

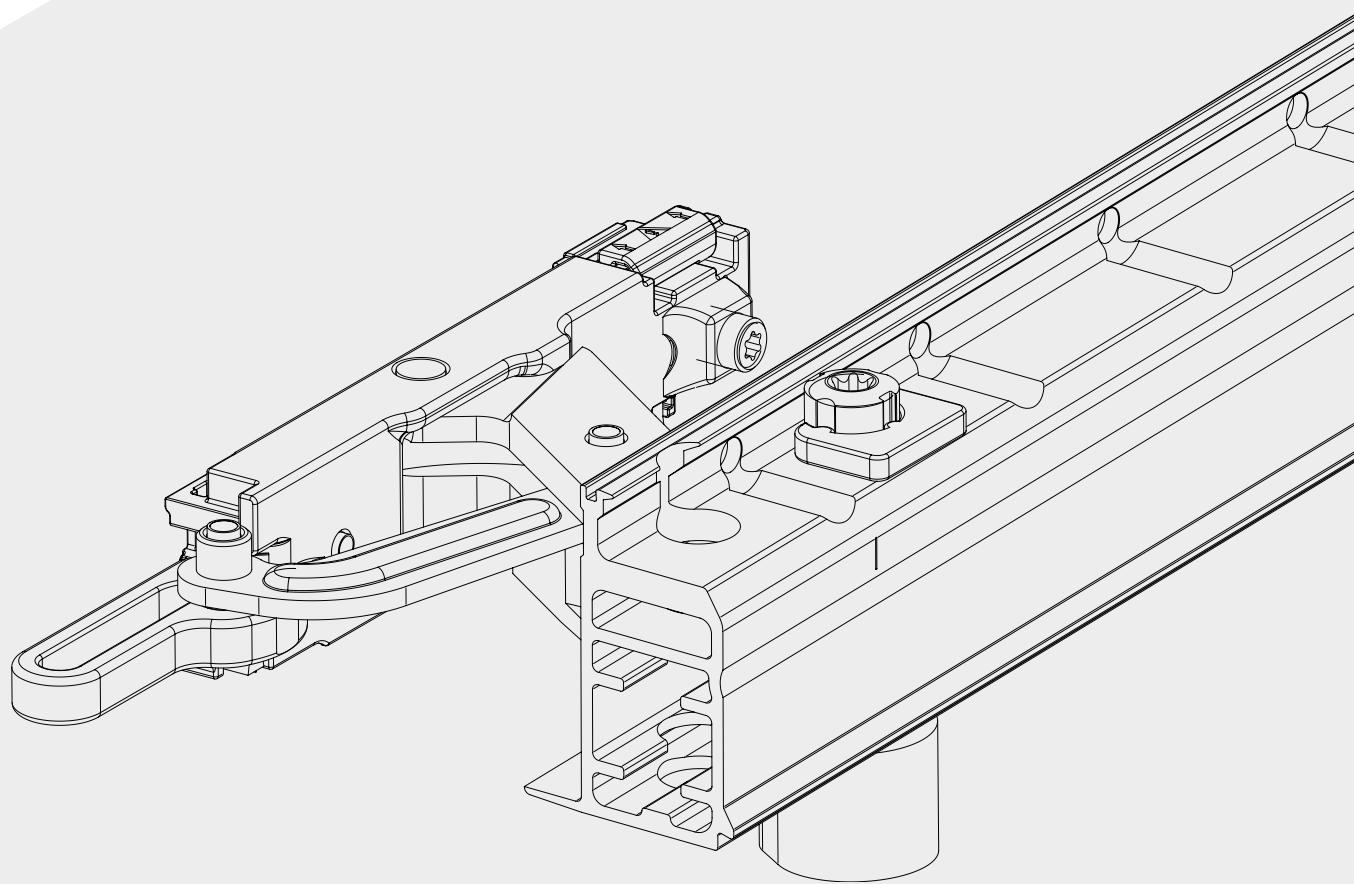
ATRIUM®HKS

tilt and slide



HAUTAU

OPENS NEW DIMENSIONS



HARDWARE CATALOGUE 2020
TIMBER / PVC

Tilt and Slide Fittings

ATRIUM HKS®

Version Spring 2020

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

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Notes

ATRIUM HKS®
for timber or PVC tilt and slide elements
for sash weights up to 200 kg.



Opening width of 125 mm

This makes this fitting an excellent choice for deep sash profiles and meets all requirements expected from highly efficient heat insulating window systems.

Bogie design requiring only 35 mm of space, maximum roller diameter, concealed control system and self-locking height adjustment

The bogies of the ATRIUM HKS® have a roller diameter of 28 mm and require only 35 mm of space. It is for a long lifespan as well as smooth and convenient operation. Only one tool is required to adjust the sash thanks to the self-locking height adjustment including safety clip.

Bogje ATRIUM HKS 200 TWIN

The bogie ATRIUM HKS® TWIN including one-part housing reliably supports sash weights of up to 200 kg. The preassembled bogies reduce the fabrication time considerably.

Anti-mishandling device HAUTAU onTop

This anti-mishandling device works in an efficient and convenient way. It also prevents the sash from being lifted out. Thanks to its position facing away from the handle on the sash side, the anti-mishandling device can also be used in combination with French doors (scheme C).

Sash height up to 2700 mm

Thanks to the rugged design of its stays and bogies, the ATRIUM HKS® can be used for sash rebate heights of up to 2700 mm. This fitting system is meeting the architectonic challenge for floor-to-ceiling window doors.

Bottom track

Sash weights of up to 160 kg no longer need to be supported.

PVC spring-loaded catches

The spring-loaded catches made of special PVC let the fitting engage smoothly into its tilt position and, thereby, guarantee its reliable and convenient operation.

Tested and certified quality

The endurance functionality of the ATRIUM HKS® Z, HKS 200 Z TWIN, HKS 160 S and HKS 100 S being tested by a notified testing institute according to EN 13126-17 has been classified in the highest category with 25.000 cycles. The constant quality is monitored in line with the Q-Zert program QM 347.



Slide position

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)
HKS 200 Z	-	5	160	0	1	4	-	17	1200 mm/2000 mm
HKS 200 Z TWIN	-	5	200	0	1	4	-	17	1200 mm/2000 mm
HKS 160 S	-	5	160	0	1	4	-	17	1200 mm/2000 mm
HKS 100 S	-	5	100	0	1	4	-	17	1200 mm/2000 mm

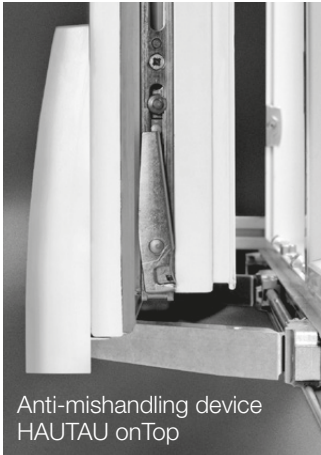
- Universal cam HAUTAU URZ. This smoothly operating roller cam adjusts automatically to any fittings cavity tolerances and ensures permanent convenient operation. Since it is used in combination with security strikers, the HAUTAU URZ ensures RC2 security level.
- Secure opening position and further improved permanent operation thanks to a stay design including joint mechanics
- Automatic sash engagement in the slide position for easy operation
- Secure frame-sash connection with visual control option thanks to PVC-gliders
- The compact design of the control plates provides for a high-grade look and makes the system easy to clean
- Simplified installation thanks to movable connecting clips
- Height adjustment requires only one tool
- Non-soiling guide block with concealed entry for faultless permanent operation

Combined with HAUTAU design handle including gear with fork drive (AG)

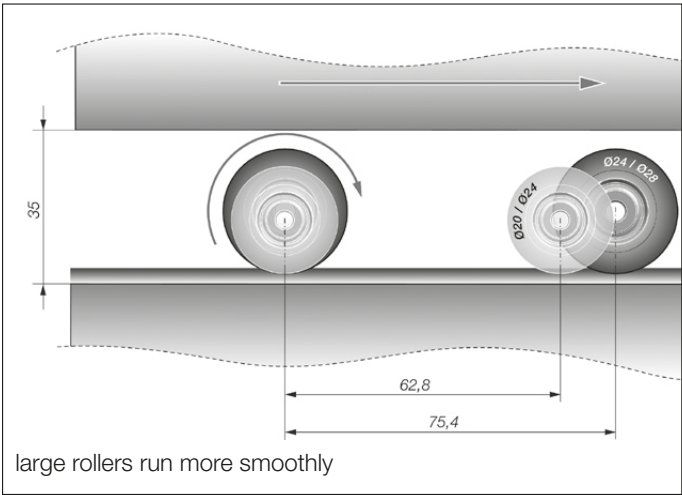
- Installation preparation requires no drill bit change thanks to same size drill diameter for bogies and espag handle
- Optimised screw connection points inside the handle of the gear with fork drive provide for a more efficient installation
- Increased functional reliability thanks to reduced play in the connection between the handle of the gear with fork drive and the central locking gear
- Central locking components locked in centre position
- French door strikers pre-installed on the espagnolette with spindle drive
- Top and bottom fitting parts reliably stop the sash in any opening position
- Cleaning brushes on the bogies ensure a long lifespan and smooth operation
- Short distance between supporting bolt and sash for perfect weight support and minimum stress on the sash profile
- Narrow, shapely bogie cover
- The stay packet with its installation height of only 9 mm provides for the height adjustment of the sash



height adjustment



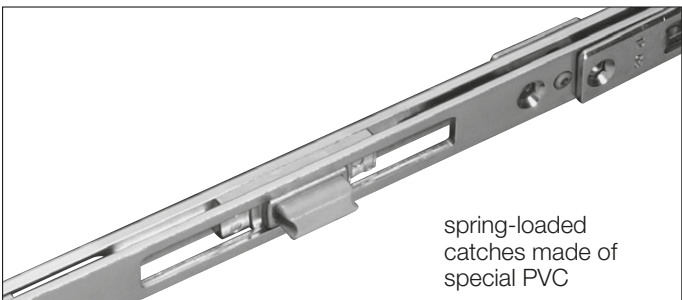
Anti-mishandling device
HAUTAU onTop



large rollers run more smoothly

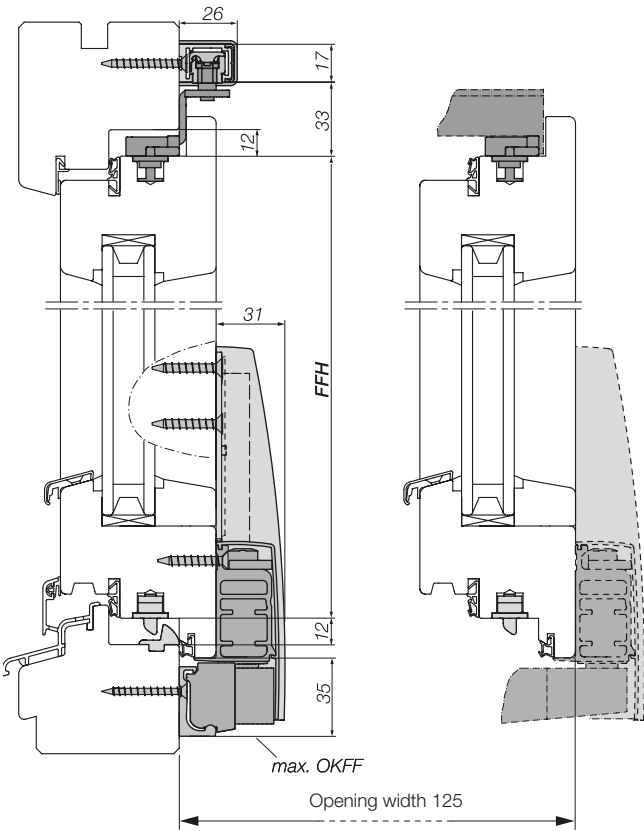


Reduced play in the connection
between the handle including
gear with fork drive and the
central locking gear

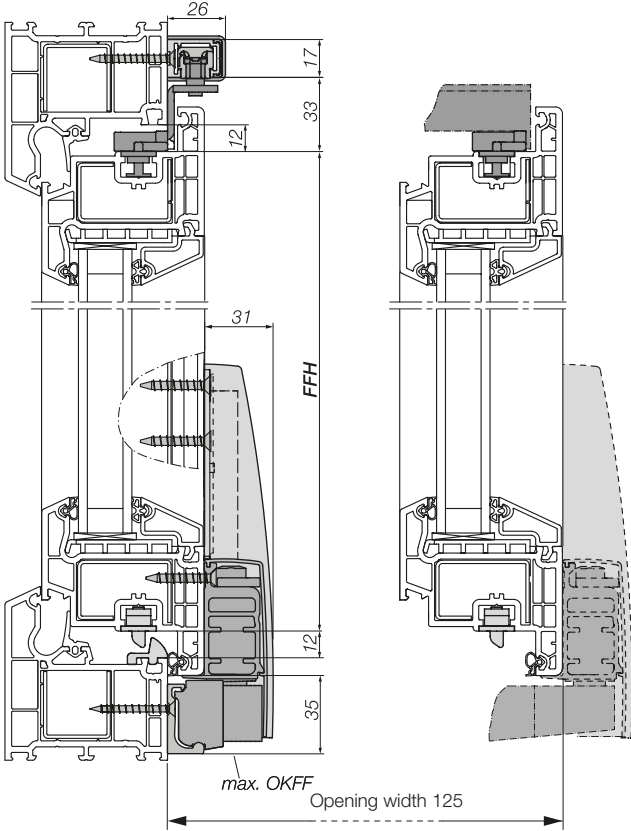


spring-loaded
catches made of
special PVC

Range of application ATRIUM HKS® Z

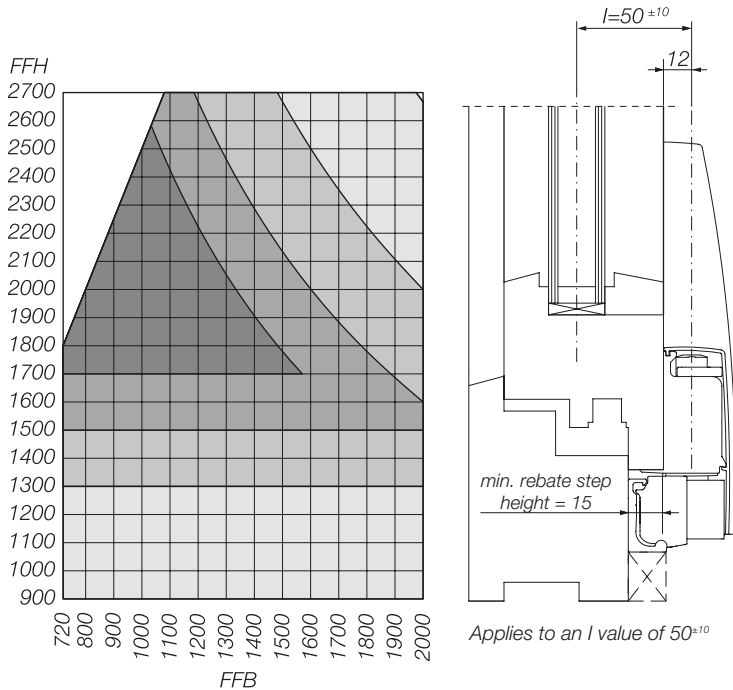


Vertical section timber



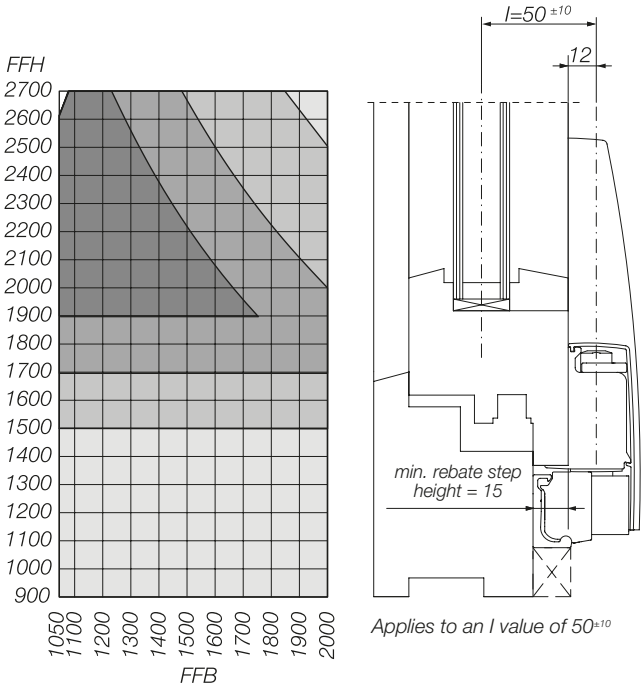
Vertical section PVC

ATRIUM HKS® 200 Z



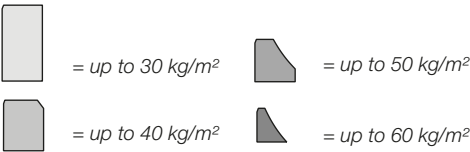
Sash rebate width (FFB) 720 to 2000 mm
 Sash rebate height (FFH) 900 to 2700 mm
 Sash weight max. 160 kg

ATRIUM HKS® 200 Z with TWIN bogies

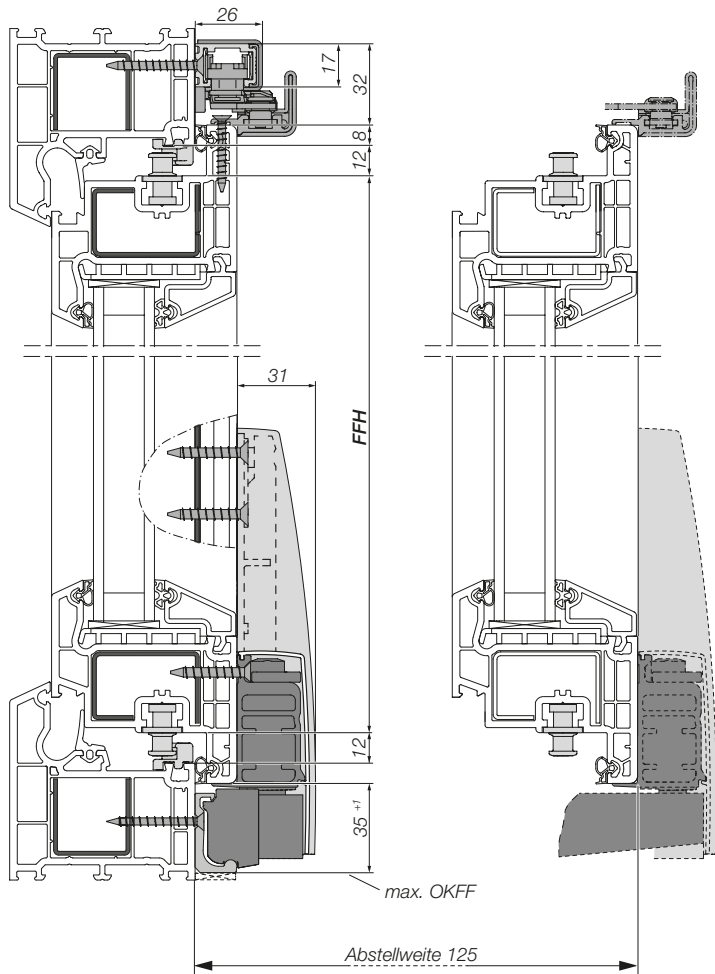


Sash rebate width (FFB) 1050 to 2000 mm
 Sash rebate height (FFH) 900 to 2700 mm
 Sash weight max. 200 kg

FFH: FFB = max 2.5 : 1
 The limits specified for the ranges of application must be adhered to and not be exceeded.
 Please also follow the permissible application sizes, manufacturing instructions and processing guidelines as provided by the profile manufacturers.



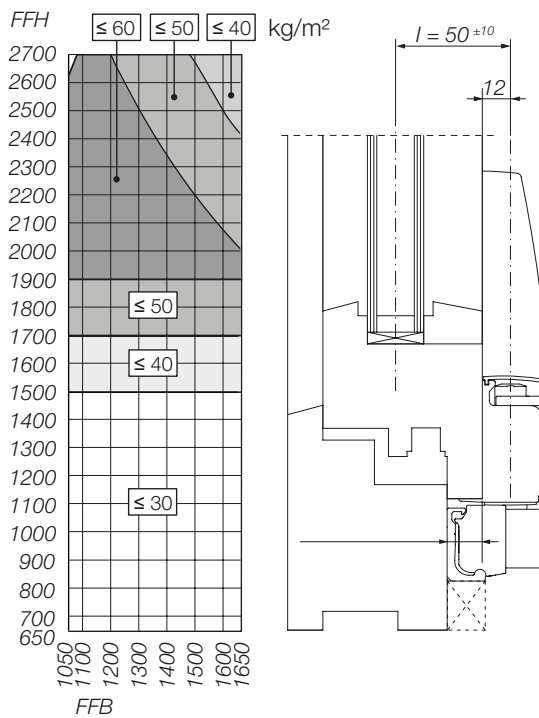
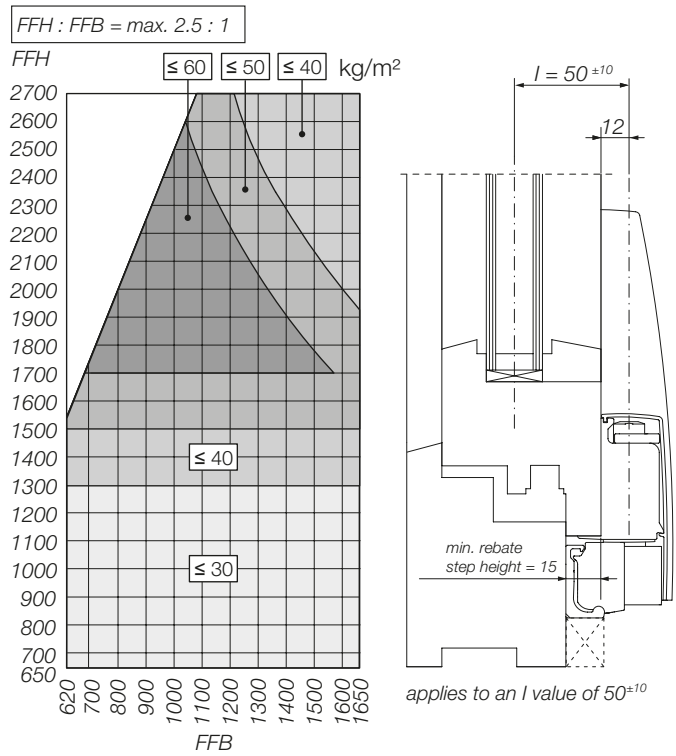
Range of application ATRIUM HKS® comfort



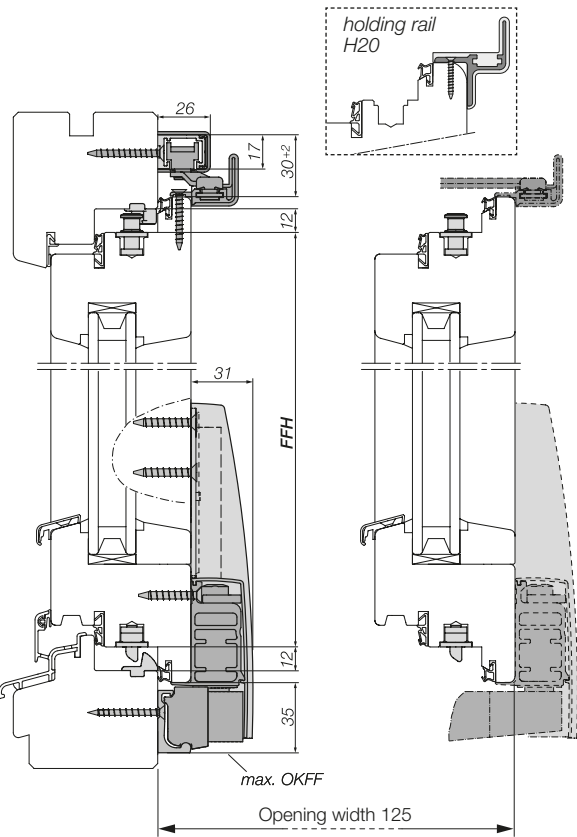
ATRIUM® HKS comfort

Sash rebate width (FFB)	[mm]	620 to 1650
Sash rebate height (FFH)	[mm]	650 to 2700*
Sash weight	[kg]	max. 160
Handle lug		½ FFH
Anti-burglary		possible

