

EN **Tilt&Turn window central locking system, basic security**
Installation instructions

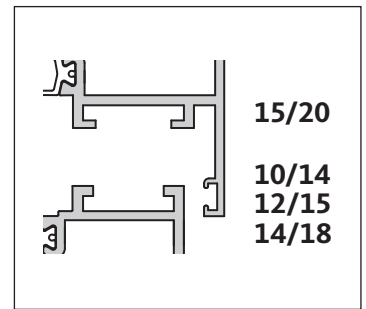
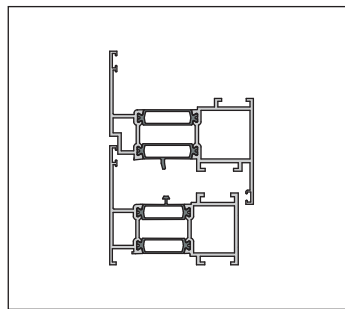
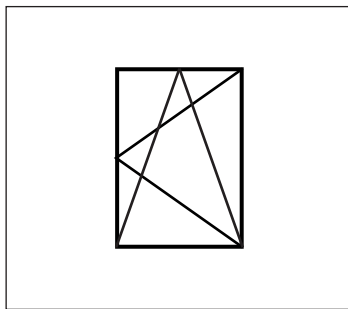


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1. Supplementary documents






- Installation instructions, face-fixed hinge-side ALU-JET 610 0-48087
- Installation instructions, concealed hinge-side ALU-JET CC610 0-47136

2. Symbols and abbreviations

Abbreviations

T&T	Tilt&Turn
IG	Insertable gear
SW	Sash width
M.D.	Mishandling device
SH	Sash height
HH	Handle height
HP	Hole pattern for geared turn handle
C-L	Centre-lock

Symbols

-  Size x Hexagon socket with size x
-  PHx Phillips screwdriver size x
-  Grease all locking points and sliding points with an acid-free lubricant which is not prone to gumming.

3. Notes

ATTENTION

Observe the product information in the GU order catalogue and the installation instructions of the hinge-side used and corresponding application diagrams.

ATTENTION

Please consider the system manufacturer's product information, especially information on profile design and machining, max. sash dimensions, max. sash weights and material qualities (e.g. linear profile expansion)!

NOTE

The specified fixing type is a recommendation based on our experience. Observe the TBDK, VHBE and VHBH directives of the German Quality Assurance Association for Locks and Hardware (D-42551 Velbert, Germany).

! WARNING

The responsibility for the secure fastening of hardware components lies with the window and balcony-door fabricator!

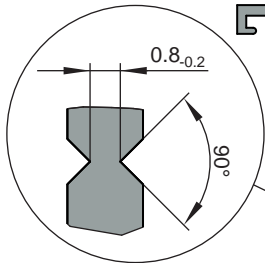
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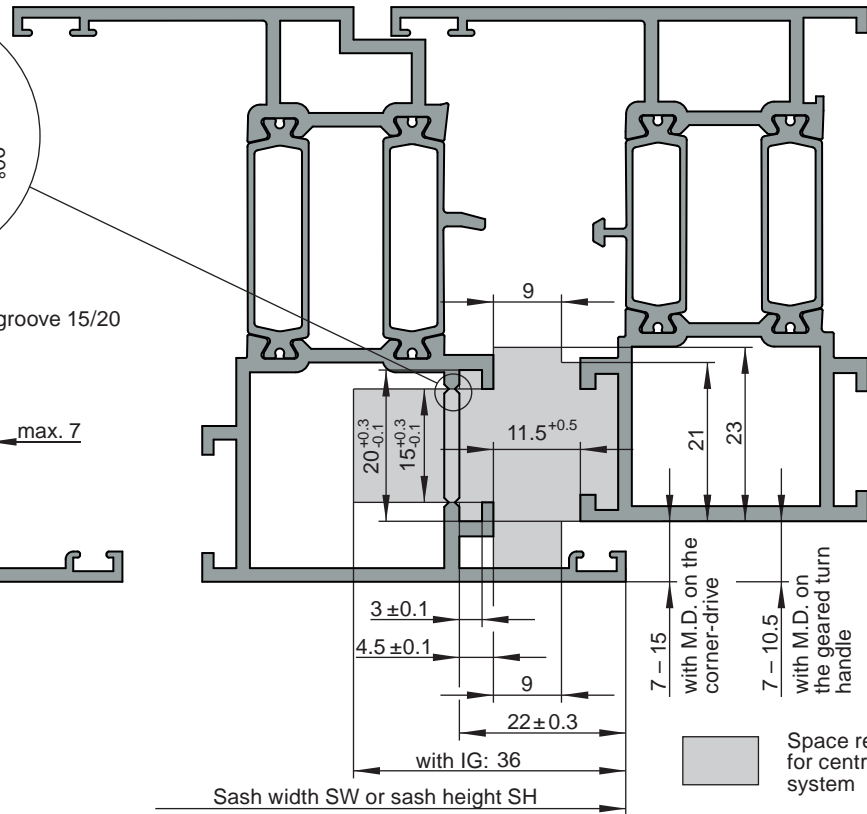
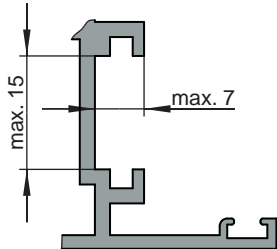


4. Installation dimensions

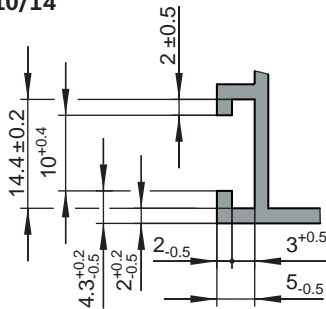
Required if the profile is machined for IG using punches.



