

Item	Description	Order no.	Qty. per pattern				
			A	C	D	G	K
1	Front bogie	lh (3) rh	6-32545-00	1	2	1	2
1A	P-S front scissor slider	lh (2) rh	6-36028-01	1	2	1	2
1B	P-S central scissor slider	lh (4) rh	6-36029-01	2	4	2	4
1C	Tandem bogie	lh (5) rh	6-37465-00	2	4	2	4
2	Rear bogie	lh (3) rh	6-29561-00	1	2	1	2
2B	P-S rear scissor slider	lh (2) rh	6-36029-02	1	2	1	2
3	Control part	Standard Tandem	6-33329-00	1 2	2 4	1 2	2 4
3A	GU-oZ bb control part	(1)	6-34741-00	1 x lh 1 x rh	2 x lh 2 x rh	1 x lh 1 x rh	2 x lh 2 x rh
4	Fixing pin for control part	only with pattern D	9-39897	--	--	1	--
8	Stay arm slide block	Standard Tandem	6-22755-00	2 4	4 8	2 4	4 8
9	Corner drive with mishandling device		6-37120-06	1 (0)	2 (0)	1 (0)	2 (0)
9A	Corner drive without mishandling device		Value in brackets valid if item 52 or 41E is used				
			6-37264-06	2 (3)	4 (6)	2 (3)	4 (6)
9B	Clamping bracket		9-48157-00	3	6	3	6
12	SPACIO geared turn handle	for max. 130 kg sash weight	G-46551-96	1	2	1	2
15	Carrier piece		6-30984-06	1	2	1	2
17	End cap for P 1608	(1)	9-38543-00	1 x lh 1 x rh	2 x lh 2 x rh	1 x lh 1 x rh	2 x lh 2 x rh
17A	Cover for end-cap screw	(1)	9-26687-00	2	4	2	4
17B	Countersunk-head tapping screw DIN 7982 ST 3.5 x 38-A2-C-H	(1)	9-13151-38	2	4	2	4
18	Spring-loaded buffer	(1)	6-29565-00	1	2	1	2
18A	P-S spring-loaded buffer		6-36059-01	1	2	1	2
19	Support for P 1603 / P 1608	(1)	9-38527-00	1	2	1	2
23	Connector with cam	SW 600-1200 SH 730-1200 1201-2400 1201-2000 730-1200 1201-2400	6-39396-06	2 (3) 2 (3) 3 (4) 4 (5)	6 (7) 6 (7) 10 (11) 10 (11)	2 (3) 2 (3) 3 (4) 4 (5)	4 (6) 4 (6) 6 (8) 8 (10)
			Values in brackets apply to mill-in gears item 41B and item 42				
25	Connecting rod ∅ 8	SW -600 601-1000 1001-1300 1301-1500 1501-1800 1801-2000 Standard Tandem top	(1),(4),(5)	9-25476-01 9-25476-06 9-25476-09 9-25476-11 9-25476-14 9-25476-18 9-25476-07 9-25476-07	1 2	2 1	2 4
26	Guide from SW 1101		6-24764-00	1	2	1	2
27	P 1608 cover rail	SW 600-850 Length 880 851-1100 1130 1101-1350 1380 1351-1600 1630 1601-2000 1990	(1)	9-38804-08 9-38804-11 9-38804-13 9-38804-16 9-38804-20	1	2	1 2
28	P 1300 roller track	Application range refer to sheet 7	(1)	9-31483-35	1	2	1
29	P 1930 guide track		(1)	P-01930	1	2	1
29B	P 1931 guide track	Application range refer to sheet 7	(1)	9-47325-99	1	2	1
30A	P 1932 cover profile	same length as item 29B	(1)	P-01932-35	1	2	1
31	End cap	(1)	9-47513-01	1 x lh 1 x rh	2 x lh 2 x rh	1 x lh 1 x rh	2 x lh 2 x rh
31A	End cap	(1)	9-47326-01	2			
32	Striker Striker for +0.7mm gasket pressure	SW 600-1200 SH 730-1200 1201-2400 730-1200 1201-2400	6-37261-01 6-37261-02	5 6 7 8	10 12 14 16	5 6 7 8	10 12 14 16
44	Tilt&Slide buffer	(1)	6-30388-00	2	4	2	4
52	Mishandling device		6-31065-40	1	1	1	2
71	Nut	SW 600-1350	(1)	9-31861-00	6	12	6
72	Fillister-head screw M4 x 8 / DIN 7985	1351-2000	9-13329-08	12	24	12	24

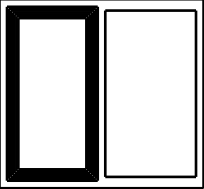
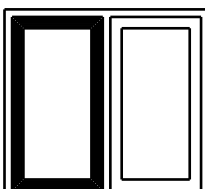
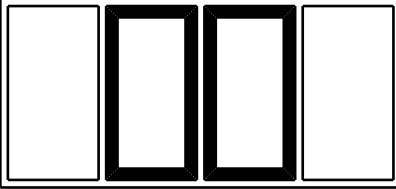
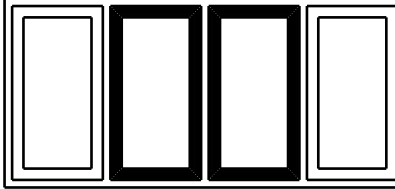
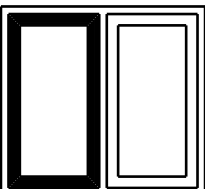
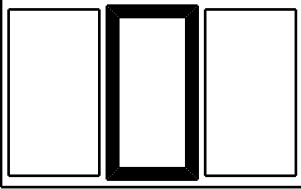
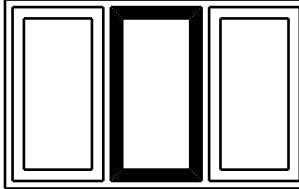
- (1) P-S profiles set K-18770-00-0
(2) P-S scissor slider set, top-running K-18268-00-9
(3) Bogie set K-15278-00-9
(4) P-S scissor slider set, tandem top-running K-18270-00-9
(5) P-S bogie set K-18915-00-9

Alternatively							
Item	Description	Order no.	Qty. per pattern				
			A	C	D	G	K
	Geared turn handle, lockable (not shown in drawing)	G-46553-96	1	2	1	2	
40	DIRIGENT F turn handle	6-28072-99	1	2	1	2	
41B	Mill-in gear with mishandling device*	size = backset 25/30/35/40/45/50	6-25917-99	1	2	1	2
41D	Insertable gear with mishandling device*		6-39384-06	1	2	1	2
41E	Insertable gear without mishandling device**		6-39385-06	1	2	1	2
42	PC lock	size = backset 25/30/35/40/45/50	6-25918-99	1	2	1	2
46	Handle DIRIGENT F (without spindle)		6-28072	1	2	1	2
47	Handle DIRIGENT F (outside)		6-25223	1	2	1	2
56	DIRIGENT HL 90° turn handle	from 131 kg sash weight with mill-in gear	6-31382-99	1	2	1	2
48	PC rosette inside	Push lock	6-31383-99	1	2	1	2
49	PC rosette outside		K-17205-02	1	2	1	2
50	Square spindle		9-43605-02	1	2	1	2
		ST 56-70 Length = 118	9-26874-56	1	2	1	2
		ST 71-80 Length = 131	9-26874-69	1	2	1	2
51	Countersunk screw	M5 x 35	9-13255-35	2	4	2	4
		M5 x 60 ST 51-60	9-13255-60	4	8	4	8
		M5 x 70 ST 61-70	9-13255-70				
		M5 x 80 ST 71-80	9-13255-80				
	Night lock (not illustrated)		K-13282	1	2	1	2