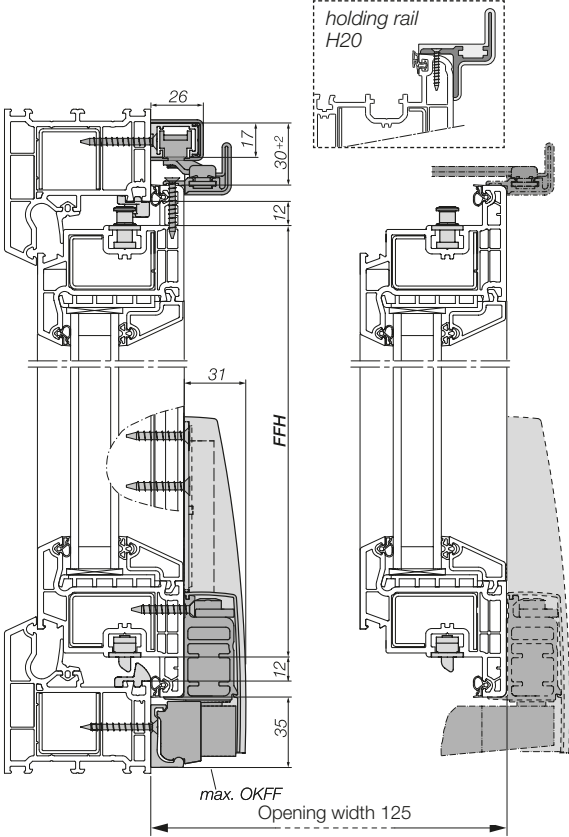
*) pattern C: up to 2350 mm



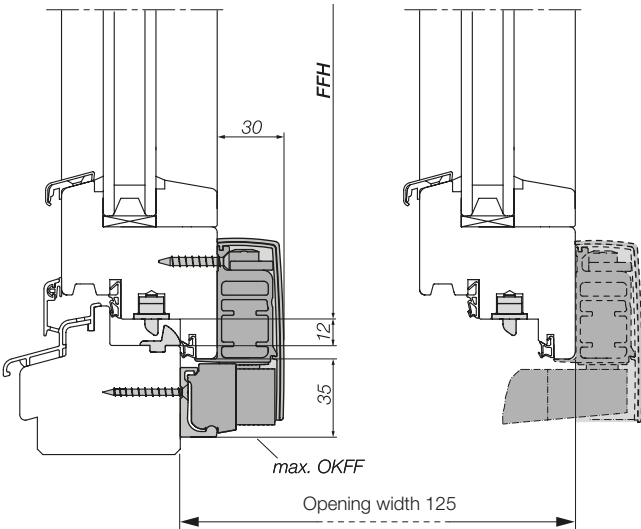
Ranges of application ATRIUM HKS® 160 S and ATRIUM HKS® 100 S



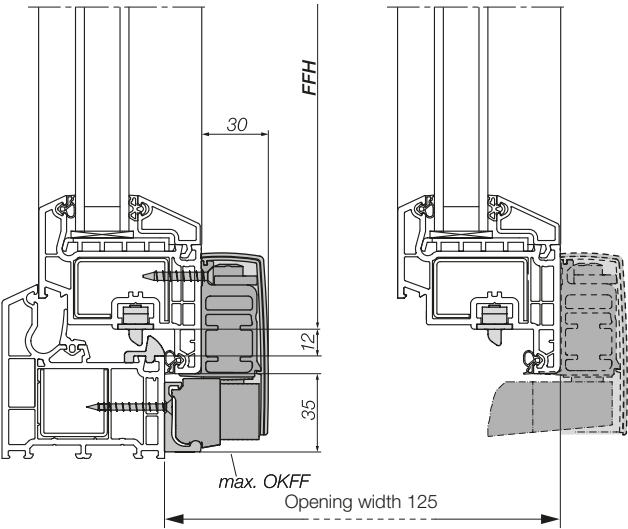
Vertical section ATRIUM HKS® 160 S timber



Vertical section ATRIUM HKS® 160 S PVC

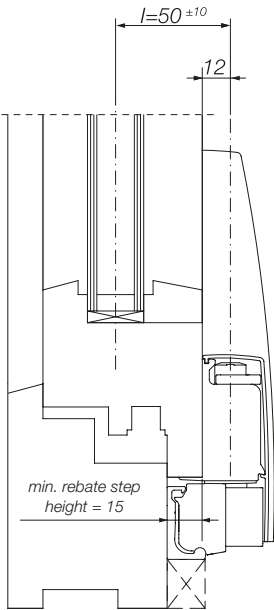
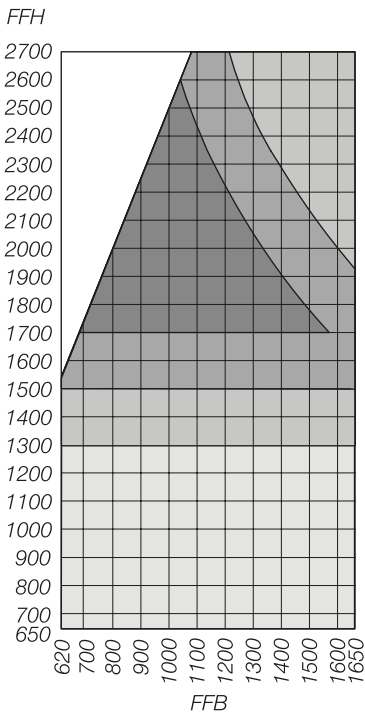


Vertical section ATRIUM HKS® 100 S timber



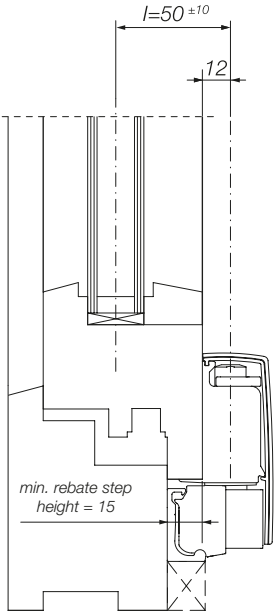
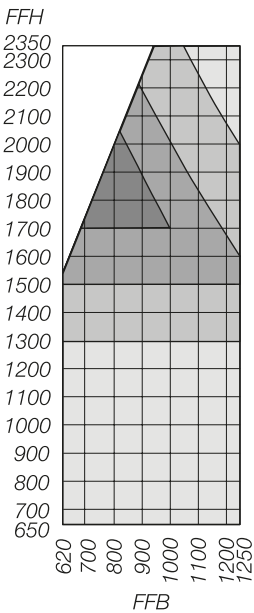
Vertical section ATRIUM HKS® 100 S PVC

ATRIUM HKS® 160 S



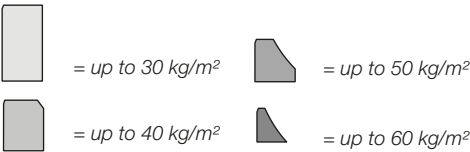
Sash rebate width (FFB) 620 to 1650 mm
 Sash rebate height (FFH) 650 to 2700 mm
 Sash weight max. 160 kg

ATRIUM HKS® 100 S



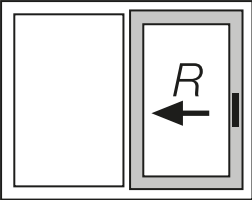
Sash rebate width (FFB) 620 to 1250 mm
 Sash rebate height (FFH) 650 to 2350 mm
 Sash weight max. 100 kg

FFH: FFB = max 2.5 : 1
 The limits specified for the ranges of application must be adhered to and not be exceeded.
 Please also follow the permissible application sizes, manufacturing instructions and processing guidelines as provided by the profile manufacturers.

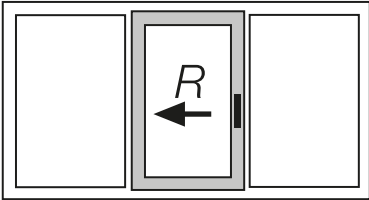


Sash arrangements

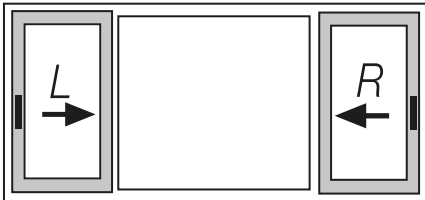
Frames with solid glazing or side hung sashes Schemes A, G , K, and C



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



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



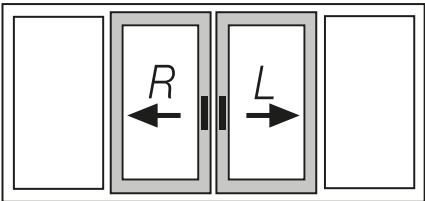
Scheme K
 Three-part element:
 2 Sliding sashes (L and R)

Fitting composition (schemes K and C, double quantity)

- 1 basic carton
- 1 HAUTAU design handle
- 1 bag of strikers (profile-related)
- 1 profile set of normal size
- 1 horizontal locking
- 1 vertical locking

Fitting composition scheme C*

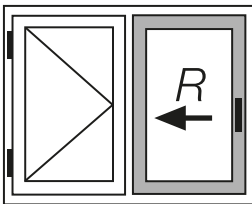
- 1 basic carton forend
- 2 HAUTAU design handles
- 1 bag of strikers (profile-related)
- 2 profile sets of normal size
- 2 horizontal locking
- 2 vertical locking



Scheme C
 Four-part element:
 2 sliding sashes (L and R) with mounting posts between HKS elements

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

Frame without fixed mounting post between side hung and sliding sash scheme A

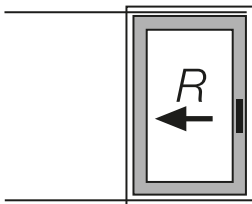


Scheme A
 Two-part element:
 1 sliding sash (L or R),
 1 side hung sash.
 When ordering two-part elements without fixed mounting post:
 order central locking system separately.

Fitting composition:
 1 basic carton
 1 HAUTAU design handle
 1 bag of strikers (profile-related)
 1 profile set of normal size
 1 horizontal locking
 1 vertical locking

Caution!
 Movable guide block required

Sliding element in front of the wall scheme A



Fitting composition:
 1 basic carton
 1 HAUTAU design handle
 1 bag of strikers (profile-related)
 1 profile set of normal size
 1 horizontal locking
 1 vertical locking

Text for tender

ATRIUM HKS® 200 Z

Tilt and slide fitting ATRIUM HKS® Z, upgradable to Resistance category RC2, or SKG**.

All-around URZ cam with automatic adjustment to fittings cavity tolerances.

With one-hand operation.

For door and window elements made of timber and PVC profiles for sash weights up to 200 kg, assembly-ready screw-on components. Central locking concealed and installed fixed with adjustable sash closing pressure.

Automatically operated stays with locked tilt position, free choice between locking and not locking when sash is closed.

Automatic locking in the stays.

Anti-mishandling device HAUTAU onTop.

Sliding sash adjustable thanks to height adjustment, bogies with cleaning brushes for clean bottom track, upper guide track with PVC cover profile, flat aluminium bogie cover (31 mm), LM handle “HAUTAU-Design”.

ATRIUM HKS® comfort

ATRIUM HKS comfort tilt-slide fitting, upgradable to Resistance category RC2, or SKG**.

URZ peripheral universal-bolt-cams with automatic adjustment to rebate tolerances.

With one-hand operation.

For window elements made of regular PVC profiles with sash weights of up to 200 kg, assembly-ready screw-on components.

Concealed central lock with fixed installation and adjustable sash closing pressure.

Lockout protection when closing from outside.

Upper stay component separate from central lock.

Bogies with cleaning brushes for a clean bottom track.

Sliding sash with variable height adjustment, upper guide track with PVC cover profile, flat aluminium bogie cover (31 mm), LM handle.

Limit position damping of the tilting movement.

Upper closing pulse when closing the door.

Stop damper when closing the door from the sliding movement.

ATRIUM HKS® 160 S

Tilt and slide fitting ATRIUM HKS® 160 S, upgradable to Resistance category RC2, or SKG**.

All-around URZ cam with automatic adjustment to fittings cavity tolerances.

With one-hand operation.

For window elements made of timber or PVC profiles for sash weights up to 160 kg, assembly-ready screw-on components. Central locking concealed and installed fixed with adjustable sash closing pressure.

Free choice between locking and not locking when sash is closed.

Upper stay system separated from the central locking, lower corners with spring-loaded catches for automatic sash engagement, anti-slam device in both stay arms.

Bogies with cleaning brushes for clean bottom track.

Sliding sash adjustable thanks to height adjustment, upper guide track with PVC cover profile, flat aluminium bogie cover (31 mm), LM handle.

ATRIUM HKS® 100 S

Tilt and slide fitting ATRIUM HKS® 100 S.

All-around URZ cam with automatic adjustment to fittings cavity tolerances.

With one-hand operation.

For window elements made of timber or PVC profiles for sash weights up to 100 kg, assembly-ready screw-on components. Central locking concealed and installed fixed with adjustable sash closing pressure.

Free choice between locking and not locking when sash is closed.

Upper stay system separated from the central locking, lower corners with spring-loaded catches for automatic sash engagement, anti-slam device in both stay arms.

Bogies with cleaning brushes for clean bottom track.

Sliding sash adjustable thanks to height adjustment, upper guide track with PVC cover profile, flat aluminium bogie cover (31 mm), LM handle.

Order information and packing units

Packing unit	HKS® 100 S	HKS® 160 S	HKS® comfort	HKS® 200 Z
Basic carton	Basic carton	Basic carton	Basic carton	Basic carton
Corner			Corner	
Handle	Handle (EG)			Handle (AG+EG)
Strikers / Security strikers	Strikers / security strikers			
Control plates	Control plates	Control plates		Control plates
Set of rails	Set of rails	Set of rails		Set of rails
Set Stay system Holding rail		Stay system and holding rail set		
Horizontal locking	Horizontal locking	Horizontal locking	Horizontal locking	Horizontal locking
Vertical locking	Vertical locking			Vertical locking (AG+EG)
Carton Stop damper			Carton Stop damper	

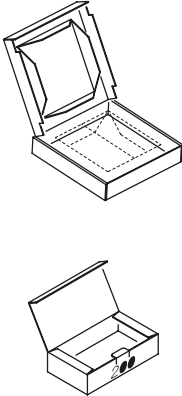
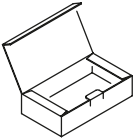
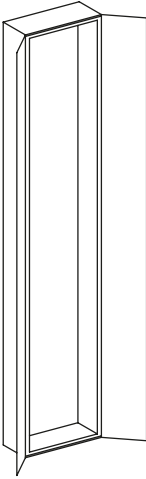
Colour information

	Design EV 1/silver	Design white	Design cream	Design brown	Design medium bronze
Guide track	EV 1 ecru, anodised	EV 1 ecru, anodised	EV 1 ecru, anodised	EV 1 ecru, anodised	EV 1 ecru, anodised
Bottom track	EV 1 ecru, anodised	EV 1 ecru, anodised	EV 1 ecru, anodised	C 34 dark br., anodised	C 33 med. bronze, anodised
Stay connecting and cover profile	silver, coated	RAL 9016 white, coated	RAL 9001 cream, coated	8077 brown, coated	C 33 med. bronze, anodised
Screw cover profile and end caps	colour-matched				

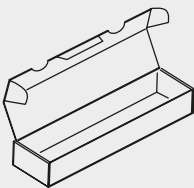
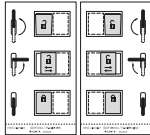
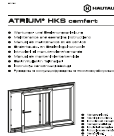
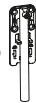
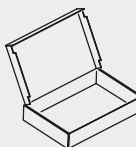
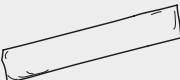
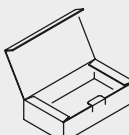
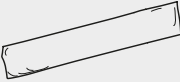
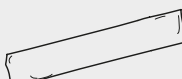
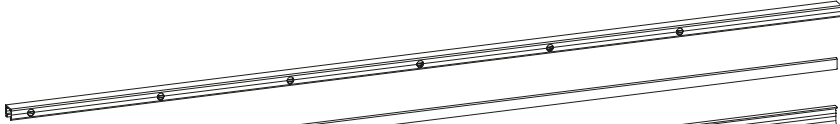
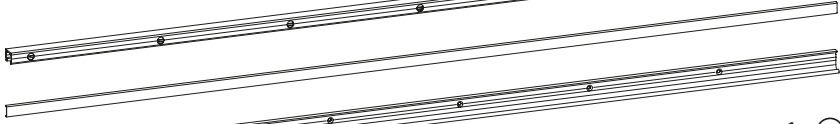
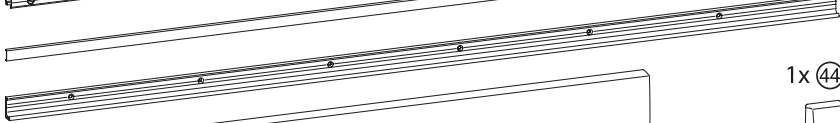
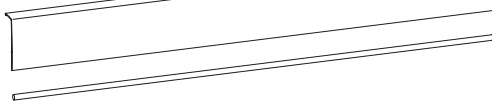
Abbreviations

A9	Axis 9	FT	Sash profile depth	OR	Non-handle side top, design right
A13	Axis 13	GOL	Handle side top, design left	RC2	Resistance category 2
AG	Gear with fork drive	GOR	Handle side top, design right	UL	Non-handle side bottom, design left
D	Backset (b/s)	GUL	Handle side bottom, design left	UR	Non-handle side bottom, design right
EG	Mortice crémona bolt	GUL	Handle side bottom, design right		
FFB	Sash rebate width	ISR	Hexalobular internal driving feature		
FFH	Sash rebate height	OKFF	Upper edge finished floor		
FFK	Sash rebate edge	OL	Non-handle side top, design left		

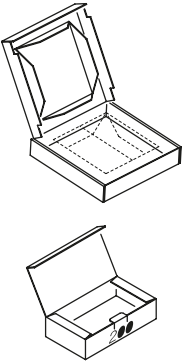
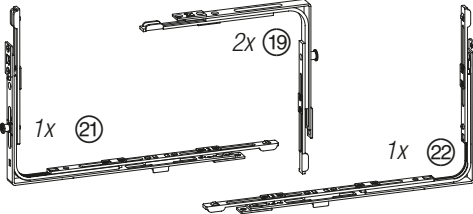
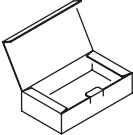
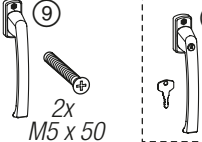
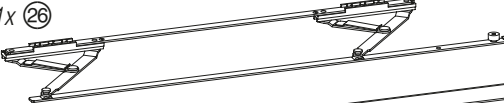
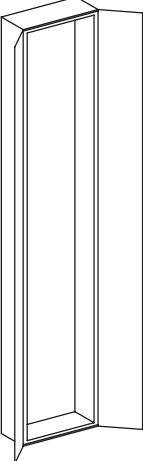
Packing units HKS 200 Z

	1x 21 1x 22 1x 25 1x 19 1x 20 1x 1 1x 2 FG > 160 kg 1x 1a 1x 2a Maintenance and operating manual Operating label 2x 24 Release pin for glider release 1x 2x 3
	AG 6 4x 4,8 x 45 7 2x M5 x 10 1x 8 or EG 9 2x M5 x 50 10
	2x 15 10x 13 RC2 10x 14 1x 16
	2x 32
	1x 31 RC2 1x 34 1x 27 1x 28
	1x 35 1x 36 1x 37 1x 39 2x 23 1x 40 FFB > 1450 2x 4 FFB > 1450 1x 51 1x 44 1x 45 1x 47 1x 46 1x 48 1x 4 2x 41 1x 50

Packing units HKS comfort

	1x ① 1x ② Operating label  Maintenance and operating manual  2x ③Adjustable support arm 1x ⑤⑧ 1x ⑤⑦Closure control																
	⑤⑨Stop damper profile-related <table><tr><th>Pattern</th><th>Standard</th><th colspan="2">– Recommendation –</th></tr><tr><th></th><th></th><th>FFB ≤ 1250 mm</th><th>FFB > 1250 mm</th></tr><tr><td>A</td><td>2x</td><td>+ 1x</td><td>+ 2x</td></tr><tr><td>C</td><td>4x</td><td>+ 2x</td><td>+ 4x</td></tr></table>	Pattern	Standard	– Recommendation –				FFB ≤ 1250 mm	FFB > 1250 mm	A	2x	+ 1x	+ 2x	C	4x	+ 2x	+ 4x
Pattern	Standard	– Recommendation –															
		FFB ≤ 1250 mm	FFB > 1250 mm														
A	2x	+ 1x	+ 2x														
C	4x	+ 2x	+ 4x														
	1x ②⑥ 1x ③⑧ 1x ④② 1x ④③ only with HAUTAU central lock																
	4x ①⑨		2x ③②														
	1x ⑨ 2x M5 x 40 1x ①⑩		FFH > 2350 mm 4x ③③														
	⑬ RC2 ⑬ ⑭ <table><tr><th>FFH</th><th colspan="2">FFB</th></tr><tr><th></th><th>≤ 1250 mm</th><th>> 1250 mm</th></tr><tr><td>≤ 2350 mm</td><td>10x ... 12x</td><td>12x ... 14x</td></tr><tr><td>> 2350 mm</td><td>14x ... 16x</td><td>16x ... 18x</td></tr></table>	FFH	FFB			≤ 1250 mm	> 1250 mm	≤ 2350 mm	10x ... 12x	12x ... 14x	> 2350 mm	14x ... 16x	16x ... 18x				
FFH	FFB																
	≤ 1250 mm	> 1250 mm															
≤ 2350 mm	10x ... 12x	12x ... 14x															
> 2350 mm	14x ... 16x	16x ... 18x															
	1x ②⑧ 1x ③①																
	1x ③⑤ 1x ③⑥ 1x ③⑦ 1x ③⑨ 1x ④① 1x ④④ 1x ④⑤ FFB > 1450 mm ④⑦ ④⑥ ④⑧ ④① ⑤① ⑤①1x ⑤① <table><tr><th colspan="2">FFB</th></tr><tr><th>≤ 1450 mm</th><th>> 1450 mm</th></tr><tr><td>1x</td><td>2x</td></tr></table>	FFB		≤ 1450 mm	> 1450 mm	1x	2x										
FFB																	
≤ 1450 mm	> 1450 mm																
1x	2x																

Packing units HKS 160-100 S

	<i>only with HAUTAU central lock</i>  HKS 100 S ~~RC2~~    <i>Operating label</i>  <i>Maintenance and operating manual</i>  1x ①  1x ② HKS 100 S  
	<i>only with HAUTAU central lock</i> 
	 2x ⑮  10x ⑬ RC2  
	 2x ③② HKS 100 S  
	 1x ②⑧  1x ③①
	 1x ②⑥  1x ③⑧  1x ④②  1x ④③
	 1x ③⑤  1x ③⑥  1x ③⑦  1x ③⑨  1x ④⑩  1x ④④  1x ④⑤ HKS 100 S    1x ④⑦  1x ④⑥  1x ④⑧  2x ④①  1x ⑤⑩  1x ④ HKS 160 S <i>FFB > 1450</i>  1x ⑤①  1x ④

