

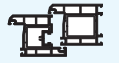
AXOR[®]

INTENT

Hardware for sliding systems



www.axorindustry.com



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- **HAUTAU HKS 100 S & HKS 160 S**

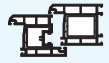
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SECTION 1

INTENT  **SMART&QUICK**

**SLIDING SYSTEM
OF THE NEW GENERATION**



SMART&QUICK system

AXOR Intent Smart&Quick is ideal for large PVC constructions because, unlike lift-and-slide systems, you don't need to lift the sash to move it. The system is arranged in such a way that when the handle is lifted up, the sash independently moves away from the frame by 6 mm, after which a light push to the side is enough for the sash weighing up to 200 kg to open smoothly. There is no need to lift a heavy structure for sliding, and friction during closing is minimized, so that no

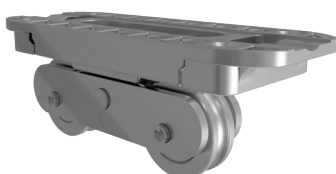
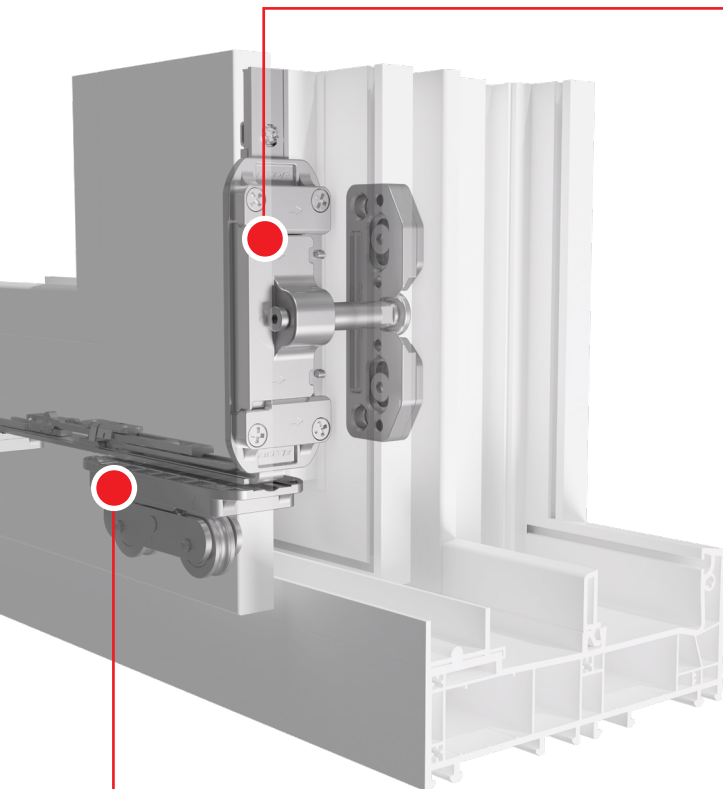
extra effort is required to operate the system. Such hardware are best fitted for open facades and winter gardens, as they are highly airtight and provide easy opening of large and heavy sashes.

AXOR Intent Smart&Quick hardware allow the production of PVC structures with a width of up to 1790 mm and a height of up to 2390 mm. In addition, it provides high thermal insulation and waterproofing.



Side lock + locking plate

The main locking element from the mullion side.



Running mechanism (bogie)
with built-in ball bearings
for better gliding.

Comfortable



AXOR Intent Smart&Quick combines smooth movement with intuitive control. Thanks to the running mechanisms (bogies), the movement of even large and heavy sashes is extremely smooth and easy. Built-in ball bearings minimize friction, which ensures easy and reliable operation of the system.

In addition, it provides high thermal insulation and waterproofing.

Impermeable



A continuous sealing circuit and a large number of pressure points guarantee maximum tightness of the system. Closed, the system reliably protects against street noise, torrential rain and gale force winds. This makes it ideal for high-rise buildings, open terraces and winter gardens.

Secure

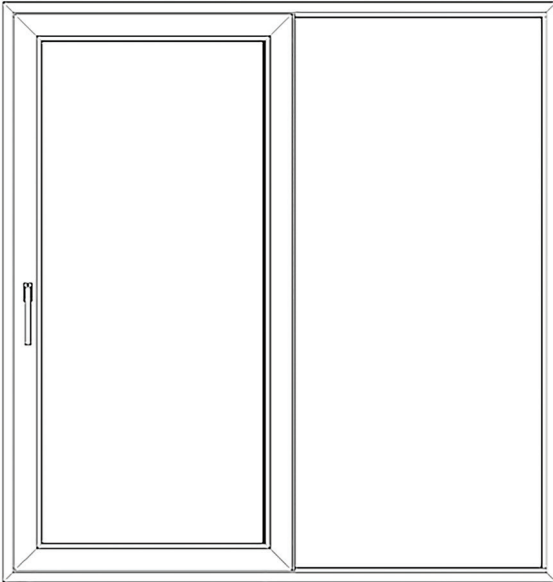


AXOR Intent Smart&Quick reliably protects premises from thieves. The structure, equipped with mushroom locking pins paired with security locking plates, ensures a consistently high break-resistance of windows and doors.

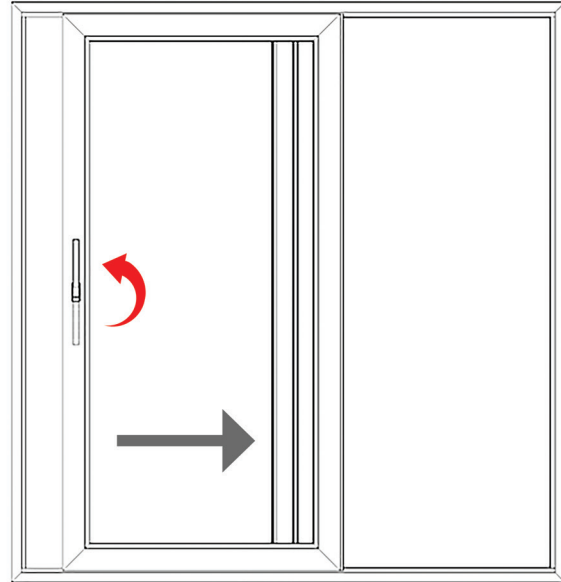


The principle of opening structures

The sash is closed

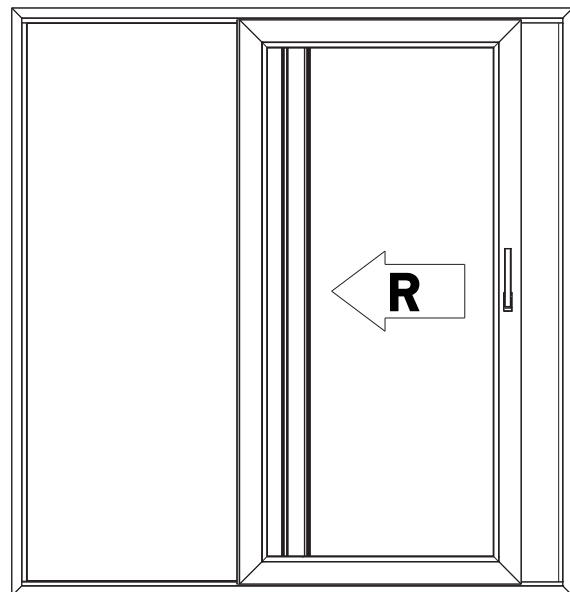
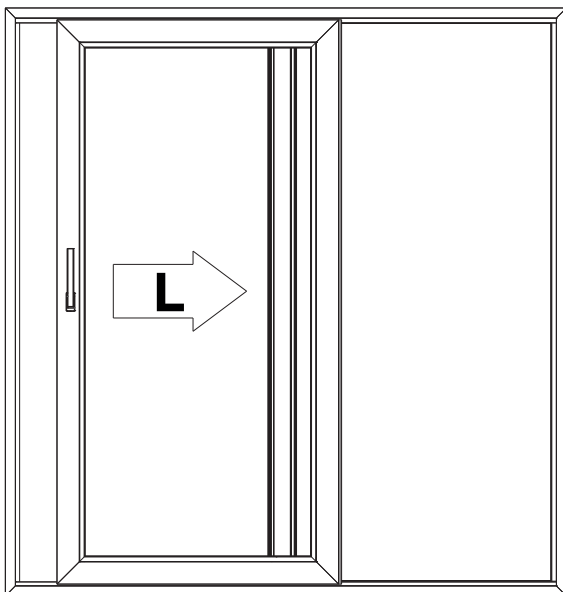


The sash is opened



When the handle is lifted up, the sash moves away from the frame by 6 mm, after which it can be pushed to the side.

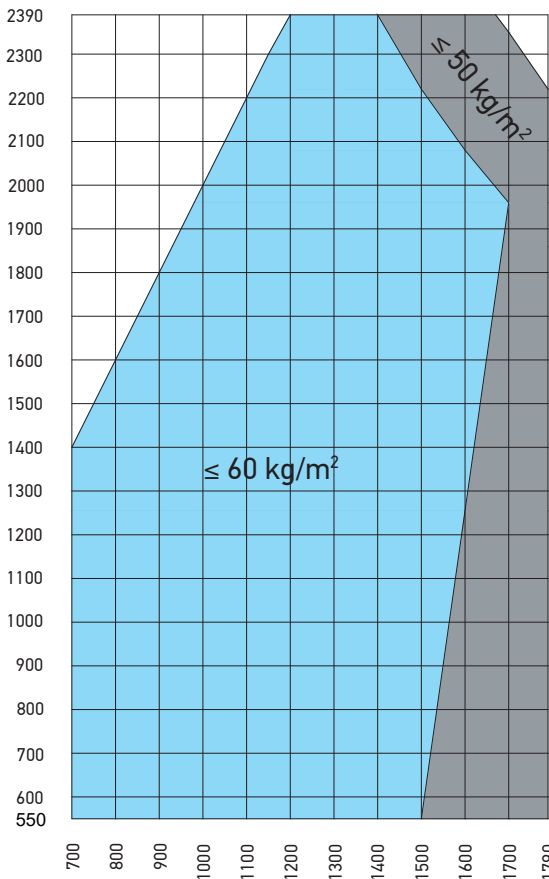
Direction of structures opening





Application range diagram

SRH

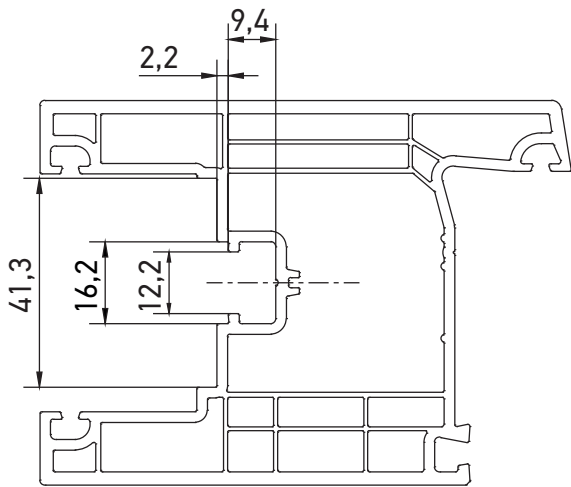
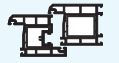


Correlation SRH:SRW = max 2:1
The maximum sash weight is up to 200 kg

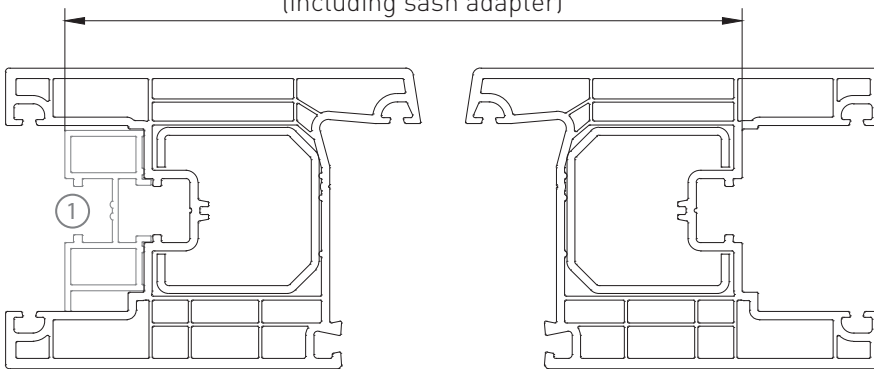
SRH - sash rebate height
 SRW - sash rebate width

SPECIFICATIONS		
The weight of the sash	200 kg	
Sash rebate width (SRW)	(700*) 800-1790 mm	Correlation SRH:SRW = max 2:1
Sash rebate height (SRH)	550-2390 mm	
Profiles	Aluplast Smart-Slide Aluplast neo WDS 76 SL REHAU Synego (Intelio) Slide Sonarol Decco Slide	

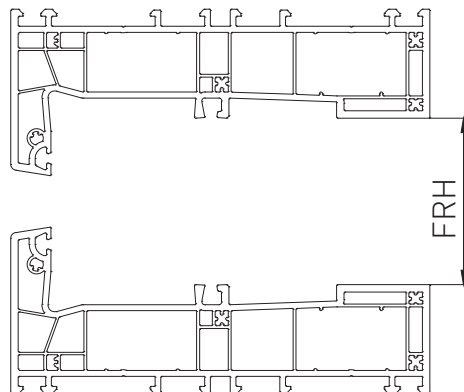
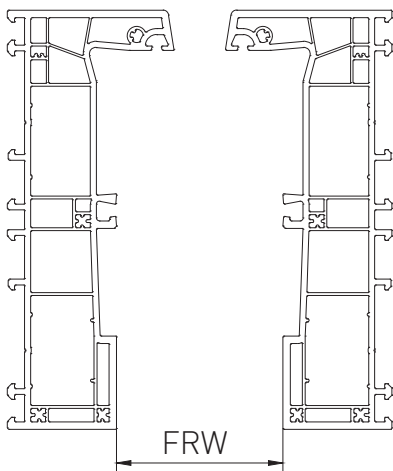
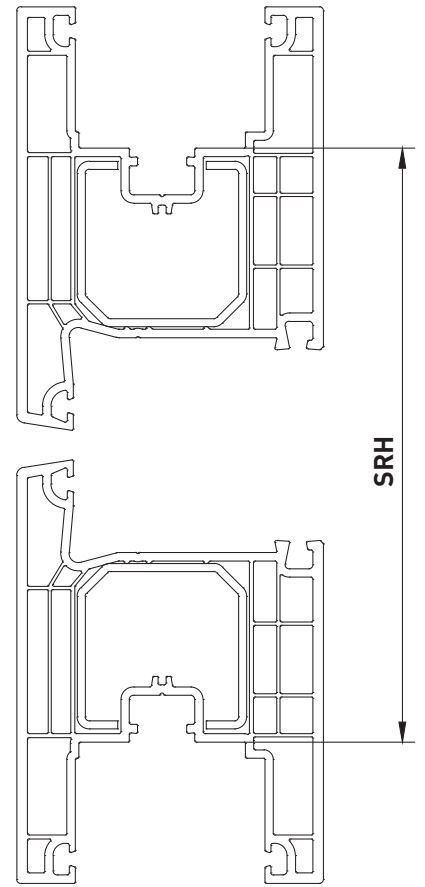
* special middle connection



SRW
(including sash adapter)



1 - sash adapter



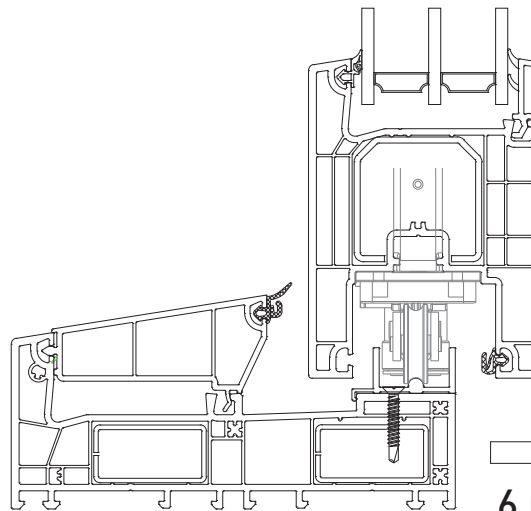
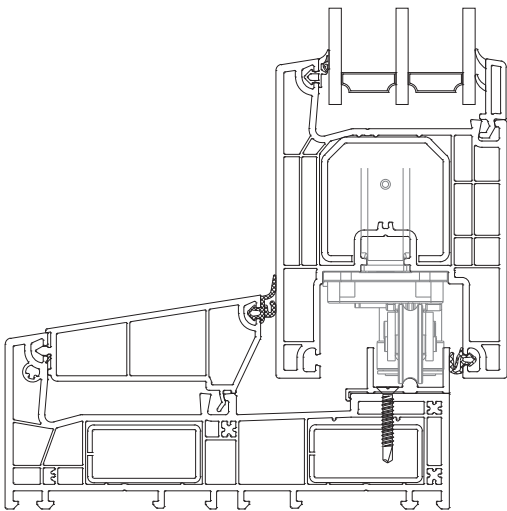
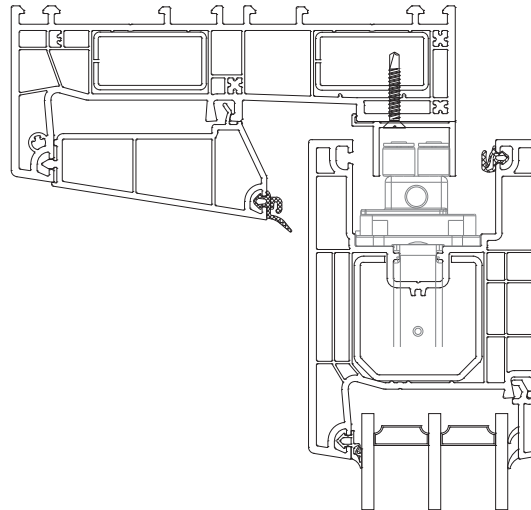
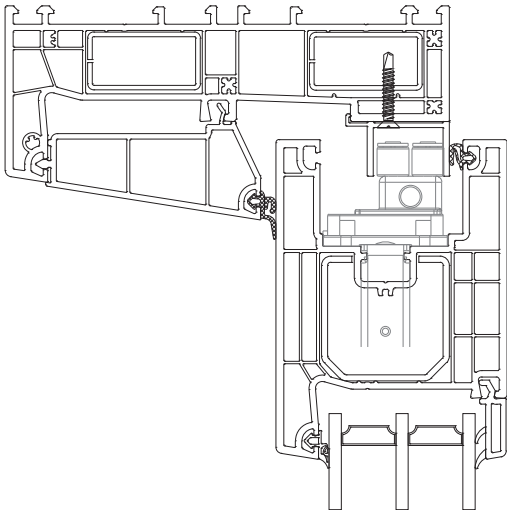
- SRH - sash rebate height
- SRW - sash rebate width
- FRH - frame rebate height
- FRW - frame rebate width



Vertical cross-section

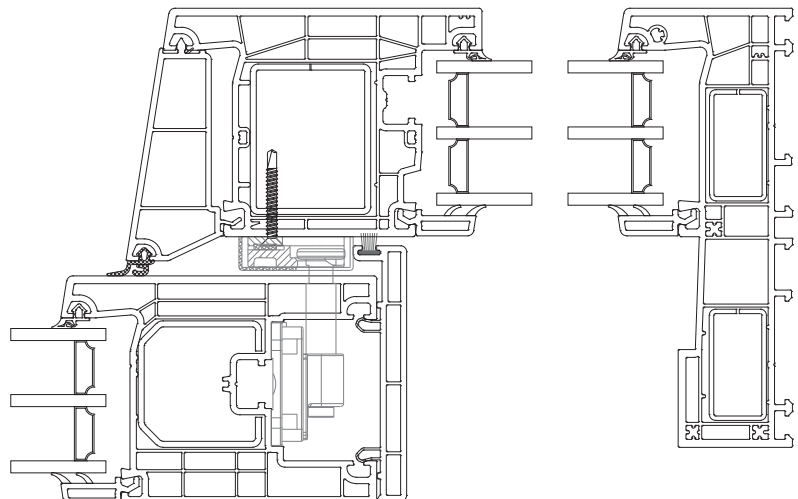
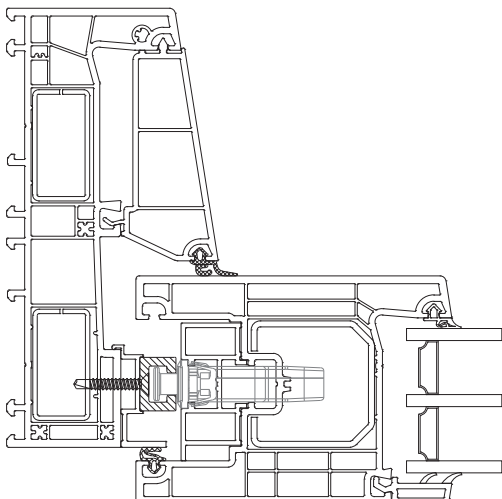
Close

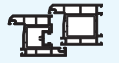
Open



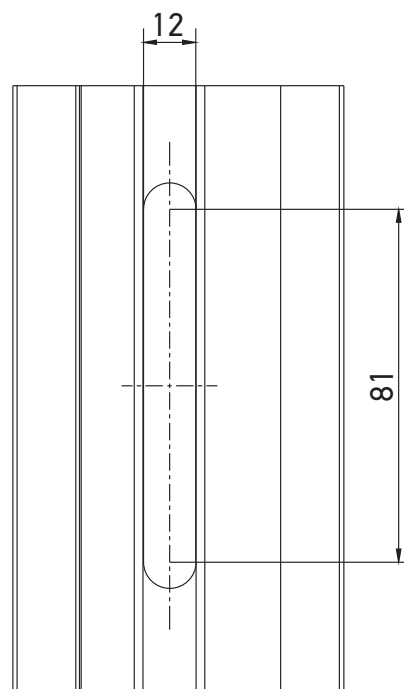
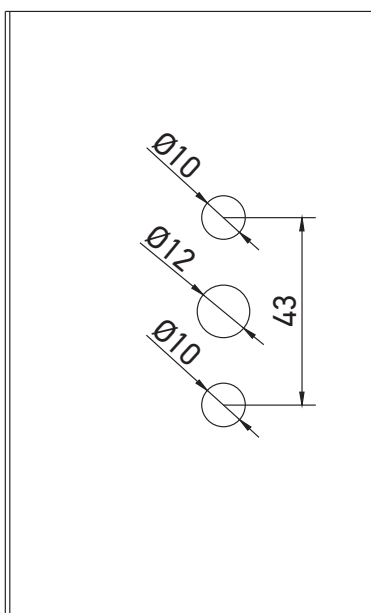
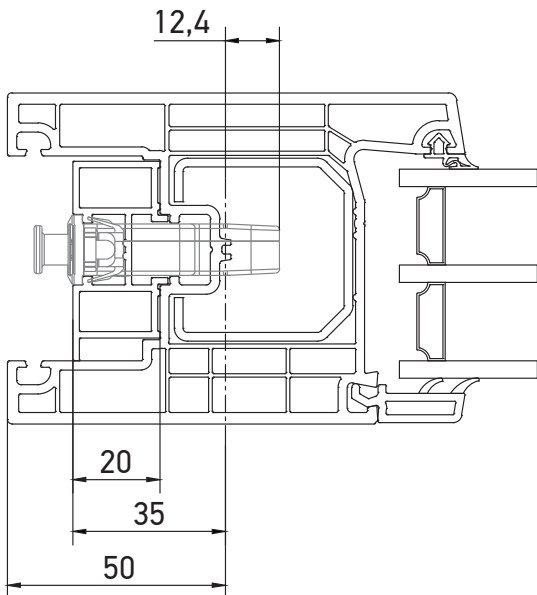
→
6 mm

Horizontal cross-section



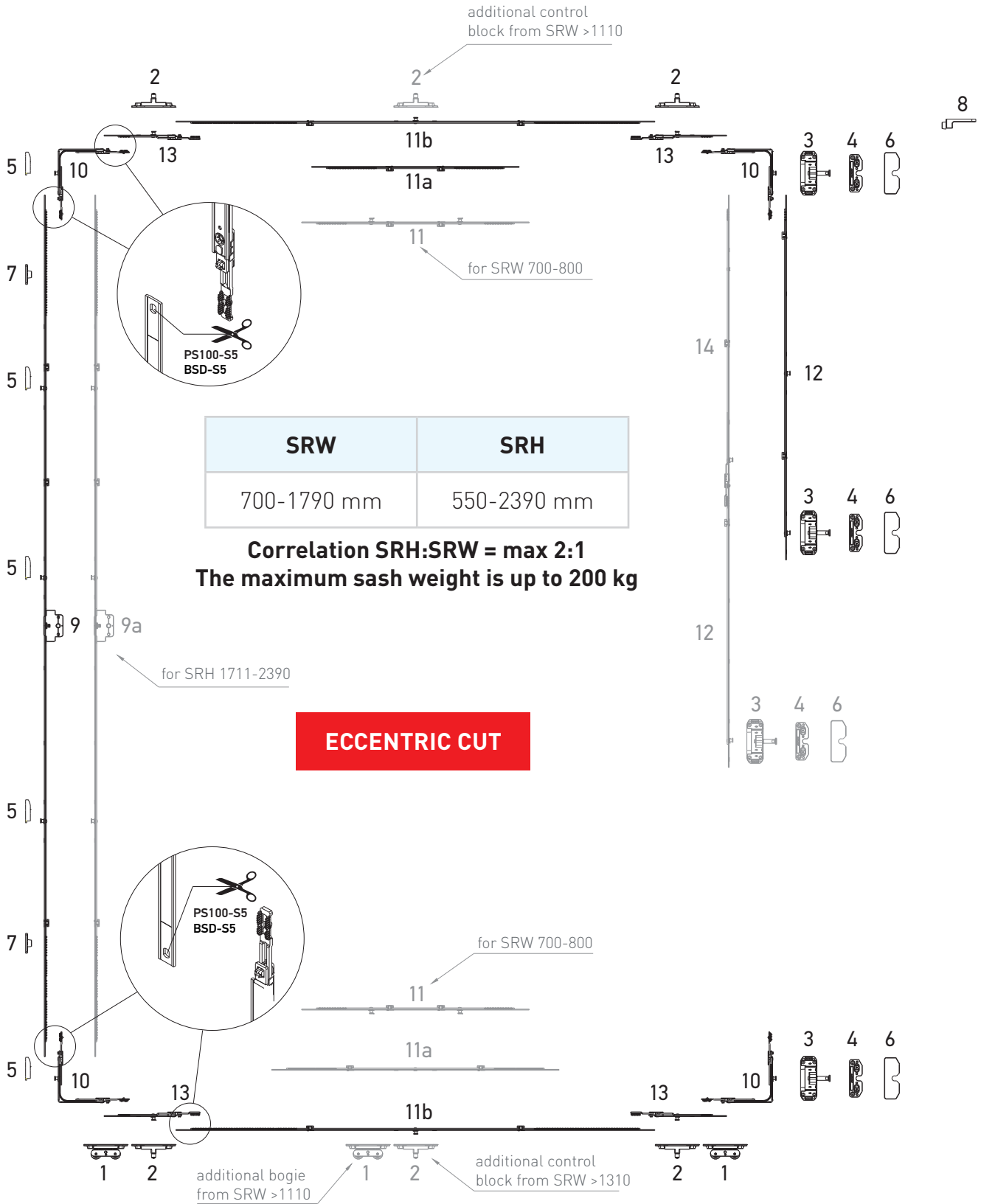


Drilling and milling a sash for 35-mm backset gear



SMART&QUICK

SMART&QUICK hardware set,
(position of the handle in the center)





SMART&QUICK hardware set, (position of the handle in the center)

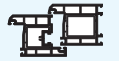
					WIDTH				
		Nº	Part number	Description	700-800	801-910	911-1110	1111-1310	1311-1790
Main set	8	I7010-00-N03	Opened position stopper		1	1	1	1	1
	10	K2025-00-N03	Corner transmission, 115x115, 1 MR		4	4	4	4	4
	2	I7007-00-L03/R03	Control block, left / right		4	4	4	5	6
	1	I7006-00-N03	Bogie		2	2	2	3	3
Horizontal extension locks	13	K4050-01-N03	Extension lock 180 mm, 1 MR		0	4	4	4	4
	11	K4069-06-N03	Middle connection for sliding system, L = 570, 700-800, 2 MR		2	0	0	0	0
	11a	K4068-03-N03	Middle connection, L = 320, without ML		0	2	0	0	0
	11a	K4068-05-N03	Middle connection, L = 520, without ML		0	0	2	0	0
	11a	K4068-07-N03	Middle connection, L = 720, without ML		0	0	0	1	0
	11b	K4033-07-N03	Middle connection, L = 720, 1 MR		0	0	0	1	0
	11b	K4033-11-N03	Middle connection, L = 1200, 1 MR		0	0	0	0	2
550-750	9	K1054-04-N03	Gear variable L=520, 551-750, backset 35 mm		1	1	1	1	1
	3	I7008-00-L03/R03	Side lock, left / right		2	2	2	2	2
	4	I7009-00-N03	Side locking plate		2	2	2	2	2
	6	I7100-00-N0*	Cover of side locking plate, sliding system		2	2	2	2	2
	5	I7012-00-N03	Locking plate, slyding system		2	2	2	2	2
	7	I7011-00-N03	Front damper		2	2	2	2	2
	751-1200	9	K1054-09-N03	Gear variable L=1000, 751-1230, 1 MR, backset 35 mm		1	1	1	1
3		I7008-00-L03/R03	Side lock, left / right		2	2	2	2	2
4		I7009-00-N03	Side locking plate		2	2	2	2	2
6		I7100-00-N0*	Cover of side locking plate, sliding system		2	2	2	2	2
5		I7012-00-N03	Locking plate, slyding system		3	3	3	3	3
7		I7011-00-N03	Front damper		2	2	2	2	2
1201-1430		9	K1054-11-N03	Gear variable L=1200, 950-1430, 1 MR, backset 35 mm		1	1	1	1
	3	I7008-00-L03/R03	Side lock, left / right		3	3	3	3	3
	4	I7009-00-N03	Side locking plate		3	3	3	3	3
	6	I7100-00-N0*	Cover of side locking plate, sliding system		3	3	3	3	3
	5	I7012-00-N03	Locking plate, slyding system		3	3	3	3	3
	7	I7011-00-N03	Front damper		2	2	2	2	2
	12	K4054-05-N03	Extension lock 480 mm, 1 MR		1	1	1	1	1
1431-1710	9	K1054-14-N03	Gear variable L=1480, 1231-1710, 2 MR, backset 35 mm		1	1	1	1	1
	3	I7008-00-L03/R03	Side lock, left / right		3	3	3	3	3
	4	I7009-00-N03	Side locking plate		3	3	3	3	3
	6	I7100-00-N0*	Cover of side locking plate, sliding system		3	3	3	3	3
	5	I7012-00-N03	Locking plate, slyding system		4	4	4	4	4
	7	I7011-00-N03	Front damper		2	2	2	2	2
	12	K4054-07-N03	Extension lock L=680, 1 MR		1	1	1	1	1



