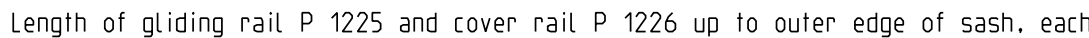


Item	Description					Article no.	Qty. per scheme						
							A	C	D	G	K		
1	Runner	front	lh			6-32544	1	2	1	2			
2			rh			6-29559	1	2	1	2			
3	Control part		lh			6-33329	1	2	1	2			
4	Fixing pin	only with scheme D				9-39897	--	--	1	--			
5	Stay arm	front	GR 9	lh		6-32204-09	1	--	1	2			
			GR 13	rh		6-32204-13							
5A	Stay arm scheme C active sash	front	GR 9	lh		6-34983-09	--	1	--	--			
			GR 13	rh		6-34983-13							
5B	Stay arm scheme C passive sash	front	GR 9	lh		6-32535-09	--	1	--	--			
			GR 13	rh		6-32535-13							
6	Stay arm	rear	GR 9	lh		6-32537-09	1	2	1	2			
			GR 13	rh		6-32537-13							
7	Cover					9-35573	2	4	2	4			
8	Stay arm glider					6-22755	2	4	2	4			
9	Corner transmission front					6-32539	1	--	1	2			
9A	Front corner transmission scheme C, active sash					6-34992	--	1	--	--			
9B	Front corner transmission scheme C, passive sash					6-32543	--	1	--	--			
10	Corner transmission rear					6-32550	1	2	1	2			
12	Geared handle DIRIGENT			lh or rh		6-24542	1	2	1	2			
13	Threaded sleeve					9-30705	2	4	2	4			
14	Countersunk screw M5x20 DIN 965					9-13133-20	2	4	2	4			
15	Coupling piece	GR 9	Overlap thickness 14-20			9-30111	1	2	1	2			
		GR 13	Overlap thickness 15-21,5			9-31015							
		GR 13	Overlap thickness 21,5-28	optional		9-40291							
16	Dome headed screw M5x6 DIN 7985					9-13290-06	2	4	2	4			
17	Plug			lh		9-38542	1	2	1	2			
18	Spring-loaded buffer			rh		6-29565	1	2	1	2			
19	Support					9-38522	1	2	1	2			
20	Centre piece, vertical	SRH	Length	TZ	Handle height	2	3	2	4				
		820-995	465	--	440					6-32304-01			
		996-1120	590	1	440					6-32304-02			
		1121-1370	840	1	500					6-32304-03			
		1371-1620	1090	1	600					6-32304-04			
		1621-1870	1340	2	600					6-32304-05			
		1871-2120	1590	2	980					6-32304-06			
21	Centre piece, horizontal	SRW	Length	TZ		2	4	2	4				
		720-890	730	0						6-32307-02			
		891-1100	480	1						6-32307-01			
		1101-1350	730	1						6-32307-02			
		1351-1600	980	2						6-32307-03			
		SRW	Length							9-25476-06			
		720-850	600								9-25476-09		
851-1100	850			9-25476-11									
25	Rod Ø8	1101-1350	1100			1	2	1	2				
		1351-1600	1350							9-25476-14			
					6-24764								
26	Guide	from SRW 1101					6-24764	1	2		1	2	
27	Cover rail P 1607, bottom	SRW	Length				9-38803-08	1	2	1	2		
		720-850	785			9-38803-11							
		851-1100	1035									9-38803-13	
		1101-1350	1285										9-38803-16
		1351-1600	1535										
28	Running rail P 1300					9-31483-99			1				
29	Gliding rail P 1225					9-30140-99			1				
30	Cover rail P 1226					9-30141-99			1				
31	Plug f. gliding rail					9-30142			2				
32	Locking plate, zinc					See table of locking and positioning plates							
34	Positioning plate					See table of locking and positioning plates							
52	Wrong operation safety device					K-17060-00-9	1	2	1	2			
53	Locking plate SE, steel					See table of locking and positioning plates							
54	Locking plate SE, steel					See table of locking and positioning plates							
57	Rebate clearance restrictor					See table of locking and positioning plates							
58	Sash centering device					9-43223	1	2	1	2			
65	Rebate shoot bolt ZK	SRH	Length	ML	Handle height	6-33018-04	--	1	--	--			
		1371-1620	1090	1	495						6-33018-55		
		1621-1870	1340	1	703								
66	Rebate shoot bolt ZH	SRH	Length	ML	Handle height	6-33017-04	--	1	--	--			
		1371-1620	1090	1	495						6-33017-55		
		1621-1870	1340	1	703								
69	Rebate lever ZK					6-25020	--	1	--	--			
69A	Spax countersunk screw 4x70					9-13246-70	--	2	--	--			
77	Locking plate scheme C					See table of locking and positioning plates							
77A	Countersunk screw M4x10					See table of locking and positioning plates							
78	Mushroom pin locking plate scheme C					See table of locking and positioning plates							
79	Locking plate scheme C (zinc), short					See table of locking and positioning plates							
80	Locking plate SE scheme C (steel), short					See table of locking and positioning plates							
81	Locking plate SE scheme C (steel), short					See table of locking and positioning plates							