ATRIUM HKS® 200 Z

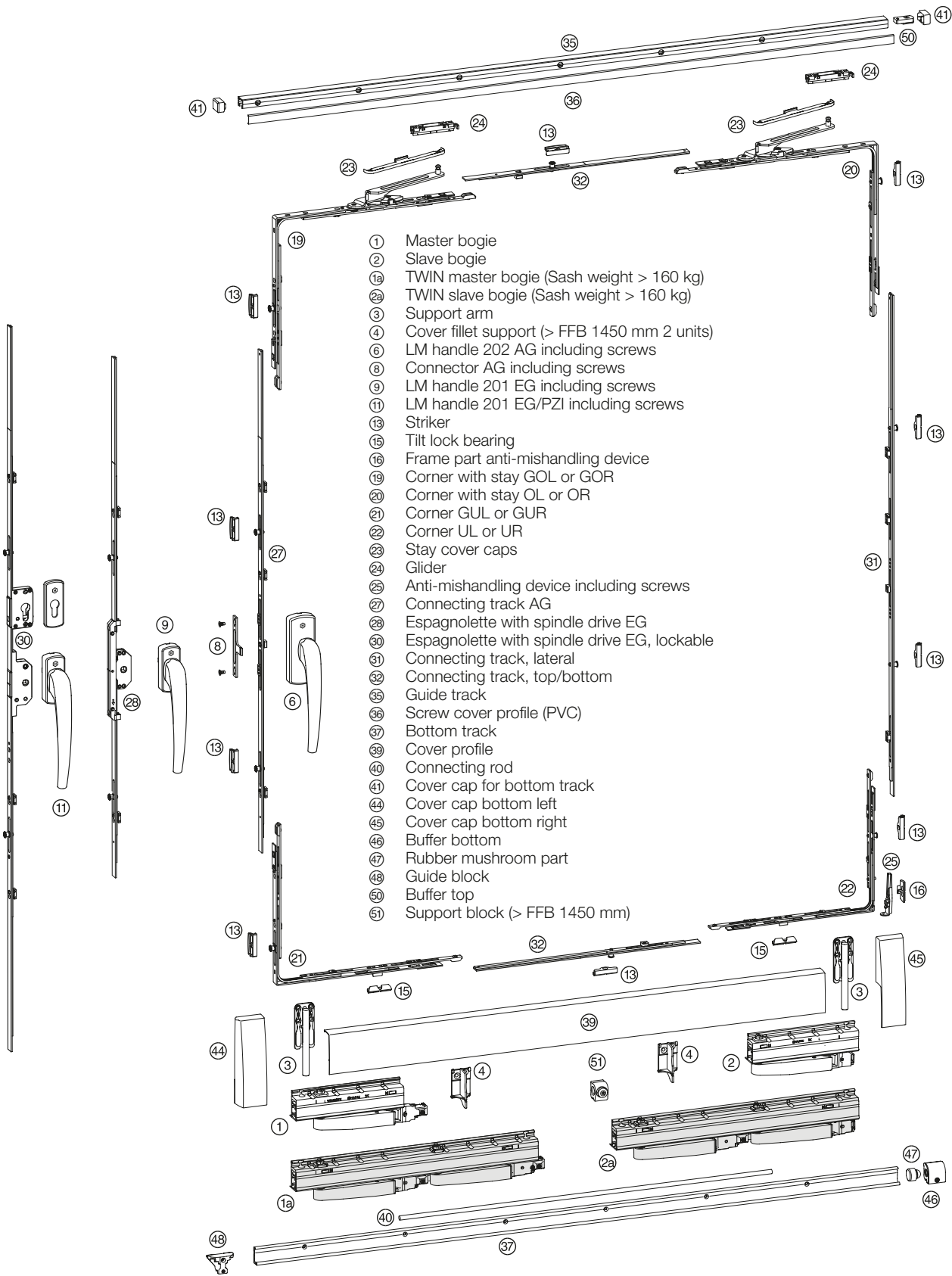


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 200 Z

Item name					Item code			
1x	Basic carton HKS® Z ① ② ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ㉑ ㉒ ㉓ ㉔ ㉕	Axis 9			left	right		
		Axis 13			213498	213501		
or	Basic carton HKS® Z TWIN (160 kg or more) ①a ②a ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ㉑ ㉒ ㉓ ㉔ ㉕	Axis 9			left	right		
1x		Axis 13			213504	213507		
1x	LM handle HAUTAU design including gear with fork drive and standard connector	202 AG ⑥ ⑧	EV1	white	brown	medium bronze	RAL 9001	
or		left	211090	211096	211114	211108	211102	
		right	211087	211093	211111	211105	211099	
1x	LM handle HAUTAU design for gearbox espag	201 EG ⑨	EV1	white	brown	medium bronze	RAL 9001	
1x		201 EG-Pzl ⑩	170747	170741	219963	176919	193558	
			170798	170792	219951	176925	219954	
1x	Accessory bag strikers ⑬ ⑮ ⑰					(profile-related) see profile overview		
2 additional strikers required for a sash rebate width from 1450 mm								
1x	Horizontal locking ㉔	FFB	(PU 1 unit)		(PU 5 units)			
		720 - 1050	213633		213621			
		1051 - 1250	208600		208588			
		1251 - 1450*	213636		213624			
		1451 - 1650	208603		208591			
		1651 - 1850**	208606		208594			
		1851 - 2000	208609		208597			
*useable for cutting to length on both sides from 1051 1450 mm								
**useable for cutting to length on both sides from 1451 1850 mm								
1x	Vertical locking gear with fork drive ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
		450	900 - 1100	213681		213657		
		450	1101 - 1300	213684		213660		
		650	1301 - 1500	213687		213663		
		650	1501 - 1700	213690		213666		
		950	1701 - 1900	213693		213669		
		950	1901 - 2100	213696		213672		
		950	2101 - 2300	213699		213675		
		950	2301 - 2400	213702		213678		
		950	2401 - 2700	213699*		213675*		
*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required								
or 1x	Vertical locking espag, b/s 17,5 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
		450	900 - 1100	213729		213705		
		450	1101 - 1300	213732		213708		
		650	1301 - 1500	213735		213711		
		650	1501 - 1700	213738		213714		
		950	1701 - 1900	213741		213717		
		950	1901 - 2100	213744		213720		
		950	2101 - 2300	213747		213723		
		950	2301 - 2400	213750		213726		
		950	2401 - 2700	213747*		213723*		
*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required								
or 1x	Vertical locking espag, lockable b/s 30 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)				
		950	1701 - 1900	213918				
		950	1901 - 2100	213921				
		950	2101 - 2300	213924				
		950	2301 - 2400	213927				
		950	2401 - 2700	213924*				
*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required								
1x	Profile set HKS® ④ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		720 - 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
		1651 - 2000	4130	219063	219057	219060	219066	219069

ATRIUM HKS® 200 Z/RC2

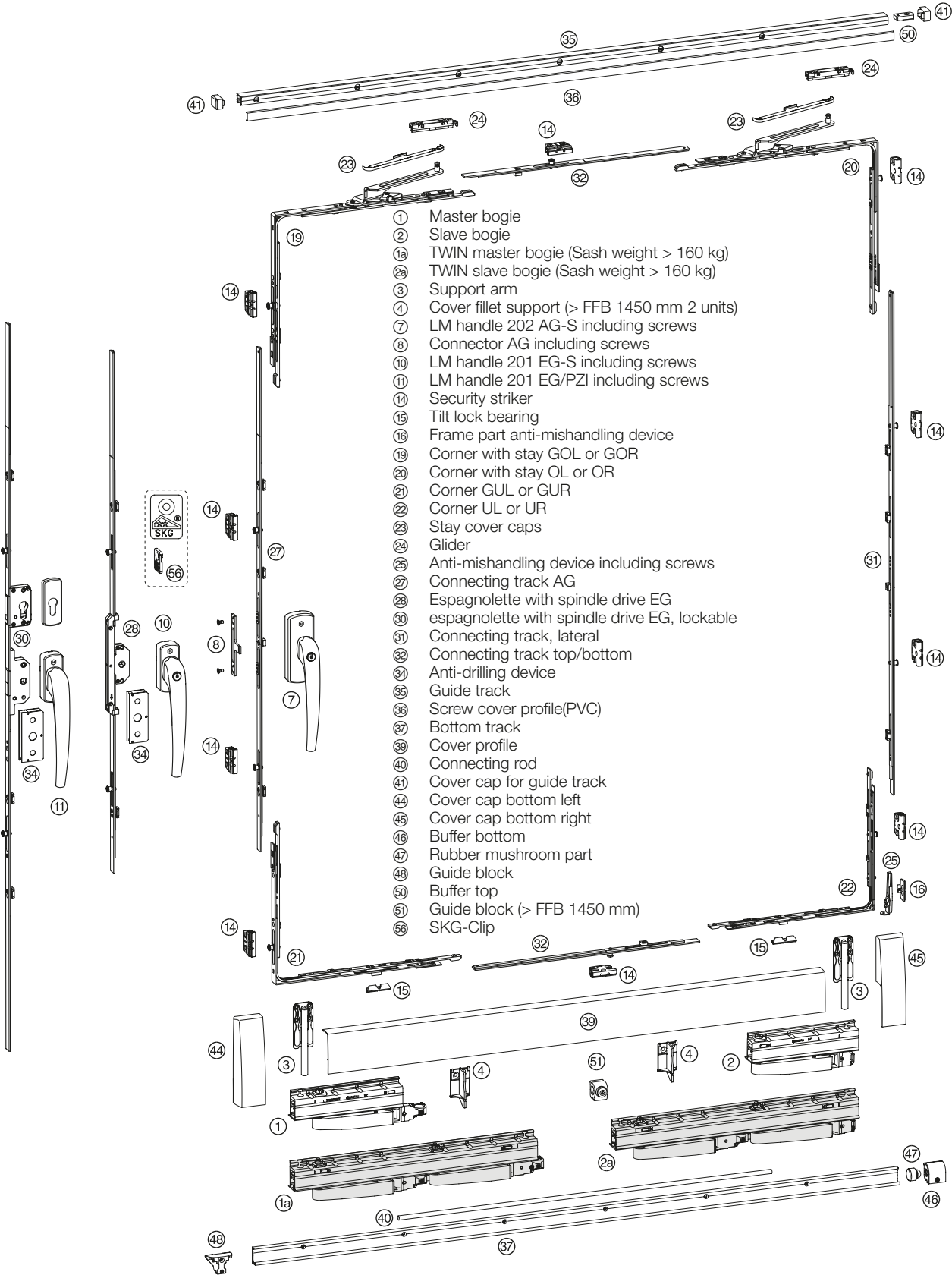


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 200 Z

Timber, scheme C without post and with open groove EG 30/30

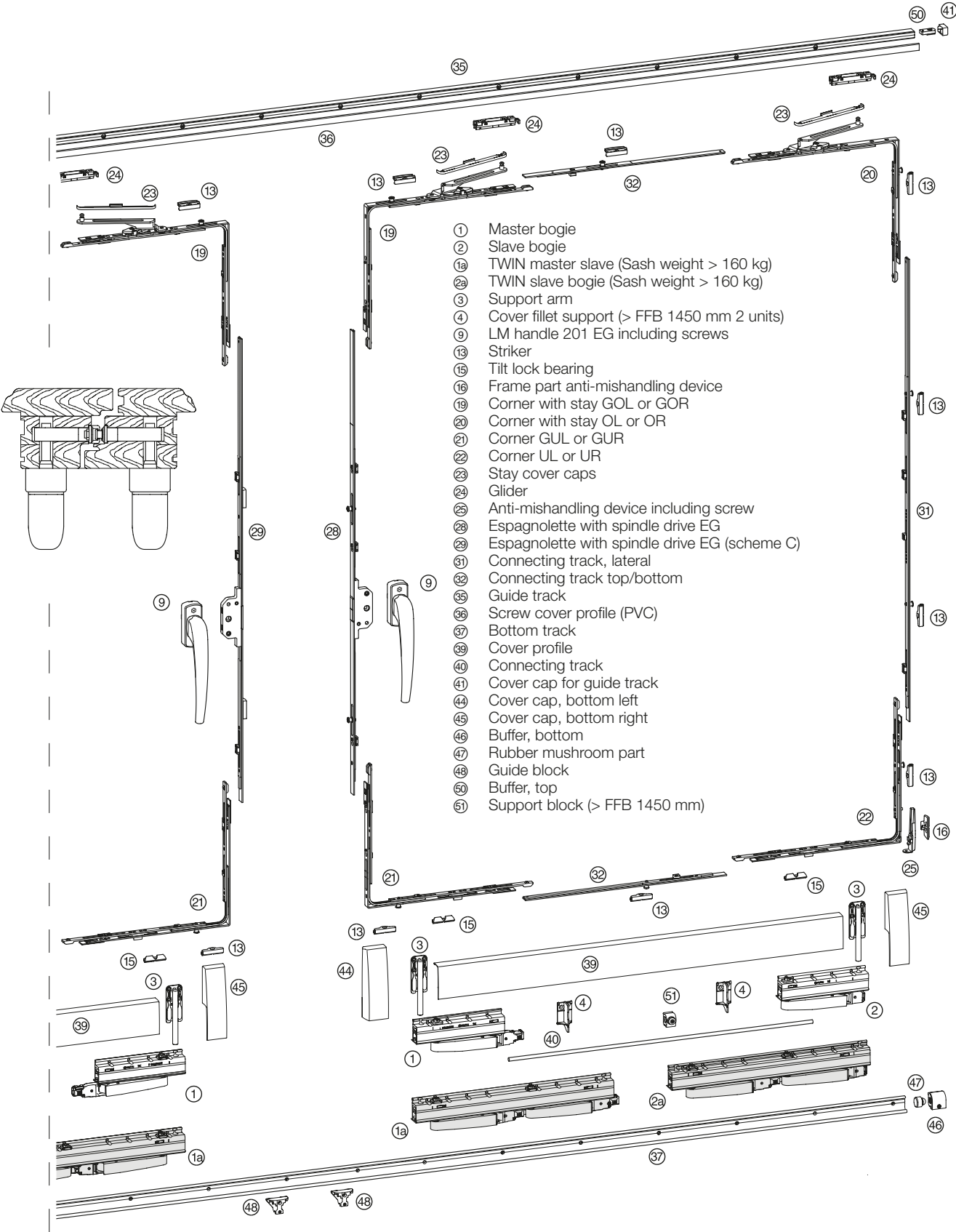


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 200 Z
 Timber, scheme C without post and with open groove EG 30/30

Item name				Item code				
1x	Basic carton HKS® Z (scheme C) ① ② ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕			Axis 9	213510			
				Axis 13	213513			
or 1x	Basic carton HKS® Z TWIN (scheme C) (160 kg or more) ①a ②a ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ㉑ ㉒ ㉓ ㉔ ㉕			Axis 9	223542			
					Axis 13	223545		
2x	LM handle HAUTAU design c/w drive pin, left/right	201 EG ⑨	EV1 170747	white 170741	brown 219963	medium bronze 176919	RAL 9001 193558	
2x	Accessory bag strikers ⑬ ⑮ ⑰				(profile-related) see profile overview 4 additional strikers required for a sash rebate width from 1450 mm			
2x	Horizontal locking ㉔	FFB	(PU 1 unit)		(PU 5 units)			
		720 - 1050	213633		213621			
		1051 – 1250	208600		208588			
		1251 – 1450*	213636		213624			
		1451 – 1650	208603		208591			
		1651 – 1850**	208606		208594			
		1851 – 2000	208609		208597			
		*useable for cutting to length on both sides from 1051 1450 mm **useable for cutting to length on both sides from 1451 1850 mm						
1x	Vertical locking espag for French door sash, b/s 30 ㉔ ㉕ ㉖	Handle pos.	FFH	(PU 1 unit)				
		450	1101 - 1300	213840				
		650	1301 - 1500	213843				
		650	1501 - 1700	213846				
		950	1701 - 1900	213849				
		950	1901 - 2100	213852				
		950	2101 - 2300	213855				
		950	2301 - 2400	213858				
	950	2401 - 2700	213855*					
*in addition, 1x set linkage 400 mm (item code 239963) is required								
1x	Vertical locking espag with b/s 30 ㉔ ㉕ ㉖ ㉗	Handle pos.	FFH	(PU 1 unit)				
		450	1101 - 1300	213759				
		650	1301 - 1500	213762				
		650	1501 - 1700	213765				
		950	1701 - 1900	213768				
		950	1901 - 2100	213771				
		950	2101 - 2300	213774				
		950	2301 - 2400	213777				
	950	2401 - 2700	213774*					
*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required								
2x	Profile set HKS® ④ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		720 - 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
	1651 - 2000	4130	219063	219057	219060	219066	219069	

ATRIUM HKS® 200 Z

PVC, scheme C with loose post EG 30/17,5

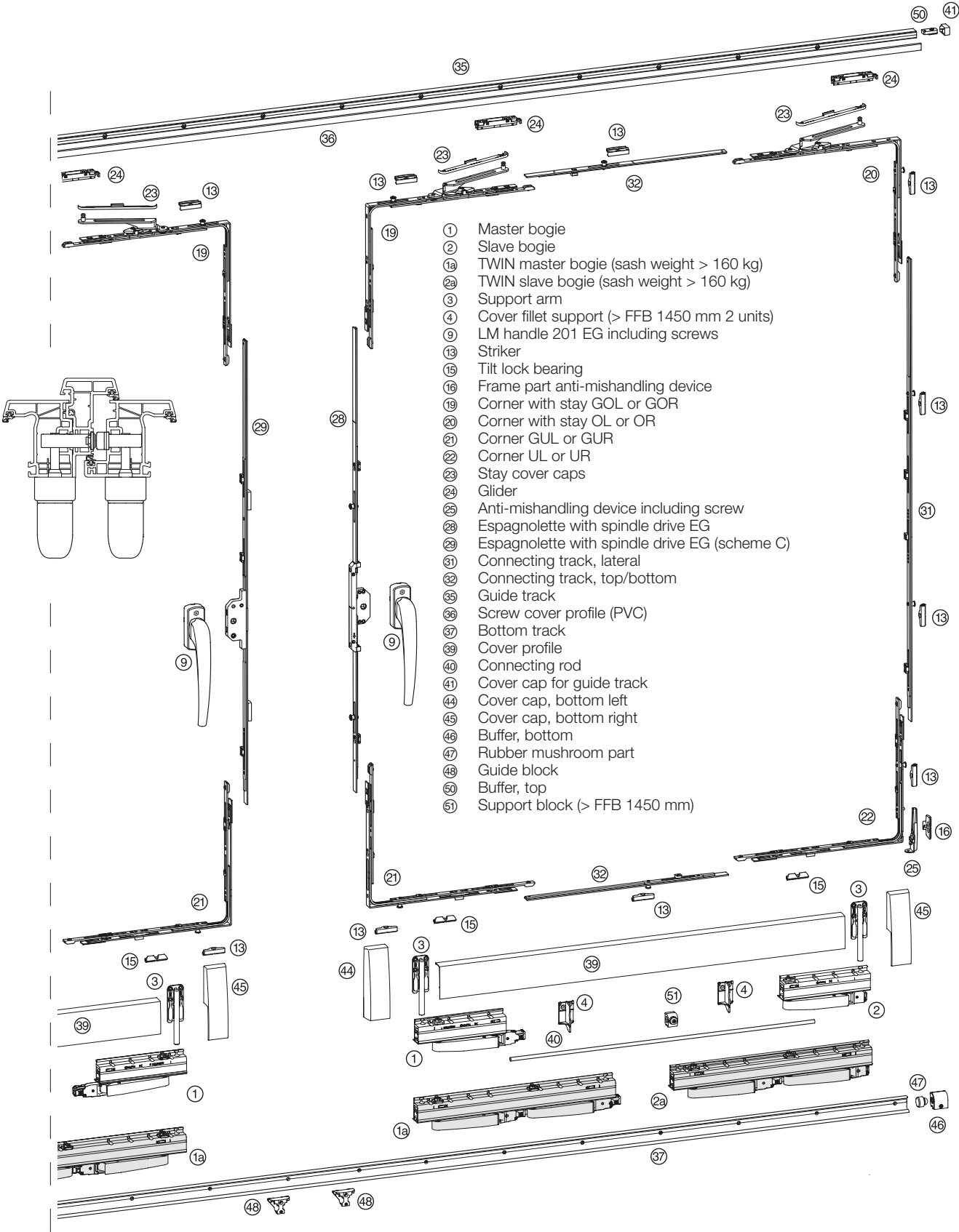


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 200 Z
PVC, scheme C with loose post EG 30/17,5

Item name				Item code				
1x	Basic carton HKS® Z (scheme C) ① ② ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓			Axis 9	213510			
				Axis 13	213513			
or				Axis 9	223542			
1x	Basic carton HKS® Z TWIN (scheme C) (160 kg or more) ⑬ ㉓ ③ ⑬ ⑱ ㉑ ㉒ ㉓ ㉔ ㉕			Axis 13	223545			
2x	LM handle HAUTAU design c/w drive pin, left/right	201 EG ⑨	EV1 170747	white 170741	brown 219963	medium bronze 176919	RAL 9001 193558	
2x	Accessory bag strikers ⑬ ⑮ ⑰			(profile-related) see profile overview 4 additional strikers required for a sash rebate width from 1450 mm				
2x	Horizontal locking ㉔	FFB		(PU 1 unit)		(PU 5 units)		
		720 - 1050		213633		213621		
		1051 – 1250		208600		208588		
		1251 – 1450*		213636		213624		
		1451 – 1650		208603		208591		
		1651 – 1850**		208606		208594		
		1851 – 2000		208609		208597		
		*useable for cutting to length on both sides from 1051 1450 mm						
		**useable for cutting to length on both sides from 1451 1850 mm						
1x	Vertical locking espag for French door sash, b/s 30 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)				
		450	1101 - 1300	213840				
		650	1301 - 1500	213843				
		650	1501 - 1700	213846				
		950	1701 - 1900	213849				
		950	1901 - 2100	213852				
		950	2101 - 2300	213855				
		950	2301 - 2400	213858				
		950	2401 - 2700	213855*				
				*in addition, 1x set linkage 400 mm (item code 239963) is required				
1x	Vertical locking espag with b/s 17,5 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
		450	1101 - 1300	213732		213708		
		650	1301 - 1500	213735		213711		
		650	1501 - 1700	213738		213714		
		950	1701 - 1900	213741		213717		
		950	1901 - 2100	213744		213720		
		950	2101 - 2300	213747		213723		
		950	2301 - 2400	213750		213726		
		950	2401 - 2700	213747*		213723*		
				*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required				
2x	Profile set HKS® ④ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		720 - 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
		1651 - 2000	4130	219063	219057	219060	219066	219069

ATRIUM HKS® 200 Z
 PVC, scheme C with loose post EG 17,5/17,5

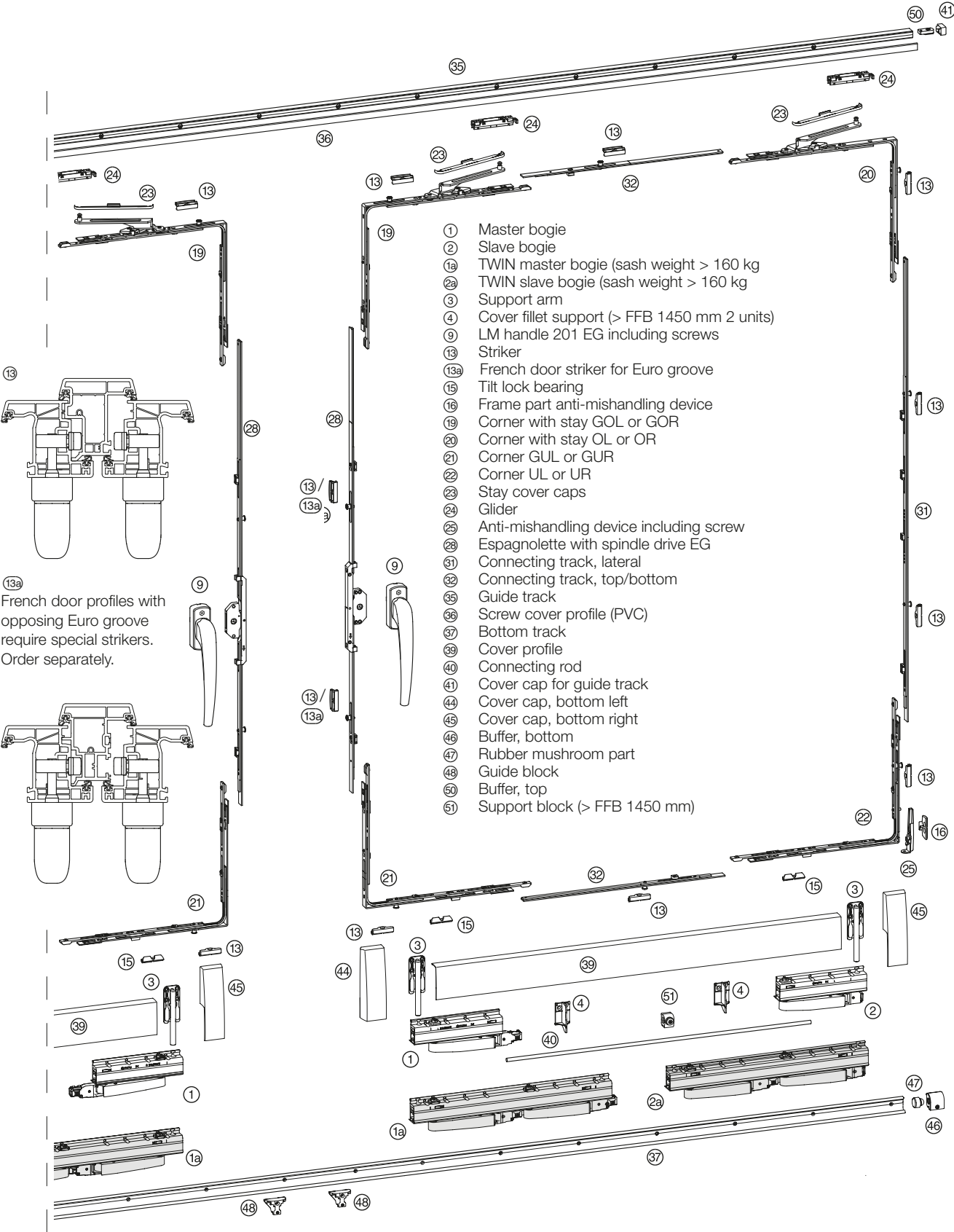


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 200 Z
PVC, scheme C with loose post EG 17,5/17,5

