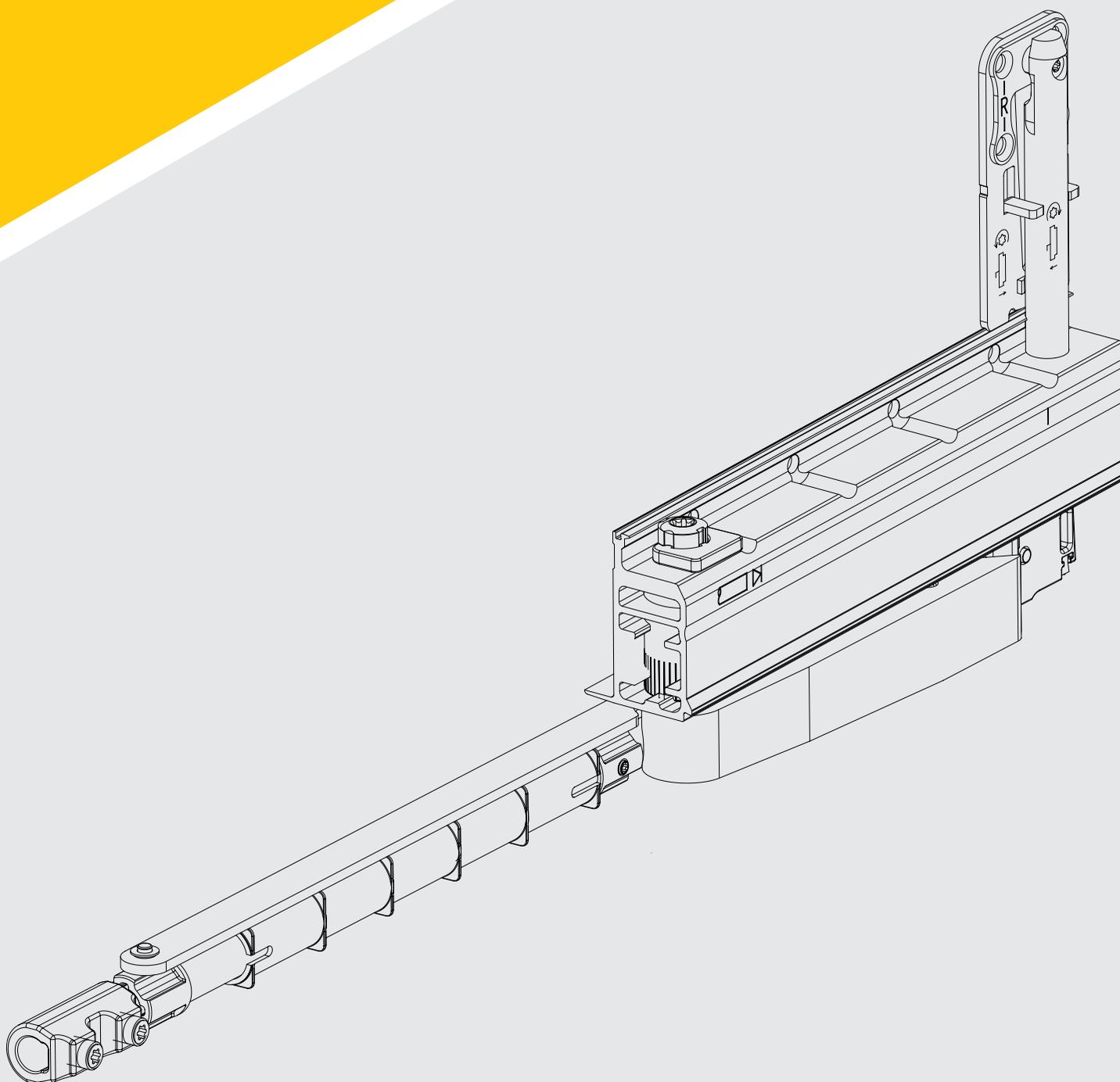


ATRIUM® SP
komfort
retract and slide



HARDWARE CATALOGUE 2018
TIMBER/PVC

Parallel-Retract-Slide Fittings

ATRIUM SP® komfort

Version 08/2017

You will find the latest catalogue version online
on www.HAUTAU.de

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IBAN: DE19255914130645273600 · SWIFT: GENODEF1BCK

Postbank Hannover (Routing No. 25010030) Account 3887-305
IBAN: DE63250100300003887305 · SWIFT: PBNKDEFF250

Sales Tax ID: DE 811 213 544

Printed in Germany · Reprint, even in excerpts, not without the publisher's approval.

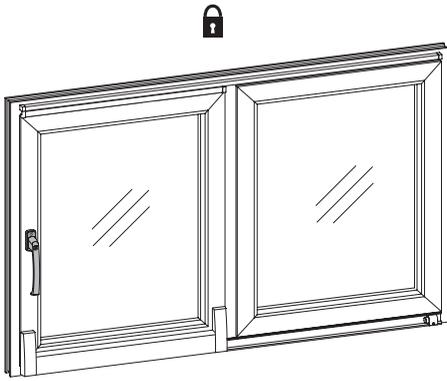
In consideration of progress, we reserve the right to apply construction modifications and to consequently change any figures, dimensions, weight specifications etc. The figures do not show items in their actual size and are also not of the same proportion.

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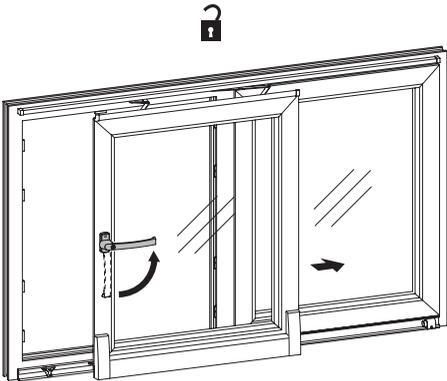
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* You will find the relevant certificates at www.HAUTAU.de

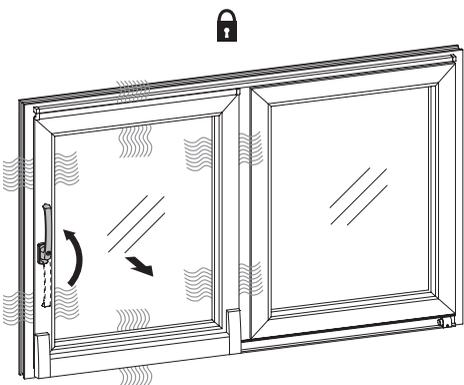
HAUTAU ATRIUM SP® komfort for parallel retract and slide elements made of timber or PVC with sash weight of up to 200 kg



close position



slide position



night vent position

Unique comfort

The innovative and patented soft close mechanism of our ATRIUM SP® komfort automatically moves the sash to its closed position. Its intelligent stay system allows this product to open and close the sash smoothly and noiselessly.

ATRIUM SP® komfort is the superior fitting for high quality sliding elements.

Reliable operation

The innovative design of stays and bogies does away with faulty operations and – the need to implement any additional safety devices against incorrect operation. The operation of this sliding sash is intuitive and safe - even if different users operate the sash. An absorber built into the stay system minimises the risk of sustaining crushing injuries.

Healthy ventilation with superior security

Thanks to its all-around night ventilation feature, this sliding element will keep your rooms safe even if you are not at home. The ATRIUM SP® komfort was subjected to manual burglary attempts as specified in 1627:2011 for resistance category RC2. The test result confirms that this product meets all requirements in accordance with EN 1627:2011 and as required for RC2 – even when used for night ventilation. The ventilation position is not visible from the outside. A natural exchange of air provides for a wholesome living climate and prevents the growth of mould.

Tried and tested

ATRIUM SP® komfort is also equipped with:

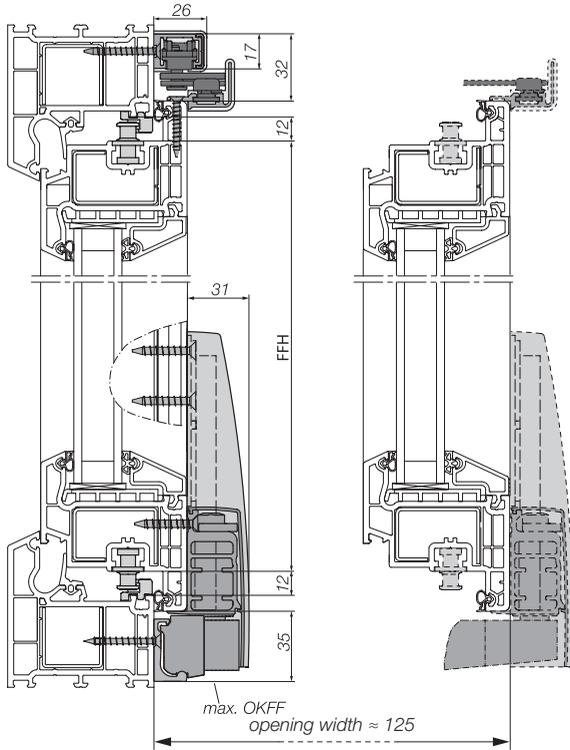
- Bogies and a stay system that allows for opening widths of up to 125 mm in highly efficient heat insulating window systems.
- Cleaning brushes ensure a long lifespan and smooth operation.
- The smoothly operating roller cam HAUTAU URZ adjusts automatically to any fittings cavity tolerances and ensures permanent convenient operation.
- Fitting parts are pre-assembled and locked in centre position to provide for easy installation.
- TWIN bogies for sash weight of up to 200 kg

Tested and certified

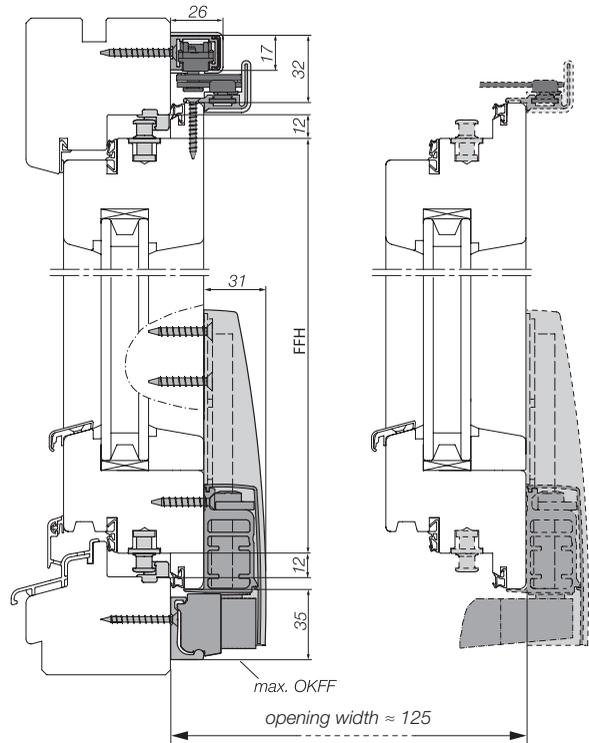
The faultless permanent operation of the ATRIUM SP® komfort as required by standard EN 13126-17 was tested by a notified testing institute, which subjected the product to 25,000 cycles and grouped it in the best-performing category. The consistent quality of the product is monitored as part of certification programme QM 347, which is applied by the ift Rosenheim Institute.

Classification in accordance with evidence as per EN 13126-17								
1	2	3	4	5	6	7	8	9
category of use	durability	mass (kg)	fire resistance	safety in use	corrosion resistance	security	appl. part	test size (mm)
-	5	160	0	1	3	-	17	1200 mm/2000 mm

Range of application ATRIUM SP® komfort ATRIUM SP® komfort TWIN



Vertical section PVC



Vertical section timber

Sash weight up to 160 kg

Sash rebate width (FFB) 750 to 1650 mm
Sash rebate height (FFH) 650 to 2350 mm
Sash weight max.: 160 kg

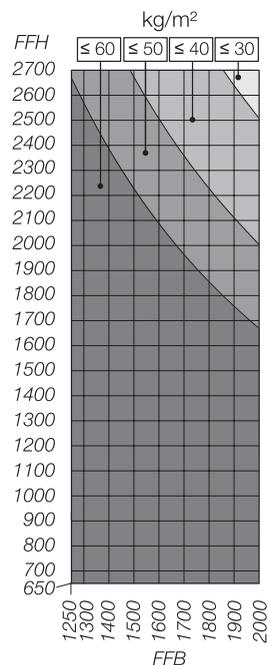
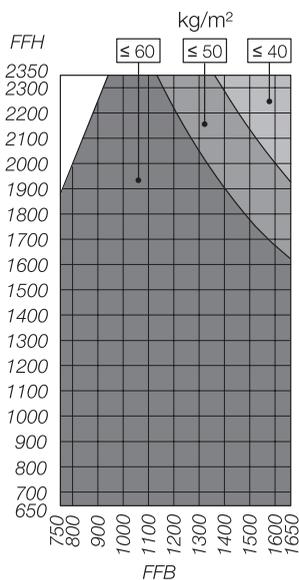
with night ventilation: Dimension between axes 13 mm and axes 9 mm

Sash weight up to 200 kg

Sash rebate width (FFB) 1250 to 2000 mm
Sash rebate height (FFH) 650 to 2700 mm
Sash weight max.: 200 kg

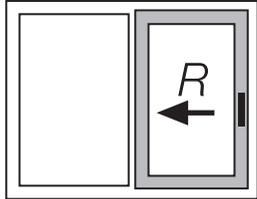
with night ventilation: Dimension between axes 13 mm and axes 9 mm

FFH : FFB = max 2,5 : 1

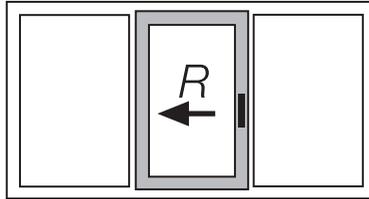


Sash arrangements

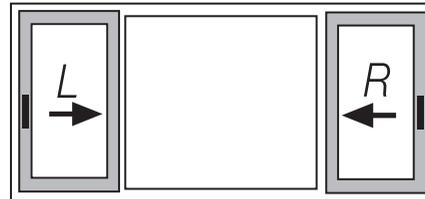
Frames with solid glazing or side hung sashes Schemes A, G, K, C and C*



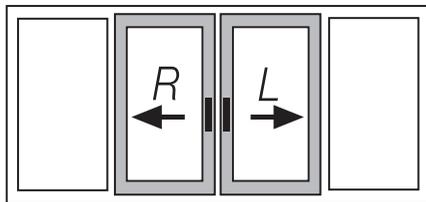
Scheme A
Two-part element:
1 sliding sash (L or R)



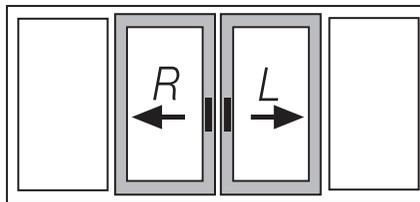
Scheme G
Three-part element:
1 sliding sash (L or R)



Scheme K
Three-part element:
2 sliding sashes (L or R)



Scheme C
Four-part element:
2 sliding sashes (L or R)
with mounting posts between the sliding sashes



Scheme C*
Four-part element:
2 sliding sashes (L or R),
without mounting posts between the sliding sashes

HAUTAU desing left = DIN EN 12519 right
HAUTAU design right = DIN EN 12519 left

Text for invitations of tenders ATRIUM SP® komfort parallel-retract-slide fitting with soft close mechanism and secured night ventilation

- Automatic soft-close retraction of the sash into the frame thanks to energy storage units at the top and the bottom
- Concealed central locking gear with adjustable height and adjustable universal locking cam (URZ) closing pressure including secured, all-around night vent position
- Parallel-retract-slide opening width: ≈ 125 mm

Range of application

for windows and doors made of timber or PVC

Sash weight max. 160 kg

Sash rebate width (FFB) 750 to 1650 mm
Sash rebate height (FFH) 650 to 2350 mm
Sash weight max.: 160 kg

Sash weight max. 200 kg (TWIN)

Sash rebate width (FFB) 1250 to 2000 mm
Sash rebate height (FFH) 650 to 2700 mm
Sash weight max.: 200 kg

Space requirement (frame dimensional tolerance):
35 mm running rail, bottom

Order details and packing units

Packing unit	ATRIUM SP® komfort	
Basic carton	left or right / left TWIN or right TWIN	
Carton of corner		
Handle		
Frame parts:	with night ventilation	without night ventilation (scheme C)
Strikers for night vent position	Accessories left or right	
Strikers (also available as security strikers)	Accessories, also available as unit pack or bulk pack as specified in table	
Stroke limiting stop		
Horizontal locking	FFB 750 - 900 mm FFB 901 - 1250 mm FFB 1251 - 1650 mm FFB 1651 - 2000 mm (only TWIN)	
Vertical locking	FFH 650 - 1100 mm FFH 1101 - 1450 mm FFH 1451 - 1900 mm FFH 1901 - 2350 mm FFH 2351 - 2700 mm (only TWIN)	
Set of rails	FFB 900 mm FFB 1050 mm FFB 1250 mm FFB 1450 mm FFB 1650 mm FFB 2000 mm (only TWIN)	
Stay system and holdind rail set	FFB 750 - 900 mm FFB 901 - 1250 mm FFB 1251 - 1650 mm FFB 1651 - 2000 mm (only TWIN) left or right	

Colour information

	Design EV 1/silver	Design traffic white	Design creme white	Design brown	Design medium bronze
Guiding rail	EV 1* natural anodised	EV 1* natural anodised	EV 1* natural anodised	EV 1* natural anodised	EV 1* natural anodised
Running rail	EV 1* natural anodised	EV 1* natural anodised	EV 1* natural anodised	C 34 dark bronze anodised	C 33 med. bronze anodised
Holding rail and cover profile	silver coated	RAL 9016 traffic white coated	RAL 9001 creme white coated	Hue 8077 brown coated	C 33 med. bronze coated
Screw cover profile and end caps	colour-matched				