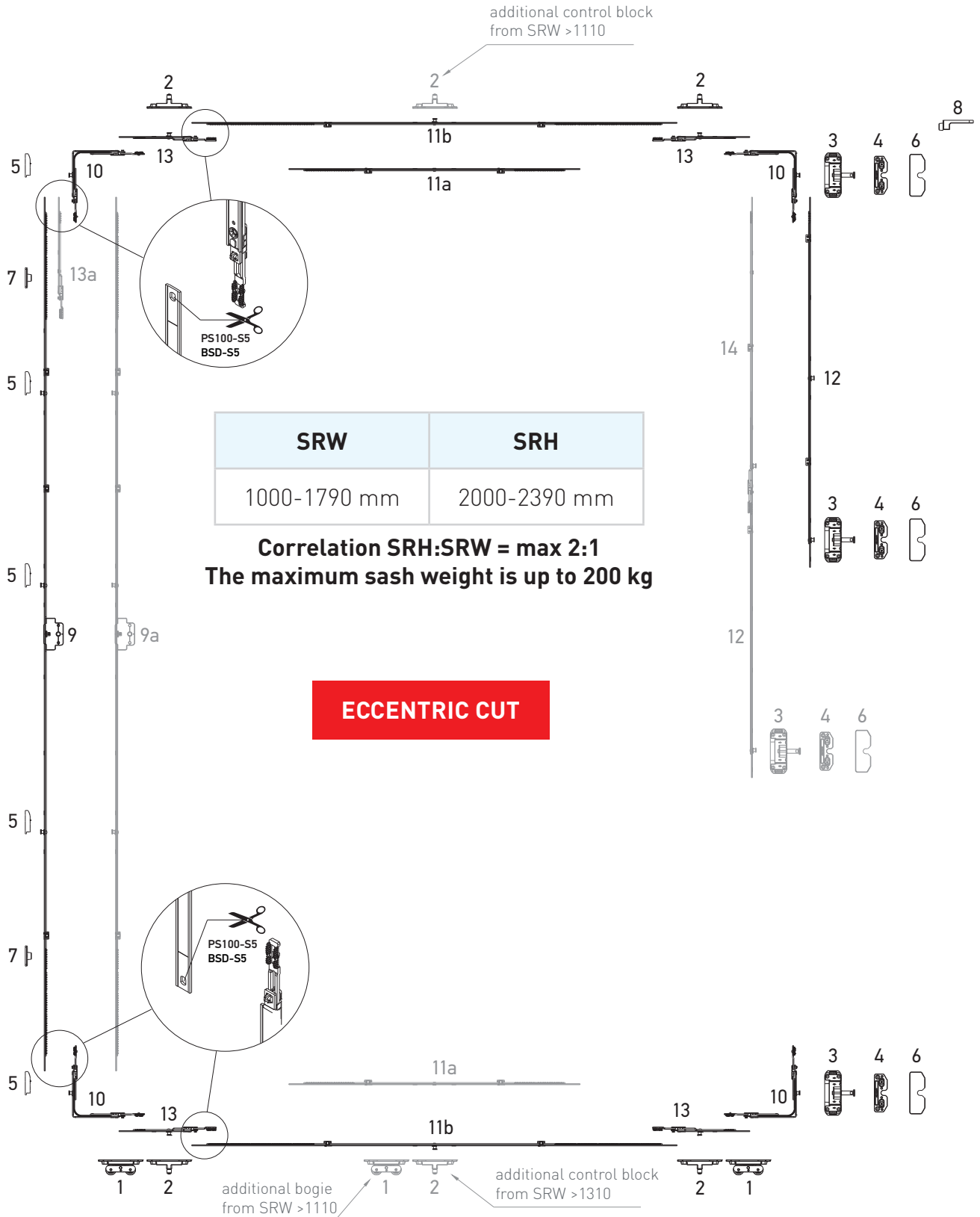
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		Nº	Part number	Description	700-800	801-910	911-1110	1111-1310	1311-1790
HEIGHT	1711-1910	9	K1054-16-N03	Gear variable L=1680, 1431-1910, 2 MR, backset 35 mm	1	1	1	1	1
		9a	K1094-16-N03	Gear variable L=1680, 1431-1910, 2 MR, backset 35 mm, 2-side handle	1	1	1	1	1
		3	I7008-00-L03/R03	Side lock, left / right	3	3	3	3	3
		4	I7009-00-N03	Side locking plate	3	3	3	3	3
		6	I7100-00-N0*	Cover of side locking plate, sliding system	3	3	3	3	3
		5	I7012-00-N03	Locking plate, sliding system	4	4	4	4	4
		7	I7011-00-N03	Front damper	2	2	2	2	2
		12	K4054-09-N03	Extension lock L=880, 2 MR	1	1	1	1	1
	1911-2110	9	K1054-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm	1	1	1	1	1
		9a	K1094-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm, 2-side handle	1	1	1	1	1
		3	I7008-00-L03/R03	Side lock, left / right	3	3	3	3	3
		4	I7009-00-N03	Side locking plate	3	3	3	3	3
		6	I7100-00-N0*	Cover of side locking plate, sliding system	3	3	3	3	3
		5	I7012-00-N03	Locking plate, sliding system	5	5	5	5	5
		7	I7011-00-N03	Front damper	2	2	2	2	2
		12	K4054-09-N03	Extension lock L=880, 2 MR	1	1	1	1	1
	2111-2390	9	K1054-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm	1	1	1	1	1
		9a	K1094-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm, 2-side handle	1	1	1	1	1
		3	I7008-00-L03/R03	Side lock, left / right	4	4	4	4	4
		4	I7009-00-N03	Side locking plate	4	4	4	4	4
		6	I7100-00-N0*	Cover of side locking plate, sliding system	4	4	4	4	4
		5	I7012-00-N03	Locking plate, sliding system	5	5	5	5	5
		7	I7011-00-N03	Front damper	2	2	2	2	2
		12	K4054-07-N03	Extension lock L=880, 2 MR	1	1	1	1	1
		14	K4071-07-N03	Extension lock L=720, 1 MR, without possibility to cut	1	1	1	1	1

* color: N01 - white RAL9016
 N02 - brown RAL8022
 N03 - silver
 N05 - golden
 N06 - bronze
 N07 - black RAL9005
 N09 - anthracite gray RAL7016

SMART&QUICK



**SMART&QUICK hardware set
(handle position G=1000)**



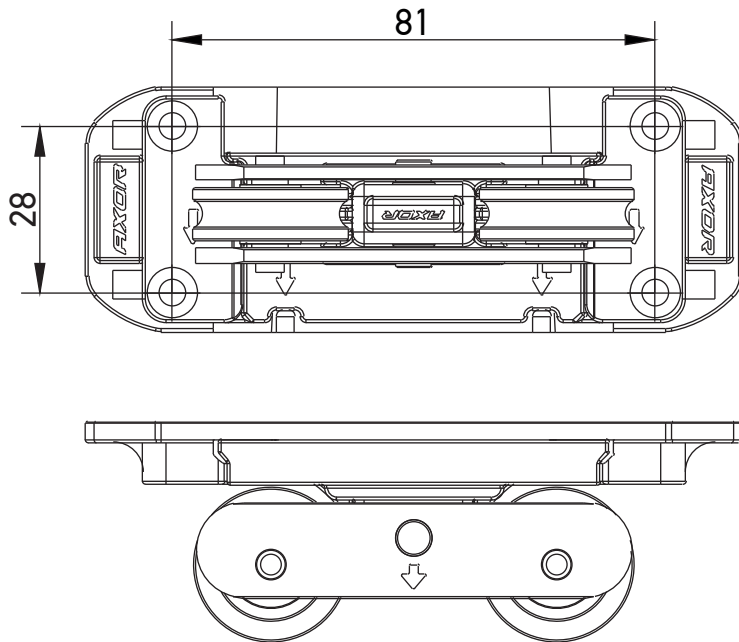


SMART&QUICK hardware set (handle position G=1000)

	N°	Part number	Description	WIDTH		
				1000-1110	1111-1310	1311-1790
Main set	8	I7010-00-N03	Opened position stopper	1	1	1
	10	K2025-00-N03	Corner transmission, 115x115, 1 MR	4	4	4
	2	I7007-00-L03/R03	Control block, left / right	4	5	6
	1	I7006-00-N03	Bogie	2	3	3
Horizontal extension locks	13	K4050-01-N03	Extension lock 180 mm, 1 MR	4	4	4
	11a	K4068-05-N03	Middle connection, L = 520, without ML	2	0	0
	11a	K4068-07-N03	Middle connection, L = 720, without ML	0	1	0
	11b	K4033-07-N03	Middle connection, L = 720, 1 MR	0	1	0
	11b	K4033-11-N03	Middle connection, L = 1200, 1 MR	0	0	2
2000-2195	9	K1054-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm	1	1	1
	9a	K1094-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm, 2-side handle	1	1	1
	3	I7008-00-L03/R03	Side lock, left / right	3	3	3
	4	I7009-00-N03	Side locking plate	3	3	3
	6	I7100-00-N0*	Cover of side locking plate, sliding system	3	3	3
	5	I7012-00-N03	Locking plate, slyding system	5	5	5
	7	I7011-00-N03	Front damper	2	2	2
	12	K4054-09-N03	Extension lock L=880, 2 MR	1	1	1
2196-2390	9	K1054-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm	1	1	1
	9a	K1094-21-N03	Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm, 2-side handle	1	1	1
	3	I7008-00-L03/R03	Side lock, left / right	4	4	4
	4	I7009-00-N03	Side locking plate	4	4	4
	6	I7100-00-N0*	Cover of side locking plate, sliding system	4	4	4
	5	I7012-00-N03	Locking plate, slyding system	5	5	5
	7	I7011-00-N03	Front damper	2	2	2
	12	K4054-07-N03	Extension lock L=880, 2 MR	1	1	1
	13a	K4057-02-N03	Extension lock L=240, without ML	1	1	1
	14	K4071-07-N03	Extension lock L=720, 1 MR, without possibility to cut	1	1	1

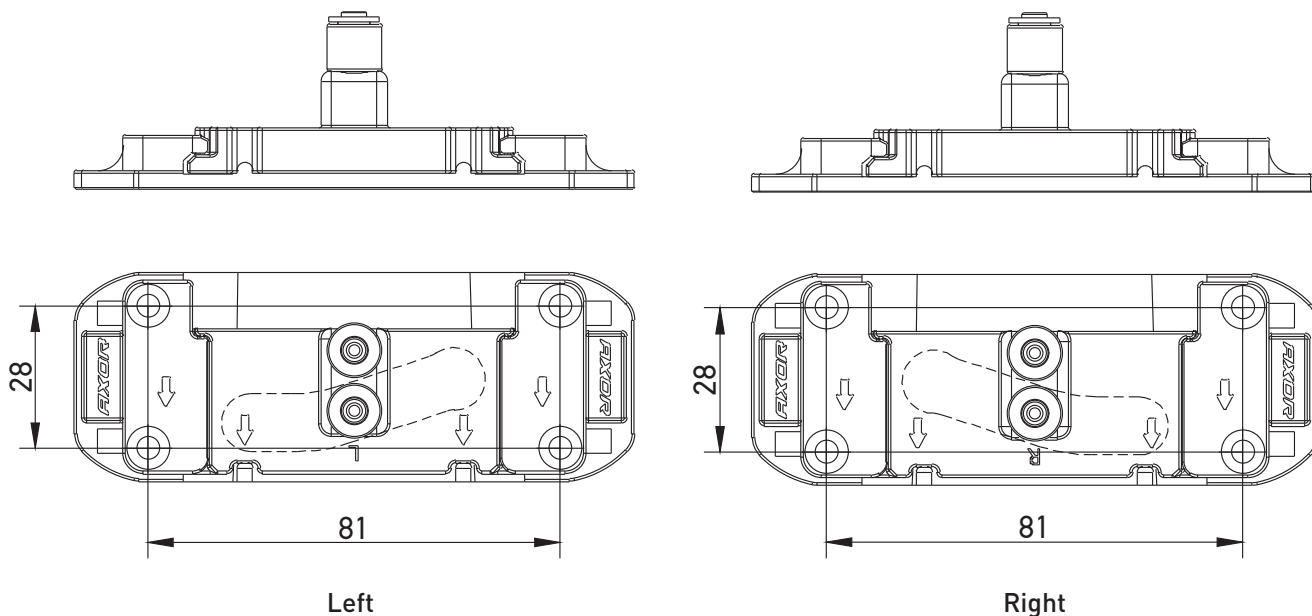
* color: N01 - white RAL9016
 N02 - brown RAL8022
 N03 - silver
 N05 - golden
 N06 - bronze
 N07 - black RAL9005
 N09 - anthracite gray RAL7016

Bogie



Description	Side opening	Screw	Part number	Jig number
Bogie	L/R	4 / 4x22	17006-00-N03	17201-00-N03

Control block

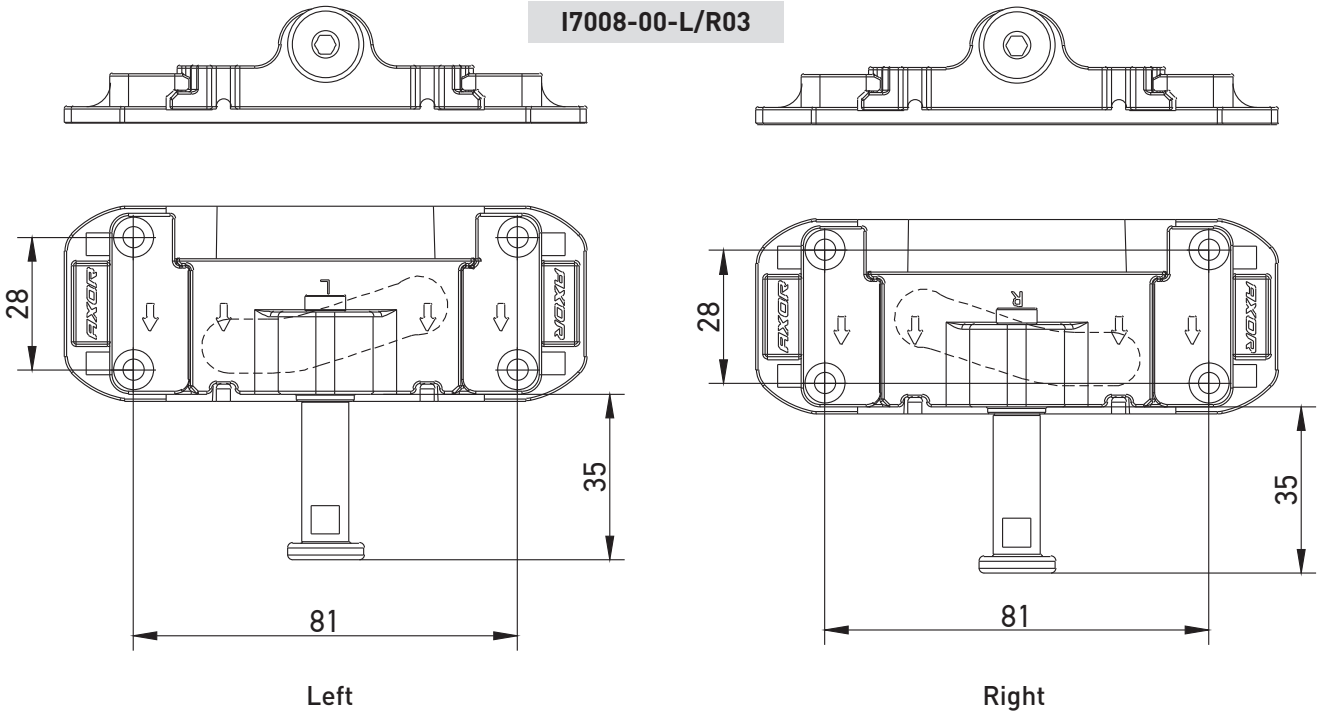


Description	Side opening	Screw	Part number	Jig number
Control block, left	L	4 / 4x22	I7007-00-L03	I7201-00-N03
Control block, right	R	4 / 4x22	I7007-00-R03	I7201-00-N03

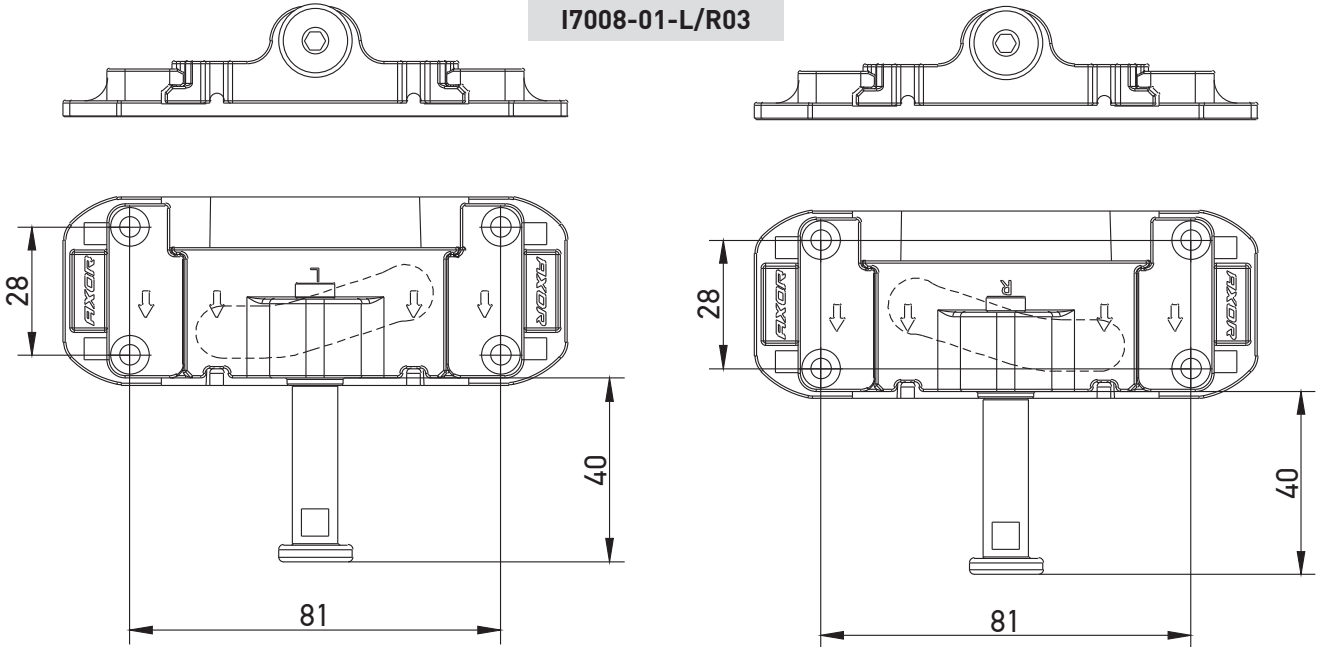


Side lock

I7008-00-L/R03

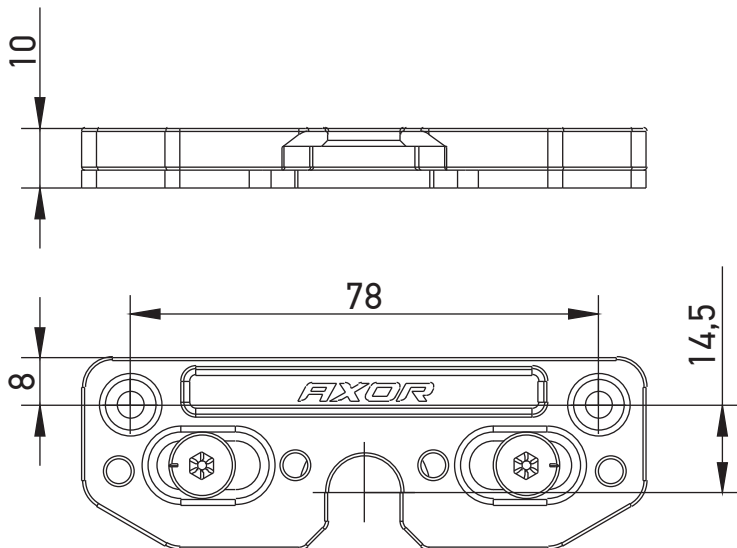


I7008-01-L/R03



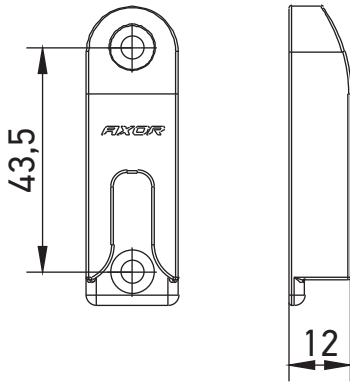
Description	Side opening	Screw	Part number	Jig number
Side lock, left	L	4 / 4x22	I7008-00-L03	I7200-00-N03
Side lock, right	R	4 / 4x22	I7008-00-R03	I7200-00-N03
Side lock, left	L	4 / 4x22	I7008-01-L03	I7200-00-N03
Side lock, right	R	4 / 4x22	I7008-01-R03	I7200-00-N03

Side locking plate



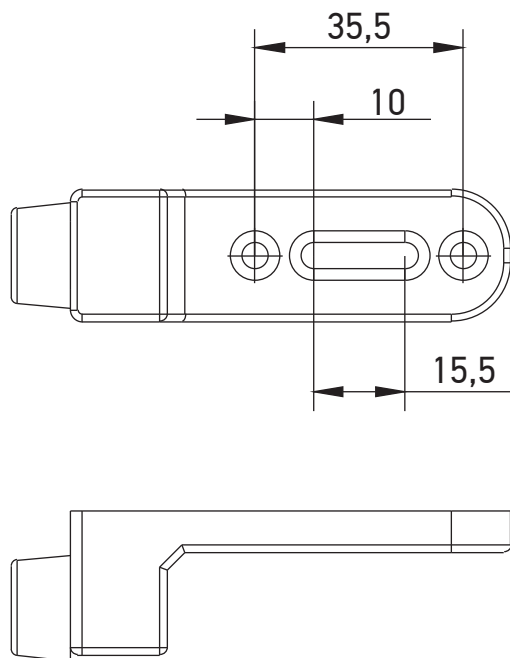
Description	Side opening	Screw	Part number	Jig number
Side locking plate	L/R	2 / 3,9x38	17009-00-N03	17202-00-N03

Locking plate, slyding system



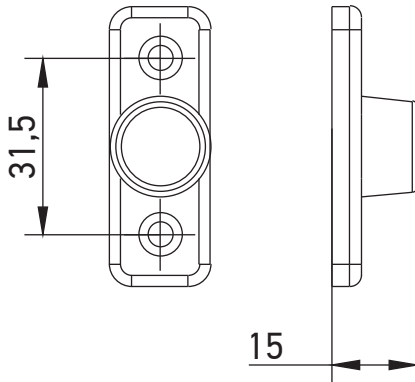
Description	Side opening	Screw	Part number	Jig number
Locking plate, slyding system	L/R	2 / 4x22	I7012-00-N03	I7203-00-N03

Opened position stopper



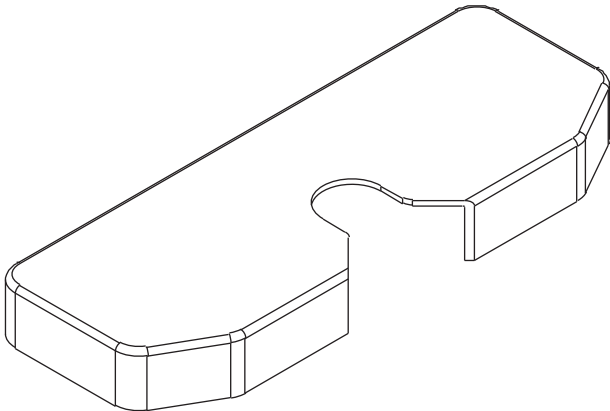
Description	Side opening	Screw	Part number	Jig number
Opened position stopper	L/R	3 / 4x22	17010-00-N03	-

Front damper

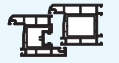


Description	Side opening	Screw	Part number	Jig number
Front damper	L/R	2 / 4x22	I7011-00-N03	-

Cover of side locking plate, sliding system

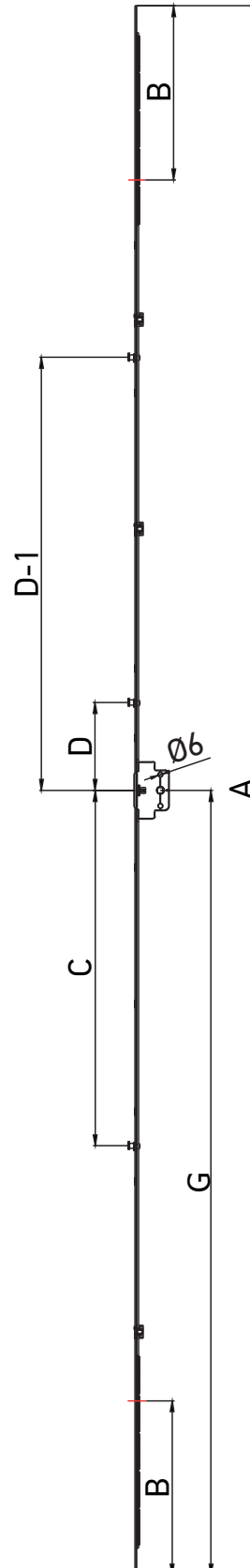
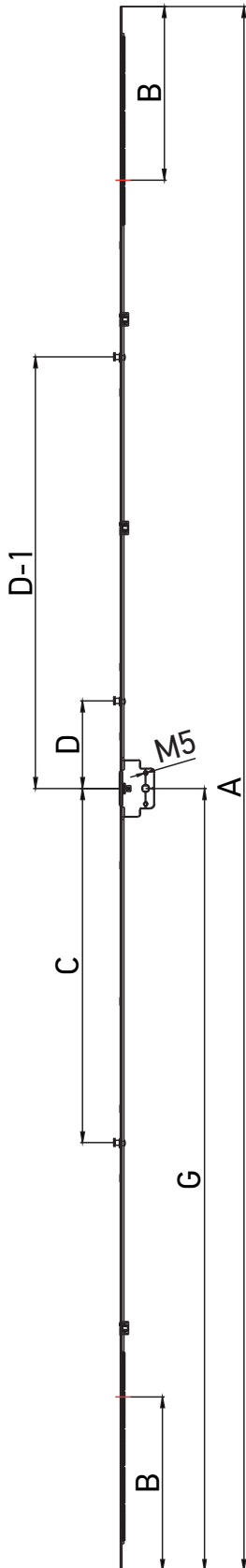


Description	Side opening	Part number
Cover of side locking plate, sliding system, RAL9016 white	L/R	I7100-00-N01
Cover of side locking plate, sliding system, RAL8022 brown	L/R	I7100-00-N02
Cover of side locking plate, sliding system, silver	L/R	I7100-00-N03
Cover of side locking plate, sliding system, golden	L/R	I7100-00-N05
Cover of side locking plate, sliding system, bronze	L/R	I7100-00-N06
Cover of side locking plate, sliding system, RAL9005 black	L/R	I7100-00-N07
Cover of side locking plate, sliding system, RAL7016 anthracite gray	L/R	I7100-00-N09




Gear variable, backset 35 mm


Gear variable, backset 35 mm,
2-side handle



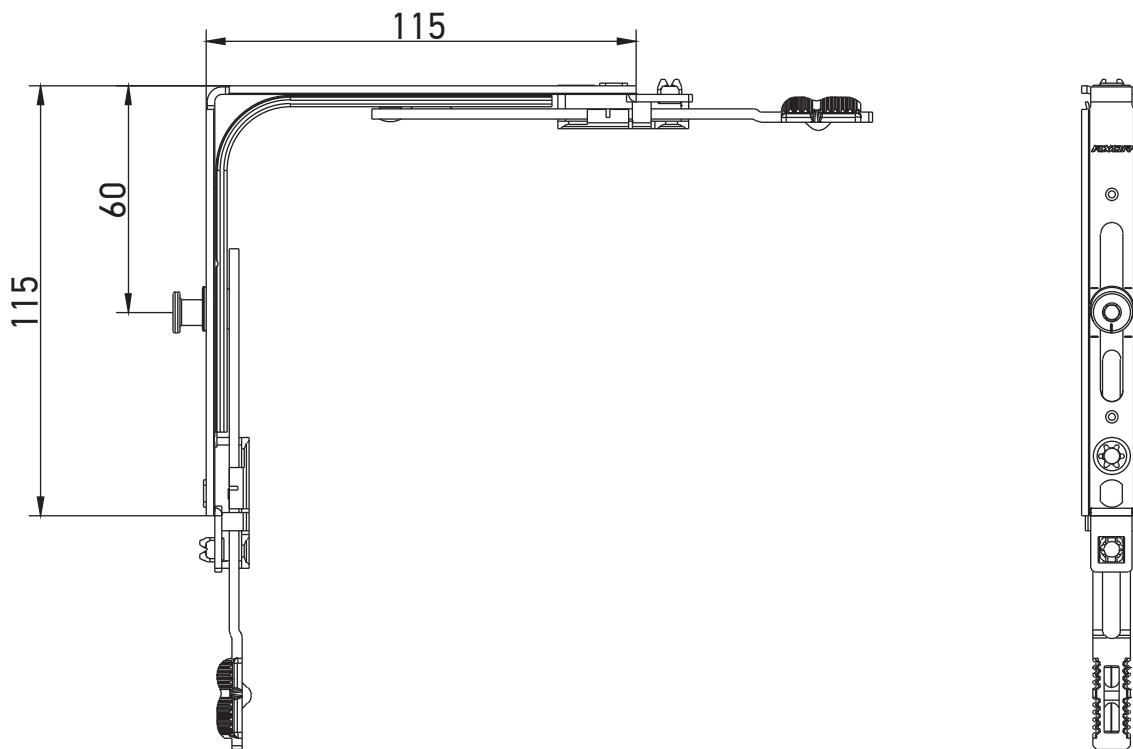

Gear variable, backset 35 mm

Description	SRH		A	B	C	D	D-1	G	Part number
Gear variable L=520, 551-750, backset 35 mm	550-750	2	520	100	-	-	-	275-375	K1054-04-N03
Gear variable L=1000, 751-1230, 1 MR, backset 35 mm	751-1200	4	1000	240	-	121	-	375-600	K1054-09-N03
Gear variable L=1200, 950-1430, 1 MR, backset 35 mm	1201-1430	5	1200	240	-	121	-	600-715	K1054-11-N03
Gear variable L=1480, 1231-1710, 2 MR, backset 35 mm	1431-1710	6	1480	240	289	121	-	715-855	K1054-14-N03
Gear variable L=1680, 1431-1910, 2 MR, backset 35 mm	1711-1910	7	1680	240	389	266	-	855-955	K1054-16-N03
Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm	1911-2390	11	2160	240	489	121	596	955-1195	K1054-21-N03