Table of locking and positioning plates																											
	Description	Rebating	Article no.	SRW	SRH	Basic security Qty. per scheme				Enhanced basic security Qty. per scheme				WK 2				SRH	C								
						A	D	G	K	A	D	G	K	A	D	G	K		without false mullion (Qty. per scheme)			with false mullion (Qty. per scheme)					
																			Basic security	Enhanced basic security	WK2	Basic security	Enhanced basic security	WK2			
32	Locking plate, zinc	Euro rebate 18x8	9-42301-18	720-890	820-995	3	6		1	2			1	2	1371-1620	6		4	2	10	5	2					
					996-1620	5	10		3	6					1621-1870	8		6		13	8						
					1621-2370	7	14		5	10			for anti-lift security device on rear corner transmission		1871-2370	10		8		16	11						
		Euro rebate 20x8	9-42301-20	891-1350	820-995	5	10		3	6					1371-1620	10		8		14	9						
					996-1620	7	14		5	10					1621-1870	12		10		17	12						
					1621-2370	9	18		7	14					1871-2370	14		12		20	15						
		Euro rebate 24x8	9-42654-00		820-995	7	14		5	10			for anti-lift security device on rear corner transmission		1371-1620	14		12		18	13						
53	Locking plate SE, steel	Euro groove 7/8x4	9-42620-00	1351-1600	996-1620	9	18		7	14					1621-1870	16		14		21	16						
					1621-2370	11	22		9	18					1871-2370	18		16		24	19						
		Euro rebate 18x8	6-32207-18																								
		Euro rebate 20x8	6-32207-20				2	4		4	8	--	--	--		4		6	--	5	10	--					
		Euro rebate 24x8	6-32584-00																								
		Euro groove 7/8x4	6-32471-00																								
54	Locking plate SE, steel	Euro rebate 18x8	6-33082	720-890	820-995								4	8	1371-1620			8				13					
					996-1620								6	12	1621-1870			10				16					
					1621-2370								8	16	1871-2370			12				19					
		Euro rebate 20x8	6-33585	891-1350	820-995	--	--		--	--			6	12	1371-1620			12				17					
					996-1620								8	16	1621-1870	--	--	14		--		20					
					1621-2370								10	20	1871-2370			16				23					
		Euro rebate 24x8	6-32584		820-995								8	16	1371-1620			16				21					
34	Positioning plate	Euro groove 7/8x4	6-33082-07	1351-1600	996-1620								10	20	1621-1870			18				24					
					1621-2370								12	24	1871-2370			20				27					
		Euro rebate 18x8	9-43636-18																								
		Euro rebate 20x8	9-43636-20		--		3	6		3	6																
		Euro rebate 24x8	9-43636-24																								
		Euro groove 7/8x4	9-30430-00																								
57	Rebate clearance restrictor	9-43219			2	4		4	8		4	8					--										
					optional			optional		standard																	
77	Locking plate scheme C	9-31960			--									1371-1620	2		1		--	--	--	--					
														1621-1870	3		2										
														1871-2370	4		3										
77A	Countersunk screw M4x10	9-13281-10			--									1371-1620			2		--	--	--	--					
														1621-1870			3										
														1871-2370			4										
78	Mushroom pin locking plate scheme C	9-39189			--									1371-1620					3								
														1621-1870	1		2		4	--	--	--					
														1871-2370					5								
79	Locking plate scheme C (zinc), short	Euro rebate 18x8	9-46000-01																								
		Euro rebate 18x8	9-46000-02				--									2		--	--	(2 if Dim Z < 33)	--	--					
		Euro rebate 24x8	9-46000-03																								
		Euro groove 7/8x4	9-46000-04																								
80	Locking plate SE scheme C (steel), short	Euro rebate 18x8	9-46000-05																								
		Euro rebate 18x8	9-46000-06				--									--		2	--	--	(2 if Dim Z < 33)	--					
		Euro rebate 24x8	9-46000-07																								
		Euro groove 7/8x4	9-46000-08																								
81	Locking plate SE scheme C (steel), short	Euro rebate 18x8	9-46000-09																								
		Euro rebate 18x8	6-35349-00				--									--		--	2	--	--	(2 if Dim Z < 50)					
		Euro rebate 24x8	9-46000-07																			(2 if Dim Z < 33)					
		Euro groove 7/8x4	9-46000-10																			(2 if Dim Z < 50)					



⦿ Lubricate all locking, moving, and bearing points with a lubricant free of resin and acid.

Drilling and cutting according to specified dimensions, preferably by means of appropriate jigs. Peripheral rebate clearance 12 mm.

All fitting components are mounted in tilt position

1. Mount corner transmissions (items 9,10) at bottom and stay arms (items 5, 6) at top and put in tilt position, each.



2. Cut to length vertical centre pieces (item 20), lockable gear (item 41, if used), and horizontal centre piece (item 21); engage them in corner transmissions and angle stay arms, each, and fasten with screws. (Correct mounting position predefined by arresting pin: centre of mushroom pin must be aligned with marking notches).
- Note: when cutting the horizontal centre pieces size 01, ensure that the long toothed section is flush with the gear end.

3. Slide connecting plates over centre pieces/gear until stop and fasten with screws.



5. Mount geared handle (item 12); ensure that carrier piece engages in the coupling.
Alternative: mount handle item 35
6. Fasten front (item 1) and rear runner (item 2).
7. Fasten support (item 19) at centre of sash.
8. Cut connecting rod (item 25) and insert into rear runner. Tighten screws and insert rod into front runner. Put runners to closed position and firmly tighten screw on front runner. Tightening torque 10 - 12 Nm.

9. Insert locking plates and positioning plates using the appropriate jigs as shown in drawing.

10. Cut gliding rail P 1225 (item 29) and cover rail P 1226 (item 30) to length. Mount gliding rail, insert stay arm glider (item 8) and attach covers (item 31).
11. Cut running rail P 1300 (item 28) to length and mount.
12. Slide control part (item 3) onto running rail and tighten screws firmly using an Allen key size 4. Tightening torque 10 - 12 Nm. For elements without mutation (scheme D) use drilling jig 6-30447.

13. Put fittings in tilt position (lever handle in horizontal position)

14. Place sash on running rail in inclined position. Insert stay arm pin fully into glider (item 8) and tighten with Allen key size 4 (see sheet 3). Verify fastening is secure by pulling on stay arm vigorously.

15. If sash is not parallel in horizontal direction:
Loosen clamping screws for connecting rod on front runner
align sash in parallel, retighten screws firmly.

16. Sash is not parallel in vertical direction:
 - Pull out catches for height adjustment on front and rear runner.
 - Align the sash vertically using a 4mm Allen key.
 - Push catches back in again.
17. If sash does not run centrally into frame:
 - Loosen clamping screws on control part to adjust it as required.
 - Retighten screws firmly.
18. Mount sash centering device (item 58) centrally.
 - Align by sliding, if necessary.
19. Mount spring-loaded buffer (item 18) onto running rail according to the opening width desired, then tighten with 4mm Allen key.
20. Clip cover rail P 1226 (item 30) onto gliding rail P 1225 (item 29).
21. Cut cover rail P 1607 (item 27) and clip it between runners.
22. Insert covers (item 17) from above until they snap in.
23. Running rail P 1300 (item 28) must be supported over its total length and fixed to the frame with screws.

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

The responsibility for the appropriate fastening of fitting components rests with the window/ window door fabricator.