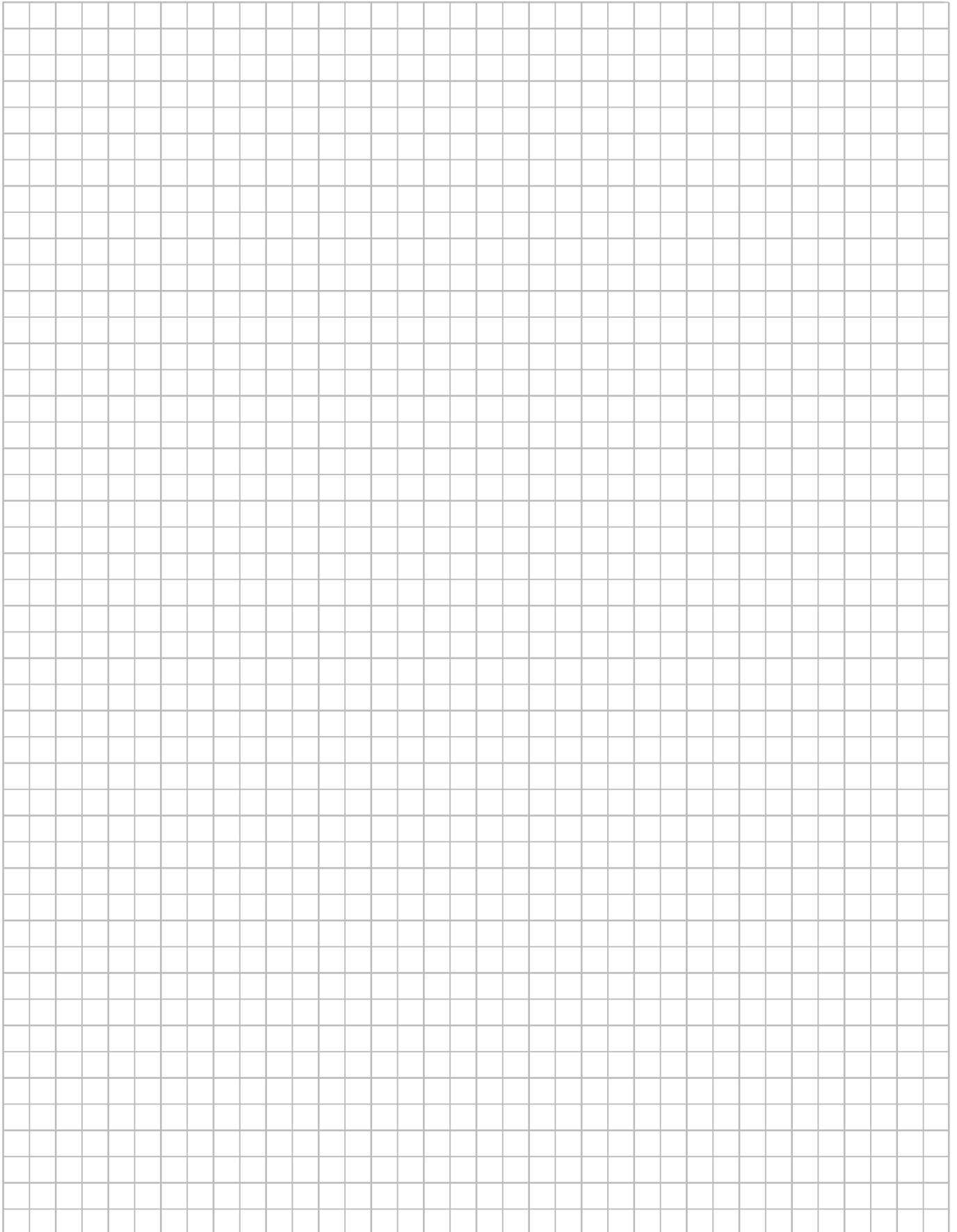
* EV 1 corresponds to C 0

Overview - contents of the packing units

	<p>1x ①</p> <p>1x ②</p>	<p>2x ③</p>	
	<p>4x ⑱ A13</p> <p>4x ⑲a A9</p>	<p>2x ③</p> <p>1x ①a</p> <p>1x ②a</p> <p>FG > 160 kg</p>	
	<p>1x ⑨</p> <p>2x M5 x 40</p> <p>1x ⑩</p>	<p>with HAUTAU locking components only</p>	
	<p>4x ⑬b</p> <p>A* ⑬</p> <p>A* ⑭</p>	<p>*A = variable number</p>	
	<p>2x ③②</p>	<p>2x ③③</p> <p>FFB > 1650</p>	
	<p>1x ②⑧</p> <p>1x ③①</p>	<p>4x ③③</p> <p>FFH > 2350</p>	
	<p>1x ④⑧a</p> <p>1x ②⑥</p> <p>1x ③⑧</p>	<p>1x ④②</p> <p>1x ④③</p>	
	<p>1x ③⑤</p> <p>1x ③⑥</p> <p>1x ③⑦</p> <p>1x ③⑨</p> <p>1x ④⑦</p> <p>1x ④⑥</p> <p>1x ④⑧</p> <p>2x ④①</p> <p>1x ⑤①</p> <p>1x ④</p> <p>1x ⑤②</p> <p>2x ④</p>	<p>1x ④④</p> <p>1x ④⑤</p> <p>FFB > 1450</p>	

In general: the components shown do not represent all possible alternatives.

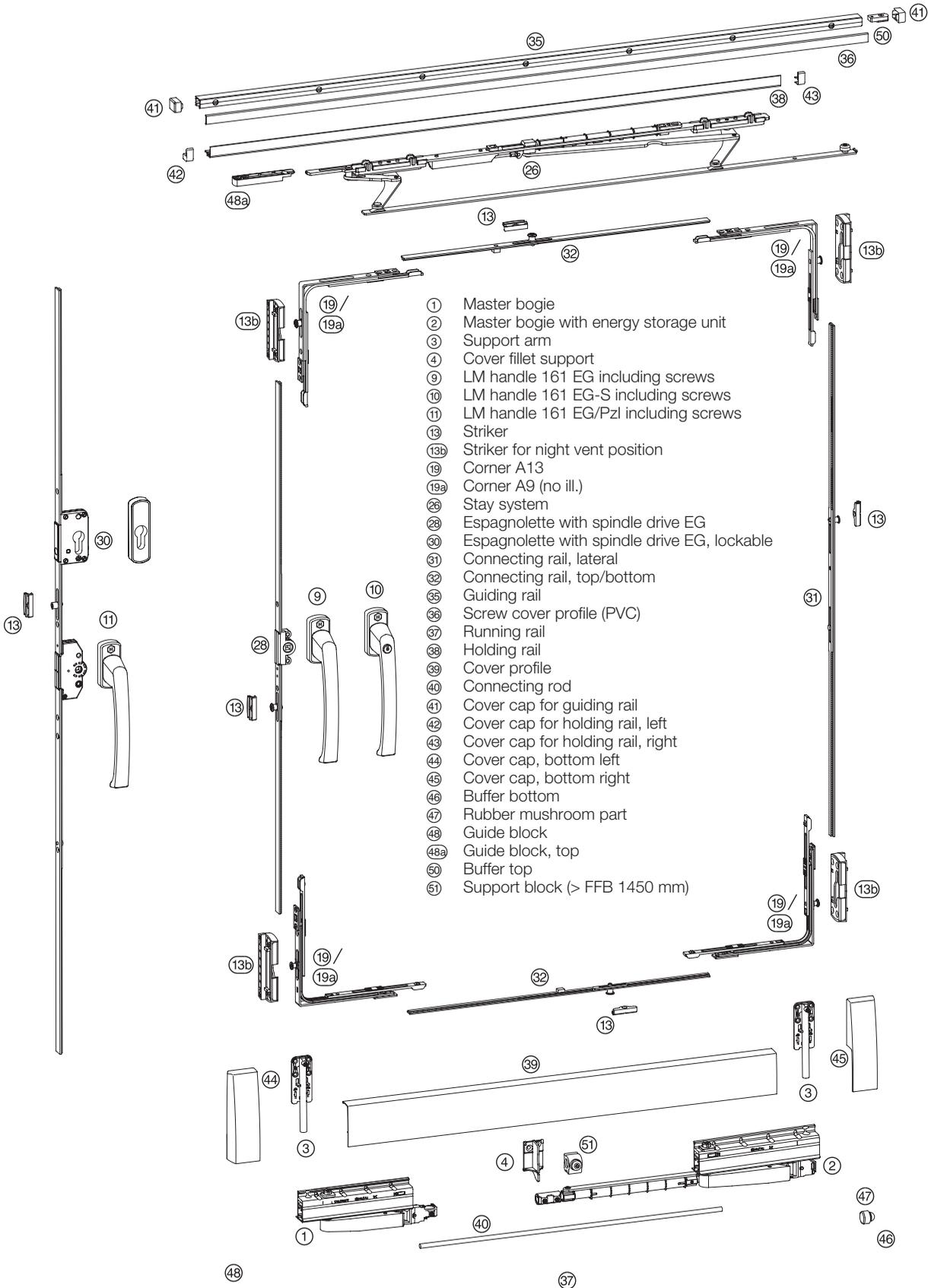
Notes



ATRIUM SP® komfort

160 kg

A9/A13



- ① Master bogie
- ② Master bogie with energy storage unit
- ③ Support arm
- ④ Cover fillet support
- ⑨ LM handle 161 EG including screws
- ⑩ LM handle 161 EG-S including screws
- ⑪ LM handle 161 EG/Pzl including screws
- ⑬ Striker
- ⑬b Striker for night vent position
- ⑱ Corner A13
- ⑱a Corner A9 (no ill.)
- ⑳ Stay system
- ㉔ Espagnolette with spindle drive EG
- ㉕ Espagnolette with spindle drive EG, lockable
- ㉖ Connecting rail, lateral
- ㉗ Connecting rail, top/bottom
- ㉘ Guiding rail
- ㉙ Screw cover profile (PVC)
- ㉚ Running rail
- ㉛ Holding rail
- ㉜ Cover profile
- ㉝ Connecting rod
- ㉞ Cover cap for guiding rail
- ㉟ Cover cap for holding rail, left
- ㊱ Cover cap for holding rail, right
- ㊲ Cover cap, bottom left
- ㊳ Cover cap, bottom right
- ㊴ Buffer bottom
- ㊵ Rubber mushroom part
- ㊶ Guide block
- ㊶a Guide block, top
- ㊷ Buffer top
- ㊸ Support block (> FFB 1450 mm)

ATRIUM SP® komfort

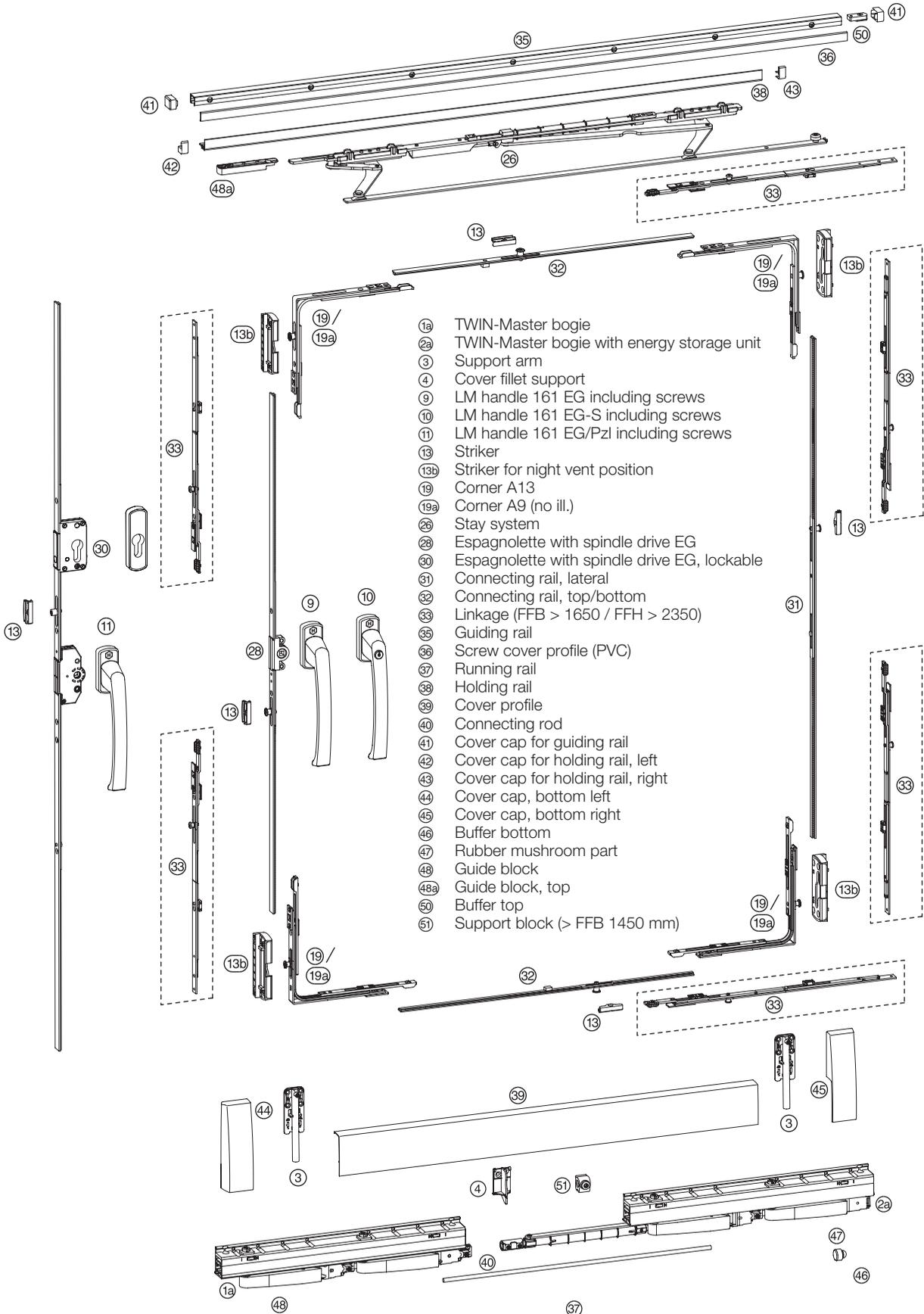


Item name		Item code						
1x	Carton bogies SW 160 kg ① ② ③					left	right	
						236127	236124	
1x	Carton of corner A13 ⑱	for axis 13 mm right and left usable				(PU 1 set)	(PU 5 sets)	
or						238031	238034	
1x	Carton of corner A9 ⑲a	for axis 9 mm right and left usable				(PU 1 set)	(PU 5 sets)	
						241737	241798	
1x	LM HAUTAU design handle for gearbox espag	161 EG ⑨	EV1	white	brown	F9		
		161 EG-S ⑩	206206	206209	207361	302744		
		161 EG Pzl ⑪	206215	206218	207367	302745		
			206224	206227	207364	302746		
1x	Bag of accessory striker ⑬		(profile-related) see online profile overview					
1x	Bag of accessory striker for night vent position ⑬b		(profile-related) see online profile overview					
1x	Horizontal locking ⑳		FFB	(PU 1 set)	(PU 5 sets)			
			750 - 900	235174	235183			
			901 - 1250	235177	235186			
			1251 - 1650	235180	235189			
1x	Vertical locking Gearbox espag, D 15 ㉑ ㉒	Handle position	FFH	(PU 1 set)	(PU 5 sets)			
		centre	650 - 1100	214014	214002			
		centre	1101 - 1450	214017	214005			
		centre	1451 - 1900	235192	235195			
		centre	1901 - 2350	214023	214011			
or		Handle position	FFH	(PU 1 set)				
1x	Vertical locking Gearbox espag, lockable, D 30 ㉓ ㉔	centre	1101 - 1450	214050				
		centre	1451 - 1900	235198				
		centre	1901 - 2350	214056				
1x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ㉑ Also for FFB 1450 or more: ㉒	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		750 - 900	1930	218973	218967	218970	218976	218979
		901 - 1050	2230	218988	218982	218985	218991	218994
		1051 - 1250	2630	219003	218997	219000	219006	219009
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
1x	Stay system + holding rail set ㉕ ㉖ ㉗ ㉘ ㉙ ㉚	FFB		silver	white	brown	med. bronze	RAL 9001
		750 - 900	left	235450	235468	235486	235504	235522
		901 - 1250	left	235453	235471	235489	235507	235525
		1251 - 1650	left	235456	235474	235492	235510	235528
		750 - 900	right	235441	235459	235477	235495	235513
		901 - 1250	right	235444	235462	235480	235498	235516
		1251 - 1650	right	235447	235465	235483	235501	235519

for additional gear designs, see page 46
for additional handle designs, see page 50

ATRIUM SP® komfort TWIN

200 kg	A9/A13	
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ATRIUM SP® komfort TWIN



Item name		Item code						
1x	Carton bogies TWIN SW 200 kg ⑬ ⑭ ⑮					left	right	
						241872	241875	
1x	Carton of corner A13 ⑱	for axis 13 mm				(PU 1 set)	(PU 5 sets)	
or		right and left usable				238031	238034	
1x	Carton of corner A9 ⑲a	for axis 9 mm				(PU 1 set)	(PU 5 sets)	
		right and left usable				241737	241798	
1x	LM HAUTAU design handle for gearbox espag	161 EG ⑨	EV1	white	brown	F9		
		161 EG-S ⑩	206206	206209	207361	302744		
		161 EG Pzl ⑪	206215	206218	207367	302745		
			206224	206227	207364	302746		
1x	Bag of accessory striker ⑬		(profile-related) see online profile overview					
1x	Bag of accessory striker for night vent position ⑬b		(profile-related) see online profile overview					
1x	Horizontal locking ⑳		FFB	(PU 1 set)	(PU 5 sets)			
			1251 - 1650	235180	235189			
			1651 - 2000	235180*	235189*			
		* in addition, 2 x set linkage 400 mm ㉓ (Item code 207705) and matching strikers (profile-related) are required						
1x	Vertical locking Gearbox espag, D 15 ㉔ ㉕	Handle position	FFH	(PU 1 set)	(PU 5 sets)			
		centre	650 - 1100	214014	214002			
		centre	1101 - 1450	214017	214005			
		centre	1451 - 1900	235192	235195			
		centre	1901 - 2350	214023	214011			
		centre	2351 - 2700	214023*	214011*			
		* in addition, 4 x set linkage 400 mm ㉓ (Item Code 207705) and matching strikers (profile-related) are required						
or		Handle position	FFH	(PU 1 set)				
1x	Vertical locking Gearbox espag, lockable, D 30 ㉖ ㉗	centre	1101 - 1450	214050				
		centre	1451 - 1900	235198				
		centre	1901 - 2350	214056				
		centre	2351 - 2700	214056*				
		* in addition, 4 x set linkage 400 mm ㉓ (Item Code 207705) and matching strikers (profile-related) are required						
1x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
	Also for FFB 1450 or more: ⑳	1651 - 2000	4130	219063	219057	219060	219066	219069
1x	Stay system + holding rail set ㉔ ㉕ ㉖ ㉗ ㉘ ㉙	FFB		silver	white	brown	med. bronze	RAL 9001
		1251 - 1650	left	235456	235474	235492	235510	235528
		1651 - 2000	left	241695	241698	241701	241704	241707
		1251 - 1650	right	235447	235465	235483	235501	235519
		1651 - 2000	right	241710	241713	241716	241719	241722

for additional gear designs, see page 46
for additional handle designs, see page 50

