

depending on  
profile system

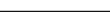
### Alternatively

Application range:

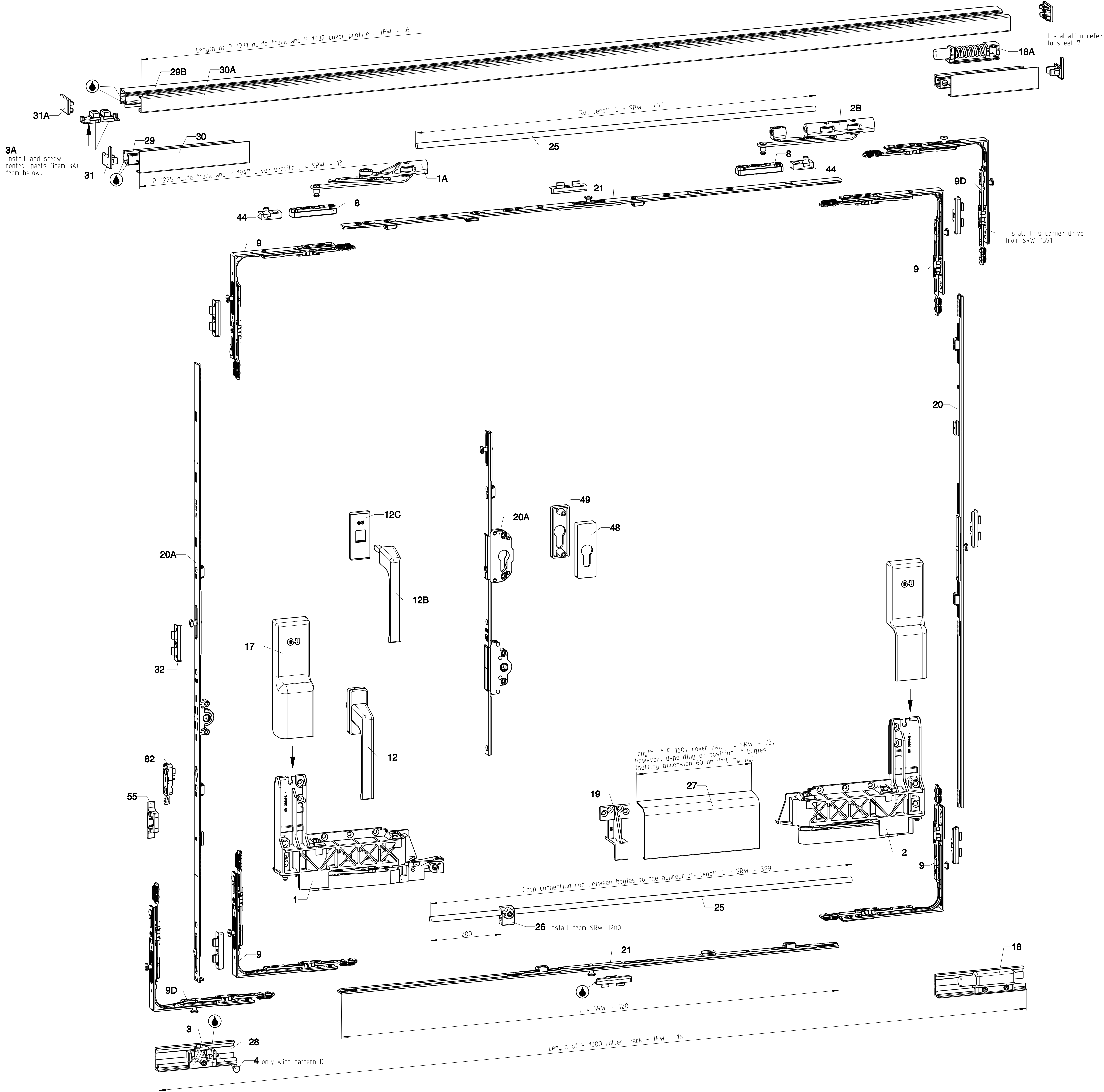
**Specify when ordering:**

Description

GU-966/150 oZ Parallel-Slide hardware  
installed in universal PVC profiles

|                                                                                       |                    |       |            |    |       |                        |       |
|---------------------------------------------------------------------------------------|--------------------|-------|------------|----|-------|------------------------|-------|
|  | Release No.<br>--  | Level | Released   |    | Scale | Modification           | Size  |
|                                                                                       | Mod. No.<br>G29593 | Ver.  | --         | -- | %     | 1                      | 1     |
|                                                                                       |                    | Draft | 19.08.2015 | Rt |       | Drawing No.            | Sheet |
|                                                                                       | Replacement for -- |       |            |    |       | <b>O-46714-BL-O-EN</b> | 1/7   |





## Installation instructions

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

## Hardware installation on sash:

1. Install central locking system in central position (refer to drawing 0-44324-DD-1, UNI-JET locking system). Crop FHH gear (item 20A) at notch (160 mm).
2. Fix front and rear bogie (item 1 and 2).
3. Fix support (item 19) at centre of sash.
4. Crop connecting rod  $\varnothing 8$  (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
5. Fix guide track (item 29) on sash. Insert slide blocks (item 8) and T&S buffers (item 44) and attach end caps (item 31).

## Hardware installation on frame:

6. 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.
7. 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.
8. Crop guide track (item 29B), cover profile (item 30A) and connecting rod  $\varnothing 8$  (item 25). Mounting the guide track:  
Insert connecting rod  $\varnothing 8$  into rear scissor slider (item 2B) and tighten screw. Slide front scissor slider (item 1A) onto rod  $\varnothing 8$  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:

9. Set locking system in "open" position (turn handle is horizontal).
10. 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).
- Note:  
Pull on stay arm firmly to ensure it is securely locked.
11. 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:

12. 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.
13. 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.
14. 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.
15. 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)
16. Clip cover profile (item 30A) onto guide track (item 29B) and attach end caps (items 31A).
17. 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.

## Hardware overview Standard version

Description

GU-966/150 oZ Parallel-Slide hardware  
installed in universal PVC profiles

| Release No.        | Level   | Released | Scale | Modification | Size |
|--------------------|---------|----------|-------|--------------|------|
|                    |         |          |       |              |      |
| Mod. No. 629593    | Ver. -- | --       | %     | 1            | 1    |
| Drawing No.        |         |          |       | Sheet        |      |
| Replacement for -- |         |          |       | 2/7          |      |