Fitting components illustrated in ex factory state

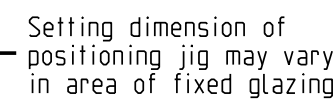
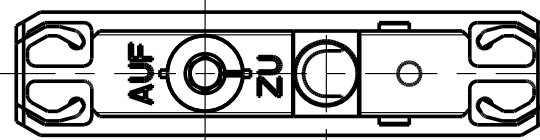
Overview of fitting components

Description

Parallel Slide and Tilt Fittings GU-966/150 mZ TZ (automatic locking pin)
Timber - Euro groove 18x8, 20x8, 24x8 and Euro rebate 7/8x4

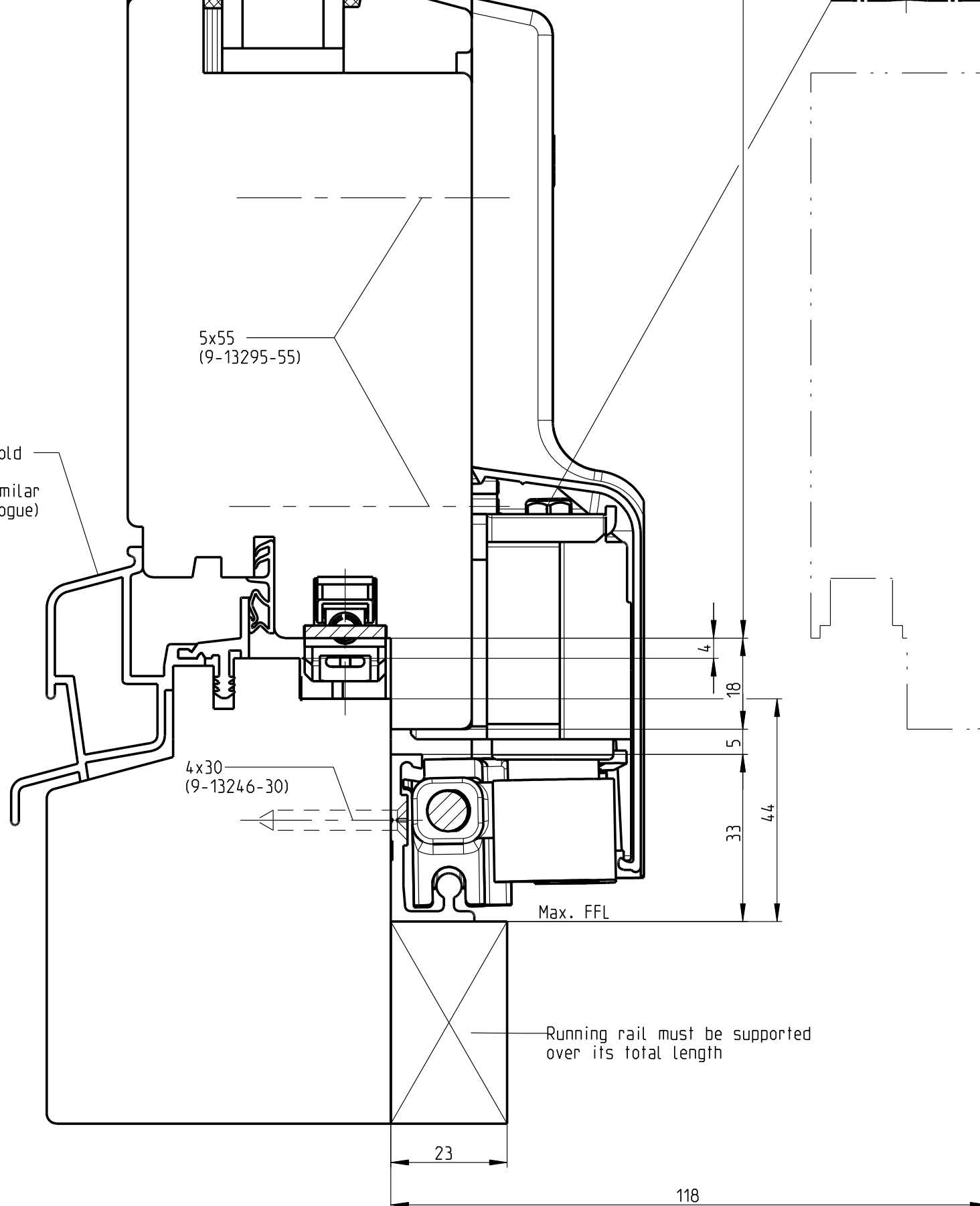
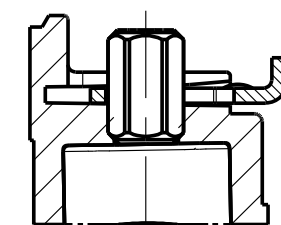
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	--	Ver.	--	--	%	2	1		
	Mod. No. G26808	Draft	20.01.2011	Mo					
	Replacement for --								
	0-45842-BL-0-GB							Sheet	

locked



*Euro rebate 24x8 requires groove 13.

Height adjustment
on runner
(see sheet 2, item 16)



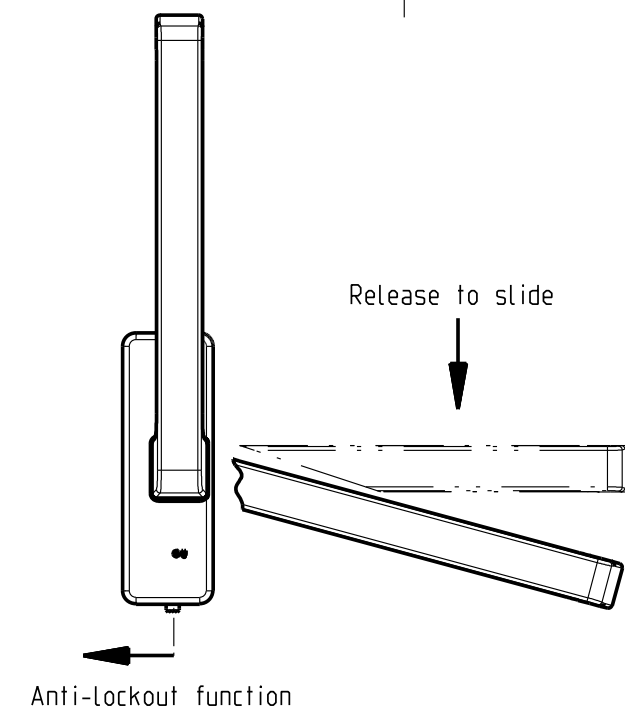
Technical drawing of a window frame assembly, showing cross-sections and dimensions. The drawing includes a side view of the frame and a detail view of the sash and frame connection.