* (when using item 9A)

** (when using item 9)

Sash configuration pattern:

Hardware overview		refer to sheet 2 and 3	
Pattern A Sheet 2: Hardware overview Standard Sheet 3: Hardware overview Tandem Sheet 4: Detailed sections			
Pattern C Sheet 5: Detailed sections			
Pattern D Sheet 6: Detailed sections			
Pattern G Hardware installation refer to sheet 2			
Pattern K Hardware installation refer to sheet 2			
Drilling and milling jigs		refer to sheet 7	

		Specify when ordering: TFW (total frame width) SW (sash width) SH (sash height) Handle lh or rh side (drawing shows lh) Colour: EV1, UC5, white Sash configuration pattern Lockable gear, if required Turn handle inside or on both sides	Application range: The sash height must not exceed 2.5 times the sash width. <table><tr><th></th><th>SW</th><th>SH</th><th>Sash weight</th></tr><tr><td>Standard</td><td>600-2000</td><td>730-3000</td><td>till 130 kg</td></tr><tr><td>Tandem at top</td><td>1050-2000</td><td>730-3000</td><td>131-150 kg</td></tr><tr><td>Tandem at top and bottom</td><td>1050-2000</td><td>730-3000</td><td>151-200 kg</td></tr></table> Note regarding the handle: From 131 kg sash weight use DIRIGENT HL (item 56) and an additional operating element		SW	SH	Sash weight	Standard	600-2000	730-3000	till 130 kg	Tandem at top	1050-2000	730-3000	131-150 kg	Tandem at top and bottom	1050-2000	730-3000	151-200 kg
	SW	SH	Sash weight																
Standard	600-2000	730-3000	till 130 kg																
Tandem at top	1050-2000	730-3000	131-150 kg																
Tandem at top and bottom	1050-2000	730-3000	151-200 kg																

Installation instructions

Drilling and milling according to specified dimensions, preferably by means of appropriate jigs.

Hardware installation on sash:

- Punch apertures into profile for insertion of locking components :
 - Handle side: at top and bottom
 - Side opposite to handle: at top
- Insert and fix locking components as shown under "Installation sequence".
- Fix turn handle (item 12) together with mishandling device (item 52); ensure that carrier piece (item 15) engages in coupling.
Alternatively: - Mill-in gear with mishandling device (item 41B)
 - Mill-in gear with mishandling device (item 41B)
 - plus PC lock (item 42)
- Fix front and rear bogie (item 1 and 2).
- Fix support (item 19) at centre of sash.
- Crop connecting rod Ø 8 (item 25) and insert in rear bogie, firmly tighten screws. Insert rod in front bogie, put bogies in "closed" position and firmly tighten screws on front bogie.
Tightening torque: 10 - 12 Nm
- Fix guide track (item 29) on sash using the nut (item 71) and fillister head screw (item 72). Insert slide blocks (item 8) and T&S buffers (item 44) and attach end caps (item 31).

Hardware installation on frame:

- Crop and install roller track (item 28).

Important:
The roller track must be supported with a batten and screwed to the frame over its entire length!

- Push control part (item 3) onto roller track and tighten screws using a 4 mm Allen key. (Position of control part see drawing)
Tightening torque: 10 - 12 Nm

For elements without mullion (pattern D) use drilling jig 6-30447.

- Crop guide track (item 29B), cover profile (item 30A) and connecting rod Ø 8 (item 25). Mounting the guide track:
Insert connecting rod Ø 8 into rear scissor slider (item 2B) and tighten screw. Slide front scissor slider (item 1A) onto rod Ø 8 and insert complete assembly into guide track (item 29B). Then firmly tighten screw on front scissor slider. Insert GU-oZ bb control parts (item 3A) into guide track and tighten firmly. (Position see drawing)
Tightening torque: 10 - 12 Nm

Installing the sliding sash:

- Set locking system in "open" position (turn handle is horizontal).
- Place sash on roller track at an inclined angle and swivel sash against frame. Insert scissor slider pins completely into slide blocks (item 8) and lock with 4 mm Allen key (refer to illustration on sheet 4).



Attention

Note:
Pull on stay arm firmly to ensure it is securely locked!

- Positioning the scissor sliders:
Slide retracted sash against control parts (items 3A) and close the sash. Then move scissor sliders against control parts (item 3A) and hold them in position. Move front T&S buffer (item 44) against front slide block (item 8) and tighten screw firmly. Open sash, then move scissor sliders against front T&S buffer and hold them in position. Move rear T&S buffer (item 44) against rear slide block (item 8) and tighten screw firmly.

Note:
The control strap of the front scissor slider (item 1A) and the control pin of the front bogie (item 1) must be released in the control parts (item 3A, respectively item 3) simultaneously!
(Setting dimensions refer to sheet 7)

Checking the sash position:

- Sash not in parallel with frame in horizontal direction:
Loosen clamping screw for connecting rod on front bogie. Align sash in parallel, retighten screws firmly.
- Sash not in parallel with frame in vertical direction:
Pull out slider covers on front and rear bogie to access the vertical adjustment screws. Align the sash vertically using a 4mm Allen key, push slide covers back again.
- Sash does not run into the frame centrally:
Loosen clamping screws on upper and lower control parts (item 3A and 3, respectively). Displace control parts accordingly and retighten screws firmly.
- First install P-S spring-loaded buffer (item 18A), then install spring-loaded buffer (item 18). The sash should touch both buffers simultaneously.
Tightening torque: 10 - 12 Nm
(installation refer to sheet 7)
- Clip cover profile (item 30A) onto guide track (item 29) and attach end caps (items 31A).
- Crop cover rail (item 27) and clip onto bogies. Attach end caps (item 17), fasten each with screw (item 17B) and plug on screw covers (item 17A).

The specified fastening screws are a recommendation based on our experience.

The responsibility for the appropriate fastening of hardware components lies with the window/ balcony-door fabricator.

The product guidelines of the profile manufacturers regarding construction, assembly, max. sash dimensions, max. sash weights and material qualities (e.g. linear expansion) are to be observed.



Locking, sliding and bearing points to be lubricated with non-resinous and acid-free lubricant.