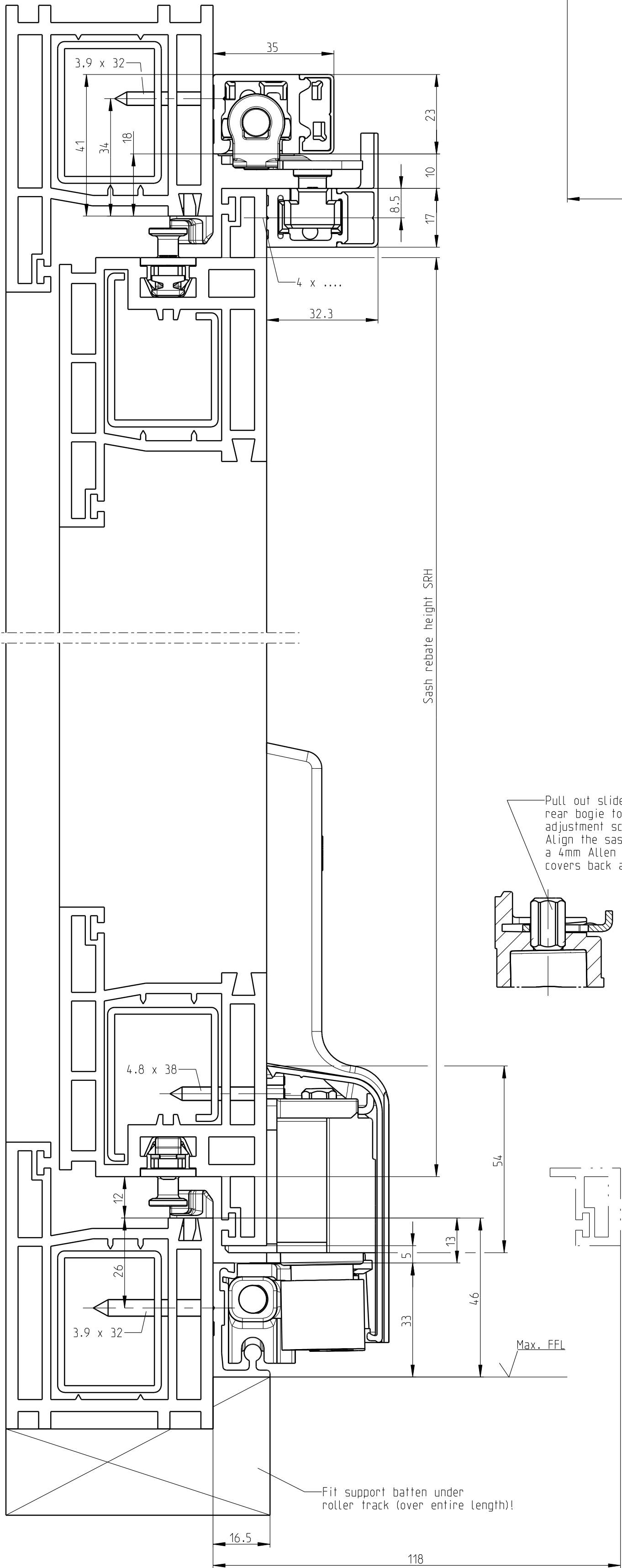
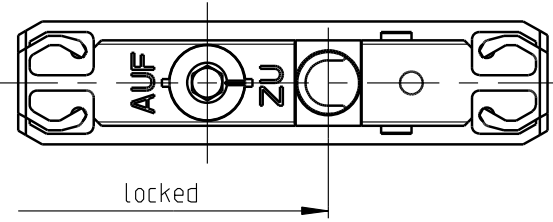
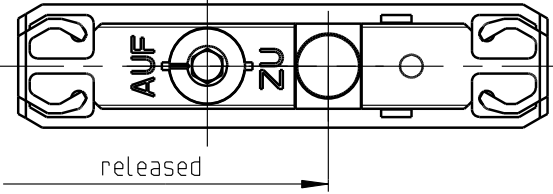




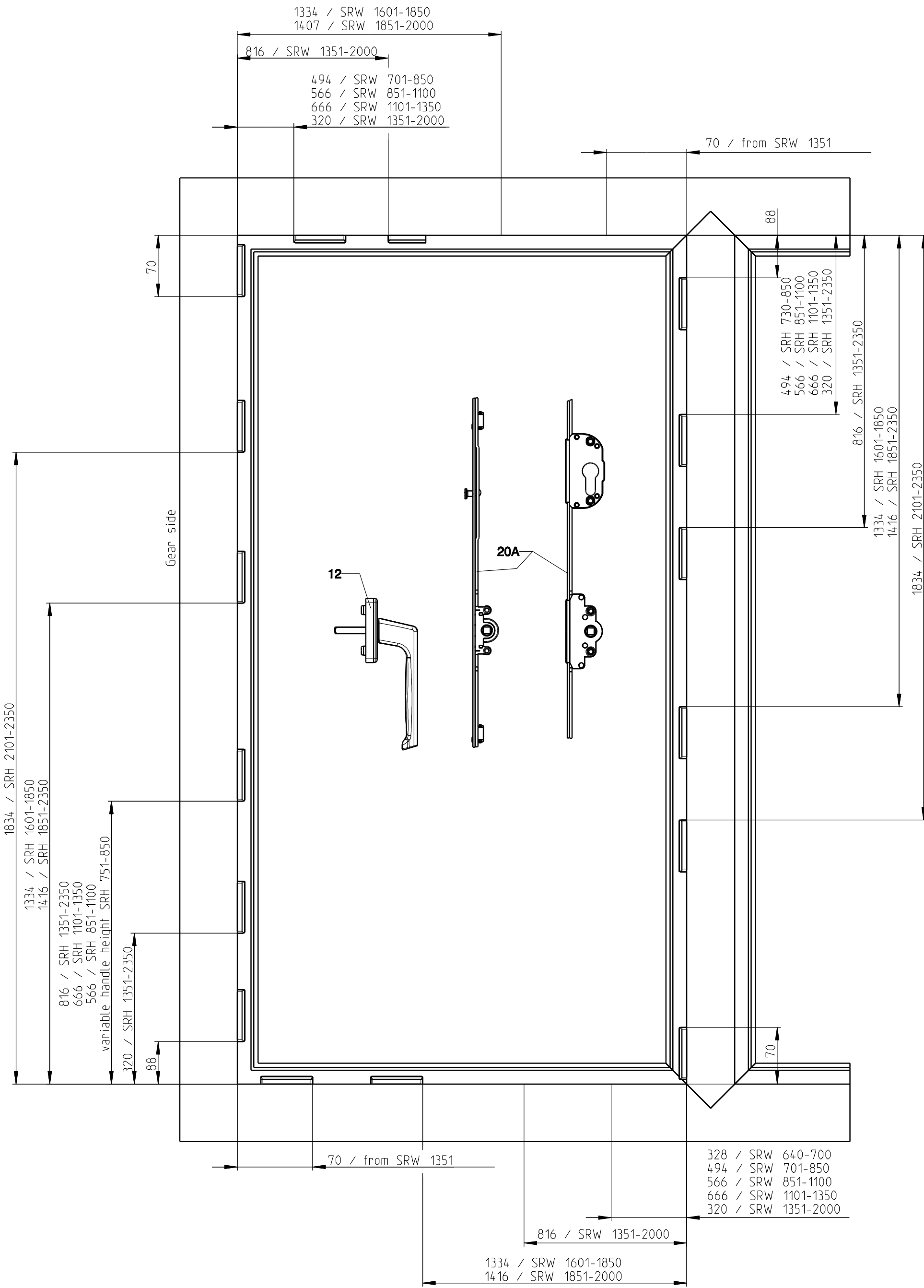
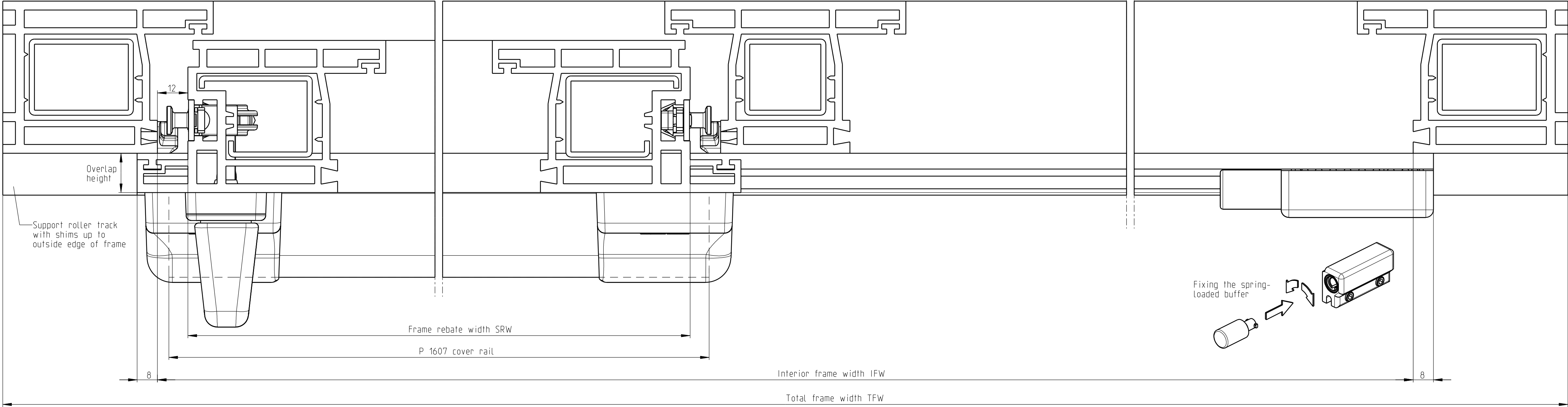
|                                                                                       |             |       |            |    |       |                        |  |  |       |
|---------------------------------------------------------------------------------------|-------------|-------|------------|----|-------|------------------------|--|--|-------|
| Description                                                                           |             |       |            |    |       |                        |  |  |       |
| GU-966/150 oZ Parallel-Slide hardware<br>installed in universal PVC profiles          |             |       |            |    |       |                        |  |  |       |
| —                                                                                     |             |       |            |    |       |                        |  |  |       |
|  | Release No. | Level | Released   |    | Scale | Modification           |  |  | Size  |
|                                                                                       | --          |       |            |    |       |                        |  |  |       |
|                                                                                       | Mod. No.    | Ver.  | --         | -- | %     | 1                      |  |  | 1     |
|                                                                                       | G29593      | Draft | 19.08.2015 | Rb |       | Drawing No.            |  |  | Sheet |
| Replacement for --                                                                    |             |       |            |    |       | <b>O-46714-BL-O-EN</b> |  |  |       |