ATRIUM SP® komfort

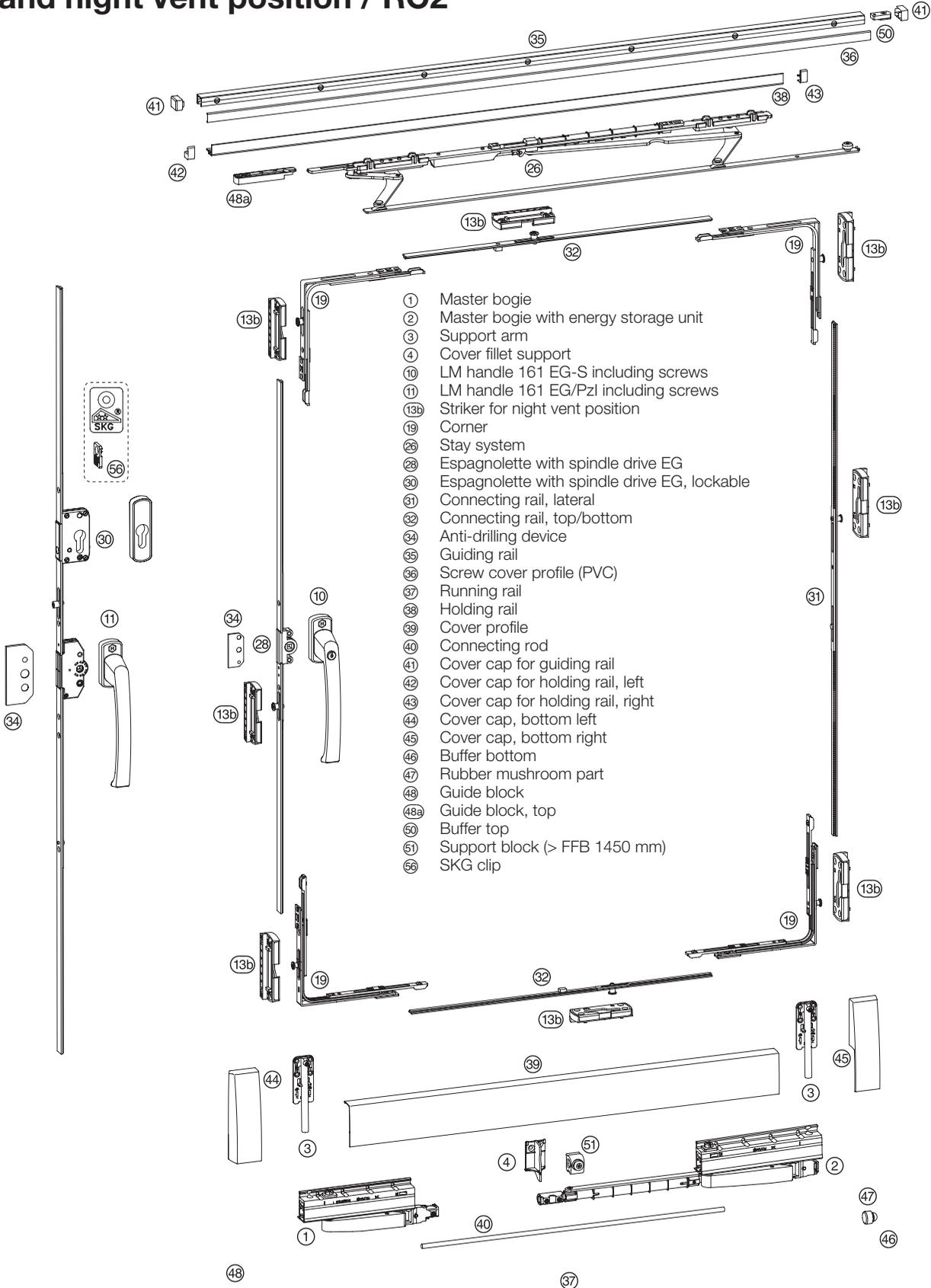
with burglar protection in closed position
and night vent position / RC2

160
kg

A13

SAFE

SAFE



ATRIUM SP® komfort

with burglar protection in closed position and night vent position / RC2



Item name		Item code						
1x	Carton bogies SW 160 kg ① ② ③					left 236127	right 236124	
1x	Carton of corner ⑱	for axis 13 mm right and left usable				(PU 1 set) 238031	(PU 5 sets) 238034	
1x	LM HAUTAU design handle for gearbox espag	161 EG-S ⑩ 161 EG Pzl ⑪	EV1 206215 206224	white 206218 206227	brown 207367 207364	F9 302745 302746		
2-3x	Bag of accessory striker for night vent position ⑬ᵇ		(profile-related) see online profile overview					
4x	Buffer (no ill.)		Buffer using from profile manufacturer alternatively (100 content): 238205					
1x	Anti-drilling device ⑳			D 15	D 30	D 40	standard drill-up protection	
1x	Horizontal locking ㉑		FFB	(PU 1 set)	(PU 5 sets)			
			750 - 900	235174	235183			
			901 - 1250	235177	235186			
			1251 - 1650	235180	235189			
1x	Vertical locking Gearbox espag, D 15 ㉒ ㉓	Handle position	FFH	(PU 1 set)	(PU 5 sets)			
		centre	650 - 1100	214014	214002			
		centre	1101 - 1450	214017	214005			
		centre	1451 - 1900	235192	235195			
		centre	1901 - 2350	214023	214011			
or		Handle position	FFH	(PU 1 set)				
1x	Vertical locking Gearbox espag, lockable, D 30 ㉔ ㉕	centre	1101 - 1450	214050				
		centre	1451 - 1900	235198				
		centre	1901 - 2350	214056				
1x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ Also for FFB 1450 or more: ⑱	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		750 - 900	1930	218973	218967	218970	218976	218979
		901 - 1050	2230	218988	218982	218985	218991	218994
		1051 - 1250	2630	219003	218997	219000	219006	219009
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
1x	Stay system + holding rail set ㉖ ㉗ ㉘ ㉙ ㉚	FFB		silver	white	brown	med. bronze	RAL 9001
		750 - 900	left	235450	235468	235486	235504	235522
		901 - 1250	left	235453	235471	235489	235507	235525
		1251 - 1650	left	235456	235474	235492	235510	235528
		750 - 900	right	235441	235459	235477	235495	235513
		901 - 1250	right	235444	235462	235480	235498	235516
		1251 - 1650	right	235447	235465	235483	235501	235519
1x	SKG clip (optional) ㉛							239489

for additional gear designs, see page 46
for additional handle designs, see page 50

ATRIUM SP® komfort TWIN

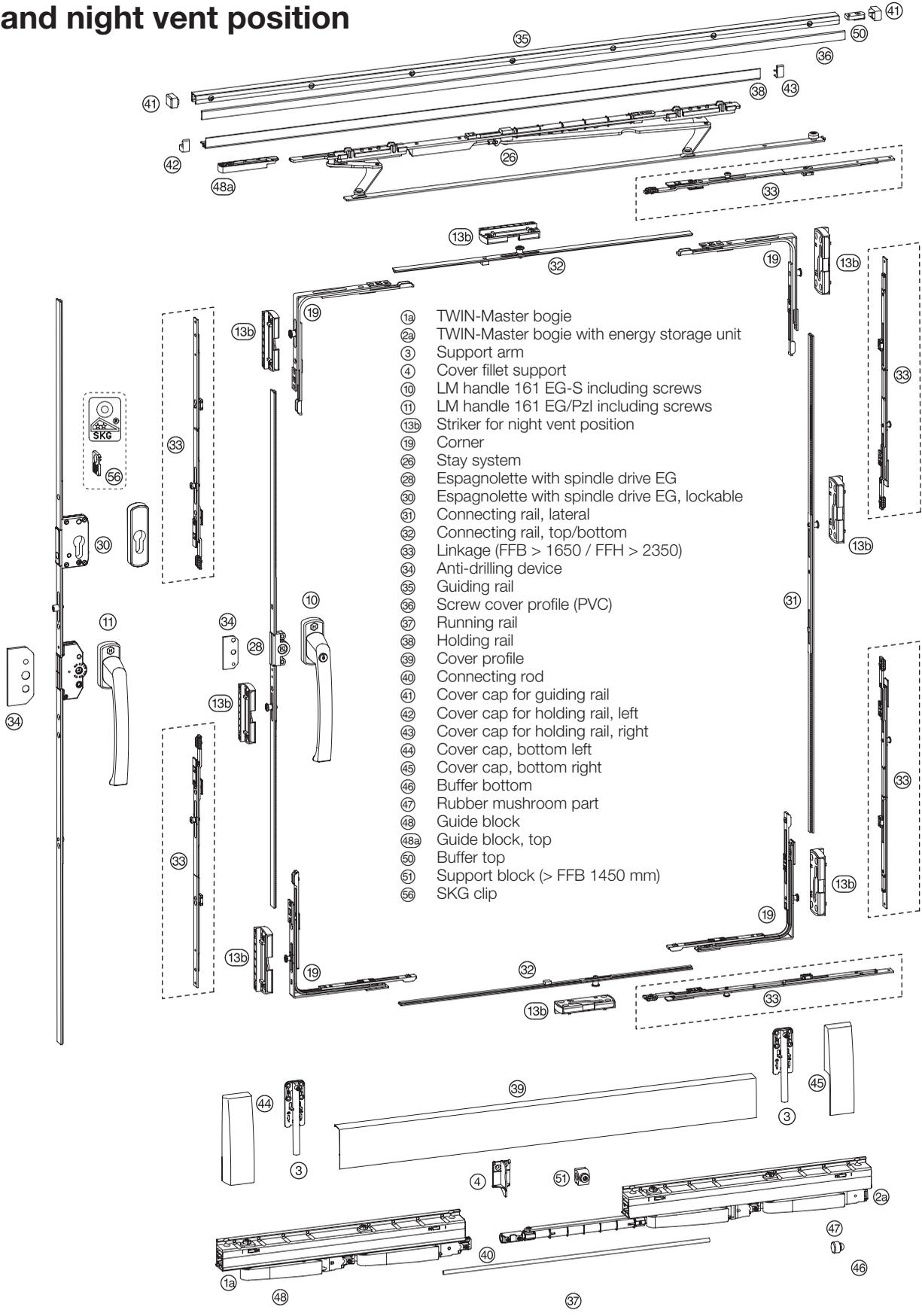
with burglar protection in closed position
and night vent position

200
kg

A13

SAFE

SAFE



- 1a TWIN-Master bogie
- 2a TWIN-Master bogie with energy storage unit
- 3 Support arm
- 4 Cover fillet support
- 10 LM handle 161 EG-S including screws
- 11 LM handle 161 EG/Pzl including screws
- 13b Striker for night vent position
- 19 Corner
- 26 Stay system
- 28 Espagnolette with spindle drive EG
- 29 Espagnolette with spindle drive EG, lockable
- 31 Connecting rail, lateral
- 32 Connecting rail, top/bottom
- 33 Linkage (FFB > 1650 / FFH > 2350)
- 34 Anti-drilling device
- 35 Guiding rail
- 36 Screw cover profile (PVC)
- 37 Running rail
- 38 Holding rail
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guiding rail
- 42 Cover cap for holding rail, left
- 43 Cover cap for holding rail, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer bottom
- 47 Rubber mushroom part
- 48 Guide block
- 48a Guide block, top
- 50 Buffer top
- 51 Support block (> FFB 1450 mm)
- 56 SKG clip

ATRIUM SP® komfort TWIN

with burglar protection in closed position and night vent position



Item name		Item code						
1x	Carton bogies TWIN SW 200 kg ⑬ ②③ ③				left 241872	right 241875		
1x	Carton of corner ⑱	for axis 13 mm right and left usable			(PU 1 set) 238031	(PU 5 sets) 238034		
1x	LM HAUTAU design handle for gearbox espag	161 EG ⑨ 161 EG-S ⑩ 161 EG Pzl ⑪	EV1 206206 206215 206224	white 206209 206218 206227	brown 207361 207367 207364	F9 302744 302745 302746		
2-3x	Bag of accessory safety striker ⑭		(profile-related) see online profile overview					
4x	Buffer (no ill.)		Buffer using from profile manufacturer alternatively (100 content): 238205					
1x	Anti-drilling device ⑳			D 15	D 30	D 40	standard drill-up protection	
1x	Horizontal locking ㉑		FFB 1251 - 1650 1651 - 2000	(PU 1 set) 235180 235180*	(PU 5 sets) 235189 235189*			
* in addition, 2 x set linkage 400 mm ㉓ (Item Code 207705) and matching strikers (profile-related) are required								
1x	Vertical locking Gearbox espag, D 15 ㉒ ㉓	Handle position	FFH	(PU 1 set)	(PU 5 sets)			
		centre	650 - 1100	214014	214002			
		centre	1101 - 1450	214017	214005			
		centre	1451 - 1900	235192	235195			
		centre	1901 - 2350	214023	214011			
		centre	2351 - 2700	214023*	214011*			
* in addition, 4 x set linkage 400 mm ㉓ (Item Code 207705) and matching strikers (profile-related) are required								
or		Handle position	FFH	(PU 1 set)				
1x	Vertical locking Gearbox espag, lockable, D 30 ㉔ ㉕	centre	1101 - 1450	214050				
		centre	1451 - 1900	235198				
		centre	1901 - 2350	214056				
		centre	2351 - 2700	214056*				
* in addition, 4 x set linkage 400 mm ㉓ (Item Code 207705) and matching strikers (profile-related) are required								
1x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳	FFB 1251 - 1450 1451 - 1650 1651 - 2000	RAB 3030 3430 4130	silver 219018 219033 219063	white 219012 219027 219057	brown 219015 219030 219060	med. bronze 219021 219036 219066	RAL 9001 219024 219039 219069
1x	Stay system + holding rail set ㉖ ㉗ ㉘ ㉙ ㉚	FFB 1251 - 1650 1651 - 2000	silver 235456 241695	white 235474 241698	brown 235492 241701	med. bronze 235510 241704	RAL 9001 235528 241707	
		1251 - 1650	right	235447	235465	235483	235501	235519
		1651 - 2000	right	241710	241713	241716	241719	241722
1x	SKG clip (optional) ㉛							239489

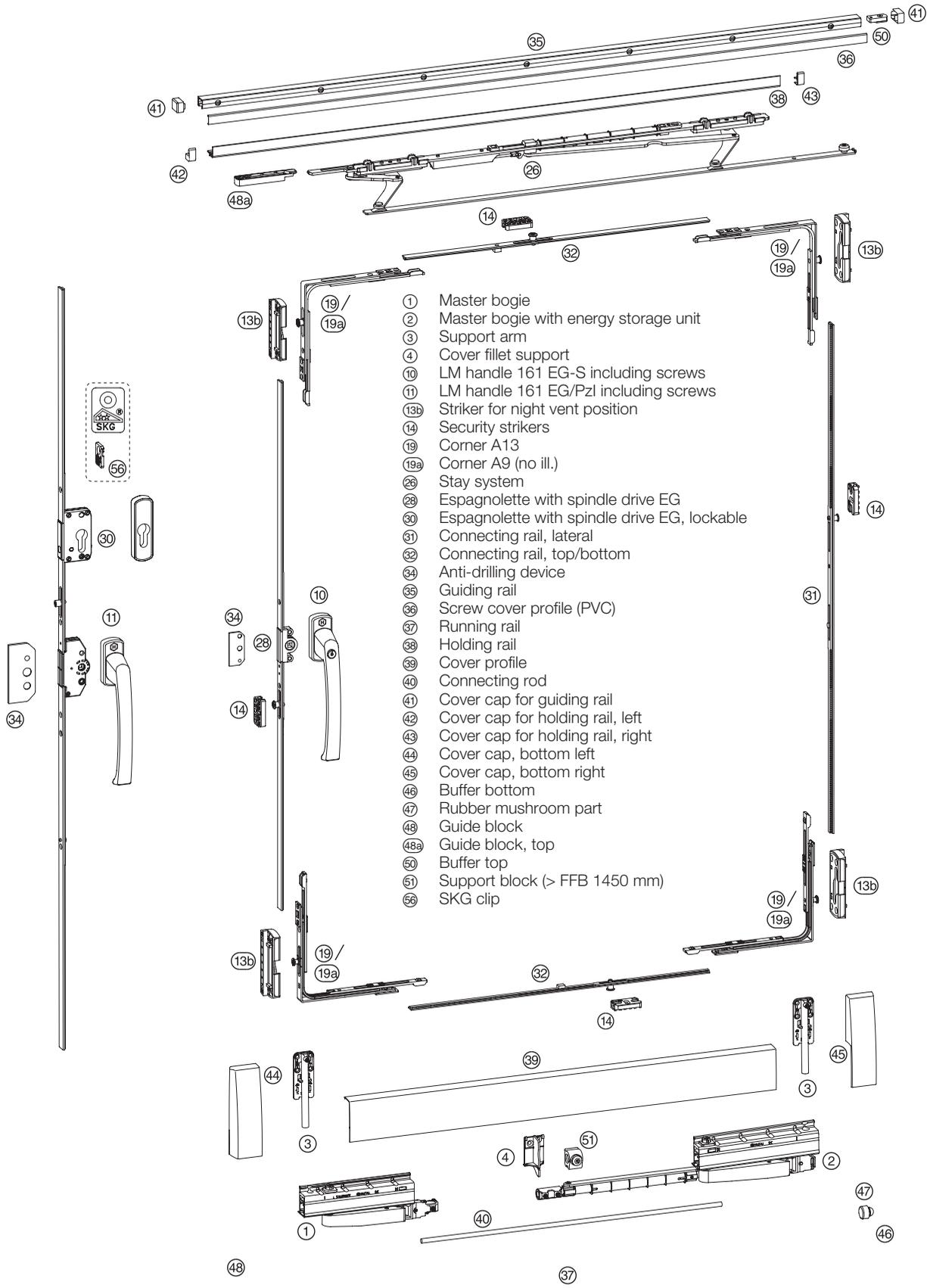
for additional gear designs, see page 46
for additional handle designs, see page 50