Description:

GU-968/150 Parallel-Slide hardware, Central locking system ALU-JET 06 installed in universal aluminium profiles

Date	Change No.	Sig	Ver.	Replacement for	Revision	Iteration	Level	Scale	Drawing No.	Size	Sheet
25.09.2019	G37000	Mj	De	--	5	3	Released	%	0-46713-BU-0-EN	A1	2/7

Hardware overview
Standard version

Fixing the spring-loaded buffer

Frame groove 14x18 Frame groove 12x15 Frame groove 10x14

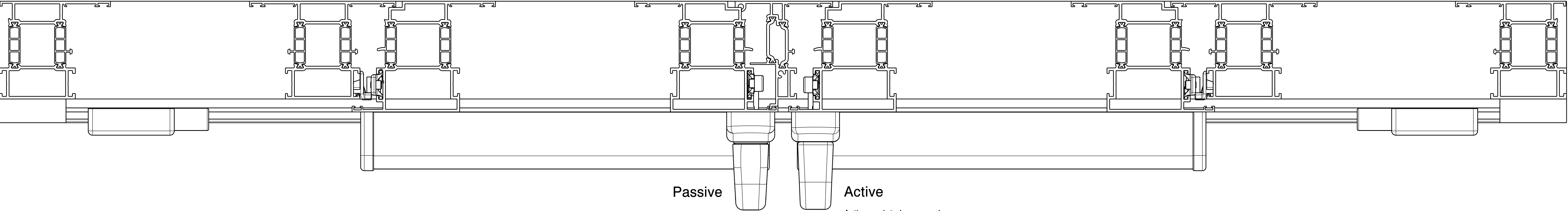
Technical drawings showing the cross-sections of three different frame groove profiles, labeled Frame groove 14x18, Frame groove 12x15, and Frame groove 10x14. Each drawing includes dimensions for width, depth, and fillet radius.

- Frame groove 14x18:** Dimensions include 0.5, 11.5 $\pm$ 0.5, 2 $\pm$ 0.5, 14 $\pm$ 0.4, 18 $\pm$ 0.2, 4 $\pm$ 0.5, 2 $\pm$ 0.2, and 0.5.
- Frame groove 12x15:** Dimensions include 0.5, 11.5 $\pm$ 0.5, 2 $\pm$ 0.5, 12 $\pm$ 0.4, 15 $\pm$ 0.5, 3.6 $\pm$ 0.2, 2 $\pm$ 0.5, 5 $\pm$ 0.5, 1.8 $\pm$ 0.3, and 3 $\pm$ 0.5.
- Frame groove 10x14:** Dimensions include 0.5, 11.5 $\pm$ 0.5, 2 $\pm$ 0.5, 10 $\pm$ 0.4, 14.4 $\pm$ 0.2, 4.3 $\pm$ 0.2, 2 $\pm$ 0.5, 5 $\pm$ 0.5, 3 $\pm$ 0.5, and 2 $\pm$ 0.5.

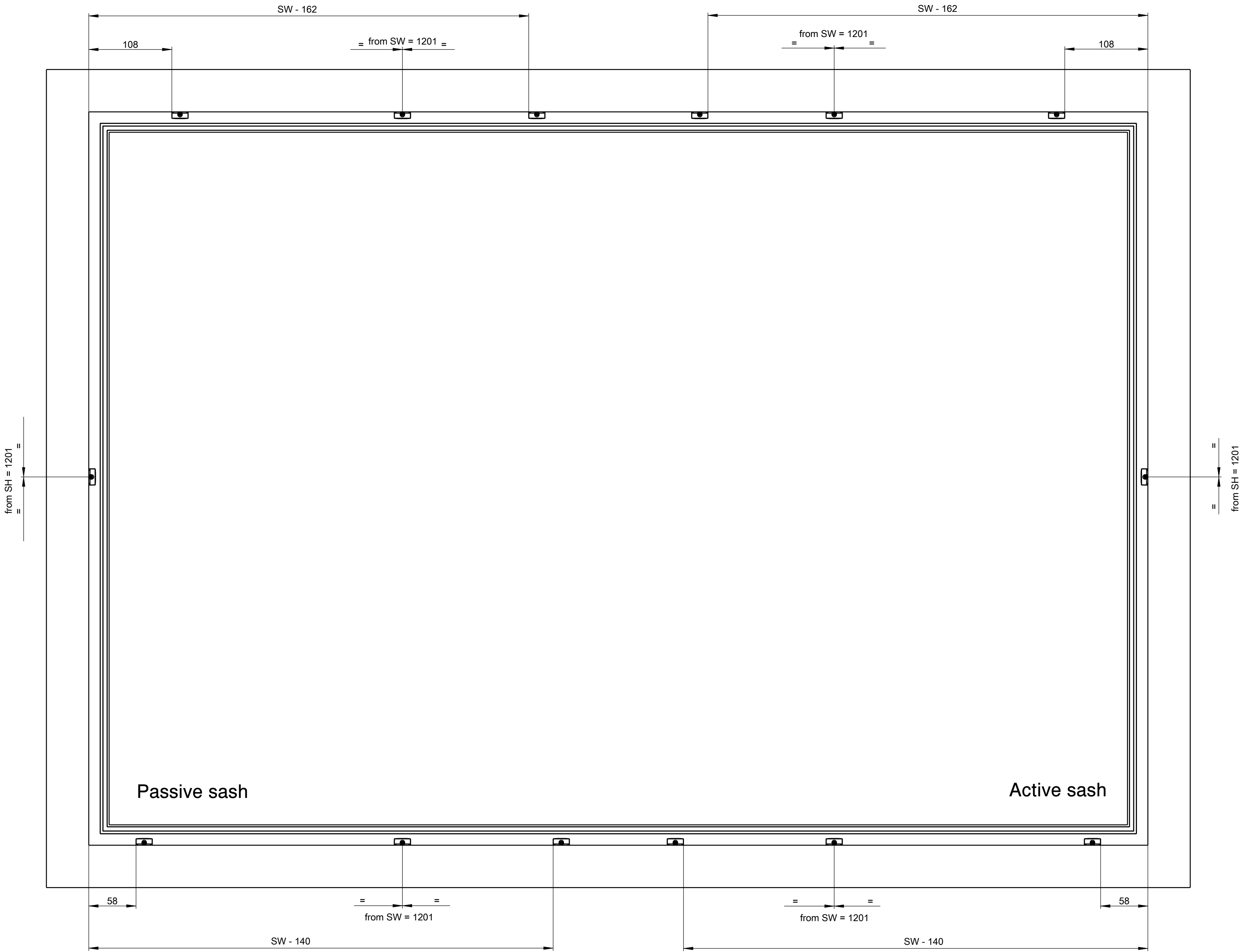
1 sliding sash with
fixed centre mullion

GU	Date	Change No.	Sig	Ver.	Replacement for	Revision:	Iteration:	Level:	Scale	Drawing No.	Size	Sheet
	25.09.2019	G37000	Mj	De	--	5	3	Released	%	0-46713-BU-0-EN	A1	4/7

