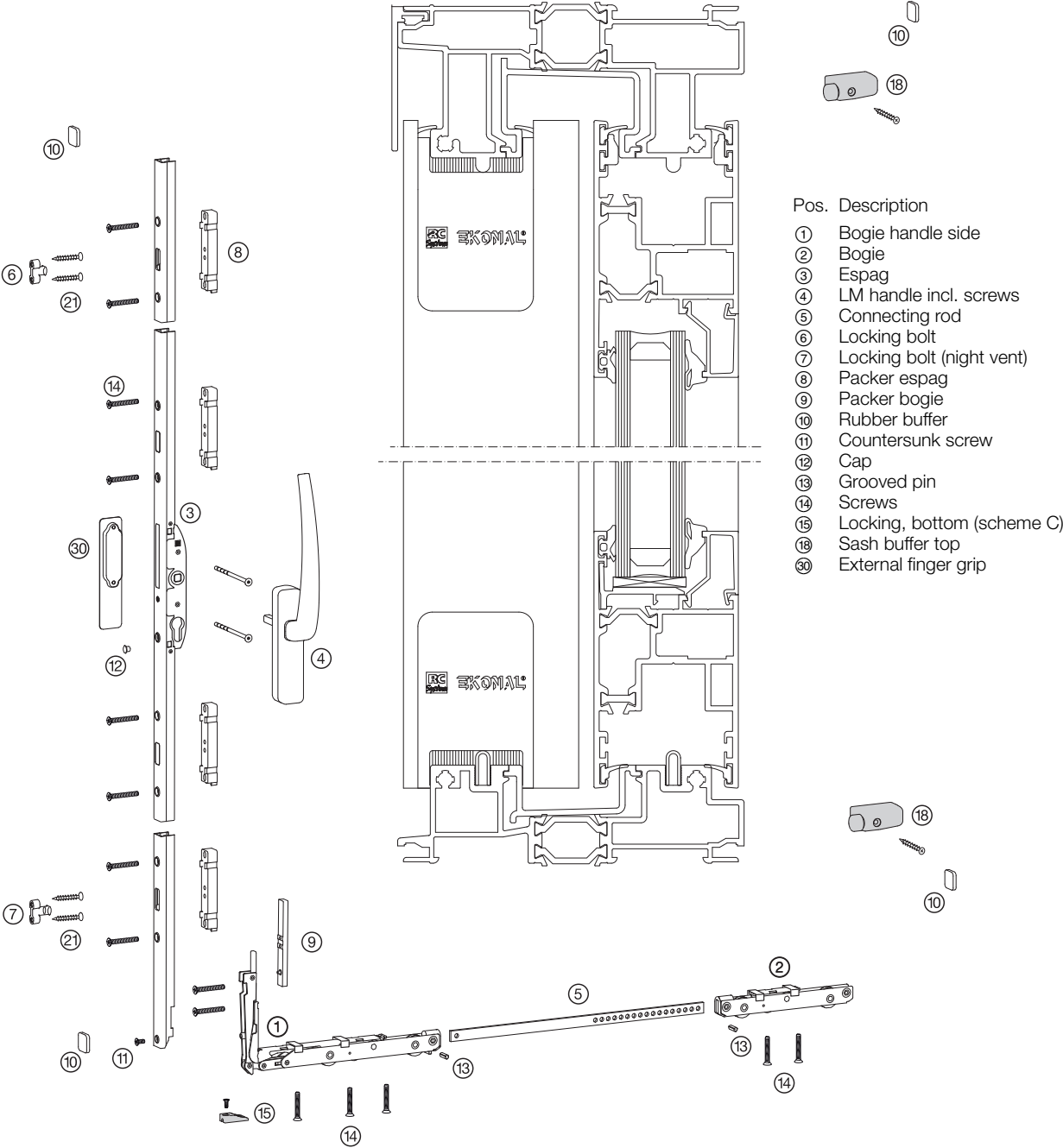


ATRIUM Alu-HS® 200, Cuhadaroglu

Stück bei Schema

A	C	Article description				Item Code		
1	2	Carton bogies HS 200 ① ②				193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬				189490		
1	2	Carton LM handle (HAUTAU-Design) ④				EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 ③	Size	FH	EV1	C34		
			180	1200-1800	195419	195422		
			210	1801-2100	195425	195428		
			240	2101-2400	195431	195434		
			270	2401-2700	195437	195440		
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus			
			150	650-1360	184578			
			200	1361-1860	184581			
			250	1861-2360	184584			
1	2	Packers ⑧ ⑨				198027		
		Accessories sash buffer top ⑯				white 187480	black 187477	
1		Locking bolt ⑥ ⑳				184815		
1		Locking bolt (night vent) ⑦ ㉑				184755		
	1	Locking bolt, scheme C ⑯				209708		
	1	Locking bolt (night vent), scheme C ⑰				209711		
	1	Locking, bottom (scheme C) ⑮				186934		
1	2	Screws ⑭				198288		

ATRIUM Alu-HS® 200, Ekonal ES 50





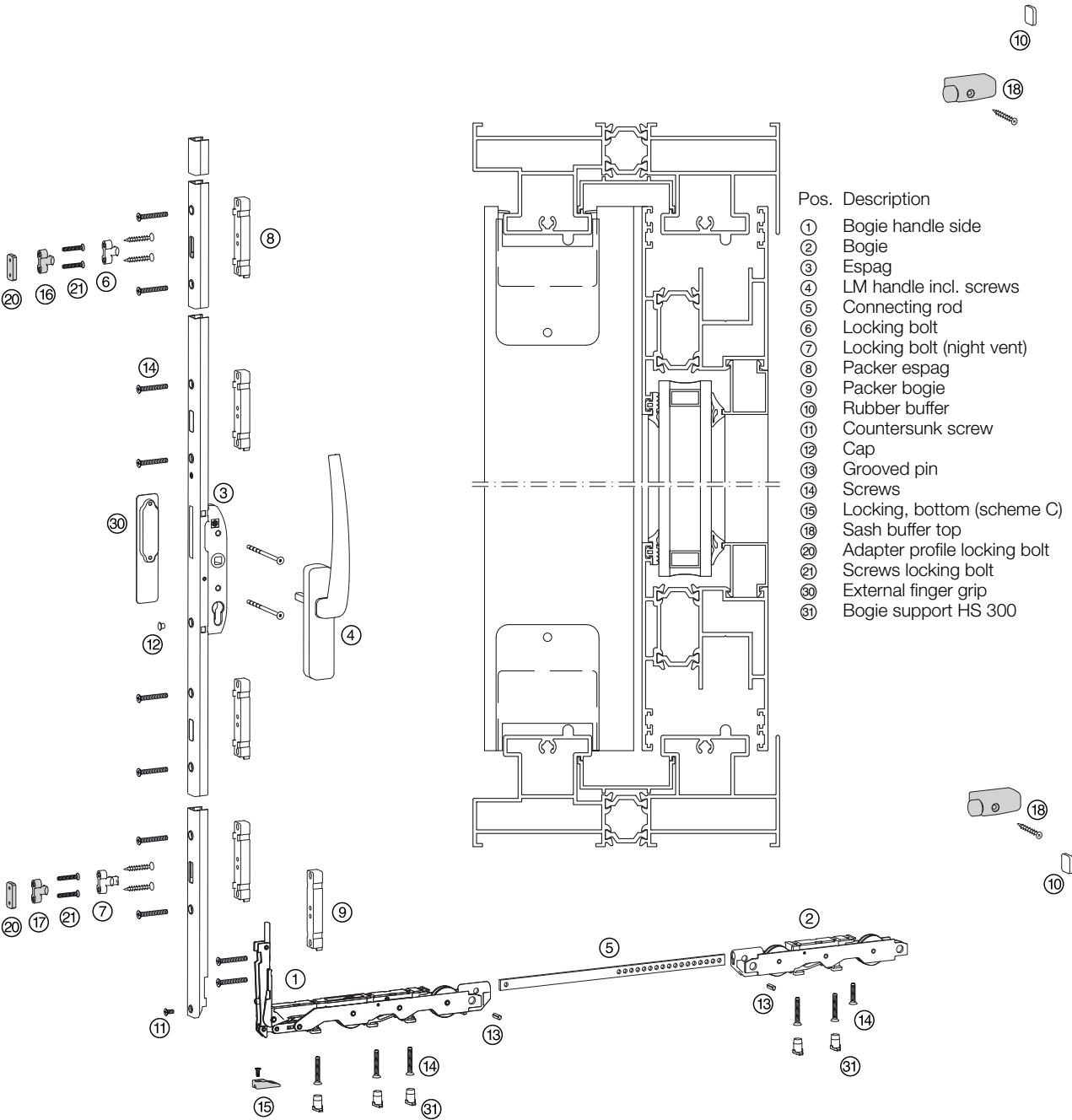
ATRIUM Alu-HS® 200, Ekonal ES 50

Items required for scheme

A	C	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③⑨			EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 ③	Size	FH	EV1	C34	
			180	1200-1800	195419	195422	
			210	1801-2100	195425	195428	
			240	2101-2400	195431	195434	
			270	2401-2700	195437	195440	
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
1	2	Packers ⑧ ⑨			198027		
		Accessories sash buffer top ⑯			white 187480	black 187477	
1	1	Locking bolt ⑥			189484		
1	1	Locking bolt (night vent) ⑦			189487		
	1	Locking, bottom (scheme C) ⑮			186934		
1	2	Screws ⑭			198105		