Gear variable, backset 35 mm, 2-side handle

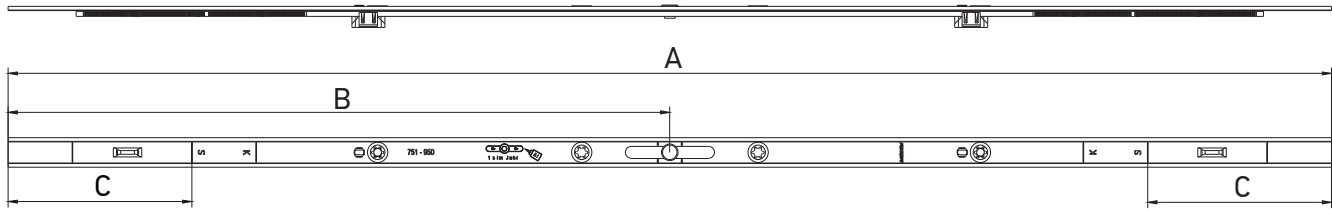
Description	SRH		A	B	C	D	D-1	G	Part number
Gear variable L=1680, 1431-1910, 2 MR, backset 35 mm, 2-side handle	1711-1910	7	1680	240	389	266	-	855-955	K1094-16-N03
Gear variable L=2160, 1911-2390, 3 MR, backset 35 mm, 2-side handle	1911-2390	11	2160	240	489	121	596	955-1195	K1094-21-N03

Corner transmission

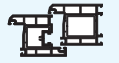


Description	SRH	SRW	Screw	Part number
Corner transmission, 1 ML, 115x115	550-2390	700-1790	4	K2025-00-N03

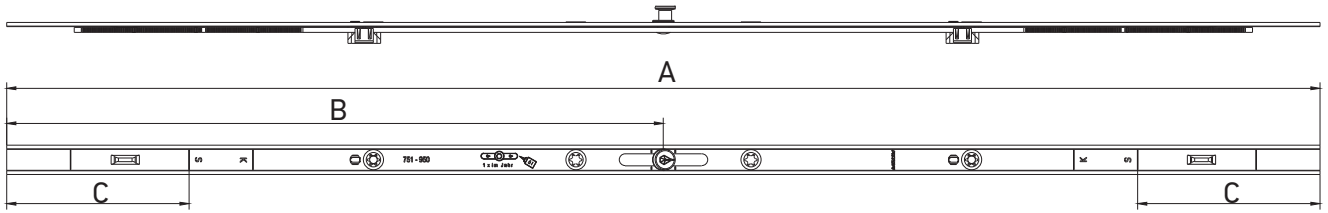
Middle connection



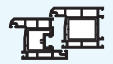
Description	SRW	Screw	A	B	C	Part number
Middle connection, L = 320, 440-550, without ML	801-910	1	320	160	55	K4068-03-N03
Middle connection, L = 520, 551-750, without ML	911-1110	2	520	260	100	K4068-05-N03
Middle connection, L = 720, 751-950, without ML	1111-1310	4	720	360	100	K4068-07-N03
Middle connection, L = 1200, 951-1430, without ML	1311-1790	4	1200	600	240	K4068-11-N03



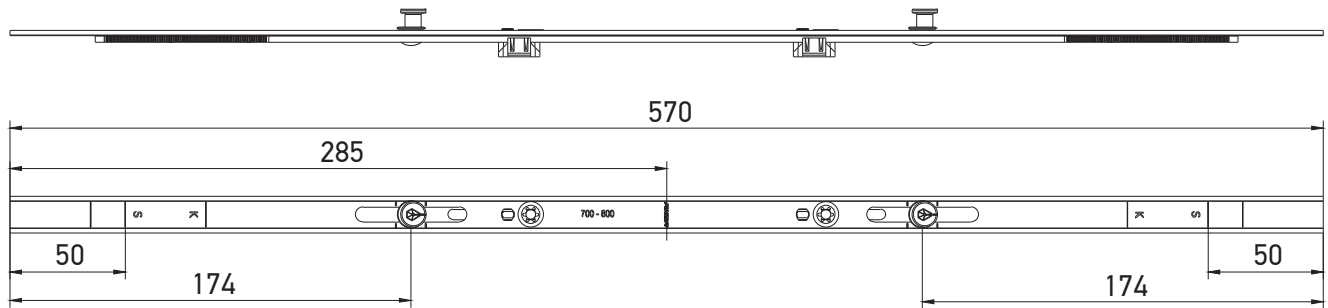
Middle connection



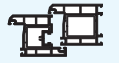
Description	SRW	Screw	A	B	C	Part number
Middle connection, L=720, 751-950, 1 MR	1111-1310	4	720	360	100	K4033-07-N03
Middle connection, L=1200, 951-1430, 1 MR	1311-1790	4	1200	600	240	K4033-11-N03



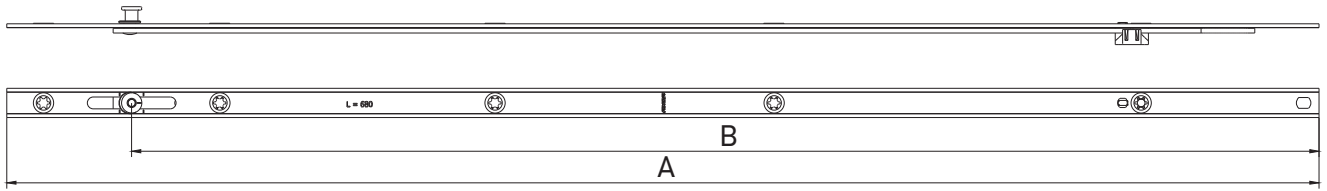
Middle connection



Description	SRW	Screw	Part number
Middle connection for sliding system, L = 570, 700-800, 2 MR	700-800	2	K4069-06-N03



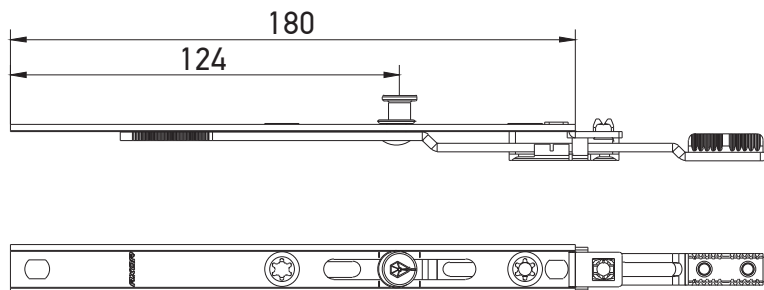
Extension lock



Description	SRW	Screw	A	B	Part number
Extension lock, L=480, 1 MR	1201-1430	4	515	447	K4054-05-N03
Extension lock, L=680, 1 MR	1431-1710	5	715	647	K4054-07-N03
Extension lock, L=880, 2 MR	1431-1710	7	915	847	K4054-09-N03



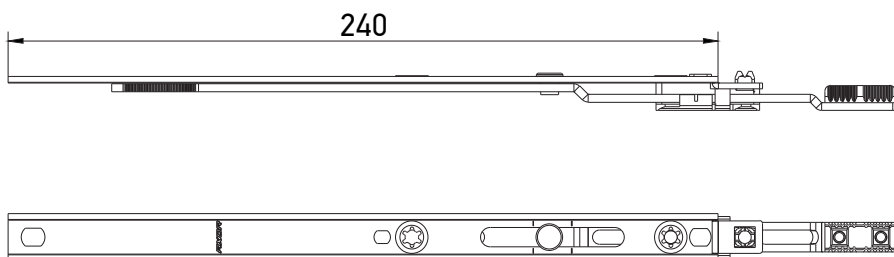
Extension lock



Description	SRW	Screw	Part number
Extension lock, 180 mm, 1 MR	801-1790	3	K4050-01-N03



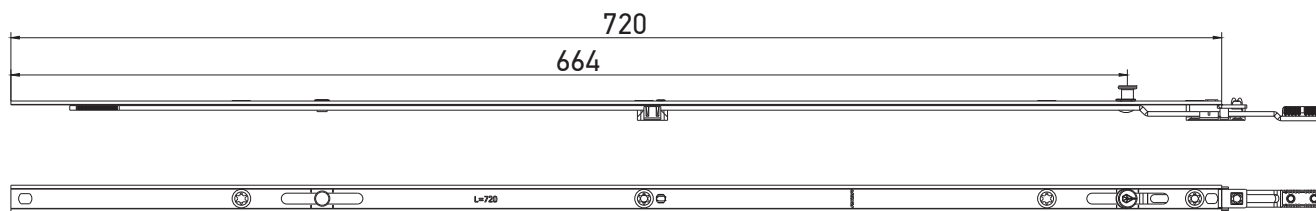
Extension lock



Description	SRW	Screw	Part number
Extension lock, 240 mm, without ML	2195-2390	3	K4057-02-N03



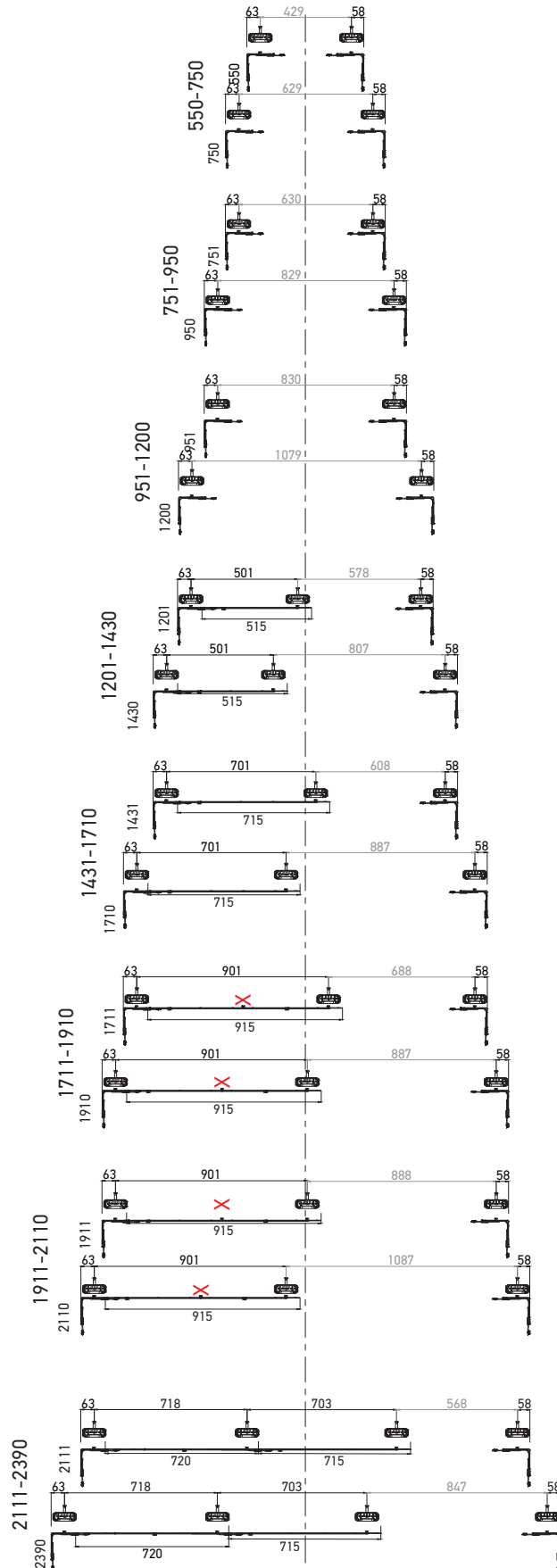
Extension lock



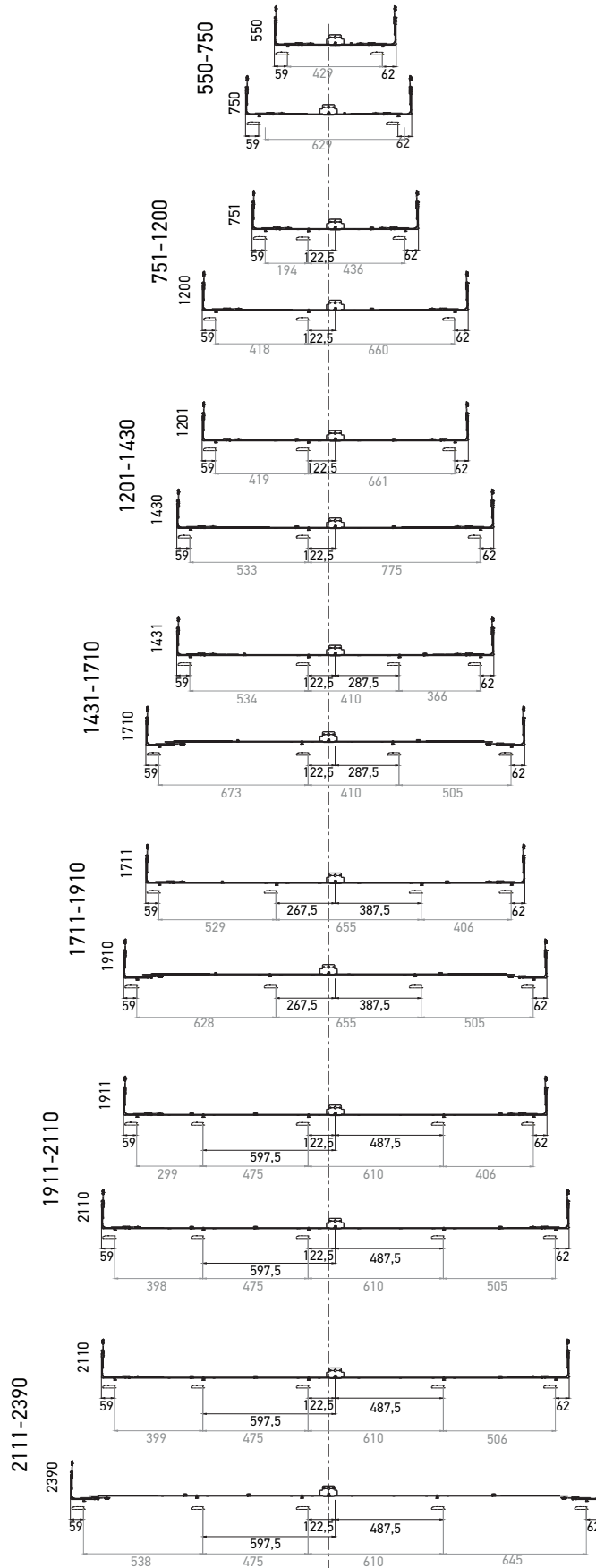
Description	SRW	Screw	Part number
Extension lock, 720 mm, 1 MR, without possibility to cut	2111-2390	5	K4071-07-N03



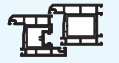
Assembly diagram (side lock) - mullion



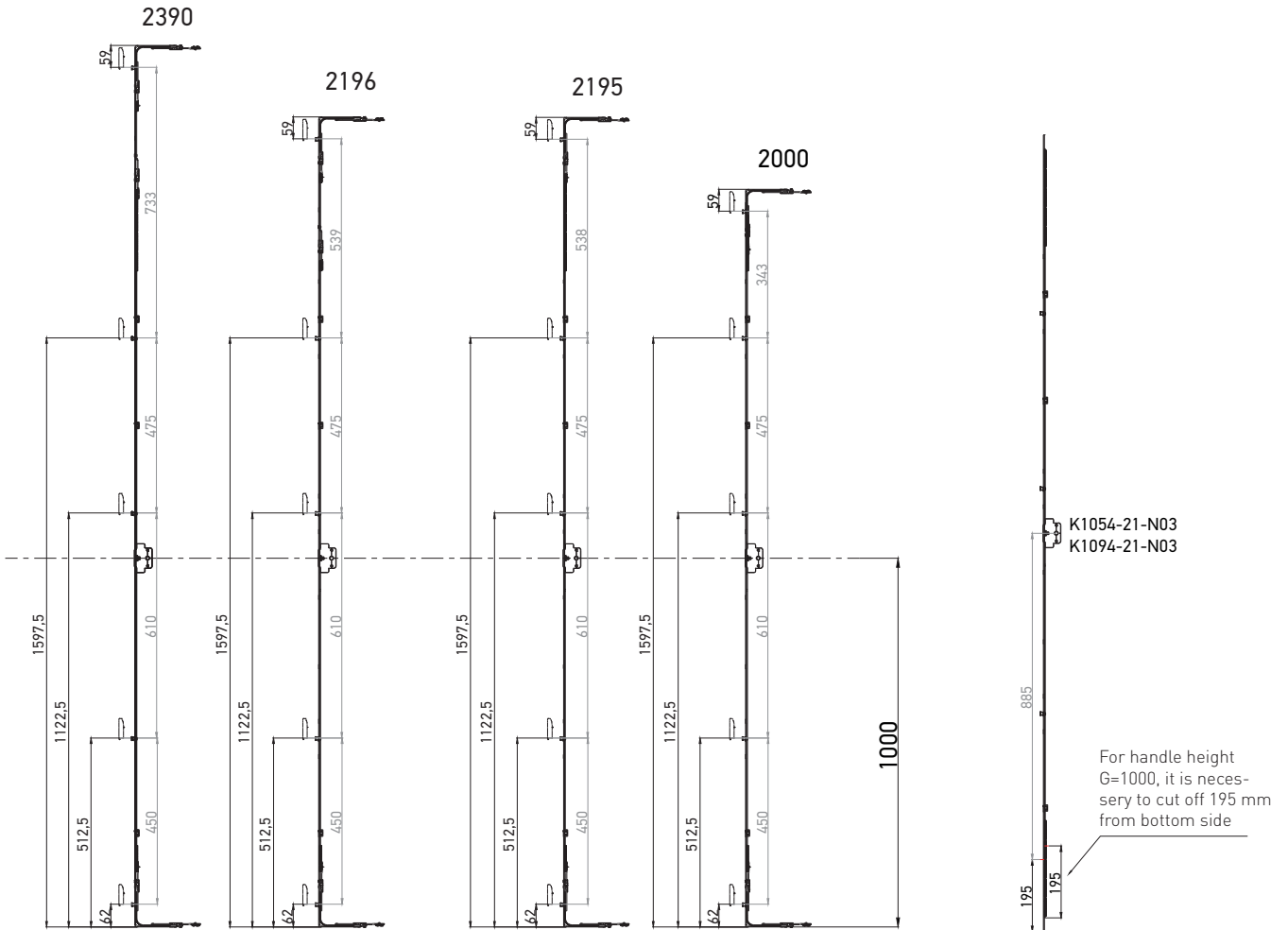
Assembly diagram (locking plates) - handle side
(position of the handle in the center)



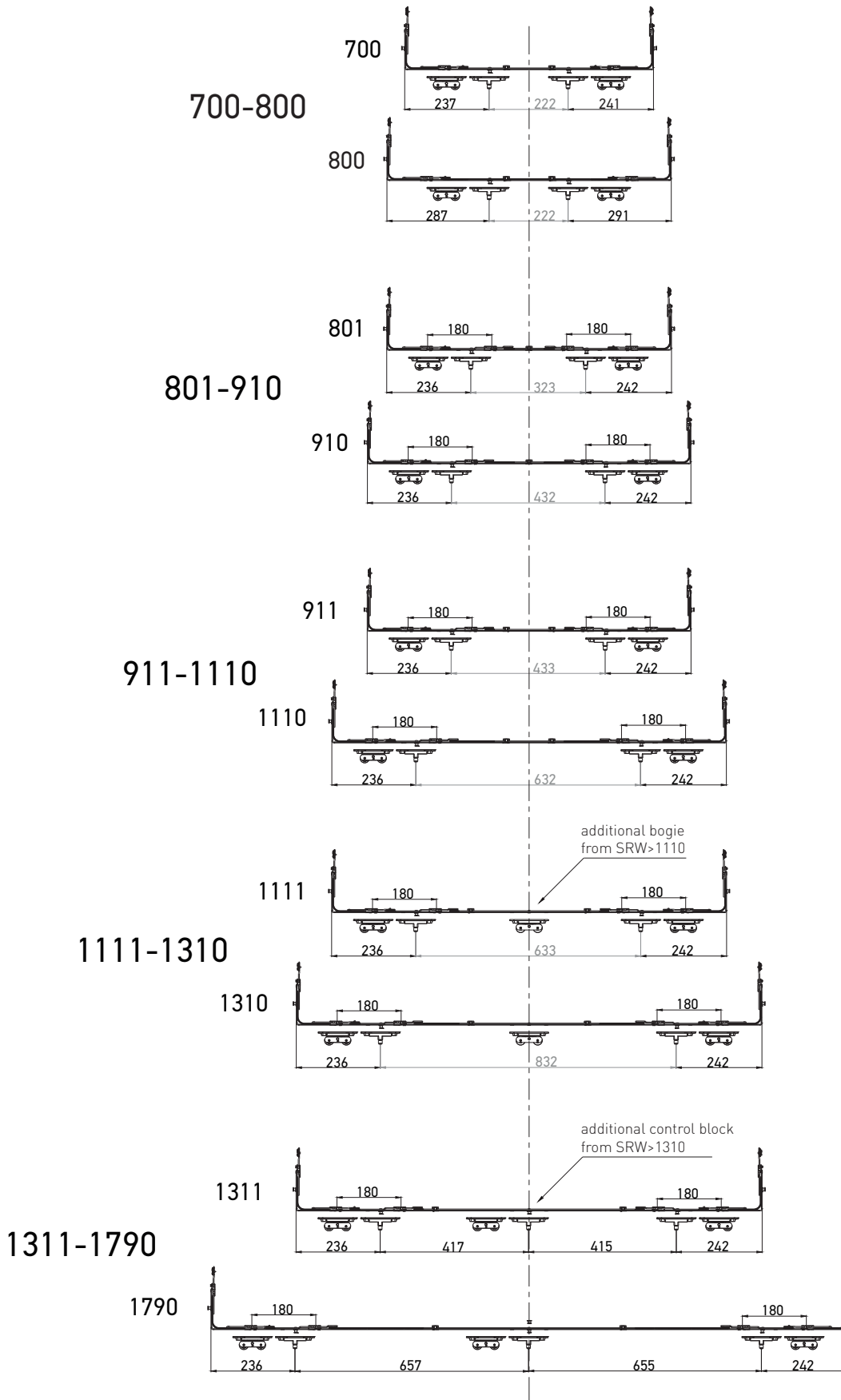
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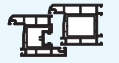


**Assembly diagram (locking plates) - handle side
(handle position G = 1000)**

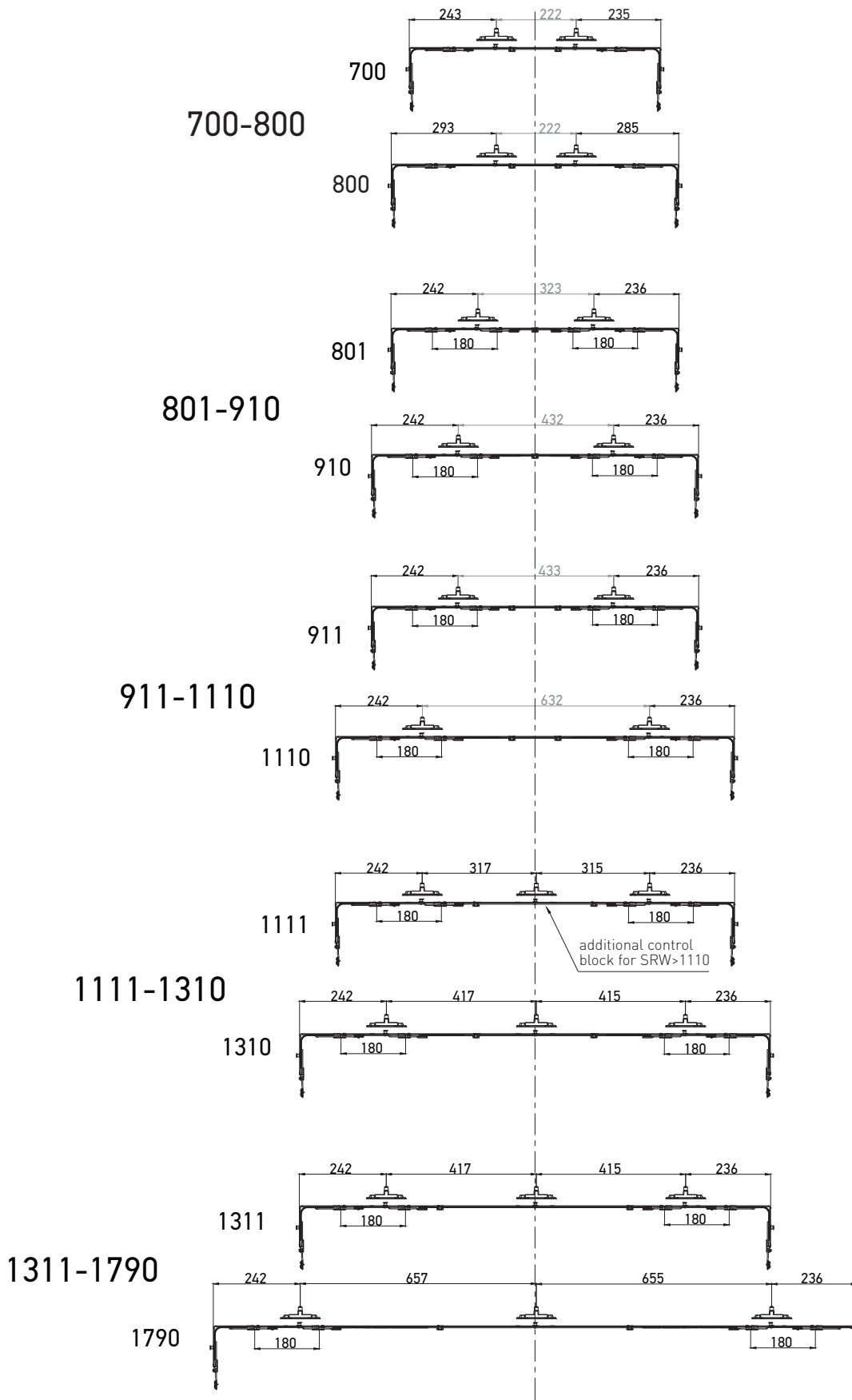


Assembly diagram (bogie, control block) - bottom





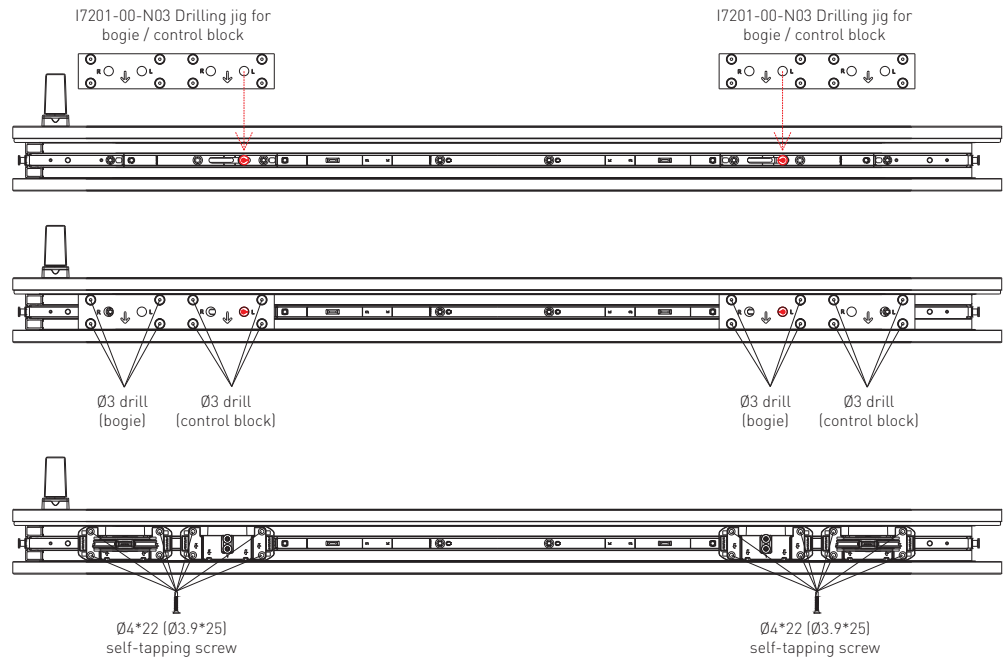
Assembly diagram (control block) - top





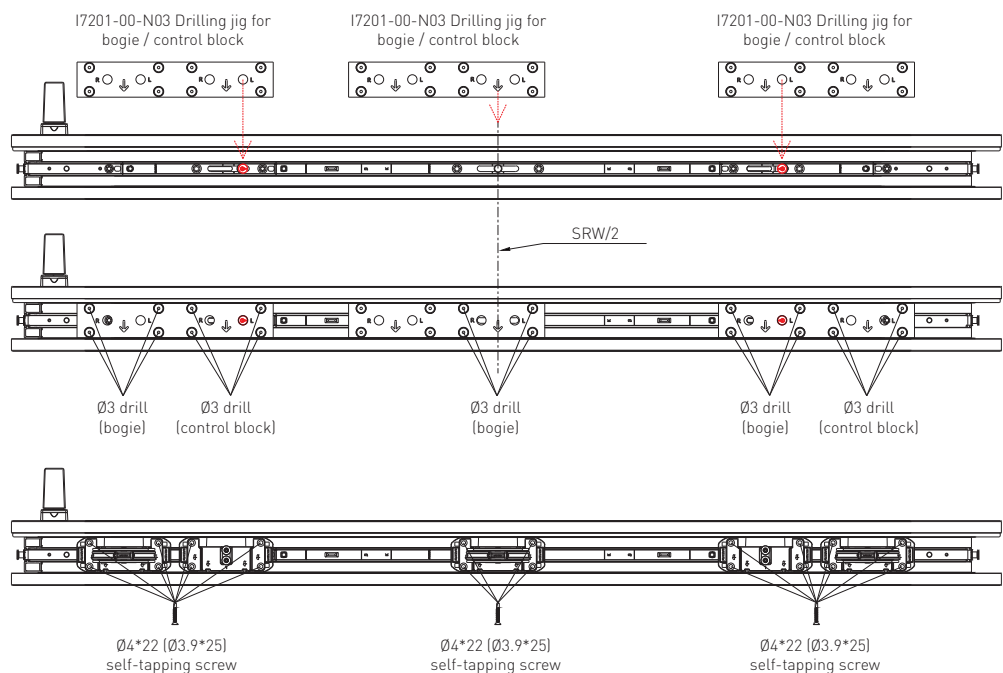
**Installation of the bogie and the control block using a drilling jig.
Left opening. Bottom.**

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: handle side bogie is from the left side, mullion side bogie is from the right side. Drilling jig has to be used accordingly (see marking L).
3. Drill hole $\varnothing 3$ for bogie and control block.
4. Fix with screws $\varnothing 4 \times 22$ (alternatively $\varnothing 3,9 \times 25$).