Item name				Item code				
1x	Basic carton HKS® Z (scheme C) ① ② ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓			Axis 9	213510			
				Axis 13	213513			
or	Basic carton HKS® Z TWIN (scheme C) (160 kg or more) ①a ②a ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ㉑ ㉒ ㉓			Axis 9	223542			
1x				Axis 13	223545			
2x	LM handle HAUTAU design c/w drive pin, left/right	201 EG ⑨	EV1 170747	white 170741	brown 219963	medium bronze 176919	RAL 9001 193558	
2x	Accessory bag strikers ⑬ ⑮ ⑰			(profile-related) see profile overview 4 additional strikers required for a sash rebate width from 1450 mm				
1x	Additional accessory bag strikers (scheme C) for Euro groove ⑬a						219135	
2x	Horizontal locking ㉔	FFB		(PU 1 unit)		(PU 5 units)		
		720 - 1050		213633		213621		
		1051 - 1250		208600		208588		
		1251 - 1450*		213636		213624		
		1451 - 1650		208603		208591		
		1651 - 1850**		208606		208594		
		1851 - 2000		208609		208597		
		*useable for cutting to length on both sides from 1051 1450 mm **useable for cutting to length on both sides from 1451 1850 mm						
2x	Vertical locking espag with b/s 17,5 ㉕ ㉖	Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
		450	900 - 1100	213729		213705		
		450	1101 - 1300	213732		213708		
		650	1301 - 1500	213735		213711		
		650	1501 - 1700	213738		213714		
		950	1701 - 1900	213741		213717		
		950	1901 - 2100	213744		213720		
		950	2101 - 2300	213747		213723		
		950	2301 - 2400	213750		213726		
		950	2401 - 2700	213747*		213723*		
		*in addition, 2x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required						
2x	Profile set HKS® ④ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		720 - 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
	1651 - 2000	4130	219063	219057	219060	219066	219069	

ATRIUM HKS® 200 Z
 PVC, scheme C with loose post AG

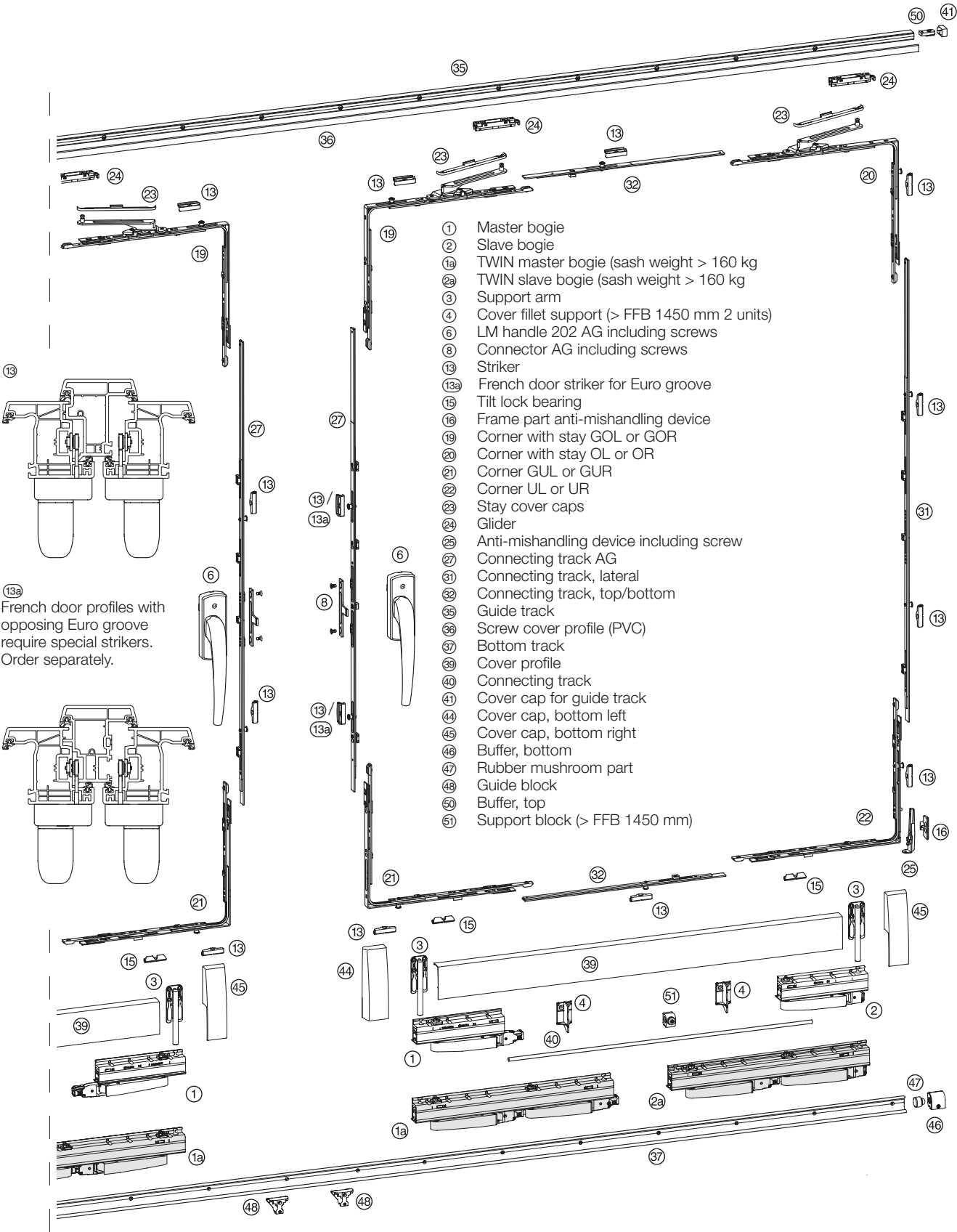


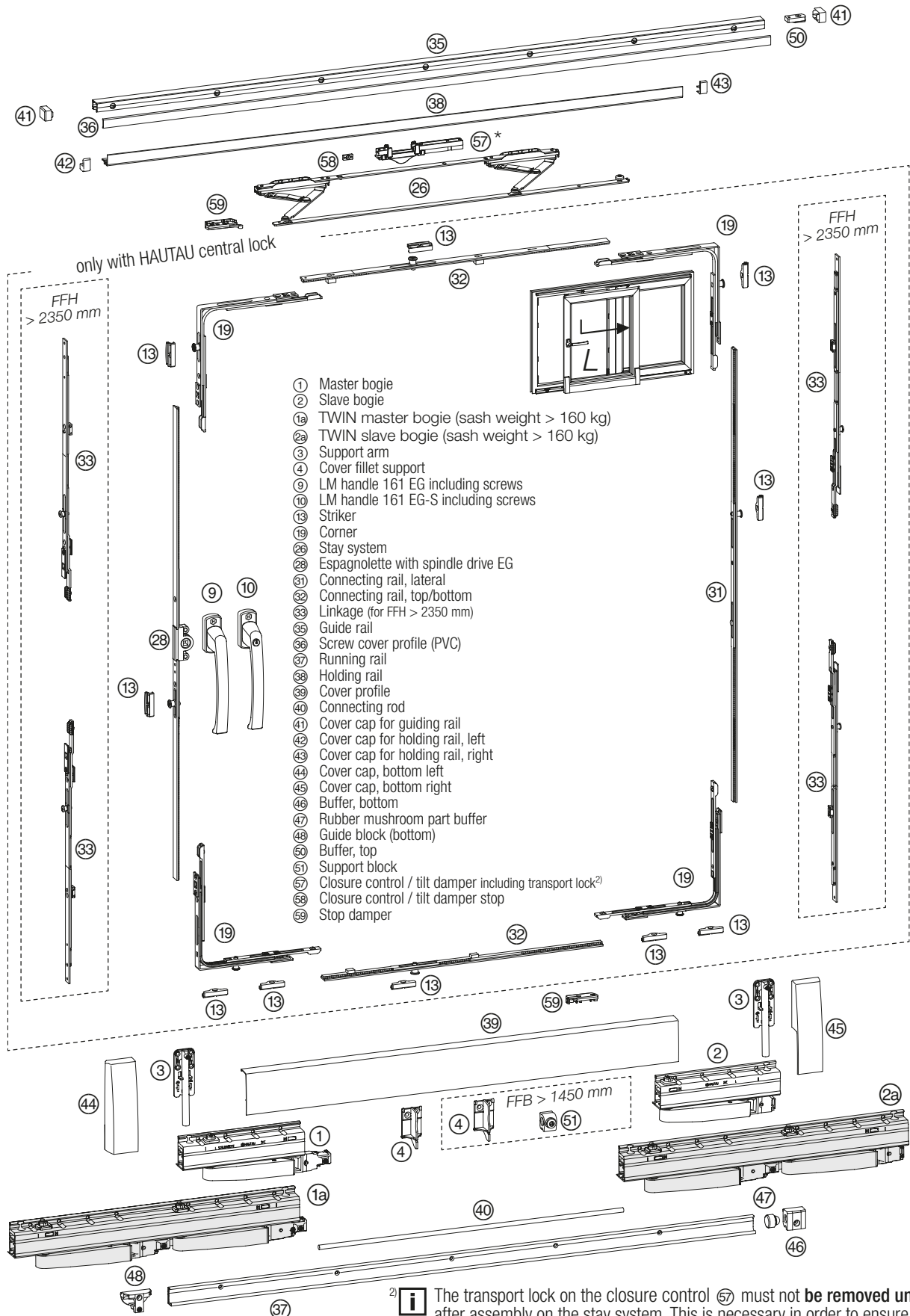
Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 200 Z
PVC, scheme C with loose post AG

Item name				Item code				
1x	Basic carton HKS® Z (scheme C) ① ② ③ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕			Axis 9	213510			
				Axis 13	213513			
or				Axis 9	223542			
1x	Basic carton HKS® Z TWIN (scheme C) (160 kg or more) ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ㉑ ㉒ ㉓ ㉔ ㉕			Axis 13	223545			
2x	LM handle HAUTAU design including gear with fork drive and standard connector	202 AG ⑥ ⑧ left right	EV1 211090 211087	white 211096 211093	brown 211114 211111	medium bronze 211108 211105	RAL 9001 211102 211099	
2x	Accessory bag strikers ⑬ ⑮ ⑰			(profile-related) see profile overview 4 additional strikers required for a sash rebate width from 1450 mm				
1x	Accessory bag strikers (scheme C) for Euro groove ⑬a			219135				
2x	Horizontal locking ㉔	FFB	(PU 1 unit)	(PU 5 units)				
		720 - 1050	213633	213621				
		1051 – 1250	208600	208588				
		1251 – 1450*	213636	213624				
		1451 – 1650	208603	208591				
		1651 – 1850**	208606	208594				
		1851 – 2000	208609	208597				
		*useable for cutting to length on both sides from 1051 1450 mm **useable for cutting to length on both sides from 1451 1850 mm						
2x	Vertical locking gear with fork drive ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)	(PU 5 units)			
		450	900 - 1100	213681	213657			
		450	1101 - 1300	213684	213660			
		650	1301 - 1500	213687	213663			
		650	1501 - 1700	213690	213666			
		950	1701 - 1900	213693	213669			
		950	1901 - 2100	213696	213672			
		950	2101 - 2300	213699	213675			
		950	2301 - 2400	213702	213678			
		950	2401 - 2700	213699*	213675*			
*in addition, 2x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required								
2x	Profile set HKS® ④ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ ④ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		720 - 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
		1651 - 2000	4130	219063	219057	219060	219066	219069

ATRIUM HKS® comfort

Standard



²⁾ **i** The transport lock on the closure control (57) must not **be removed until** after assembly on the stay system. This is necessary in order to ensure that the position of the damper remains unchanged.

ATRIUM HKS®

comfort
Standard

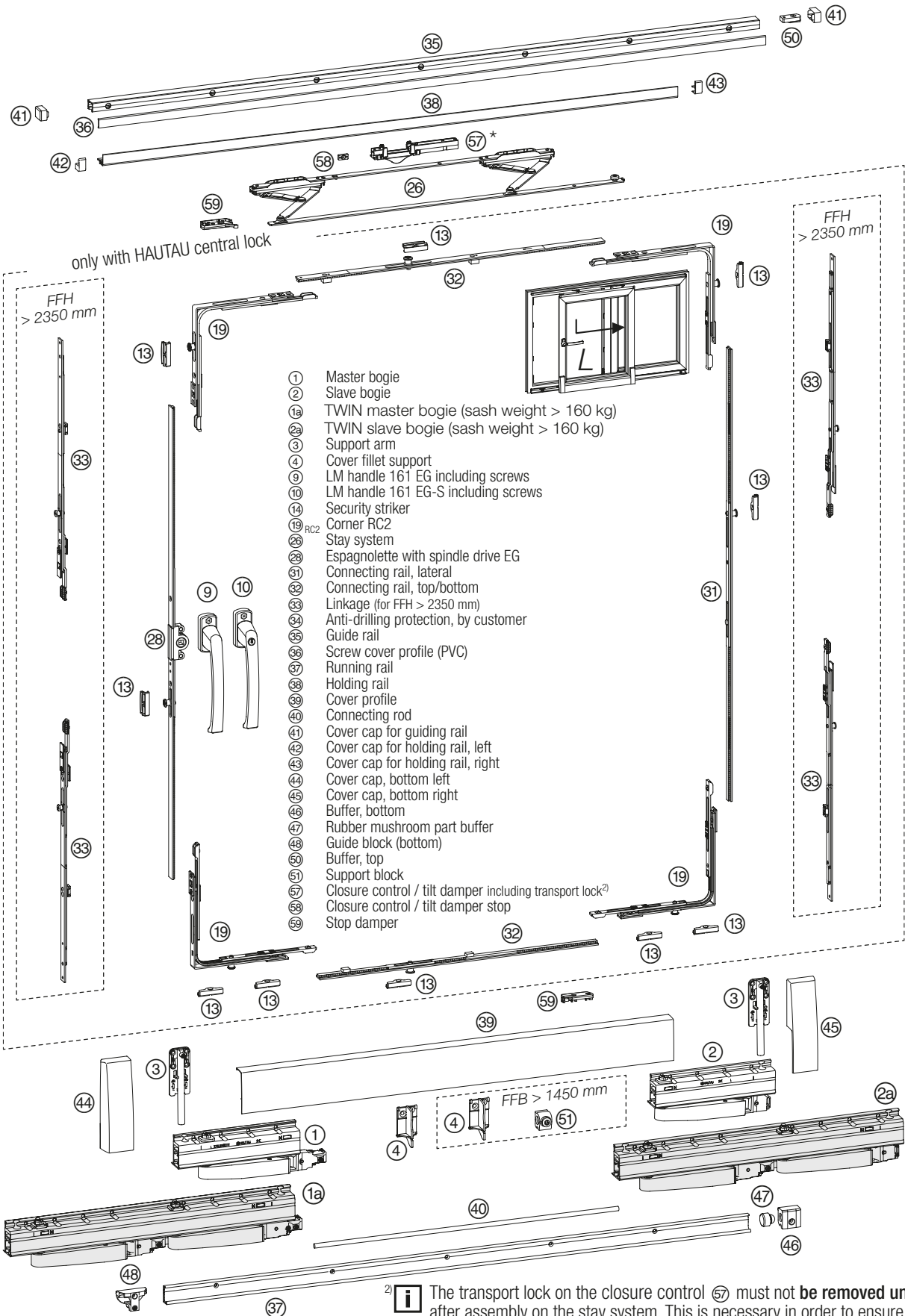
Item name				Item code						
				left	right					
1x	Basic carton HKS® comfort up to 160 kg ① ② ③ ⑤⑦ ⑤⑧			303522	303523					
or										
1x	Basic carton HKS® comfort TWIN up to 160 kg ①⑨ ②④ ③ ⑤⑦ ⑤⑧			303522	303523					
1x	Carton of corners ①⑨			(PU 1 Set)	(PU 5 Sets)					
				238031	Large pack 238034					
1x	LM handle			EV1	white	brown				
				161 EG ⑨	206206	206209	207361			
				161 EG-S ⑩	206215	206218	207367			
				161 EG Pzl	206224	206227	207364			
1x	Bag of accessory strikers * 10-pack			Refer to the online overview of strikers for the correct striker (profile-dependent)						
1x	Horizontal locking ③②			FFB	(PU 1 piece)	(PU 5 pieces)				
				620 - 900	235174	235183				
				901 - 1250	235177	235186				
				1251 - 1650	235180	235189				
1x	Vertical locking Gearbox espag D15 ②⑧ ③①			Handle lug	FFH	(PU 1 piece)	(PU 5 pieces)			
				centre	650 - 1100	214014	214002			
				centre	1101 - 1450	214017	214005			
				centre	1451 - 1900	235192	235195			
				centre	1901 - 2350	214023	214011			
				centre	2351 - 2700 1 x 231313 and	214023	214011			
1x	Vertical locking Gearbox espag D30 lockable ③⑩ ③①			Handle lug	FFH	(PU 1 piece)				
				centre	1101 - 1450	214050				
				centre	1451 - 1900	235198				
				centre	1901 - 2350	214056				
				centre	2351 - 2700 1 x 231313 and	214056				
1x	Set of rails			FFB	RAB	silver	white	brown	medium bronze	RAL 9001
				620 - 900	1930	218973	218967	218970	218976	218979
	④ ③⑤ ③⑥ ③⑦ ③⑧ ④①			901 - 1050	2230	218988	218982	218985	218991	218994
	④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① (⑤①)			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 and holding rail set			FFB	silver	white	brown	medium bronze	RAL 9001	
	②⑥ ③⑧ ④② ④③			620 - 900	208633	208624	208642	208660	208651	
				901 - 1250	208636	208627	208645	208663	208654	
				1251 - 1650	208639	208630	208648	208666	208657	
1x	Bag of accessory stop dampers ** ⑤⑨			Refer to the online striker list for the correct profile (profile-dependent)						

* More than 10 locking plates may be required for large elements. See the HKS comfort installation instructions for further details.

** Depending on the size and weight of the active leaf, the number of stop dampers per active leaf can be increased.

ATRIUM HKS® comfort

RC 2



ATRIUM HKS® comfort
 RC 2

Item name				Item code			
				left	right		
1x	Basic carton HKS® comfort up to 160 kg ① ② ③ ⑤⑦ ⑤⑧			303522		303523	
or							
1x	Basic carton HKS® comfort TWIN up to 160 kg ①⑨ ②⑩ ③ ⑤⑦ ⑤⑧			303522		303523	
1x	Carton of HKS corners ①⑨					303964	
1x	LM handle			EV1	white	brown	
				162 EG-S	302765	302764	
				161 EG Pzl	206224	206227	
Gearbox espag with drilling protection ③④				Use ordinary anti-drilling device			
SKG clip (optional) ⑤⑨				239489			
Bag of accessory strikers RC 2							
1) with RC2: ①④				Refer to the online striker overview for the correct striker (profile-dependent)			
1x	Horizontal locking ③②			FFH	(PU 1 piece)	(PU 5 pieces)	
				620 - 900	235174	235183	
				901 - 1250	235177	235186	
				1251 - 1650	235180	235189	
1x	Vertical locking			Handle lug	FFH	(PU 1 piece)	(PU 5 pieces)
				centre	650 - 1100	214014	214002
Gearbox espag D15 ②⑧ ③①				centre	1101 - 1450	214017	214005
				centre	1451 - 1900	235192	235195
				centre	1901 - 2350	214023	214011
				centre	2351 - 2700	1 x 231313 and	214023
						214023	214011
1x	Vertical locking			Handle lug	FFH	(PU 1 piece)	
				centre	1101 - 1450	214050	
Gearbox espag D30				centre	1451 - 1900	235198	
lockable ③⑩ ③①				centre	1901 - 2350	214056	
				centre	2351 - 2700	1 x 231313 and	214056
1x	Set of rails			FFB	RAB	silver	white
				620 - 900	1930	218973	218967
				901 - 1050	2230	218988	218982
				1051 - 1250	2630	219003	218997
				1251 - 1450	3030	219018	219012
				1451 - 1650	3430	219033	219027
						219030	218970
							218976
							218991
							219006
							219021
							219036
							218979
							218994
							219009
							219024
							219039
1x	Stay system and holding rail set			FFB	silver	white	brown
				620 - 900	208633	208624	208642
				901 - 1250	208636	208627	208645
				1251 - 1650	208639	208630	208648
							208660
							208663
							208666
							208651
							208654
							208657
1x	Bag of accessory stop dampers * ⑤⑨						
				Refer to the online striker list for the correct profile (profile-dependent)			

* Depending on the size and weight of the active leaf, the number of stop dampers per active leaf can be increased.