ATRIUM Alu-HS® 300, Etem

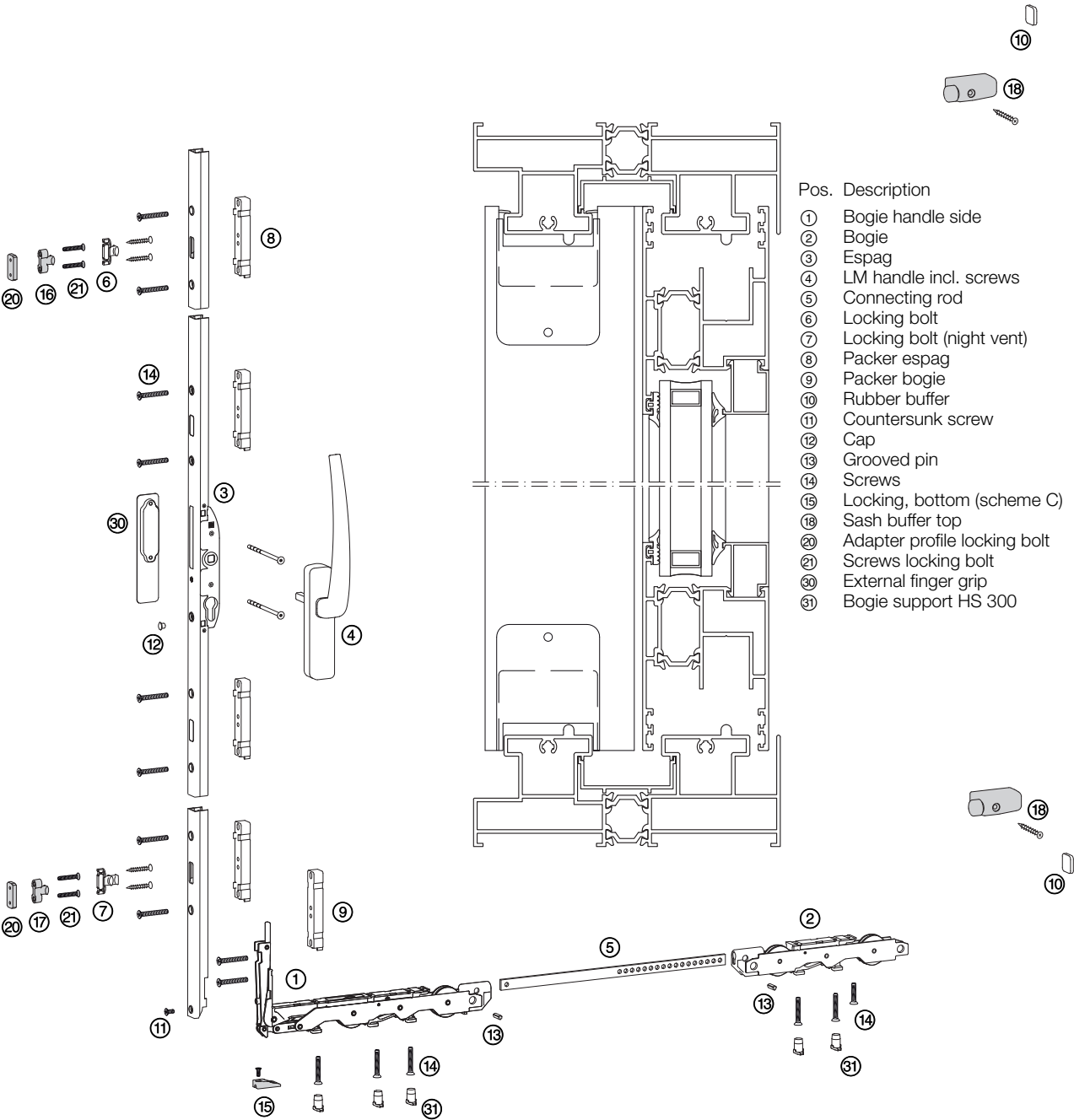


ATRIUM Alu-HS® 300, Etem

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Gr. FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Gr. FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packer (23mm) ⑥ ⑨	189553
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt (20mm) ⑥	184767
1	2		2		2	Locking bolt (night vent) 20mm ⑦	184707
		1	1			Accessories Locking bolt, scheme C (20mm) ⑯ ㉔ ㉕	209723
		1	1			Accessories Locking bolt (night vent), scheme C (20mm) ⑰ ㉔ ㉕	209726
		1	1	1	1	Locking, bottom, scheme C ⑮	189934
1	2	2	4	1	3	Screws LM4 ⑭	198105

ATRIUM Alu-HS® 200, Europa 10 000

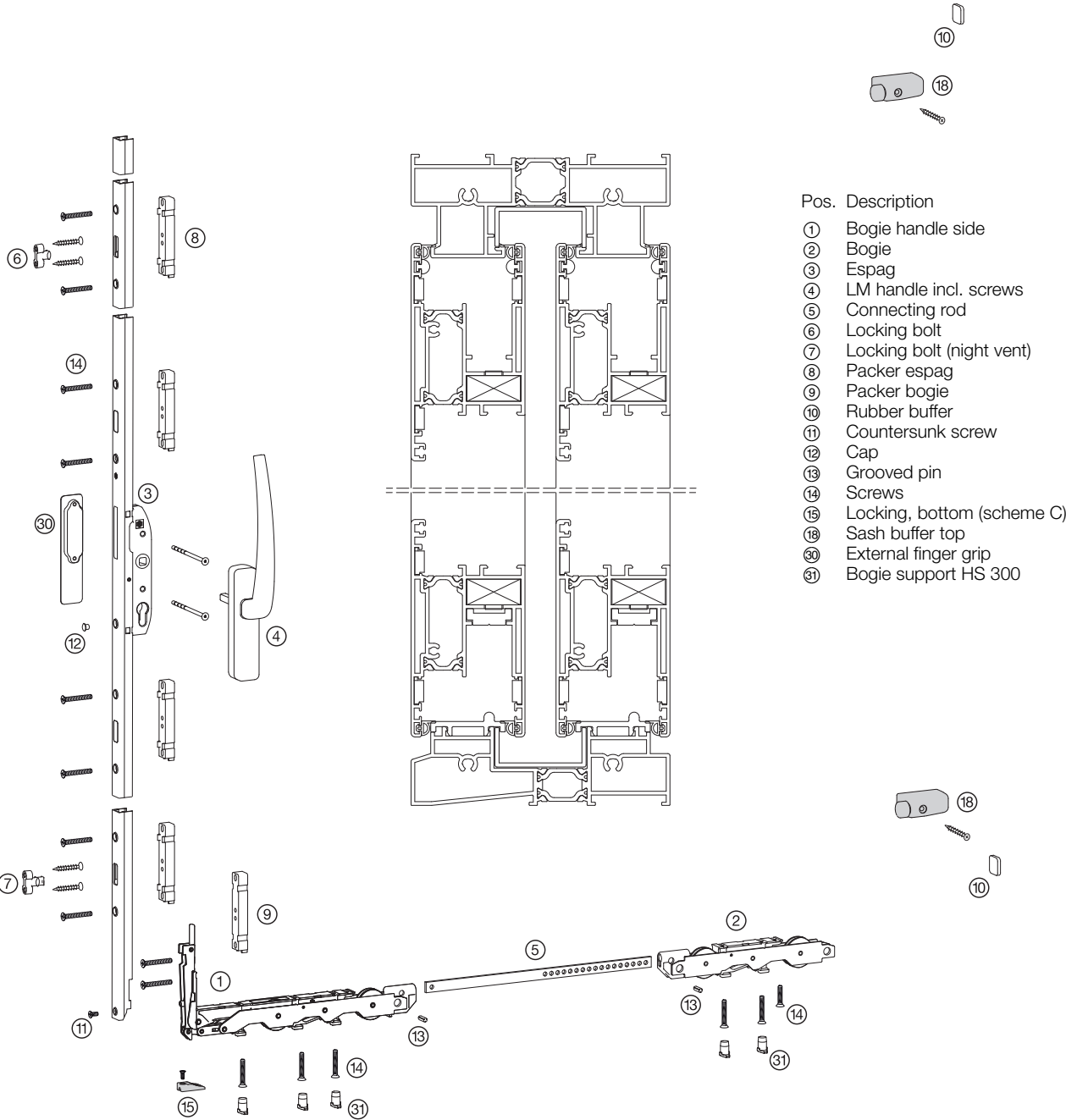


ATRIUM Alu-HS® 200, Europa 10 000

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185170 185173
1	2	2	4	1	3	Espag HS 200 ③	Gr. FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 195419 195425 195431 195437
1	2	2	4	1	3	Connecting rod ⑤	Gr. FB 150 720-1500 200 1501-2000 250 2001-2500 HAUTAU-S-Plus 184578 184581 184584
1	2	2	4	1	3	Packer (16 mm) ⑧ ⑨	188633
	2		4		2	Accessories sash buffer top ⑮	white black 187480 187477
1	2		2		2	Locking bolt ⑥	223446
1	2		2		2	Locking bolt (night vent) ⑦	223449
		1	1			Accessories Locking bolt, scheme C ⑯ ㉔ ㉕	223452
		1	1			Accessories Locking bolt (night vent), scheme C ⑰ ㉔ ㉕	223455
		1	1	1	1	Locking, bottom, scheme C ⑮	189934
1	2	2	4	1	3	Screws LM4 ⑭	198105

ATRIUM Alu-HS® 300, Exal





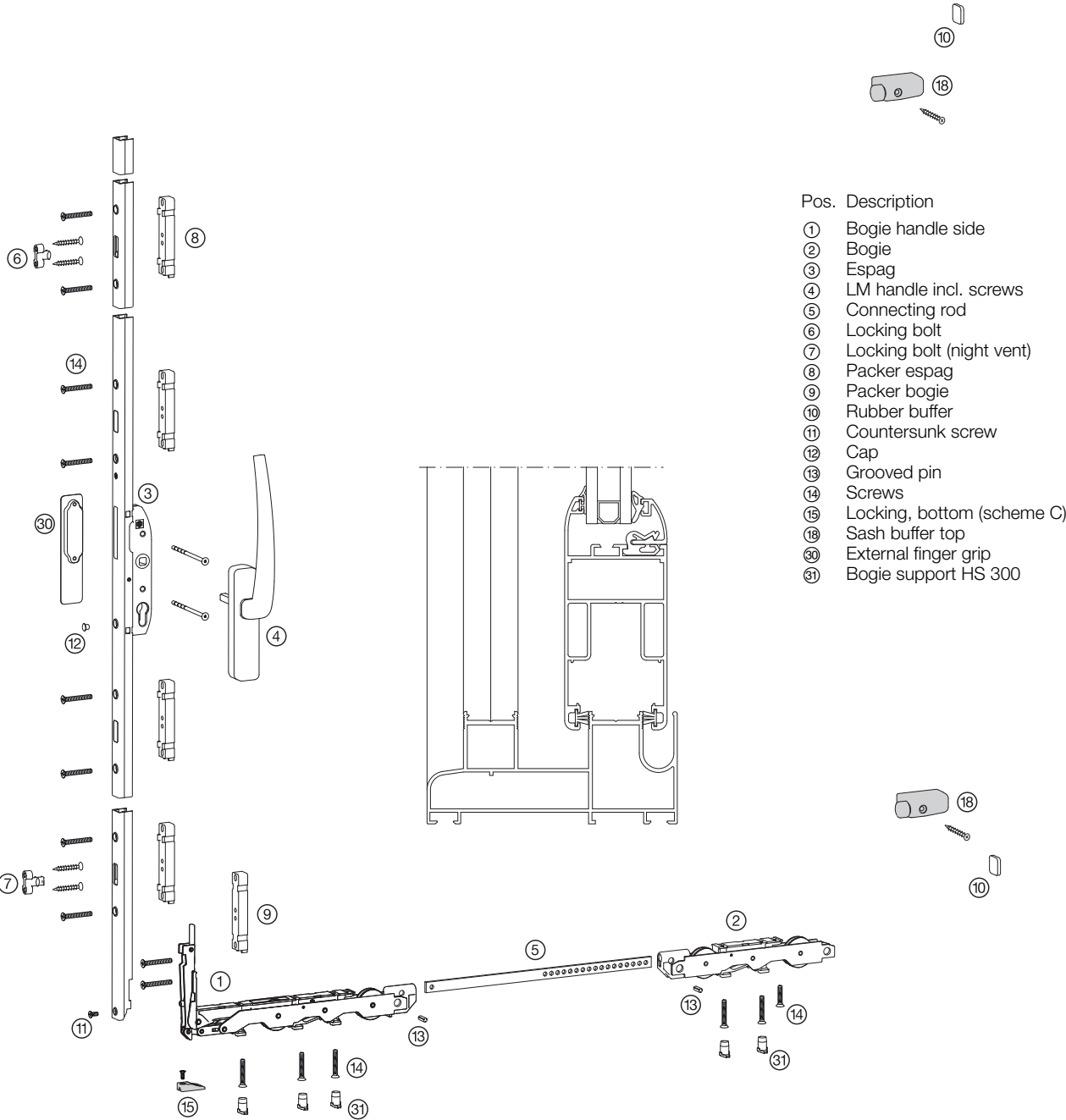
ATRIUM Alu-HS® 300, Exal

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189368
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	186699
1	2		2		2	Locking bolt (night vent) ⑦	186675
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	189802