Additional bogie from SRW > 1110

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: handle side bogie is from the left side, mullion side bogie is from the right side. Drilling jig has to be used accordingly (see marking L). Additional bogie has to be placed in the middle of sash (SRW).
3. Drill hole $\varnothing 3$ for bogie and control block. For additional bogie has to be drilled just for bogie.
4. Fix with screws $\varnothing 4 \times 22$ (alternatively $\varnothing 3,9 \times 25$).

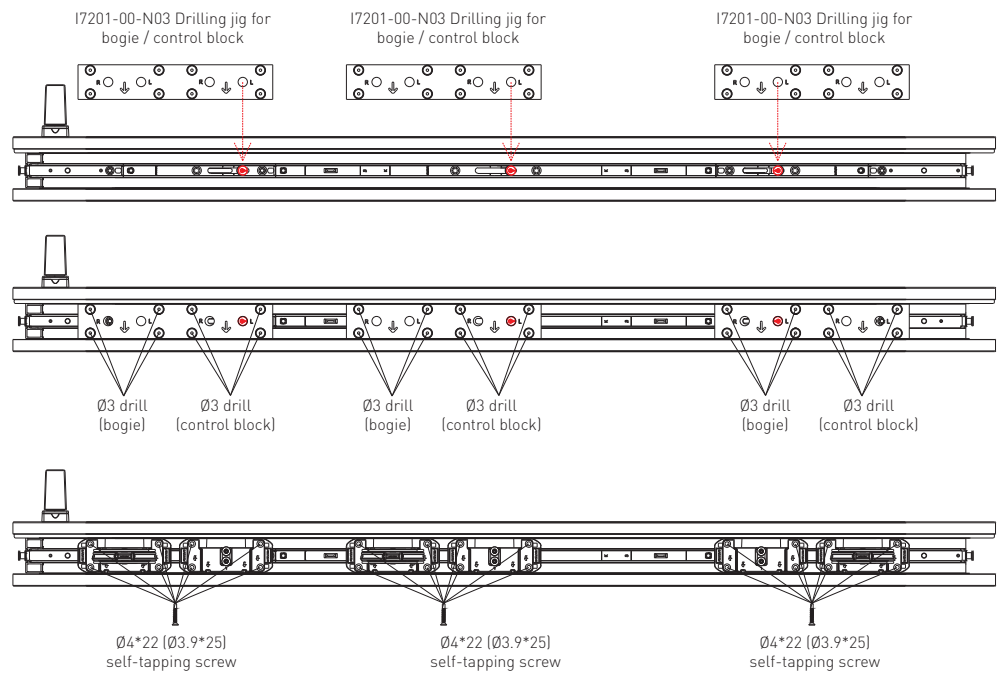




**Installation of the bogie and the control block using a drilling jig.
Left opening. Bottom.**

Additional bogie and control block for SRW > 1310

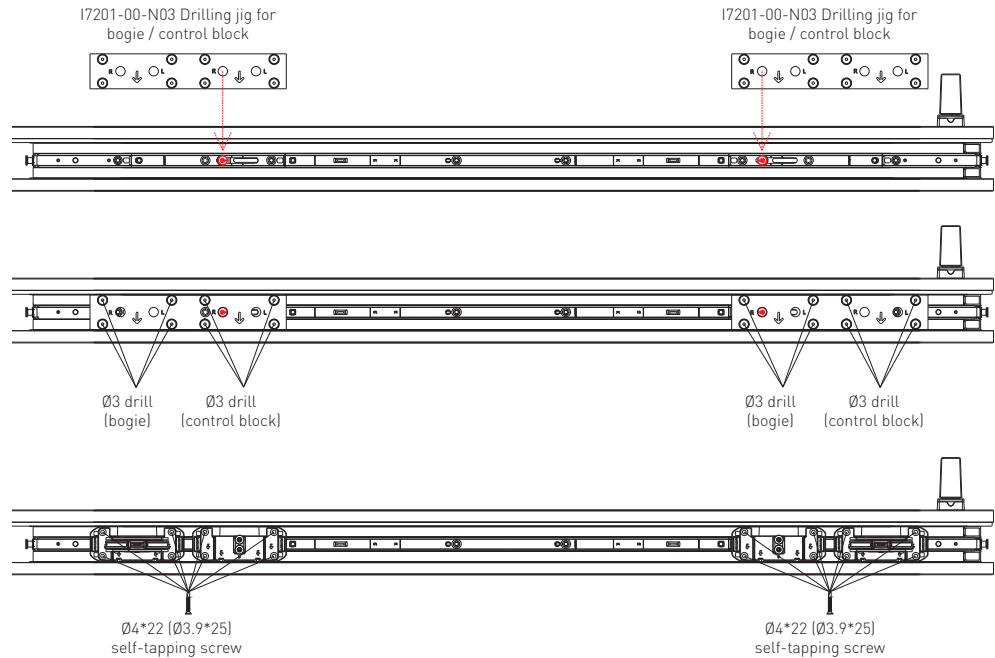
1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: handle side bogie is from the left side, mullion side bogie is from the right side. Additional bogie is located on the left side of control block on the same position of handle side. Drilling jig has to be used accordingly (see marking L).
3. Drill hole Ø3 for bogie and control block.
4. Fix with screws Ø4*22 (alternatively Ø3,9*25).





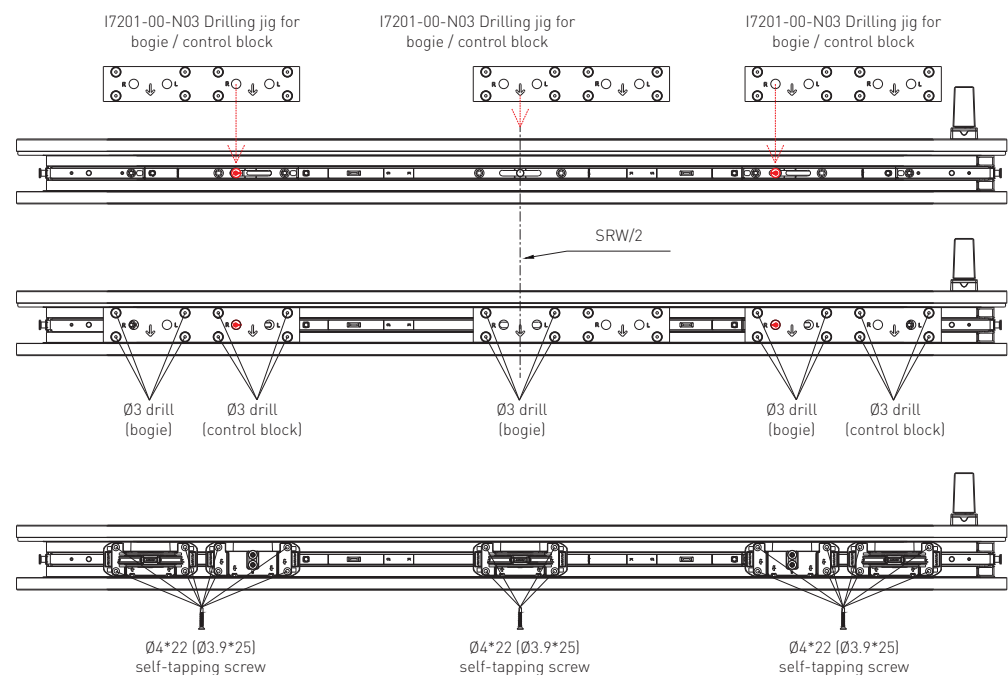
**Installation of the bogie and the control block using a drilling jig.
Right opening. Bottom.**

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: handle side bogie is from the right side, mullion side bogie is from the left side. Drilling jig has to be used accordingly (see marking R).
3. Drill hole Ø3 for bogie and control block.
4. Fix with screws Ø4*22 (alternatively Ø3,9*25).



Additional bogie from SRW > 1110

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: handle side bogie is from the right side, mullion side bogie is from the left side. Drilling jig has to be used accordingly (see marking R). Additional bogie has to be placed in the middle of sash (SRW).
3. Drill hole Ø3 for bogie and control block. For additional bogie has to be drilled just for bogie.
4. Fix with screws Ø4*22 (alternatively Ø3,9*25).

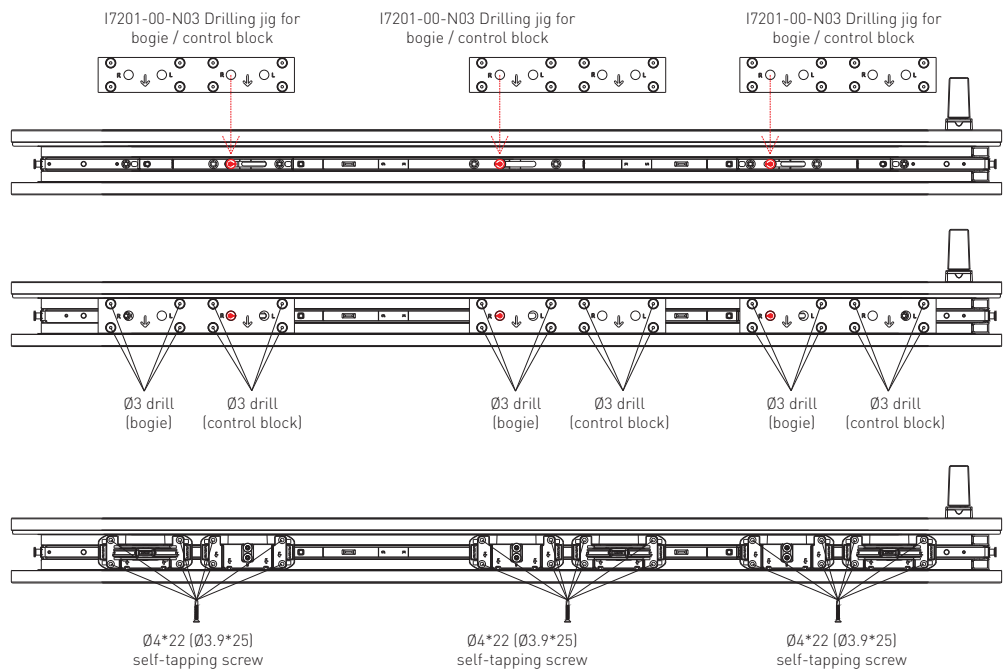




**Installation of the bogie and the control block using a drilling jig.
Right opening. Bottom.**

Additional bogie and control block for SRW > 1310

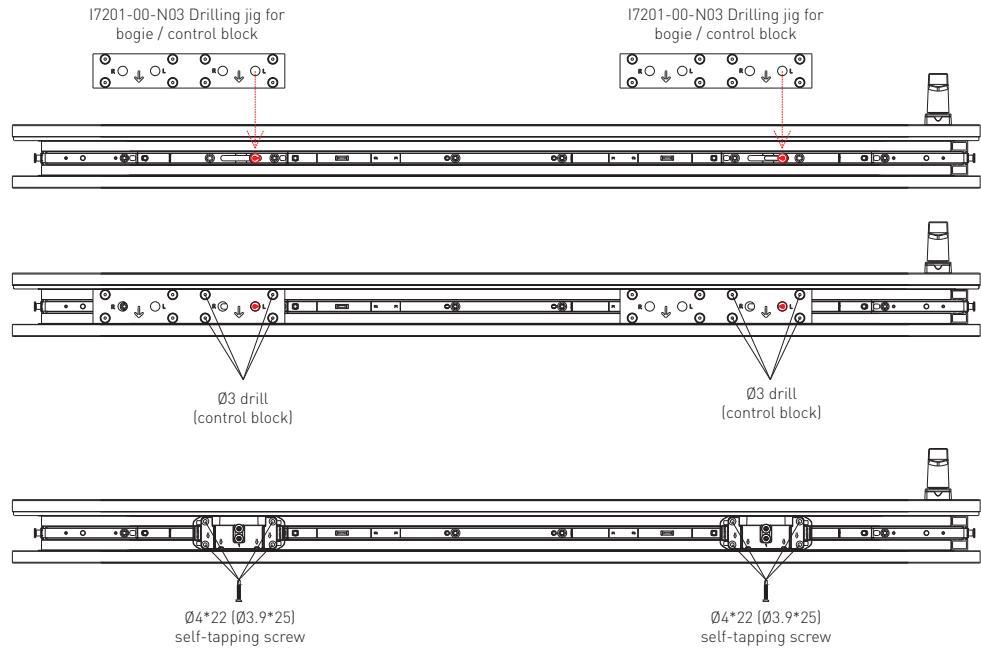
1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: handle side bogie is from the right side, mullion side bogie is from the left side. Handle side bogie is from the right side, mullion side bogie is from the left side. Drilling jig has to be used accordingly (see marking R).
3. Drill hole Ø3 for bogie and control block.
4. Fix with screws Ø4*22 (alternatively Ø3,9*25).





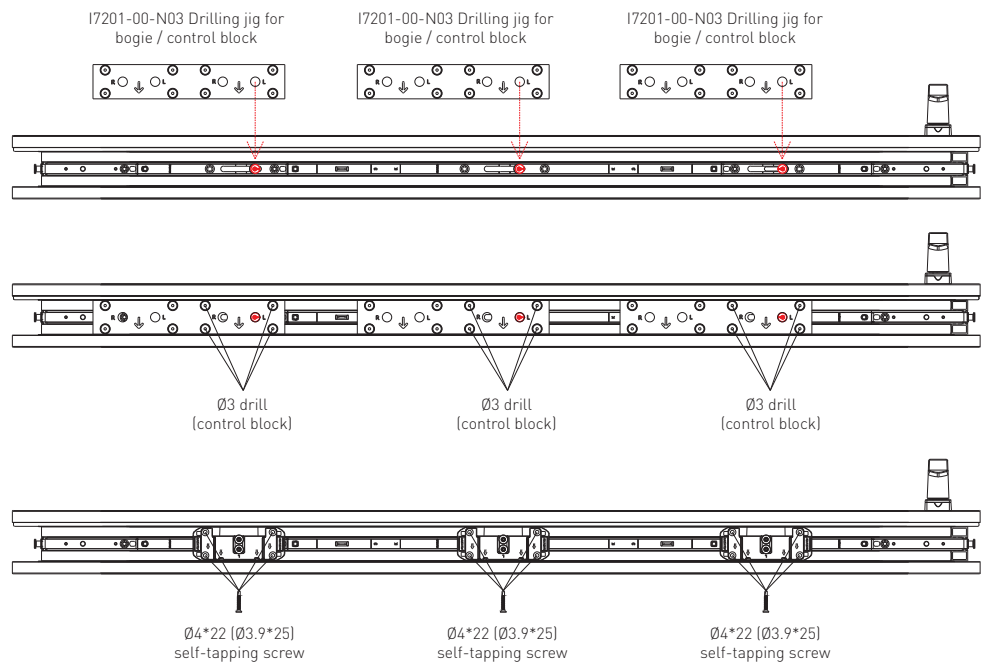
**Installation of the control block using a drilling jig.
Left opening. Top.**

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: Drilling jig has to be used accordingly (see marking L).
3. Drill hole $\varnothing 3$ for control block.
4. Fix with screws $\varnothing 4 \times 22$ (alternatively $\varnothing 3,9 \times 25$).



Additional control block from SRW > 1110

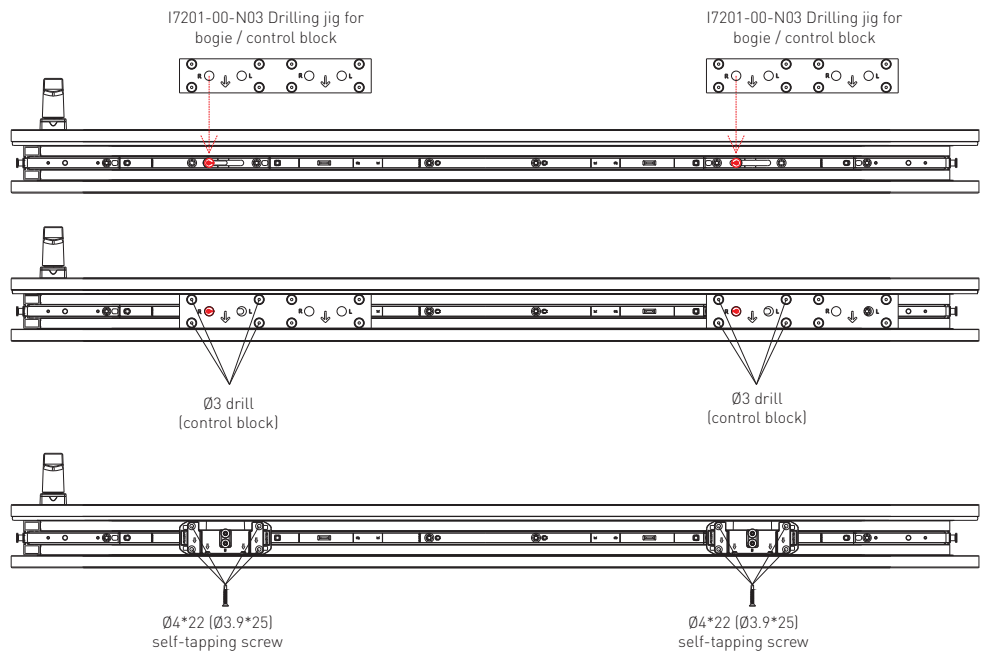
1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: Drilling jig has to be used accordingly (see marking L).
3. Drill hole $\varnothing 3$ for control block.
4. Fix with screws $\varnothing 4 \times 22$ (alternatively $\varnothing 3,9 \times 25$).





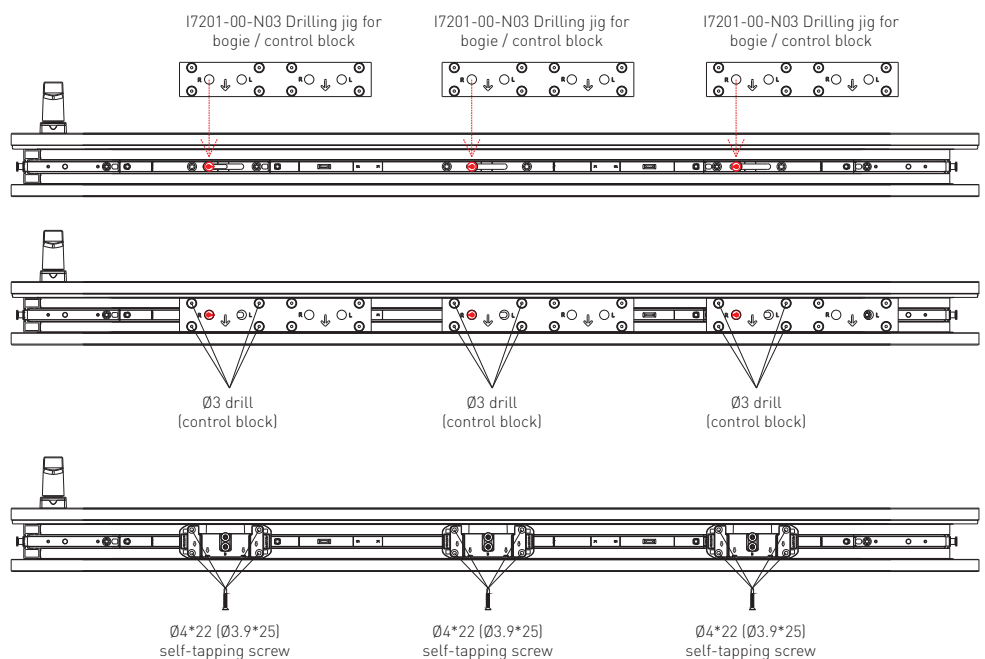
**Installation of the control block using a drilling jig.
Right opening. Top.**

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: Drilling jig has to be used accordingly (see marking R).
3. Drill hole Ø3 for control block.
4. Fix with screws Ø4*22 (alternatively Ø3,9*25).



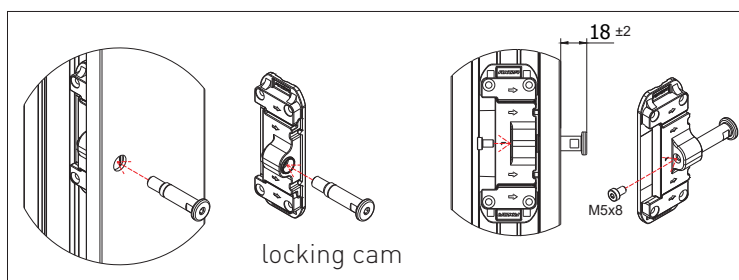
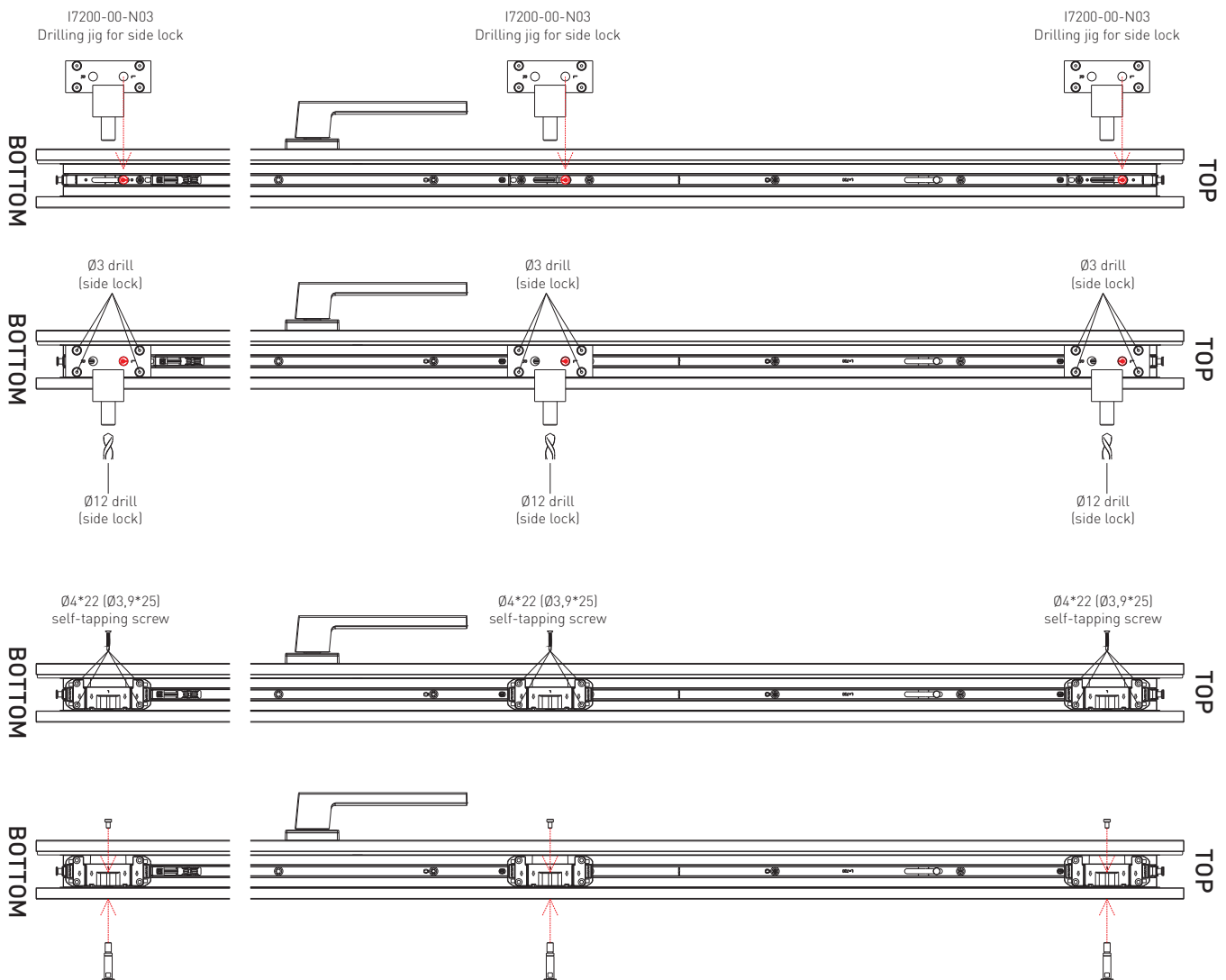
Additional control block from SRW > 1110

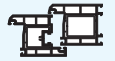
1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of extension lock. Pay attention: Drilling jig has to be used accordingly (see marking R).
3. Drill hole Ø3 for control block.
4. Fix with screws Ø4*22 (alternatively Ø3,9*25).



Installation of side lock using a drilling jig (left opening).

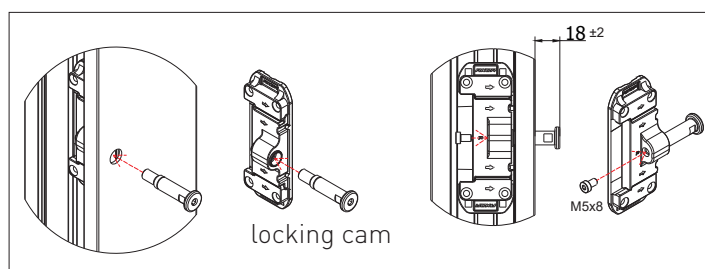
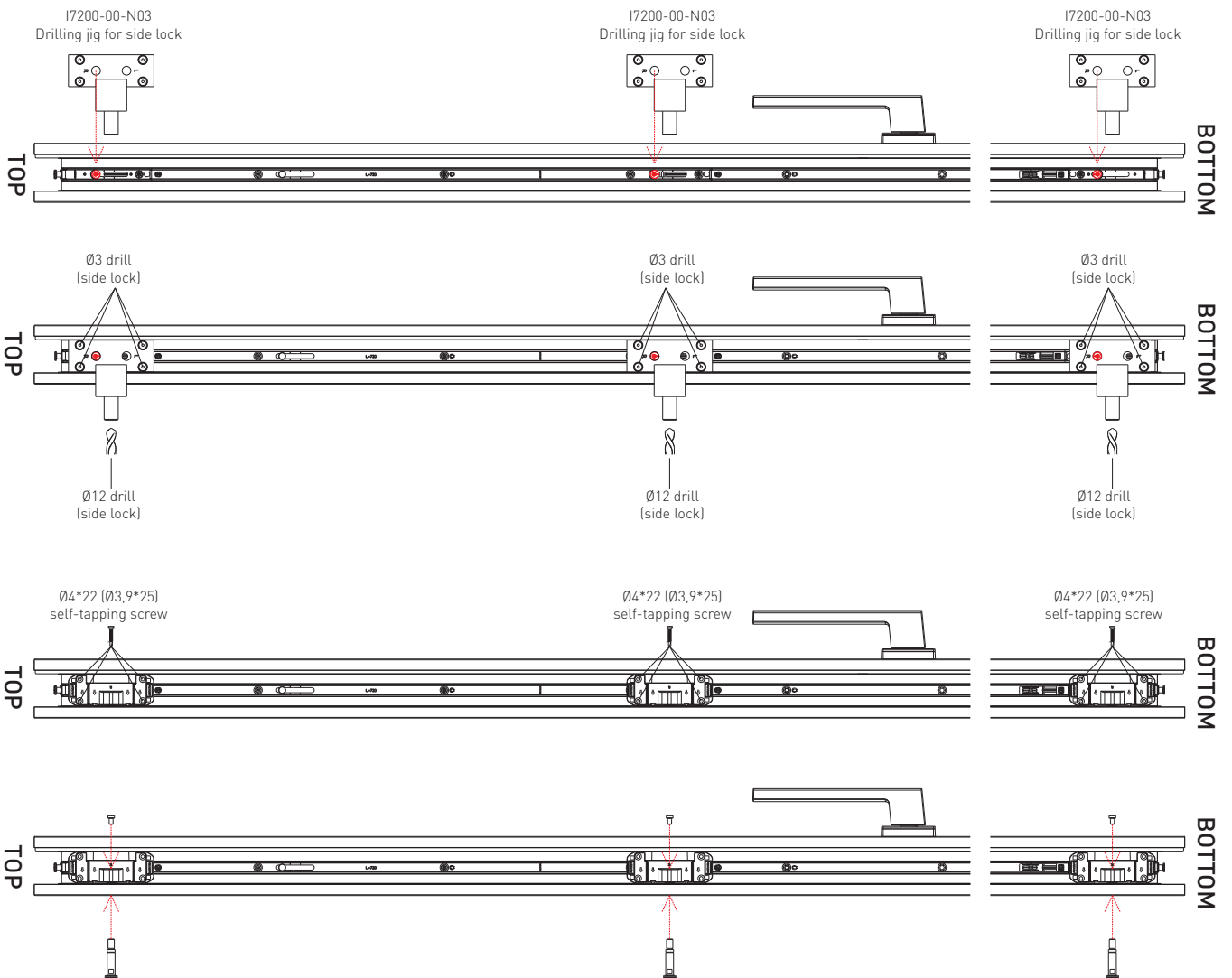
1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of corner transmission, extension lock. Pay attention: drilling jig has to be used accordingly (see marking L).
3. Drill hole $\varnothing 3$ for side lock.
4. Drill hole $\varnothing 12$ for locking cam.
5. Fix with screws $\varnothing 4 \times 22$ (alternatively $\varnothing 3,9 \times 25$).
6. Install locking cam.
7. Fix with screw M5x8.





Installation of side lock using a drilling jig (right opening).

1. Rotate a handle in open position (180°).
2. Install drilling jig on the locking pin of corner transmission, extension lock. Pay attention: drilling jig has to be used accordingly (see marking R).
3. Drill hole $\varnothing 3$ for side lock.
4. Drill hole $\varnothing 12$ for locking cam.
5. Fix with screws $\varnothing 4 \times 22$ (alternatively $\varnothing 3,9 \times 25$).
6. Install locking cam.
7. Fix with screw M5x8.