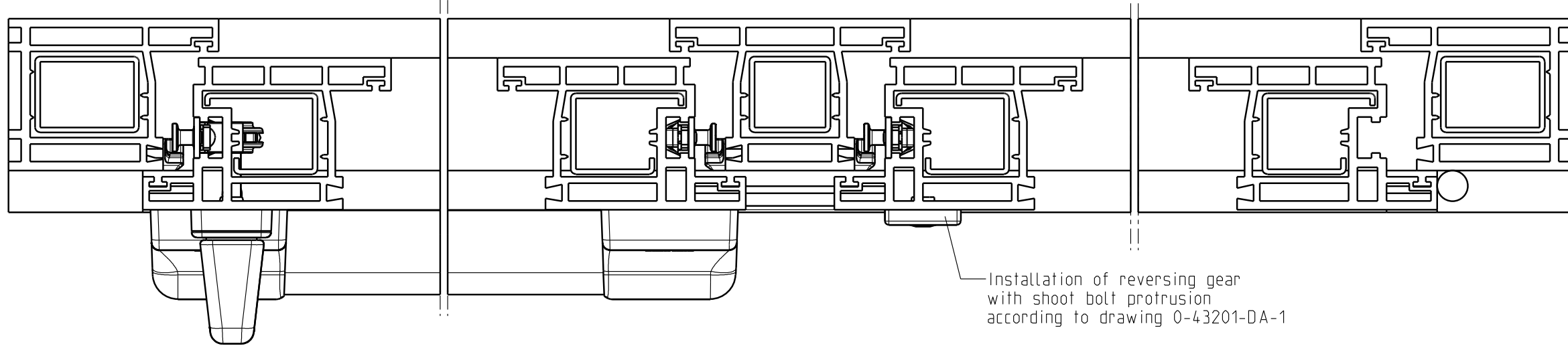
Lock stay arm pin with  
Allen key size 4  
(refer to installation instructions item 12)



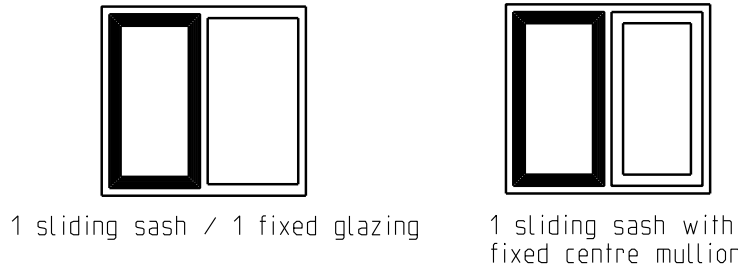
**Pattern A**  
1 sliding sash / 1 fixed glazings



**Pattern A**  
1 sliding sash / 1 Turn-Only sash  
with fixed centre mullion



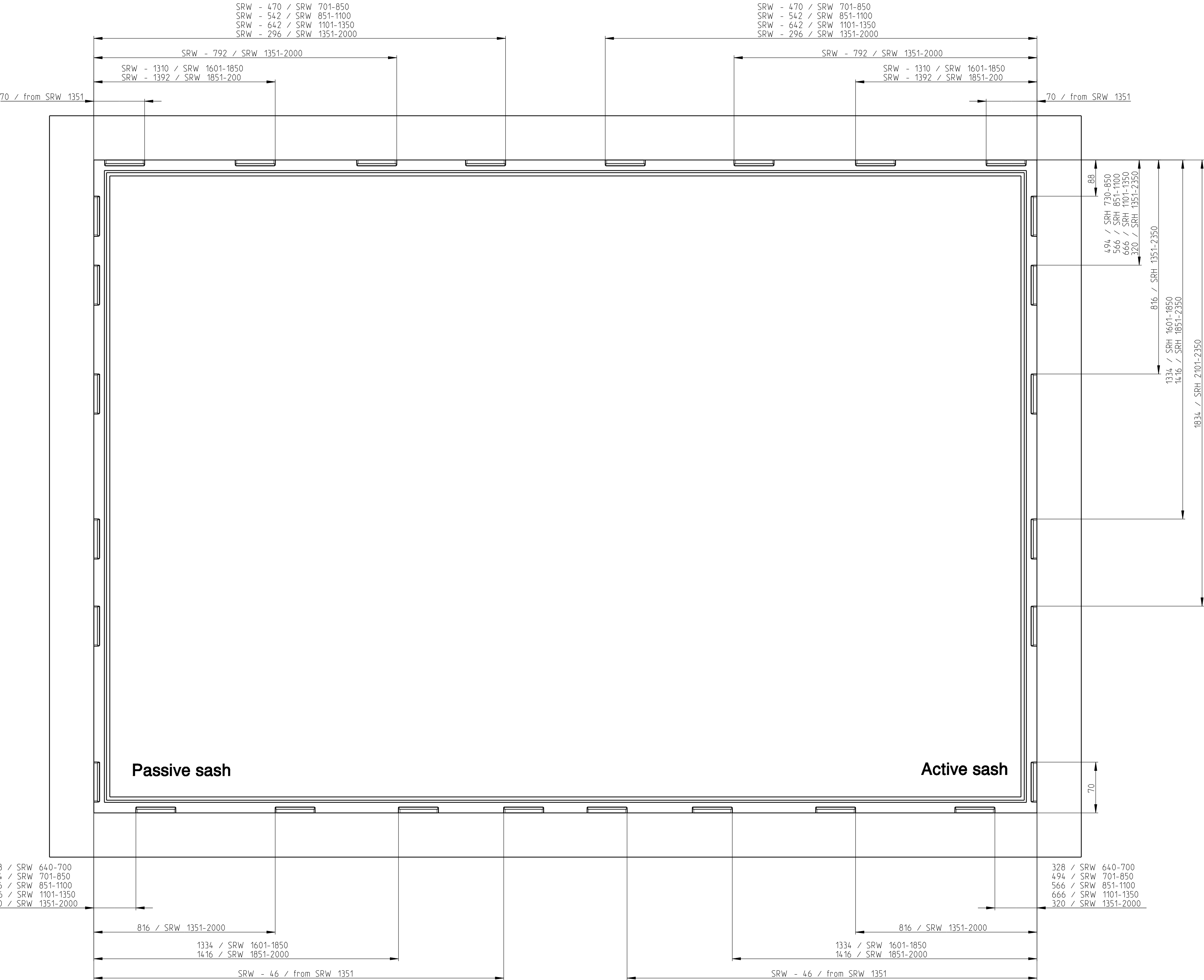
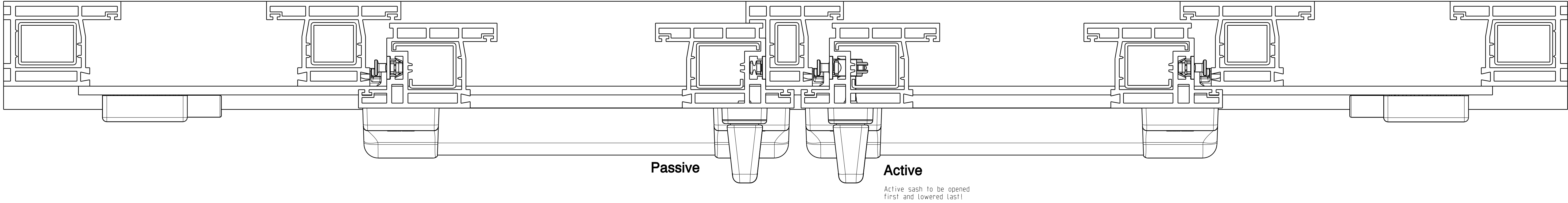
**Pattern A / Detailed sections**