ATRIUM Alu-HS® 300, Extrugal



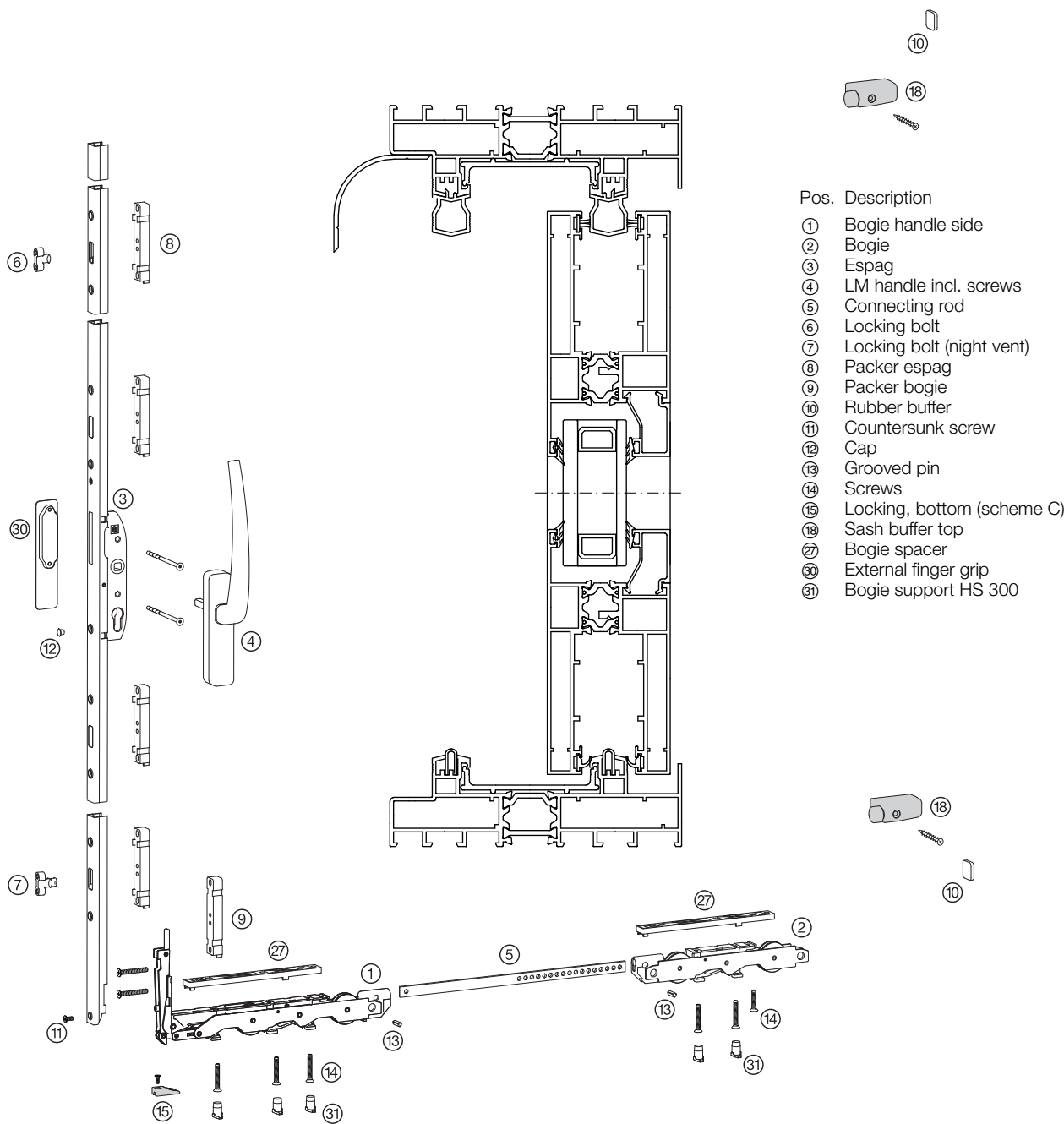


ATRIUM Alu-HS® 300, Extrugal

Items required for scheme

A	D	G	H	Article description			Item Code		
1	2	1	3	Carton bogies HS 300 ① ②			184575		
1	2	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑰			188636		
1	2	1	3	Carton LM handle (HAUTAU-Design) ④			EV1 185176	white 185170	brown 185173
1	2	1	3	Espag HS 300 ③	Size	FH	EV1		
					180	1200-1800	184307		
					210	1801-2100	184313		
					240	2101-2400	184319		
					270	2401-2700	184325		
1	2	1	3	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
					150	720-1500	184578		
					200	1501-2000	184581		
					250	2001-2500	184584		
					323	2501-3235	184587		
1	2	1	3	Packers ⑧ ⑨			189368		
2			2	Accessories sash buffer top ⑱			white 187480	black 187477	
1	2		2	Locking bolt ⑥			190588		
1	2		2	Locking bolt (night vent) ⑦			190594		
		1	1	Locking, bottom (scheme C) ⑮			186934		
1	2	1	3	Screws ⑭			189628		

ATRIUM Alu-HS® 300, Feal-Thermo 120



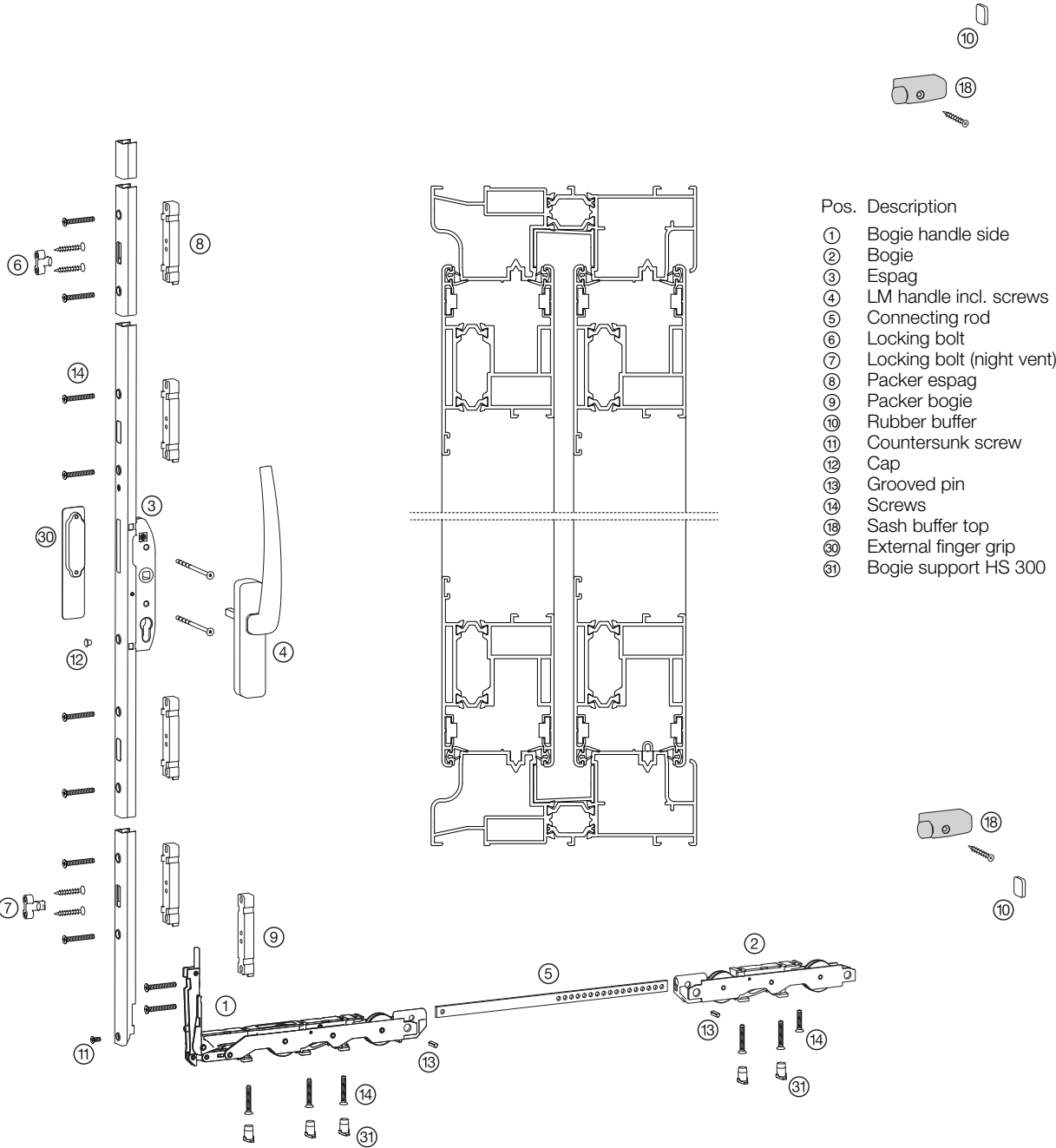


ATRIUM Alu-HS® 300, Feal-Thermo 120

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4			Carton bogies HS 300 ① ②	184575
1	2	2	4			Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4			Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 208420 white brown 208414 208417
1	2	2	4			Espag HS 300 ③	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4			Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4			Packers ⑧ ⑨	189553
	2		4			Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	214401
1	2		2		2	Locking bolt (night vent) ⑦	214404
		1	1			Locking bolt, scheme C (no ill.)	214410
		1	1			Locking bolt (night vent), scheme C (no ill.)	214413
	2	2	4			Bogie spacer ㉔	193069
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	214407

ATRIUM Alu-HS® 300, GALIPAN





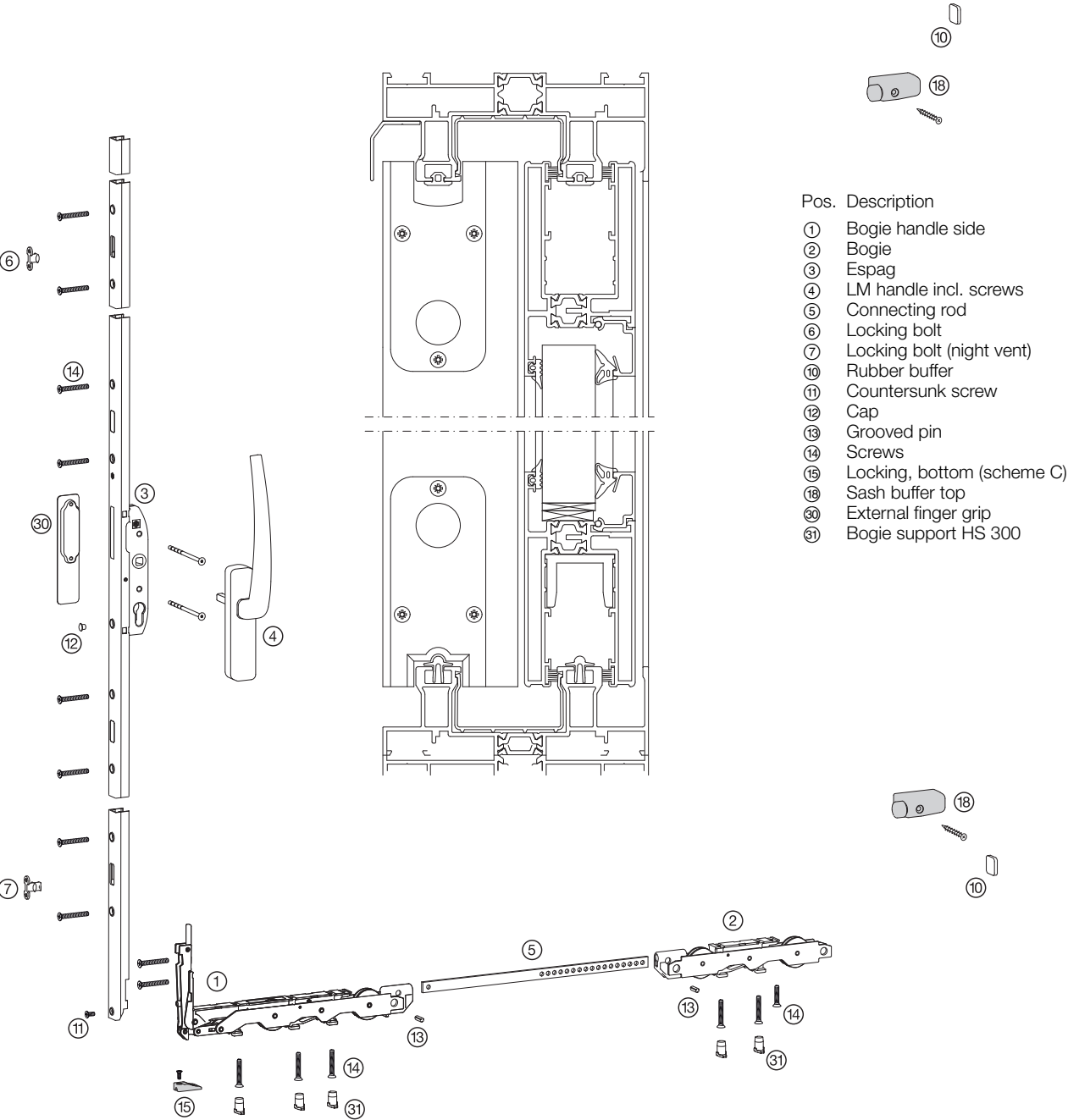
ATRIUM Alu-HS® 300, GALIPAN

Stück bei Schema

A	Article description			Item Code		
1	Carton bogies HS 300 ① ②			184575		
1	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳			188636		
1	Carton LM handle (HAUTAU-Design) ④ ㉔			EV1 185176	white 185170	brown 185173
1	Espag HS 300 ③	Size	FH	EV1		
		180	1200-1800	184307		
		210	1801-2100	184313		
		240	2101-2400	184319		
1	Connecting rod ⑤	270	2401-2700	184325		
		Size	FB	HAUTAU-S-Plus		
		150	720-1500	184578		
		200	1501-2000	184581		
1	Packers ⑧ ⑨	250	2001-2500	184584		
		323	2501-3235	184587		
1	Accessories sash buffer top ⑯			189038		
	Accessories sash buffer top ⑯			white 187480	black 187477	
1	Locking bolt ⑥			184797		
1	Locking bolt (night vent) ⑦			184737		
1	Screws ⑭			198057		