ATRIUM HKS® comfort

PVC, pattern C with loose post EG 15/15

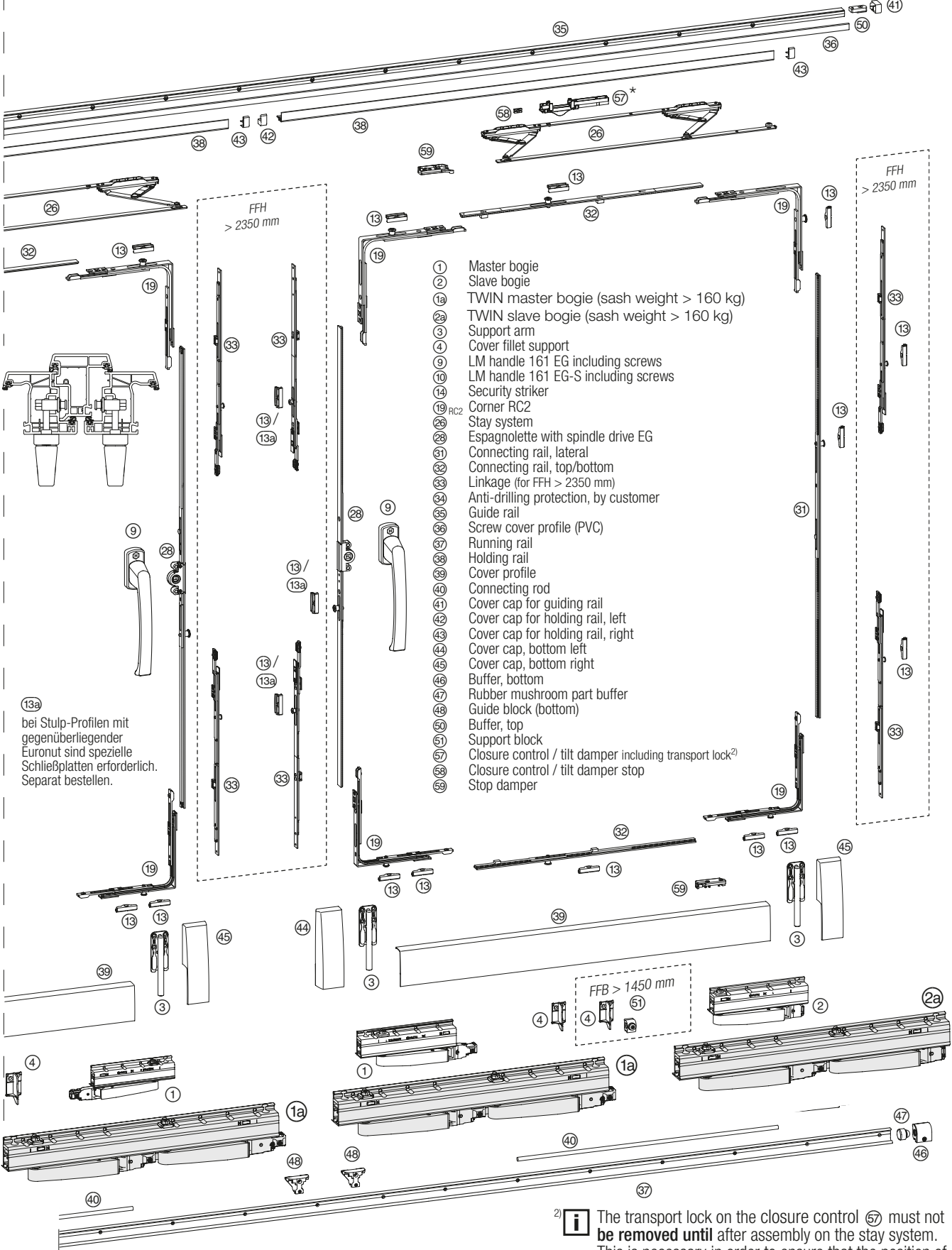


Abbildung Beschlagteile = Ausführung Links (lt. DIN EN 12519 nach rechts öffnend)

ATRIUM HKS® comfort
PVC, pattern C with loose post EG 15/15

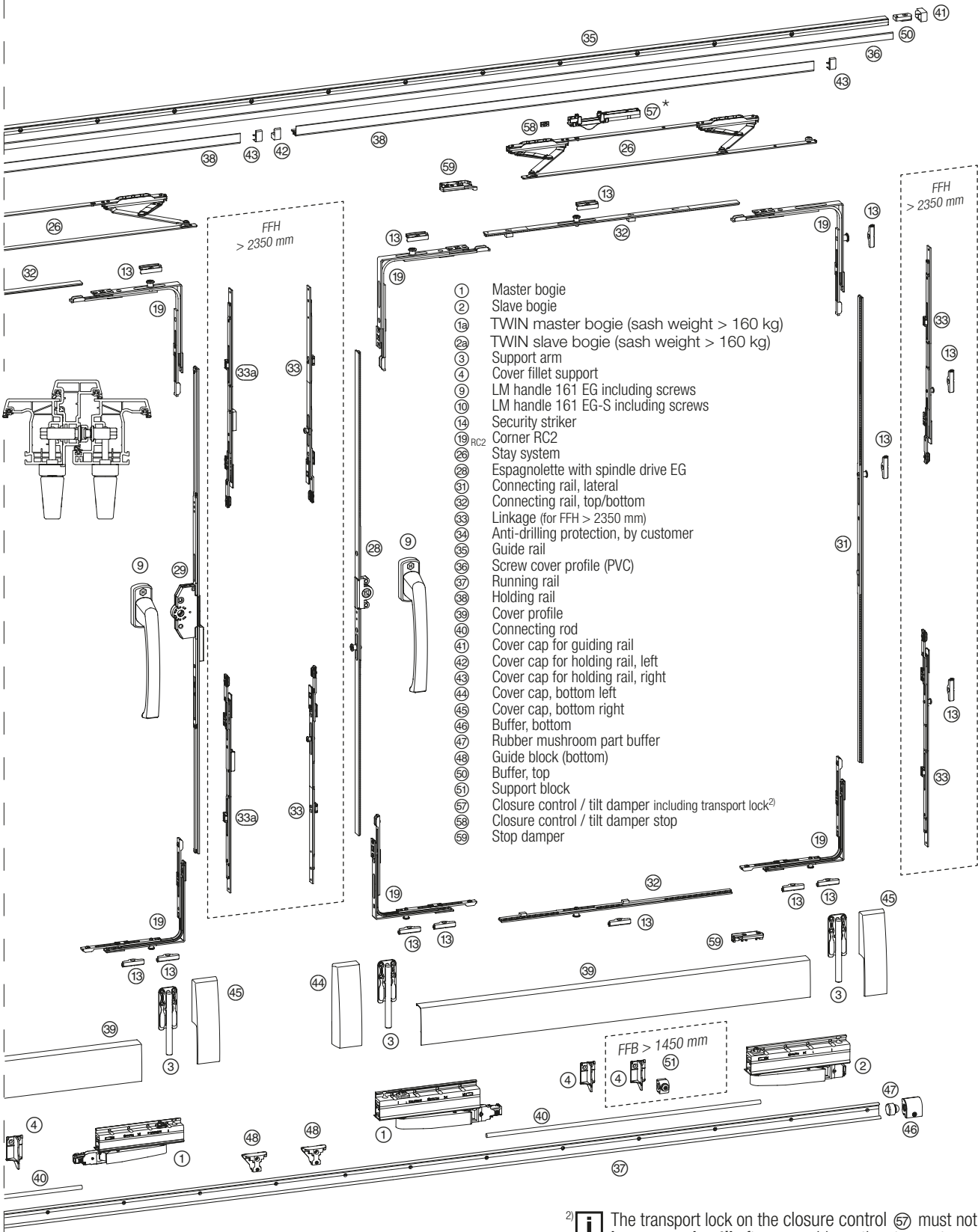
Item name				Item code						
				left	right					
2x	Basic carton HKS® comfort up to 160 kg ① ② ③ ⑤⑦ ⑤⑧			303522	303523					
or										
2x	Basic carton HKS® comfort TWIN up to 160 kg ①⑨ ②⑩ ③ ⑤⑦ ⑤⑧			303522	303523					
2x	Carton of corners ①⑨			(PU 1 Set)	(PU 5 Sets)					
				238031	238034					
2x	LM handle			EV1	white	brown				
				161 EG ⑨	206206	207361				
				161 EG-S ⑩	206215	207367				
2x	Bag of accessory strikers * ⑬			Refer to the online striker overview for the correct striker (profile-dependent)						
				FFB	(PU 1 piece)	(PU 5 pieces)				
2x	Horizontal locking ③②			620 - 900	235174	235183				
				901 - 1250	235177	235186				
				1251 - 1650	235180	235189				
2x	Vertical locking			Handle lug	FFH	(PU 1 piece)	(PU 5 pieces)			
	Gearbox espag D15 ②⑧ ③①			centre	650 - 1100	214014	214002			
				centre	1101 - 1450	214017	214005			
				centre	1451 - 1900	235192	235195			
				centre	1901 - 2350	214023	214011			
				centre	2351 - 2700 2 x 231313 and	214023	214011			
2x	Set of rails			FFB	RAB	silver	white	brown	medium bronze	RAL 9001
	④ ③⑤ ③⑥ ③⑦ ③⑧ ④①			620 - 900	1930	218973	218967	218970	218976	218979
				901 - 1050	2230	218988	218982	218985	218991	218994
	④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① ⑤②			1050 - 1250	2630	219003	218997	219000	219006	219009
				1251 - 1450	3030	219018	219012	219015	219021	219024
				1451 - 1650	3430	219033	219027	219030	219036	219039
2x	Stay system and holding rail set			FFB	silver	white	brown	medium bronze	RAL 9001	
	②⑥ ③⑧ ④② ④③			620 - 900	208633	208624	208642	208660	208651	
				901 - 1250	208636	208627	208645	208663	208654	
				1251 - 1650	208639	208630	208648	208666	208657	
2x	Bag of accessory stop dampers ** ⑥⑨			Refer to the online striker list for the correct profile (profile-dependent)						

* More than 10 locking plates may be required for large elements. See the HKS comfort installation instructions for further details.

** Depending on the size and weight of the active leaf, the number of stop dampers per active leaf can be increased.

ATRIUM HKS® comfort

PVC, pattern C with loose post EG 30/15



²⁾  The transport lock on the closure control **57** must not be removed until after assembly on the stay system. This is necessary in order to ensure that the position of the damper remains unchanged.

Figure fitting parts = design left (opening to the right according to DIN EN 12519)



ATRIUM HKS® comfort
PVC, pattern C with loose post EG 30/15

Item name				Item code						
				left	right					
2x	Basic carton HKS® comfort	up to 160 kg	① ② ③ ⑤⑦ ⑤⑧	303522	303523					
or										
2x	Basic carton HKS® comfort TWIN	up to 160 kg	①⑨ ②⑨ ③ ⑤⑦ ⑤⑧	303522	303523					
				303522	303523					
2x	Carton of corners	①⑨		(PU 1 Set)	(PU 5 Sets)					
				238031	238034	Large pack				
2x	LM handle			EV1	white	brown				
		161 EG	⑨	206206	206209	207361				
		161 EG-S	⑩	206215	206218	207367				
2x	Bag of accessory strikers *	⑬		Refer to the online striker overview for the correct striker			(profile-dependent)			
				FFH	(PU 1 piece)	(PU 5 pieces)				
2x	Horizontal locking	③②		620 - 900	235174	235183				
				901 - 1250	235177	235186				
				1251 - 1650	235180	235189				
				Handle lug	FFH	(PU 1 piece)				
1x	Vertical locking			centre	650 - 1100	214038				
Gearbox espag for French door sash, D30		②⑨ ③①		centre	1101 - 1450	214041				
				centre	1451 - 1900	236118				
				centre	1901 - 2350	214047				
				centre	2351 - 2700	1 x 239966 and	214047			
				Handle lug	FFH	(PU 1 piece)	(PU 5 pieces)			
1x	Vertical locking			centre	650 - 1100	214014	214002			
Gearbox espag D15		②⑨ ③①		centre	1101 - 1450	214017	214005			
				centre	1451 - 1900	235192	235195			
				centre	1901 - 2350	214023	214011			
				centre	2351 - 2700	1 x 231313 and	214023			
						214023	214011			
				FFB	RAB	silver	white	brown	medium bronze	RAL 9001
2x	Set of rails	620 - 900	1930	218973	218967	218970	218976	218979		
④ ③⑤ ③⑥ ③⑦ ③⑧ ④⑩ ④①		901 - 1050	2230	218988	218982	218985	218991	218994		
④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤⑩ ⑤①		1050 - 1250	2630	219003	218997	219000	219006	219009		
		1251 - 1450	3030	219018	219012	219015	219021	219024		
		1451 - 1650	3430	219033	219027	219030	219036	219039		
				FFB	silver	white	brown	medium bronze	RAL 9001	
2x	Stay system and holding rail set	620 - 900		208633	208624	208642	208660	208651		
②⑥ ③⑥ ④② ④③		901 - 1250		208636	208627	208645	208663	208654		
		1251 - 1650		208639	208630	208648	208666	208657		
2x	Bag of accessory stop dampers **	⑤⑨		Refer to the online striker list for the correct profile			(profile-dependent)			

* More than 10 locking plates may be required for large elements. See the HKS comfort installation instructions for further details.

** Depending on the size and weight of the active leaf, the number of stop dampers per active leaf can be increased.

ATRIUM HKS® 160 S

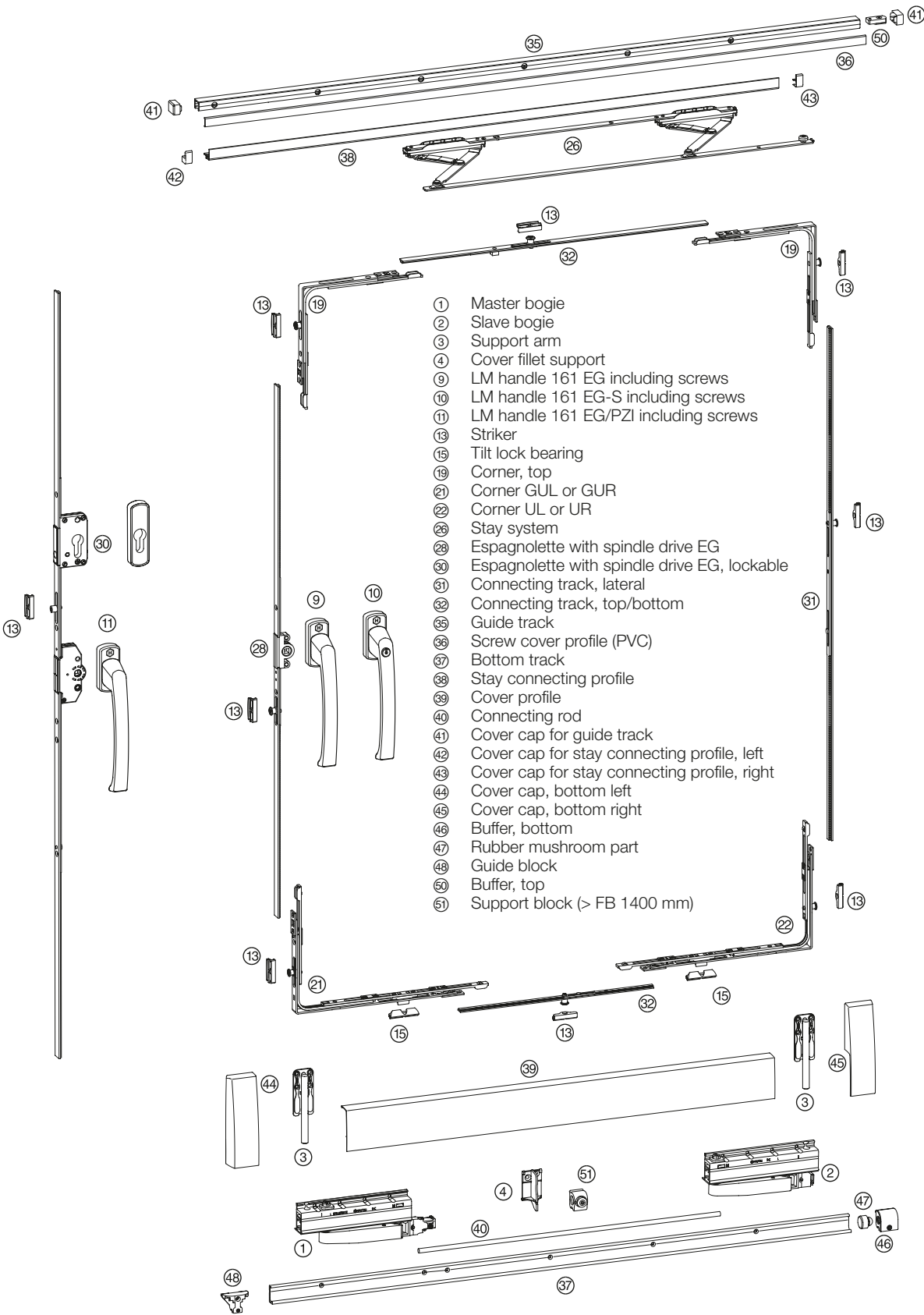


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 160 S/RC2

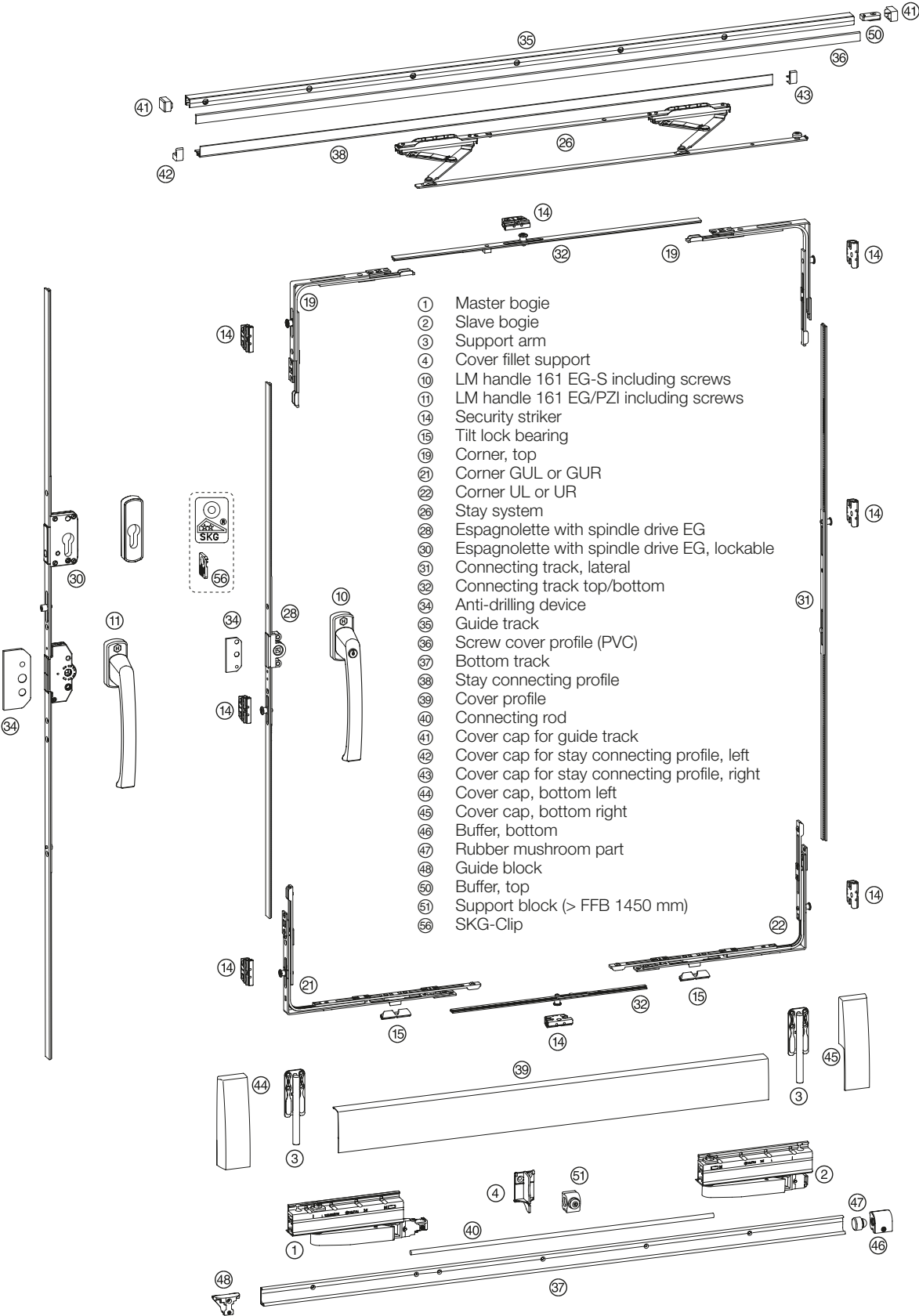


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 160 S/RC2



Item name				Item code				
1x	Basic carton HKS® 160 S ① ② ③ ⑱ ㉑ ㉒			left	right			
				213534	213537			
1x	LM handle c/w drive pin, left/right	161 EG-S ⑩	EV1	white	brown	medium bronze	RAL 9001	
		161 EG-Pzl ⑪	302765 206224	302764 206227	302767 207364	- -	- -	
1x	Anti-drilling device EG espag ③4	Backset 15		Backset 30	Backset 40			
				use ordinary anti-drilling device				
1x	SKG -Clip (optional) ⑤6	239489						
1x	Accessory bag strikers RC2 ⑭ ⑮			(profile-related) see profile overview				
1x	Horizontal locking ③2	FFB	(PU 1 unit)		(PU 5 units)			
		620 - 900	213987		213978			
		901 - 1250	213990		213981			
		1251 - 1650	239969		239972			
1x	Vertical locking espag with b/s 15 ㉓ ㉔	Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
		centre	650 - 1100	214014		214002		
		centre	1101 - 1450	214017		214005		
		centre	1451 - 1900	235192		235195		
		centre	1901 - 2350	214023		214011		
			2351 - 2700	214023*		214011*		
				*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required				
or 1x	Vertical locking espag, lockable b/s 30 ③0 ㉔	Handle pos.	FFH	(PU 1 unit)				
centre		1100 - 1450	214050					
centre		1451 - 1900	235198					
centre		1901 - 2350	214056					
				214056*				
				*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required				
1x	Profile set HKS® 200 ④ ③⑤ ③⑥ ③⑦ ③⑧ ④① ④② ④③ ④⑥ ④⑦ ④⑧ ⑤① ⑤②	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		620 - 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	Set stay system holding rail H13* ㉒ ㉓ ㉔ ㉕	FFB	silver	white	brown	medium bronze	RAL 9001	
		620 - 900	208633	208624	208642	208660	208651	
		901 - 1250	208636	208627	208645	208663	208654	
		1251 - 1650	208639	208630	208648	208666	208657	

* Set stay system + holding rail H13* for the standard version.
 Set stay system + holding rail H20 is depending on the profile (large profile radii and special profiles) see page 58/59

ATRIUM HKS® 160 S

Timber, scheme C without post and with open groove EG 30/30

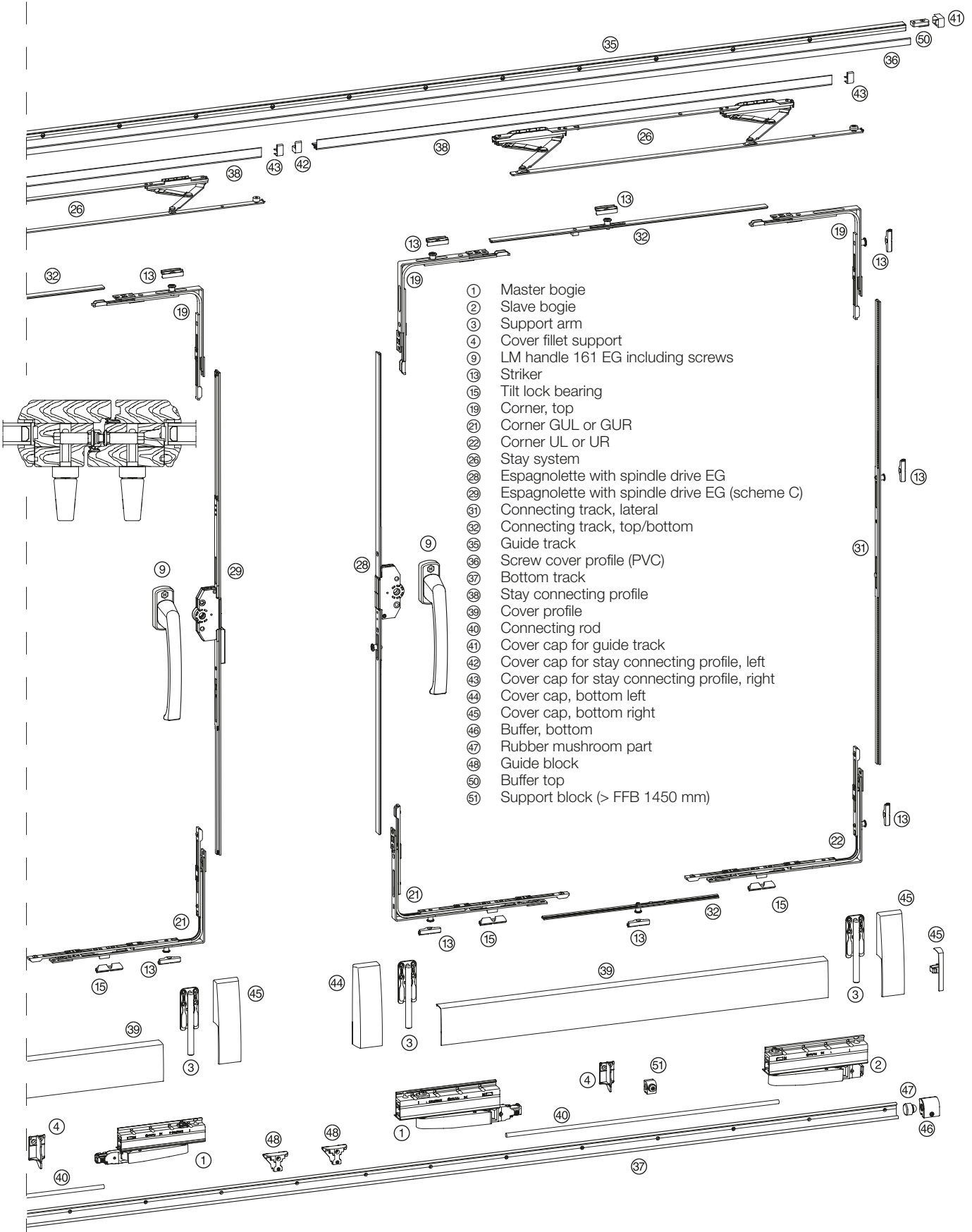


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 160 S
 Timber, scheme C without post and with open groove EG 30/30

Item name				Item code				
1x	Basic carton HKS® 160 S (scheme C) ① ② ③ ⑬ ⑮ ⑰ ⑱						213540	
2x	LM handle c/w drive pin, left/right	161 EG ⑨	EV1 206206	white 206209	brown 207361	medium bronze -	RAL 9001 -	
2x	Accessory bag strikers ⑬ ⑮						(profile-related) see profile overview	
2x	Horizontal locking ③②	FFB	(PU 1 unit)		(PU 5 units)			
		620 - 900	213987		213978			
		901 - 1250	213990		213981			
		1251 - 1650	239969		239972			
1x	Vertical locking espag for French door sash, b/s 30 ②⑨ ③①	Handle pos.	FFH	(PU 1 unit)				
		centre	650 - 1100	214038				
		centre	1101 - 1450	214041				
		centre	1451 - 1900	236118				
		centre	1901 - 2350	214047				
		centre	2351 - 2700	214047*				
*in addition, 1x set linkage 400 mm (item code 239966)								
1x	Vertical locking espag with backset, b/s 30 ②⑧ ③①	Handle pos.	FFH	(PU 1 unit)				
		centre	650 - 1100	214026				
		centre	1101 - 1450	214029				
		centre	1451 - 1900	236115				
		centre	1901 - 2350	214035				
		centre	2351 - 2700	214035*				
*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required								
2x	Profile set HKS® ④ ③⑤ ③⑥ ③⑦ ③⑨ ④① ④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① ⑤②	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		620 - 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
2x	Set stay system holding rail H13* ②⑥ ③⑧ ④② ④③	FFB	silver	white	brown	medium bronze	RAL 9001	
		620 - 900	208633	208624	208642	208660	208651	
		901 - 1250	208636	208627	208645	208663	208654	
		1251 - 1650	208639	208630	208648	208666	208657	

* Set stay system + holding rail H13* for the standard version.