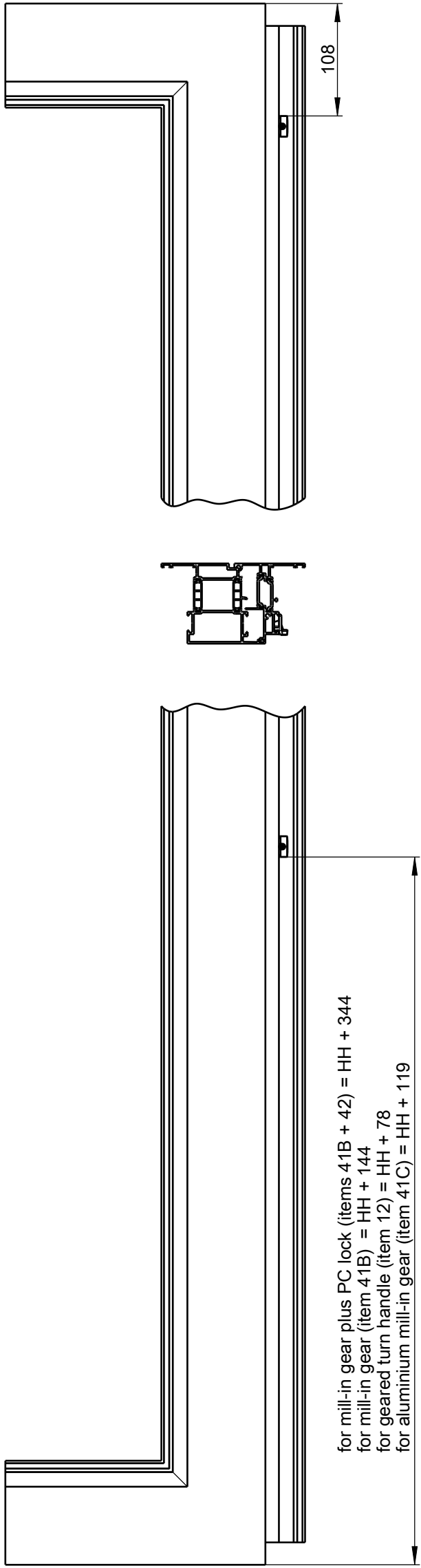
Pattern C
2 sliding sashes / 2 fixed glazings
with dummy mullion



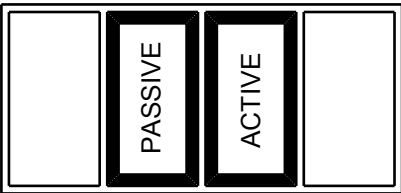
Active sash to be opened
first and lowered last!