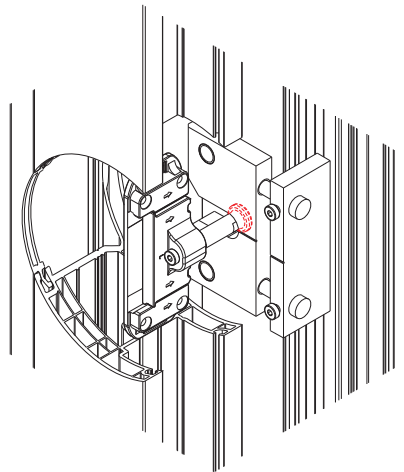




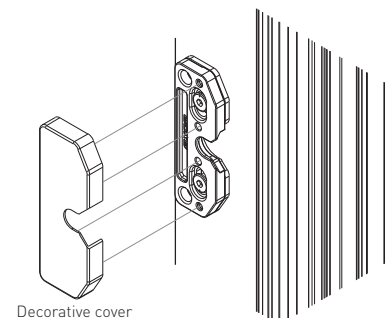
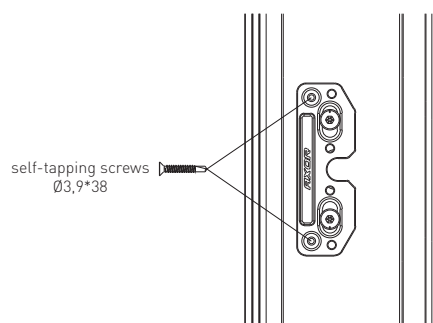
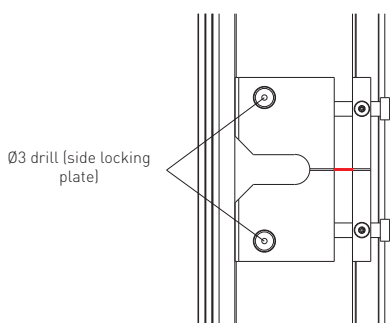
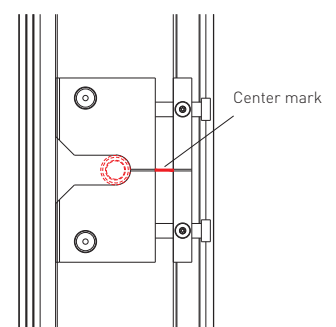
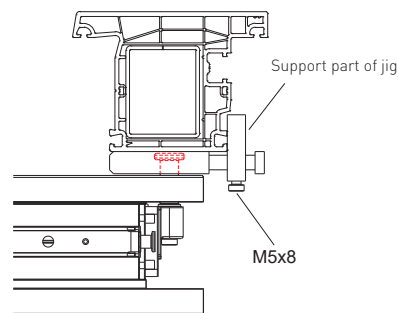
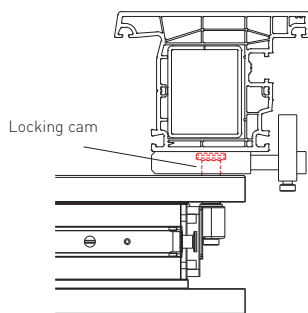
Installation of side locking plate using a drilling jig.

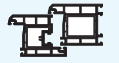
1. Close a sash completely, rotate a handle in close position (0°).
2. Put a jig on the locking cam of side lock completely to the end.
3. Move the support part of jig until it contact with mullion.
4. Tight with screws M5x8.
5. Mark the centre of jig.
6. Open and take off a sash.
7. Put a jig again on the mullion in according with mark.
8. Drill holes Ø3 for side locking plate.
9. Fix with screws Ø3,9*38.
10. Install decorative cover.

Install the side locking plate after installing the front dampers.



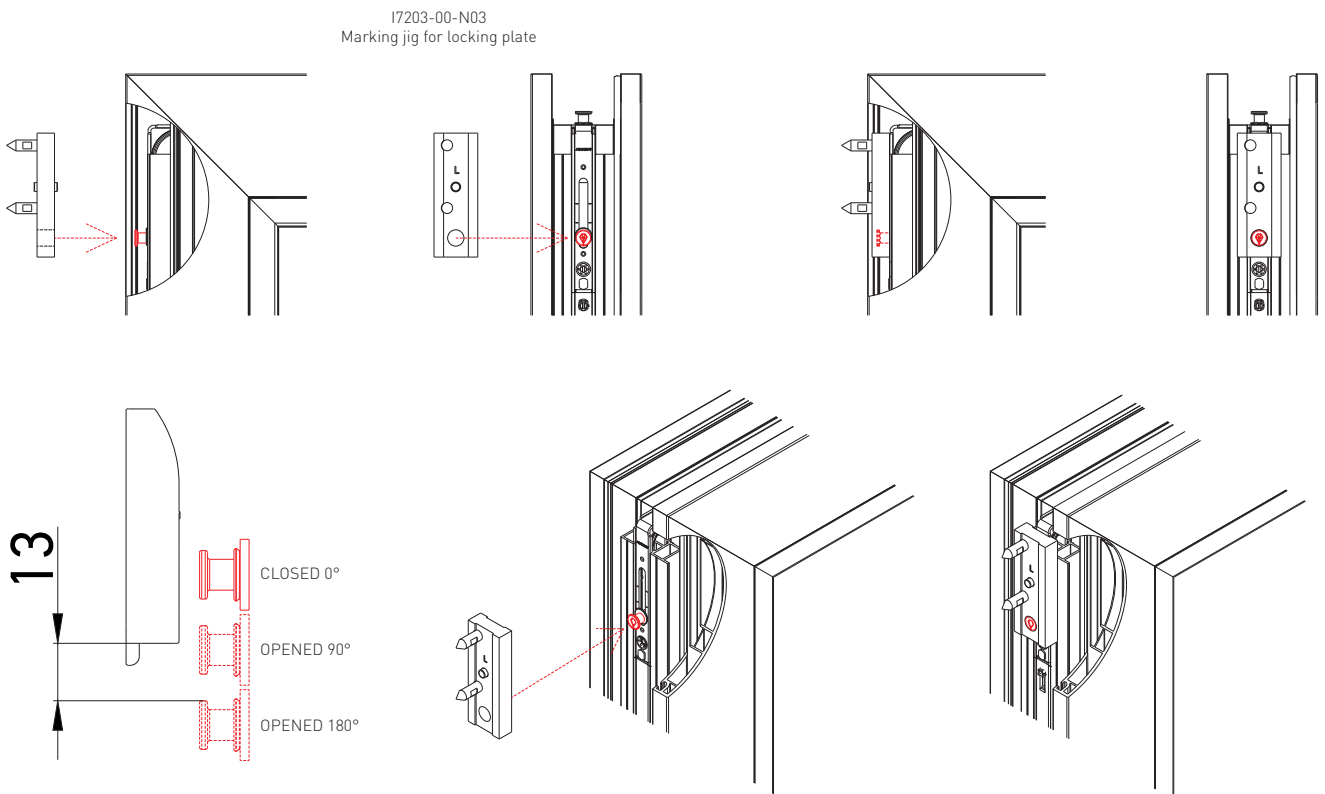
17202-00-N03
Drilling jig for side locking plate





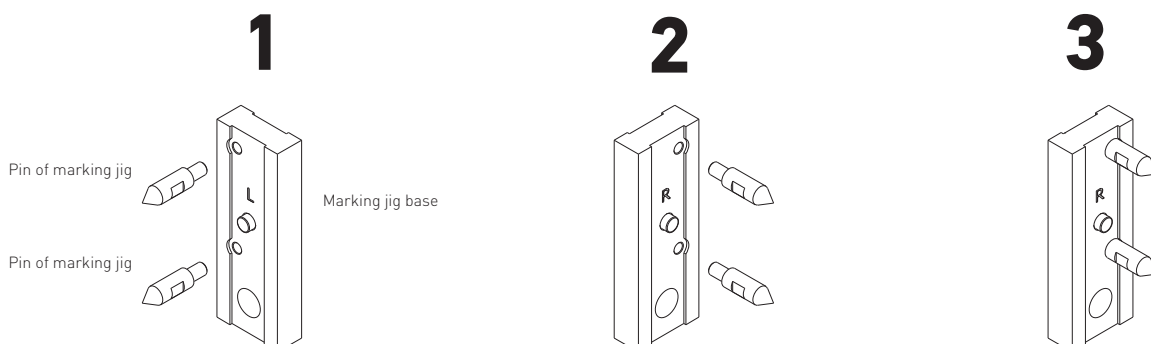
Installation of locking plates using a drilling jig. Left opening.

1. Rotate a handle in open position (180°).
2. Install marking jig on the locking pin of corner transmission, gear. Pay attention: marking jig has to be used accordingly (see marking L).
3. Close the sash with small effort (hit). In result on frame adapter will be markings from pins of jig.
4. Drill hole Ø3 for locking plate according to marking.
5. Fix with screws Ø4*22 (alternatively Ø3,9*25).



Installation of locking plates using a drilling jig. Right opening.

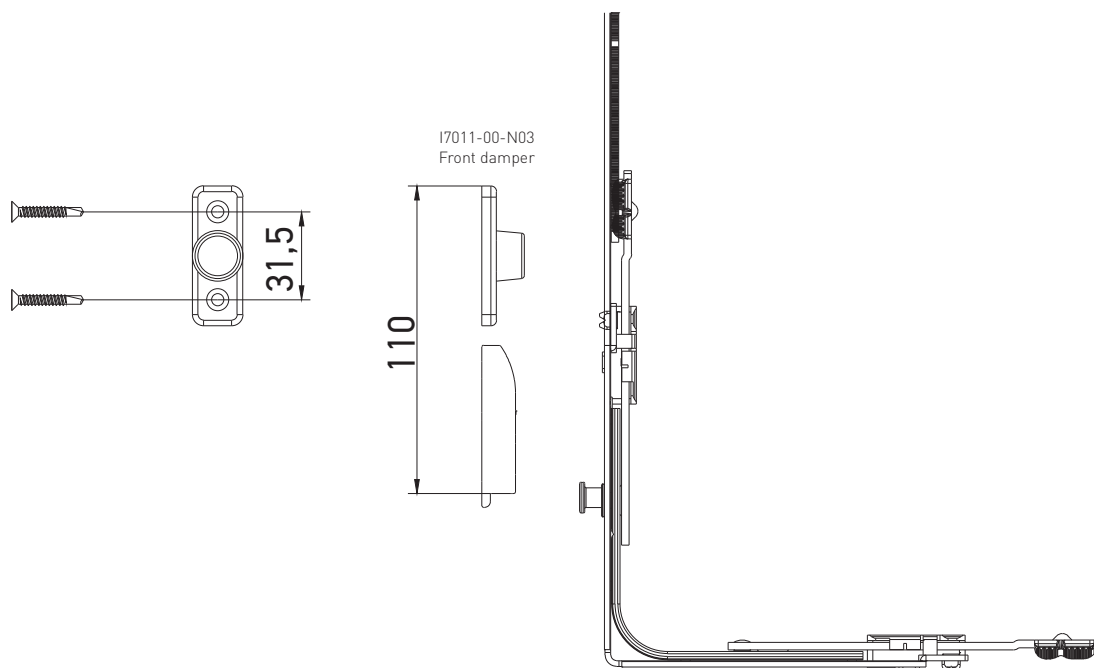
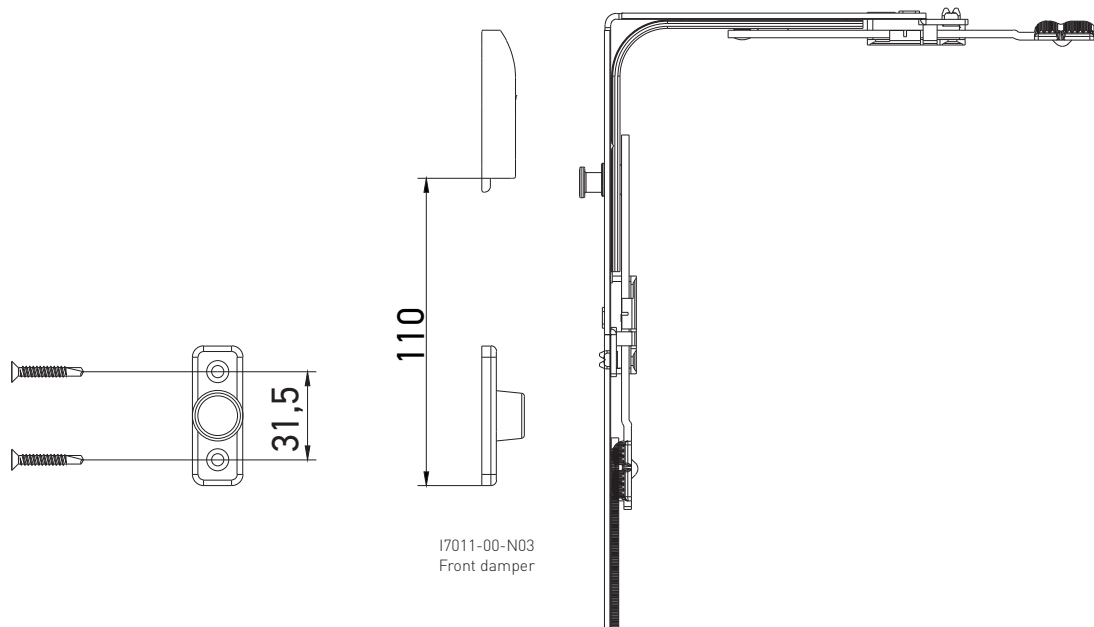
1. For right opening has to be unscrewed pins of marking jig.
2. Rotate marking jig.
3. Screw again on the right side of jig base (see marking R).
4. Repeat the steps as for left opening.

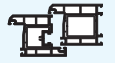


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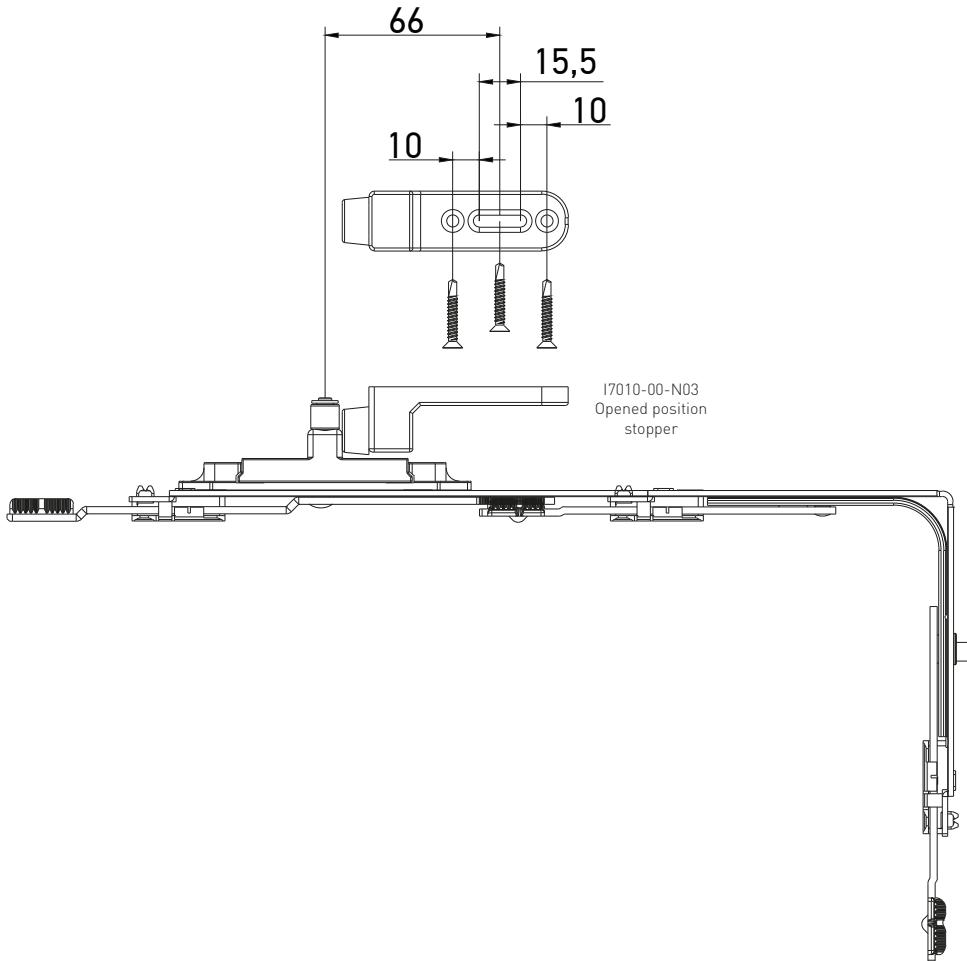


Front damper installation.





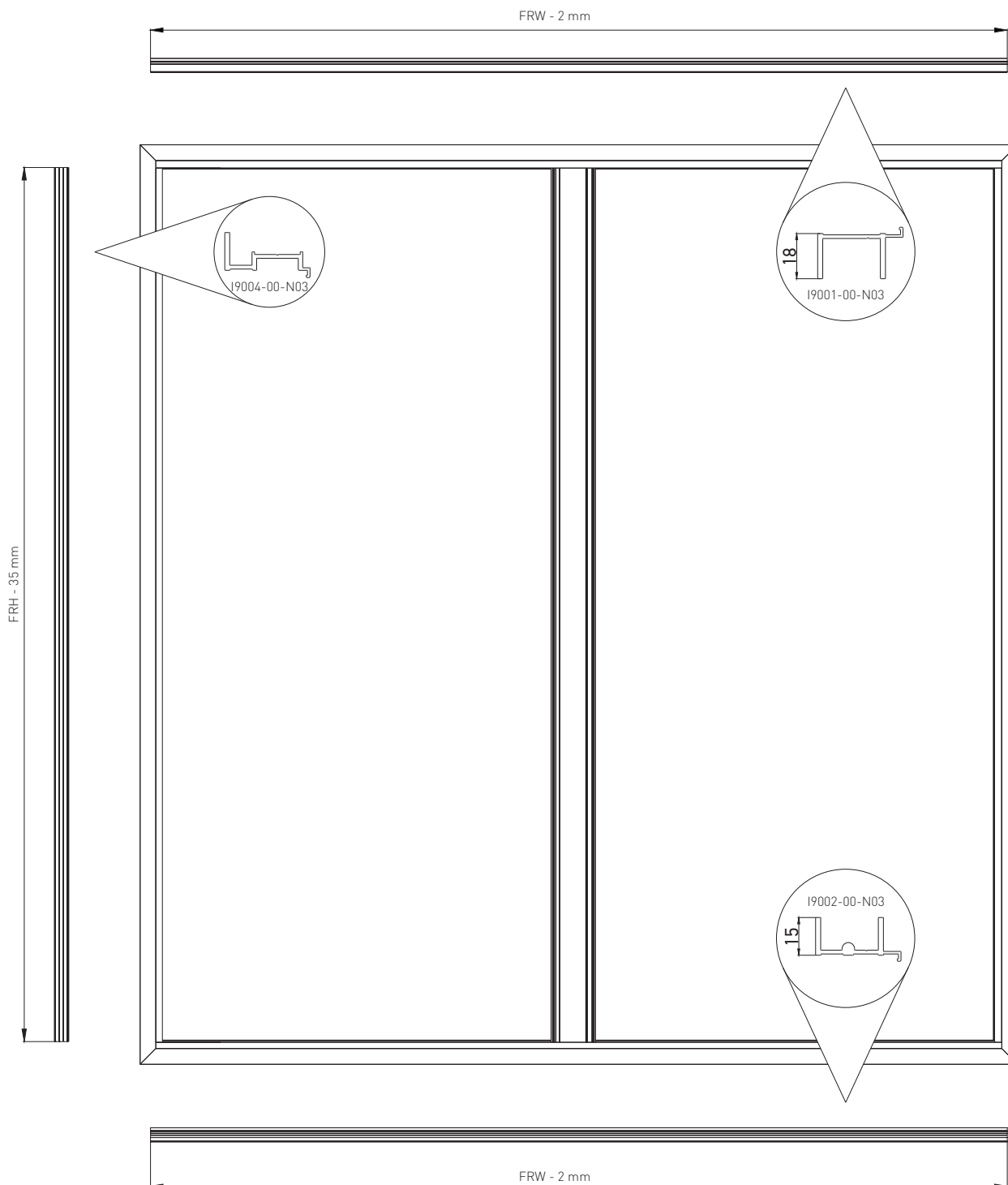
Opened position stopper installation.



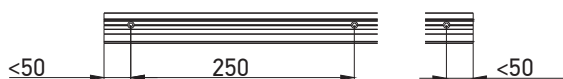
1. Previously fix with central screw.
2. If needed - adjust position and fix finally with 3 screw.



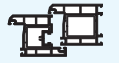
Cutting of guides



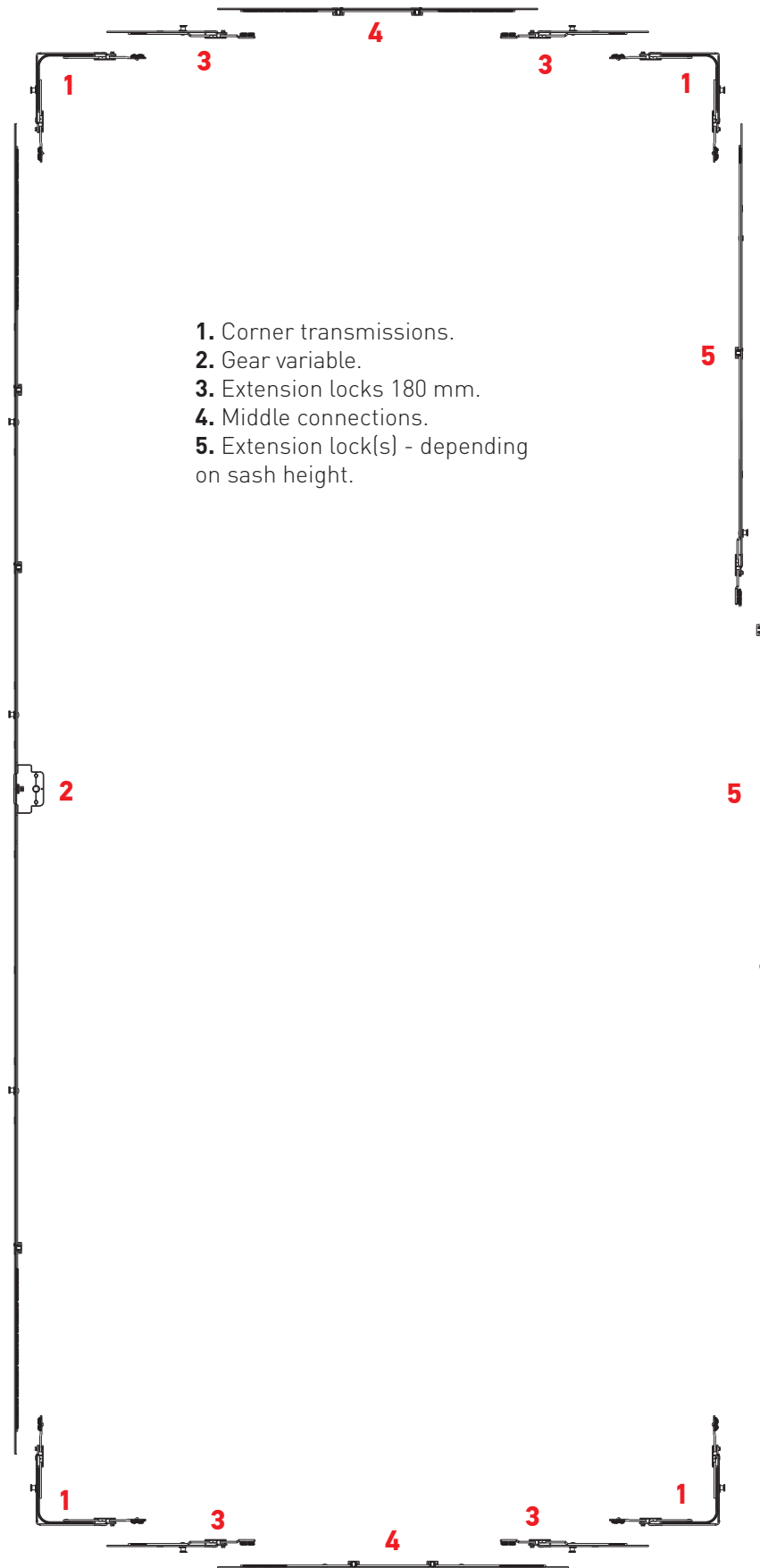
Drilling holes for guides: I9001-00-N03, I9002-00-N03



1. Fixing holes $\varnothing 4.5$ mm; chamfers min. $\varnothing 7.5$.
2. The distance between holes must be max. 250 mm
3. The distance from the end of guide to first hole max. 50 mm (both sides)

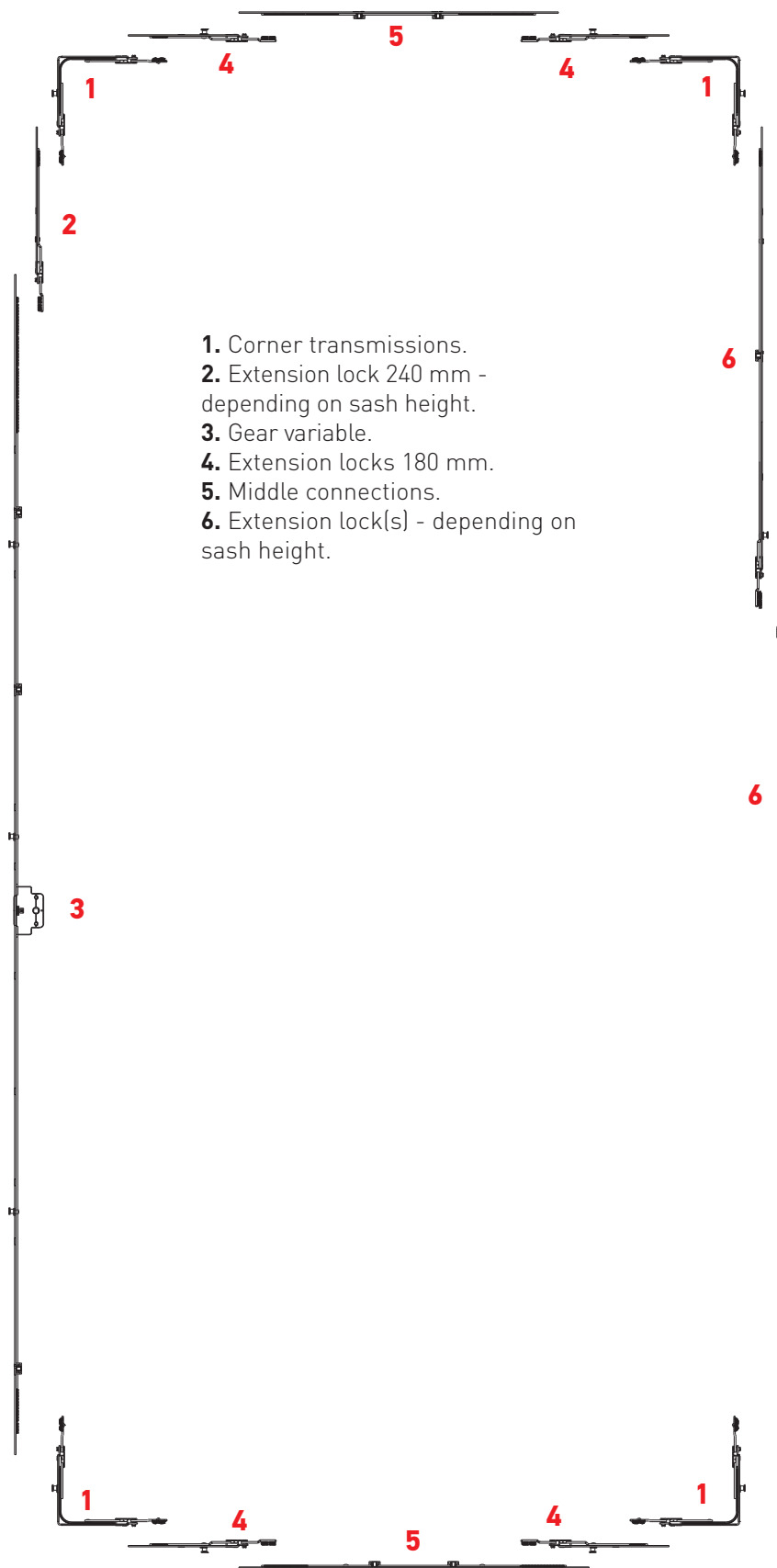


Hardware installation (position of the handle in the center)



- 1. Corner transmissions.
- 2. Gear variable.
- 3. Extension locks 180 mm.
- 4. Middle connections.
- 5. Extension lock(s) - depending on sash height.

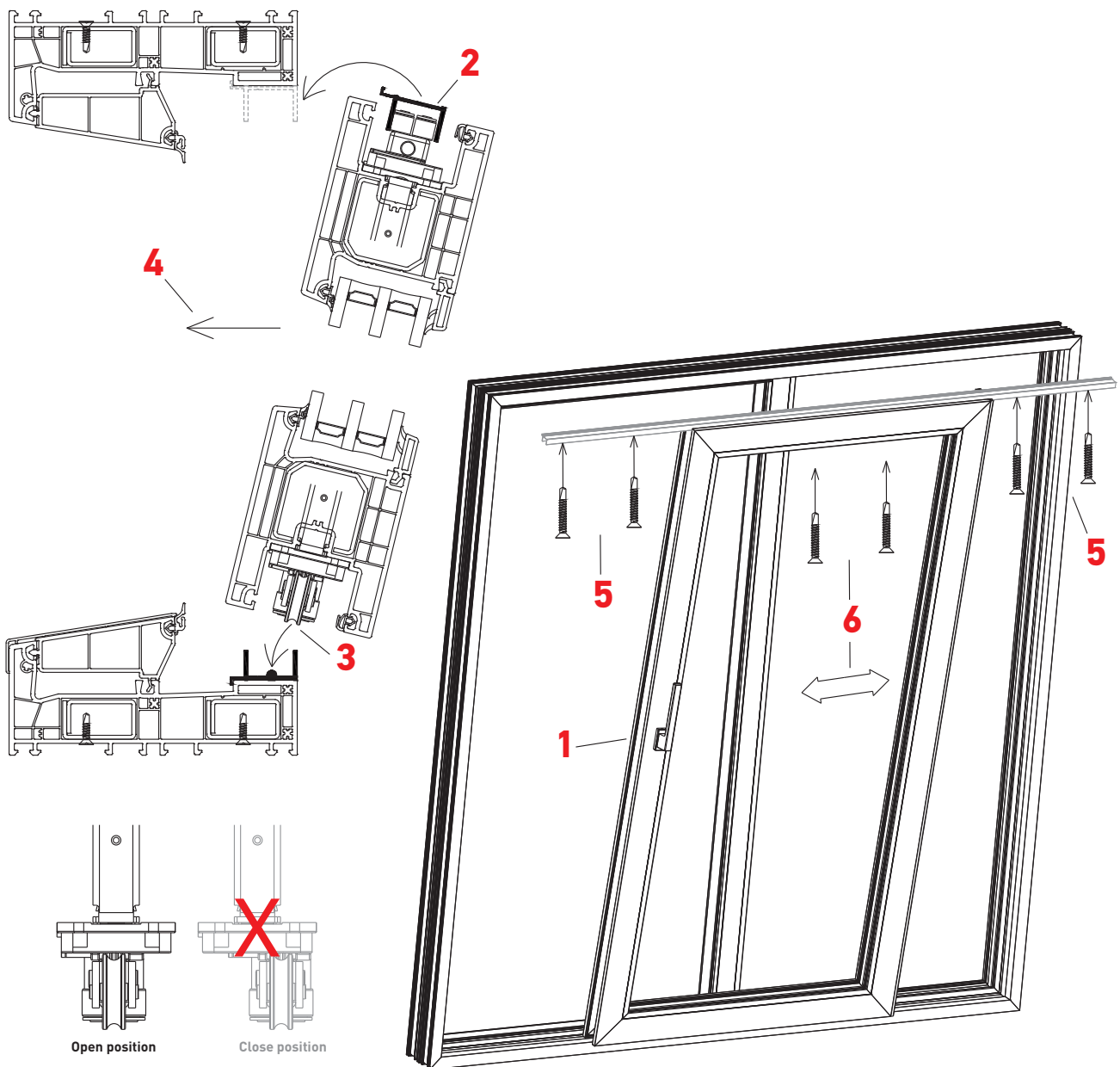
Hardware installation (handle position G=1000)



Sash installation

1. Rotate a handle in open position (180°).
2. Put a guide track (top) on control blocks at the top.
3. Install bogies and control blocks with a sash on roller track at the bottom.
4. Install a sash in vertical position. Make sure that the bogies are on the roller track.
5. Fix extrime parts of guide track with screws $\text{Ø}4*22$ (alternatively $\text{Ø}3.9*25$) from both sides.
6. Slide carefully sash to the end and fix guide track completely with screws $\text{Ø}4*22$ (alternatively $\text{Ø}3.9*25$).