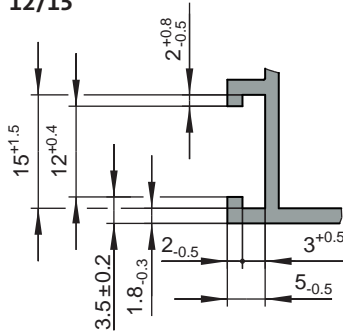
Deepened Euro-groove 15/20



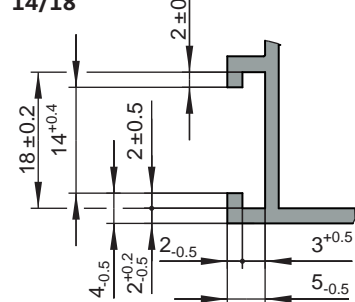
Frame groove 10/14



Frame groove 12/15



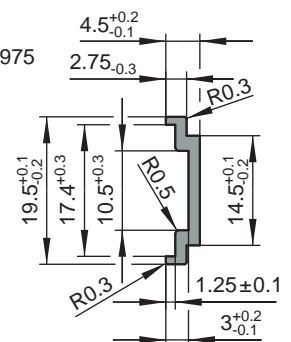
Frame groove 14/18



Application range of central locking system

Sash width SW 410–1700 mm
Sash height SH 500–2800 mm

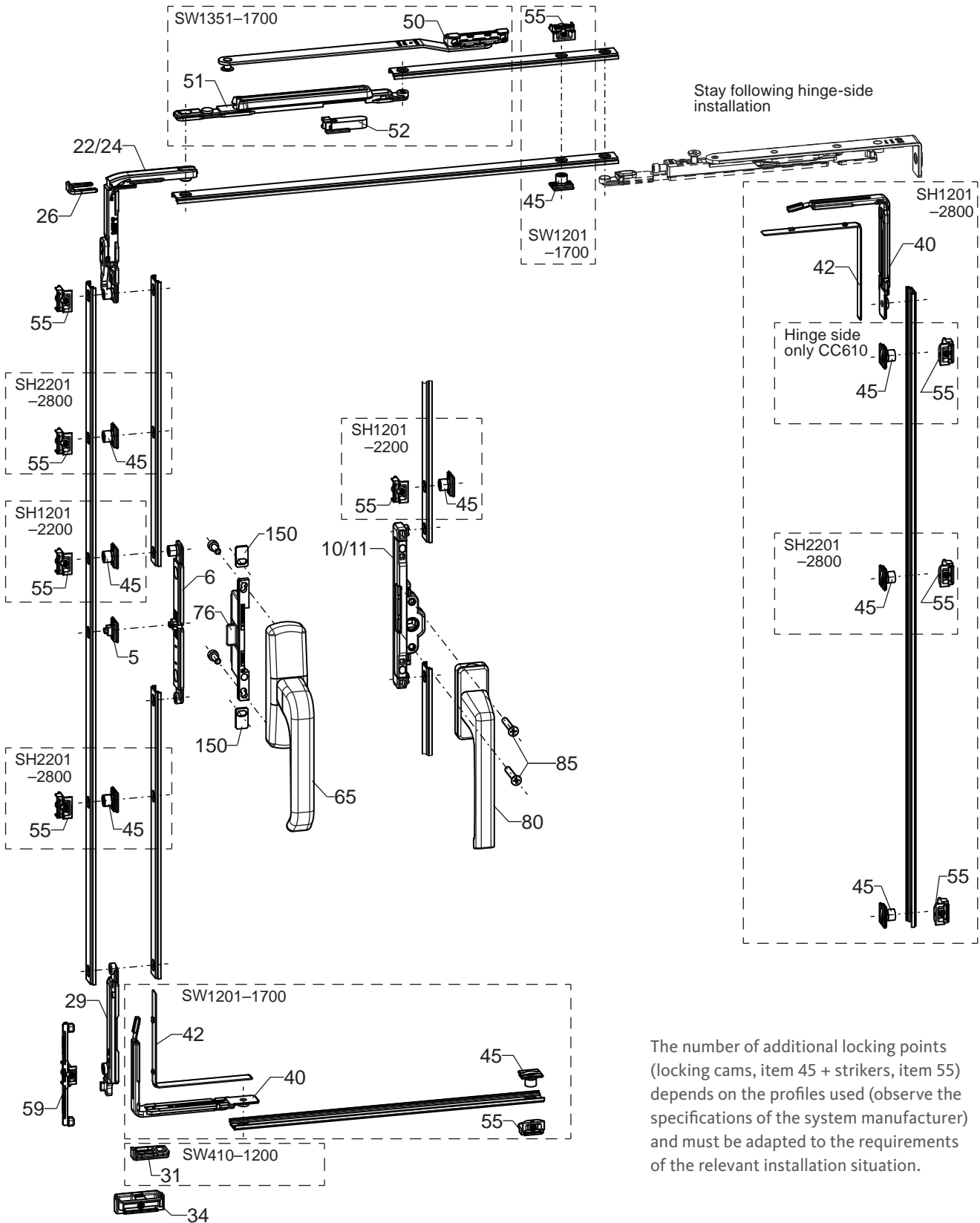
Connecting rod P-01975 or equivalent



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5. Hardware overview



The number of additional locking points (locking cams, item 45 + strikers, item 55) depends on the profiles used (observe the specifications of the system manufacturer) and must be adapted to the requirements of the relevant installation situation.