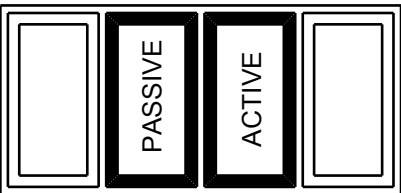
Passive sash with
dummy mullion



Pattern C / Detailed sections

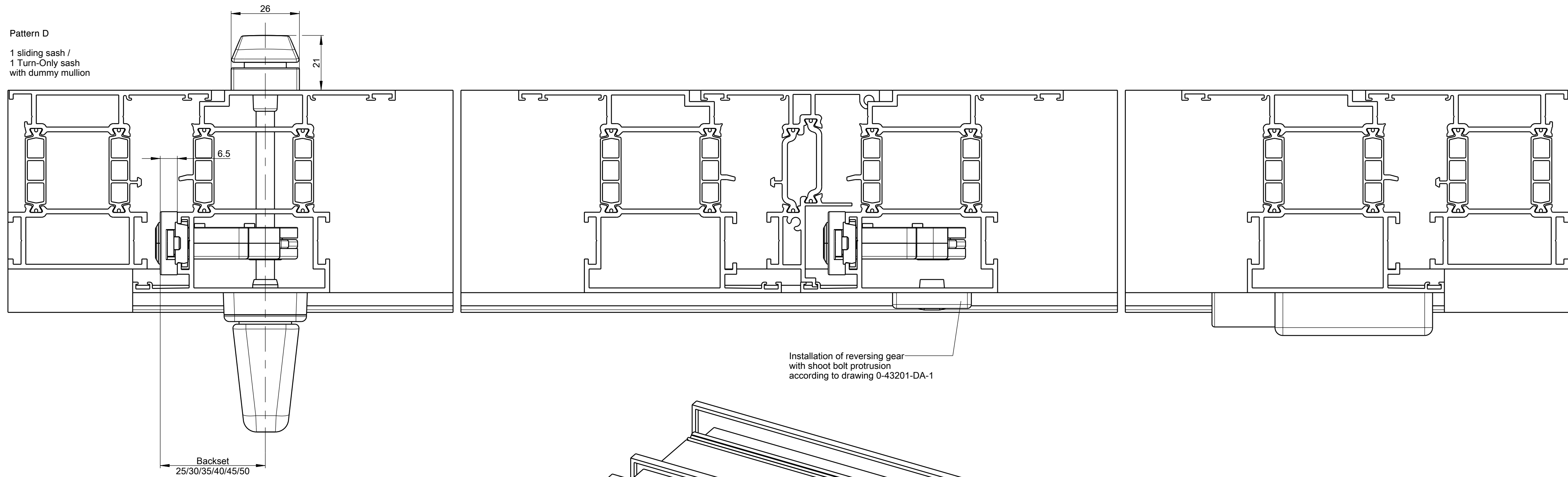


2 sliding sashes / 2 fixed glazings
with dummy mullion

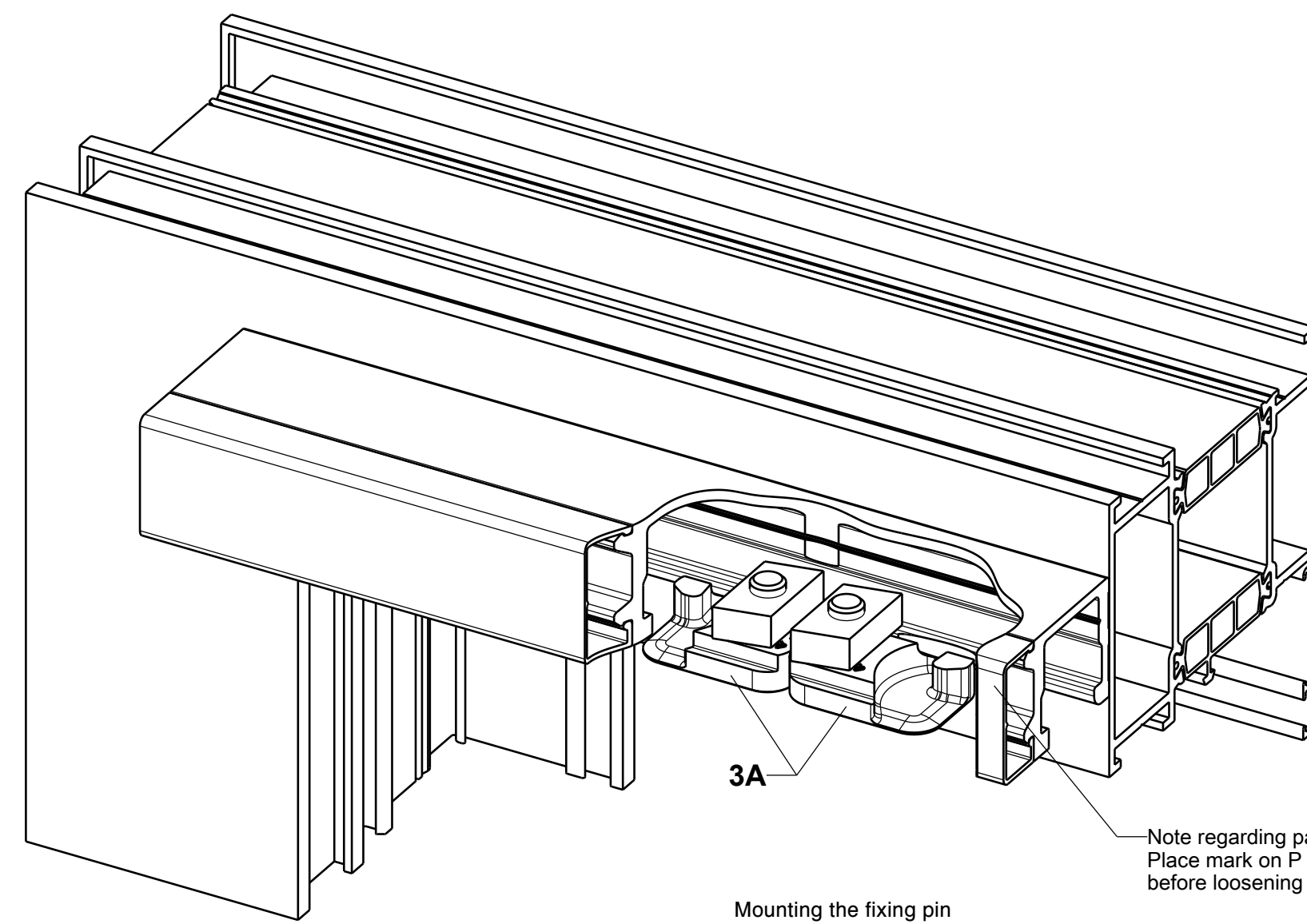


2 sliding sashes / 2 Turn-Only sashes
with dummy mullion

Description:
GU-968/150 Parallel-Slide hardware, Central locking system ALU-JET 06
installed in universal aluminium profiles



Installation of reversing gear
with shoot bolt protrusion
according to drawing 0-43201-DA-1

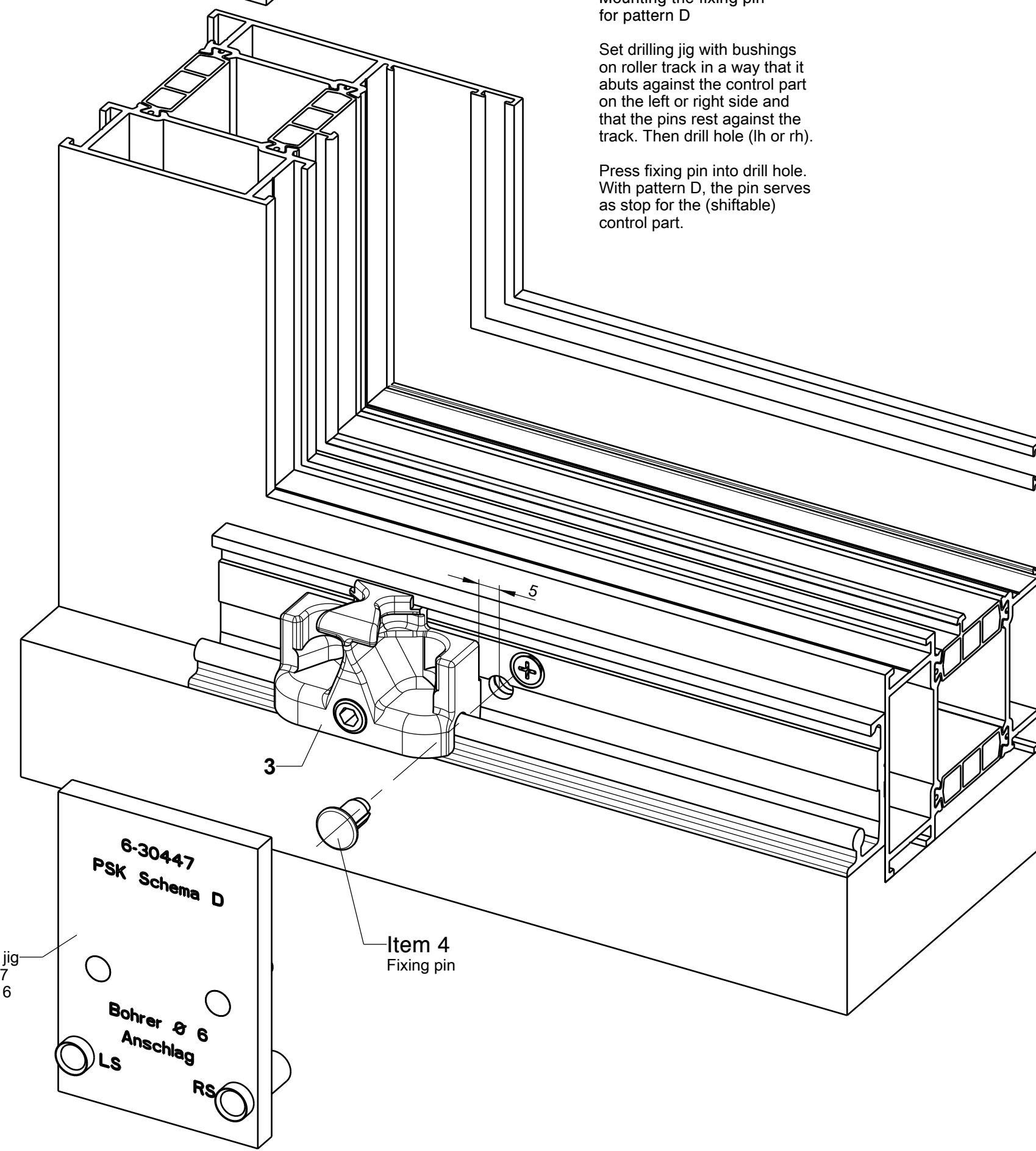
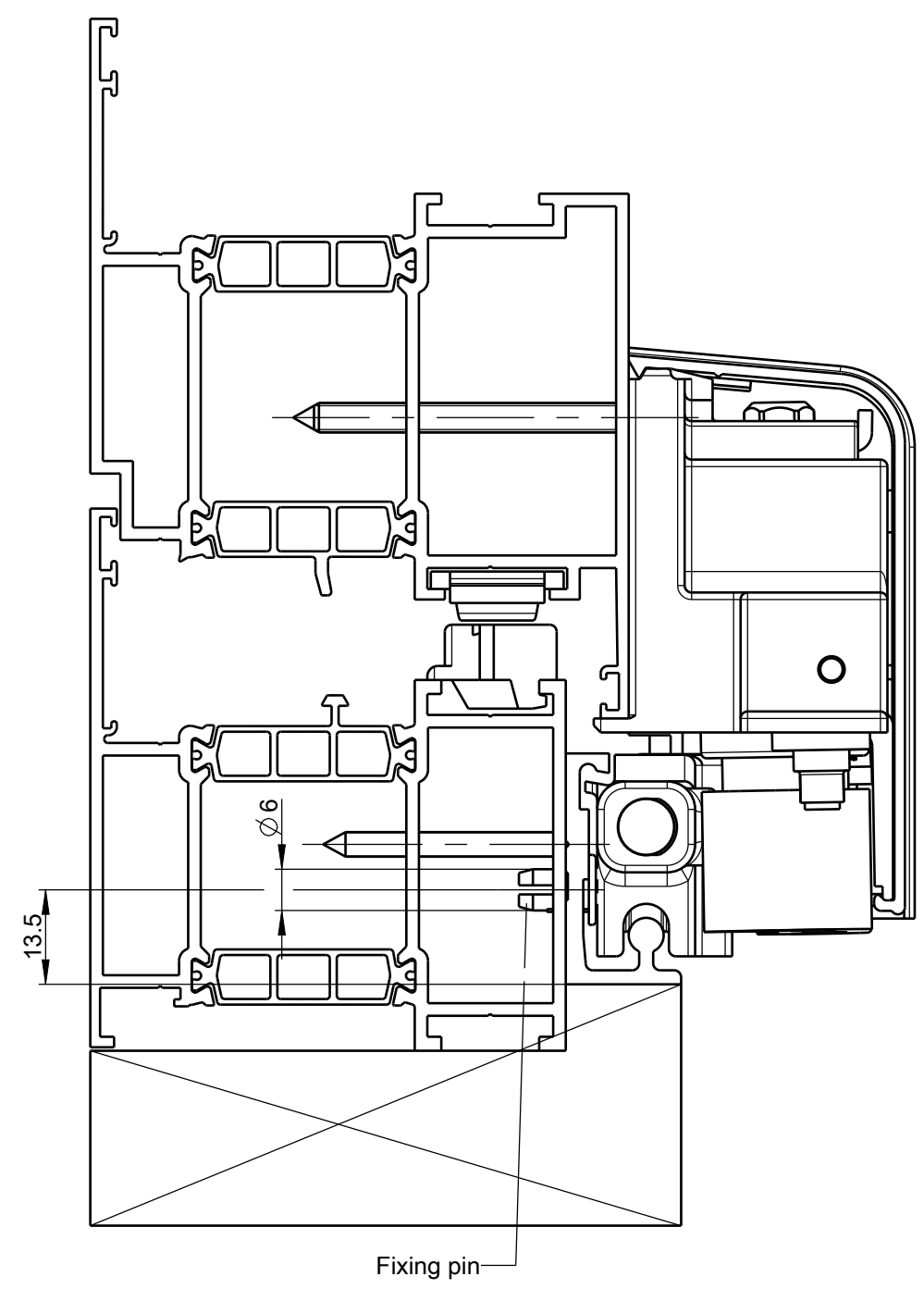