Set stay system + holding rail H20 is depending on the profile (large profile radii and special profiles) see page 58/59

ATRIUM HKS® 160 S

PVC, scheme C with loose post EG 15/15

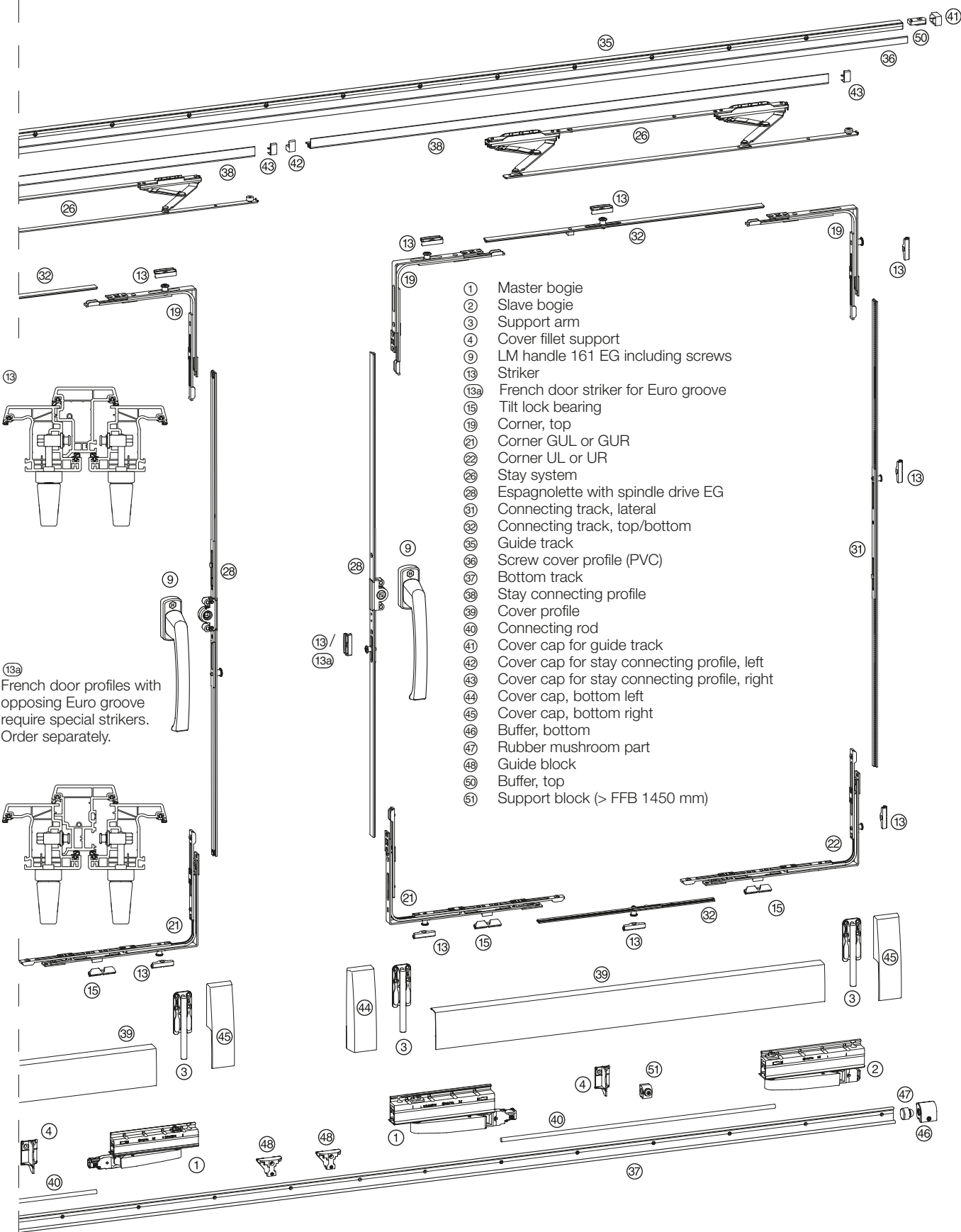


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 160 S
PVC, scheme C with loose post EG 15/15

Item name			Item code					
1x	Basic carton HKS® 160 S (scheme C) ① ② ③ ⑱ ㉑ ㉒					213540		
2x	LM handle c/w drive pin, left/right	161 EG ⑨	EV1 206206	white 206209	brown 207361	medium bronze -	RAL 9001 -	
2x	Accessory bag strikers ⑬ ⑮ ⑯					(profile-related) see profile overview		
1x	Accessory bag strikers (scheme C) for Euro groove ⑬a					219135		
		FFB	(PU 1 unit)		(PU 5 units)			
2x	Horizontal locking ㉓	620 - 900	213987		213978			
		901 - 1250	213990		213981			
		1251 - 1650	239969		239972			
2x	Vertical locking espag, b/s 15 ㉔ ㉕	Handle pos. centre	FFH 650 - 1100	(PU 1 unit) 214014		(PU 5 units) 214002		
		centre	1101 - 1450	214017		214005		
		centre	1451 - 1900	235192		235195		
		centre	1901 - 2350	214023		214011		
			2351 - 2700	214023*		214011*		
		*in addition, 2x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required						
2x	Profile set HKS® 200 ④ ③⑤ ③⑥ ③⑦ ③⑧ ④① ④② ④③ ④⑥ ④⑦ ④⑧ ⑤① ⑤②	FFB 620 - 900	RAB 1930	silver 218973	white 218967	brown 218970	medium bronze 218976	RAL 9001 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
				FFB	silver	white	brown	medium bronze
2x	Set stay system holding rail H13* ㉖ ㉗ ㉘ ㉙	620 - 900	208633	208624	208642	208660	208651	
		901 - 1250	208636	208627	208645	208663	208654	
		1251 - 1650	208639	208630	208648	208666	208657	

* Set stay system + holding rail H13* for the standard version.

Set stay system + holding rail H20 is depending on the profile (large profile radii and special profiles) see page 58/59

ATRIUM HKS® 160 S

PVC, scheme C with loose post EG 30/15

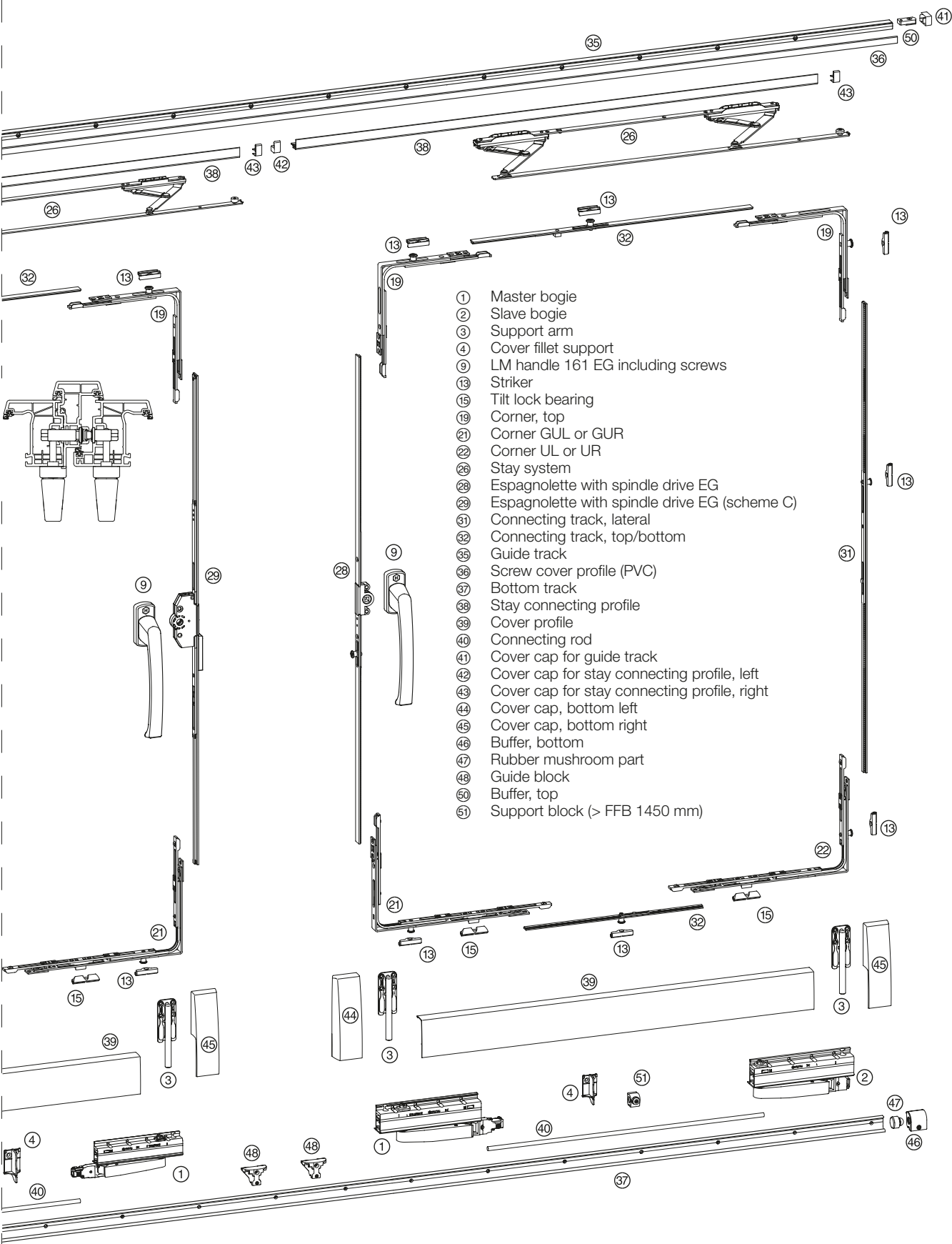


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 160 S
PVC, scheme C with loose post EG 30/15

Item name				Item code			
1x	Basic carton HKS® 160 S (scheme C) ① ② ③ ⑱ ㉑ ㉒						213540
2x	LM handle c/w drive pin, left/right	161 EG ⑨	EV1 206206	white 206209	brown 207361	medium bronze -	RAL 9001 -
2x	Accessory bag strikers ⑬ ⑮						(profile-related) see profile overview
2x	Horizontal locking ㉓	FFB	(PU 1 unit)		(PU 5 units)		
		620 - 900	213987		213978		
		901 - 1250	213990		213981		
		1251 - 1650	239969		239972		
1x	Vertical locking espag for French door sash, b/s 30 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)			
		centre	650 - 1100	214038			
		centre	1101 - 1450	214041			
		centre	1451 - 1900	236118			
		centre	1901 - 2350	214047			
			2351 - 2700	214047*			
*in addition, 1x set linkage 400 mm (item 239966) and matching strikers (profile-related) are required							
1x	Vertical locking espag, b/s 15 ㉖ ㉗	Handle pos.	FFH	(PU 1 unit)		(PU 5 unit)	
		centre	650 - 1100	214014		214002	
		centre	1101 - 1450	214017		214005	
		centre	1451 - 1900	235192		235195	
		centre	1901 - 2350	214023		214011	
			2351 - 2700	214023*		214011*	
*in addition, 1x set linkage 400 mm (item code 231313) and matching strikers (profile-related) are required							
2x	Profile set HKS® ④ ③⑤ ③⑥ ③⑦ ③⑧ ④① ④② ④③ ④④ ④⑤ ④⑥ ④⑦ ④⑧ ⑤① ⑤②	FFB	RAB	silver	white	brown	medium bronze RAL 9001
		620 - 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	
2x	Set stay system holding rail H13* ㉘ ㉙ ㉚ ㉛	FFB	silver	white	brown	medium bronze	RAL 9001
		620 - 900	208633	208624	208642	208660	208651
		901 - 1250	208636	208627	208645	208663	208654
		1251 - 1650	208639	208630	208648	208666	208657

* Set stay system + holding rail H13* for the standard version.
 Set stay system + holding rail H20 is depending on the profile (large profile radii and special profiles) see page 58/59

ATRIUM HKS® 100 S

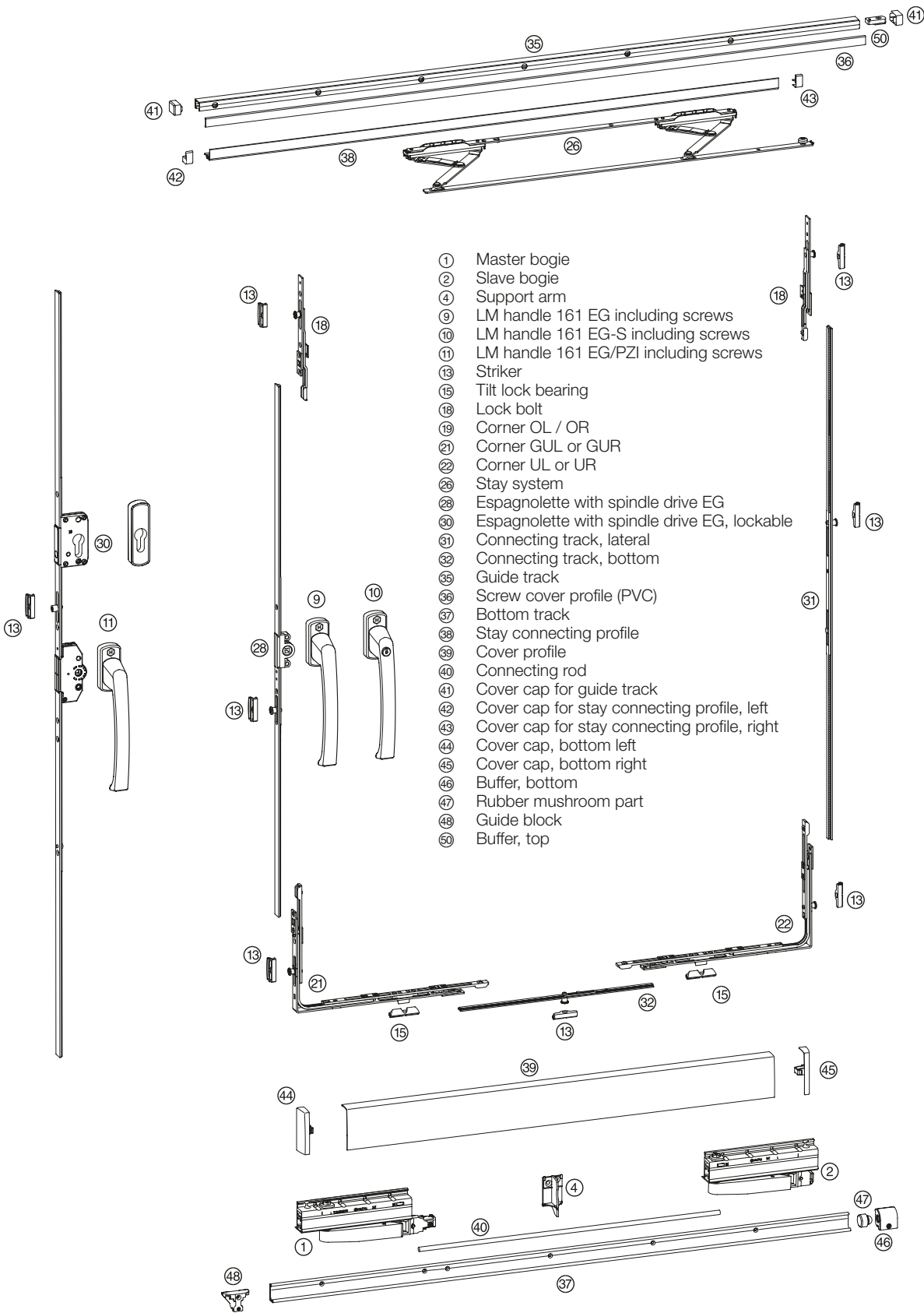


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 100 S

Item name						Item code		
1x	Basic carton HKS® 100 S ① ② ⑬ ⑮ ⑰ ⑲					left 213543	right 213546	
			EV1	white	brown	medium bronze	RAL 9001	
1x	LM handle	161 EG ⑨	206206	206209	207361	-	-	
	c/w drive pin, left/right	161 EG-S ⑩	206215	206218	207367	-	-	
		161 EG-Pzl⑪	206224	206227	207364	-	-	
1x	Accessory bag strikers ⑬ ⑮					(profile-related) see profile overview		
			FFB	(PU 1 unit)				
1x	Connecting track ⑳		620 - 900	217755				
			901 - 1250	217758				
		Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
1x	Vertical locking	centre	650 - 1100	214014		214002		
	espag with b/s 15 ㉔ ①	centre	1101 - 1450	214017		214005		
		centre	1451 - 1900	235192		235195		
		centre	1901 - 2350	214023		214011		
or		Handle pos.	FFH	(PU 1 unit)				
1x	Vertical locking	centre	1100 - 1450	214050				
	espag, lockable b/s 30	centre	1451 - 1900	235198				
	③⑩ ③①	centre	1901 - 2350	214056				
		FFB	RAB	silver	white	brown	medium bronze	RAL 9001
1x	Profile set HKS® 100	620 - 900	1930	223503	223497	223500	223506	223509
	④ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝	901 - 1050	2230	223518	223512	223515	223521	223524
	㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸	1050 - 1250	2630	223533	223527	223530	223536	223539

ATRIUM HKS® 100 S

Timber, scheme C without post and with open groove EG 30/30

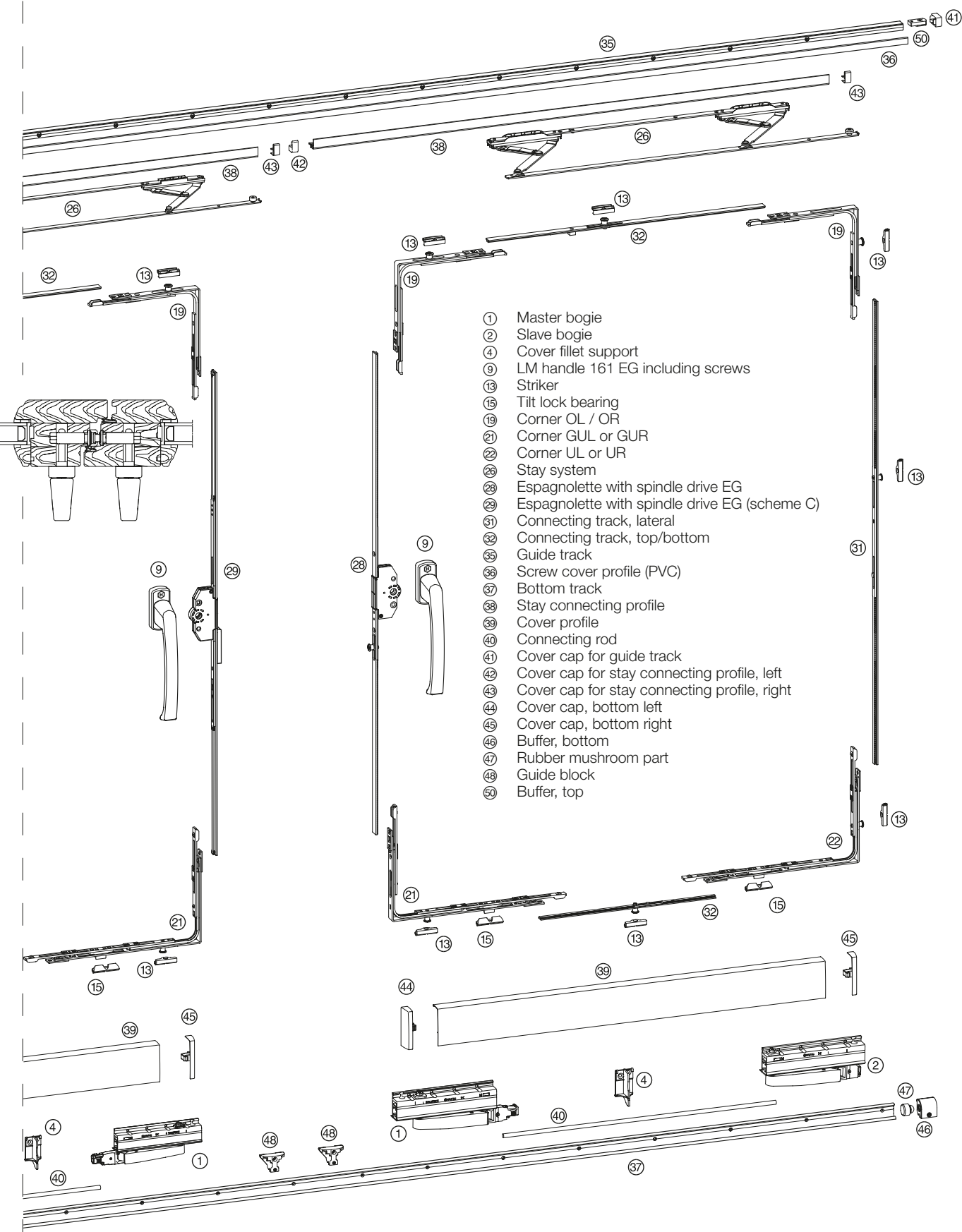


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 100 S
 Timber, scheme C without post and with open groove EG 30/30

Item name				Item code				
1x	Basic carton HKS® 100 S (scheme C) ① ② ⑬ ⑰ ⑳			213549				
2x	LM handle c/w drive pin, left/right	161 EG ⑨	EV1 206206	white 206209	brown 207361	medium bronze -	RAL 9001 -	
2x	Accessory bag strikers ⑬ ⑮			(profile-related) see profile overview				
2x	Horizontal locking ㉔	FFB	(PU 1 unit)		(PU 5 units)			
		620 - 900	213987		213978			
		901 - 1250	213990		213981			
1x	Vertical locking espag for French door sash, b/s 30 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)				
		centre	650 - 1100	214038				
		centre	1101 - 1450	214041				
		centre	1451 - 1900	236118				
		centre	1901 - 2350	214047				
1x	Vertical locking espag with backset, b/s 30 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)				
		centre	650 - 1100	214026				
		centre	1101 - 1450	214029				
		centre	1451 - 1900	236115				
		centre	1901 - 2350	214035				
2x	Profile set HKS® 100 ④ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		620 - 900	1930	223503	223497	223500	223506	223509
		901 - 1050	2230	223518	223512	223515	223521	223524
		1050 - 1250	2630	223533	223527	223530	223536	223539