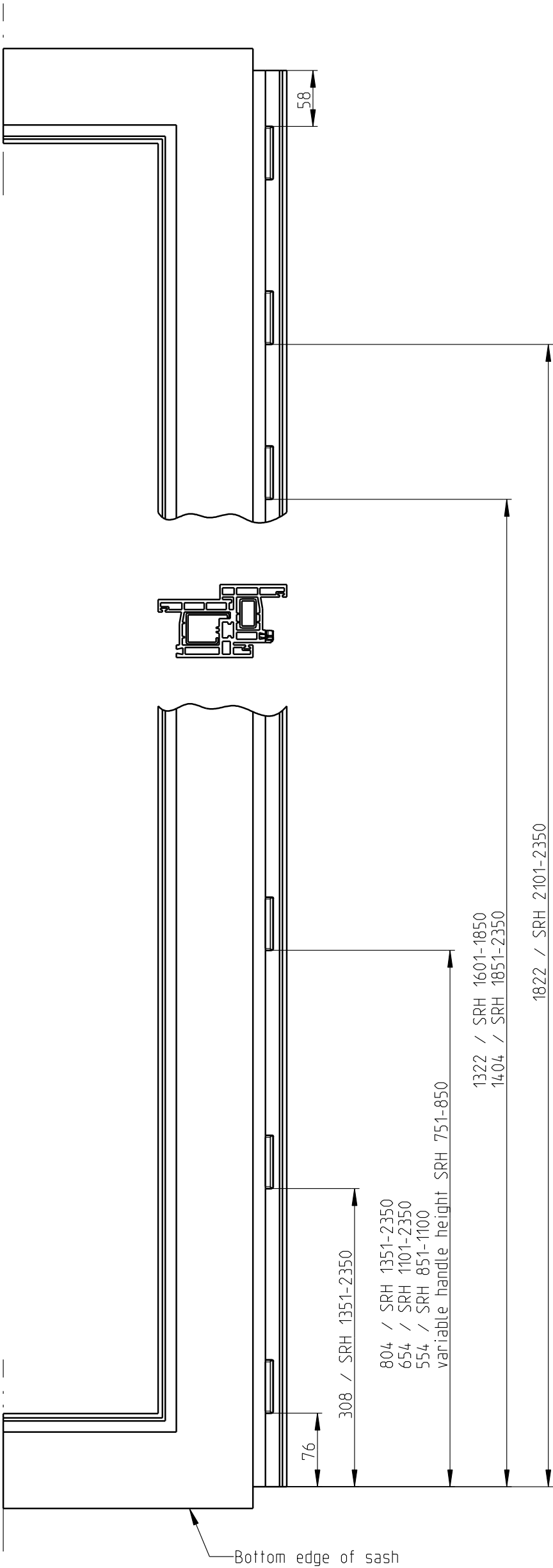
|                                                                              |                    |            |          |    |       |       |
|------------------------------------------------------------------------------|--------------------|------------|----------|----|-------|-------|
| Description                                                                  |                    |            |          |    |       |       |
| GU-966/150 oZ Parallel-Slide hardware<br>installed in universal PVC profiles |                    |            |          |    |       |       |
|                                                                              |                    |            |          |    |       |       |
| GU                                                                           | Release No.        | Level      | Released |    | Scale |       |
|                                                                              | Mod. No.           | Ver.       | --       | -- | %     | 1     |
|                                                                              | Draft              | 19.08.2015 | Rb       |    |       |       |
|                                                                              | Replacement for -- |            |          |    |       |       |
| Drawing No.                                                                  |                    |            |          |    |       | Sheet |
| 0-46714-BL-0-EN                                                              |                    |            |          |    |       | L/7   |



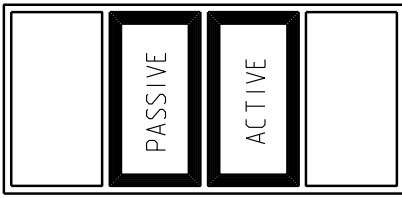
Pattern C  
2 sliding sashes / 2 fixed glazings  
with dummy mullion



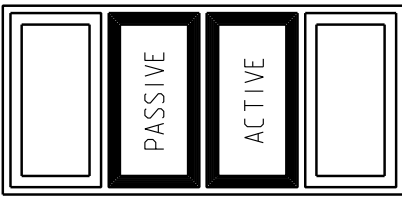
Passive sash with  
dummy mullion



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-966/150 oZ Parallel-Slide hardware<br>installed in universal PVC profiles |       |            |       |   |                 |       |
|                                                                              |       |            |       |   |                 |       |
| Release No.<br>Mod. No.<br>G29593                                            | Level | Released   | Scale |   | Modification    | Size  |
|                                                                              | Ver.  | --         | --    | % | 1               | 1     |
|                                                                              | Draft | 19.08.2015 | Rb    |   | Drawing No.     | Sheet |
| Replacement for --                                                           |       |            |       |   | 0-46714-BL-0-EN | 5/7   |

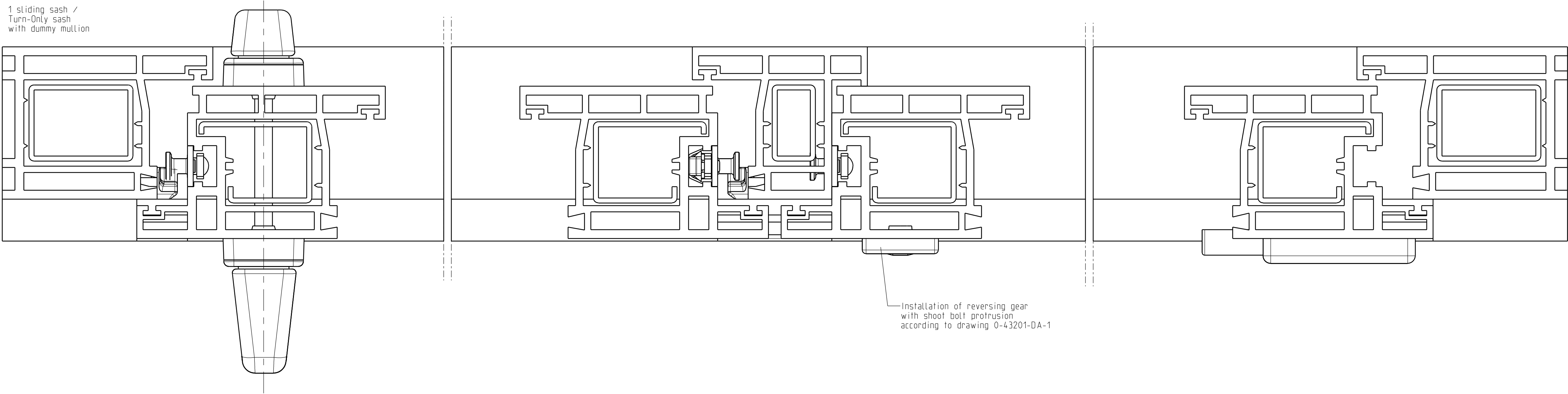


Optional parts:

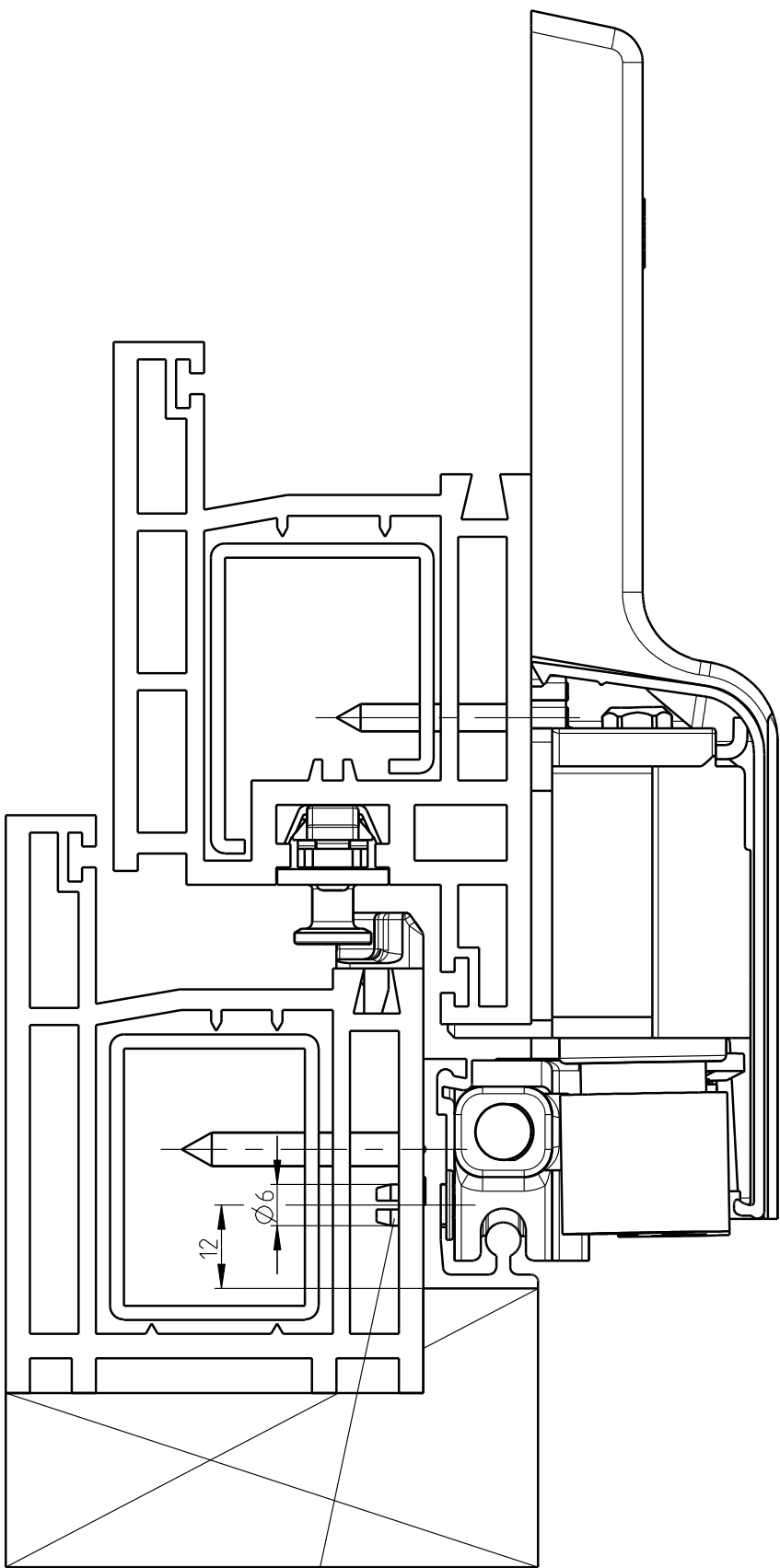
DIRIGENT turn handle outside height 20 mm  
6-25223

Pattern D

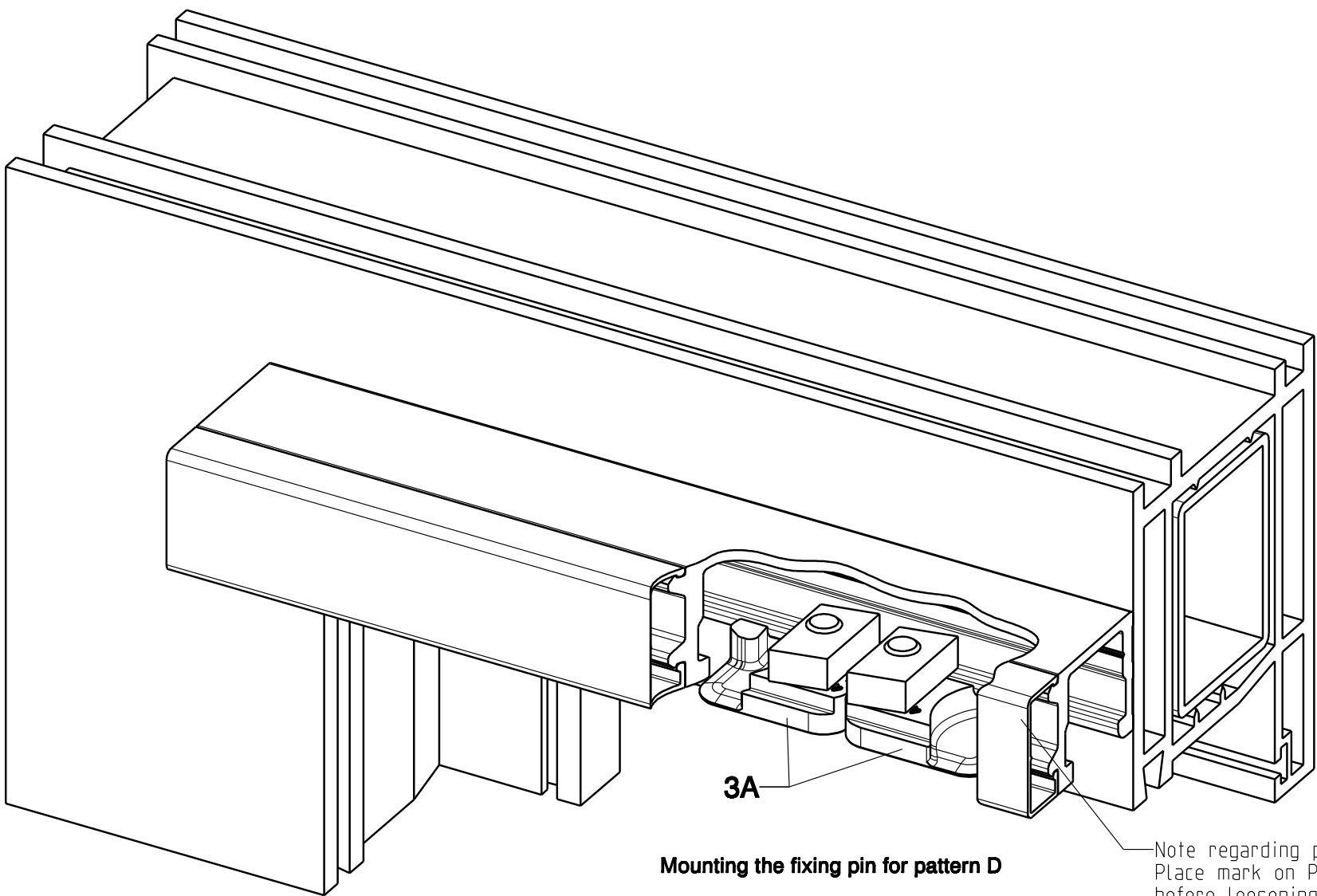
1 sliding sash /  
Turn-Only sash  
with dummy mullion