Note regarding pattern D:
Place mark on P 1931 guide track
before loosening the control parts.

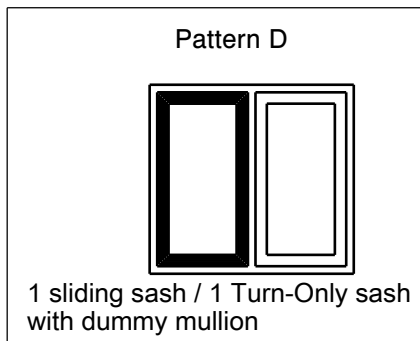
Mounting the fixing pin
for pattern D

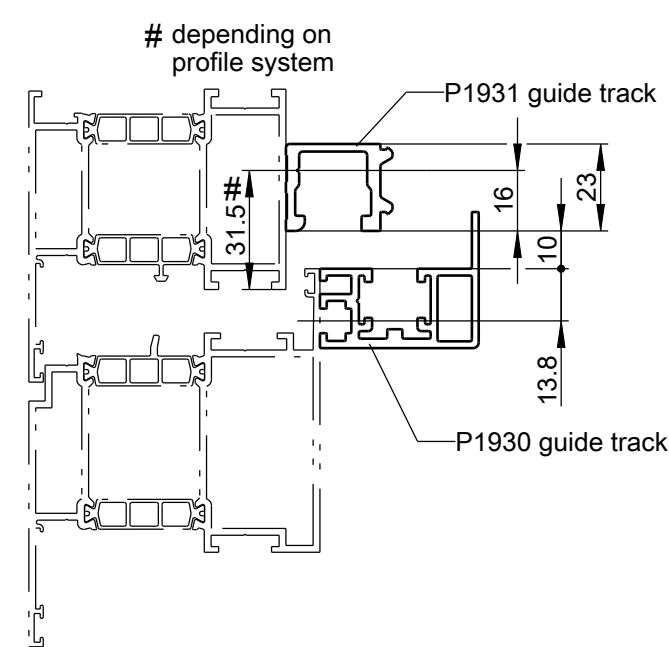
Set drilling jig with bushings
on roller track in a way that it
abuts against the control part
on the left or right side and
that the pins rest against the
track. Then drill hole (lh or rh).

Press fixing pin into drill hole.
With pattern D, the pin serves
as stop for the (shiftable)
control part.



Striker positions refer to sheet 4 (pattern A)