ATRIUM HKS® 100 S

PVC, scheme C with loose post EG 15/15

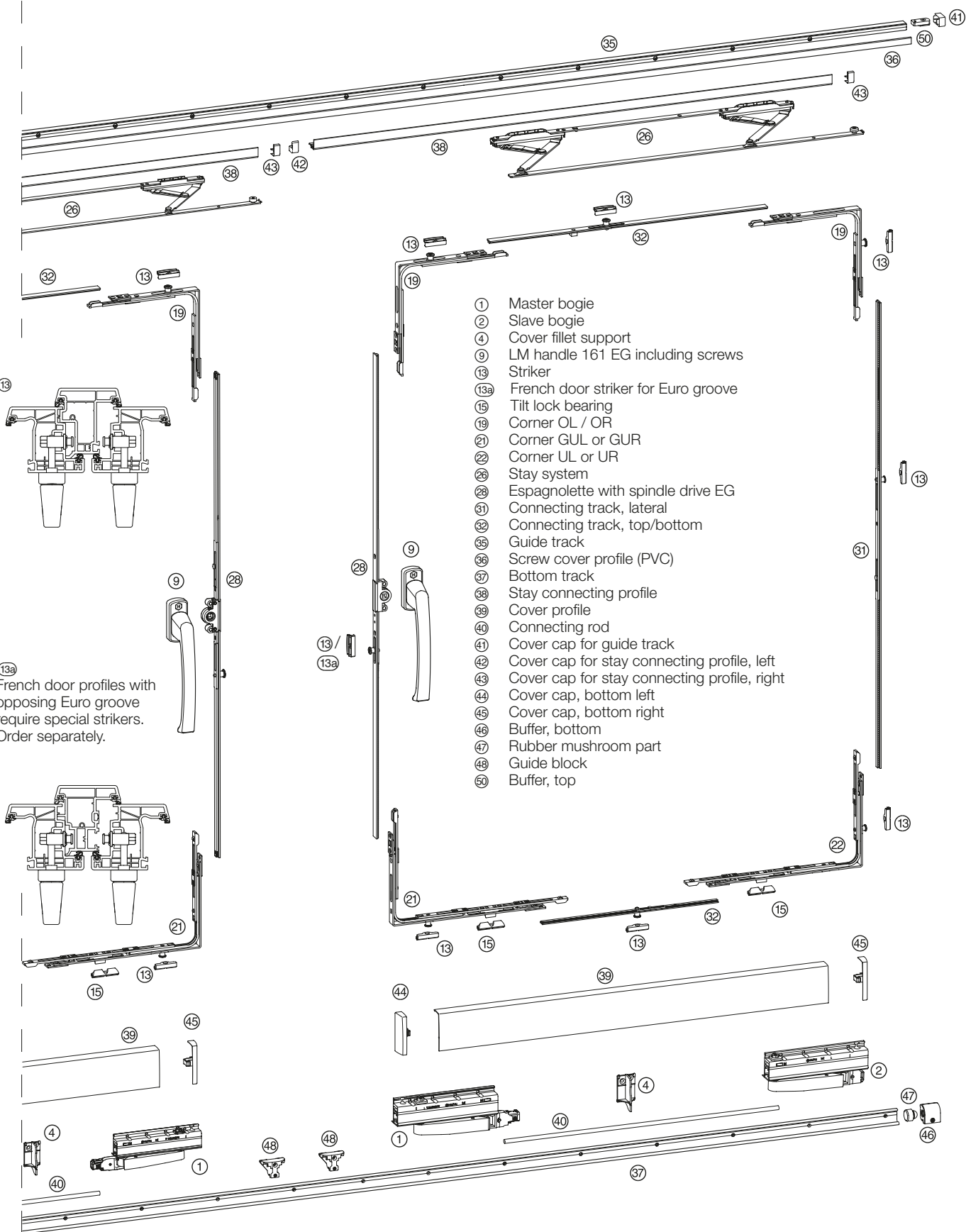


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 100 S
PVC, scheme C with loose post EG 15/15

Item name				Item code				
1x	Basic carton HKS® 100 S (scheme C) ① ② ⑬ ⑰ ⑳			213549				
2x	LM handle c/w drive pin, left/right	161 EG ⑨	EV1 206206	white 206209	brown 207361	medium bronze -	RAL 9001 -	
2x	Accessory bag strikers ⑬ ⑮			(profile-related) see profile overview				
1x	Accessory bag strikers (scheme C) for Euro groove (13a)			219135				
2x	Horizontal locking ㉓	FFB		(PU 1 unit)		(PU 5 units)		
		620 - 900		213987		213978		
		901 - 1250		213990		213981		
2x	Vertical locking espag, b/s 15 ㉔ ㉕	Handle pos.	FFH	(PU 1 unit)		(PU 5 unit)		
		centre	650 - 1100	214014		214002		
		centre	1101 - 1450	214017		214005		
		centre	1451 - 1900	235192		235195		
		centre	1901 - 2350	214023		214011		
2x	Profile set HKS® 100 ④ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		620 - 900	1930	223503	223497	223500	223506	223509
		901 - 1050	2230	223518	223512	223515	223521	223524
		1050 - 1250	2630	223533	223527	223530	223536	223539

ATRIUM HKS® 100 S
 PVC, scheme C with loose post EG 30/15

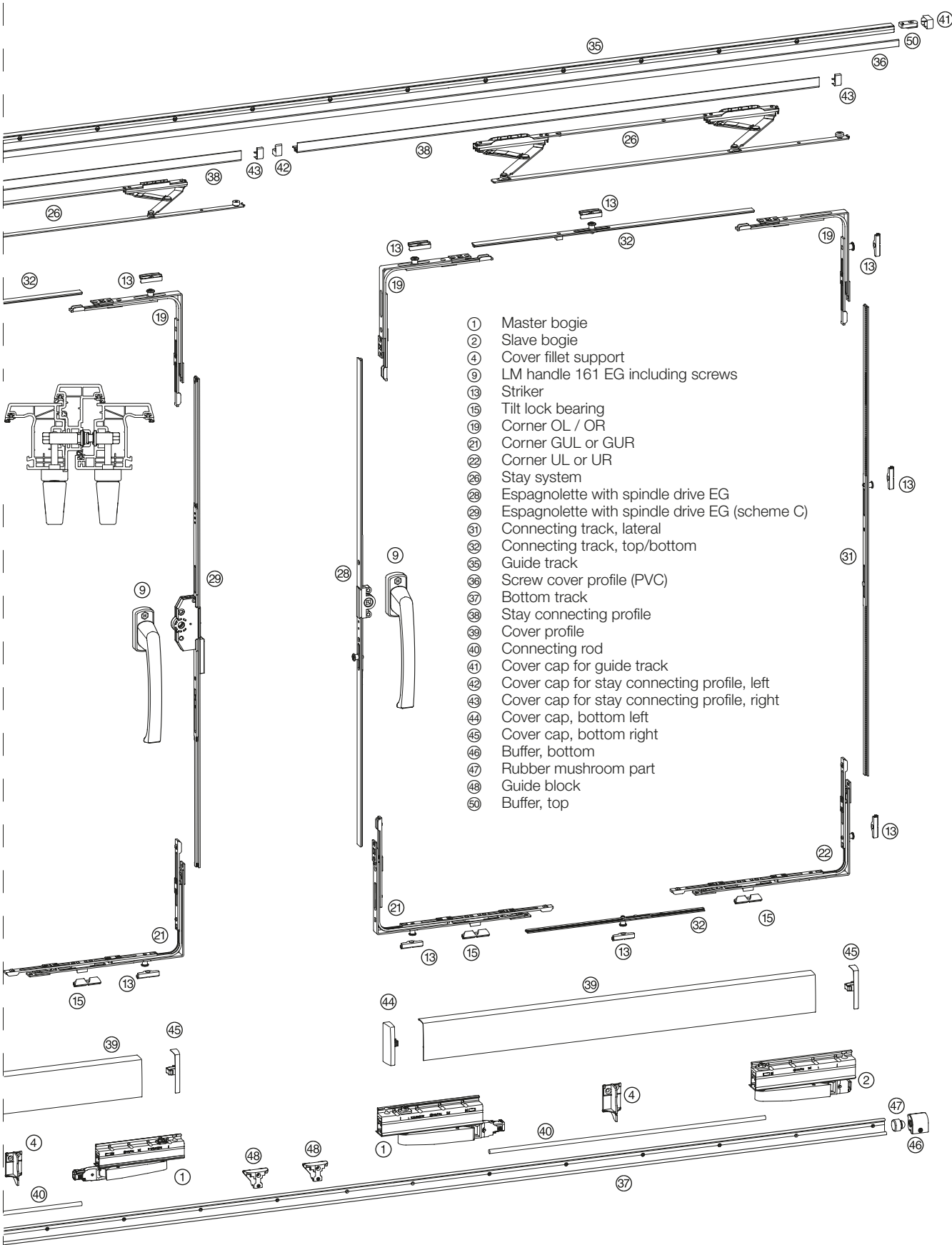


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)

ATRIUM HKS® 100 S
 PVC, scheme C with loose post EG 30/15

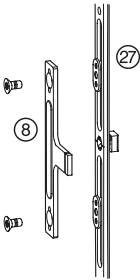
Item name				Item code				
1x	Basic carton HKS® 100 S (scheme C) ① ② ⑬ ⑰ ⑳							213549
2x	LM handle HAUTAU design c/w drive pin, left/right	161 EG ⑨	EV1 206206	white 206209	brown 207361	medium bronze -	RAL 9001 -	
2x	Accessory bag strikers ⑬ ⑮ (profile-related) see profile overview							
2x	Horizontal locking ㉔	FFB		(PU 1 unit)		(PU 5 units)		
		620 - 900		213987		213978		
		901 - 1250		213990		213981		
1x	Vertical locking espag for French door sash, b/s 30 ㉔ ㉰	Handle pos.	FFH	(PU 1 unit)				
		centre	650 - 1100	214038				
		centre	1101 - 1450	214041				
		centre	1451 - 1900	236118				
		centre	1901 - 2350	214047				
1x	Vertical locking espag, b/s 15 ㉔ ㉰	Handle pos.	FFH	(PU 1 unit)		(PU 5 units)		
		centre	650 - 1100	214014		214002		
		centre	1101 - 1450	214017		214005		
		centre	1451 - 1900	235192		235195		
		centre	1901 - 2350	214023		214011		
2x	Profile set HKS® 100 ④ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞	FFB	RAB	silver	white	brown	medium bronze	RAL 9001
		620 - 900	1930	223503	223497	223500	223506	223509
		901 - 1050	2230	223518	223512	223515	223521	223524
		1050 - 1250	2630	223533	223527	223530	223536	223539

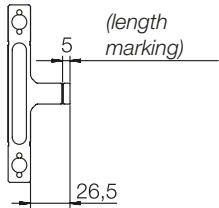
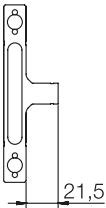
ATRIUM HKS® Z

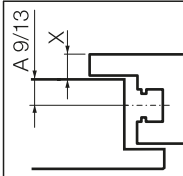
Gear types

Standard

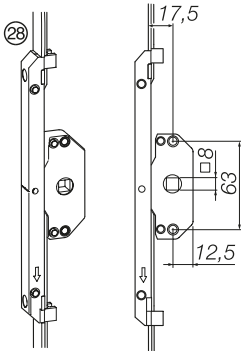
AG



Standard		Option	
⑧ in packing unit, handle 202 AG included		⑧	
			
Dimension between axes A		Dimension between axes A	
9 mm	13 mm	9 mm	13 mm
Rebate step height x (mm) 19-29 Drive pin shortened: 15-24		Rebate step height x (mm) 15-24 15-20	



EG

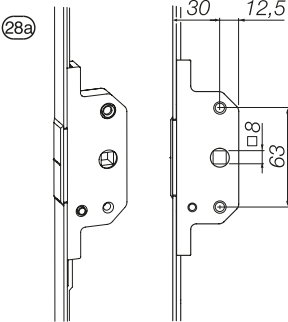


Connecting
rail, lateral

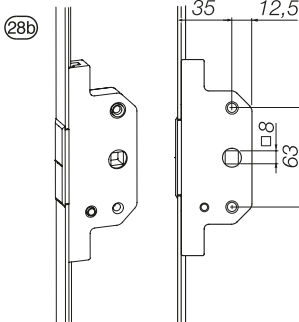


EG with increased backsets

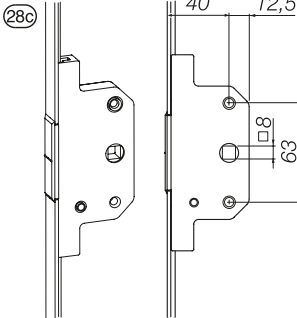
D30



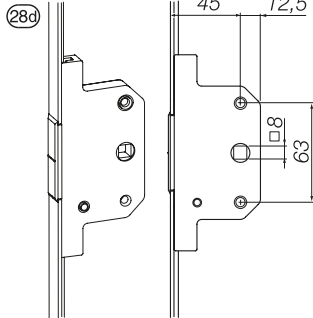
D35



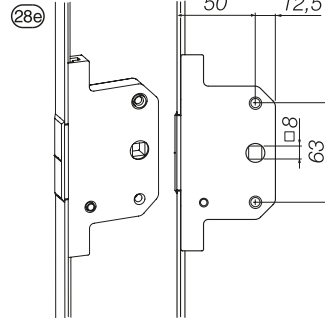
D40



D45



D50



ATRIUM HKS® Z

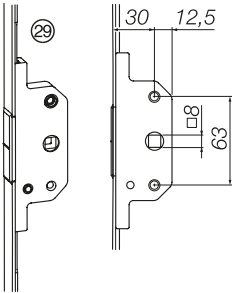
Gear types

Item name	Item code			
Connector AG (including screws) ⑧			Standard	216752
			Optional	216749
	Handle pos.	FFH	(PU 1 unit)	(PU 5 units)
Vertical locking gear with fork drive ②⑦ ③①	450	900 - 1100	213681	213657
	450	1101 - 1300	213684	213660
	650	1301 - 1500	213687	213663
	650	1501 - 1700	213690	213666
	950	1701 - 1900	213693	213669
	950	1901 - 2100	213696	213672
	950	2101 - 2300	213699	213675
	950	2301 - 2400	213702	213678
Vertical locking espag, b/s 17,5 ②⑧ ③①	450	900 - 1100	213729	213705
	450	1101 - 1300	213732	213708
	650	1301 - 1500	213735	213711
	650	1501 - 1700	213738	213714
	950	1701 - 1900	213741	213717
	950	1901 - 2100	213744	213720
	950	2101 - 2300	213747	213723
	950	2301 - 2400	213750	213726
Vertical locking espag, b/s 30 ②⑧a ③①	450	900 - 1100	213756	
	450	1101 - 1300	213759	
	650	1301 - 1500	213762	
	650	1501 - 1700	213765	
	950	1701 - 1900	213768	
	950	1901 - 2100	213771	
	950	2101 - 2300	213774	
	950	2301 - 2400	213777	
Vertical locking espag, b/s 35 ②⑧b ③①	950	1701 - 1900	213780	
	950	1901 - 2100	213783	
	950	2101 - 2300	213786	
	950	2301 - 2400	213789	
Vertical locking espag, b/s 40 ②⑧c ③①	450	900 - 1100	213792	
	450	1101 - 1300	213795	
	650	1301 - 1500	213798	
	650	1501 - 1700	213801	
	950	1701 - 1900	213804	
	950	1901 - 2100	213807	
	950	2101 - 2300	213810	
	950	2301 - 2400	213813	
Vertical locking espag, b/s 45 ②⑧d ③①	950	1701 - 1900	213816	
	950	1901 - 2100	213819	
	950	2101 - 2300	213822	
	950	2301 - 2400	213825	
Vertical locking espag, b/s 50 ②⑧e ③①	950	1701 - 1900	213828	
	950	1901 - 2100	213831	
	950	2101 - 2300	213834	
	950	2301 - 2400	213837	

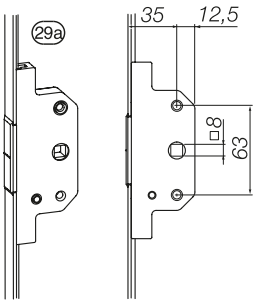
ATRIUM HKS® Z

Gear types

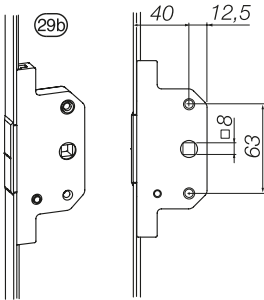
EG French door, b/s 30



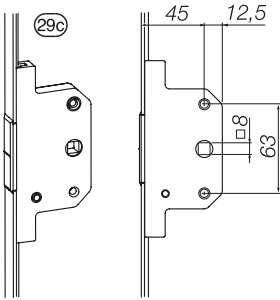
EG French door, b/s 35



EG French door, b/s 40



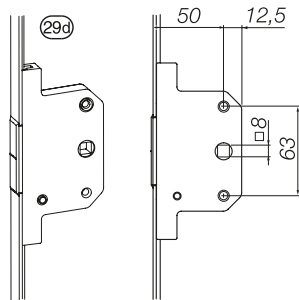
EG French door, b/s 45



Connecting
 rail, lateral



EG French door, b/s 50



ATRIUM HKS® Z

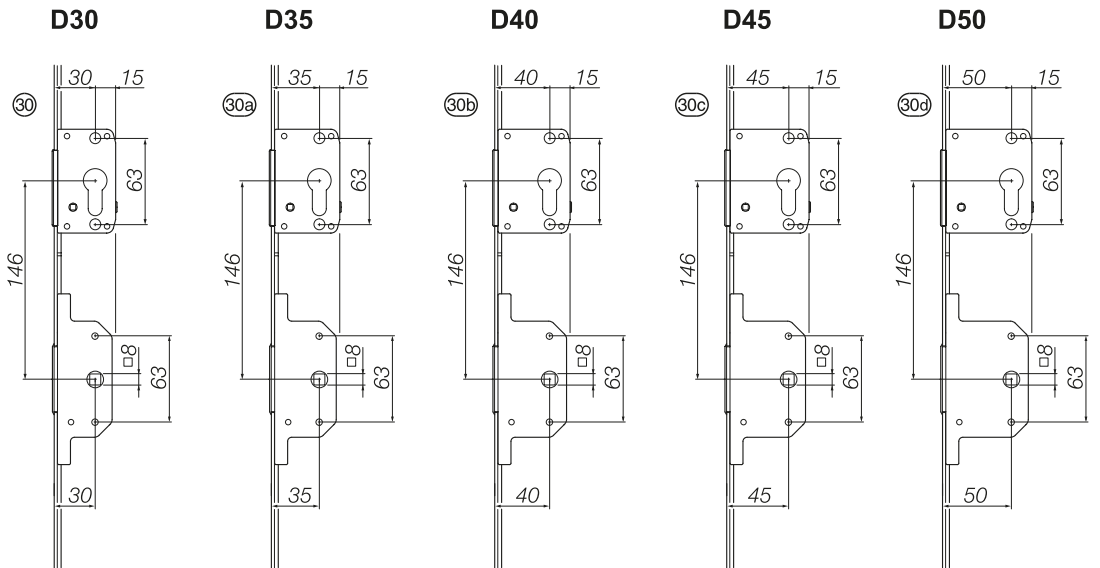
Gear types

Item name	Handle pos.	FFH	Item code (PU 1 unit)
Vertical locking espag for French doors, b/s 30 29 31	450	1101 - 1300	213840
	650	1301 - 1500	213843
	650	1501 - 1700	213846
	950	1701 - 1900	213849
	950	1901 - 2100	213852
	950	2101 - 2300	213855
	950	2301 - 2400	213858
Vertical locking espag for French doors, b/s 35 29a 31	950	1701 - 1900	213861
	950	1901 - 2100	213864
	950	2101 - 2300	213867
	950	2301 - 2400	213870
Vertical locking espag for French doors, b/s 40 29b 31	450	1101 - 1300	213873
	650	1301 - 1500	213876
	650	1501 - 1700	213879
	950	1701 - 1900	213882
	950	1901 - 2100	213885
	950	2101 - 2300	213888
	950	2301 - 2400	213891
Vertical locking espag for French doors, b/s 45 29c 31	950	1701 - 1900	213894
	950	1901 - 2100	213897
	950	2101 - 2300	213900
	950	2301 - 2400	213903
Vertical locking espag for French doors, b/s 50 29d 31	950	1701 - 1900	213906
	950	1901 - 2100	213909
	950	2101 - 2300	213912
	950	2301 - 2400	213915

ATRIUM HKS® Z

Gear types

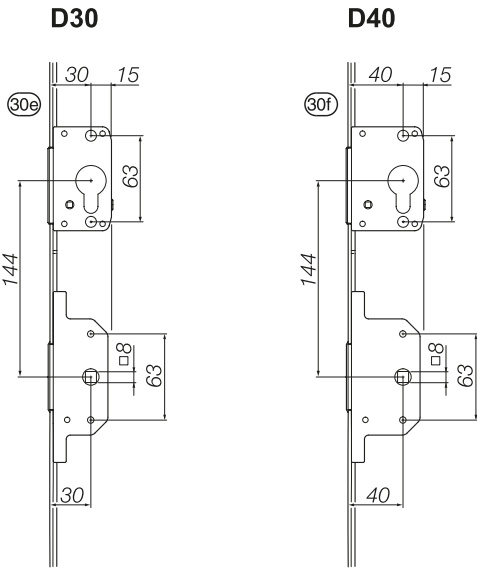
EG, lockable (profile cylinder)



Connecting
 rail, lateral



EG, lockable (round cylinder)



ATRIUM HKS® Z

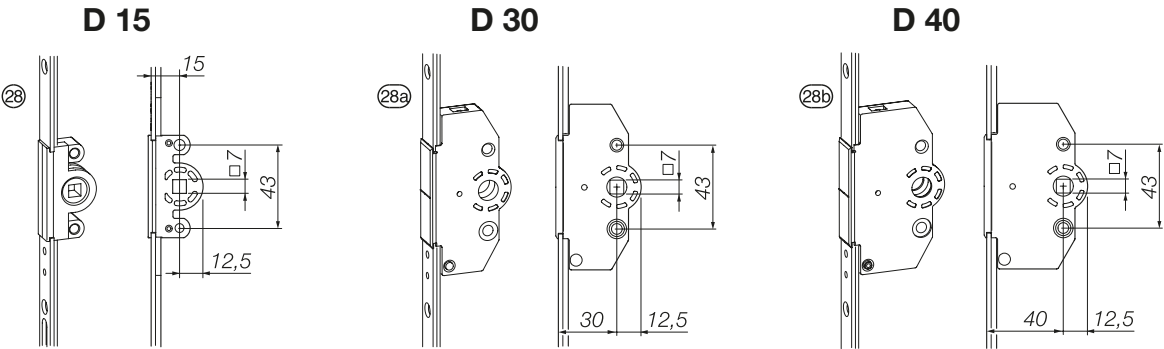
Gear types

Item name	Handle pos.	FFH	Item code (PU 1 unit)
Vertical locking espag, lockable b/s 30 30 31	950	1701 - 1900	213918
	950	1901 - 2100	213921
	950	2101 - 2300	213924
	950	2301 - 2400	213927
Vertical locking espag, lockable b/s 35 30a 31	950	1701 - 1900	213930
	950	1901 - 2100	213933
	950	2101 - 2300	213936
	950	2301 - 2400	213939
Vertical locking espag, lockable b/s 40 30b 31	950	1701 - 1900	213942
	950	1901 - 2100	213945
	950	2101 - 2300	213948
	950	2301 - 2400	213951
Vertical locking espag, lockable b/s 45 30c 31	950	1701 - 1900	213954
	950	1901 - 2100	213957
	950	2101 - 2300	213960
	950	2301 - 2400	213963
Vertical locking espag, lockable b/s 50 30d 31	950	1701 - 1900	213966
	950	1901 - 2100	213969
	950	2101 - 2300	213972
	950	2301 - 2400	213975
Vertical locking round cylinder espag, lockable b/s 30 30e 31	950	1701 - 1900	217500
	950	1901 - 2100	217503
	950	2101 - 2300	217506
	950	2301 - 2400	217509
Vertical locking round cylinder espag, lockable b/s 40 30f 31	950	1701 - 1900	217512
	950	1901 - 2100	217515
	950	2101 - 2300	217518
	950	2301 - 2400	217521