Dimensions and labels:

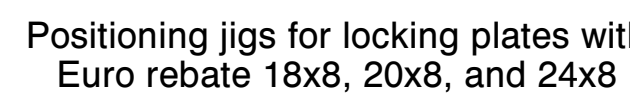
- 12
- 8
- 18 (20, 24)
- 10
- Overlap thickness
- Support running rail with shims up to outside edge of frame
- Length of running rail up to outside edge of sash
- 6
- Cover rail P 1607
- Sash rebate width SRW
- Interior frame width IFW
- Total frame width TFW
- 6
- End of running rail
- Mounting the spring-loaded buffer

Diagram illustrating the removal of the spring-loaded pin from the front of the unit. The pin is shown being pulled out of the front panel.

6	End of running rail
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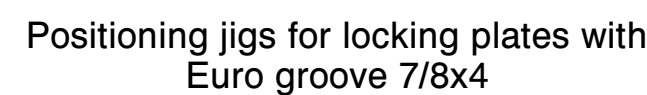
[illegible]

Assembly of side hung fittings
to drawing 0-44324 (basic security)
and 0-44917 (WK)



SRH 820-1120	6-32988-04
SRH 1121-1870	6-32988-03
SRH 1871-2370	6-32988-02
SRW 890-2100	6-32988-01

lin. for positioning plates	6,200 (5)
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SRH 820-1120	6-32988-04
SRH 1121-1870	6-32988-03
SRH 1871-2370	6-32988-02
SRW 890-2100	6-32988-01

Jig for positioning plates	6-29945
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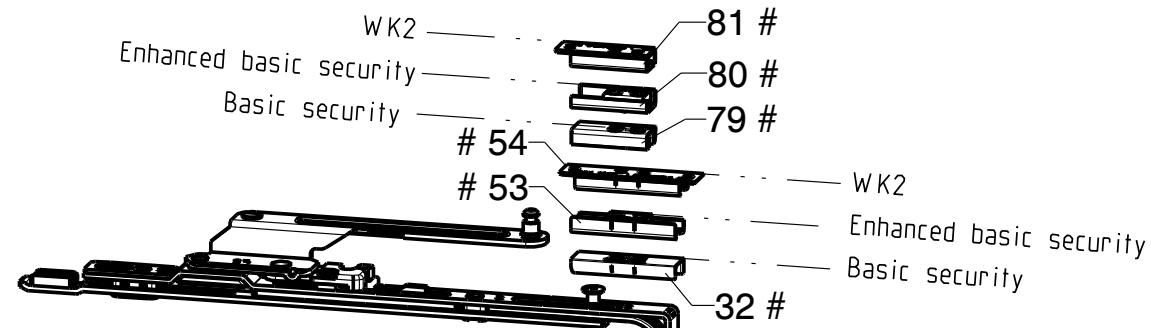
Sliding sash/fixed glazing

Description

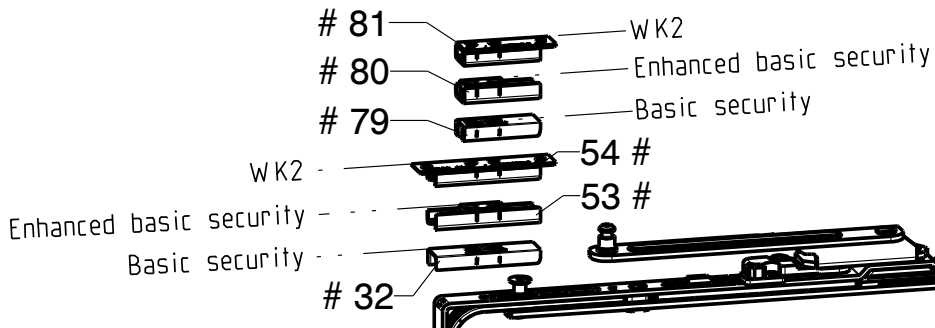
Parallel Slide and Tilt Fittings GU-966/150 mZ TZ (automatic locking pin)
Timber - Euro groove 18x8, 20x8, 24x8 and Euro rebate 7/8x4

	Release No. --	Level	Released		Scale	Modification	Size
	Mod. No. G26808	Ver.	--	--	%	2	1
		Draft	20.01.2011	Mo			
		Replacement for --					
0-45842-BL-0-GB						Sheet	3 / 3

Passive sash



If locking plates item 79, 80, or 71 are used (see table of locking plates sheet 1), the number of locking plates 32, 53, or 54 is reduced by 2, each.