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



Fixing pin



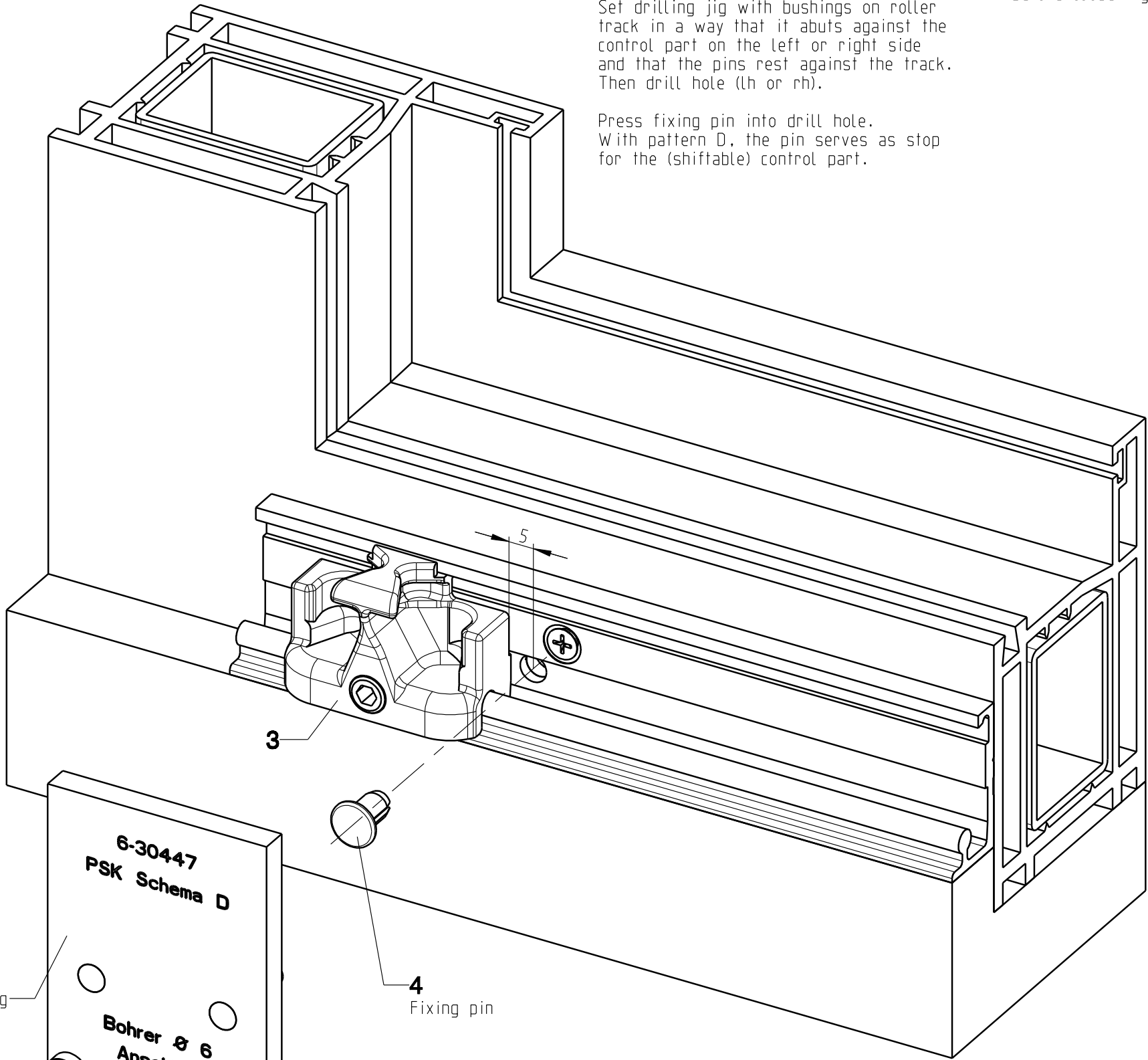
3A

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.

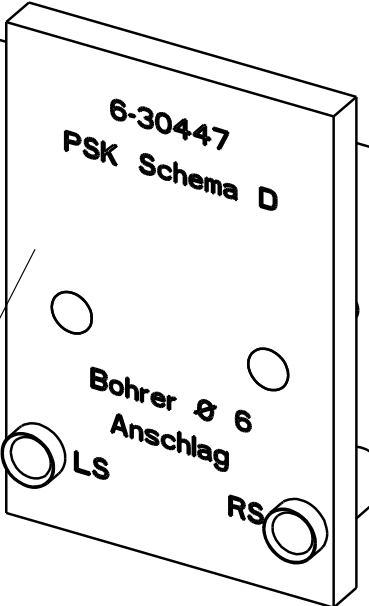
Note regarding pattern D:  
Place mark on P 1931 guide track  
before loosening the control parts.



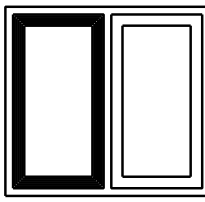
3

4 Fixing pin

Drilling jig  
6-30447  
Drill Ø6



Pattern D



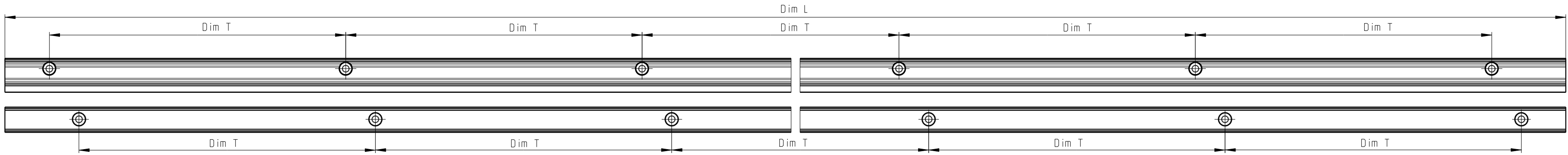
1 sliding sash / 1 Turn-Only sash  
with dummy mullion

Description

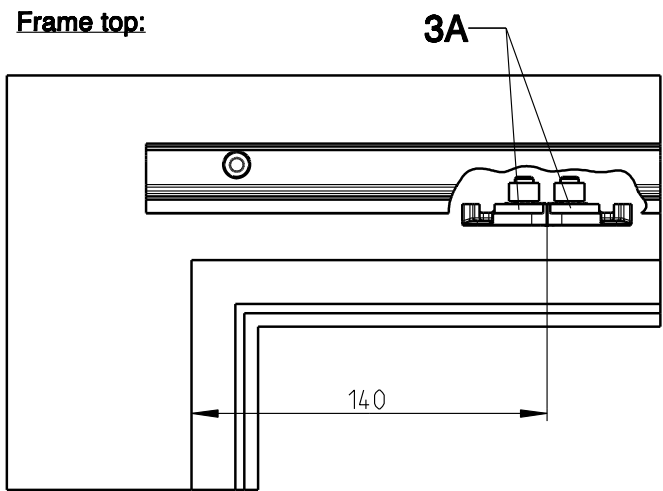
GU-966/150 oZ Parallel-Slide hardware  
installed in universal PVC profiles

| Release No.        | Level | Released   | Scale | Modification    | Size  |
|--------------------|-------|------------|-------|-----------------|-------|
| --                 | --    | --         | %     | 1               | 1     |
| Mod. No.<br>G29593 | Draft | 19.08.2015 | Rb    | Drawing No.     | Sheet |
| Replacement for -- |       |            |       | 0-46714-BL-0-EN | 6/7   |