**ATRIUM Alu-HS® 300,
Gastaldello Sistemi EL 120 S**



ATRIUM Alu-HS® 300, Gastaldello Sistemi EL 120 S

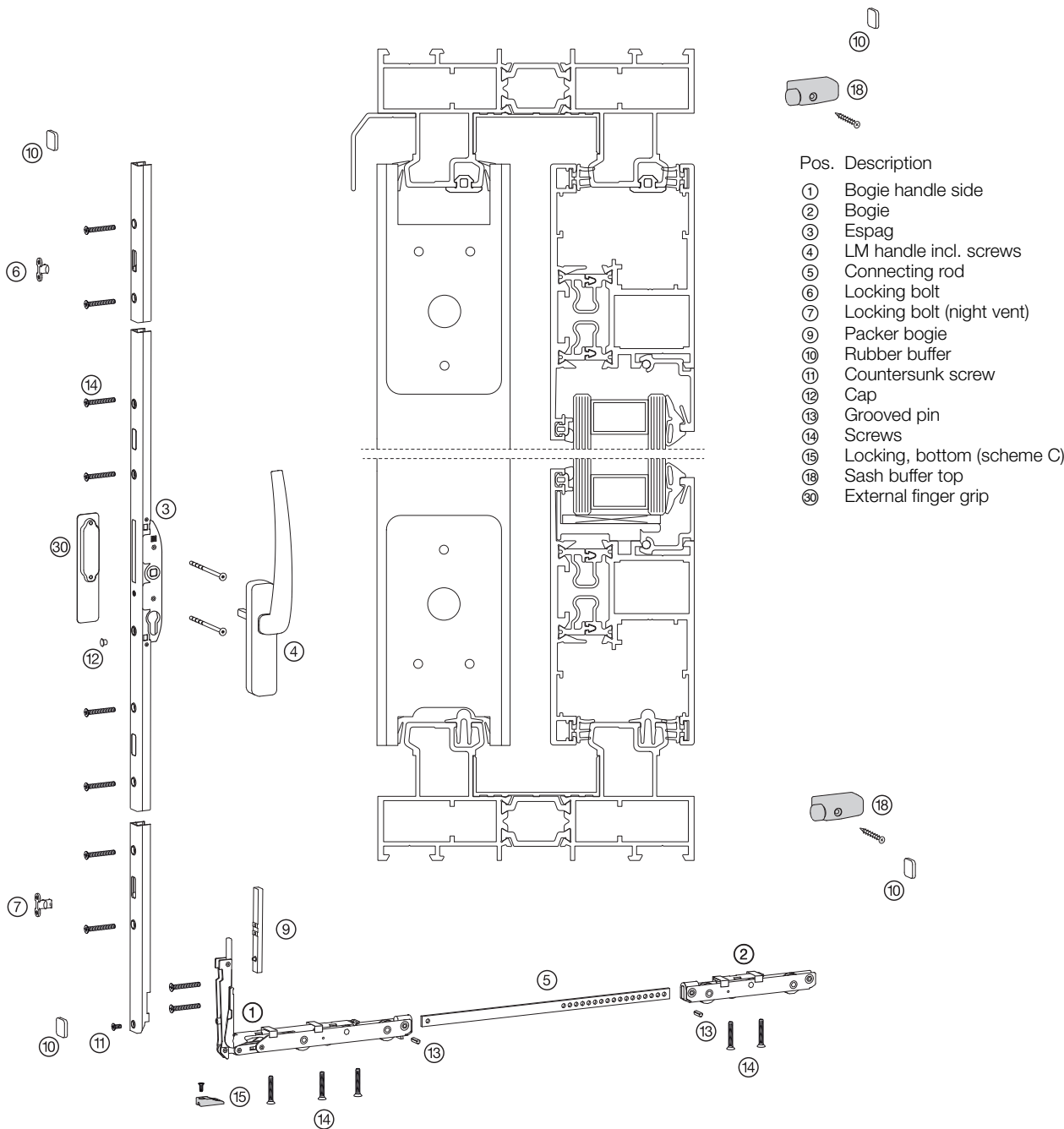
Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	189559
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑭	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③①	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 300 ⑤	Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700 EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤	Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235 HAUTAU-S-Plus 184578 184581 184584 184587
	2		4		2	Accessories sash buffer top ⑮	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184815
1	2		2		2	Locking bolt (night vent) ⑦	184755
		1	1			Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198057



ATRIUM Alu-HS® 200,

Gastaldello Sistemi EL 110 S





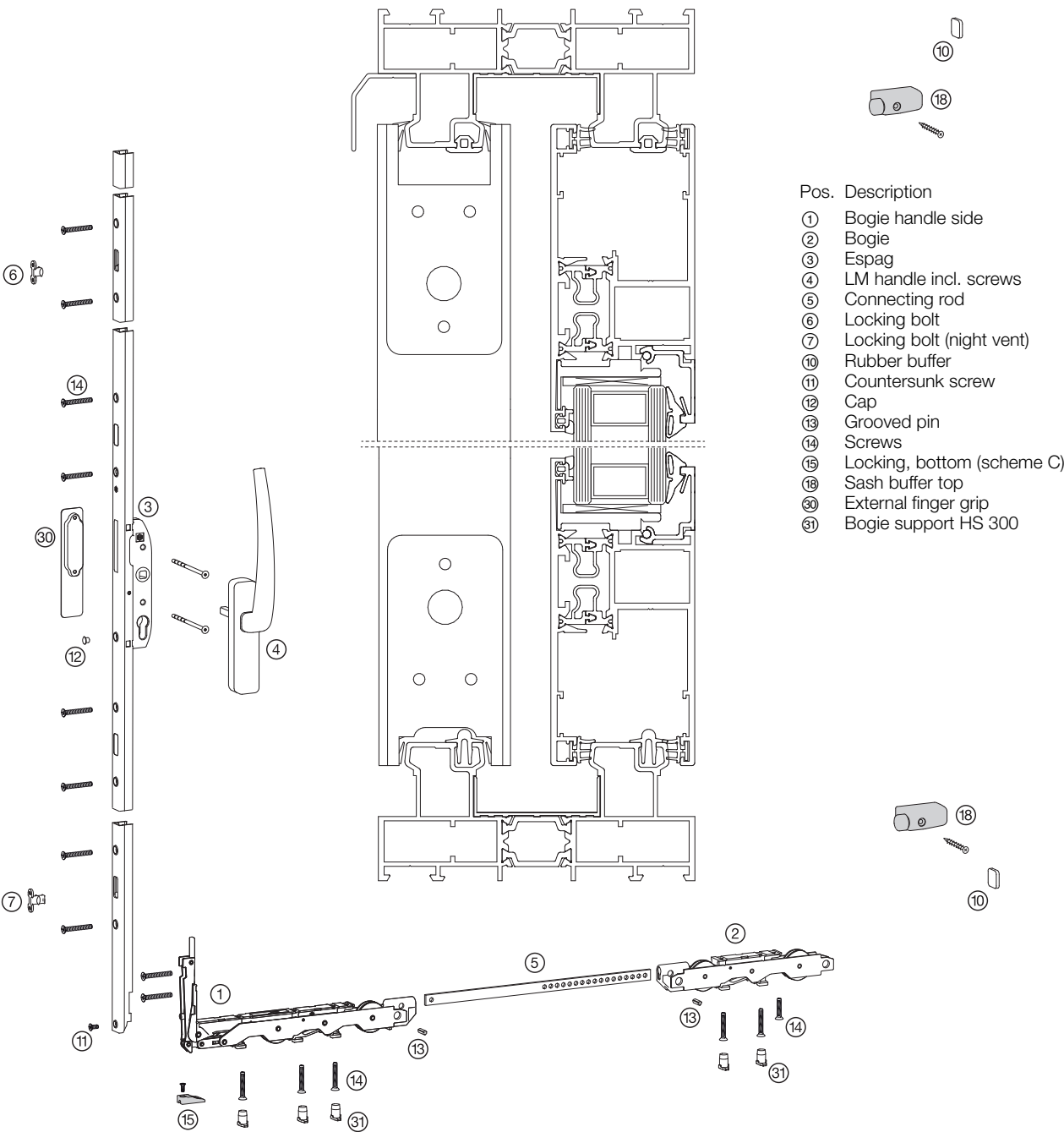
ATRIUM Alu-HS® 200,

Gastaldello Sistemi EL 110 S

Stück bei Schema

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 200 ① ②	193720
1	2	2	4	1	3	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬	189490
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ③①	EV1 185176 white brown 185170 185173
1	2	2	4	1	3	Espag HS 200 ③	EV1 C34
							185176 185173
							195419 195422
							195425 195428
							195431 195434
							195437 195440
1	2	2	4	1	3	Connecting rod ⑤	HAUTAU-S-Plus
							184578
							184581
							184584
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184815
1	2		2		2	Locking bolt (night vent) ⑦	184755
		1	1		1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198291
1	2	2	4	1	3	Packer bogie ⑨	196448