Pay attention: it is necessary minimum two people for sash installation!
Otherwise, working staff may be injured or the structure may be damaged!

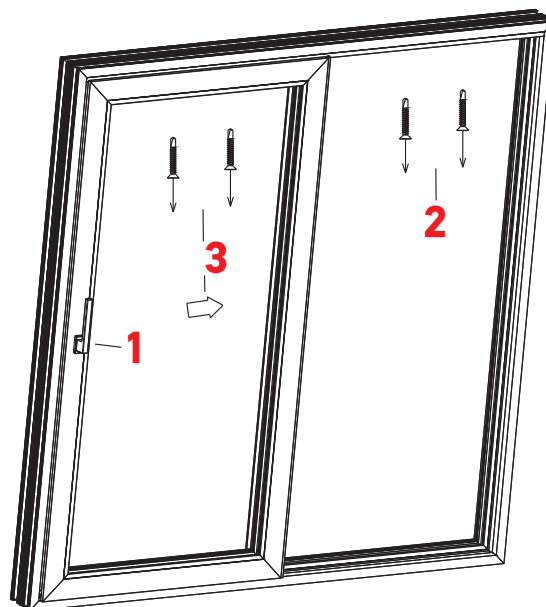
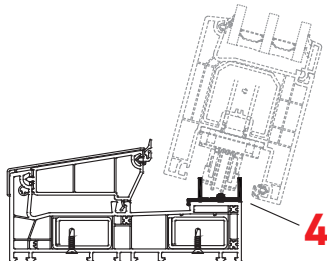
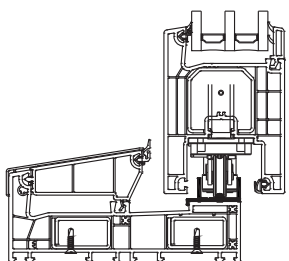
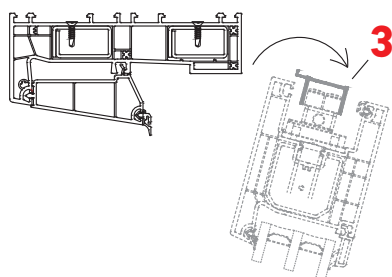
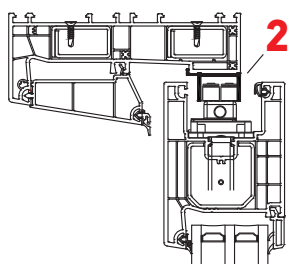


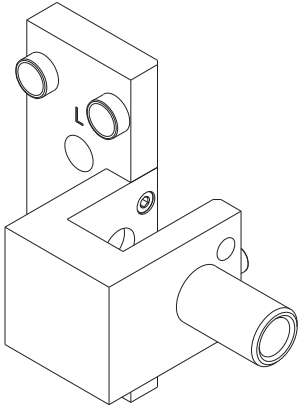
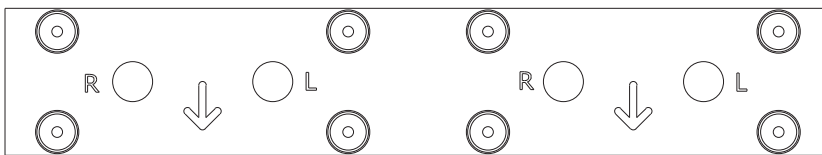
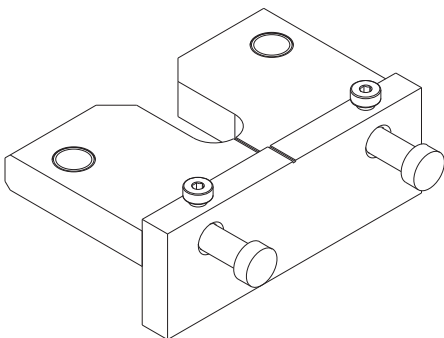
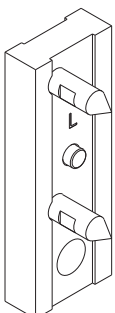


Sash uninstillation

1. Rotate a handle in open position (180°).
2. Unscrew guide track from one side.
3. Slide carefully sash to the end of other side and unscrew guide track completely..
4. Tilt sash and remove guide track.
5. Uninstall sash from roller track.

**Pay attention: it is necessary minimum two people for sash installation!
Otherwise, working staff may be injured or the structure may be damaged!**



**I7200-00-N03 Drilling jig for side lock****I7201-00-N03 Drilling jig for bogie/control block****I7202-00-N03 Drilling jig for side locking plate****I7203-00-N03 Marking jig for locking plate**



Punching machines



PS100-3-S5-GL20

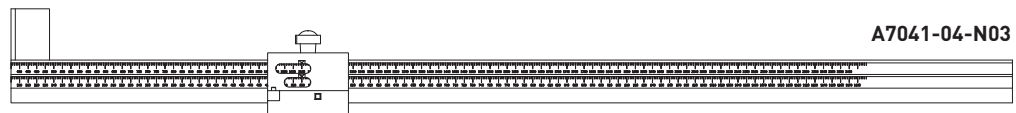
- Integrated blow out function
- Eccentric cut
- Hydropneumatic drive 0,6 MPa (6 bar) 15 kN
- Working pressure, min.....6 bar
- Working pressure, max..... 1 MPa (10 bar)
- Foot switch
- Designed for small up to medium size production



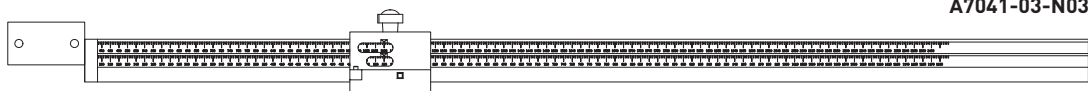
BSD-S5-SHGL20

- Hydropneumatic drive
- Eccentric cut
- Working pressure..... 6-10 bar
- Operating pressure6 bar
- Matrix28 kN
- Push rod18 kN
- Maximum pressure 10 bar
- Foot switch

The rulers



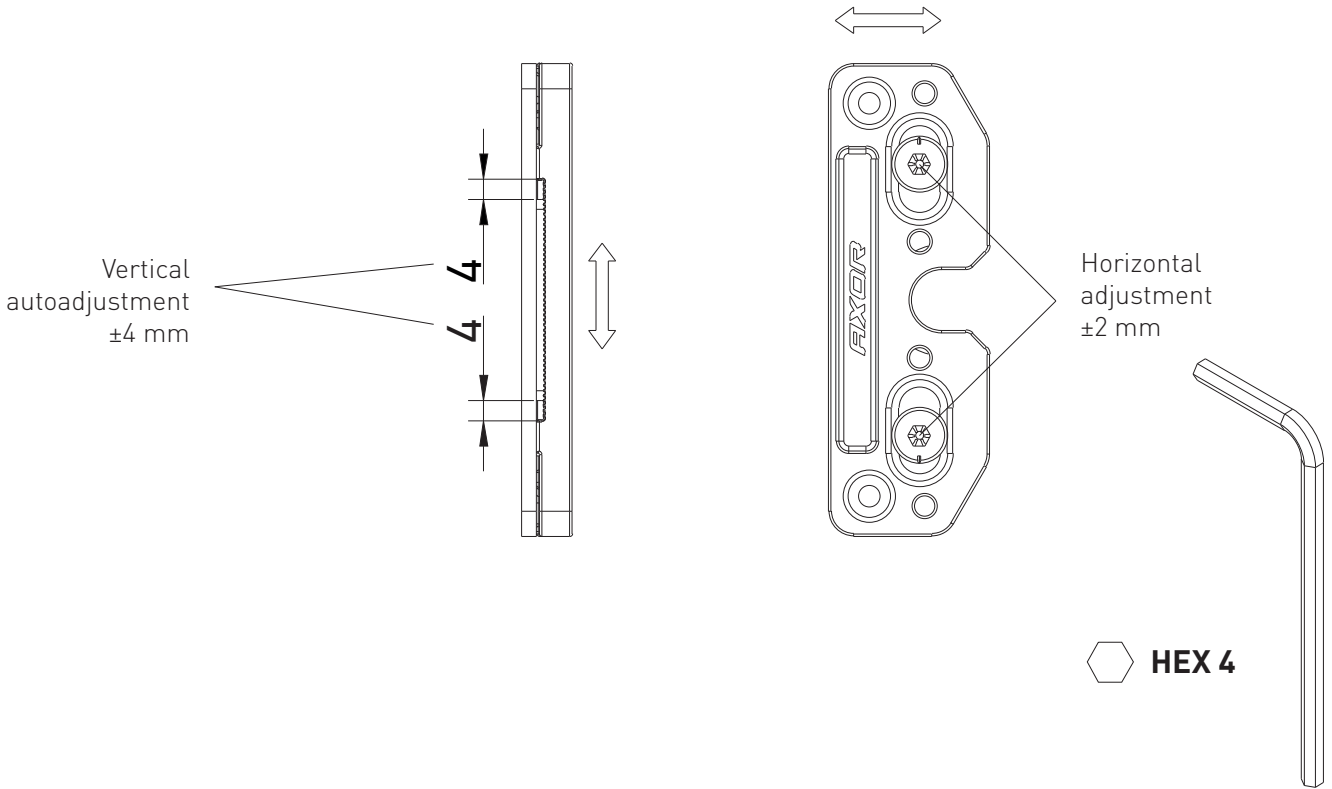
A7041-04-N03



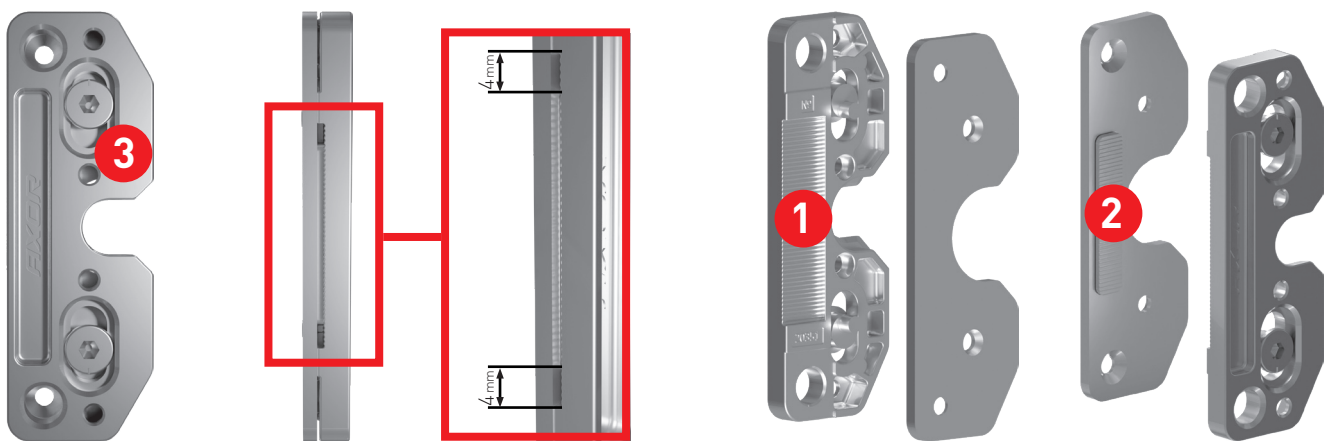
A7041-03-N03

Description	Part No.
Punching machine BSD-"S5-SHGL20, left with foot control	BSD-S5-SHGL20
Punching machine BS-Multi-MAX PS100 with foot control	PS100-3-S5-GL20
The ruler BSD-S5-SHGL20	A7041-03-N03
The ruler PS100-3-S5-GL20	A7041-04-N03

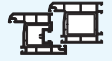
Side locking plate adjustment



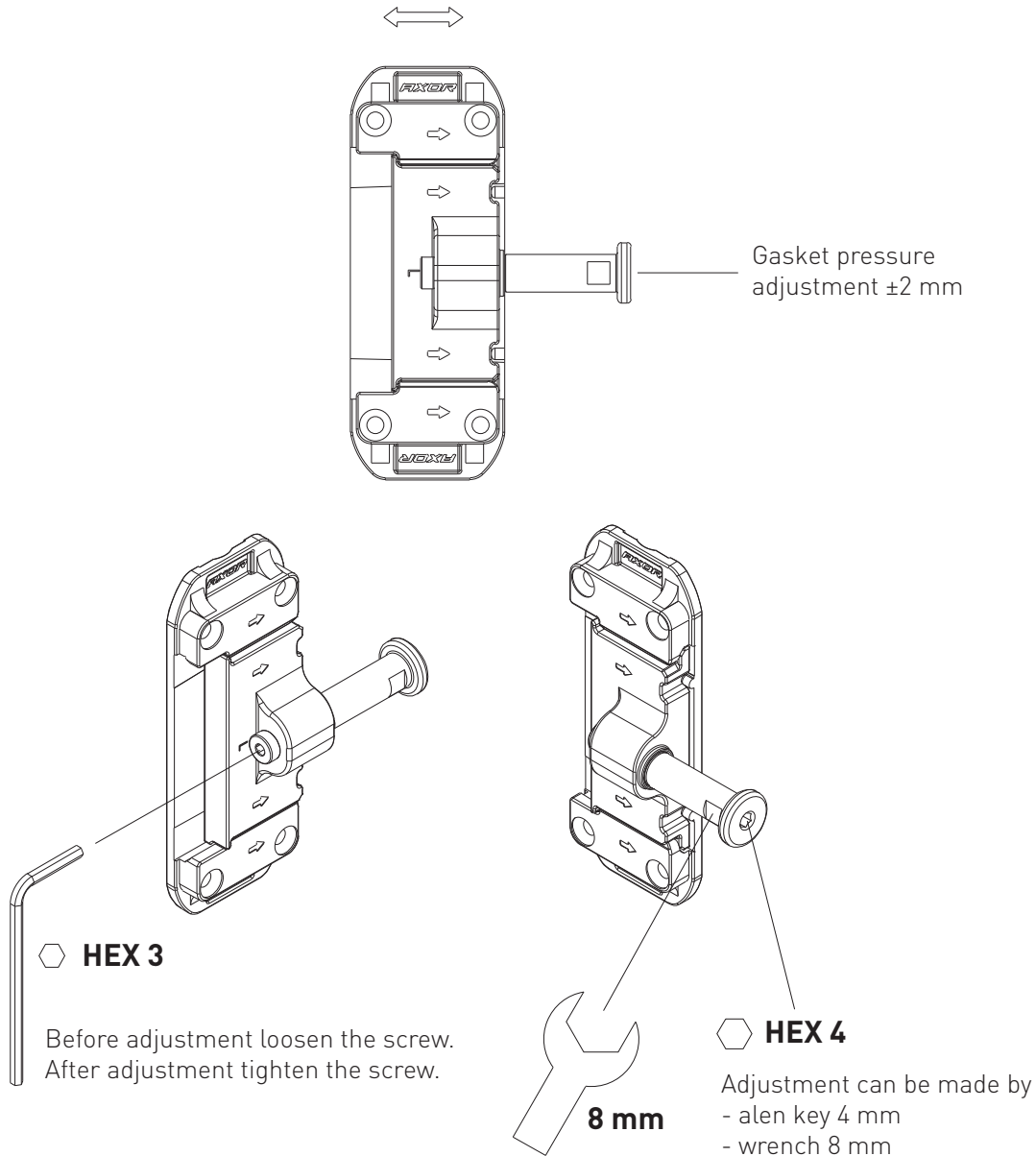
Automatic adjustment



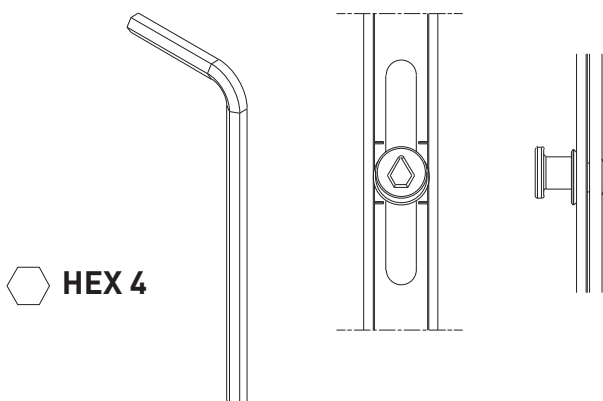
The principle of action: The body of side lock **3** moves vertically along the ribbed surface **2**, as a result of which the element **3** “adjusts” in height to the position of the locking cam on the side lock. Ribbed surface **1** prevents free vertical movement.





Side lock adjustment



Locking pin adjustment (gasket pressure)



Locking pin	MR	Rotation direction	Adjustment limits
			
			+/-1



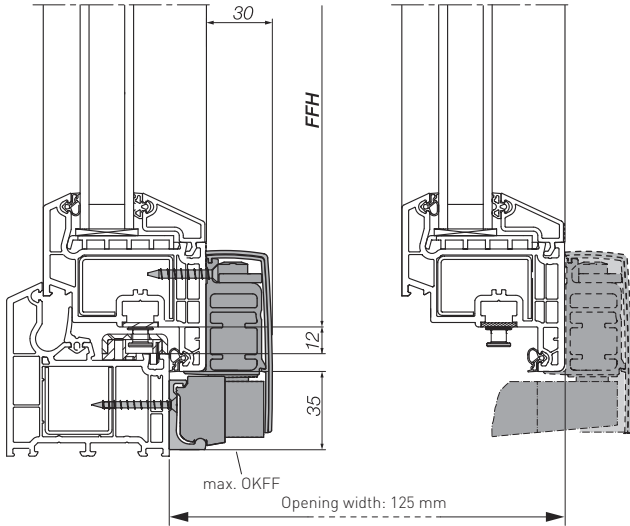
SECTION 2

INTENT   **HAUTAU**

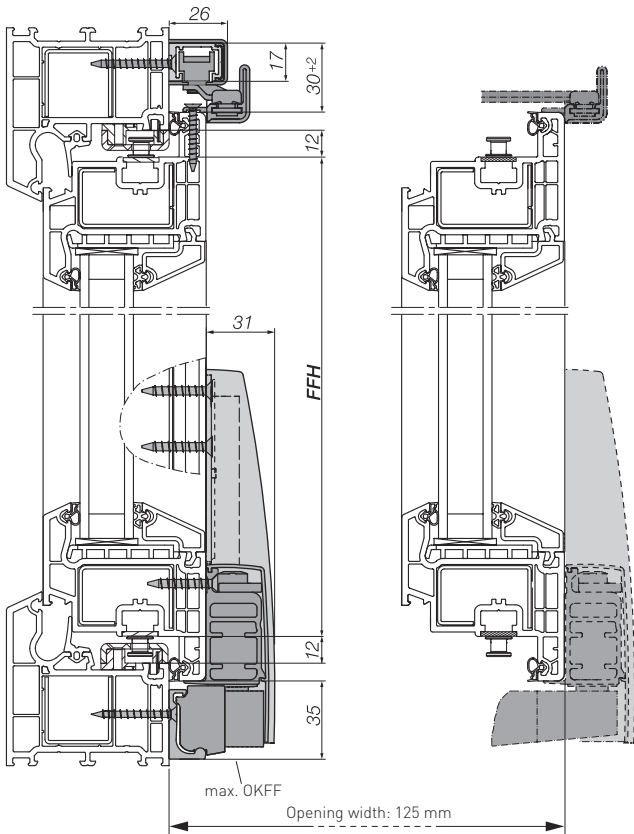
TILTING AND SLIDING SYSTEMS

**JOINT PROJECT OF SLIDING SYSTEMS
HAUTAU HKS WITH AXOR HARDWARE**

Range of application HKS 100 S and HKS 160 S



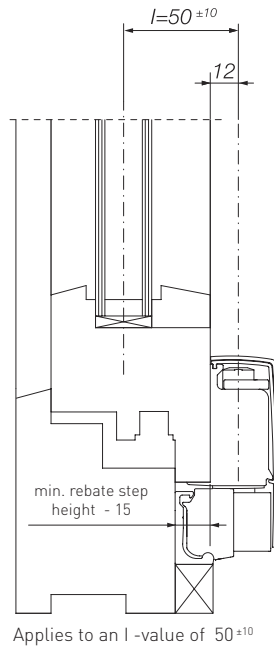
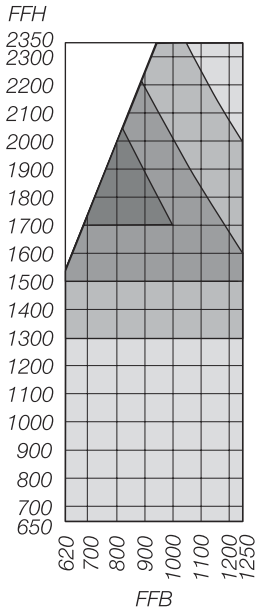
Vertical section ATRIUM HKS 100 S PVC



Vertical section ATRIUM HKS 160 S PVC

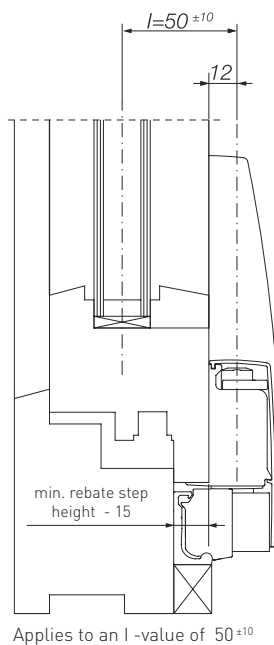
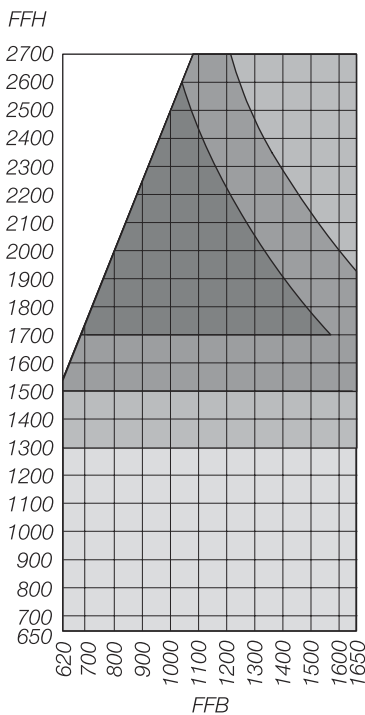


Range of application HKS 100 S



Sash rebate width (FFB).....620-1250 mm
 Sash rebate height (FFH)650-2250 mm
 Sash weightmax. 100 kg

Range of application HKS 160 S



Sash rebate width (FFB).....620-1650 mm
 Sash rebate height (FFH)650-2700 mm
 Sash weightmax. 160 kg

FFH : FFB = max. 2,5 : 1

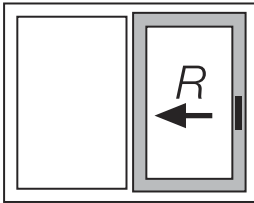
The borders of a scope specified here are obligatory and should not be exceeded. Besides, adhere to admissible parameters of application, instructions and guidelines on processing of profiles' producers.



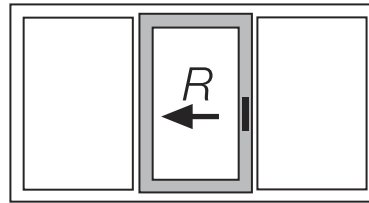
Positions and possible options of a sash's opening

Frames with solid glazing or side hung sashes

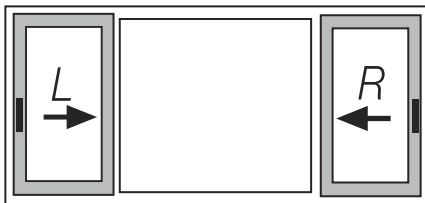
Schemes A, G , K, and C



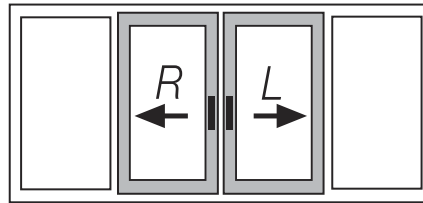
Scheme A
 Two-part element:
 1 Sliding sash (left or right)



Scheme G
 Three-part element:
 1 Sliding sash (left or right)



Scheme K
 Three-part element:
 2 Sliding sashes (left and right)



Scheme C
 Four-part element:
 2 sliding sashes (left and right) with mounting mullion
 between HKS elements

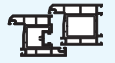
Scheme C*
 Four-part element:
 2 sliding sashes (left and right), without mounting
 mullion between HKS elements

Accessories set (schemes K and C, double quantity)

- 1 basic carton
- 1 handle
- 1 package of locking plates (profile-related)
- 1 profile set of normal size
- 1 horizontal locking
- 1 vertical locking

Accessories set scheme C*

- 1 basic carton forend (loose post)
- 2 handles
- 1 package of strikers (profile-related)
- 2 profile sets of normal size
- 2 horizontal locking
- 2 vertical locking



Brief description

HKS 100 S

Tilting and sliding hardware HKS 100 S with basic safety RC1.

For door and window elements made of plastic (PVC), with a sash's weight up to 100 kg. The tying-around of a sash (sash's elements, namely vertical and horizontal locking) consists of a gear, middle connections and corner transmissions. The top node of sliding stay arm is separated from the main locking.

The shock-proof safety lock on both brackets of stay arm.

Bogies with cleaning brushes for cleaning of bottom bearing track.

Sliding sash adjustable by height adjustment.

Upper guide track with PVC cover profile.

Flat aluminium bogie cover (28 mm).

HKS 160 S

Tilting and sliding hardware HKS 160 S with basic safety RC1, with the possibility of equipping up to RC2.

For door and window elements made of plastic (PVC), with a sash's weight up to 160 kg. The tying-around of sash (sash's elements, namely vertical and horizontal locking) consists of a gear, middle connections and corner transmissions. The top node of sliding stay arm is separated from the main locking.

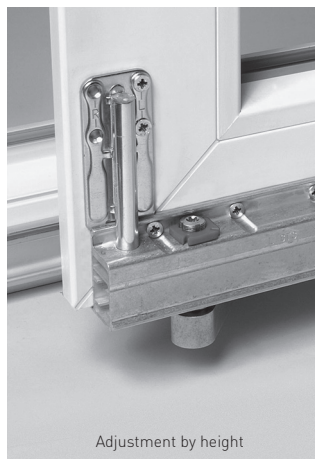
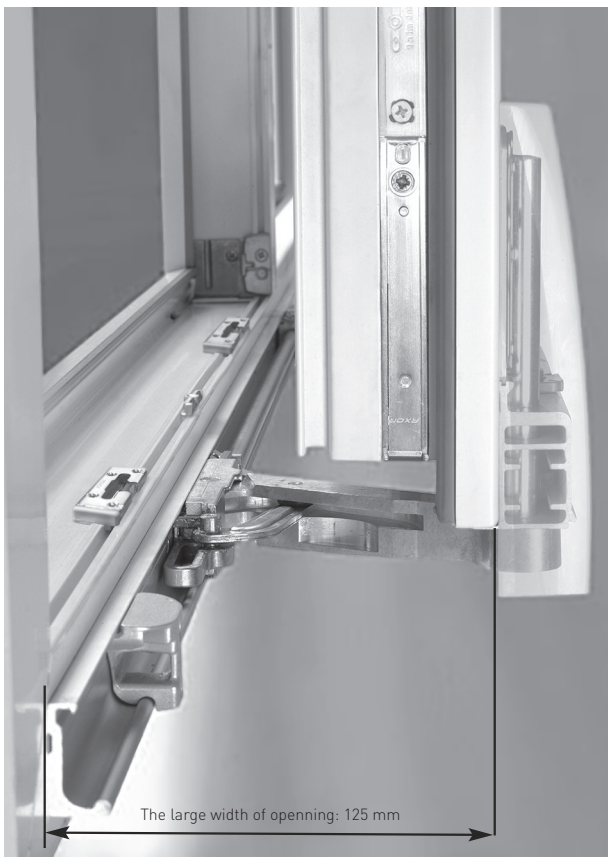
The shock-proof safety lock on both brackets of stay arm.

Bogies with cleaning brushes for cleaning of bottom bearing track.

Sliding sash adjustable by height adjustment.

Upper guide track with PVC cover profile.

Flat aluminium bogie cover (28 mm).