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6. Hardware combination

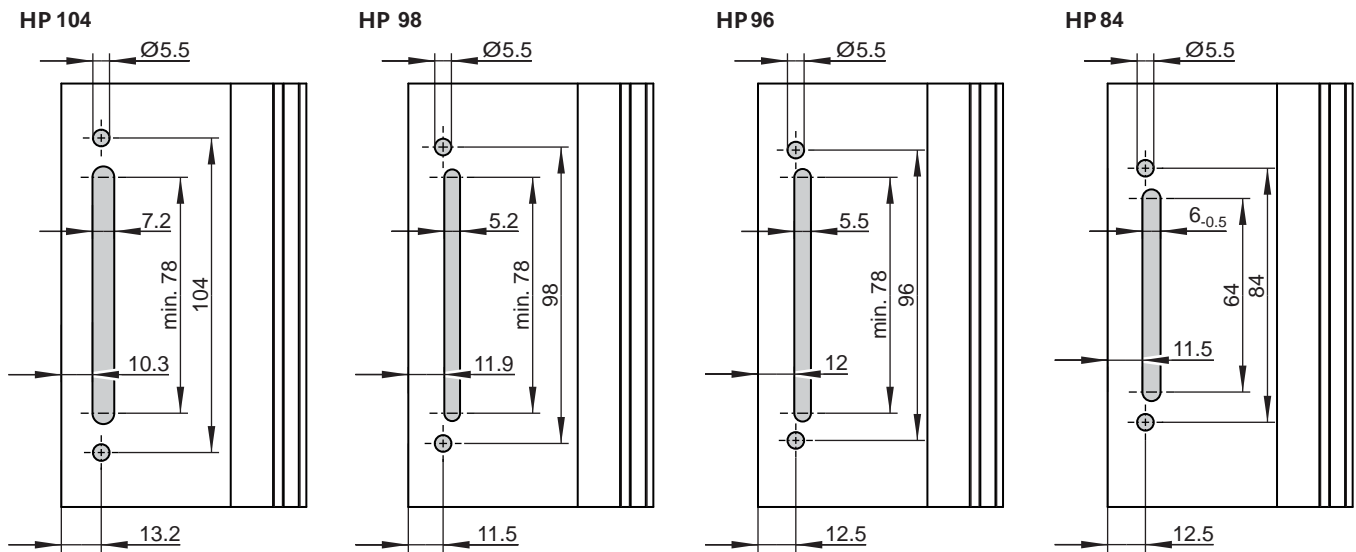
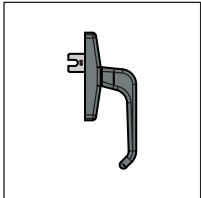
Item	Description	Order no.	Qty. in K-set	Quantity									
				SW 410-1200			SW 1201-1350			SW 1351-1700			
				SH 500-1200	SH 1201-2200	SH 2201-2800	SH 860-1200	SH 1201-2200	SH 2201-2800	SH 960-1200	SH 1201-2200	SH 2201-2800	
T&T set, central locking system		K-19054-00-0		1	1	1	1	1	1	1	1	1	
5	Connector	6-37090-00-0	1	1	1	1	1	1	1	1	1	1	
22	Corner-drive with M.D.	6-37120-00-0	1	1	1	1	1	1	1	1	1	1	
26	Clamping bracket	9-48157-00-0	1	1	1	1	1	1	1	1	1	1	
29	T&T tilter	6-37258-00-0	1	1	1	1	1	1	1	1	1	1	
31	Run-up block, sash	9-40404-00-0	1	1	1	1	-	-	-	-	-	-	
34	T&T tilt-pivot	6-37441-00-0	1	1	1	1	1	1	1	1	1	1	
40	Corner drive CL	6-37266-00-0		-	1	1	1	2	2	1	2	2	
42	Packer for corner-drive CL (only with deepened groove, for application see page 9)	9-48466-00-0		-	1	1	1	2	2	1	2	2	
45	Locking cam	with hinge-side 610	6-37111-00-0	-	2	4	2	4	6	2	4	6	
		with hinge-side CC610		-	3	5	2	5	7	2	5	7	
		with hinge-side 610, connector item 6		-	1	4	2	3	6	2	3	6	
		with hinge-side CC610, connector item 6		-	2	5	2	4	7	2	4	7	
Set of additional stays		K-19013-00-0		-	-	-	-	-	-	1	1	1	
50	Stay-arm, additional stay	6-37840-00-0	1	-	-	-	-	-	-	1	1	1	
51	Stay-guide, additional stay	6-37841-00-0	1	-	-	-	-	-	-	1	1	1	
52	Opening restrictor (only with hinge-side 610)	6-38803-00-0	1	-	-	-	-	-	-	1	1	1	
55	Striker	with hinge-side 610 for A=2.0 *	6-37261-01-0		1	3	5	3	5	7	3	5	7
		with hinge-side 610 for A=1.5 *	6-37261-02-0										
		with hinge-side CC610 for A=2.0 *	6-37261-01-0										
		with hinge-side CC610 for A=1.5 *	6-37261-02-0										
59	T&T striker	for A=2.0 *	6-37272-01-0		1	1	1	1	1	1	1	1	1
		for A=1.5 *	6-37272-02-0										
65	SPACIO geared turn handle with screws	HP 96/104	G-46551-96-0		1	1	1	1	1	1	1	1	1
		HP 84/98	G-46551-00-0										
Alternative to item 22:													
76	Mishandling device	HP 96/104	6-31065-40-0		1	1	1	1	1	1	1	1	1
		HP 84/98	6-31065-10-0										
Corner-drive without M.D.		K-19774-00-0		1	1	1	1	1	1	1	1	1	
24	Corner-drive without M.D. (only with item 76 or 11)	6-37264-00-0	1	1	1	1	1	1	1	1	1	1	
26	Clamping bracket	9-48157-00-0	1	1	1	1	1	1	1	1	1	1	
Alternative to item 5:													
6	Connector for divided connecting rod	6-37257-00-0		1	1	1	1	1	1	1	1	1	
Alternative to item 5 and item 65:													
10	Insertable gear w/o M.D.	6-39385-00-0		1	1	1	1	1	1	1	1	1	
11	Insertable gear with M.D.	6-39384-00-0		1	1	1	1	1	1	1	1	1	
80	DIRIGENT-F turn handle	6-28072-25-0		1	1	1	1	1	1	1	1	1	
85	Countersunk screw M5x30	9-13255-30-0		2	2	2	2	2	2	2	2	2	
Accessories:													
150	Packer plate for geared turn handle **	9-50091-00-0		2	2	2	2	2	2	2	2	2	

* Dimension A:  ** for reinforcement of the sash overlap. Recommended for larger, heavier sashes.

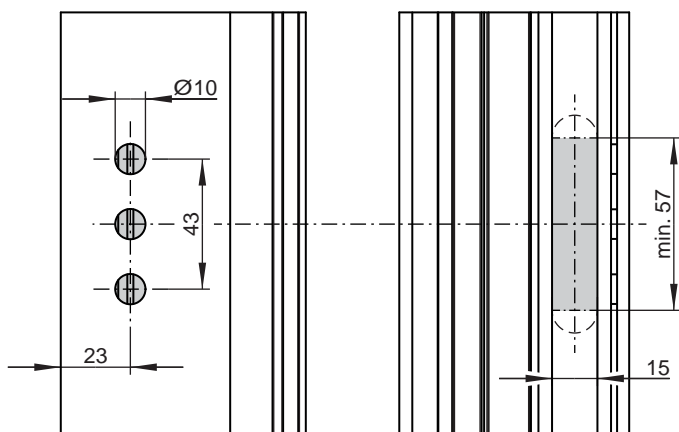
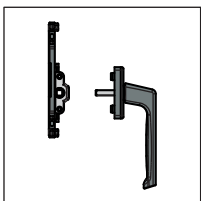
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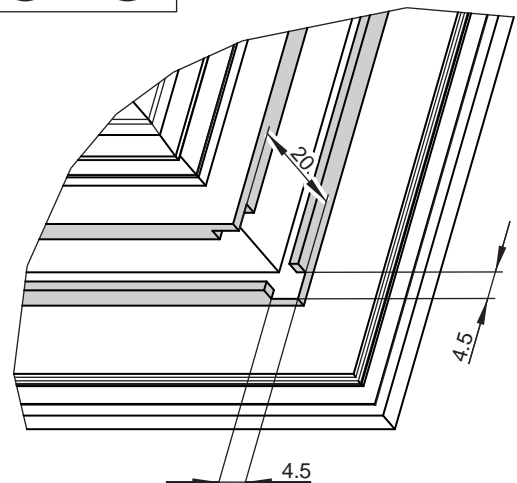
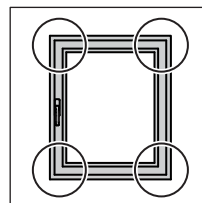
7. Machining of profile