ATRIUM SP® komfort

with burglar protection in closed position

160 kg

A9/
A13



- ① Master bogie
- ② Master bogie with energy storage unit
- ③ Support arm
- ④ Cover fillet support
- ⑩ LM handle 161 EG-S including screws
- ⑪ LM handle 161 EG/Pzl including screws
- ⑬ Striker for night vent position
- ⑭ Security strikers
- ⑰ Corner A13
- ⑰a Corner A9 (no ill.)
- ⑳ Stay system
- ㉘ Espagnolette with spindle drive EG
- ㉙ Espagnolette with spindle drive EG, lockable
- ㉚ Connecting rail, lateral
- ㉛ Connecting rail, top/bottom
- ㉜ Anti-drilling device
- ㉝ Guiding rail
- ㉞ Screw cover profile (PVC)
- ㉟ Running rail
- ㊱ Holding rail
- ㊲ Cover profile
- ㊳ Connecting rod
- ㊴ Cover cap for guiding rail
- ㊵ Cover cap for holding rail, left
- ㊶ Cover cap for holding rail, right
- ㊷ Cover cap, bottom left
- ㊸ Cover cap, bottom right
- ㊹ Buffer bottom
- ㊺ Rubber mushroom part
- ㊻ Guide block
- ㊼ Guide block, top
- ㊽ Buffer top
- ㊾ Support block (> FFB 1450 mm)
- ㊿ SKG clip

ATRIUM SP® komfort

with burglar protection in closed position



Item name		Item code						
1x	Carton bogies SW 160 kg ① ② ③					left 236127	right 236124	
1x	Carton of corner A13 ⑱	for axis 13 mm right and left usable				(PU 1 set) 238031	(PU 5 sets) 238034	
or								
1x	Carton of corner A9 ⑲a	for axis 9 mm right and left usable				(PU 1 set) 241737	(PU 5 sets) 241798	
1x	LM HAUTAU design handle for gearbox espag	161 EG-S ⑩ 161 EG PzI ⑪	EV1 206215 206224	white 206218 206227	brown 207367 207364	F9 302745 302746		
1x	Bag of accessory striker for night vent position ⑲b					(profile-related) see online profile overview		
1x	Bag of accessory safety striker ⑲c					(profile-related) see online profile overview		
4x	Buffer (no ill.)					Buffer using from profile manufacturer alternatively (100 content): 238205		
1x	Anti-drilling device ⑳					D 15	D 30	
						standard drill-up protection		
1x	Horizontal locking ㉑		FFB 750 - 900 901 - 1250 1251 - 1650			(PU 1 set) 235174 235177 235180	(PU 5 sets) 235183 235186 235189	
1x	Vertical locking Gearbox espag, D 15 ㉒ ㉓	Handle position centre centre centre centre	FFH 650 - 1100 1101 - 1450 1451 - 1900 1901 - 2350			(PU 1 set) 214014 214017 235192 214023	(PU 5 sets) 214002 214005 235195 214011	
or								
1x	Vertical locking Gearbox espag, lockable, D 30 ㉔ ㉕	Handle position centre centre centre	FFH 1101 - 1450 1451 - 1900 1901 - 2350			(PU 1 set) 214050 235198 214056		
1x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲a	FFB 750 - 900 901 - 1050 1051 - 1250 1251 - 1450 1451 - 1650	RAB 1930 2230 2630 3030 3430	silver 218973 218988 219003 219018 219033	white 218967 218982 218997 219012 219027	brown 218970 218985 219000 219015 219030	med. bronze 218976 218991 219006 219021 219036	RAL 9001 218979 218994 219009 219024 219039
1x	Stay system + holding rail set ㉖ ㉗ ㉘ ㉙ ㉚a	FFB 750 - 900 901 - 1250 1251 - 1650	silver 235450 235453 235456	white 235468 235471 235474	brown 235486 235489 235492	med. bronze 235504 235507 235510	RAL 9001 235522 235525 235528	
		750 - 900 901 - 1250 1251 - 1650	left left left	235441 235444 235447	235459 235462 235465	235477 235480 235483	235495 235498 235501	235513 235516 235519
1x	SKG clip (optional) ㉛							239489

for additional gear designs, see page 46
for additional handle designs, see page 50

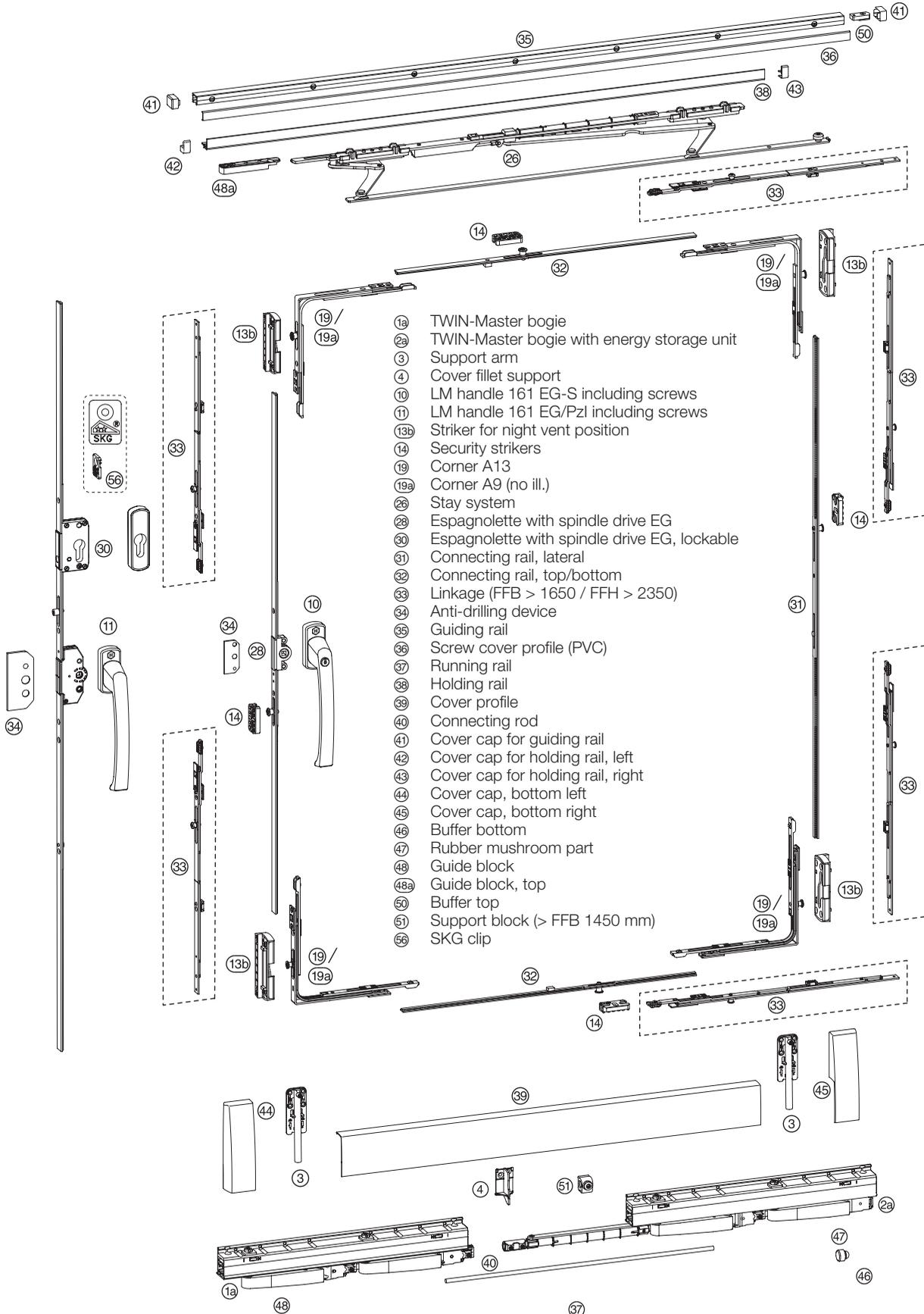
ATRIUM SP® komfort TWIN

with burglar protection in closed position

200 kg

A9/
A13

SAFE



- 1a TWIN-Master bogie
- 2a TWIN-Master bogie with energy storage unit
- 3 Support arm
- 4 Cover fillet support
- 10 LM handle 161 EG-S including screws
- 11 LM handle 161 EG/PzI including screws
- 13b Striker for night vent position
- 14 Security strikers
- 19 Corner A13
- 19a Corner A9 (no ill.)
- 26 Stay system
- 28 Espagnolette with spindle drive EG
- 30 Espagnolette with spindle drive EG, lockable
- 31 Connecting rail, lateral
- 32 Connecting rail, top/bottom
- 33 Linkage (FFB > 1650 / FFH > 2350)
- 34 Anti-drilling device
- 35 Guiding rail
- 36 Screw cover profile (PVC)
- 37 Running rail
- 38 Holding rail
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guiding rail
- 42 Cover cap for holding rail, left
- 43 Cover cap for holding rail, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer bottom
- 47 Rubber mushroom part
- 48 Guide block
- 48a Guide block, top
- 50 Buffer top
- 51 Support block (> FFH 1450 mm)
- 56 SKG clip

ATRIUM SP® komfort TWIN

with burglar protection in closed position

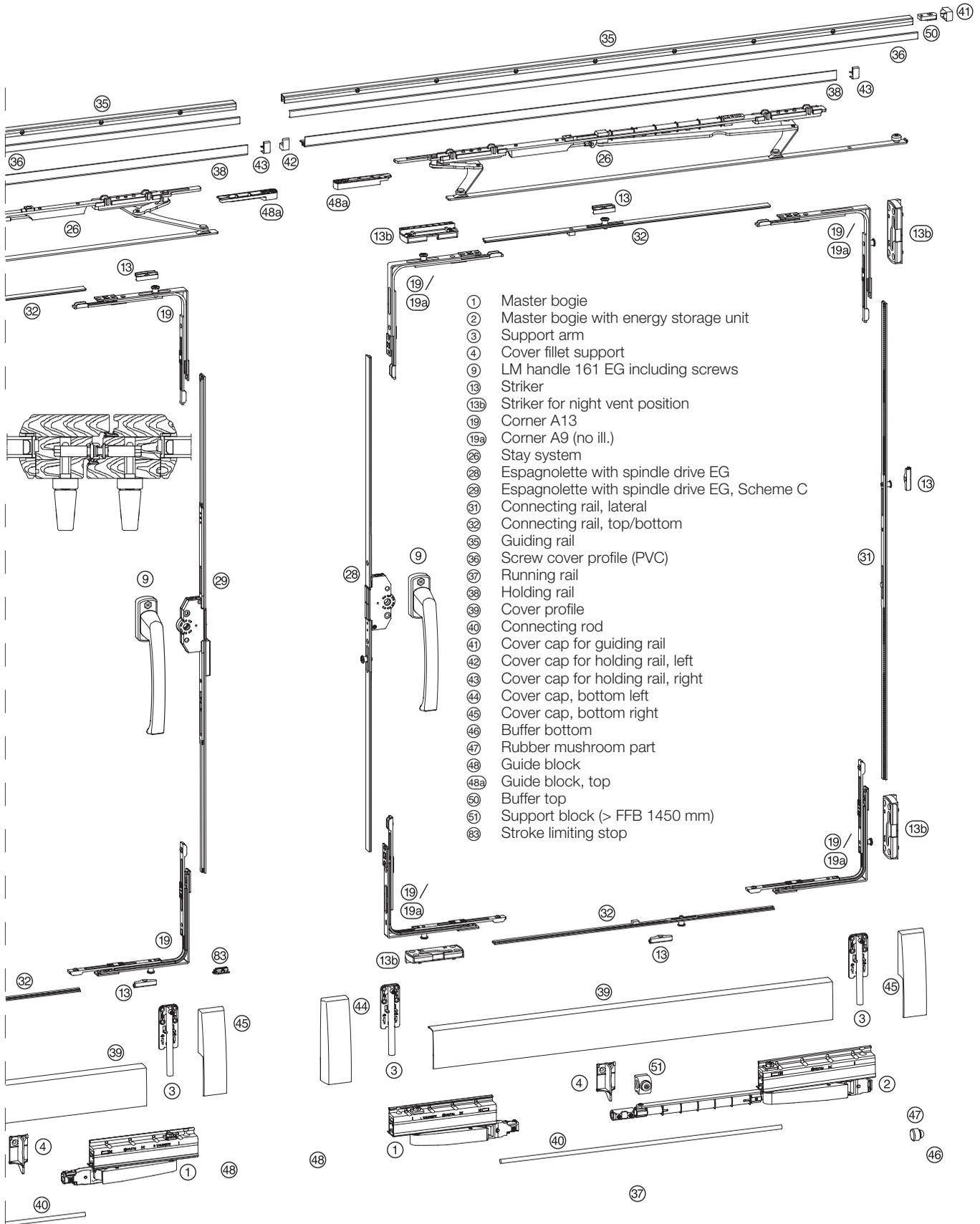


Item name		Item code							
1x	Carton bogies TWIN SW 200 kg <small>(1a) (2a) (3)</small>	left		right					
		241872		241875					
1x	Carton of corner A13 <small>(19)</small>	for axis 13 mm right and left usable		(PU 1 set)		(PU 5 sets)			
or				238031		238034			
1x	Carton of corner A9 <small>(19a)</small>	for axis 9 mm right and left usable		(PU 1 set)		(PU 5 sets)			
				241737		241798			
1x	LM HAUTAU design handle for gearbox espag	161 EG <small>(9)</small>	EV1	white	brown	F9			
		161 EG-S <small>(10)</small>	206206	206209	207361	302744			
		161 EG Pzl <small>(11)</small>	206215	206218	207367	302745			
			206224	206227	207364	302746			
1x	Bag of accessory striker for night vent position <small>(13b)</small>	(profile-related) see online profile overview							
1x	Bag of accessory safety striker <small>(14)</small>	(profile-related) see online profile overview							
4x	Buffer (no ill.)	Buffer using from profile manufacturer alternatively (100 content): 238205							
1x	Anti-drilling device <small>(34)</small>	D 15		D 30		D 40			
		standard drill-up protection							
1x	Horizontal locking <small>(32)</small>	FFB		(PU 1 set)		(PU 5 sets)			
		1251 - 1650		235180		235189			
		1651 - 2000		235180*		235189*			
* in addition, 2 x set linkage 400 mm <small>(33)</small> (Item Code 207705) and matching strikers (profile-related) are required									
1x	Vertical locking Gearbox espag, D 15 <small>(28) (31)</small>	Handle position	FFH	(PU 1 set)		(PU 5 sets)			
		mittig	650 - 1100	214014		214002			
		mittig	1101 - 1450	214017		214005			
		mittig	1451 - 1900	235192		235195			
		mittig	1901 - 2350	214023		214011			
		mittig	2351 - 2700	214023*		214011*			
* in addition, 4 x set linkage 400 mm <small>(33)</small> (Item Code 207705) and matching strikers (profile-related) are required									
or		Handle position	FFH	(PU 1 set)					
1x	Vertical locking Gearbox espag, lockable, D 30 <small>(30) (31)</small>	mittig	1101 - 1450	214050					
		mittig	1451 - 1900	235198					
		mittig	1901 - 2350	214056					
		mittig	2351 - 2700	214056*					
* in addition, 4 x set linkage 400 mm <small>(33)</small> (Item Code 207705) and matching strikers (profile-related) are required									
1x	Set of rails <small>(4) (35) (36) (37) (38) (40) (41) (44) (45) (46) (47) (48) (50)</small> Also for FFB 1450 or more: <small>(51)</small>	FFB	RAB	silver	white	brown	med. bronze	RAL 9001	
		1251 - 1450	3030	219018	219012	219015	219021	219024	
		1451 - 1650	3430	219033	219027	219030	219036	219039	
		1651 - 2000	4130	219063	219057	219060	219066	219069	
1x	Stay system + holding rail set <small>(26) (38) (42) (43) (48a)</small>	FFB		silver	white	brown	med. bronze	RAL 9001	
		1251 - 1650	left	235456	235474	235492	235510	235528	
		1651 - 2000	left	241695	241698	241701	241704	241707	
		1251 - 1650	right	235447	235465	235483	235501	235519	
		1651 - 2000	right	241710	241713	241716	241719	241722	
1x	SKG clip (optional) <small>(56)</small>								239489

for additional gear designs, see page 46
for additional handle designs, see page 50