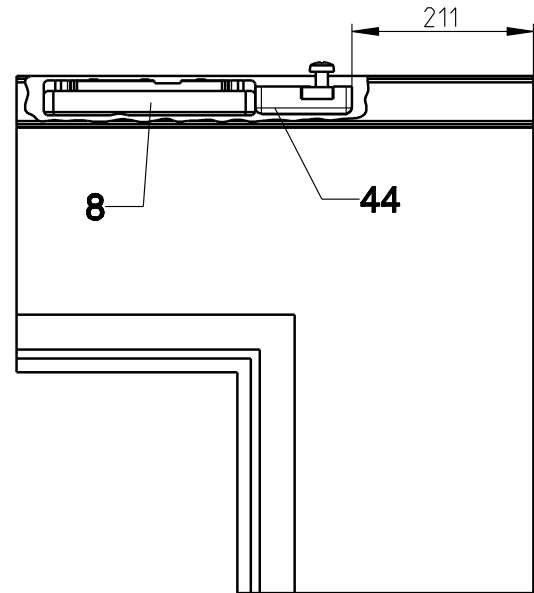
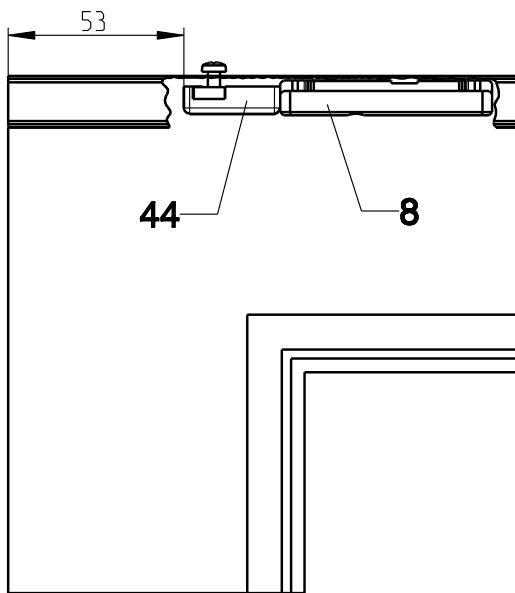




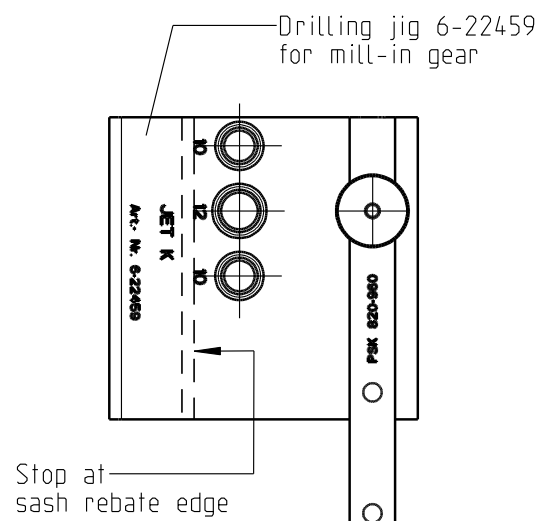
Frame top:



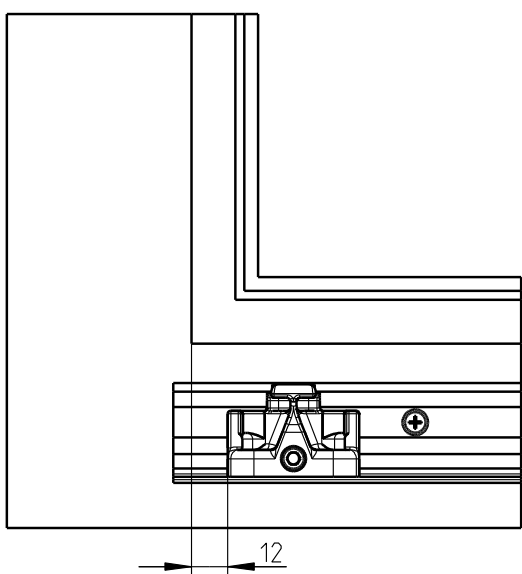
Sash top:



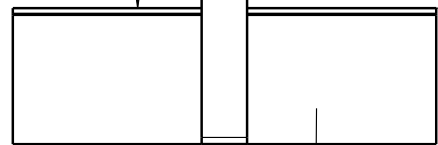
| Size | SRW       | Dim L | Number of screw holes | Hole distance / Dim. T | Application                               |
|------|-----------|-------|-----------------------|------------------------|-------------------------------------------|
| 20   | 600-850   | 1960  | 10                    | 200                    | P 1931 guide track<br>P 1300 roller track |
| 25   | 851-1100  | 2460  | 13                    |                        |                                           |
| 30   | 1101-1350 | 2960  | 15                    |                        |                                           |
| 35   | 1351-1600 | 3460  | 18                    |                        |                                           |
| 40   | 1601-1850 | 3960  | 20                    |                        |                                           |
| 45   | 1851-2000 | 4260  | 22                    |                        |                                           |



Frame bottom:



Stop at sash rebate edge



Stop 9-27406

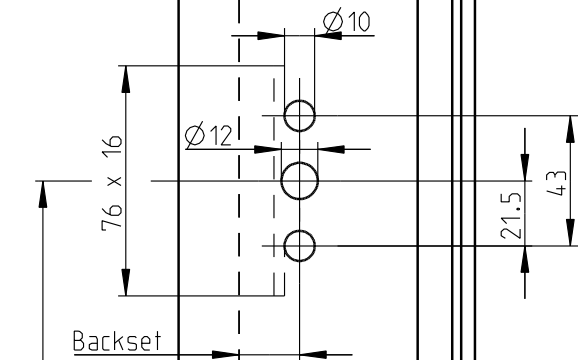
Stop at sash rebate edge

Drilling jig for bogie 9-30424-04

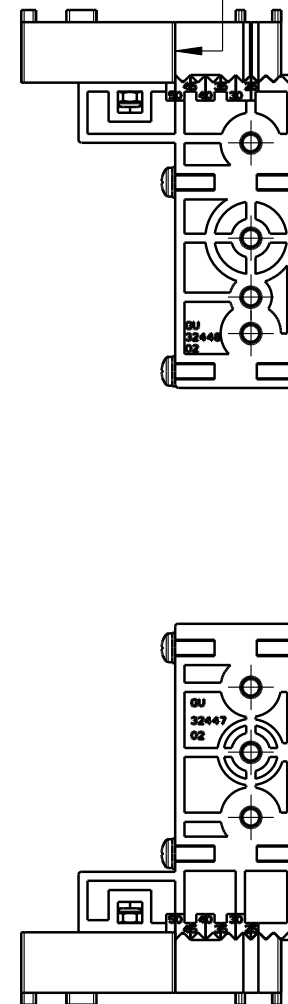
PSK GU 9-30424-04-0-Bog 94

For support of P 1607 at centre of sash

Handle height: door = 990, window = 1400/500/600 (refer to parts list)

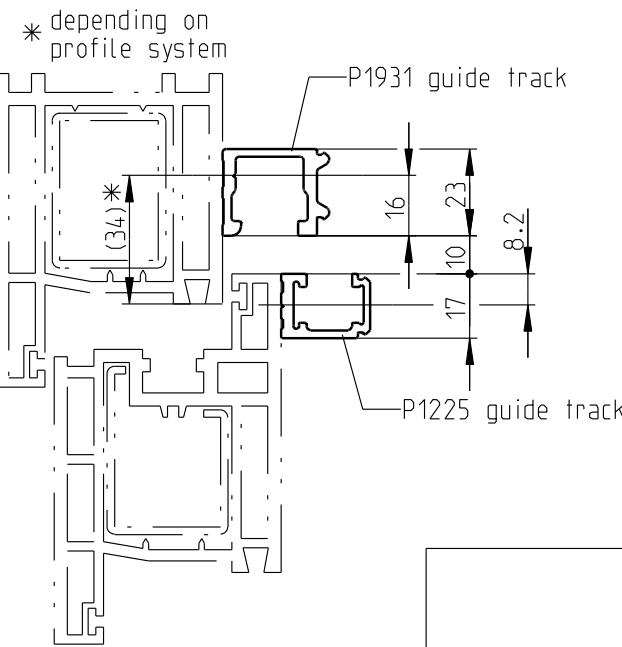
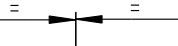