Punching tool for HP 104:
6-31957-00-0-0



Punching tool: e.g. Reiplinger, Type GLS
www.reiplinger.com



Punching tool: 6-31957-00-0-0

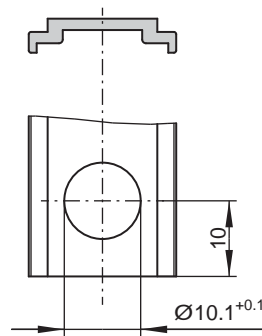
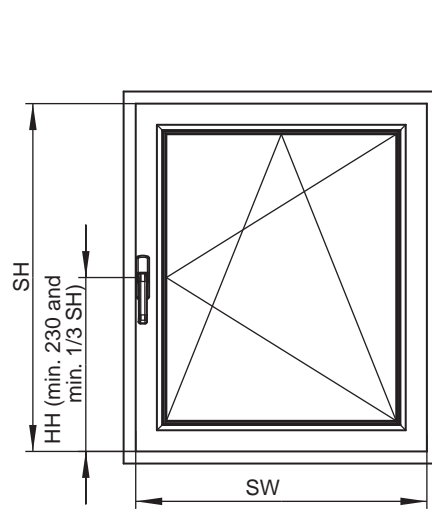
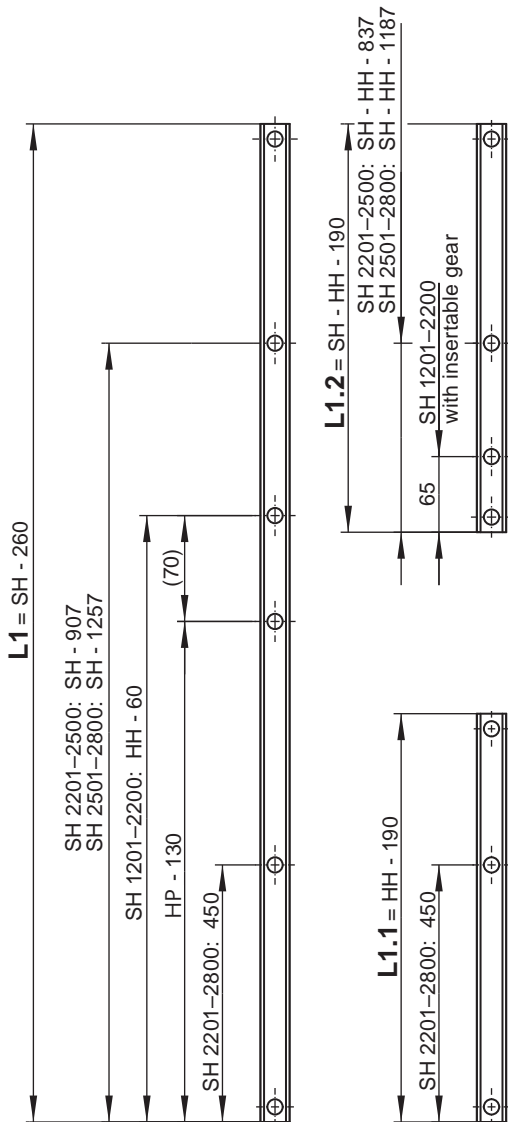
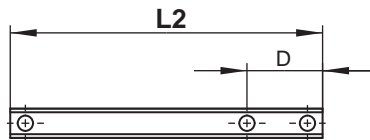
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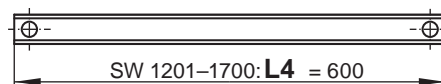
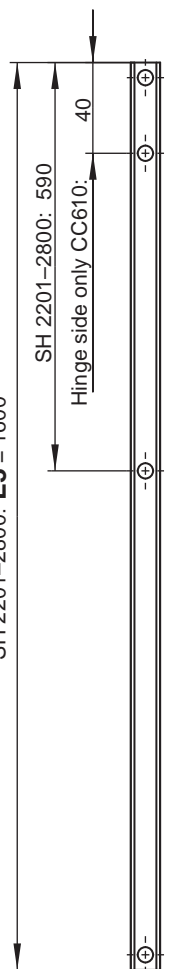
8. Dimensions of connecting rods

Hinge-side	SW	L2	D
610	410 - 700	SW - 355	-
	701 - 1000	SW - 538	-
	1001 - 1200	SW - 788	-
	1201 - 1350	SW - 788	49
	1351 - 1700	SW - 738	299
CC610	500 - 700	SW - 460	-
	701 - 1200	SW - 605	-
	1201 - 1350	SW - 605	232
	1351 - 1600	SW - 805	232