ATRIUM SP® komfort Timber, scheme C* without post open groove EG 30/30

A9/ A13	160 kg	
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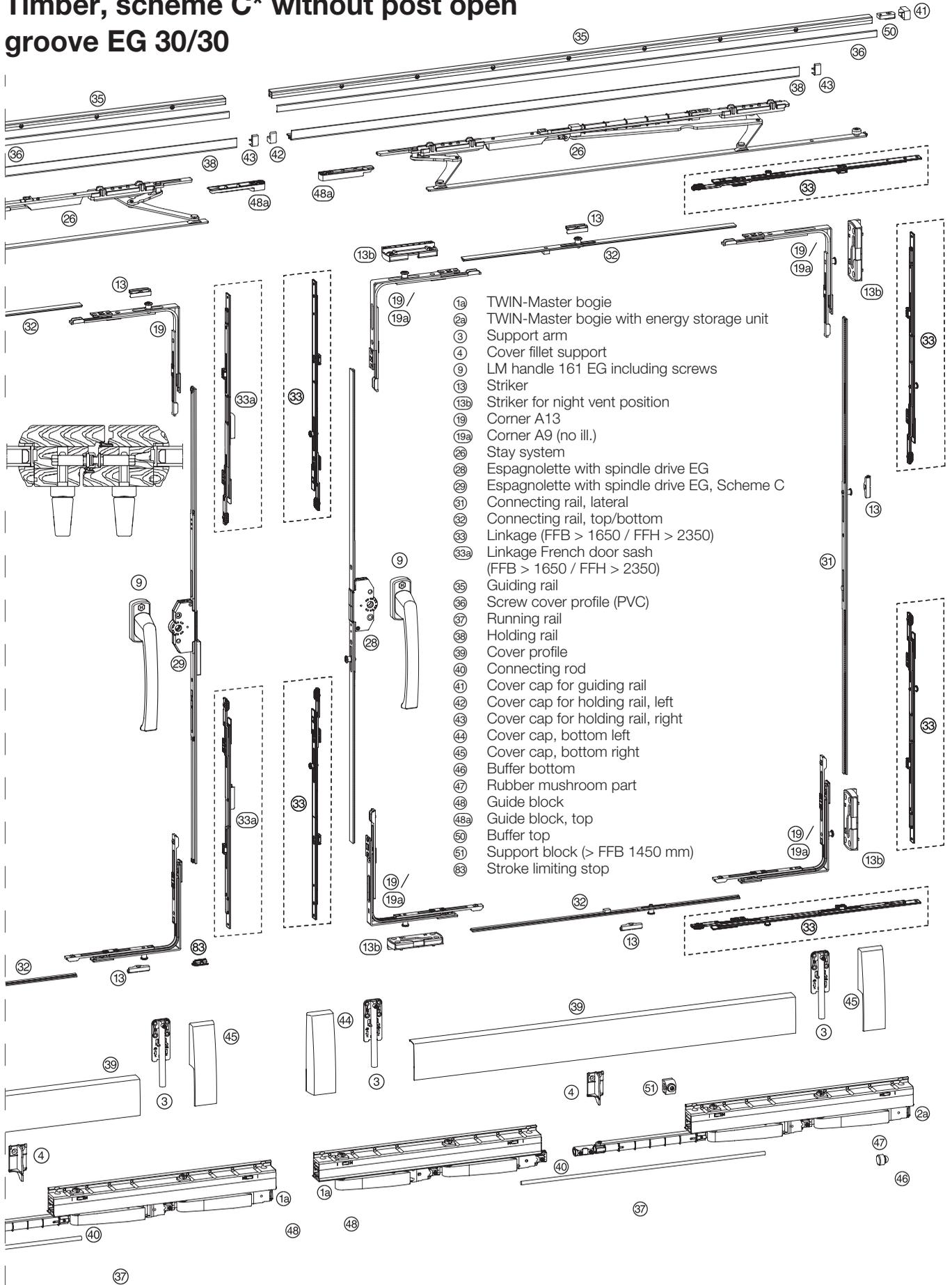


- ① Master bogie
- ② Master bogie with energy storage unit
- ③ Support arm
- ④ Cover fillet support
- ⑨ LM handle 161 EG including screws
- ⑬ Striker
- ⑬b Striker for night vent position
- ⑲ Corner A13
- ⑲a Corner A9 (no ill.)
- ⑳ Stay system
- ㉔ Espagnolette with spindle drive EG
- ㉔ Espagnolette with spindle drive EG, Scheme C
- ㉕ Connecting rail, lateral
- ㉖ Connecting rail, top/bottom
- ㉗ Guiding rail
- ㉘ Screw cover profile (PVC)
- ㉙ Running rail
- ㉚ Holding rail
- ㉛ Cover profile
- ㉜ Connecting rod
- ㉝ Cover cap for guiding rail
- ㉞ Cover cap for holding rail, left
- ㉞ Cover cap for holding rail, right
- ㉟ Cover cap, bottom left
- ㊱ Cover cap, bottom right
- ㊲ Buffer bottom
- ㊳ Rubber mushroom part
- ㊴ Guide block
- ㊴a Guide block, top
- ㊵ Buffer top
- ㊶ Support block (> FFB 1450 mm)
- ㊷ Stroke limiting stop

ATRIUM SP® komfort TWIN

Timber, scheme C* without post open groove EG 30/30

A9/ A13	200 kg	
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ATRIUM SP® komfort TWIN

Timber, scheme C* without post open groove EG 30/30



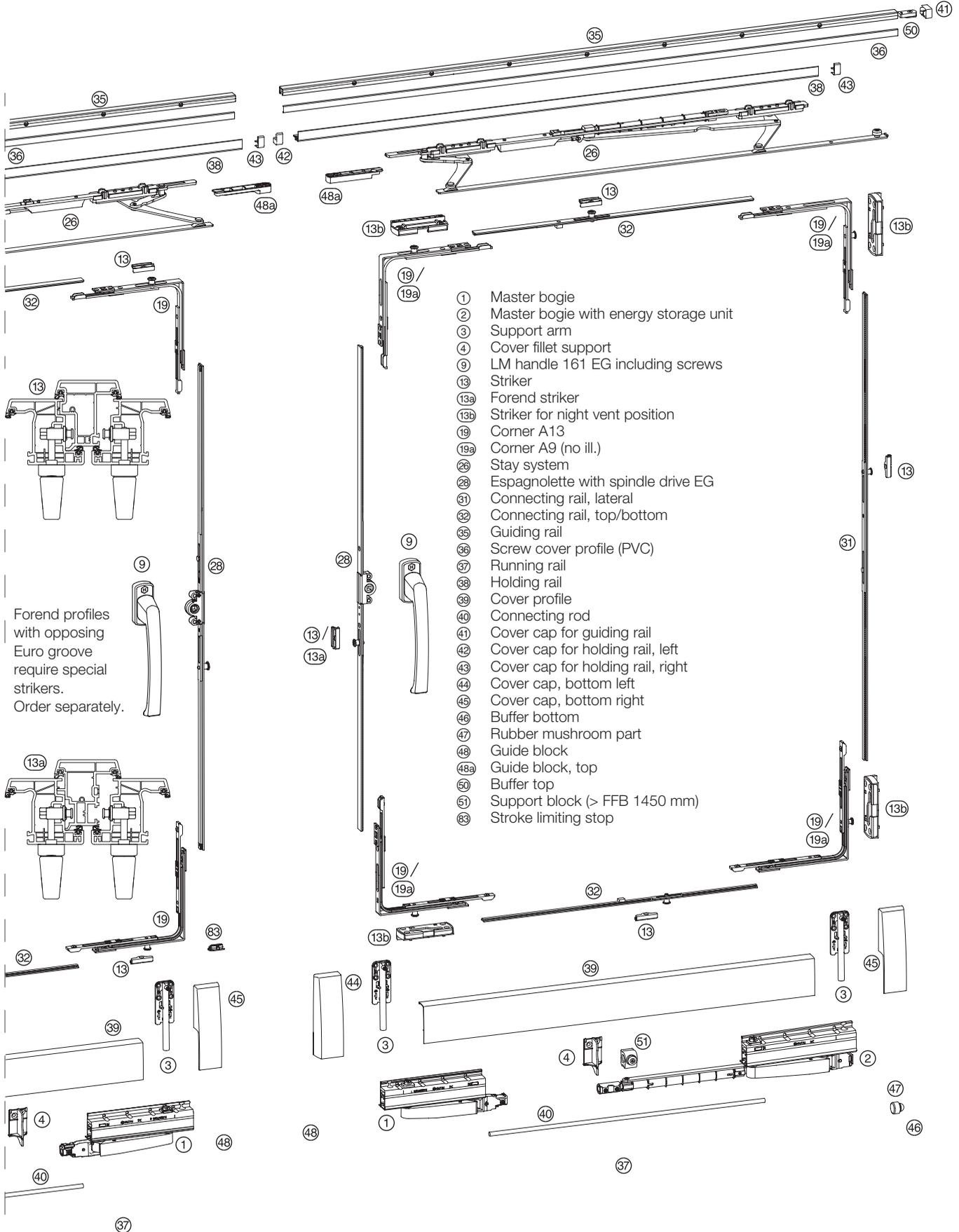
Item name		Item code						
1x	Carton bogies SW 200 kg (1a) (2a) (3)					left	241875	
1x	Carton bogies SW 200 kg (1a) (2a) (3)					right	241872	
2x	Carton of corner A13 (19)		for axis 13 mm			((PU 1 set)	(PU 5 sets)	
or			right and left usable			238031	238034	
1x	Carton of corner A13 (19)		for axis 9 mm			(PU 1 set)	(PU 5 sets)	
1x	Carton of corner A9 (19a)		right and left usable			238031	238034	
						241737	241798	
2x	LM HAUTAU design handle for gearbox espag	161 EG (9)		EV1	white	brown	F9	
		161 EG-S (10)		206206	206209	207361	302744	
		161 EG Pzl (11)		206215	206218	207367	302745	
				206224	206227	207364	302746	
2x	Bag of accessory striker (13)					(profile-related) see online profile overview		
1x	Bag of accessory striker for night vent position (13a)					(profile-related) see online profile overview		
1x	Stroke limiting stop (3) (for axis 9 mm 2x)						238250	
2x	Horizontal locking (32)			FFB	(PU 1 set)	(PU 5 sets)		
				1251 - 1650	235180	235189		
				1651 - 2000	235180*	235189*		
* in addition, 4 x set linkage 400 mm (33) (Item Code 207705) and matching strikers (profile-related) are required								
1x	Vertical locking Gearbox espag, D 30 (28a) (31)		Handle position	FFH	(PU 1 set)			
			centre	650 - 1100	214026			
			centre	1101 - 1450	214029			
			centre	1451 - 1900	236115			
			centre	1901 - 2350	214035			
			mittig	2351 - 2700	214035*			
* in addition, 6 x set linkage 400 mm (33) (Item Code 207705) and matching strikers (profile-related) are required								
1x	Vertical locking Gearbox espag for French door sash, D 30 (29) (31)		Handle position	FFH	(PU 1 set)			
			centre	650 - 1100	214038			
			centre	1101 - 1450	214041			
			centre	1451 - 1900	236118			
			centre	1901 - 2350	214047			
			mittig	2351 - 2700	214047*			
* in addition, 2 x set linkage 400 mm (33a) (Item code 224316)								
2x	Set of rails (4) (35) (36) (37) (38) (40) (41) (44) (45) (46) (47) (48) (50)	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
	Also for FFB 1450 or more: (51)	1651 - 2000	4130	219063	219057	219060	219066	219069
1x	Stay system + holding rail set (26) (38) (42) (43) (48a)	FFB		silver	white	brown	med. bronze	RAL 9001
		1251 - 1650	left	235456	235474	235492	235510	235528
		1651 - 2000	left	241695	241698	241701	241704	241707
1x	Stay system + holding rail set (26) (38) (42) (43) (48a)	1251 - 1650	right	235447	235465	235483	235501	235519
		1651 - 2000	right	241710	241713	241716	241719	241722

for additional gear designs, see page 46
 for additional handle designs, see page 50

ATRIUM SP® komfort

PVC, scheme C* with loose post EG 15/15

A9/ A13	160 kg	
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- ① Master bogie
- ② Master bogie with energy storage unit
- ③ Support arm
- ④ Cover fillet support
- ⑨ LM handle 161 EG including screws
- ⑬ Striker
- ⑬a Forend striker
- ⑬b Striker for night vent position
- ⑲ Corner A13
- ⑲a Corner A9 (no ill.)
- ⑳ Stay system
- ㉘ Espagnolette with spindle drive EG
- ㉙ Connecting rail, lateral
- ㉚ Connecting rail, top/bottom
- ㉛ Guiding rail
- ㉜ Screw cover profile (PVC)
- ㉝ Running rail
- ㉞ Holding rail
- ㉟ Cover profile
- ④① Connecting rod
- ④② Cover cap for guiding rail
- ④③ Cover cap for holding rail, left
- ④④ Cover cap, bottom left
- ④⑤ Cover cap, bottom right
- ④⑥ Buffer bottom
- ④⑦ Rubber mushroom part
- ④⑧ Guide block
- ④⑧a Guide block, top
- ④⑨ Buffer top
- ④⑩ Support block (> FFB 1450 mm)
- ④⑪ Stroke limiting stop

Forend profiles with opposing Euro groove require special strikers. Order separately.

ATRIUM SP® komfort

PVC, scheme C* with loose post EG 15/15



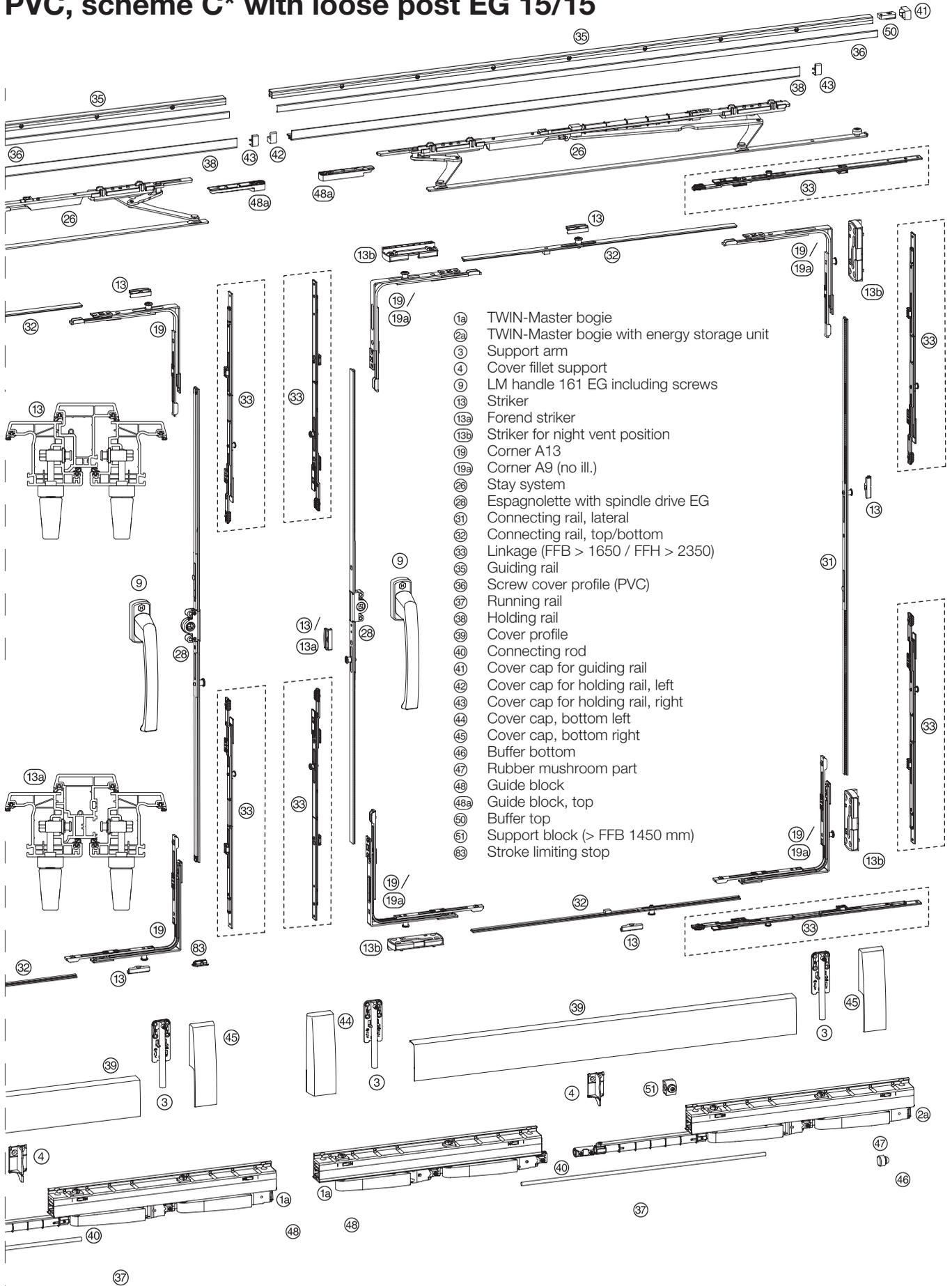
Item name		Item code						
1x	Carton bogies SW 160 kg ① ② ③					left	236127	
1x	Carton bogies SW 160 kg ① ② ③					right	236124	
2x	Carton of corner A13 ⑱		for axis 13 mm			((PU 1 set))	((PU 5 sets))	
or			right and left usable			238031	238034	
1x	Carton of corner A13 ⑱		for axis 9 mm			((PU 1 set))	((PU 5 sets))	
1x	Carton of corner A9 ⑲a		right and left usable			238031	238034	
						241737	241798	
2x	LM HAUTAU design handle for gearbox espag	161 EG ⑨		EV1	white	brown	F9	
		161 EG-S ⑩		206206	206209	207361	302744	
		161 EG Pzl ⑪		206215	206218	207367	302745	
				206224	206227	207364	302746	
2x	Bag of accessory striker ⑲					(profile-related) see online profile overview		
1x	Bag of accessory French door sash strikers ⑲a (with Eurogroove)						219135	
1x	Bag of accessory striker for night vent position ⑲b					(profile-related) see online profile overview		
1x	Stroke limiting stop ⑳						238250	
2x	Horizontal locking ㉑			FFB		((PU 1 set))	((PU 5 sets))	
				750 - 900		235174	235183	
				901 - 1250		235177	235186	
				1251 - 1650		235180	235189	
2x	Vertical locking Gearbox espag, D 15 ㉒ ㉓		Handle position	FFH		((PU 1 set))	((PU 5 sets))	
			centre	650 - 1100		214014	214002	
			centre	1101 - 1450		214017	214005	
			centre	1451 - 1900		235192	235195	
			centre	1901 - 2350		214023	214011	
2x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲a ⑲b ⑲c ⑲d ⑲e ⑲f ⑲g ⑲h ⑲i ⑲j ⑲k ⑲l ⑲m ⑲n ⑲o ⑲p ⑲q ⑲r ⑲s ⑲t ⑲u ⑲v ⑲w ⑲x ⑲y ⑲z	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		750 - 900	1930	218973	218967	218970	218976	218979
		901 - 1050	2230	218988	218982	218985	218991	218994
		1051 - 1250	2630	219003	218997	219000	219006	219009
	Also for FFB 1450 or more: ㉔	1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
1x	Stay system + holding rail set ㉕ ㉖ ㉗ ㉘ ㉙ ㉚	FFB		silver	white	brown	med. bronze	RAL 9001
		750 - 900	left	235450	235468	235486	235504	235522
		901 - 1250	left	235453	235471	235489	235507	235525
		1251 - 1650	left	235456	235474	235492	235510	235528
1x	Stay system + holding rail set ㉛ ㉜ ㉝ ㉞ ㉟	750 - 900	right	235441	235459	235477	235495	235513
		901 - 1250	right	235444	235462	235480	235498	235516
		1251 - 1650	right	235447	235465	235483	235501	235519

for additional gear designs, see page 46
 for additional handle designs, see page 50