HKS 100 S, Standard, width up to 750 mm

Scheme A, PVC profile

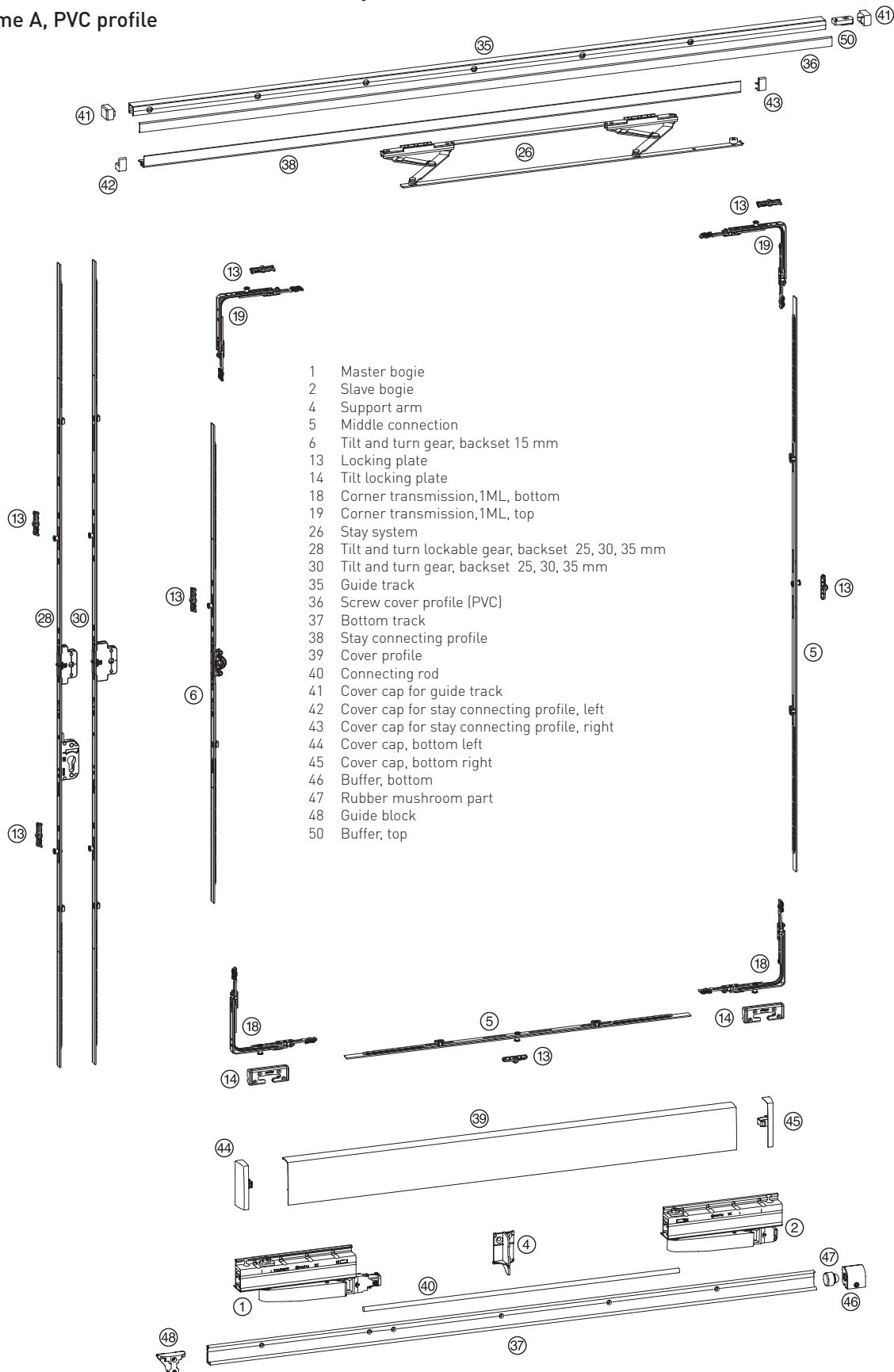
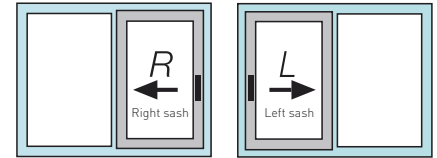


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)



HKS 100 S, Standard, width up to 750 mm

Scheme A, PVC profile



Item on the pic.		left	right			
1,2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03			
4, 26, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 100 S	FFB	RAB	white	brown	
		620-900	1930	I7004-01-N01	I7004-01-N02	
	The tying-around of a sash (vertical and horizontal locking)	FFB	FFH	Part number		
5	Middle connection L = 520	551-750	-	S4005-05-N03		
	Middle connection L = 720	751-950	-	S4005-07-N03		
	Middle connection L = 1200	951-1430	-	S4005-12-N03		
	Middle connection L = 1680	1431-1910	-	S4005-17-N03		
	Middle connection L = 2160	1911-2390	-	S4005-22-N03		
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03		
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03		
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03		
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03		
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03		
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03		
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03		
13	Locking plate	-	-	(profile-related) see profile overview		
14	Tilt locking plate	-	-	(profile-related) see profile overview		
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03		
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03		
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03		
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03	
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm		-	1431-1910	S1007-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm		-	1911-2390	S1007-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm		-	1431-1910	S1009-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm		-	1911-2390	S1009-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*		-	1431-1910	S1011-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*		-	1911-2390	S1011-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*		-	1431-1910	S1013-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*		-	1911-2390	S1013-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*		-	1431-1910	S1015-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*		-	1911-2390	S1015-21-N03		



HKS 100 S, Standard, width up to 1250 mm

Scheme A, PVC profile

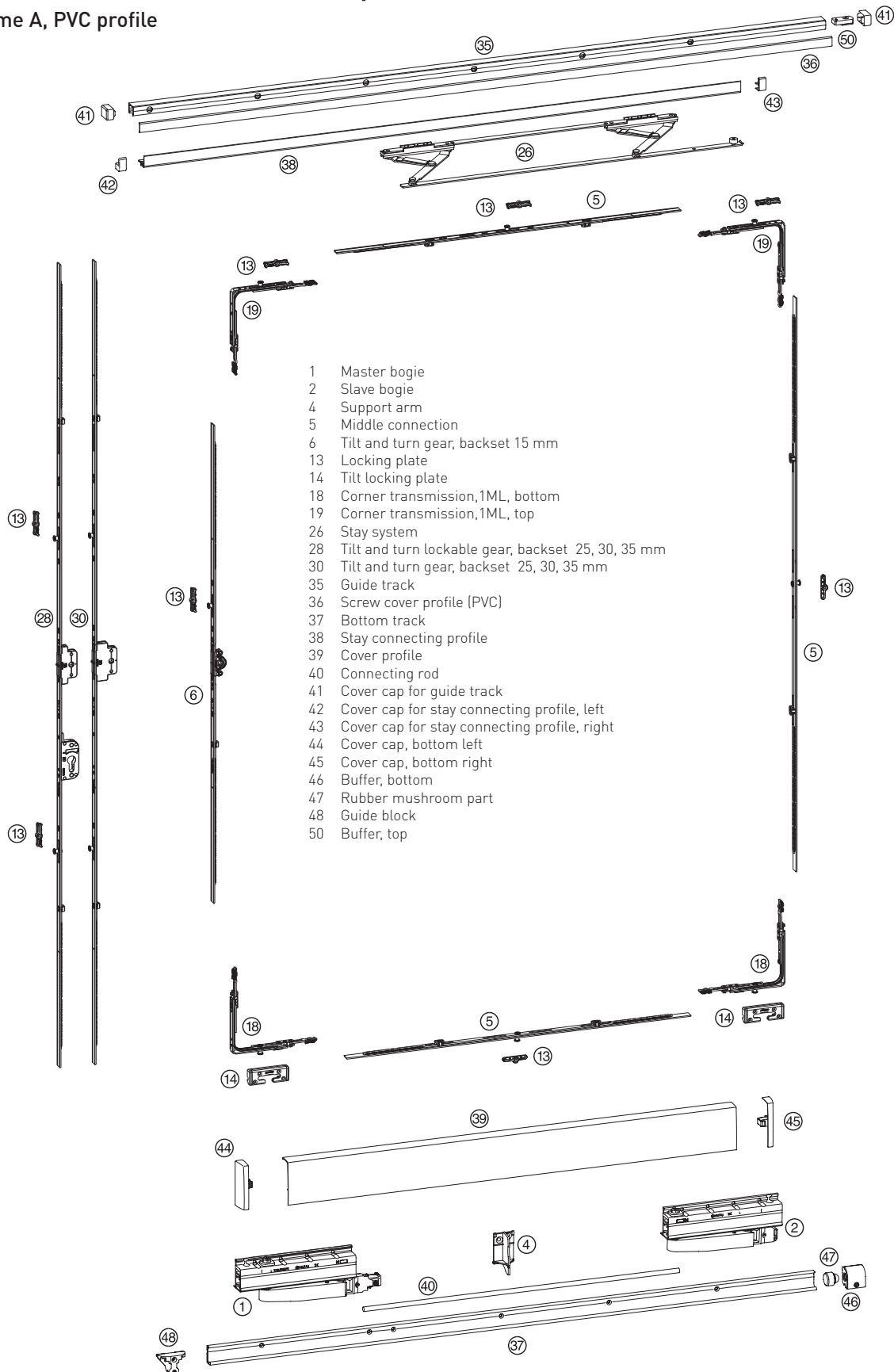
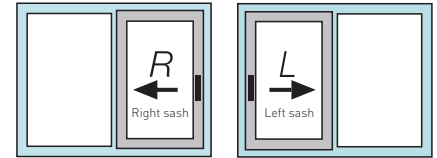


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)



HKS 100 S, Standard, width up to 1250 mm

Scheme A, PVC profile



Item on the pic.		left	right			
1,2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03			
4, 26, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 100 S	FFB	RAB	white	brown	
		620-900	1930	I7004-01-N01	I7004-01-N02	
		901-1050		I7004-02-N01	I7004-02-N02	
		1051-1250		I7004-03-N01	I7004-03-N02	
	The tying-around of a sash (vertical and horizontal locking)	FFB	FFH	Part number		
5	Middle connection L = 520	551-750	-	S4005-05-N03		
	Middle connection L = 720	751-950	-	S4005-07-N03		
	Middle connection L = 1200	951-1430	-	S4005-12-N03		
	Middle connection L = 1680	1431-1910	-	S4005-17-N03		
	Middle connection L = 2160	1911-2390	-	S4005-22-N03		
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03		
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03		
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03		
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03		
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03		
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03		
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03		
13	Locking plate	-	-	<small>(profile-related) see profile overview</small>		
14	Tilt locking plate	-	-	<small>(profile-related) see profile overview</small>		
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03		
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03		
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03		
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03	
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm		-	1431-1910	S1007-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm		-	1911-2390	S1007-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm		-	1431-1910	S1009-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm		-	1911-2390	S1009-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*		-	1431-1910	S1011-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*		-	1911-2390	S1011-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*		-	1431-1910	S1013-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*		-	1911-2390	S1013-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*		-	1431-1910	S1015-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*		-	1911-2390	S1015-21-N03		



HKS 100 S, RC1 (RC1) - RC3 (RC3), width up to 1250 mm

Scheme A, PVC profile

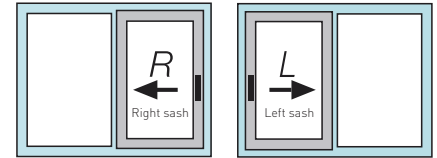


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)



HKS 100 S, RC1 (RC1) - RC3 (RC3)

Scheme A, PVC profile



Item on the pic.		left	right			
1,2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03			
4, 26, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 100 S	FFB	RAB	white	brown	
		620-900	1930	I7004-01-N01	I7004-01-N02	
		901-1050		I7004-02-N01	I7004-02-N02	
		1051-1250		I7004-03-N01	I7004-03-N02	
The tying-around of a sash (vertical and horizontal locking)		FFB	FFH	Part number		
5	Middle connection L = 520	551-750	-	S4005-05-N03		
	Middle connection L = 720	751-950	-	S4005-07-N03		
	Middle connection L = 1200	951-1430	-	S4005-12-N03		
	Middle connection L = 1680	1431-1910	-	S4005-17-N03		
	Middle connection L = 2160	1911-2390	-	S4005-22-N03		
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03		
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03		
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03		
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03		
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03		
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03		
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03		
13	Locking plate	-	-	(profile-related) see profile overview		
14	Tilt locking plate	-	-	(profile-related) see profile overview		
15	Safety lockig plate	-	-	(profile-related) see profile overview		
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03		
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03		
20	Corner transmission, 2ML, bottom	400-1280	450-2390	S2007-00-N03		
21	Corner transmission, 2ML, top	400-1280	450-2390	S2002-00-N03		
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03		
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03	
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm		-	1431-1910	S1007-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm		-	1911-2390	S1007-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm		-	1431-1910	S1009-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm		-	1911-2390	S1009-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*		-	1431-1910	S1011-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*		-	1911-2390	S1011-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*		-	1431-1910	S1013-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*		-	1911-2390	S1013-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*		-	1431-1910	S1015-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*		-	1911-2390	S1015-21-N03		

FFH - sash rebate height (mm)

FFB - sash rebate width (mm)

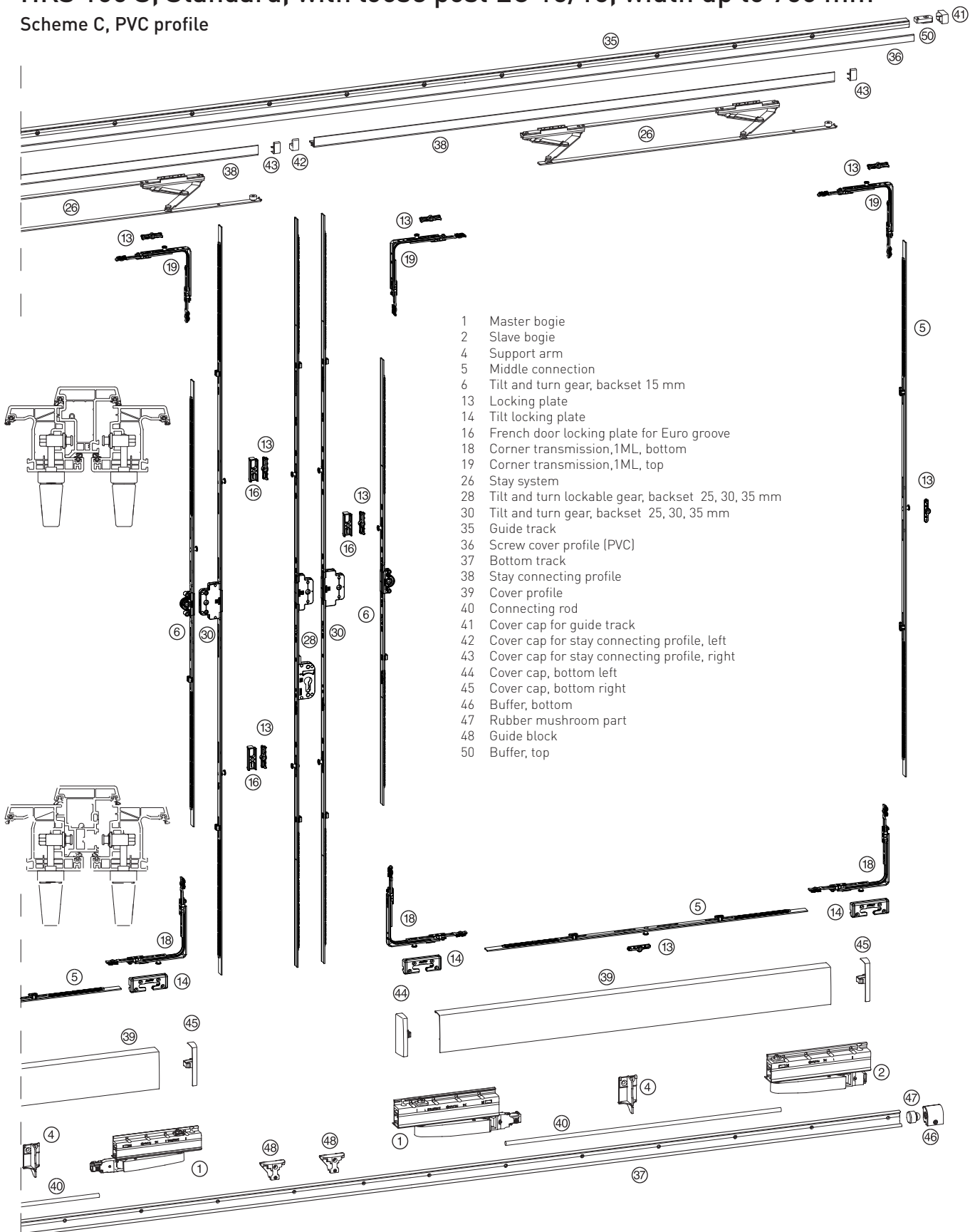
RAB - outside width of frame (mm)

* 2 -side handle



HKS 100 S, Standard, with loose post EG 15/15, width up to 750 mm

Scheme C, PVC profile



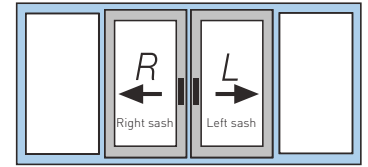
- 1 Master bogie
- 2 Slave bogie
- 4 Support arm
- 5 Middle connection
- 6 Tilt and turn gear, backset 15 mm
- 13 Locking plate
- 14 Tilt locking plate
- 16 French door locking plate for Euro groove
- 18 Corner transmission, 1ML, bottom
- 19 Corner transmission, 1ML, top
- 26 Stay system
- 28 Tilt and turn lockable gear, backset 25, 30, 35 mm
- 30 Tilt and turn gear, backset 25, 30, 35 mm
- 35 Guide track
- 36 Screw cover profile (PVC)
- 37 Bottom track
- 38 Stay connecting profile
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guide track
- 42 Cover cap for stay connecting profile, left
- 43 Cover cap for stay connecting profile, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer, bottom
- 47 Rubber mushroom part
- 48 Guide block
- 50 Buffer, top

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



HKS 100 S, Standard, with loose post EG 15/15, width up to 750 mm 750 mm

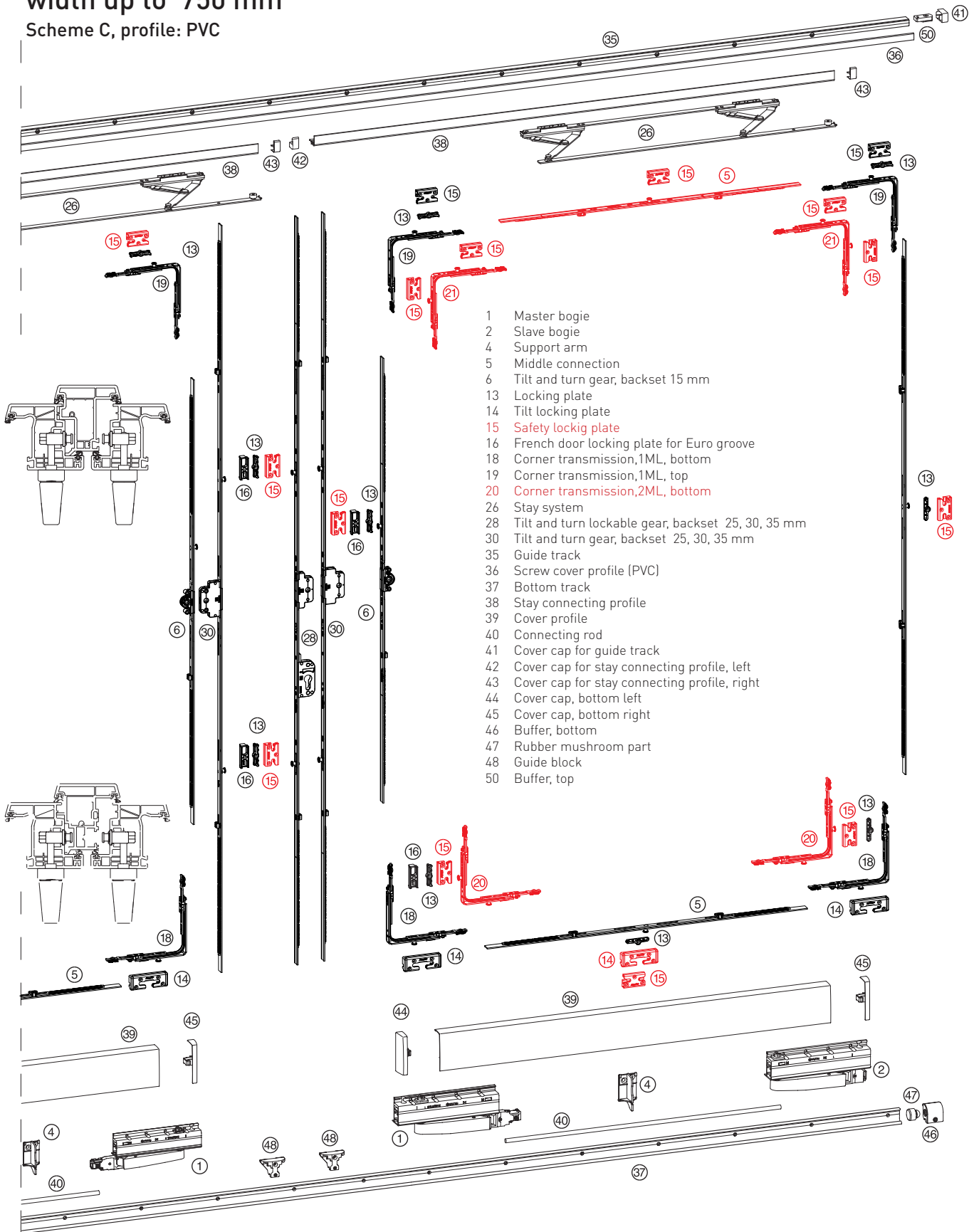
Scheme C, PVC profile



Item on the pic.		left	right		
1,2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03		
4, 26, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 100 S	FFB	RAB	white	brown
		620-900	1930	I7004-01-N01	I7004-01-N02
	The tying-around of a sash (vertical and horizontal locking)	FFB	FFH	Part number	
5	Middle connection L = 520	551-750	-	S4005-05-N03	
	Middle connection L = 720	751-950	-	S4005-07-N03	
	Middle connection L = 1200	951-1430	-	S4005-12-N03	
	Middle connection L = 1680	1431-1910	-	S4005-17-N03	
	Middle connection L = 2160	1911-2390	-	S4005-22-N03	
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03	
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03	
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03	
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03	
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03	
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03	
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03	
13	Locking plate	-	-	(profile-related) see profile overview	
14	Tilt locking plate	-	-	(profile-related) see profile overview	
16	French door locking plate for Euro groove	-	-	A7063-00-N03	
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03	
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03	
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03	
30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm	-	1431-1910	S1007-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm	-	1911-2390	S1007-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm	-	1431-1910	S1009-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm	-	1911-2390	S1009-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*	-	1431-1910	S1011-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*	-	1911-2390	S1011-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*	-	1431-1910	S1013-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*	-	1911-2390	S1013-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*	-	1431-1910	S1015-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*	-	1911-2390	S1015-21-N03	

**HKS 100 S, RC1 (RC1) - RC3 (RC3), with loose post EG 15/15,
 width up to 750 mm**

Scheme C, profile: PVC



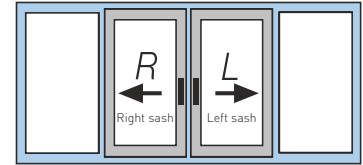
- 1 Master bogie
- 2 Slave bogie
- 4 Support arm
- 5 Middle connection
- 6 Tilt and turn gear, backset 15 mm
- 13 Locking plate
- 14 Tilt locking plate
- 15 Safety lockig plate
- 16 French door locking plate for Euro groove
- 18 Corner transmission, 1ML, bottom
- 19 Corner transmission, 1ML, top
- 20 Corner transmission, 2ML, bottom
- 26 Stay system
- 28 Tilt and turn lockable gear, backset 25, 30, 35 mm
- 30 Tilt and turn gear, backset 25, 30, 35 mm
- 35 Guide track
- 36 Screw cover profile (PVC)
- 37 Bottom track
- 38 Stay connecting profile
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guide track
- 42 Cover cap for stay connecting profile, left
- 43 Cover cap for stay connecting profile, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer, bottom
- 47 Rubber mushroom part
- 48 Guide block
- 50 Buffer, top

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



HKS 100 S, RC1 (RC1) - **RC3 (RC3)**, with loose post EG 15/15

Scheme C, profile: PVC



Item on the pic.		left	right		
1,2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03		
4, 26, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 100 S	FFB	RAB	white	brown
		620-900	1930	I7004-01-N01	I7004-01-N02

	The tying-around of a sash (vertical and horizontal locking)	FFB	FFH	Part number
5	Middle connection L = 520	551-750	-	S4005-05-N03
	Middle connection L = 720	751-950	-	S4005-07-N03
	Middle connection L = 1200	951-1430	-	S4005-12-N03
	Middle connection L = 1680	1431-1910	-	S4005-17-N03
	Middle connection L = 2160	1911-2390	-	S4005-22-N03
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03
13	Locking plate	-	-	(profile-related) see profile overview
14	Tilt locking plate	-	-	(profile-related) see profile overview
15	Safety lockig plate	-	-	(profile-related) see profile overview
16	French door locking plate for Euro groove	-	-	A7063-00-N03
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03
20	Corner transmission, 2ML, bottom	400-1280	450-2390	S2007-00-N03
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03
30	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm	-	1431-1910	S1007-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm	-	1911-2390	S1007-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm	-	1431-1910	S1009-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm	-	1911-2390	S1009-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*	-	1431-1910	S1011-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*	-	1911-2390	S1011-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*	-	1431-1910	S1013-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*	-	1911-2390	S1013-21-N03
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*	-	1431-1910	S1015-16-N03
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*	-	1911-2390	S1015-21-N03



HKS 160 S, Standard, width up to 750 mm

Scheme A, PVC profile

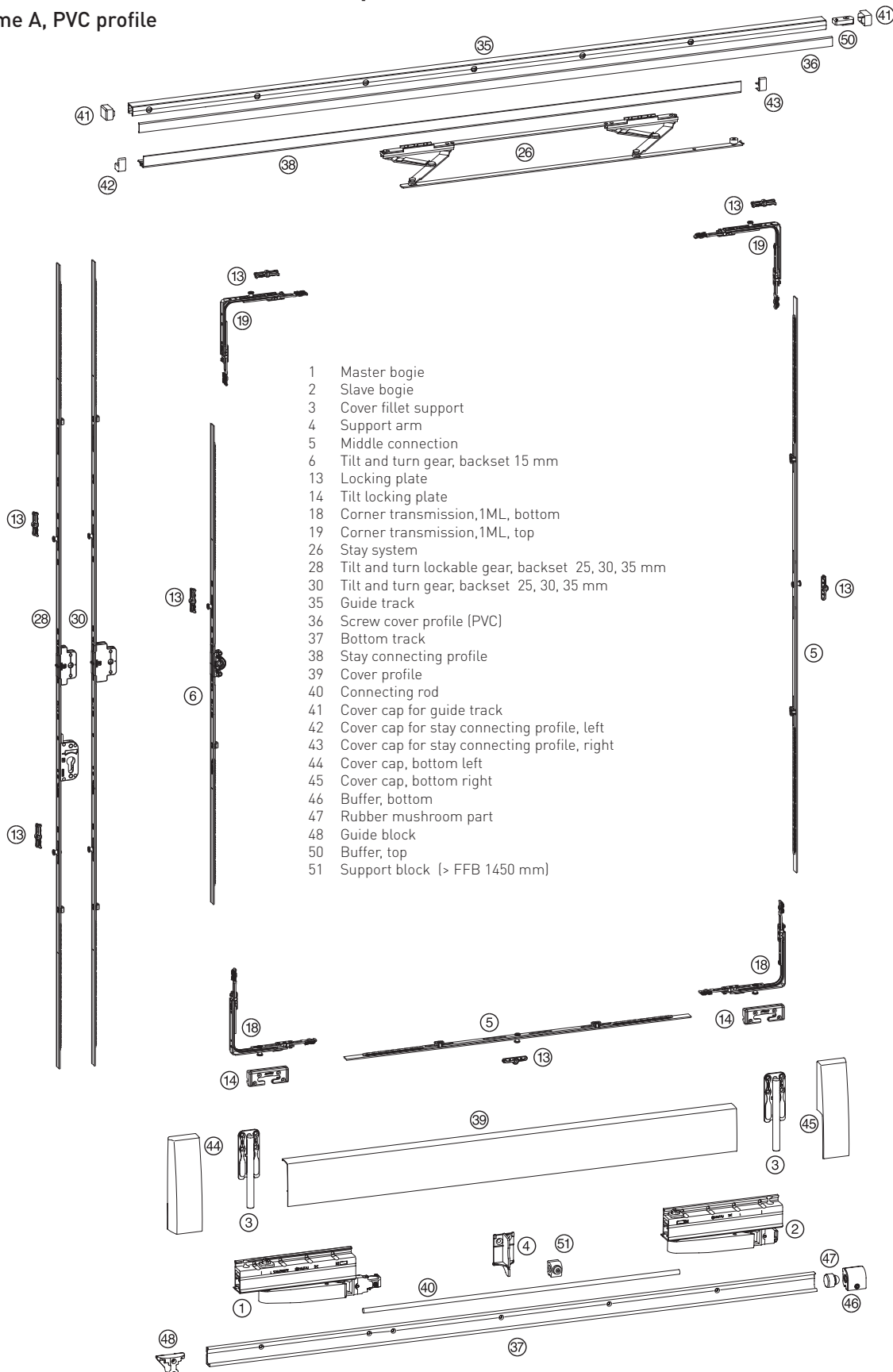
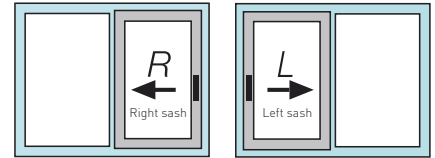


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)



HKS 160 S, Standard, width up to 750 mm

Scheme A, PVC profile



Item on the pic.		left	right				
1, 2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03				
		FFB	RAB	silver	white	brown	medium bronze
3, 44, 45	Cover fillet support HKS 160 S	620-900	1930	I7001-00-N03	I7001-00-N01	I7001-00-N02	I7001-00-N06
4, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 160 S			I7005-01-N03	I7004-01-N01 (stay system set is included)	I7004-01-N02 (stay system set is included)	I7005-01-N06
		FFB		silver	white	brown	medium bronze
26	Stay system	620-900		I3001-16-N03			I3001-16-N03
38, 42, 43	Stay connecting profile set HKS 160 S			I7003-01-N03			I7003-01-N06

The tying-around of a sash (vertical and horizontal locking)		FFB	FFH	Part number	
5	Middle connection L = 520	551-750	-	S4005-05-N03	
	Middle connection L = 720	751-950	-	S4005-07-N03	
	Middle connection L = 1200	951-1430	-	S4005-12-N03	
	Middle connection L = 1680	1431-1910	-	S4005-17-N03	
	Middle connection L = 2160	1911-2390	-	S4005-22-N03	
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03	
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03	
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03	
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03	
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03	
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03	
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03	
13	Locking plate	-	-	(profile-related) see profile overview	
14	Tilt locking plate	-	-	(profile-related) see profile overview	
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03	
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03	
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03	
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm		-	1431-1910	S1007-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm		-	1911-2390	S1007-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm		-	1431-1910	S1009-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm		-	1911-2390	S1009-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*		-	1431-1910	S1011-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*		-	1911-2390	S1011-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*		-	1431-1910	S1013-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*		-	1911-2390	S1013-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*		-	1431-1910	S1015-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*		-	1911-2390	S1015-21-N03	