Punching tool: 6-39858-00-0
Stop rail: 6-39859-00-0

SH 1201-1700: L3 = 600
SH 1701-2200: L3 = 950
SH 2201-2800: L3 = 1600



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9. Installation on sash

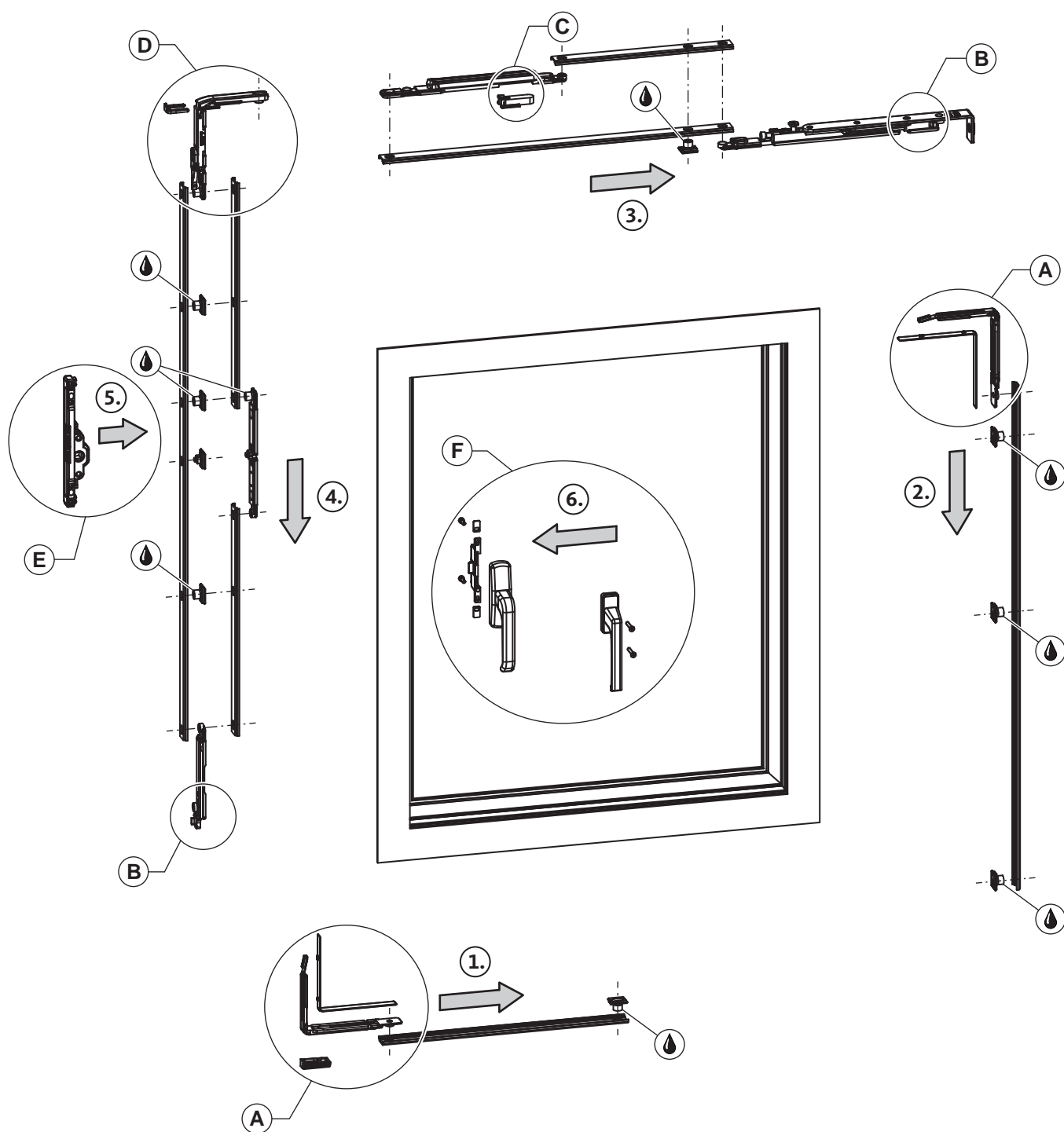


9.1 Overview

Installation sequence:

1. - 6.

Details (A) - (F) see page 9-11



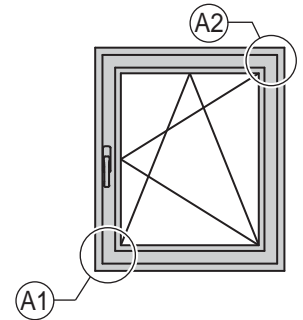
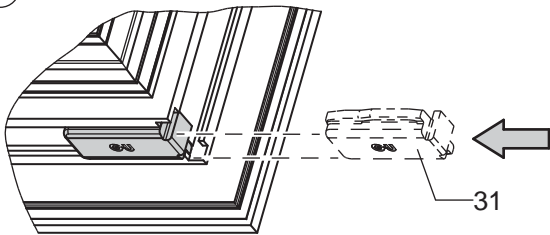
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9.2 Details

(A1) SW 410-1200

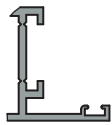


(A1) SW 1201-1700

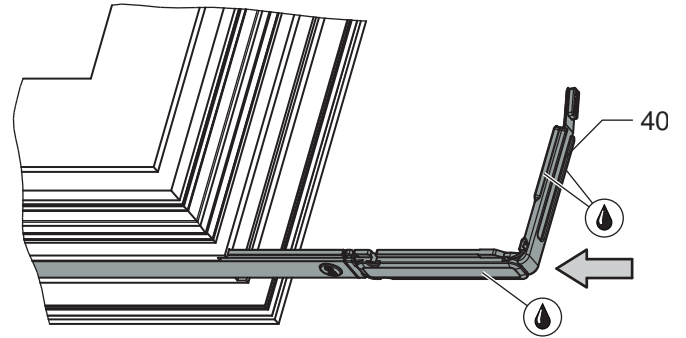
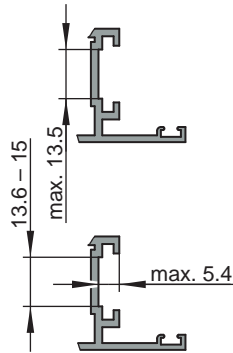
(A2) SH 1201-2800



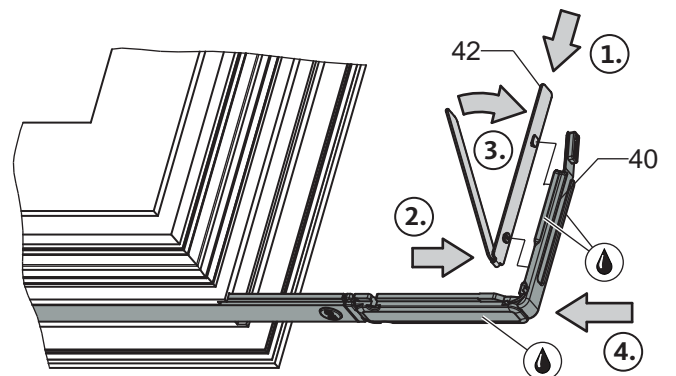
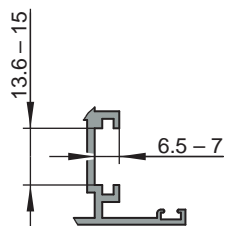
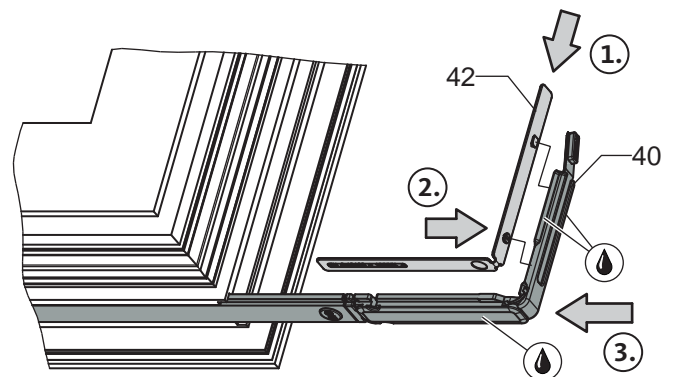
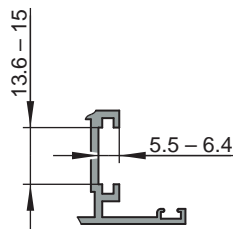
with Euro-groove 15/20 (not deepened)



with deepened Euro-groove 15/20 with the dimensions:



with deepened Euro-groove 15/20 with the dimensions:



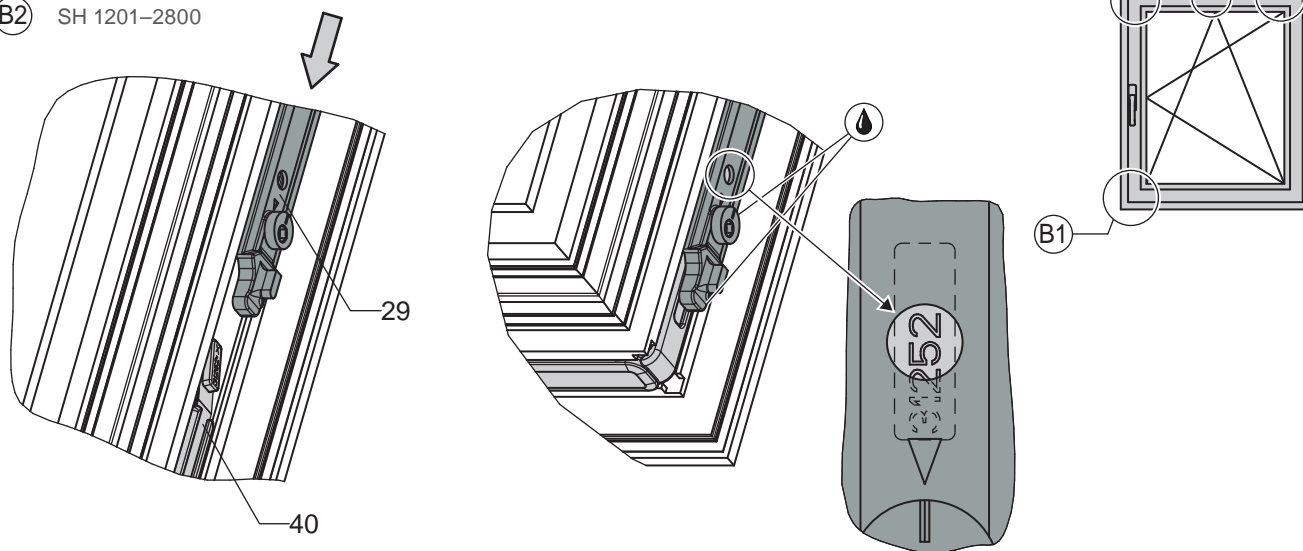
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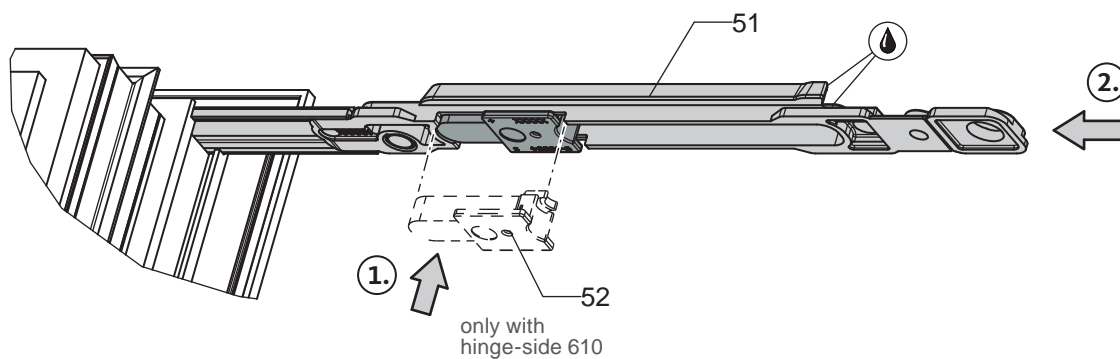


(B1) SW 1201-1700

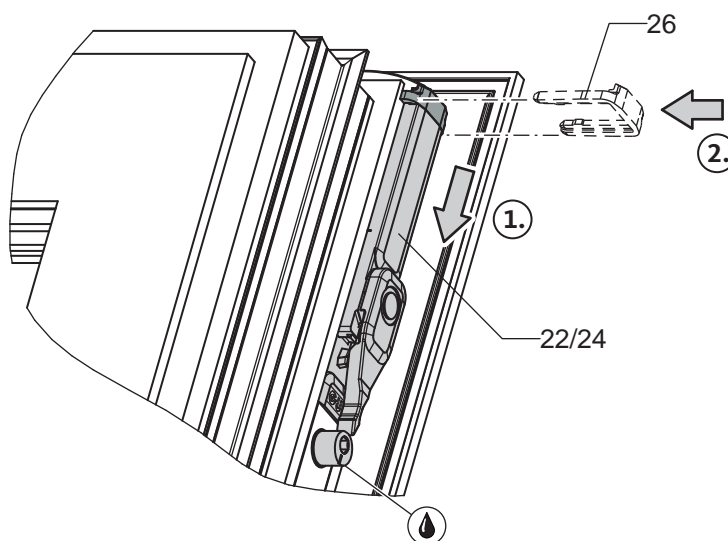
(B2) SH 1201-2800



(C) SW 1351-1700

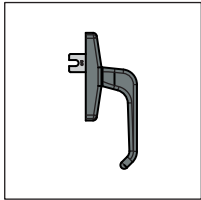


(D)