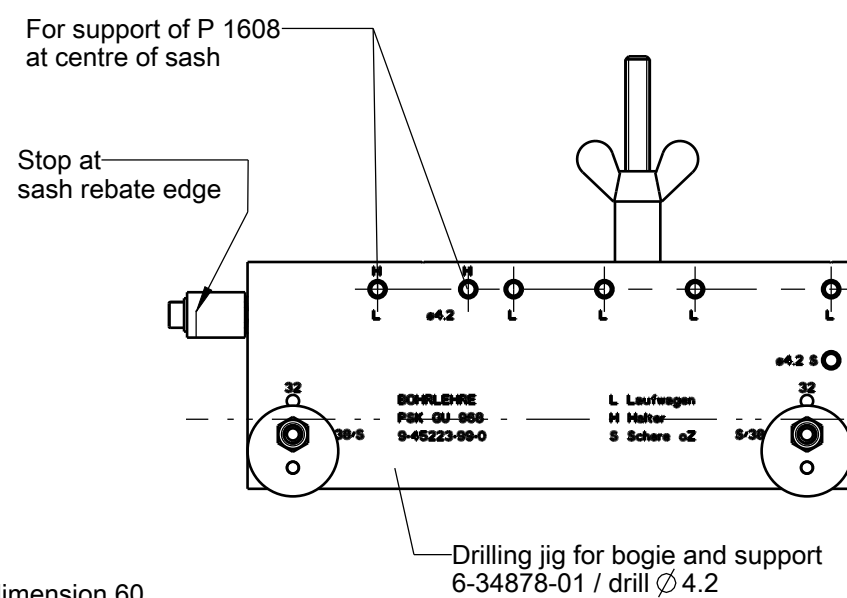
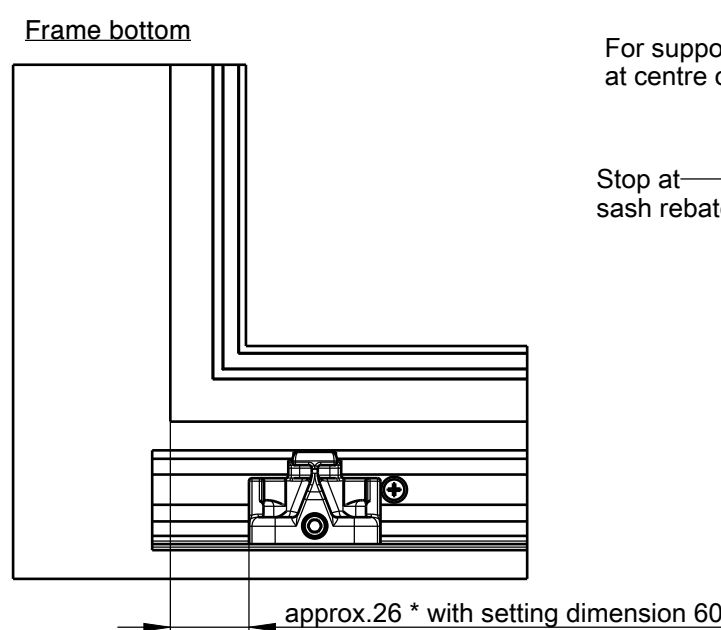
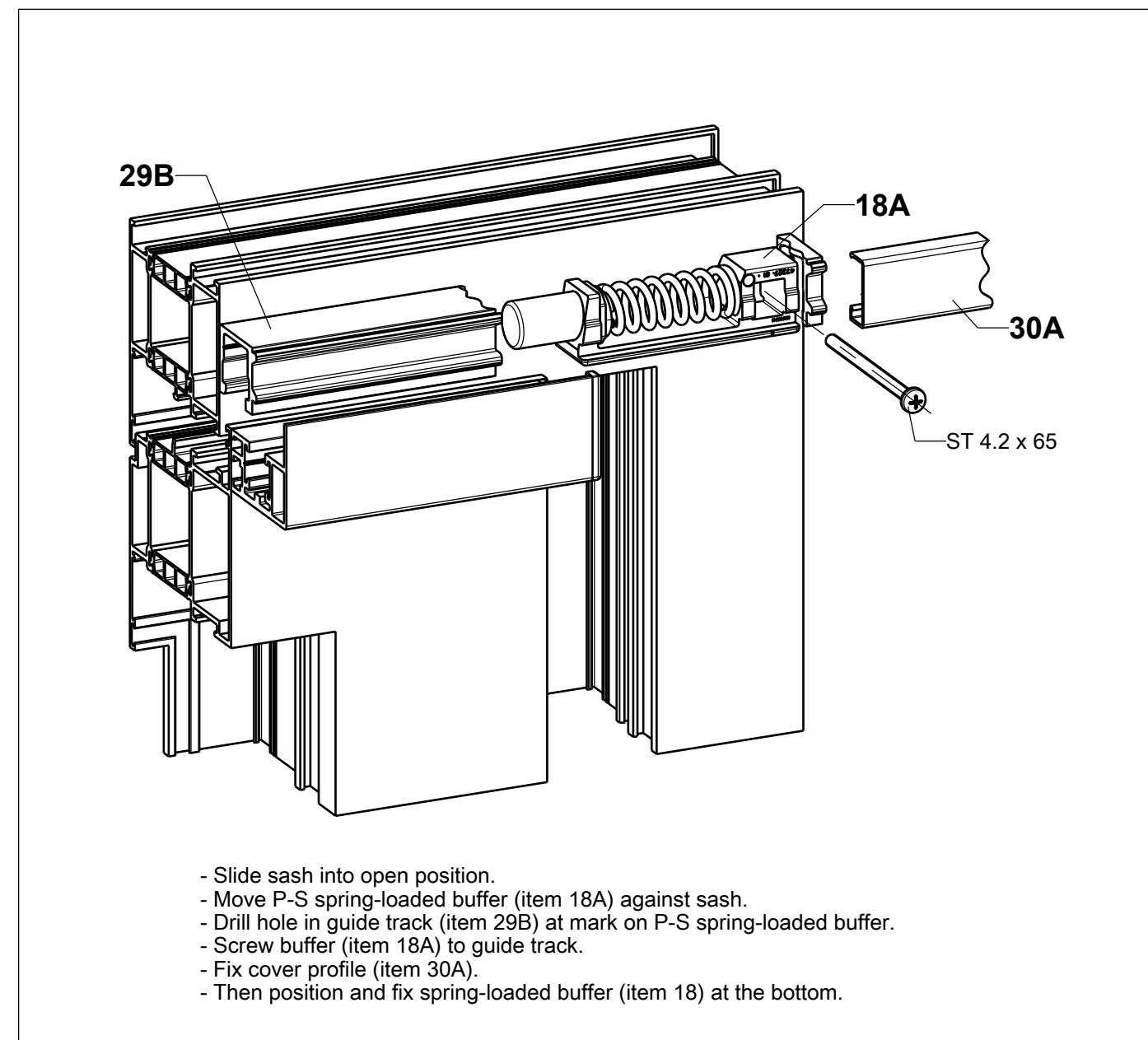
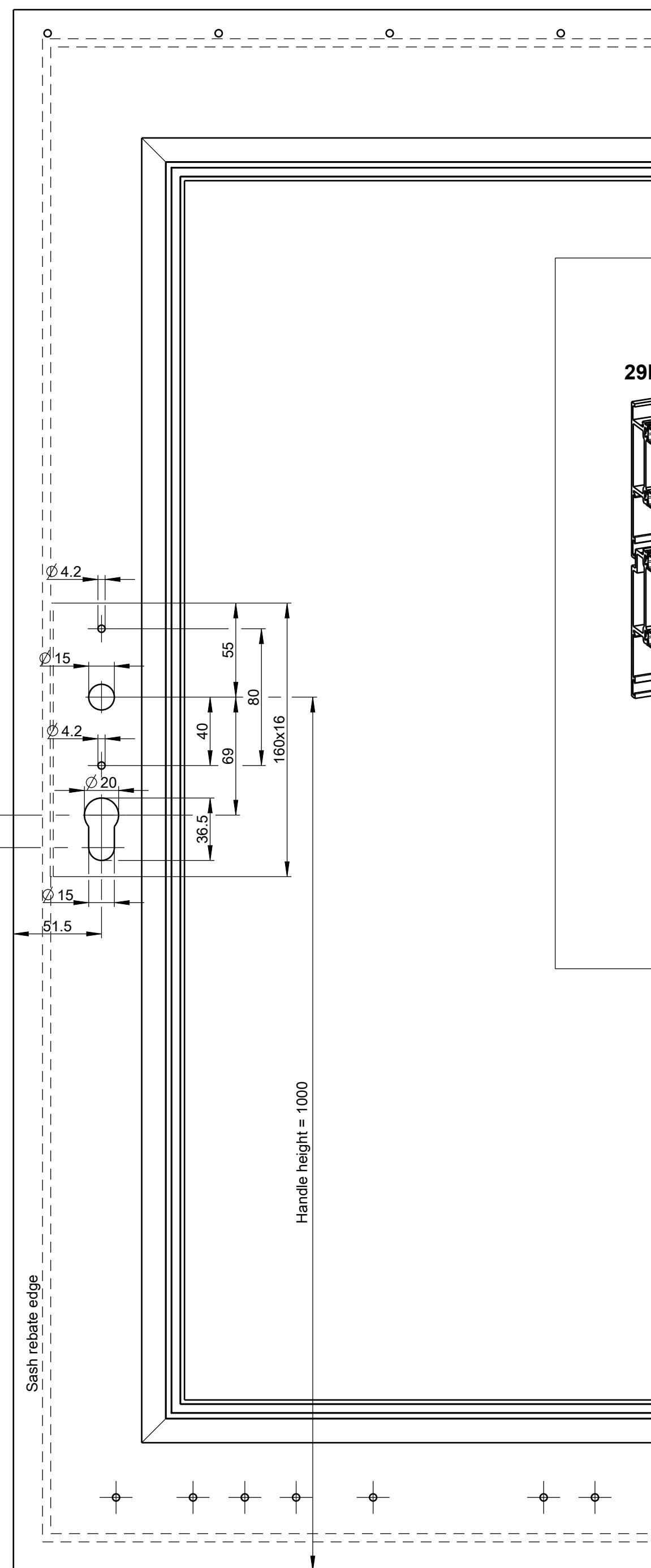
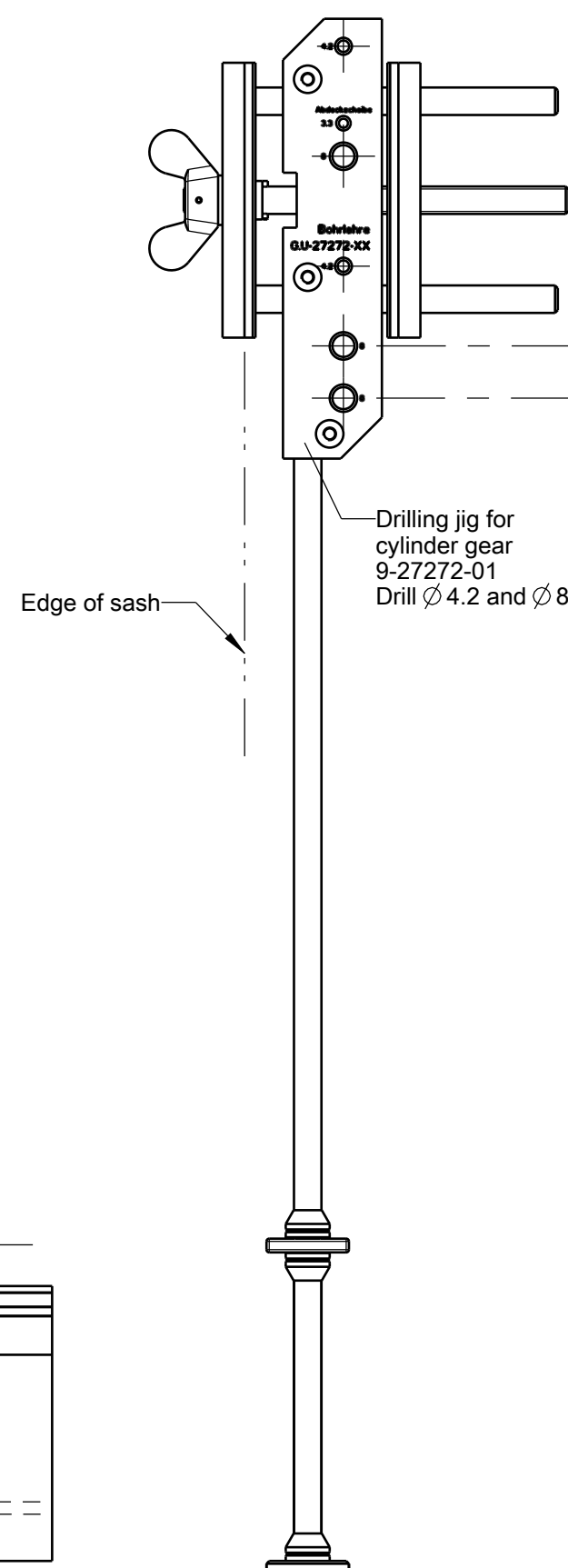
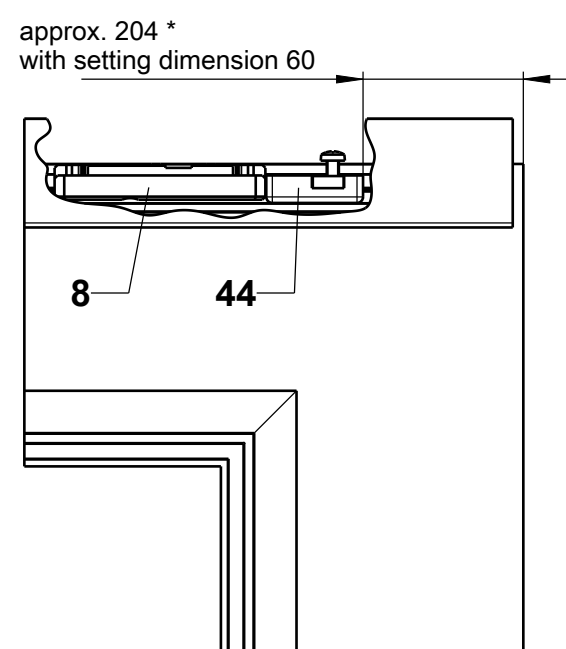
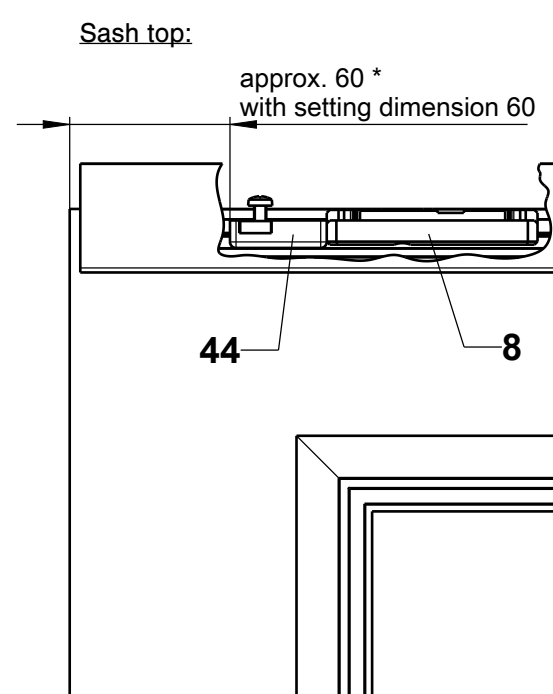