ATRIUM Alu-HS® 300, Gastaldello Sistemi EL 110 S



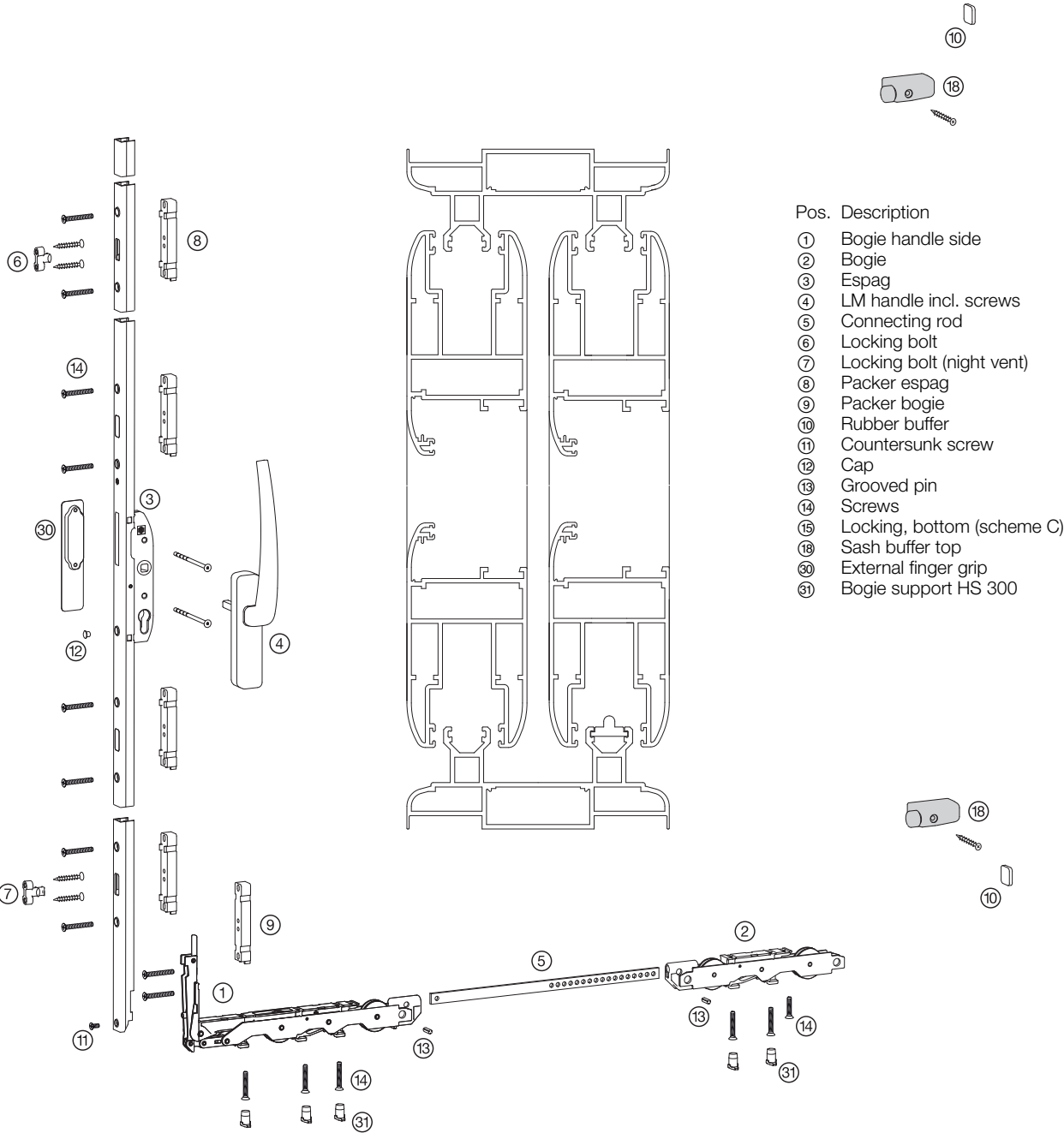


ATRIUM Alu-HS® 300, Gastaldello Sistemi EL 110 S

Stück bei Schema

A	C	Article description		Item Code		
1	2	Carton bogies HS 300 ① ②		189559		
1	2	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ③①		188636		
1	2	Carton LM handle (HAUTAU-Design) ④		EV1 185176	white 185170	brown 185173
1	2	Espag HS 300 ⑤	Size	FH		EV1
			180	1200-1800		184307
			210	1801-2100		184313
			240	2101-2400		184319
			270	2401-2700		184325
1	2	Connecting rod ⑤	Size	FB		HAUTAU-S-Plus
			150	720-1500		184578
			200	1501-2000		184581
			250	2001-2500		184584
			323	2501-3235		184587
		Accessories sash buffer top ⑮			white 187480	black 187477
1		Locking bolt ⑥			190327	
1		Locking bolt (night vent) ⑦			190321	
	1	Locking, bottom (scheme C) ⑮			186934	
1	2	Screws ⑭			189847	

ATRIUM Alu-HS® 300, Galisur GP-120



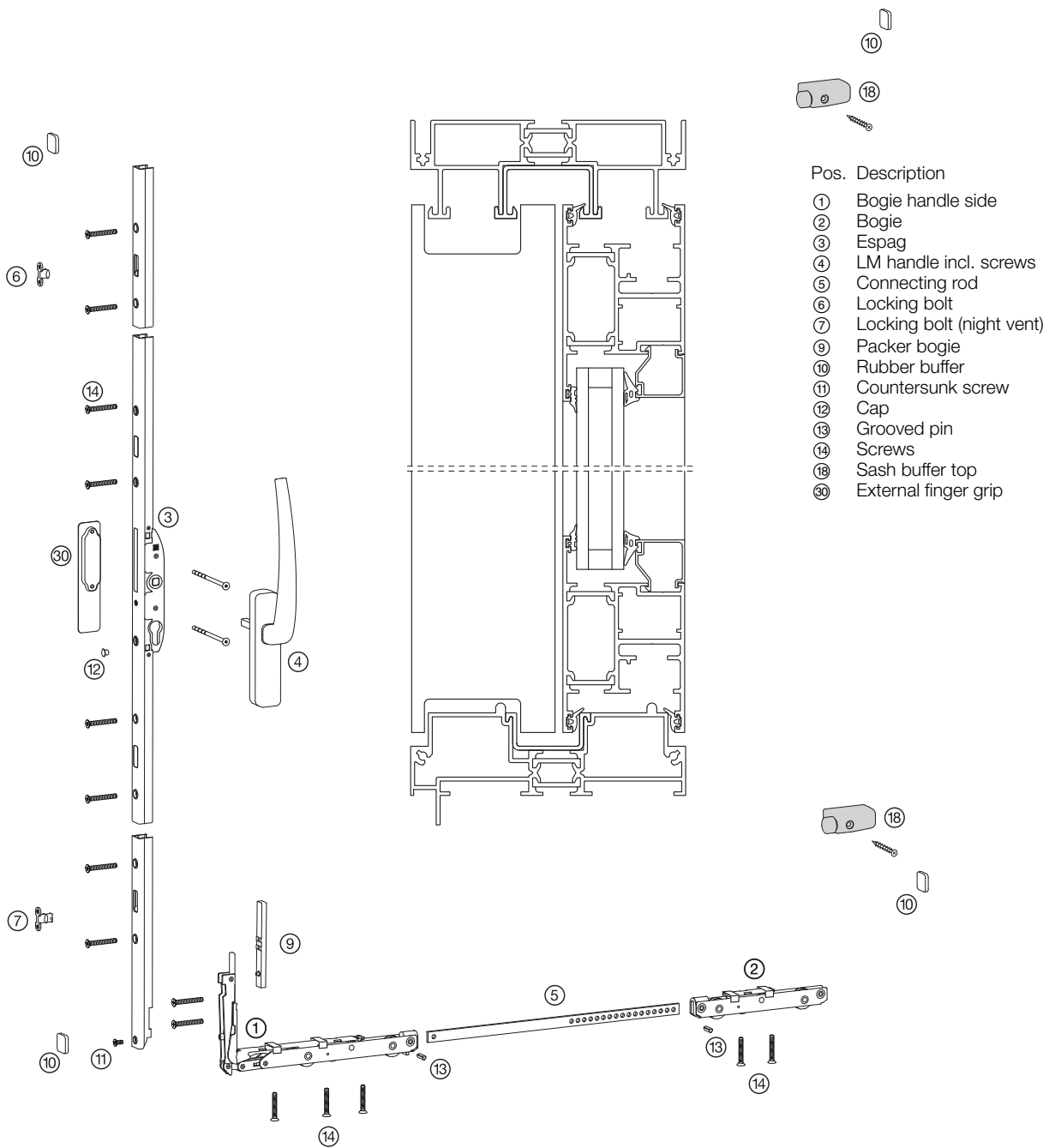


ATRIUM Alu-HS® 300, Galisur GP-120

Items required for scheme

A	D	C	F	G	H	Article description	Item Code
1	2	2	4	1	3	Carton bogies HS 300 ① ②	184575
1	2	2	4	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳	188636
1	2	2	4	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔	EV1 185176 white brown 185170 185170 185173
1	2	2	4	1	3	Espag HS 300 ③ Size FH 180 1200-1800 210 1801-2100 240 2101-2400 270 2401-2700	EV1 184307 184313 184319 184325
1	2	2	4	1	3	Connecting rod ⑤ Size FB 150 720-1500 200 1501-2000 250 2001-2500 323 2501-3235	HAUTAU-S-Plus 184578 184581 184584 184587
1	2	2	4	1	3	Packers ⑧ ⑨	189553
	2		4		2	Accessories sash buffer top ⑯	white black 187480 187477
1	2		2		2	Locking bolt ⑥	184815
1	2		2		2	Locking bolt (night vent) ⑦	184755
		1	1	1	1	Locking, bottom (scheme C) ⑮	186934
1	2	2	4	1	3	Screws ⑭	198057

**ATRIUM Alu-HS® 200,
Hueck Hartmann E 62 Socomal**



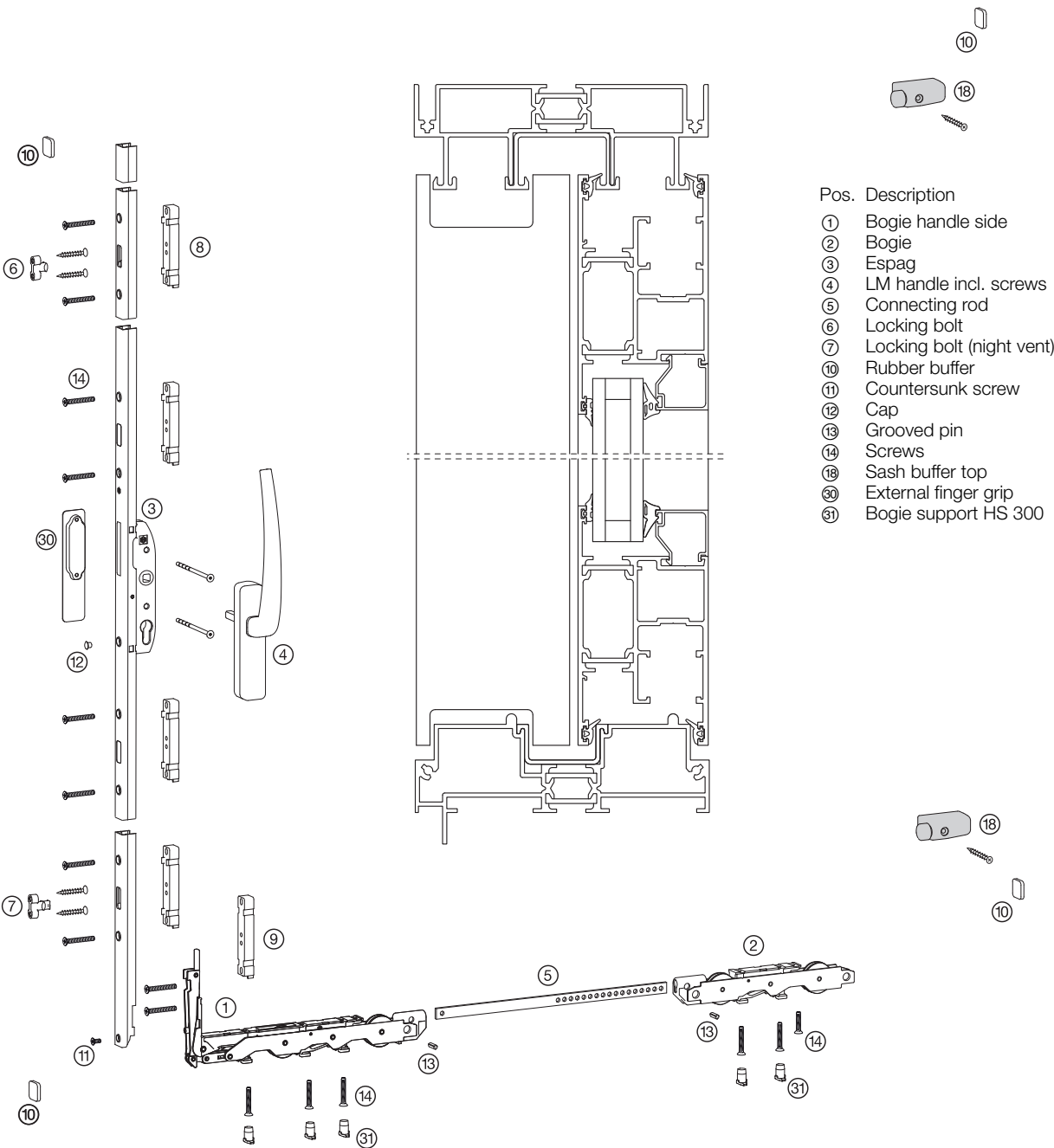


ATRIUM Alu-HS® 200, Hueck Hartmann E 62 Socomal

Stück bei Schema

A	D	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③①			EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 ③	Size	FH	EV1		
			180	1200-1800	195419		
			210	1801-2100	195425		
			240	2101-2400	195431		
			270	2401-2700	195437		
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
1	2	Packers ⑨			196436		
	2	Accessories sash buffer top ⑮			white 187480	black 187477	
1	2	Locking bolt ⑥			184779		
1	2	Locking bolt (night vent) ⑦			184719		
1	2	Screws ⑭			198291		