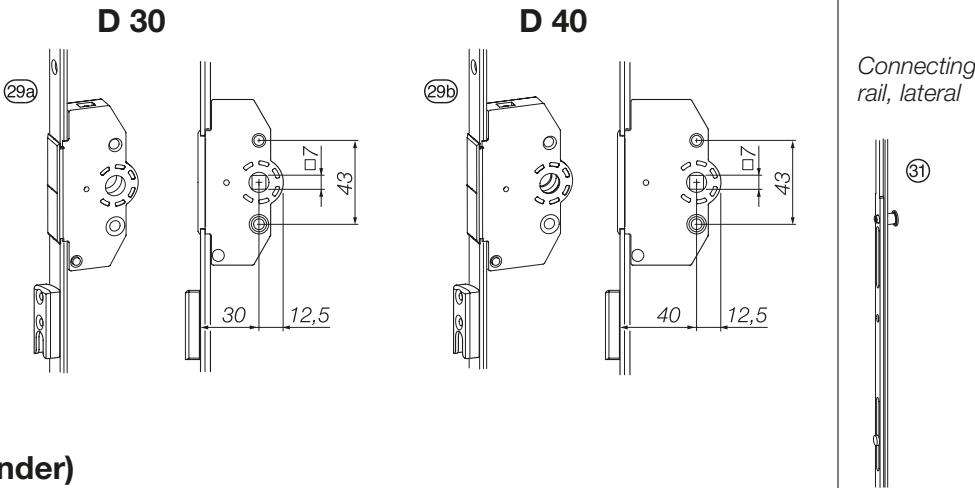
ATRIUM HKS® 160 S

Gear types

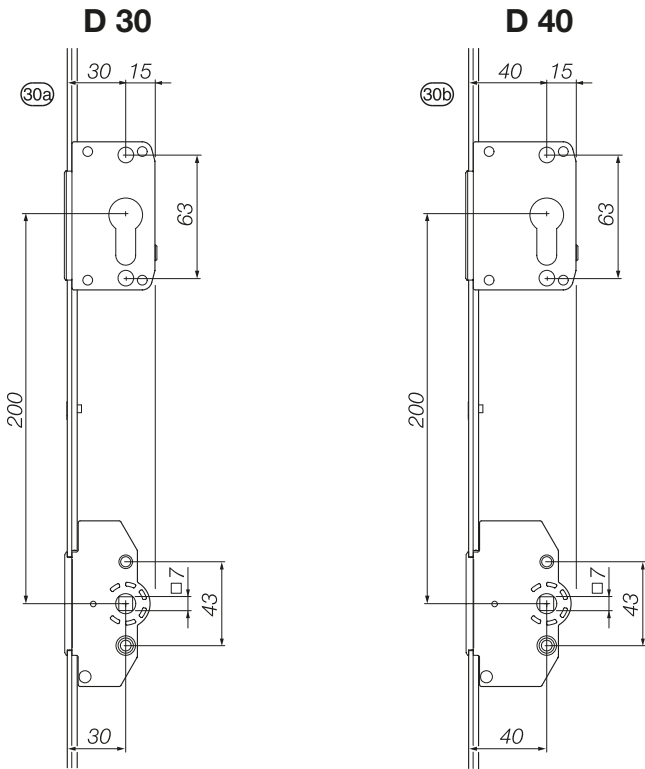
Standard EG



EG forend



EG, lockable (profile cylinder)

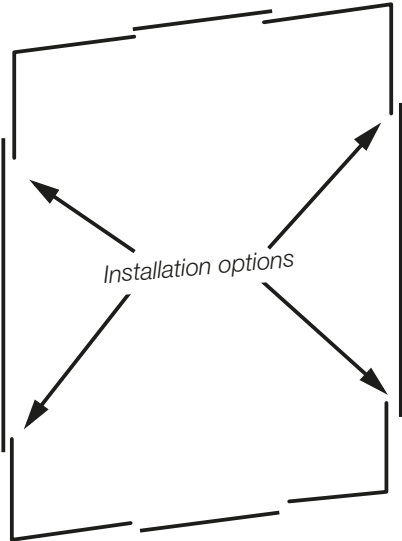
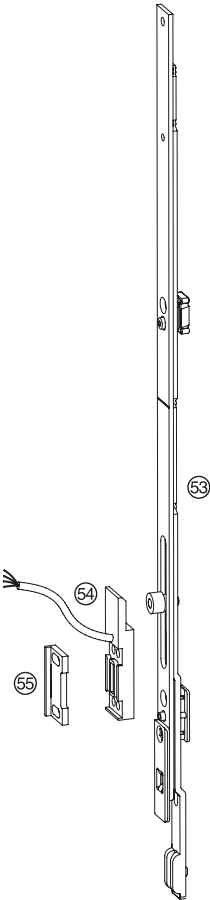


ATRIUM HKS® 160 S

Gear types

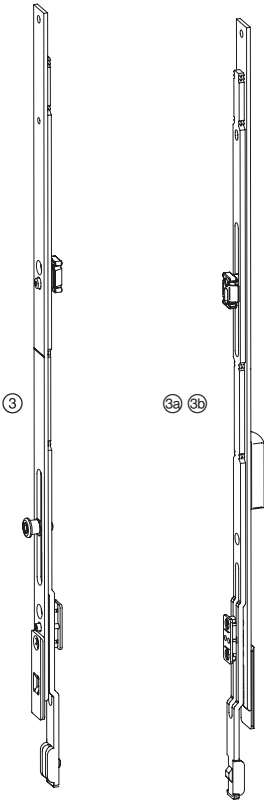
Item name	Handle position	FFH	Item code	
			(PU 1 set)	(PU 5 sets)
Vertical locking Gearbox espag, D 15 28 31	centre	650 - 1100	214014	214002
	centre	1101 - 1450	214017	214005
	centre	1451 - 1900	235192	235195
	centre	1901 - 2350	214023	214011
Vertical locking Gearbox espag with increased backsets, D 30 28a 31	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 28b 31	centre	650 - 1100	238037	
	centre	1101 - 1450	238040	
	centre	1451 - 1900	238043	
	centre	1901 - 2350	238046	
Vertical locking Gear box espag for French door sash, D 30 29a 31	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 29b 31	centre	650 - 1100	238238	
	centre	1101 - 1450	238241	
	centre	1451 - 1900	238244	
	centre	1901 - 2350	238247	
Vertical locking Gearbox espag, lockable, D 30 30a 31	centre	1100 - 1450	214050	
	centre	1451 - 1900	235198	
	centre	1901 - 2350	214056	
Vertical locking Gearbox espag, lockable, D 40 30b 31	centre	1100 - 1450	214059	
	centre	1451 - 1900	236121	
	centre	1901 - 2350	214065	

Locking device monitoring



Note:
 If locking device monitoring is used with ATRIUM HKS® 100 S / 160 S it requires a central locking height one size step minor. In addition to the standard linkage of the locking device monitoring it needs 3 more HKS linkages (article code 207705).

Linkages



Locking device monitoring

Item name	Item code
Set locking device control without packer ⑤③ ⑤④	221659
Set locking device control with packer 1 ⑤③ ⑤④ ⑤⑤	221662
Set locking device control with packer 2 ⑤③ ⑤④ ⑤⑤	221665
Set locking device control with packer 3 ⑤③ ⑤④ ⑤⑤	221668
Set locking device control with packer 4 ⑤③ ⑤④ ⑤⑤	221671
Set locking device control with packer 5 ⑤③ ⑤④ ⑤⑤	221674
Set locking device control with packer 6 ⑤③ ⑤④ ⑤⑤	221677

Content of set:

Linkage 400 mm HKS® Z VK ⑤③ (Item code: 215037)
 Locking device sensor system KVS 10 m ⑤④ (Item code: 226240)
Set 1-6 only: Packer magnetic contact KVS ⑤⑤ (Item code: **1** = 226243; **2** = 226246; **3** = 226249; **4** = 226252; **5** = 226255; **6** = 226258)

Example:

Item Code	Item name
221659	Locking device control without packer content: 215037 Linkage 400 mm HKS® Z VK 226240 Magnetic contact KVS 10 m without packer
221662	Locking device control with packer 1 content: 215037 Linkage 400 mm HKS® Z VK 226240 Magnetic contact KVS 10 m 226243 Packer magnetic contact KVS 1...

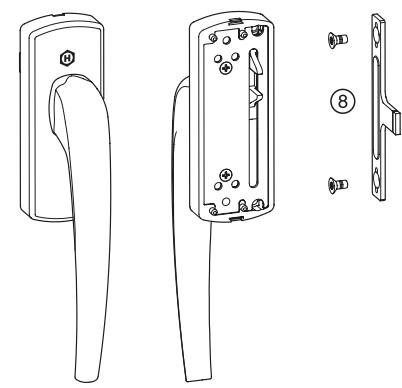
Note: The set to be chosen can be found in the list of profiles in our profile overview
 ATRIUM HKS® for timber and PVC elements on our website.

Linkages

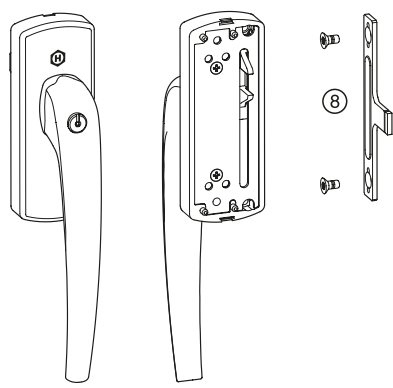
Item name	Item code
Set Linkage 400 mm (can be shortened by 200 mm) for HKS® Z, HKS® 160 S, content: 2 x ③	231313
Set Linkage 400 mm (can be shortened by 200 mm) for French doors for HKS® Z, content: 1 x ③ 1 x ③a	239963
Set Linkage 400 mm (can be shortened by 200 mm) for French doors for HKS® 160 S, content: 1 x ③ 1 x ③b	239966
Linkage 400 mm HKS® 200 Z, HKS® 160 S, content: 1 x ③	

Note: 4 spacers are always required.

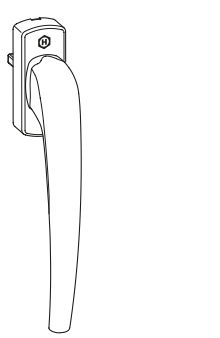
Handles ATRIUM HKS® Z



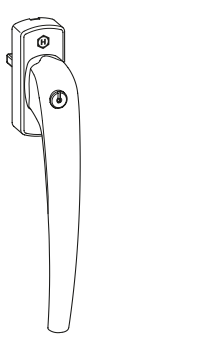
⑥ HAUTAU design handle 202 AG



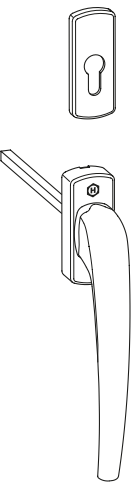
⑦ HAUTAU design handle 202 AG-S



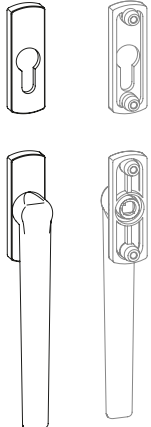
⑨ HAUTAU design handle 201 EG



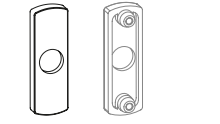
⑩ HAUTAU design handle 201 EG-S



⑪ HAUTAU design handle 201 EG-Pzl



⑫ HAUTAU design handle 201 EG-PzA*

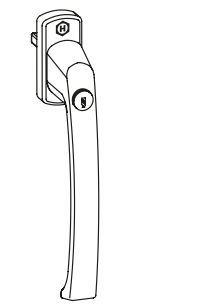


⑫a Cover for round cylinder (internal/external)

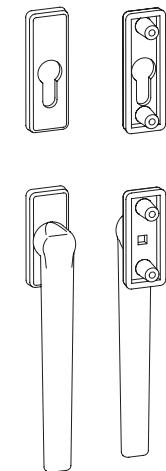
Handles ATRIUM HKS® 160 S / 100 S



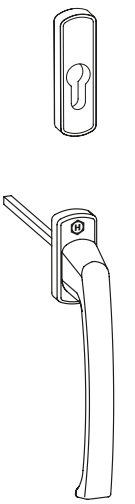
⑨ LM handle 161 EG



⑩ LM handle 161 EG-S RC 2



⑫ LM handle 161 EG-PzA*



⑪ LM handle 161 EG-Pzl

Handles ATRIUM HKS® Z

Item name			Item code					
			EV1	white	brown	medium bronze	RAL 9001	F9
LM handle HAUTAU design 202 including gear with fork drive and connector ⑧	202 AG ⑥	left	211090	211096	211114	211108	211102	224235
		right	211087	211093	211111	211105	211099	224232
	202 AG-S ⑦	left	211120	211126	211144	211138	211132	224328
		right	211117	211123	211141	211135	211129	224325
LM handle HAUTAU design 201 for gear box espag	201 EG ⑨		170747	170741	219963	176919	193558	170753
	201 EG-S ⑩		170762	170756	219957	176922	195062	170768
	201 EG-PzA* ⑫		170789	170783	219969	176928	219972	177018
	201 EG-Pzl ⑪		170798	170792	219951	176925	219954	170801
Cover internal/external for round cylinder			EV1		brown		RAL 9010	
			219393		219390		218754	

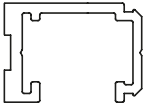
* Range of application: max. sash profile depth (FT): 90 mm

Handles ATRIUM HKS® 160 S / 100 S

Item name		Item code		
		EV1	white	brown
LM handle 161 for gear box espag	161 EG ⑨	206206	206209	207361
	161 EG-S RC 2 ⑩	302765	302764	302767
	160 EG-PzA* ⑫	163272	163275	163278
	161 EG-Pzl ⑪	206224	206227	207364

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

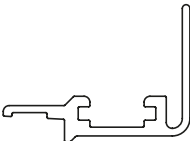
Profile in stock lengths / accessories



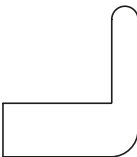
35 Guide track



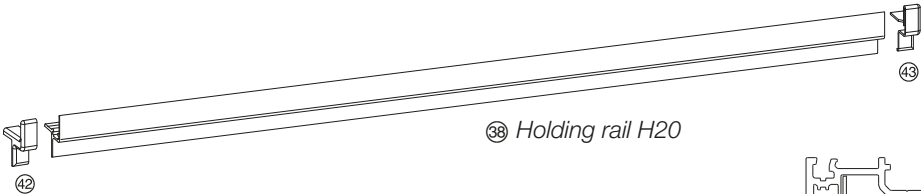
36 Screw cover profile (PVC)



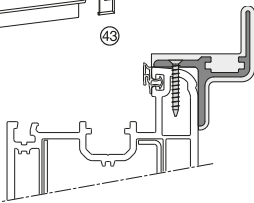
38 Stay connecting profile H13



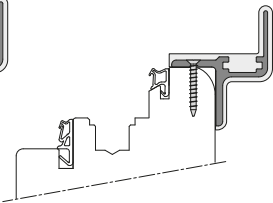
42/43 Cover cap stay connecting profile 13 (left/right)



39 Holding rail H20



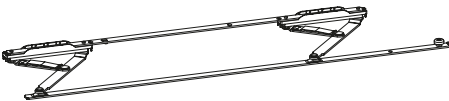
see profile overview



for large radii



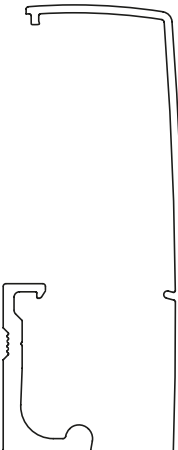
41 Cover cap guide track



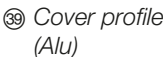
26 Stay system



50 Buffer top



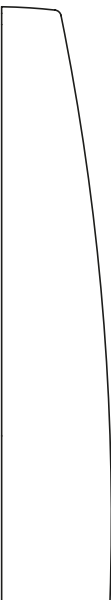
37 Bottom track



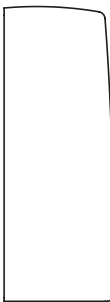
39 Cover profile (Alu)



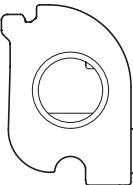
40 Connecting rod



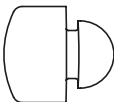
44/45 Cover cap bottom (left/ right) HKS 200 Z/160 S



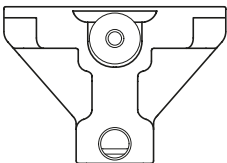
44/45 Cover cap bottom (left/right) HKS 100 S



46 Buffer bottom



47 Rubber mushroom part



48 Guide block

Profiles in stock lengths / accessories

Item name		blank	EV1	white	Item code		
					brown	medium bronze	RAL 9001
Guide track 35	L 6070 mm	-	113066	-	-	-	-
Bottom track 37	L 6070 mm	226195	226186	-	226192	226189	-
Bag cover caps HKS® Z (PU 10 units)		-	208531	208525	208528	208534	208537
Bag cover caps HKS® 160 S (PU 10 units)		-	208546	208540	208543	208549	208552
Bag cover caps HKS® 100 S (PU 10 units)		-	208561	208555	208558	208564	208567

Item name		grey	white	Item code		
				black	medium bronze	RAL 9001
Screw cover profile (PVC) 36	L 6080 mm	224346	127046	175515	127043	158273

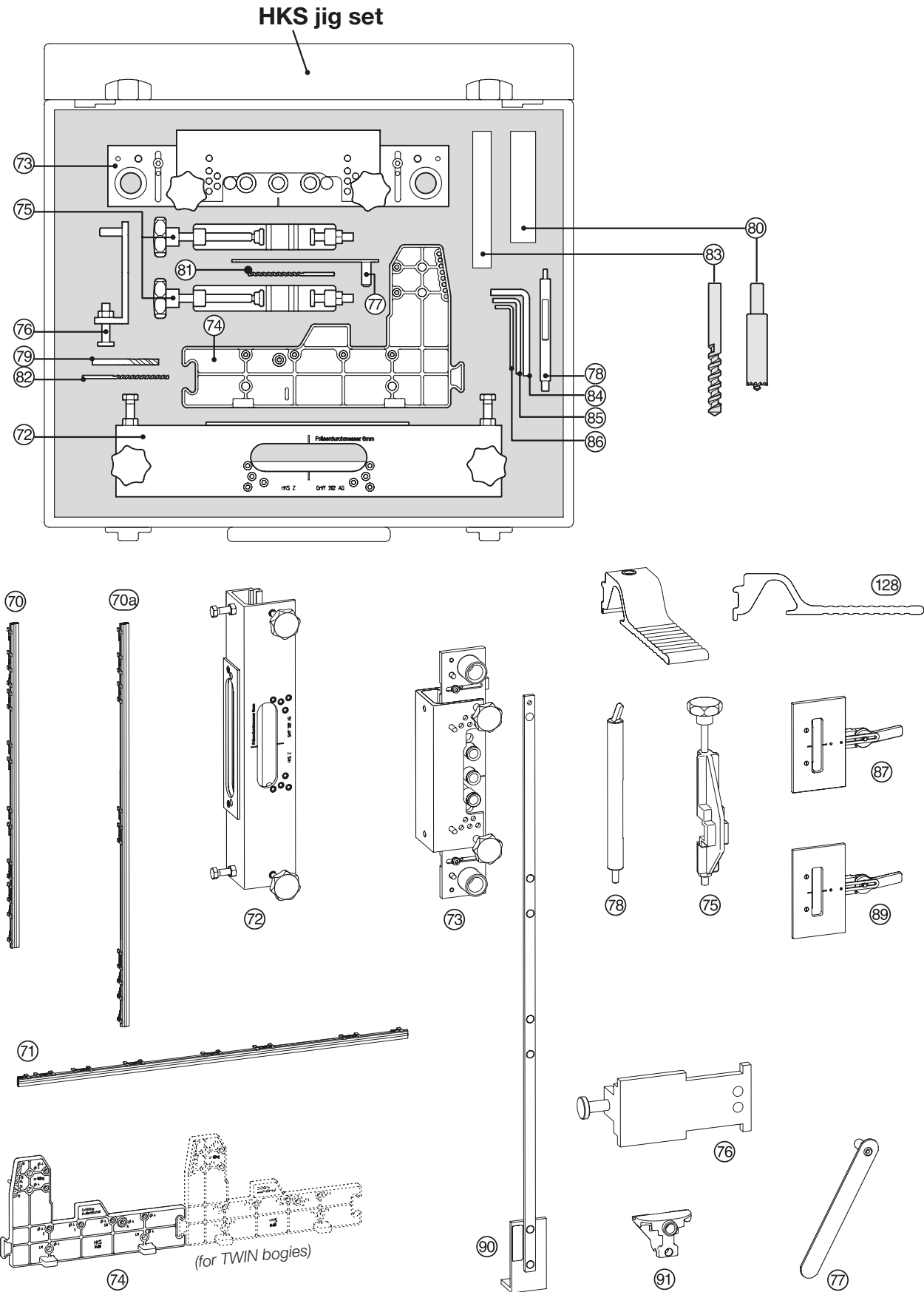
Item name		blank	silver	white	Item code		
					brown	medium bronze	RAL 9001
Stay connecting profile 38	L 5220 mm	237689	232699	232693	232696	232702	232705
Cover profile 39	L 5190 mm	216285	216288	216300	216291	216294	216297
Movable guide block 48		black 301349	silver 301348				

Item name				Item code	
				galvanised (HAUTAU-S ^{plus})	
Connecting rod 40				L 3600 mm	110387
Stay system (PU 10 units) 26			FFB	620 - 900	220302
			FFB	901 - 1250	220326
			FFB	1251 - 1650	220350

Item name			Item code		
			silver	white	brown
Set stay system and holding rail H20 26 38 42 43		FFB			
		620 - 900	240110	240119	240128
		901 - 1250	240113	240122	240131
		1251 - 1650	240116	240125	240134

Note: Use of holding rail H20 see profile overview.

Mounting tools



Mounting tools

Item name				Item code
HKS jig set				215244
Drilling/milling jig for handle AG and stay recess 72				
Drilling jig for handle EG 73				
Drilling jig for bogies, cover fillet supports, and support arms 74				
Release pin for glider release 78, can also be used to align the stay and as a tool for the anti-lifting device				
Jig for guide track and bottom track 75				
Jig for guide block 76				
Drill centring device 77				
Cutting bit Ø 6.0 mm 79				
Drill bit Ø 4.2 mm 82				
Drill bit Ø 3.2 mm 81				
ISR - T 40 84				
ISR - T 25 85				
ISR - T 15 86				
Drilling/milling jig for stay recess and handle AG 72				214629
Drilling jig for handle EG 73				215247
Drilling jig for bogies, cover fillet supports, and support arms 74				215277
Release pin for glider release 78, can also be used to align the stay and as a tool for the anti-lifting device				215283
Jig for guide track and bottom track 75				215256
Jig for guide block 76				215301
Drill centring device 77				110747
Drill bit Ø 12 mm 83				219654
Core drill Ø 20 mm 80				219663
Inserting jig, design Z, adjustable	Strikers (horizontal) 71	FFB 730... 2000		232312
	Strikers (vertical), size 1 70	FFH 900... 1700		232303
	Strikers (vertical), size 2 70a	FFH 1701... 2400		232306
Set of right-angle screwdrivers ISR – T15, T25, T40 84 85 86				208576
Jig for movable guide block 81				301352
Milling jig for strikers/tilt lock bearings for timber 4 mm rebate size 87 w/o. tensioning lever				215262
Milling jig for frame buffer anti-mishandling device HAUTAU onTop 89 w/o. tensioning lever				215271
Tensioning lever for milling jig 87 89				122240
Height gauge for jig 90				221756
HKS comfort jig impact tilt damper / closing initiator 128				303662

Optional item standard

Item name		Item code	
1x	Carton with support set HKS ③ ⑤⑦ ⑤⑧	303963	
	Contents:		
	Adjustable support arm (2 pieces)		
	Closure control / tilt damper (1 piece)		
1x	Gear box anti-drilling device HKS S D15 ③④	303258	
	for RC2 version, backset 15		
2x	Basic carton HKS® comfort TWIN without closing initiator	left	right
		304721	304721



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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.