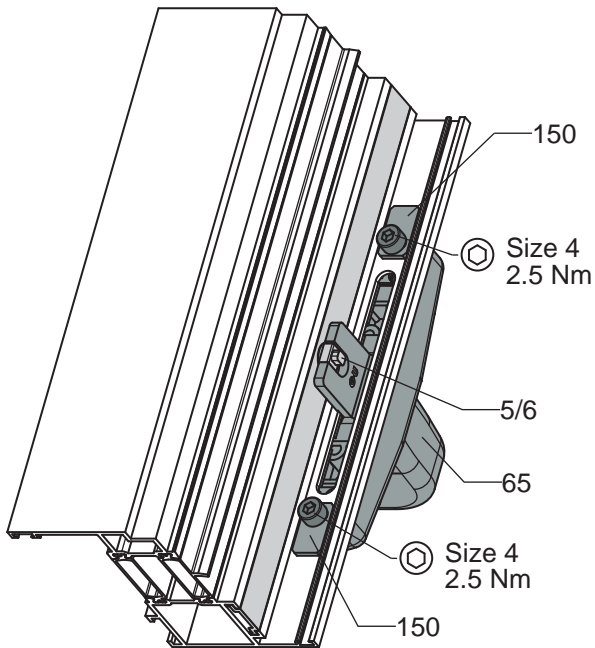


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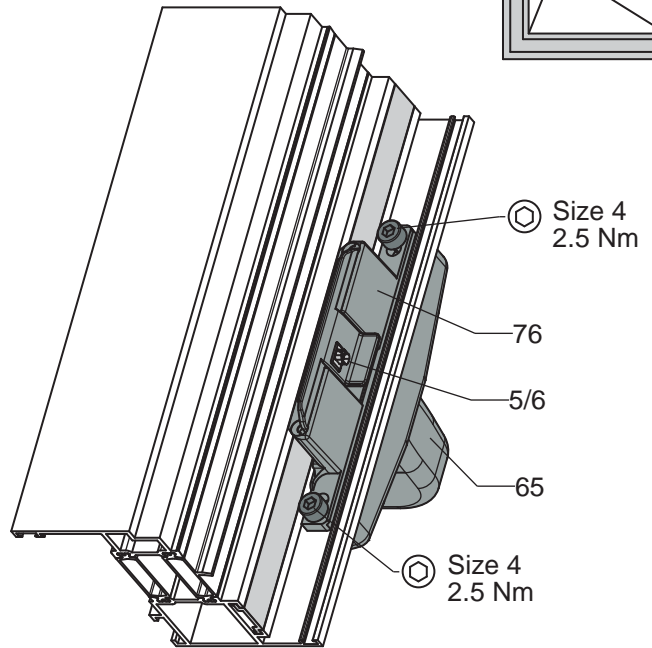
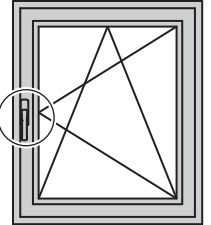


(F)

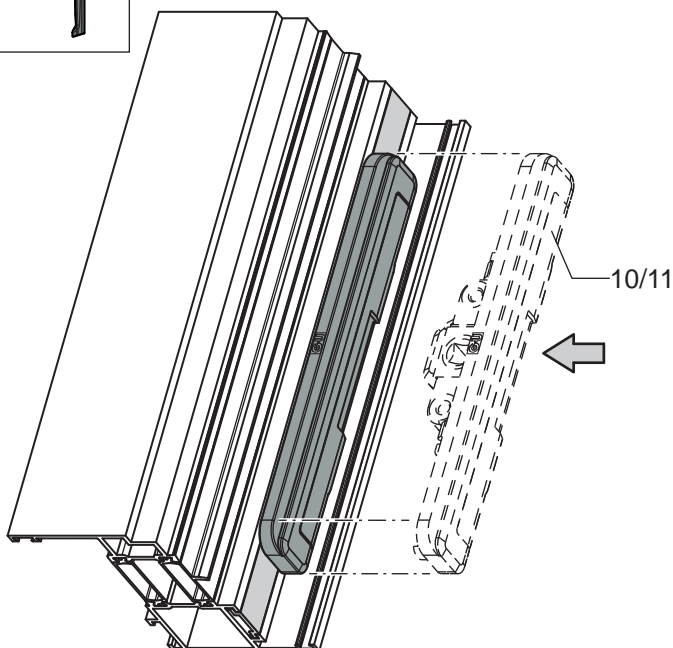


(F) alternatively with mishandling device (item 76)

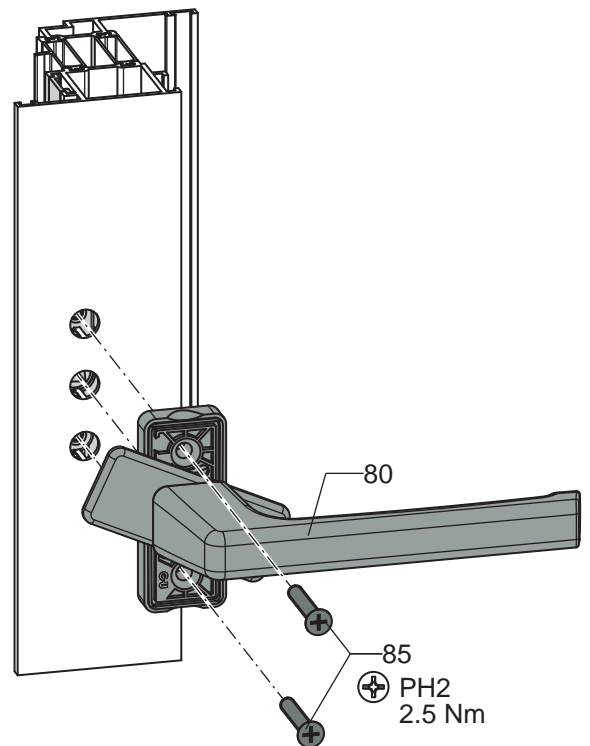
(E/F)



(E)



(F)