ATRIUM Alu-HS® 300, Hueck Hartmann E 62 Socomal



ATRIUM Alu-HS® 300, Hueck Hartmann E 62 Socomal

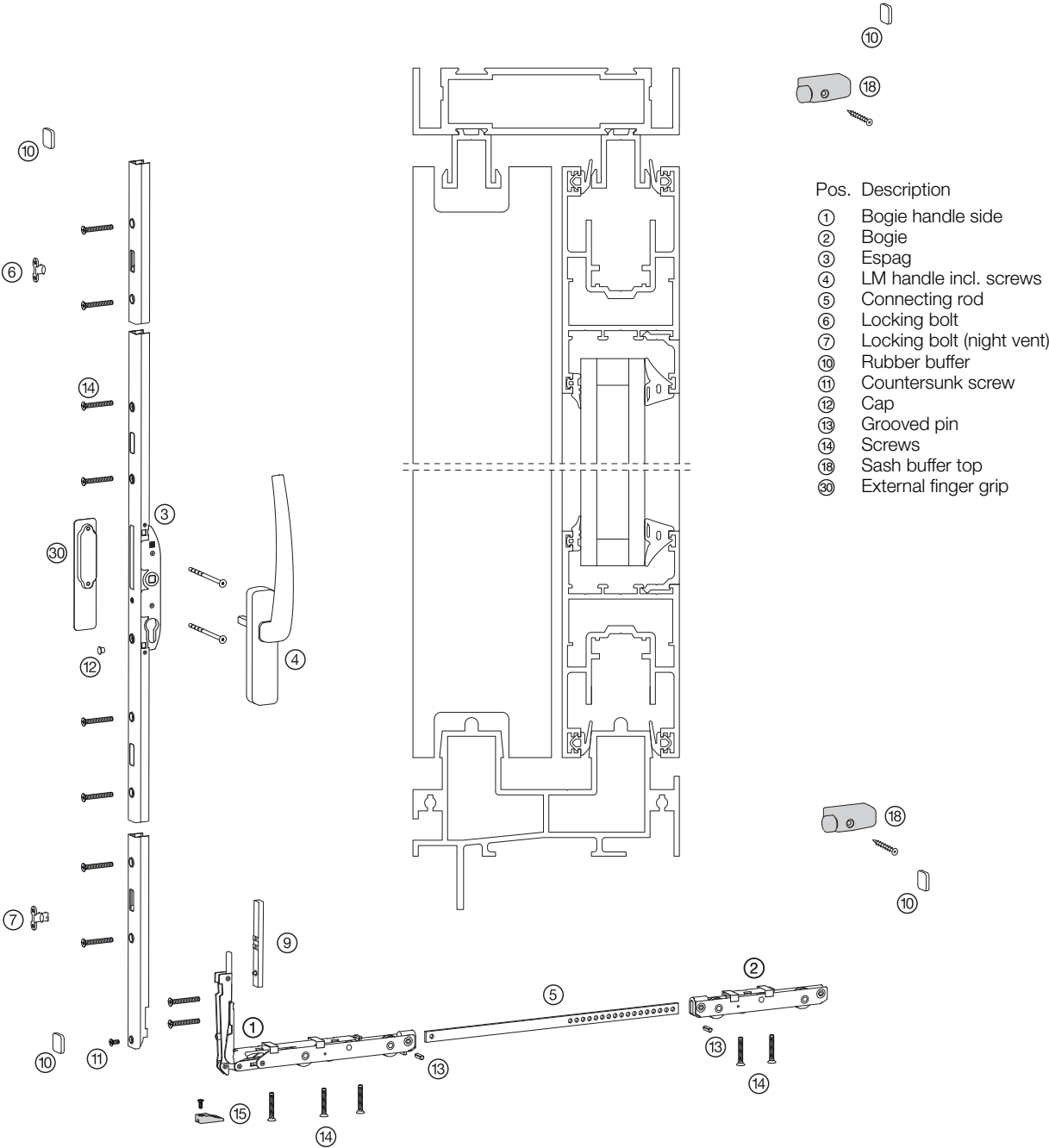
Stück bei Schema

A	D	Article description			Item Code		
1	2	Carton bogies HS 300 ① ②			184575		
1	2	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳			188636		
1	2	Carton LM handle (HAUTAU-Design) ④			EV1 185176	white 185170	brown 185173
1	2	Espag HS 300 ③	Size	FH	EV1		
			180	1200-1800	184307		
			210	1801-2100	184313		
			240	2101-2400	184319		
			270	2401-2700	184325		
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	720-1500	184578		
			200	1501-2000	184581		
			250	2001-2500	184584		
			323	2501-3235	184587		
1	2	Packers ⑧ ⑨			189368		
		Accessories sash buffer top ⑮			white 187480	black 187477	
1	2	Locking bolt ⑥			184779		
1	2	Locking bolt (night vent) ⑦			184719		
1	2	Screws ⑭			198057		



ATRIUM Alu-HS® 200,

Hueck Hartmann E 2000 Socomal



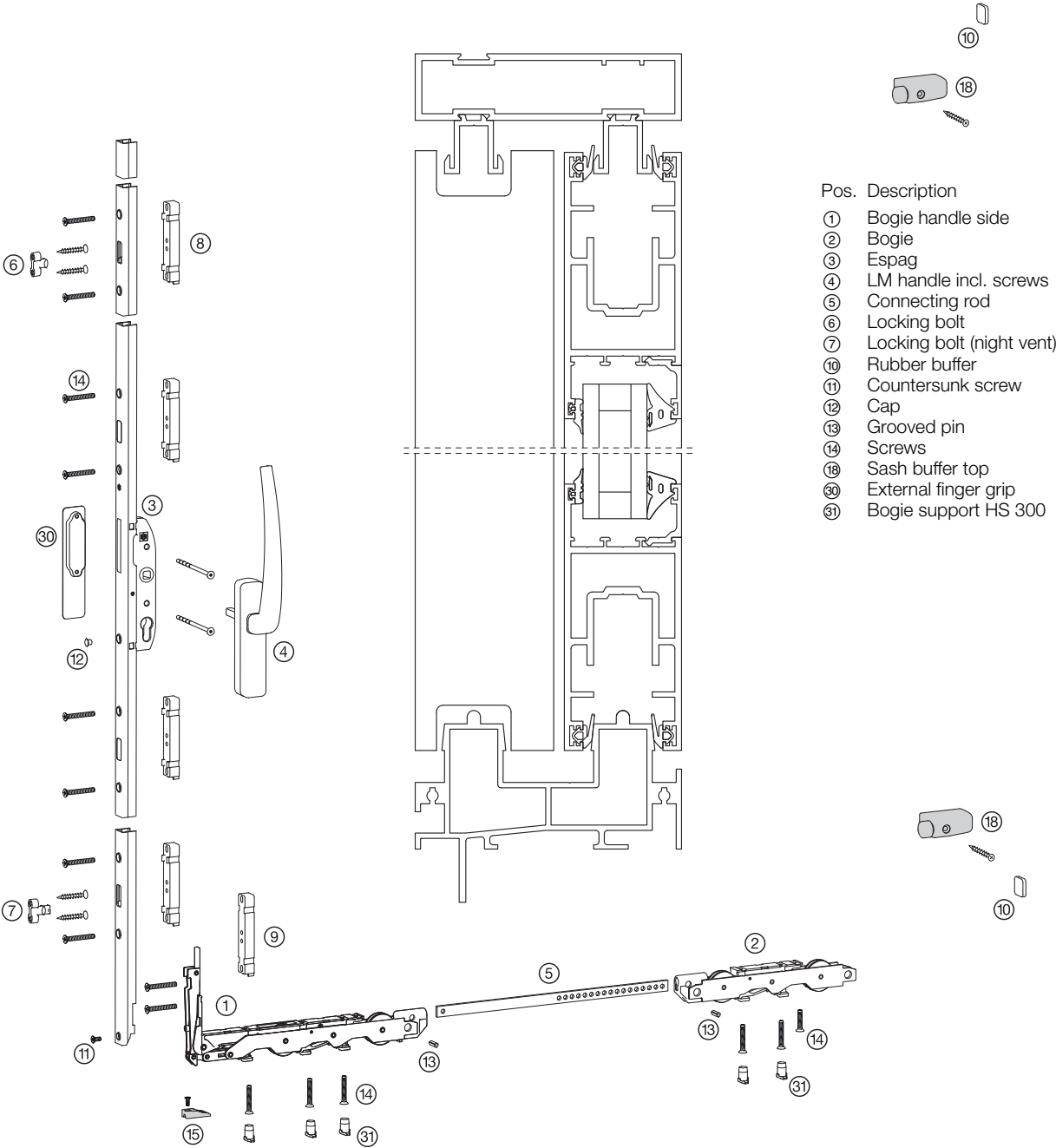


ATRIUM Alu-HS® 200, Hueck Hartmann E 2000 Socomal

Stück bei Schema

A	D	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③①			EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 ③	Size	FH	EV1		
			180	1200-1800	195419		
			210	1801-2100	195425		
			240	2101-2400	195431		
			270	2401-2700	195437		
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
1	2	Packers ⑨			196436		
	2	Accessories sash buffer top ⑱			white 187480	black 187477	
1	2	Locking bolt ⑥			184779		
1	2	Locking bolt (night vent) ⑦			184719		
1	2	Screws ⑭			195900		