ATRIUM SP® komfort TWIN

PVC, scheme C* with loose post EG 15/15

A9/ A13	200 kg	
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ATRIUM SP® komfort TWIN

PVC, scheme C* with loose post EG 15/15

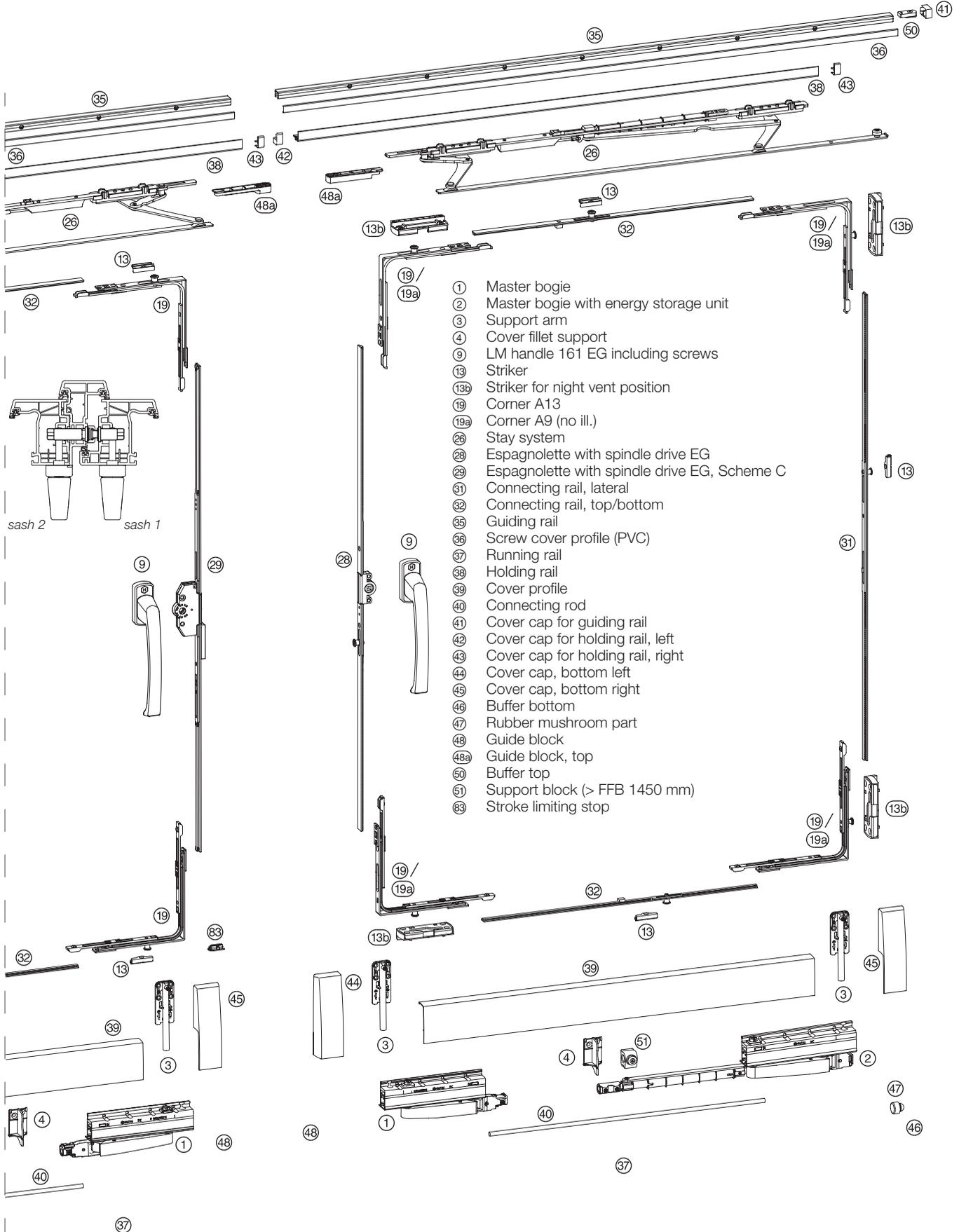


Item name		Item code	
1x	Carton bogies SW 200 kg (1a) (2a) (3)	left	241875
1x	Carton bogies SW 200 kg (1a) (2a) (3)	right	241872
2x	Carton of corner A13 (19)	for axis 13 mm	((PU 1 set) (PU 5 sets))
or		right and left usable	238031 238034
1x	Carton of corner A13 (19)	for axis 9 mm	(PU 1 set) (PU 5 sets)
1x	Carton of corner A9 (19a)	right and left usable	238031 241737 238034 241798
2x	LM HAUTAU design handle for gearbox espag	161 EG (9)	EV1 white brown F9
		161 EG-S (10)	206206 206209 207361 302744
		161 EG Pzl (11)	206215 206218 207367 302745
			206224 206227 207364 302746
2x	Bag of accessory striker (13)	(profile-related) see online profile overview	
1x	Bag of accessory French door sash strikers (13a) (with Eurogroove)	219135	
1x	Bag of accessory striker for night vent position (13b)	(profile-related) see online profile overview	
1x	Stroke limiting stop (3)	238250	
2x	Horizontal locking (32)	FFB	(PU 1 set) (PU 5 sets)
		1251 - 1650	235180 235189
		1651 - 2000	235180* 235189*
* in addition, 4 x set linkage 400 mm (33) (Item Code 207705) and matching strikers (profile-related) are required			
2x	Vertical locking Gearbox espag, D 15 (28) (31)	Handle position FFH	(PU 1 set) (PU 5 sets)
		centre 650 - 1100	214014 214002
		centre 1101 - 1450	214017 214005
		centre 1451 - 1900	235192 235195
		centre 1901 - 2350	214023 214011
		centre 2351 - 2700	214023* 214011*
* in addition, 8 x set linkage 400 mm (33) (Item Code 207705) and matching strikers (profile-related) are required			
2x	Set of rails (4) (35) (36) (37) (39) (40) (41) (44) (45) (46) (47) (48) (50)	FFB RAB	silver white brown med. bronze RAL 9001
	Also for FFB 1450 or more: (51)	1251 - 1450 3030	219018 219012 219015 219021 219024
		1451 - 1650 3430	219033 219027 219030 219036 219039
		1651 - 2000 4130	219063 219057 219060 219066 219069
1x	Stay system + holding rail set (26) (28) (42) (43) (48a)	FFB	silver white brown med. bronze RAL 9001
		1251 - 1650 left	235456 235474 235492 235510 235528
		1651 - 2000 left	241695 241698 241701 241704 241707
1x	Stay system + holding rail set (26) (28) (42) (43) (48a)	1251 - 1650 right	235447 235465 235483 235501 235519
		1651 - 2000 right	241710 241713 241716 241719 241722

for additional gear designs, see page 46
 for additional handle designs, see page 50

ATRIUM SP® komfort PVC, scheme C* with loose post EG 30/15

A9/ A13	160 kg	
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ATRIUM SP® komfort PVC, scheme C* with loose post EG 30/15



Item name		Item code						
1x	Carton bogies SW 160 kg ① ② ③				left	236127		
1x	Carton bogies SW 160 kg ① ② ③				right	236124		
2x	Carton of corner A13 ⑱		for axis 13 mm		((PU 1 set))	(PU 5 sets)		
or			right and left usable		238031	238034		
1x	Carton of corner A13 ⑱		for axis 9 mm		(PU 1 set)	(PU 5 sets)		
1x	Carton of corner A9 ⑲a		right and left usable		238031	238034		
					241737	241798		
2x	LM HAUTAU design handle for gearbox espag	161 EG ⑨		EV1	white	brown	F9	
		161 EG-S ⑩		206206	206209	207361	302744	
		161 EG Pzl ⑪		206215	206218	207367	302745	
				206224	206227	207364	302746	
2x	Bag of accessory striker ⑲				(profile-related) see online profile overview			
1x	Bag of accessory striker for night vent position ⑲a				(profile-related) see online profile overview			
1x	Stroke limiting stop ⑳						238250	
2x	Horizontal locking ㉓			FFB	(PU 1 set)	(PU 5 sets)		
				750 - 900	235174	235183		
				901 - 1250	235177	235186		
				1251 - 1650	235180	235189		
2x	Vertical locking Gearbox espag, D 15 ㉔ ㉕		Handle position	FFH	(PU 1 set)	(PU 5 sets)		
			centre	650 - 1100	214014	214002		
			centre	1101 - 1450	214017	214005		
			centre	1451 - 1900	235192	235195		
			centre	1901 - 2350	214023	214011		
1x	Vertical locking Gearbox espag for French door sash, D 30 ㉖ ㉗		Handle position	FFH	(PU 1 set)			
			centre	650 - 1100	214038			
			centre	1101 - 1450	214041			
			centre	1451 - 1900	236118			
			centre	1901 - 2350	214047			
2x	Set of rails ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ Also for FFB 1450 or more: ㉒	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		750 - 900	1930	218973	218967	218970	218976	218979
		901 - 1050	2230	218988	218982	218985	218991	218994
		1051 - 1250	2630	219003	218997	219000	219006	219009
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
1x	Stay system + holding rail set ㉓ ㉔ ㉕ ㉖ ㉗	FFB		silver	white	brown	med. bronze	RAL 9001
		750 - 900*	left	235450	235468	235486	235504	235522
		901 - 1250*	left	235453	235471	235489	235507	235525
		1251 - 1650	left	235456	235474	235492	235510	235528
1x	Stay system + holding rail set ㉓ ㉔ ㉕ ㉖ ㉗	750 - 900*	right	235441	235459	235477	235495	235513
		901 - 1250*	right	235444	235462	235480	235498	235516
		1251 - 1650	right	235447	235465	235483	235501	235519

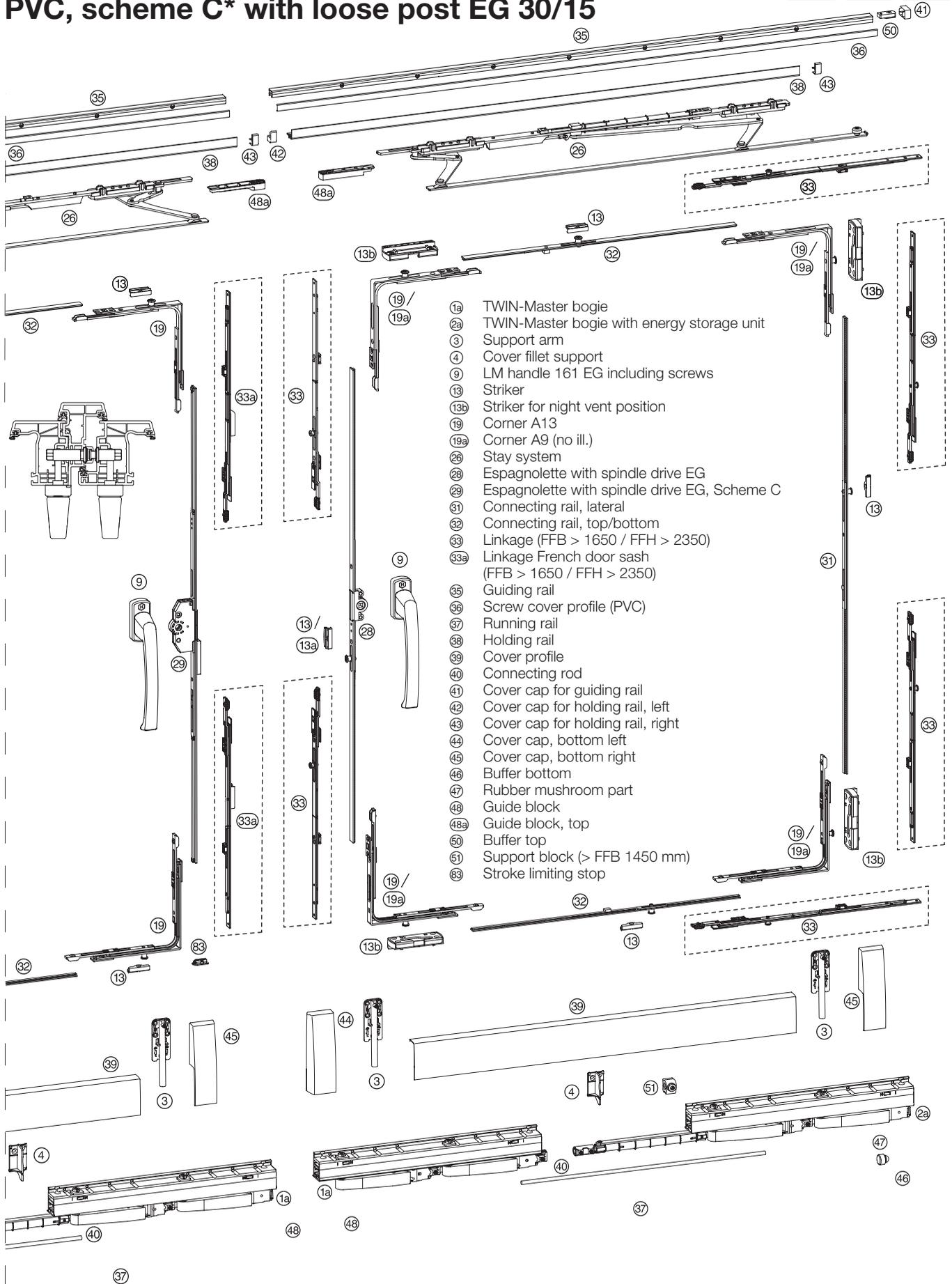
* alternative range of application for sash 2 (Scheme C)
 Stay system + holding rail set 1 = FFB: 770 - 920
 Stay system + holding rail set 2 = FFB: 921 - 1250

for additional gear designs, see page 46
 for additional handle designs, see page 50

ATRIUM SP® komfort TWIN

PVC, scheme C* with loose post EG 30/15

A9/ A13	200 kg	
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- 1a TWIN-Master bogie
- 2a TWIN-Master bogie with energy storage unit
- 3 Support arm
- 4 Cover fillet support
- 9 LM handle 161 EG including screws
- 13 Striker
- 13b Striker for night vent position
- 19 Corner A13
- 19a Corner A9 (no ill.)
- 26 Stay system
- 28 Espagnolette with spindle drive EG
- 29 Espagnolette with spindle drive EG, Scheme C
- 31 Connecting rail, lateral
- 32 Connecting rail, top/bottom
- 33 Linkage (FFB > 1650 / FFH > 2350)
- 33a Linkage French door sash (FFB > 1650 / FFH > 2350)
- 35 Guiding rail
- 36 Screw cover profile (PVC)
- 37 Running rail
- 38 Holding rail
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guiding rail
- 42 Cover cap for holding rail, left
- 43 Cover cap for holding rail, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer bottom
- 47 Rubber mushroom part
- 48 Guide block
- 48a Guide block, top
- 50 Buffer top
- 51 Support block (> FFB 1450 mm)
- 83 Stroke limiting stop