Stop at sash rebate edge

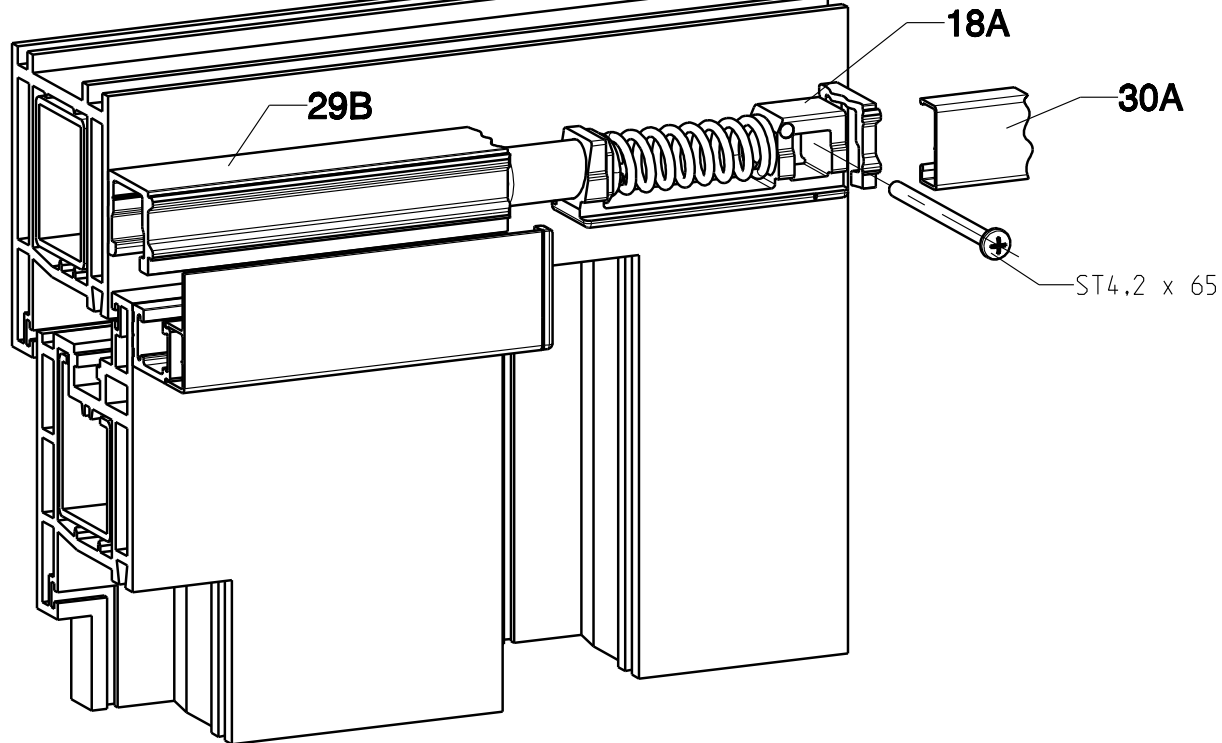
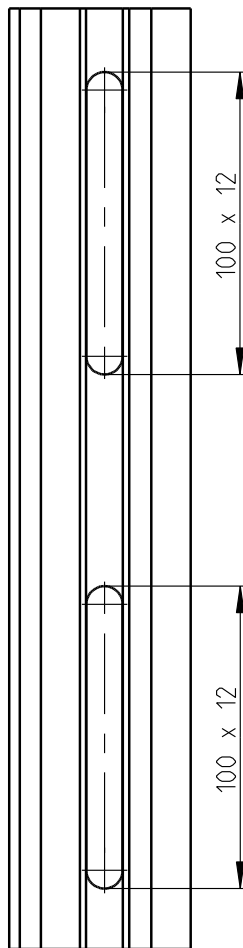
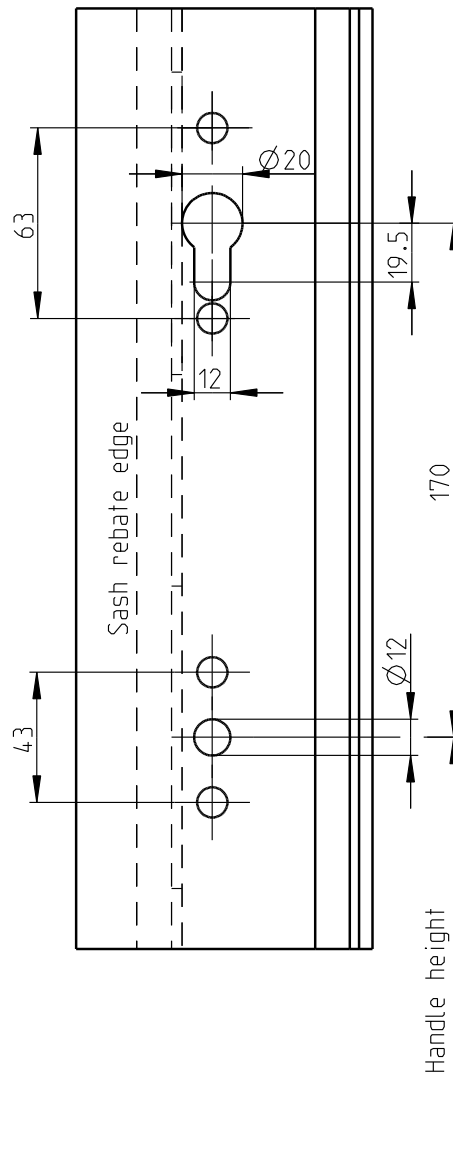


Drilling jig for lockable gear 6-25155

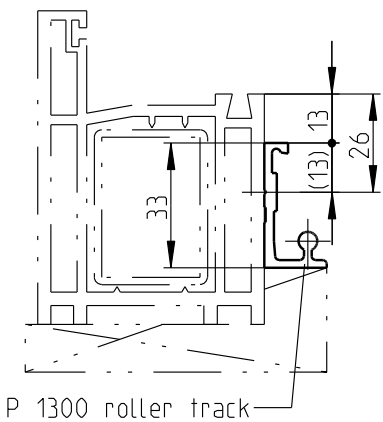
Sash centre



Lockable gear



- Slide sash into open position.
- Move P-S spring-loaded buffer (item 18A) against sash.
- Drill hole in guide track (item 29B) at mark on P-S spring-loaded buffer.
- Screw buffer to guide track.
- Fix cover profile (item 30A).
- Then position and fix spring-loaded buffer (item 18) at the bottom.



P 1300 roller track

Drilling and milling jigs

|                                                                                             |            |          |       |              |                 |  |
|---------------------------------------------------------------------------------------------|------------|----------|-------|--------------|-----------------|--|
| Description<br>GU-966/150 oZ Parallel-Slide hardware<br>installed in universal PVC profiles |            |          |       |              |                 |  |
| Release No.                                                                                 | Level      | Released | Scale | Modification | Size            |  |
| Mod. No.                                                                                    | Ver.       | --       | %     | 1            | 1               |  |
| Draft                                                                                       | 19.08.2015 | Rb       |       | Drawing No.  | Sheet           |  |
| Replacement for --                                                                          |            |          |       |              | 0-46714-BL-0-EN |  |
|                                                                                             |            |          |       |              | 7/7             |  |