ATRIUM Alu-HS® 300, Hueck Hartmann E 2000 Socomal





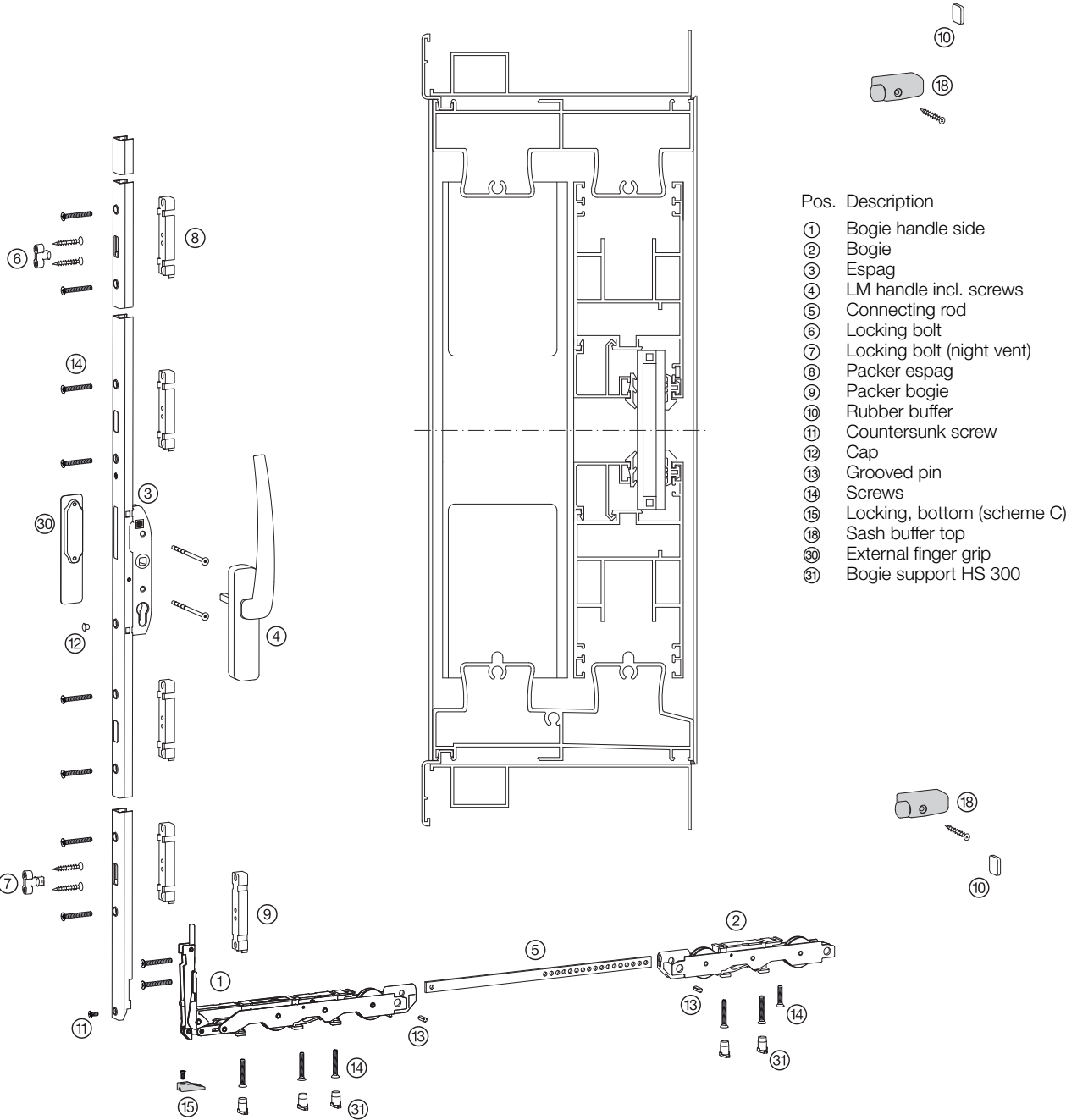
ATRIUM Alu-HS® 300,

Hueck Hartmann E 2000 Socomal

Stück bei Schema

A	D	Article description			Item Code		
1	2	Carton bogies HS 300 ① ②			184575		
1	2	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳			188636		
1	2	Carton LM handle (HAUTAU-Design) ④			EV1 185176	white 185170	brown 185173
1	2	Espag HS 300 ③	Size	FH	EV1		
			180	1200-1800	184307		
			210	1801-2100	184313		
			240	2101-2400	184319		
			270	2401-2700	184325		
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	720-1500	184578		
			200	1501-2000	184581		
			250	2001-2500	184584		
			323	2501-3235	184587		
1	2	Packers ⑧ ⑨			189368		
		Accessories sash buffer top ⑮			white 187480	black 187477	
1	2	Locking bolt ⑥			184779		
1	2	Locking bolt (night vent) ⑦			184719		
1	2	Screws ⑭			198057		

ATRIUM Alu-HS® 300, Laminex Titan





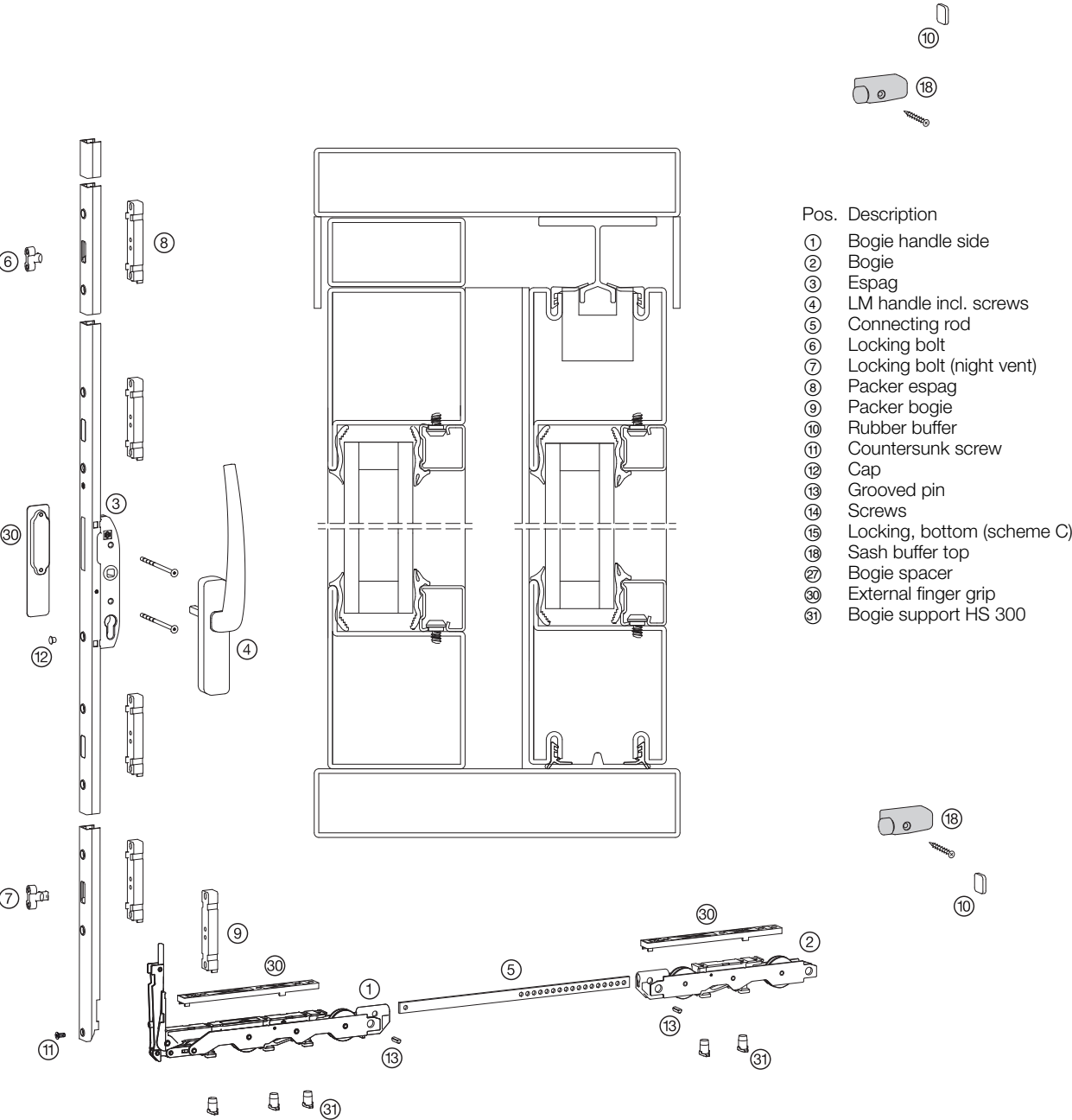
ATRIUM Alu-HS® 300, Laminex Titan

Items required for scheme

A	D	G	H	Article description		Item Code		
1	2	1	3	Carton bogies HS 300 ① ②		184575		
1	2	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳		188636		
1	2	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔		EV1 185176	white 185170	brown 185173
1	2	1	3	Espag HS 300 ③	Size	FH	EV1	
					180	1200-1800	184307	
					210	1801-2100	184313	
					240	2101-2400	184319	
1	2	1	3	Connecting rod ⑤	270	2401-2700	184325	
					Size	FB	HAUTAU-S-Plus	
					150	720-1500	184578	
					200	1501-2000	184581	
1	2	1	3	Packers ⑧ ⑨	250	2001-2500	184584	
					323	2501-3235	184587	
1	2	1	3	Accessories sash buffer top ⑯		white 187480	black 187477	
1	2		2	Locking bolt ⑥		184779		
1	2		2	Locking bolt (night vent) ⑦		184719		
		1	1	Locking, bottom (scheme C) ⑮		186934		
1	2	2	4	Screws ⑭		198105		



ATRIUM Alu-HS® 300, Palladio



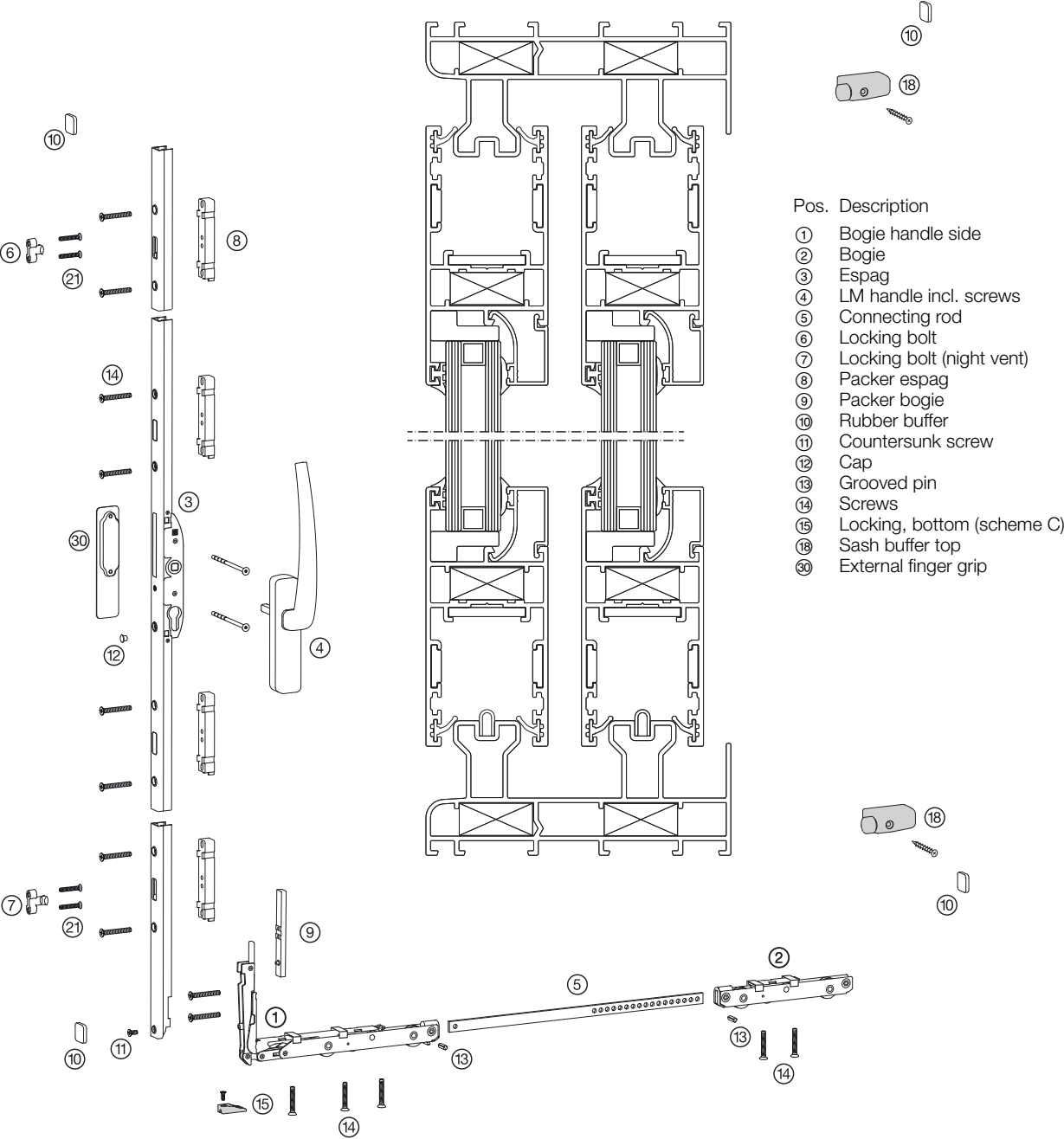


ATRIUM Alu-HS® 300, Palladio

Stück bei Schema

A	Article description			Item Code		
1	Carton bogies HS 300 ① ②			184575		
1	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳			188636		
1	Carton LM handle (HAUTAU-Design) ④ ㉔			EV1 185176	white 185170	brown 185173
1	Espag HS 300 ③	Size	FH	EV1		
		180	1200-1800	184307		
		210	1801-2100	184313		
		240	2101-2400	184319		
		270	2401-2700	184325		
1	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
		150	720-1500	184578		
		200	1501-2000	184581		
		250	2001-2500	184584		
		323	2501-3235	184587		
1	Packers ⑧ ⑨			197330		
	Accessories sash buffer top ⑯			white 187480	black 187477	
1	Locking bolt ⑥			190327		
1	Locking bolt (night vent) ⑦			190321		
2	Bogie spacer ㉓			186687		