ATRIUM SP® komfort TWIN

PVC, scheme C* with loose post EG 30/15



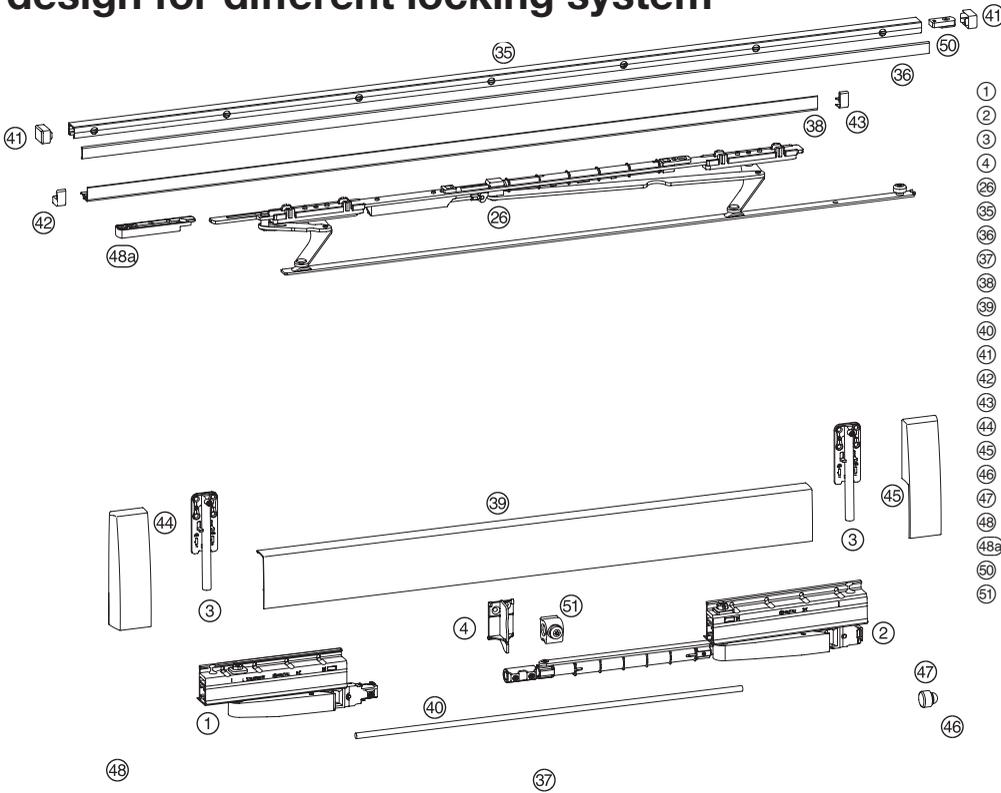
Item name		Item code						
1x	Carton bogies SW 200 kg (1a) (2a) (3)					left	241875	
1x	Carton bogies SW 200 kg (1a) (2a) (3)					right	241872	
2x	Carton of corner A13 (19)		for axis 13 mm			((PU 1 set)	(PU 5 sets)	
or			right and left usable			238031	238034	
1x	Carton of corner A13 (19)		for axis 9 mm			(PU 1 set)	(PU 5 sets)	
1x	Carton of corner A9 (19a)		right and left usable			238031	238034	
						241737	241798	
2x	LM HAUTAU design handle for gearbox espag	161 EG (9)		EV1	white	brown	F9	
		161 EG-S (10)		206206	206209	207361	302744	
		161 EG Pzl (11)		206215	206218	207367	302745	
				206224	206227	207364	302746	
2x	Bag of accessory striker (13a)					(profile-related) see online profile overview		
1x	Bag of accessory striker for night vent position (13b)					(profile-related) see online profile overview		
1x	Stroke limiting stop (8)						238250	
2x	Horizontal locking (32)			FFB		(PU 1 set)	(PU 5 sets)	
				1251 - 1650		235180	235189	
				1651 - 2000		235180*	235189*	
				* in addition, 4 x set linkage 400 mm (33) (Item Code 207705) and matching strikers (profile-related) are required				
1x	Vertical locking Gearbox espag, D 15 (28) (31)		Handle position	FFH		(PU 1 set)	(PU 5 sets)	
			centre	650 - 1100		214014	214002	
			centre	1101 - 1450		214017	214005	
			centre	1451 - 1900		235192	235195	
			centre	1901 - 2350		214023	214011	
			centre	2351 - 2700		214023*	214011*	
				* in addition, 6 x set linkage 400 mm (33) (Item Code 207705) and matching strikers (profile-related) are required				
1x	Vertical locking Gearbox espag for French door sash, D 30 (28) (31)		Handle position	FFH		(PU 1 set)		
			centre	650 - 1100		214038		
			centre	1101 - 1450		214041		
			centre	1451 - 1900		236118		
			centre	1901 - 2350		214047		
			centre	2351 - 2700		214047*		
				* in addition, 2 x set linkage 400 mm (33a) (Item code 224316)				
2x	Set of rails (4) (35) (36) (37) (38) (40) (41) (44) (45) (46) (47) (48) (50)	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
	Also for FFB 1450 or more: (51)	1651 - 2000	4130	219063	219057	219060	219066	219069
1x	Stay system + holding rail set (26) (38) (42) (43) (48a)	FFB		silver	white	brown	med. bronze	RAL 9001
		1251 - 1650	left	235456	235474	235492	235510	235528
		1651 - 2000	left	241695	241698	241701	241704	241707
1x	Stay system + holding rail set (26) (38) (42) (43) (48a)	1251 - 1650	right	235447	235465	235483	235501	235519
		1651 - 2000	right	241710	241713	241716	241719	241722

for additional gear designs, see page 46
 for additional handle designs, see page 50

ATRIUM SP® komfort

design for different locking system

160 kg

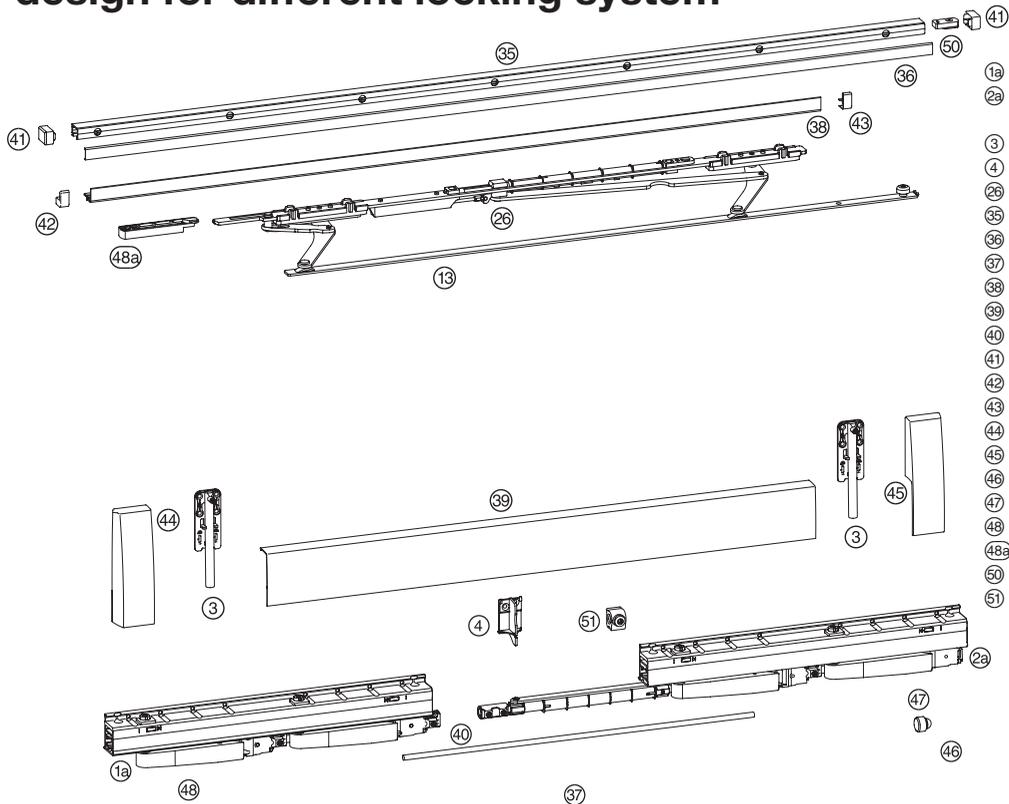


- ① Master bogie
- ② Master bogie with energy storage unit
- ③ Support arm
- ④ Cover fillet support
- ⑥ Stay system
- ⑤ Guiding rail
- ⑥ Screw cover profile (PVC)
- ⑦ Running rail
- ⑧ Holding rail
- ⑨ Cover profile
- ⑩ Connecting rod
- ⑪ Cover cap for guiding rail
- ⑫ Cover cap for holding rail, left
- ⑬ Cover cap for holding rail, right
- ⑭ Cover cap, bottom left
- ⑮ Cover cap, bottom right
- ⑯ Buffer bottom
- ⑰ Rubber mushroom part
- ⑱ Guide block
- ⑲a Guide block, top
- ⑳ Buffer top
- ㉑ Support block (> FFB 1450 mm)

ATRIUM SP® komfort TWIN

design for different locking system

200 kg



- ①a TWIN-Master bogie
- ②a TWIN-Master bogie with energy storage unit
- ③ Support arm
- ④ Cover fillet support
- ⑥ Stay system
- ⑤ Guiding rail
- ⑥ Screw cover profile (PVC)
- ⑦ Running rail
- ⑧ Holding rail
- ⑨ Cover profile
- ⑩ Connecting rod
- ⑪ Cover cap for guiding rail
- ⑫ Cover cap for holding rail, left
- ⑬ Cover cap for holding rail, right
- ⑭ Cover cap, bottom left
- ⑮ Cover cap, bottom right
- ⑯ Buffer bottom
- ⑰ Rubber mushroom part
- ⑱ Guide block
- ⑲a Guide block, top
- ⑳ Buffer top
- ㉑ Support block (> FFB 1450 mm)

ATRIUM SP® komfort

design for different locking system

160 kg

Item name		Item code						
					left	right		
1x	Carton bogies SW 160 kg ① ② ③				236127	236124		
1x	Set of rails ④ ③⑤ ③⑥ ③⑦ ③⑧ ④① ④② ④③ ④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① Also for FFB 1450 or more: ⑤①	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		750 - 900	1930	218973	218967	218970	218976	218979
		901 - 1050	2230	218988	218982	218985	218991	218994
		1051 - 1250	2630	219003	218997	219000	219006	219009
		1251 - 1450	3030	219018	219012	219015	219021	219024
	1451 - 1650	3430	219033	219027	219030	219036	219039	
1x	Stay system + holding rail set ②⑥ ②⑧ ④② ④③ ④⑧a	FFB		silver	white	brown	med. bronze	RAL 9001
		750 - 900	left	235450	235468	235486	235504	235522
		901 - 1250	left	235453	235471	235489	235507	235525
		1251 - 1650	left	235456	235474	235492	235510	235528
		750 - 900	right	235441	235459	235477	235495	235513
		901 - 1250	right	235444	235462	235480	235498	235516
		1251 - 1650	right	235447	235465	235483	235501	235519

ATRIUM SP® komfort TWIN

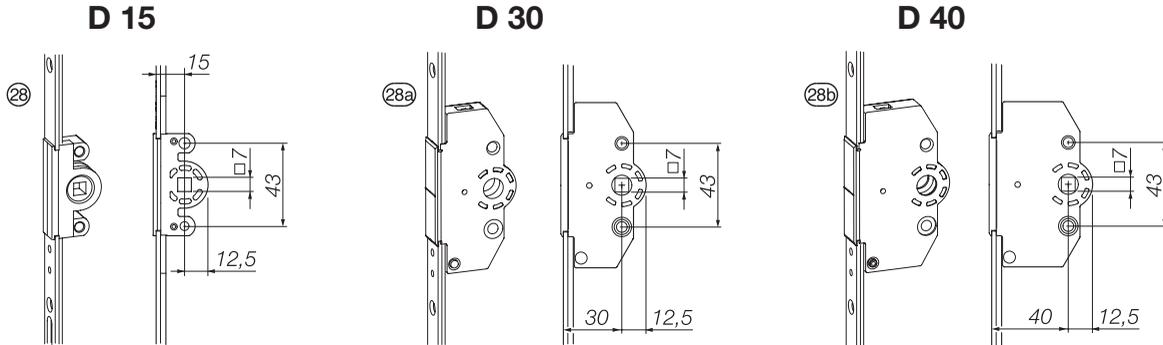
design for different locking system

200 kg

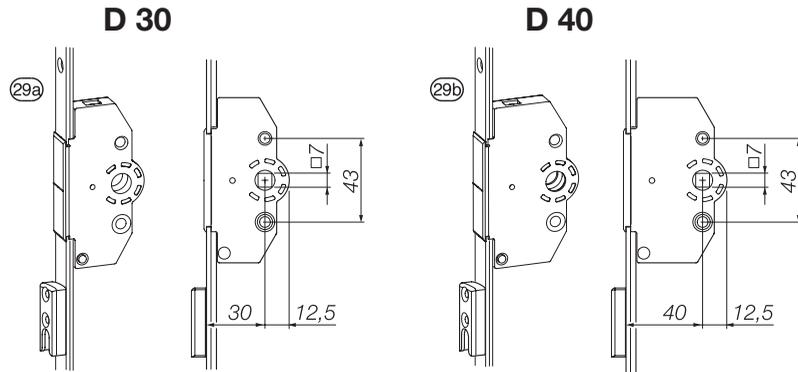
Item name		Item code						
					left	right		
1x	Carton bogies TWIN SW 200 kg ①a ②a ③				241872	241875		
1x	Set of rails ④ ③⑤ ③⑥ ③⑦ ③⑧ ④① ④② ④③ ④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① Also for FFB 1450 or more: ⑤①	FFB	RAB	silver	white	brown	med. bronze	RAL 9001
		1251 - 1450	3030	219018	219012	219015	219021	219024
		1451 - 1650	3430	219033	219027	219030	219036	219039
		1651 - 2000	4130	219063	219057	219060	219066	219069
1x	Stay system + holding rail set ②⑥ ②⑧ ④② ④③ ④⑧a	FFB		silver	white	brown	med. bronze	RAL 9001
		1251 - 1650	left	235456	235474	235492	235510	235528
		1651 - 2000	left	241695	241698	241701	241704	241707
		1251 - 1650	right	235447	235465	235483	235501	235519
		1651 - 2000	right	241710	241713	241716	241719	241722

Gear types

Standard-EG



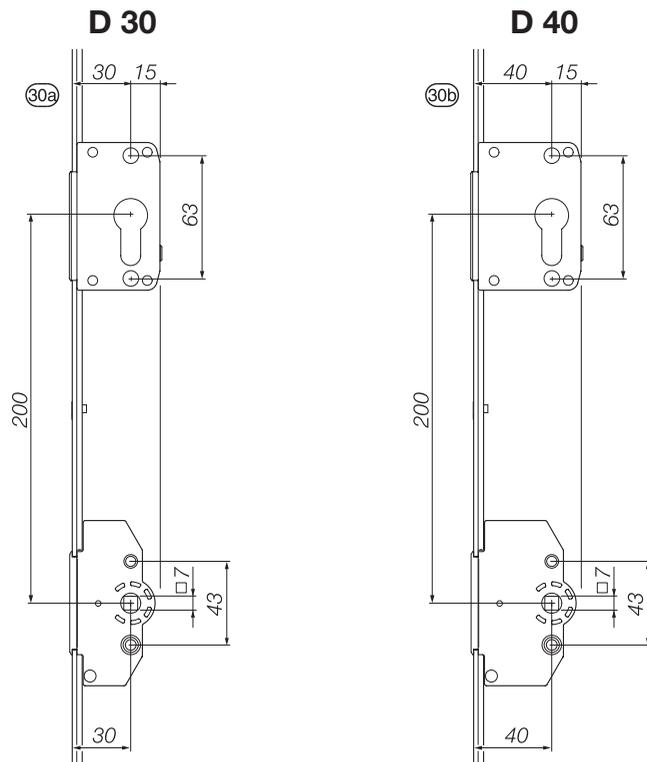
EG French door



Connecting rail, lateral



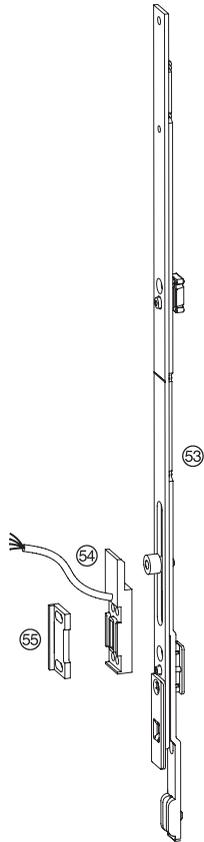
EG, lockable (profile cylinder)



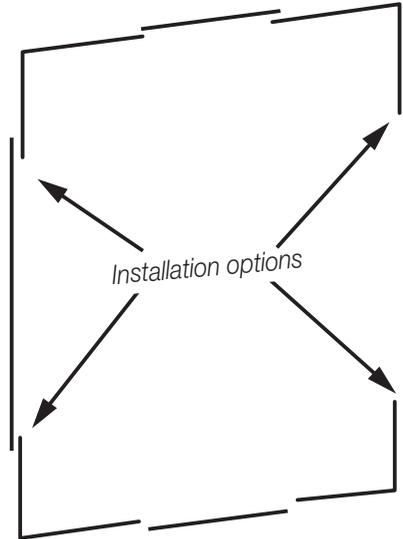
Gear types

Item name	Handle position	FFH	Item code	
			(PU 1 set)	(PU 5 sets)
Vertical locking Gearbox espag, D 15 ⑳ ㉑	centre	650 - 1100	214014	214002
	centre	1101 - 1450	214017	214005
	centre	1451 - 1900	235192	235195
	centre	1901 - 2350	214023	214011
Vertical locking Gearbox espag with increased backsets, D 30 ㉒ ㉑	centre	650 - 1100	214026	
	centre	1101 - 1450	214029	
	centre	1451 - 1900	236115	
	centre	1901 - 2350	214035	
Vertical locking Gearbox espag with increased backsets, D 40 ㉓ ㉑	centre	650 - 1100	238037	
	centre	1101 - 1450	238040	
	centre	1451 - 1900	238043	
	centre	1901 - 2350	238046	
Vertical locking Gearbox espag for French door sash, D 30 ㉔ ㉑	centre	650 - 1100	214038	
	centre	1101 - 1450	214041	
	centre	1451 - 1900	236118	
	centre	1901 - 2350	214047	
Vertical locking Gearbox espag for French door sash, D 40 ㉕ ㉑	centre	650 - 1100	238238	
	centre	1101 - 1450	238241	
	centre	1451 - 1900	238244	
	centre	1901 - 2350	238247	
Vertical locking Gearbox espag, lockable, D 30 ㉖ ㉑	centre	1100 - 1450	214050	
	centre	1451 - 1900	235198	
	centre	1901 - 2350	214056	
Vertical locking Gearbox espag, lockable, D 40 ㉗ ㉑	centre	1100 - 1450	214059	
	centre	1451 - 1900	236121	
	centre	1901 - 2350	214065	

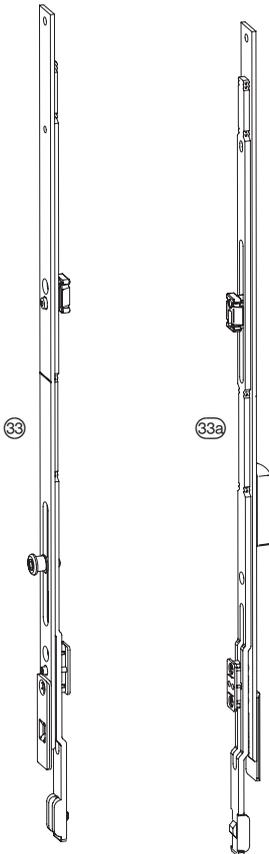
Locking devices monitoring



- ⑤③ Linkage 400 VK
- ⑤④ Magnetic contact
- ⑤⑤ Packer



Linkages



- ③③ Linkage
- ③③a Linkage, scheme C

Locking devices monitoring

Item name	Item code
Set locked state monitoring without packer  	221659
Set locked state monitoring with packer 1   	221662
Set locked state monitoring with packer 2   	221665
Set locked state monitoring with packer 3   	221668
Set locked state monitoring with packer 4   	221671
Set locked state monitoring with packer 5   	221674
Set locked state monitoring with packer 6   	221677

Set contents:

Linkage 400 VK  (Item code: 215037)

Magnetic contact KVS 10 m  (Item code: 226240)

Only set 1-6: Packer magnetic contact KVS  (Item code: **1** = 226243; **2** = 226246; **3** = 226249; **4** = 226252; **5** = 226255; **6** = 226258)

Example:

Item code	Item name
221659	Locked state monitoring without packer Contents: 215037 Linkage 400 VK 226240 Magnetic contact KVS 10 m without packer
221662	Locked state monitoring with packer 1 Contents: 215037 Linkage 400 VK 226240 Magnetic contact KVS 10 m 226243 Packer magnetic contact KVS 1...