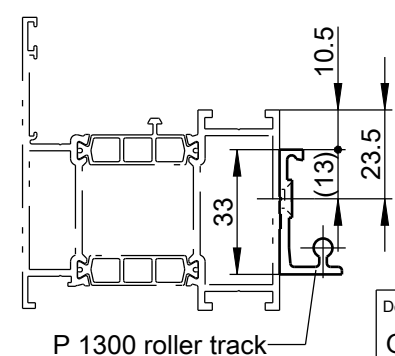
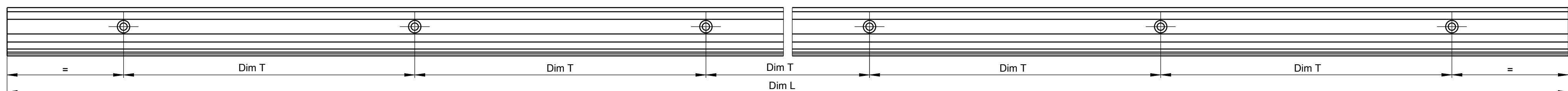
Frame top

3A

approx. 133 *
with setting
dimension 60



* Setting dimension 57-60 possible
Displace control part accordingly.



Description:	GU-968/150 Parallel-Slide hardware, Central locking system ALU-JET 06 installed in universal aluminium profiles
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	25.09.2019	G37000	Mj	De	--	5	3	Released	%	0-46713-BU-0-EN	A1	7/7