ATRIUM Alu-HS® 200, Perfiles Valencia

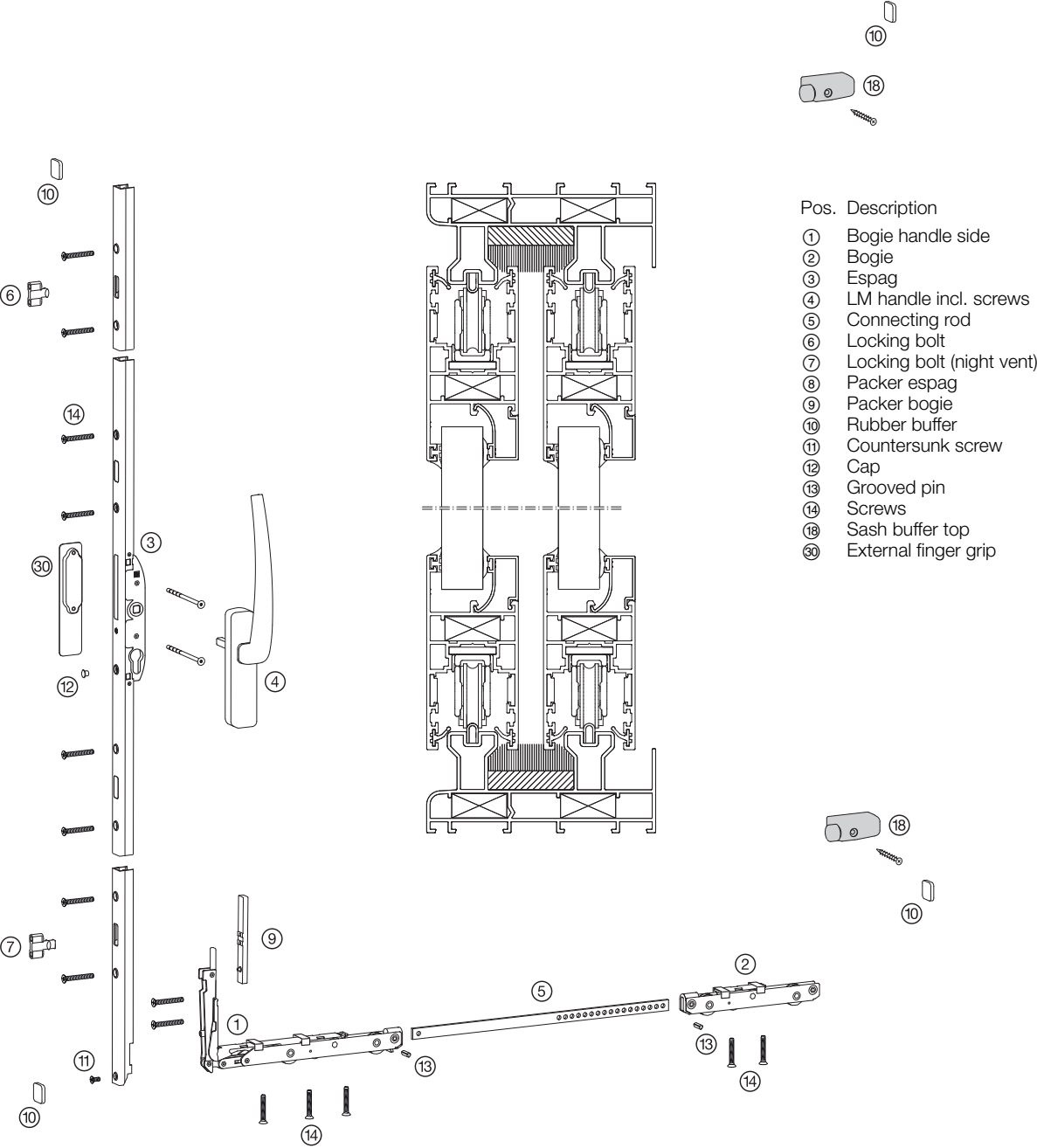


ATRIUM Alu-HS® 200, Perfiles Valencia

Stück bei Schema

A	C	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③④			EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 ③	Size	FH	EV1	C34	
			180	1200-1800	195419	195422	
			210	1801-2100	195425	195428	
			240	2101-2400	195431	195434	
			270	2401-2700	195437	195440	
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
1	2	Packers ⑧ ⑨			198027		
		Accessories sash buffer top ⑱			white 187480	black 187477	
1	1	Locking bolt ⑥			184809		
1	1	Locking bolt (night vent) ⑦			184749		
	1	Locking, bottom (scheme C) ⑮			186934		
1	2	Screws ⑭			198285		

ATRIUM Alu-HS® 200, Sopena



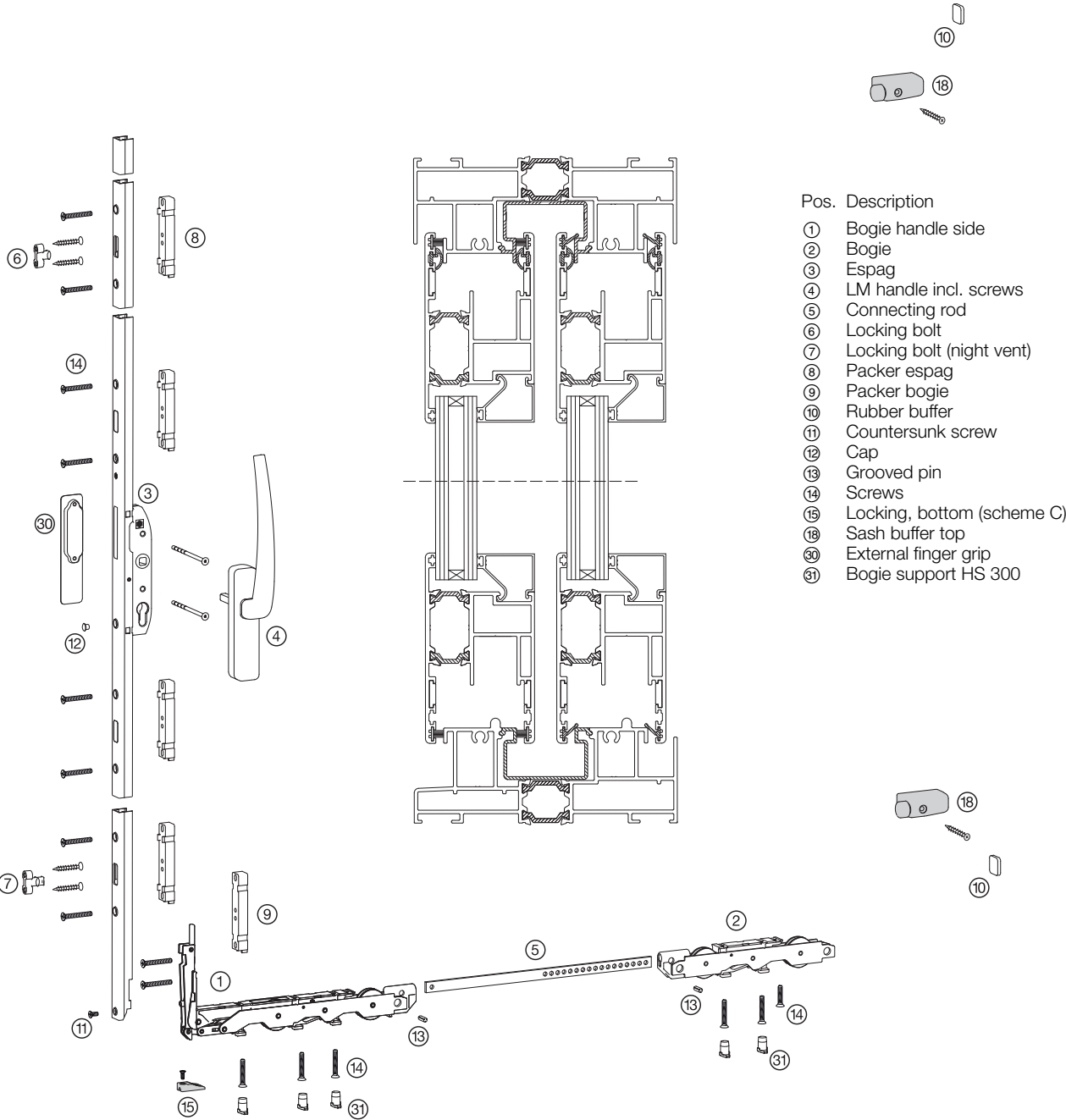


ATRIUM Alu-HS® 200, Sopena

Stück bei Schema

A	C	Article description			Item Code		
1	2	Carton bogies HS 200 ① ②			193720		
1	2	Accessories Alu-HS 200 ⑩ ⑪ ⑫ ⑬			189490		
1	2	Carton LM handle (HAUTAU-Design) ④ ③⑨			EV1 185176	white 185170	brown 185173
1	2	Espag HS 200 ③	Size	FH	EV1		
			180	1200-1800	195419		
			210	1801-2100	195425		
			240	2101-2400	195431		
			270	2401-2700	195437		
1	2	Connecting rod ⑤	Size	FB	HAUTAU-S-Plus		
			150	650-1360	184578		
			200	1361-1860	184581		
			250	1861-2360	184584		
		Accessories sash buffer top ⑮			white 187480	black 187477	
1	1	Locking bolt ⑥			184815		
1	1	Locking bolt (night vent) ⑦			184755		
	1	Packer bogie ⑨			196439		
1	2	Screws ⑭			198285		

ATRIUM Alu-HS® 300, Sopena



ATRIUM Alu-HS® 300, Sopena

Items required for scheme

A	D	G	H	Article description		Item Code		
1	2	1	3	Carton bogies HS 300 ① ②		184575		
1	2	1	3	Accessories Alu-HS 300 ⑩ ⑪ ⑫ ⑬ ⑳		188636		
1	2	1	3	Carton LM handle (HAUTAU-Design) ④ ㉔		EV1 185176	white 185170	brown 185173
1	2	1	3	Espag HS 300 ③	Size	FH	EV1	
					180	1200-1800	184307	
					210	1801-2100	184313	
					240	2101-2400	184319	
1	2	1	3	Connecting rod ⑤	270	2401-2700	184325	
					Size	FB	HAUTAU-S-Plus	
					150	720-1500	184578	
					200	1501-2000	184581	
1	2	1	3	Packer ⑧ ㉑	250	2001-2500	184584	
					323	2501-3235	184587	
1	2	1	3	Accessories sash buffer top ⑯		white 187480	black 187477	
1	2		2	Locking bolt ⑥		184779		
1	2		2	Locking bolt (night vent) ⑦		184719		
		1	1	Locking, bottom (scheme C) ⑮		186934		
1	2	2	4	Screws ⑭		198105		



Notes

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

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