Active sash

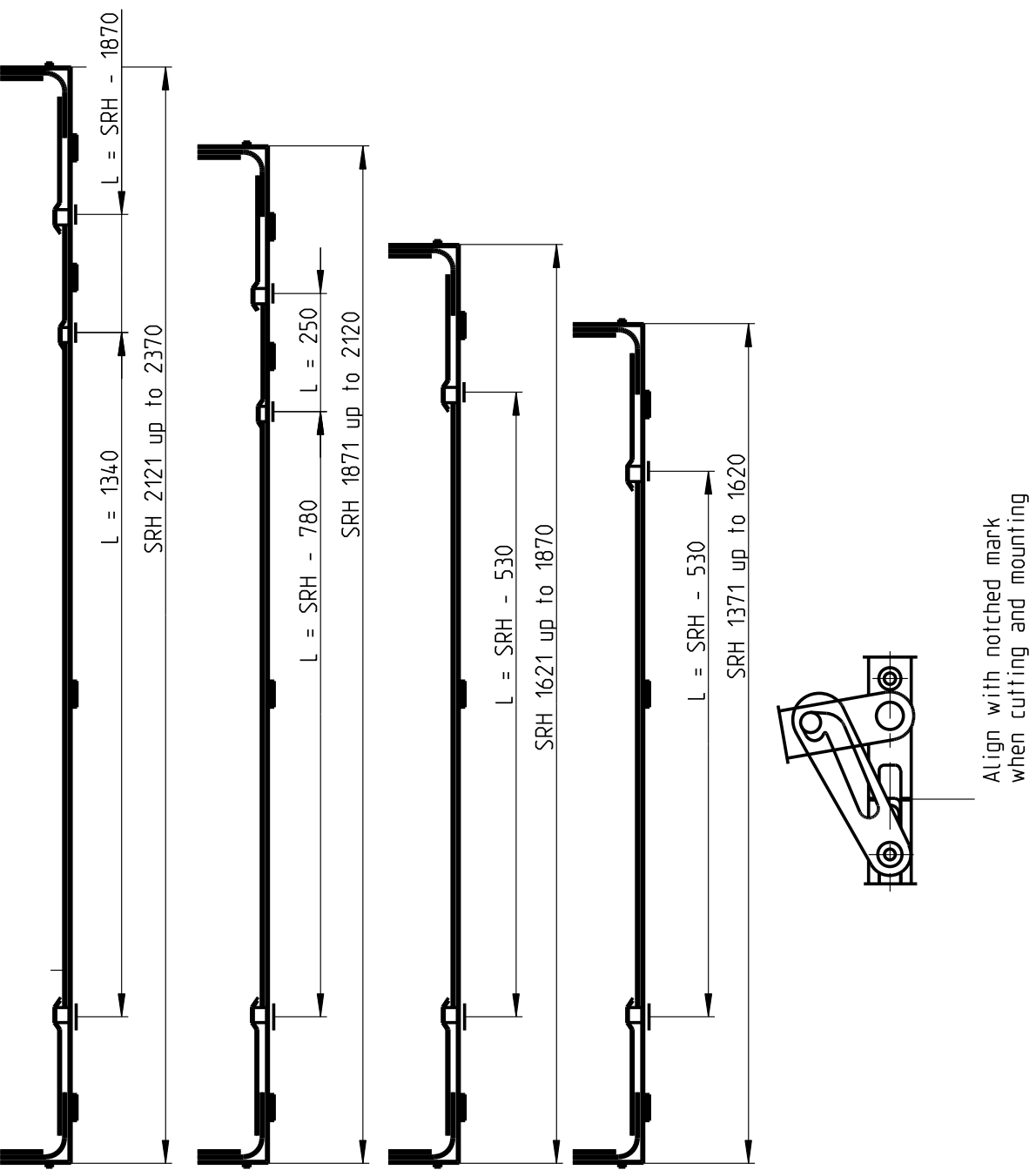
Mounting instructions

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

Mounting on sash

All fitting components are mounted in tilt position.

1. Mount corner transmissions (item 9) and stay arms (item 5) and put in tilt (= mounting) position, each.
2. Cut extensions (item 45 and 45 A) to length, engage in stay arms, each, and fasten with screws. For cutting dimensions see illustration below.
3. Cut to length vertical centre piece(s) (item 20) or lockable gear (item 41 or 41A), rebate shoot bolt ZK or ZH (item 65 or 66), and horizontal centre pieces (item 20). Cutting dimensions for centre pieces and extensions see illustration below. Correct mounting position predefined by arresting pin, engage in corner transmission, each, and fasten with screws. Rebate shoot bolt ZH (item 66) to be aligned with notched mark (see illustration below).



4. Mount locking plates (item 77 or 78) with countersunk screws M4 x 10 or Spax 4 x 40 (or similar, as for corner transmission).

With false mullion:

5. Mount the prepared false mullion.
6. With rebate shoot bolt ZK (item 65) cut tappets to correspond to width of false mullion (Dim. X).

Example:

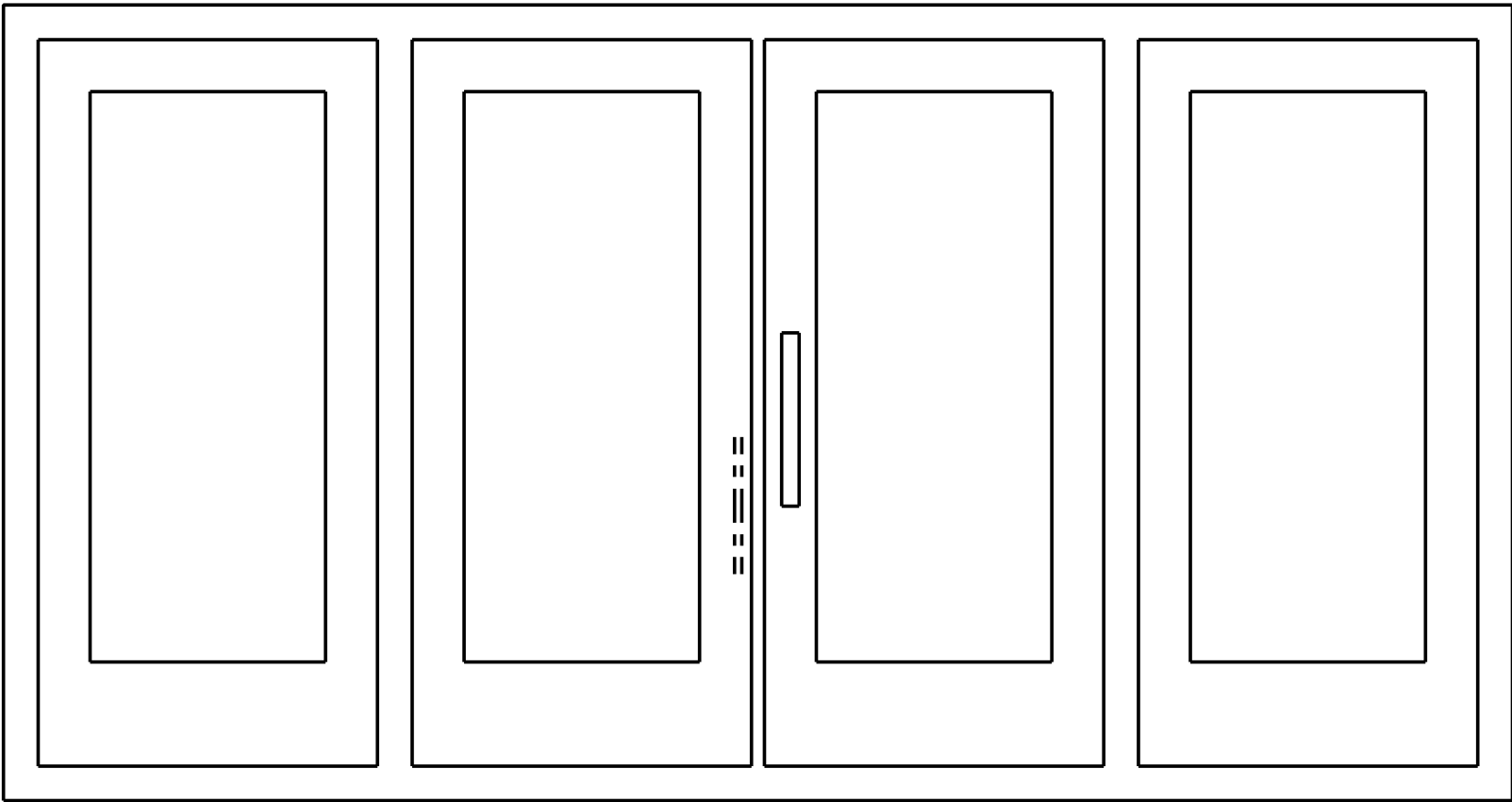
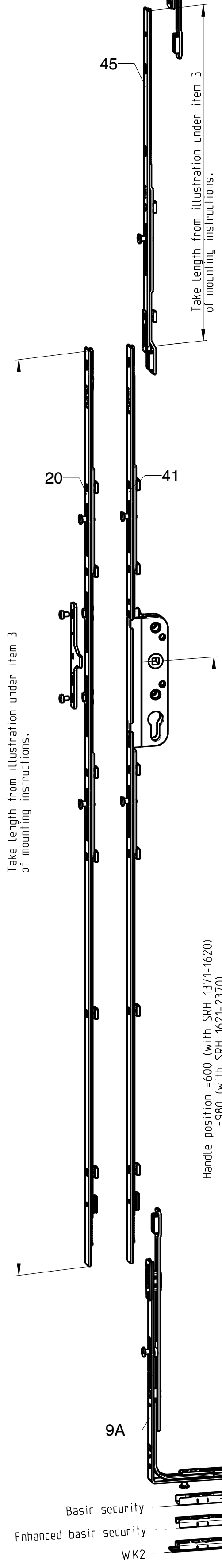
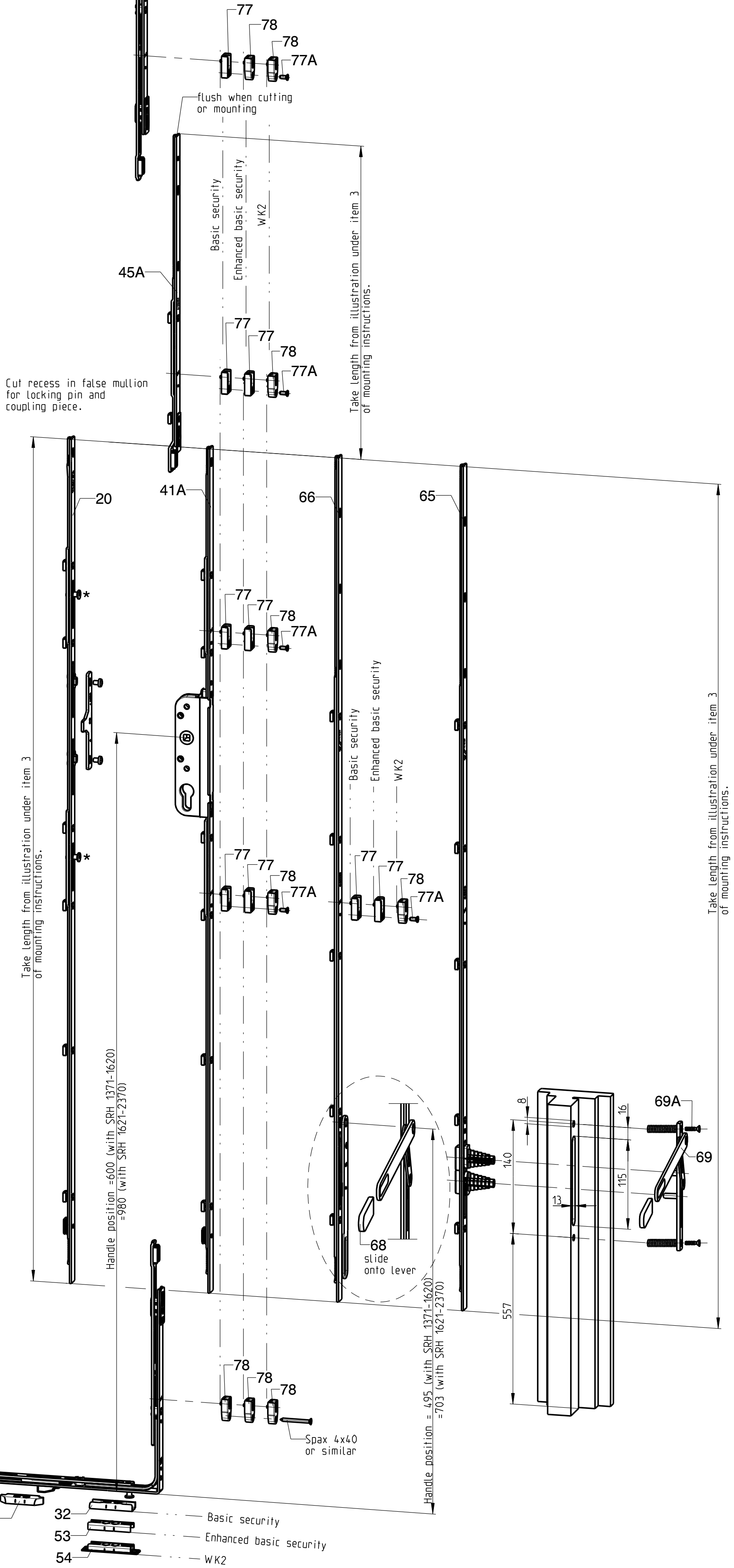
Dim X = 28 mm rounded down to the next five = 25 mm; cut carriers to a dimension between 25 mm and 30 mm.

7. Mount rebate shoot bolt ZK (item 65) with lever in horizontal position.
8. Attach locking plates to false mullion with screws.