HKS 160 S, Standard, width up to 1250 mm

Scheme A, PVC profile

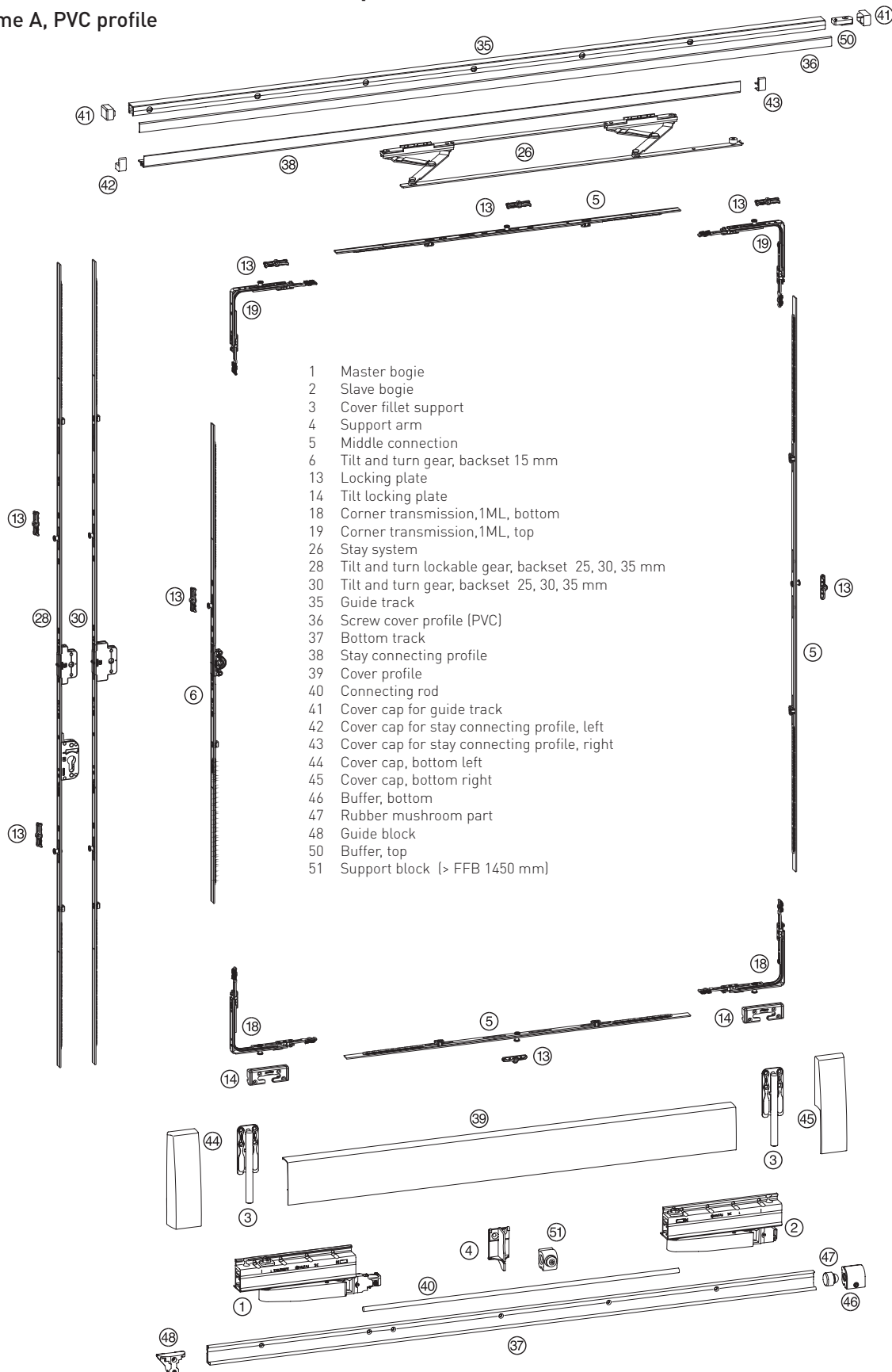
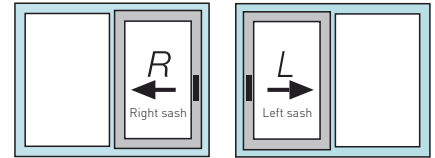


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)



HKS 160 S, Standard, width up to 1250 mm

Item on the pic.		left	right				
1, 2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03				
		FFB	RAB	silver	white	brown	medium bronze
3, 44, 45	Cover fillet support HKS 160 S	620-1650	1930	I7001-00-N03	I7001-00-N01	I7001-00-N02	I7001-00-N06
4, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 160 S	620-900		I7005-01-N03	I7004-01-N01*	I7004-01-N02*	I7005-01-N06
		901-1050	2630	I7005-02-N03	I7004-02-N01*	I7004-02-N02*	I7005-02-N06
		1051-1250		I7005-03-N03	I7004-03-N01*	I7004-03-N02*	I7005-03-N06
		FFB		silver	white	brown	medium bronze
26	Stay system	620-1650		I3001-16-N03			I3001-16-N03
38, 42, 43	Stay connecting profile set HKS 160 S	620-1650		I7003-01-N03			I7003-01-N06



* stay system set is included

	The tying-around of a sash (vertical and horizontal locking)	FFB	FFH	Part number	
5	Middle connection L = 520	551-750	-	S4005-05-N03	
	Middle connection L = 720	751-950	-	S4005-07-N03	
	Middle connection L = 1200	951-1430	-	S4005-12-N03	
	Middle connection L = 1680	1431-1910	-	S4005-17-N03	
	Middle connection L = 2160	1911-2390	-	S4005-22-N03	
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03	
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03	
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03	
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03	
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03	
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03	
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03	
13	Locking plate	-	-	(profile-related) see profile overview	
14	Tilt locking plate	-	-	(profile-related) see profile overview	
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03	
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03	
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03	
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm		-	1431-1910	S1007-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm		-	1911-2390	S1007-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm		-	1431-1910	S1009-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm		-	1911-2390	S1009-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*		-	1431-1910	S1011-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*		-	1911-2390	S1011-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*		-	1431-1910	S1013-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*		-	1911-2390	S1013-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*		-	1431-1910	S1015-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*		-	1911-2390	S1015-21-N03	



HKS 160 S, RC1 (RC1) - RC3 (RC3), width up to 1250 mm

Scheme A, PVC profile

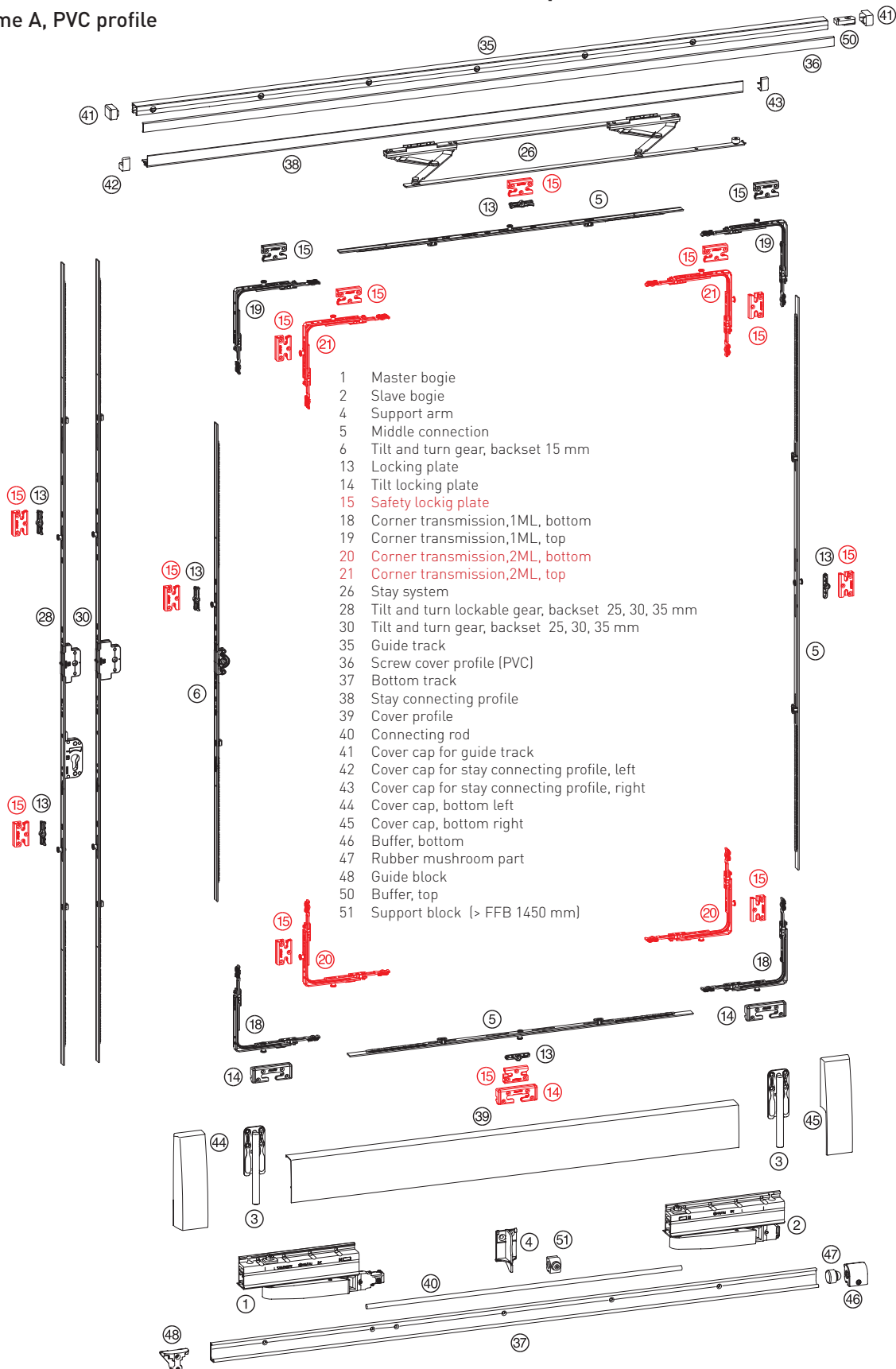
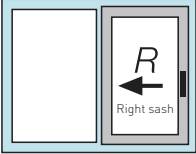
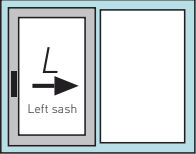


Figure fitting parts = design left (according to DIN EN 12519 opening to the right)



HKS 160 S, RC1 (RC1) - RC3 (RC3)

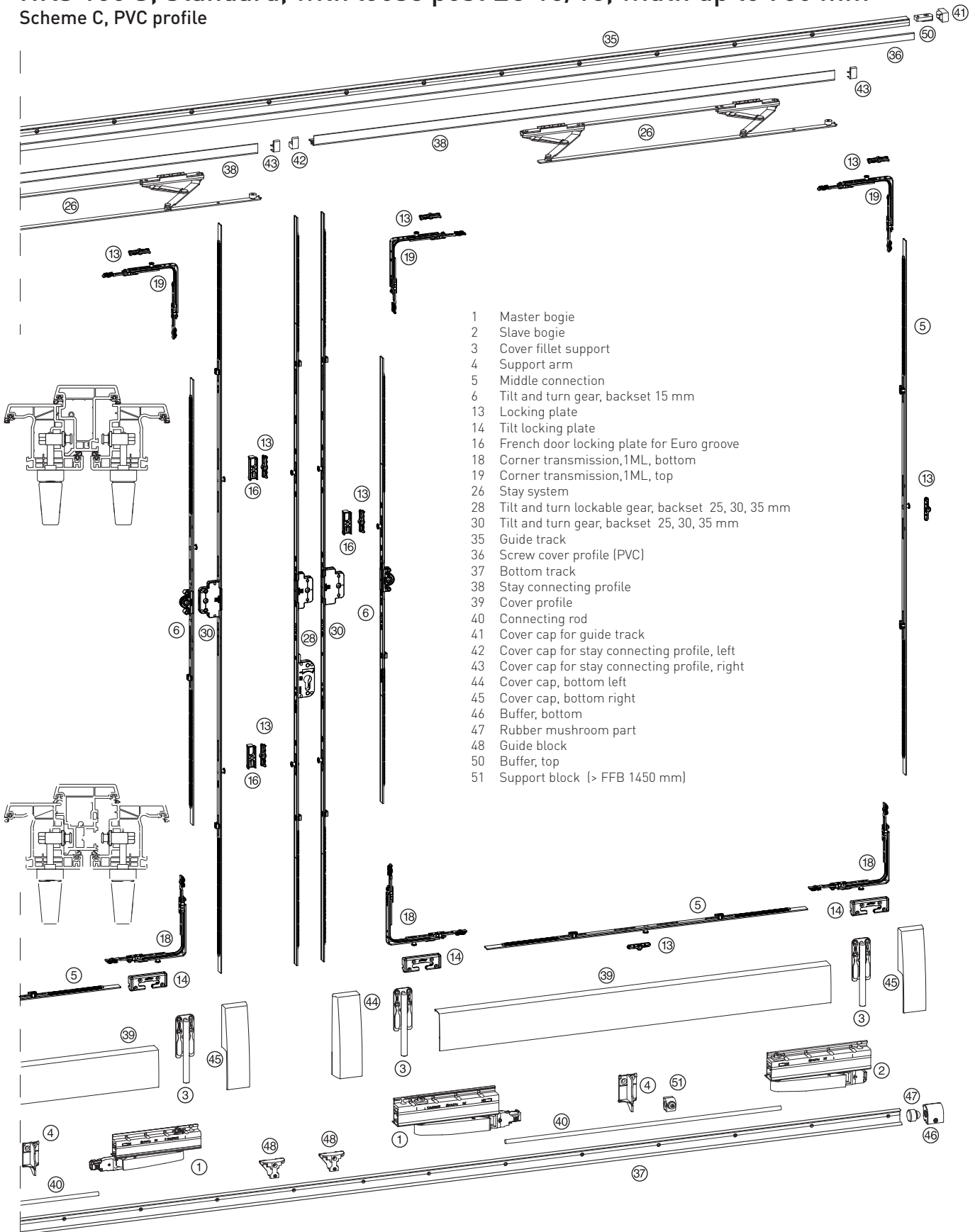
Item on the pic.		left	right				
1, 2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03	 			
		FFB	RAB	silver	white	brown	medium bronze
3, 44, 45	Cover fillet support HKS 160 S	620-1650	1930	I7001-00-N03	I7001-00-N01	I7001-00-N02	I7001-00-N06
4, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 160 S	620-900		I7005-01-N03	I7004-01-N01*	I7004-01-N02*	I7005-01-N06
		901-1050	2630	I7005-02-N03	I7004-02-N01*	I7004-02-N02*	I7005-02-N06
		1051-1250		I7005-03-N03	I7004-03-N01*	I7004-03-N02*	I7005-03-N06
		FFB		silver	white	brown	medium bronze
26	Stay system	620-1650		I3001-16-N03			I3001-16-N03
38, 42, 43	Stay connecting profile set HKS 160 S	620-1650		I7003-01-N03			I7003-01-N06

* stay system set is included

The tying-around of a sash (vertical and horizontal locking)		FFB	FFH	Part number	
5	Middle connection L = 520	551-750	-	S4005-05-N03	
	Middle connection L = 720	751-950	-	S4005-07-N03	
	Middle connection L = 1200	951-1430	-	S4005-12-N03	
	Middle connection L = 1680	1431-1910	-	S4005-17-N03	
	Middle connection L = 2160	1911-2390	-	S4005-22-N03	
6	Gear 0, L=320, 450-550, backset 15 mm	-	450-550	S1001-02-N03	
	Gear 1, L=520, 551-750, backset 15 mm	-	551-750	S1001-04-N03	
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm	-	751-1230	S1001-09-N03	
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm	-	950-1430	S1001-11-N03	
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm	-	1231-1710	S1001-15-N03	
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm	-	1431-1910	S1001-16-N03	
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm	-	1911-2390	S1001-21-N03	
13	Locking plate	-	-	(profile-related) see profile overview	
14	Tilt locking plate	-	-	(profile-related) see profile overview	
15	Safety lockig plate	-	-	(profile-related) see profile overview	
18	Corner transmission, bottom	400-1280	450-2390	S2006-00-N03	
19	Corner transmission standard	400-1280	450-2390	S2001-00-N03	
20	Corner transmission, 2ML, bottom	400-1280	450-2390	S2007-00-N03	
21	Corner transmission, 2ML, top	400-1280	450-2390	S2002-00-N03	
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable	-	1431-1910	S1006-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable	-	1911-2390	S1006-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable	-	1431-1910	S1008-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable	-	1911-2390	S1008-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable	-	1431-1910	S1010-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable	-	1911-2390	S1010-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable	-	1431-1910	S1012-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable	-	1911-2390	S1012-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable	-	1431-1910	S1014-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable	-	1911-2390	S1014-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable	-	1431-1910	S1016-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable	-	1911-2390	S1016-21-N03	
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm	-	1431-1910	S1005-16-N03
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm	-	1911-2390	S1005-21-N03
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm		-	1431-1910	S1007-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm		-	1911-2390	S1007-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm		-	1431-1910	S1009-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm		-	1911-2390	S1009-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*		-	1431-1910	S1011-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*		-	1911-2390	S1011-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*		-	1431-1910	S1013-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*		-	1911-2390	S1013-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*		-	1431-1910	S1015-16-N03	
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*		-	1911-2390	S1015-21-N03	



HKS 160 S, Standard, with loose post EG 15/15, width up to 750 mm
 Scheme C, PVC profile

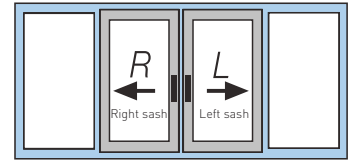


- 1 Master bogie
- 2 Slave bogie
- 3 Cover fillet support
- 4 Support arm
- 5 Middle connection
- 6 Tilt and turn gear, backset 15 mm
- 13 Locking plate
- 14 Tilt locking plate
- 16 French door locking plate for Euro groove
- 18 Corner transmission, 1ML, bottom
- 19 Corner transmission, 1ML, top
- 26 Stay system
- 28 Tilt and turn lockable gear, backset 25, 30, 35 mm
- 30 Tilt and turn gear, backset 25, 30, 35 mm
- 35 Guide track
- 36 Screw cover profile (PVC)
- 37 Bottom track
- 38 Stay connecting profile
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guide track
- 42 Cover cap for stay connecting profile, left
- 43 Cover cap for stay connecting profile, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer, bottom
- 47 Rubber mushroom part
- 48 Guide block
- 50 Buffer, top
- 51 Support block (> FFB 1450 mm)

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

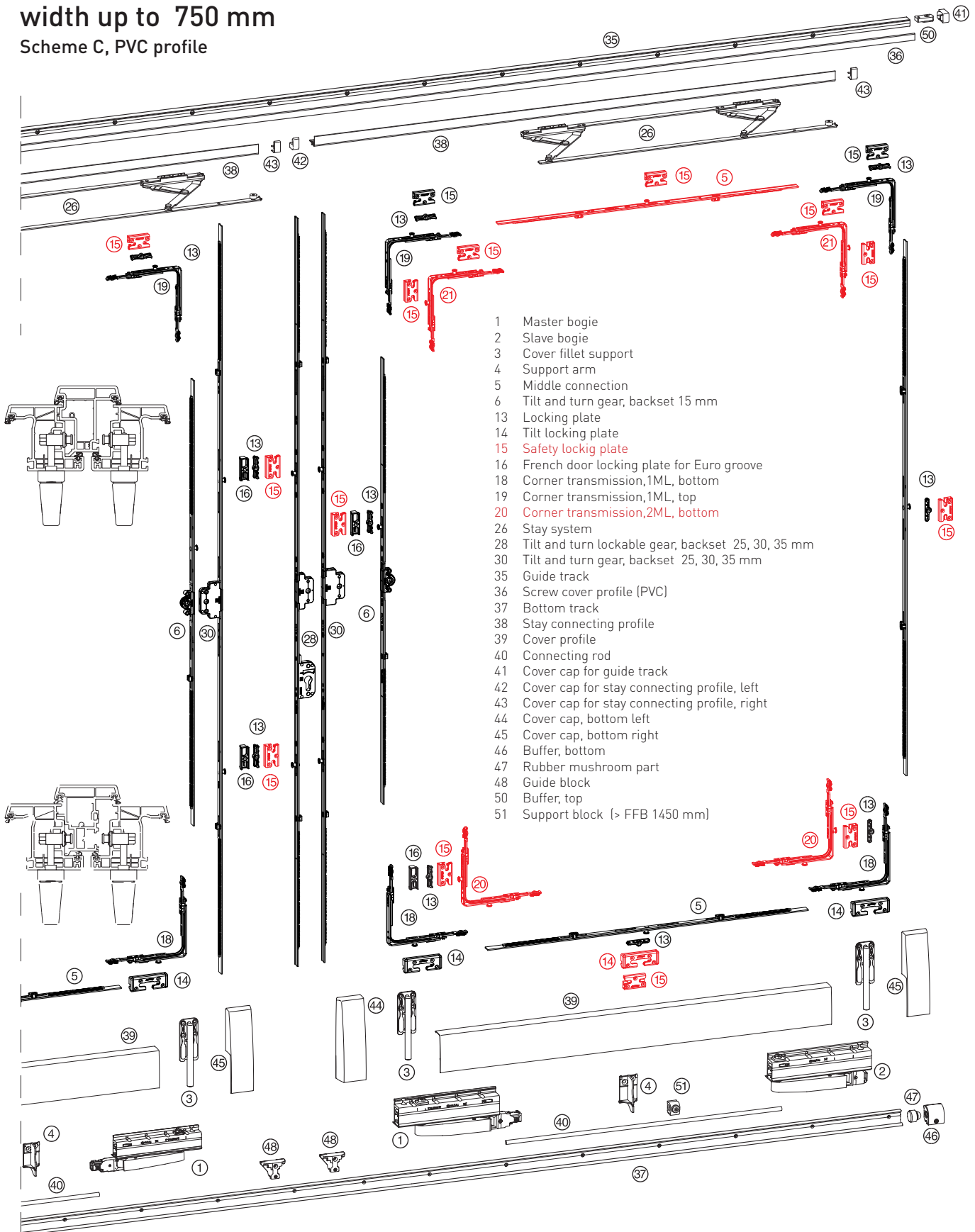


HKS 160 S, Standard, with loose post EG 15/15



Item on the pic.		left	right					
1, 2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03					
		FFB	RAB	silver	white	brown	medium bronze	
3, 44, 45	Cover fillet support HKS 160 S			I7001-00-N03	I7001-00-N01	I7001-00-N02	I7001-00-N06	
4, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 160 S	620-900	1930	I7005-01-N03	I7004-01-N01 (stay system set is included)	I7004-01-N02 (stay system set is included)	I7005-01-N06	
		FFB		silver	white	brown	medium bronze	
26	Stay system	620-900		I3001-16-N03			I3001-16-N03	
38, 42, 43	Stay connecting profile set HKS 160 S			I7003-01-N03			I7003-01-N06	
		The tying-around of a sash (vertical and horizontal locking)		FFB	FFH	Part number		
5	Middle connection L = 520			551-750	-	S4005-05-N03		
	Middle connection L = 720			751-950	-	S4005-07-N03		
	Middle connection L = 1200			951-1430	-	S4005-12-N03		
	Middle connection L = 1680			1431-1910	-	S4005-17-N03		
	Middle connection L = 2160			1911-2390	-	S4005-22-N03		
6	Gear 0, L=320, 450-550, backset 15 mm			-	450-550	S1001-02-N03		
	Gear 1, L=520, 551-750, backset 15 mm			-	551-750	S1001-04-N03		
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm			-	751-1230	S1001-09-N03		
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm			-	950-1430	S1001-11-N03		
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm			-	1231-1710	S1001-15-N03		
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm			-	1431-1910	S1001-16-N03		
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm			-	1911-2390	S1001-21-N03		
13	Locking plate			-	-	[profile-related] see profile overview		
14	Tilt locking plate			-	-	[profile-related] see profile overview		
16	French door locking plate for Euro groove			-	-	A7063-00-N03		
18	Corner transmission, bottom			400-1280	450-2390	S2006-00-N03		
19	Corner transmission standard			400-1280	450-2390	S2001-00-N03		
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable			-	1431-1910	S1006-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable			-	1911-2390	S1006-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable			-	1431-1910	S1008-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable			-	1911-2390	S1008-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable			-	1431-1910	S1010-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable			-	1911-2390	S1010-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable			-	1431-1910	S1012-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable			-	1911-2390	S1012-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable			-	1431-1910	S1014-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable			-	1911-2390	S1014-21-N03		
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable			-	1431-1910	S1016-16-N03		
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable			-	1911-2390	S1016-21-N03		
	30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm			-	1431-1910	S1005-16-N03	
		Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm			-	1911-2390	S1005-21-N03	
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm				-	1431-1910	S1007-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm				-	1911-2390	S1007-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm				-	1431-1910	S1009-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm				-	1911-2390	S1009-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*				-	1431-1910	S1011-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*				-	1911-2390	S1011-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*				-	1431-1910	S1013-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*				-	1911-2390	S1013-21-N03		
Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*				-	1431-1910	S1015-16-N03		
Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*				-	1911-2390	S1015-21-N03		

HKS 160 S, RC1 (RC1) - RC3 (RC3), with loose post EG 15/15,
 width up to 750 mm
 Scheme C, PVC profile



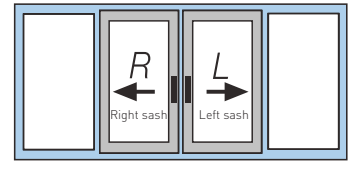
- 1 Master bogie
- 2 Slave bogie
- 3 Cover fillet support
- 4 Support arm
- 5 Middle connection
- 6 Tilt and turn gear, backset 15 mm
- 13 Locking plate
- 14 Tilt locking plate
- 15 Safety locking plate
- 16 French door locking plate for Euro groove
- 18 Corner transmission, 1ML, bottom
- 19 Corner transmission, 1ML, top
- 20 Corner transmission, 2ML, bottom
- 26 Stay system
- 28 Tilt and turn lockable gear, backset 25, 30, 35 mm
- 30 Tilt and turn gear, backset 25, 30, 35 mm
- 35 Guide track
- 36 Screw cover profile (PVC)
- 37 Bottom track
- 38 Stay connecting profile
- 39 Cover profile
- 40 Connecting rod
- 41 Cover cap for guide track
- 42 Cover cap for stay connecting profile, left
- 43 Cover cap for stay connecting profile, right
- 44 Cover cap, bottom left
- 45 Cover cap, bottom right
- 46 Buffer, bottom
- 47 Rubber mushroom part
- 48 Guide block
- 50 Buffer, top
- 51 Support block (> FFB 1450 mm)

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



HKS 160 S, RC1 (RC1) - RC3 (RC3)


Item on the pic.		left	right				
1, 2	Bogies kit HKS 100 S	I7002-00-L03	I7002-00-R03				
3, 44, 45	Cover fillet support HKS 160 S	FFB	RAB	silver	white	brown	medium bronze
4, 35, 36, 37, 39, 40, 41, 46, 47, 48, 50	Profile set + stay system HKS 160 S	620-900	1930	I7001-00-N03	I7001-00-N01	I7001-00-N02	I7001-00-N06
				I7005-01-N03	I7004-01-N01 (stay system set is included)	I7004-01-N02 (stay system set is included)	I7005-01-N06
26	Stay system	620-900		I3001-16-N03			I3001-16-N03
38, 42, 43	Stay connecting profile set HKS 160 S			I7003-01-N03			I7003-01-N06
	The tying-around of a sash (vertical and horizontal locking)			FFB	FFH	Part number	
5	Middle connection L = 520			551-750	-	S4005-05-N03	
	Middle connection L = 720			751-950	-	S4005-07-N03	
	Middle connection L = 1200			951-1430	-	S4005-12-N03	
	Middle connection L = 1680			1431-1910	-	S4005-17-N03	
	Middle connection L = 2160			1911-2390	-	S4005-22-N03	
6	Gear 0, L=320, 450-550, backset 15 mm			-	450-550	S1001-02-N03	
	Gear 1, L=520, 551-750, backset 15 mm			-	551-750	S1001-04-N03	
	Gear 2, L=1000, 751-1230, 1 ML, backset 15 mm			-	751-1230	S1001-09-N03	
	Gear 3, L=1200, 950-1430, 1 ML, backset 15 mm			-	950-1430	S1001-11-N03	
	Gear 4, L=1480, 1231-1710, 2 ML, backset 15 mm			-	1231-1710	S1001-15-N03	
	Gear 5, L=1680, 1431-1910, 2 ML, backset 15 mm			-	1431-1910	S1001-16-N03	
	Gear 6, L=2160, 1911-2390, 3 ML, backset 15 mm			-	1911-2390	S1001-21-N03	
13	Locking plate			-	-	(profile-related) see profile overview	
14	Tilt locking plate			-	-	(profile-related) see profile overview	
15	Safety lockig plate			-	-	(profile-related) see profile overview	
16	French door locking plate for Euro groove			-	-	A7063-00-N03	
18	Corner transmission, bottom			400-1280	450-2390	S2006-00-N03	
19	Corner transmission standard			400-1280	450-2390	S2001-00-N03	
20	Corner transmission, 2ML, bottom			400-1280	450-2390	S2007-00-N03	
28	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm, lockable			-	1431-1910	S1006-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm, lockable			-	1911-2390	S1006-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm, lockable			-	1431-1910	S1008-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm, lockable			-	1911-2390	S1008-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm, lockable			-	1431-1910	S1010-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm, lockable			-	1911-2390	S1010-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*, lockable			-	1431-1910	S1012-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*, lockable			-	1911-2390	S1012-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*, lockable			-	1431-1910	S1014-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*, lockable			-	1911-2390	S1014-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*, lockable			-	1431-1910	S1016-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*, lockable			-	1911-2390	S1016-21-N03	
30	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm			-	1431-1910	S1005-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm			-	1911-2390	S1005-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm			-	1431-1910	S1007-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm			-	1911-2390	S1007-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm			-	1431-1910	S1009-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm			-	1911-2390	S1009-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 25 mm*			-	1431-1910	S1011-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 25 mm*			-	1911-2390	S1011-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 30 mm*			-	1431-1910	S1013-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 30 mm*			-	1911-2390	S1013-21-N03	
	Gear variable L= 1610, 1431-1910, 2 ML, backset 35 mm*			-	1431-1910	S1015-16-N03	
	Gear variable L= 2090, 1911-2390, 3 ML, backset 35 mm*			-	1911-2390	S1015-21-N03	




Profile name	B	Locking plate	Safety locking plate	Tilt safety locking plate
ALUPLAST IDEAL 2000	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
BROKELMANN 58	13	A7034-13-N00	S6005-13-N03	S6006-13-N03
BROKELMANN 70	13	A7012-13-N03	S6005-13-N03	S6006-13-N03
DECEUNINCK	13	A7044-13-N03	S6012-13-N03	S6013-13-N03
GEALAN	13	A7042-13-N03	S6014-13-N03	S6022-13-L/R03
GEALAN 9000N		A7066-13-N03		
KBE 58/9	9	A7013-09-N03	S6003-09-N03	S6004-09-N03
KBE 58/9 Plus	9	A7043-09-N03	S6003-09-N03	S6004-09-N03
KBE 58/13	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
KONING 70	13	A7012-13-N03	S6005-13-N03	S6006-13-N03
MIROPLAST WDS 400	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
MIROPLAST WDS 404	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
MIROPLAST WDS 505	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
MIROPLAST WDS 800	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
REHAU BASIC DESIGN	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
REHAU BRILLANT DESIGN	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
REHAU CLIMA DESIGN	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
REHAU THERMO DESIGN	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
SALAMANDER DESIGN 2D	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
SALAMANDER DESIGN 3D	13	A7012-13-N03	S6001-13-N03	S6002-13-N03
VEKA SOFTLINE 58	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
VEKA SOFTLINE 70	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
VEKA TOPLINE AD	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
WINTTECH 532 (ISOTECH)	13	A7011-13-N03	S6007-13-N03	S6008-13-N03
WINTTECH 632	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
WINTTECH 742	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
WINTTECH 752	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
WINTTECH 80	13	A7011-13-N03	S6001-13-N03	S6002-13-N03
French door locking plate for Euro groove		A7063-00-N03		



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