Note:

For the profile list associated with the set version you need to select, refer to the online striker table that is provided on our website.

Linkages

Item name	Item code
Linkage 400 mm (can be shortened by 200 mm) 	207705
Linkage 400 mm (can be shortened by 200 mm) for French door sash 	224316

Handle sets



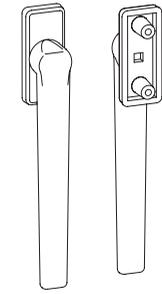
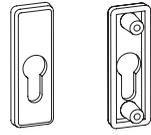
⑨ HAUTAU design handle
161 EG



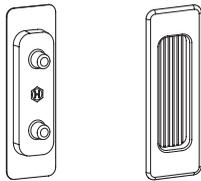
⑩ HAUTAU design handle
161 EG-S



⑪ HAUTAU design handle
161 EG-Pzl



⑫ HAUTAU design handle
161 EG-PzA



⑦ External finger grip

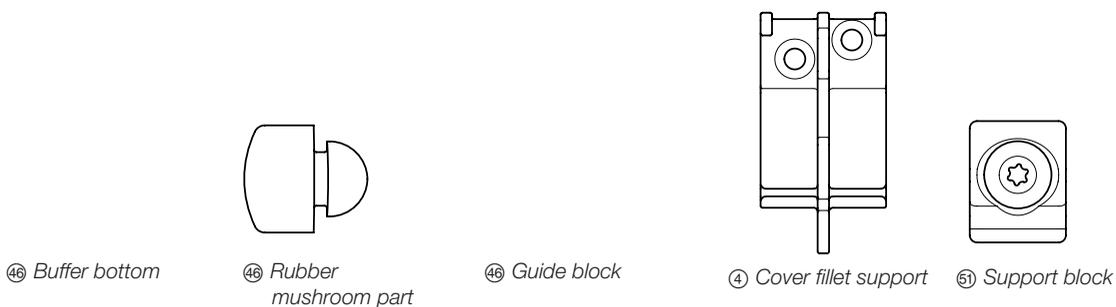
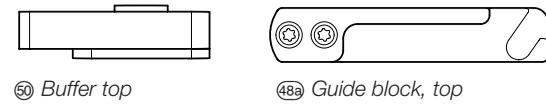
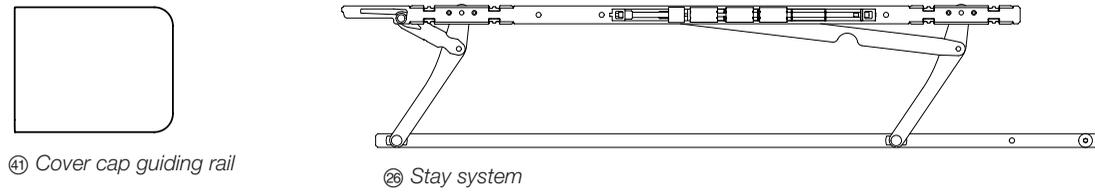
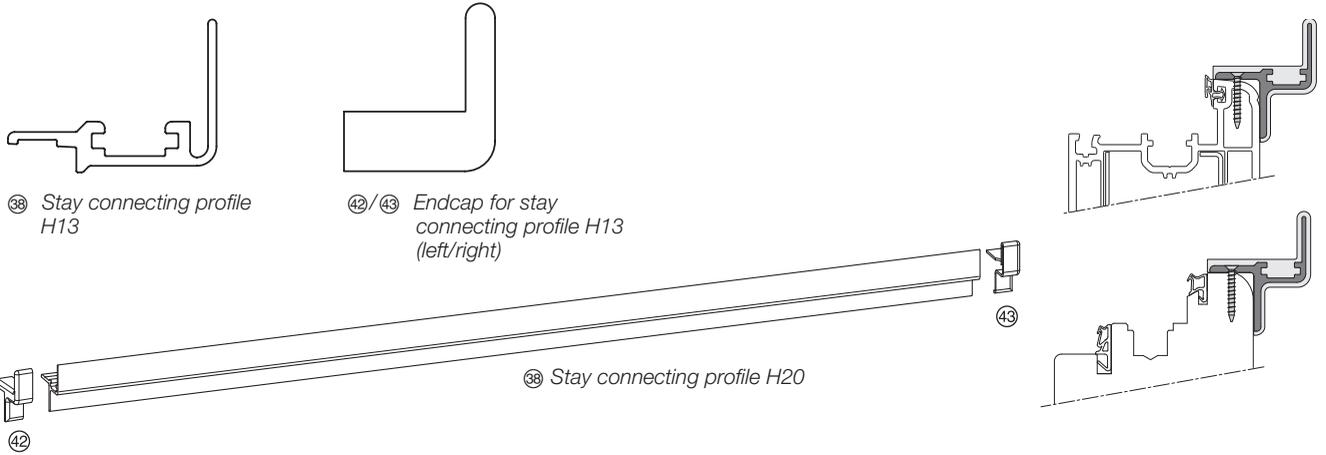
* Range of application:
max. sash profile depth
(FT): 90 mm

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Handle sets

Item name		EV1	Item code		
			white	brown	F9
LM HAUTAU design handle for gearbox espag	161 EG ⑨	206206	206209	207361	302744
	161 EG-S ⑩	206215	206218	207367	302745
	161 EG-Pzl ⑪	206224	206227	207364	302746
	160 EG-PzA ⑫	163272	163275	163278	302747
External finger grip incl. screws ⑦			silver	white	
			223551	223548	

Stock length / accessories



Stock length / accessories

Item name	blank	EV1	white	Item code		
				brown	med. bronze	RAL 9001
Bag of accessory (PU 10 Sets) ④① ④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① ⑤②	-	208546	208540	208543	208549	208552

Item name	Item code
Bag of cover fillet support / support block ④ ⑤① also for FFB 1450 or more	208510

Item name		blank	silver	white	Item code		
					brown	med. bronze	RAL 9001
Stay connecting profile H13 standard ③⑨	L 5220 mm	237689	232699	232693	232696	232702	232705
Stay connecting profile H20 ③⑨*	L 5220 mm	-	222468	222486	222489	222462	222456
Cover profile ③⑨	L 5190 mm	216285	216288	216300	216291	216294	216297

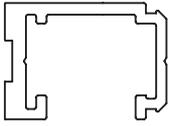
Item name		grey	white	Item code		
				black	med. bronze	RAL 9001
Endcaps for stay connecting profile H13, left ④②		230959	230965	236864	233017	219498
Endcaps for stay connecting profile H13, right ④③		230962	230968	236867	233020	219495
Endcaps for stay connecting profile H20, left ④②		222414	155123	156458	222420	222408
Endcaps for stay connecting profile H20, right ④③		222411	155120	156461	222417	222405

Item name		Item code		
		galvanized (HAUTAU-S plus)		
Connecting rod ④①	L 3600 mm			110387
Set stay system ②⑥ ④⑧⑨		FFB		
		750 - 900	left	right
		901 - 1250	233074	233065
		1251 - 1650	233077	233068
			233080	233071

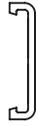
Item name		Item code			
		FFB	silver	white	brown
Set Stay system and stay connecting profile H20 incl. Guide block and endcaps ②⑥ ③⑨ ④② ④③	left	750 - 900	236876	236885	236894
		901 - 1250	236879	236888	236897
		1251 - 1650	236882	236891	236890
	right	750 - 900	236921	236930	236939
		901 - 1250	236924	236933	236942
		1251 - 1650	236927	236936	236945

* reference: use for the stay connecting profile H20 s. profile overview

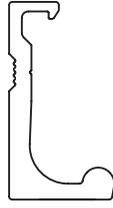
Stock length / accessories



③⑤ Guiding rail



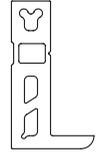
③⑥ Screw cover profile (PVC)



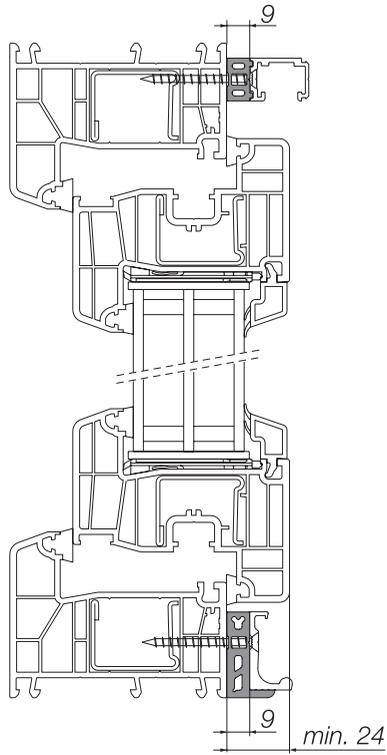
③⑦ Running rail



③② Support profile for guiding rail



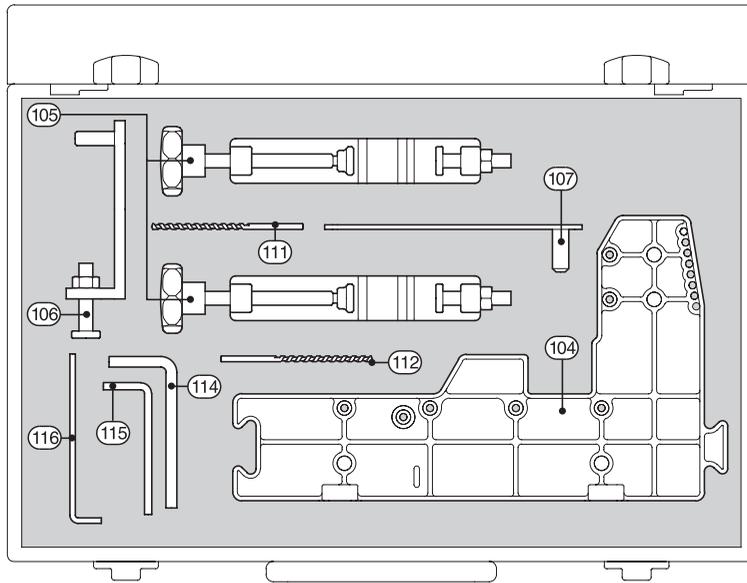
③③ Support profile for running rail



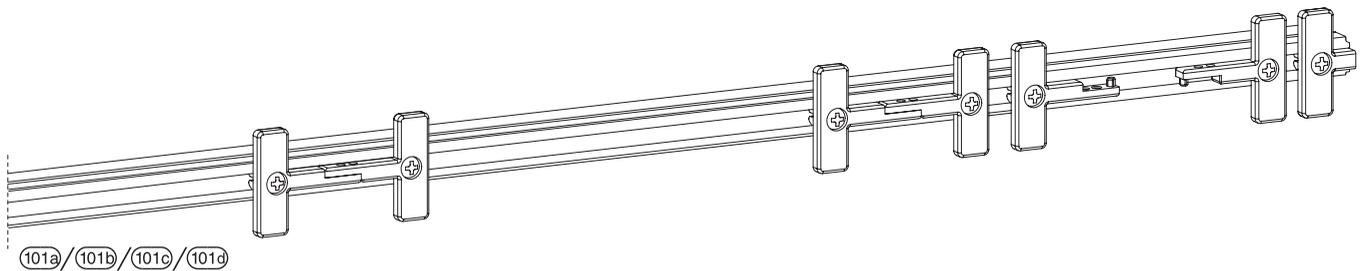
Stock length / accessories

Item name		blank	EV1	white	Item code			RAL 9001
					brown	med. bronze		
Guiding rail ⑤	L 6070 mm	-	113066	-	-	-	-	
Running rail ⑦	L 6070 mm	226195	226186	-	226192	226189	-	
Screw cover profile (PVC) ⑥	L 6080 mm	-	224346	127046	175515	127043	158273	
Support profile for guiding rail ②	L 3035 mm			(profile-related) see online profile overview			grey 240484	
Support profile for running rail ③	L 3035 mm			(profile-related) see online profile overview			grey 239429	

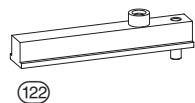
Mounting tools



Jig set



101a / 101b / 101c / 101d



122

- 101a Inserting jig for strikers top
- 101b Inserting jig for strikers bottom
- 101c Inserting jig for night vent strikers,
handle- and none-handle side for PVC windows
- 101d Inserting jig for night vent strikers,
handle- and non-handle side for timber windows
- 122 Jig for stay system fixation

Mounting tools

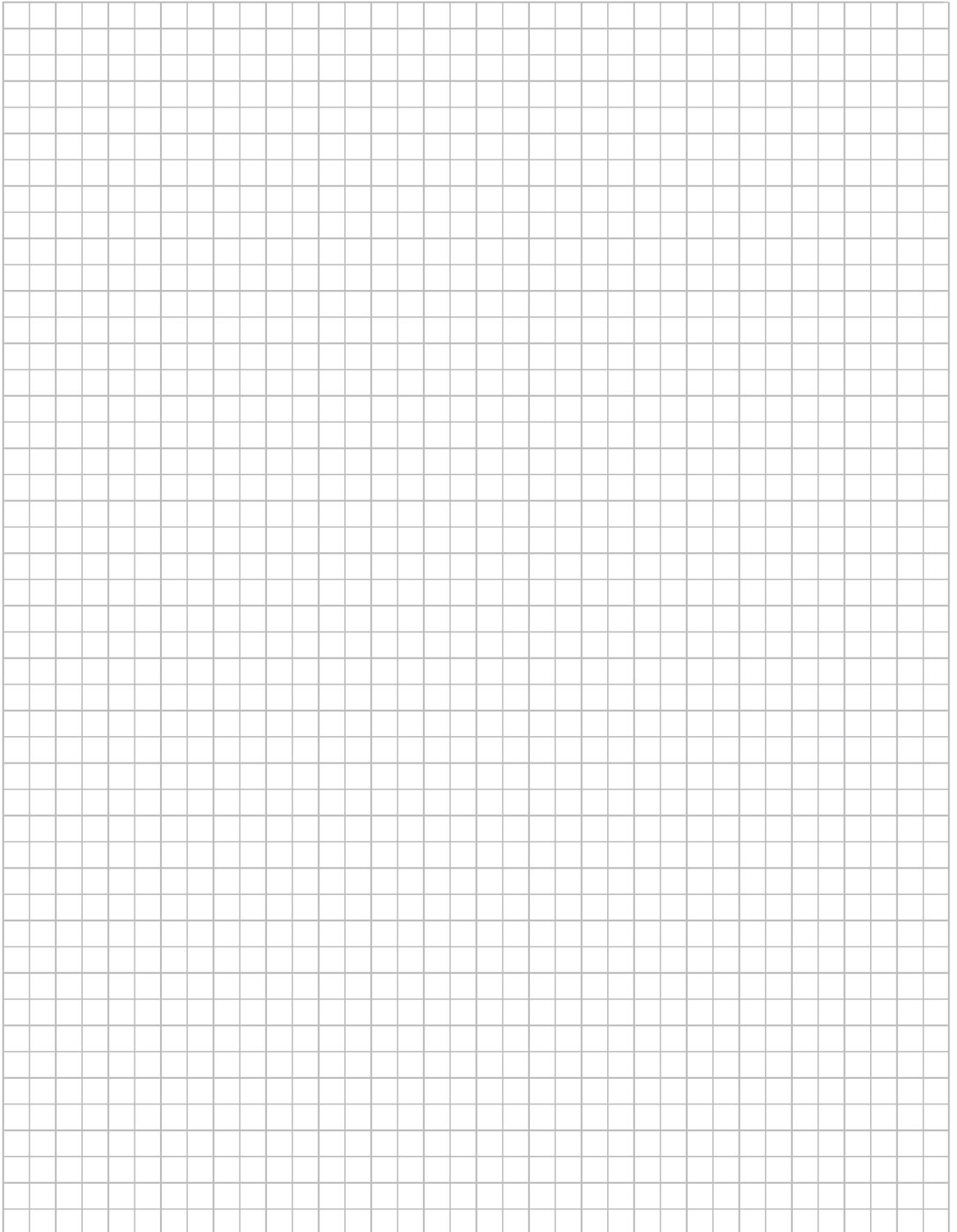
Item name Item code

Jig set ATRIUM SP® komfort		236375
	Jig for bogie (104)	215277
	Screw jig for guiding rail and running rail (105)	238360
	Screw jig - guide block (106)	215301
Contents	Screw jig (107)	110747
Jig set:	Twist drill Ø 3.2 (111)	219651
	Twist drill Ø 4.2 (112)	215010
	Allen wrench TX 15 (114)	219744
	Allen wrench TX 25 (115)	215013
	Allen wrench TX 40 (116)	215016
Inserting jig for strikers top (101a)	for timber / PVC windows	241500
Inserting jig for strikers bottom (101b)	for timber / PVC windows	241503
Inserting jig for night vent strikers handle- and non-handle side (101c)	for PVC windows	241506
Inserting jig for night vent strikers handle- and non-handle side (101d)	for timber windows	241509
Jig for stay system fixation (122)		243493

Documentation

Document	Language	Item code
Installation instructions ATRIUM SP® komfort	German	234988
	English	234991
Maintenance and operating manual ATRIUM SP® komfort	International	235873
Supplementary instructions ATRIUM SP® komfort TWIN (SW > 160 kg) / FFH > 2350 / FFB > 1650	German	241869
	English	241866
Installation instructions ATRIUM SP® komfort – Scheme C	German	245041
	English	245044
Installation instructions ATRIUM SP® komfort – instruction for final installation	German	240499
	English	240496
Supplementary instructions ATRIUM SP® komfort, RC2	German	238280
	English	238283
Supplementary instructions ATRIUM SP® komfort / Alu-SP® komfort – External finger grip	German / English	238049

Notes



MADE IN GERMANY

Experience, creativity and cutting-edge expertise – HAUTAU's specialist knowledge sets benchmarks worldwide, defining technical standards to create perfection in hardware systems and window automation.

Probably more than any other company, HAUTAU has dealt with all window opening types and operation systems. Over 400 patents, numerous utility models and a global market presence serve as a testament to HAUTAU's success.