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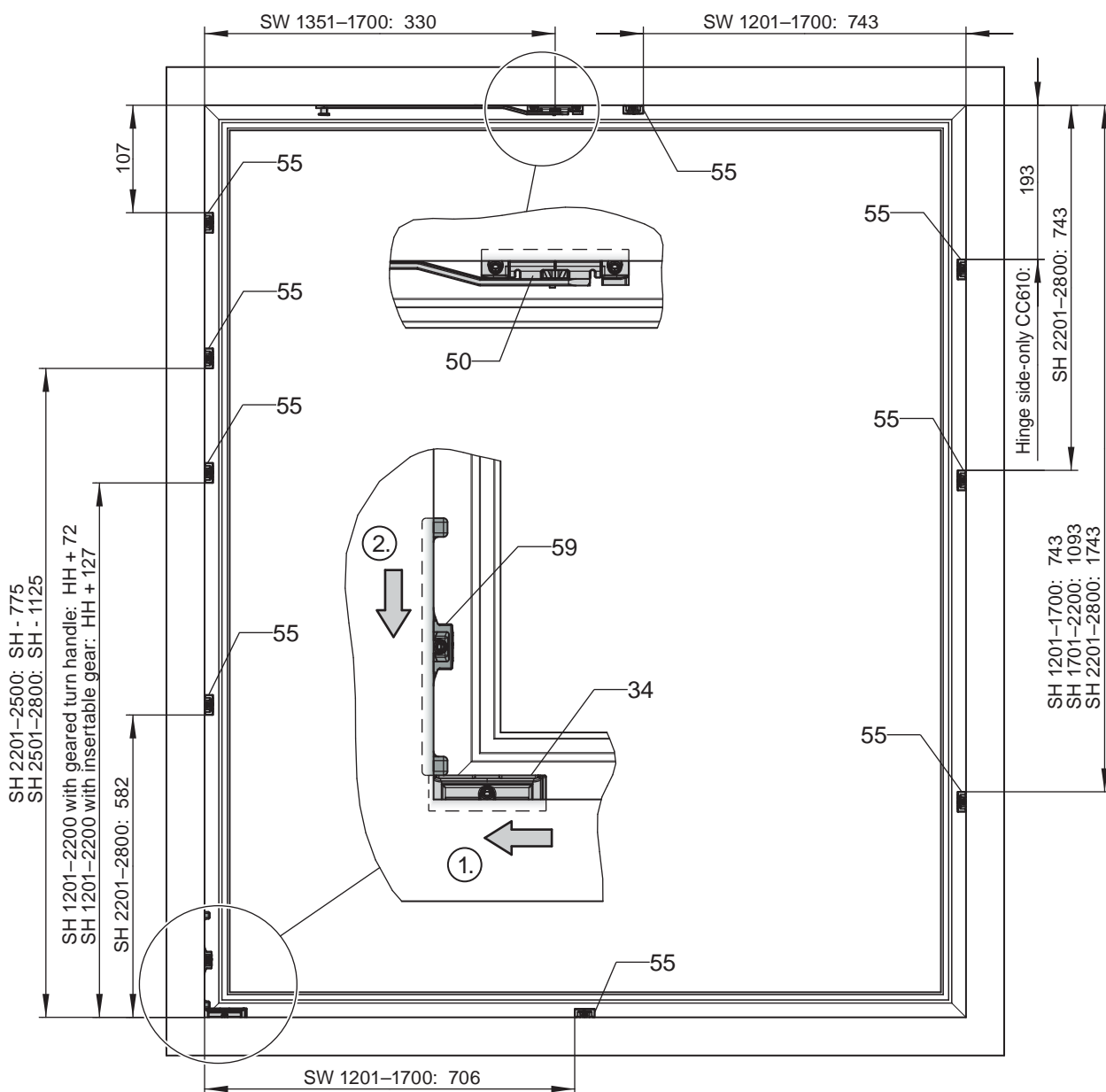
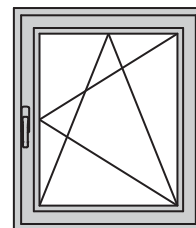
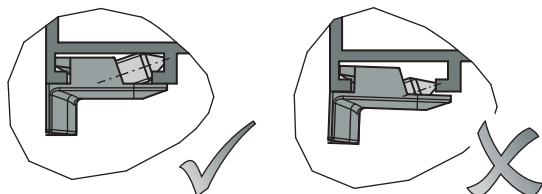
Tilt&Turn window central locking system, basic security

10. Hardware installation on frame



All locking screws:

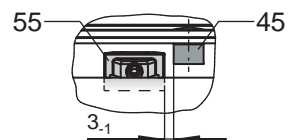
- ⊙ size 2.5
- 2 Nm



After hinging the sash:

Move the turn handle from the closed position to the Turn-Only position and make sure that the distance between striker (item 55) and locking cam (item 45) is 3.1 mm.

Adjust the position of the striker if necessary.

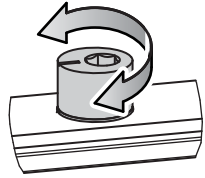


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11. Adjustments



Gasket pressure adjustment ± 1 mm
⊕ Size 4
at corner-drive, tilter and locking cam

NOTE

Grease the locking points and sliding points with an acid-free lubricant which is not prone to gumming.

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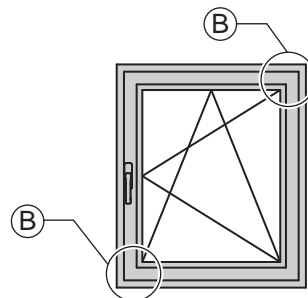
12. Disassembly and disposal



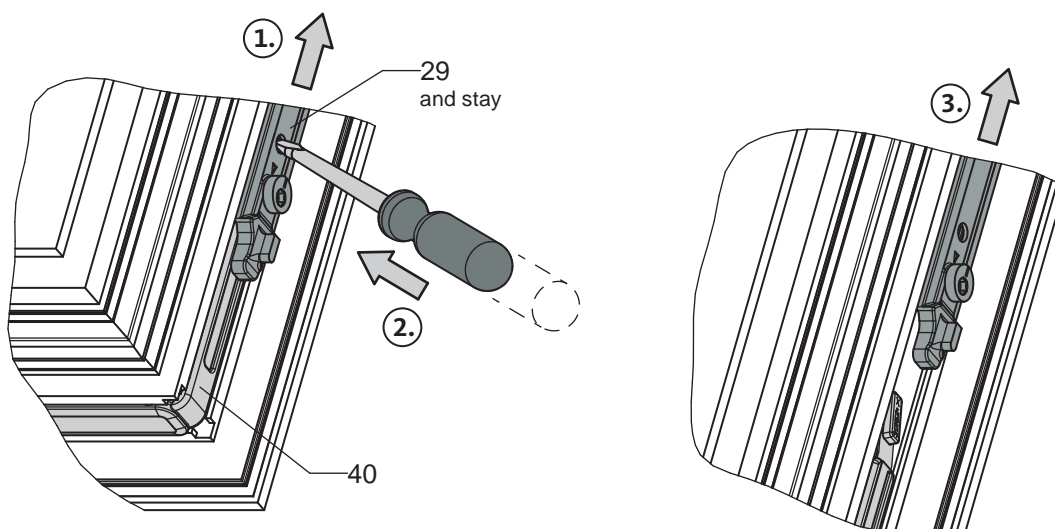
Disassembly

To disassemble the hardware, follow the assembly sequence in reverse order, except for item 29 and the stay.

Disassemble item 29 and the stay as follows:



Ⓑ



Disposal

Dispose of the product according to statutory rules and regulations.