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

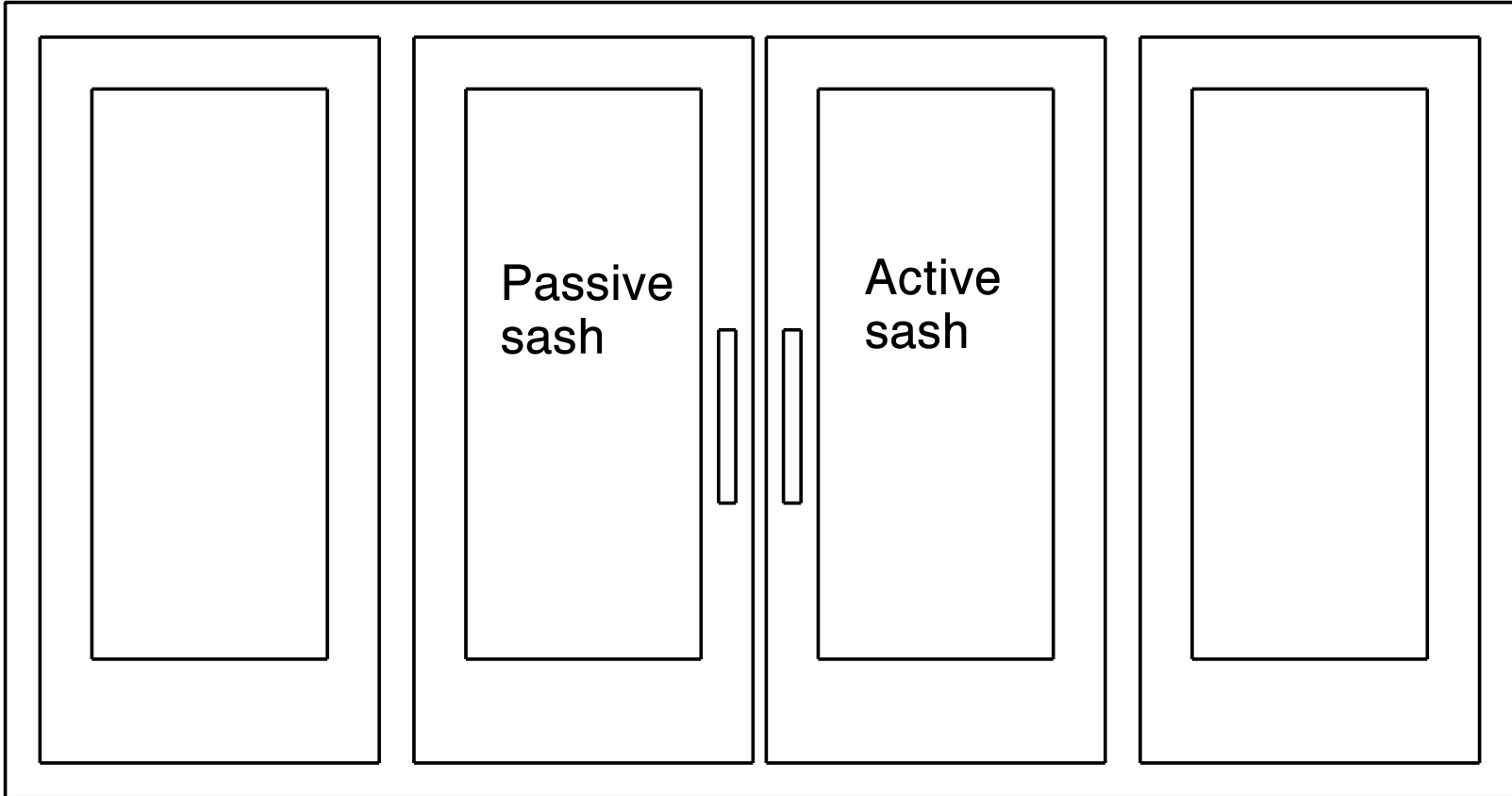
The responsibility for the appropriate fastening of fitting components rests with the window/ window door fabricator.

Fitting components illustrated in ex factory state



Passive sash with rebate shoot bolt
drawing shows rh shoot bolt
lh shoot-bolt laterally reversed

Active sash
drawing shows lh lever handle
rh lever handle laterally reversed



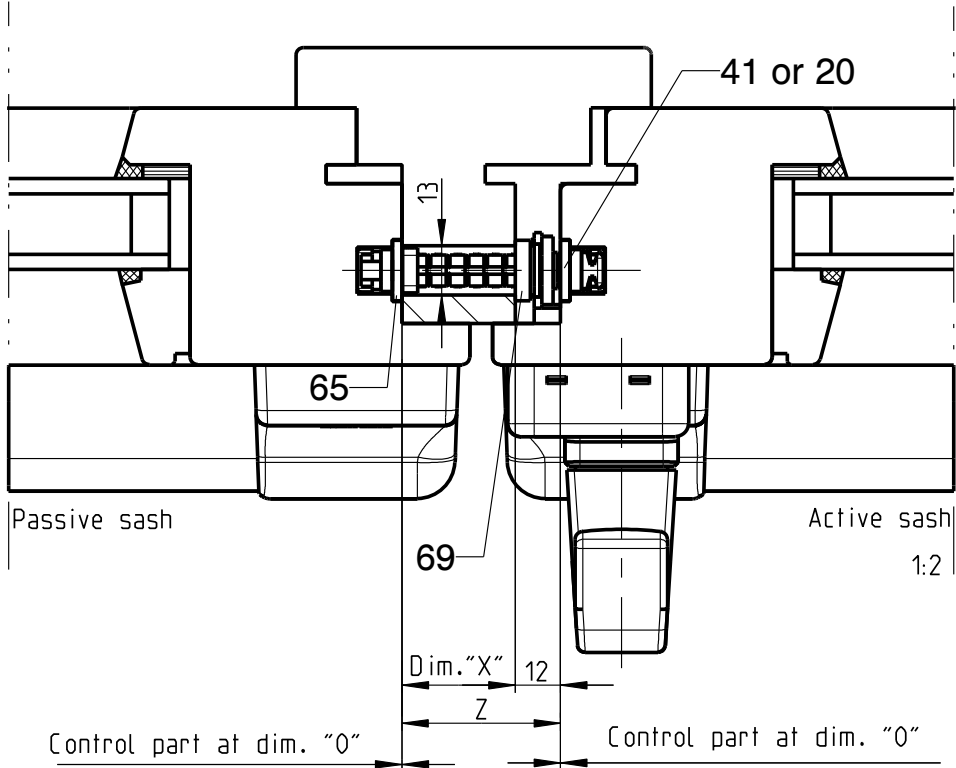
Active sash to be opened first and closed last.

Scheme C / Overview of fitting components

Description						
Parallel Slide and Tilt Fittings GU-966/150 mZ TZ (automatic locking pin) Timber - Euro groove 18x8, 20x8, 24x8 and Euro rebate 7/8x4						
GU	Release No.	Level	Released		Scale	Modification
	Ver.	--	--	--	%	2
	Mod. No. GZ6808	Draft	20.01.2011	Mo		Drawing No.
Replacement for --						0-45842-BL-0-CB
						Sheet 1

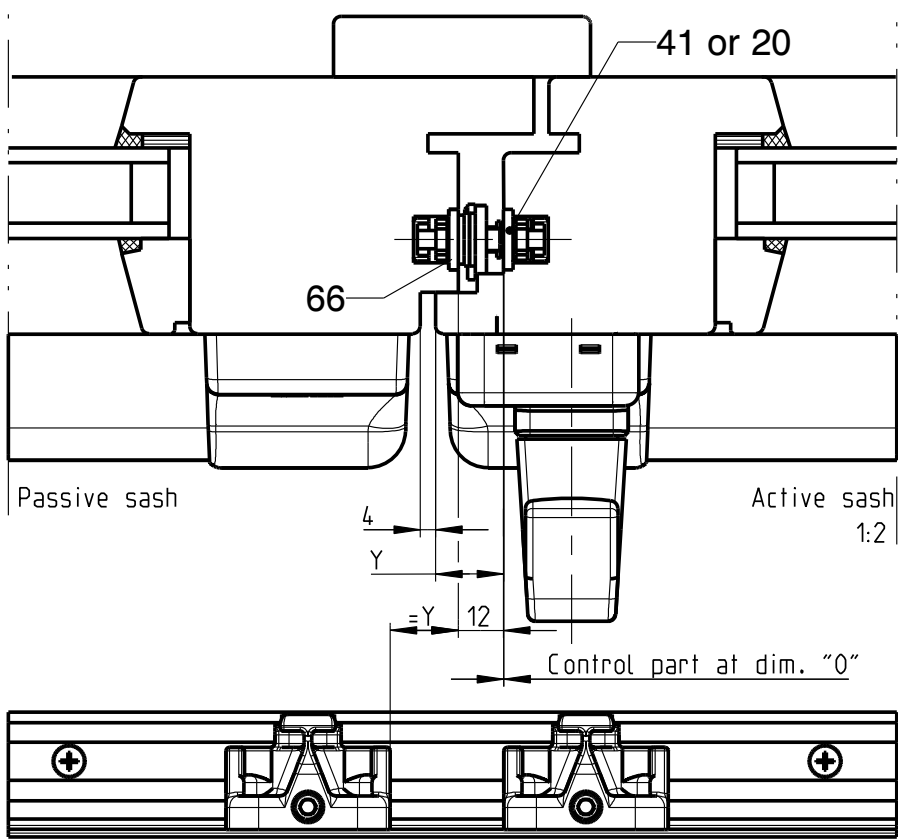
Passive sash with rebate shoot bolt ZK

Central area with false mullion



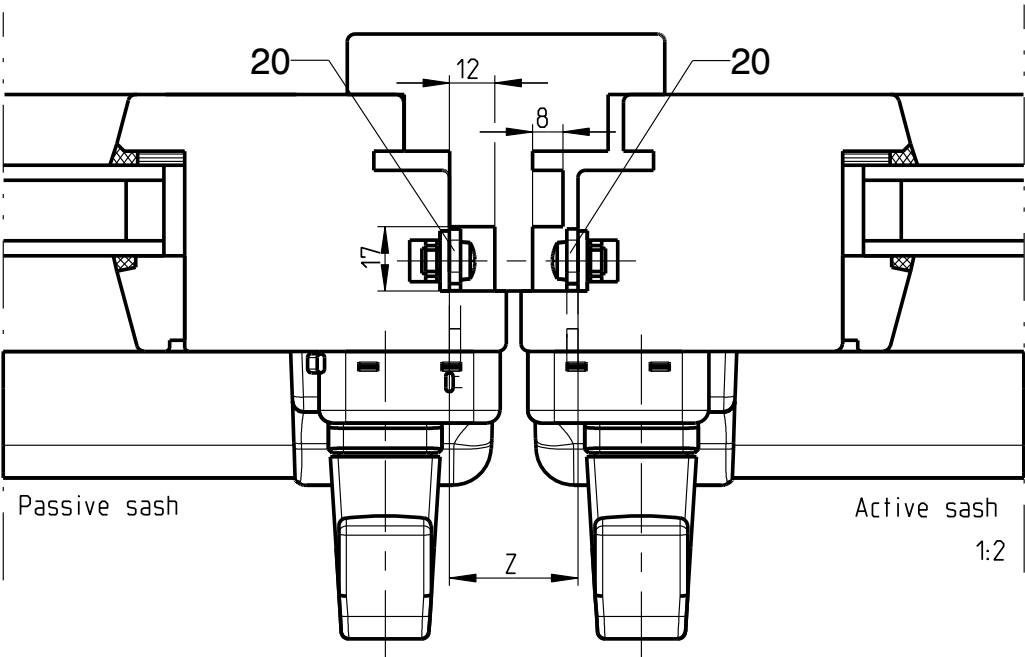
Passive sash with rebate shoot bolt ZH

Central area without false mullion

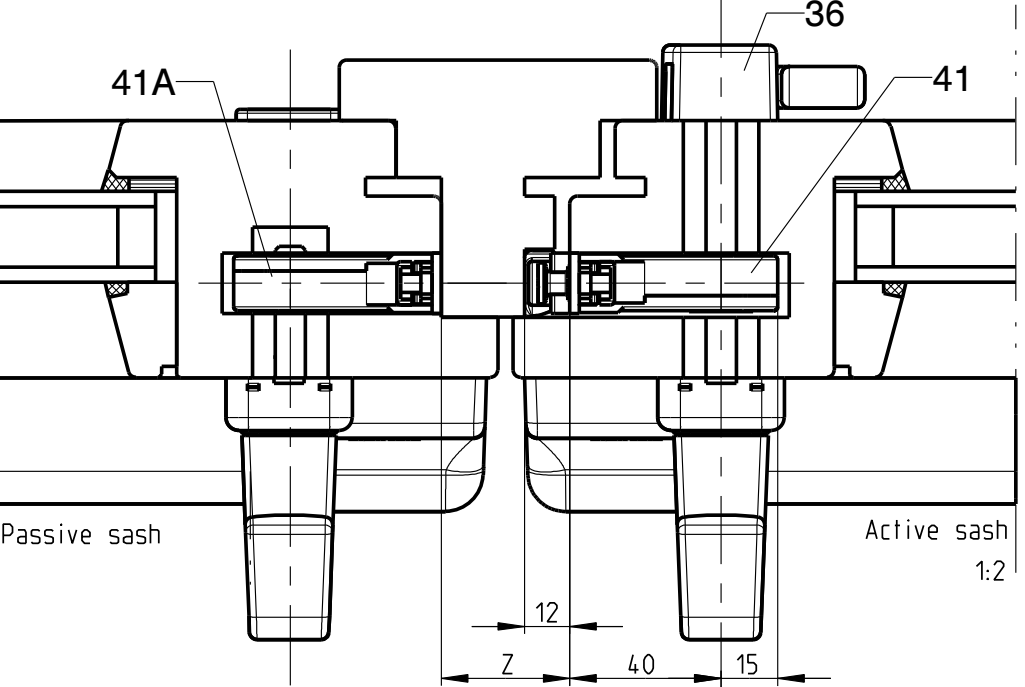


Both sashes with lever handle

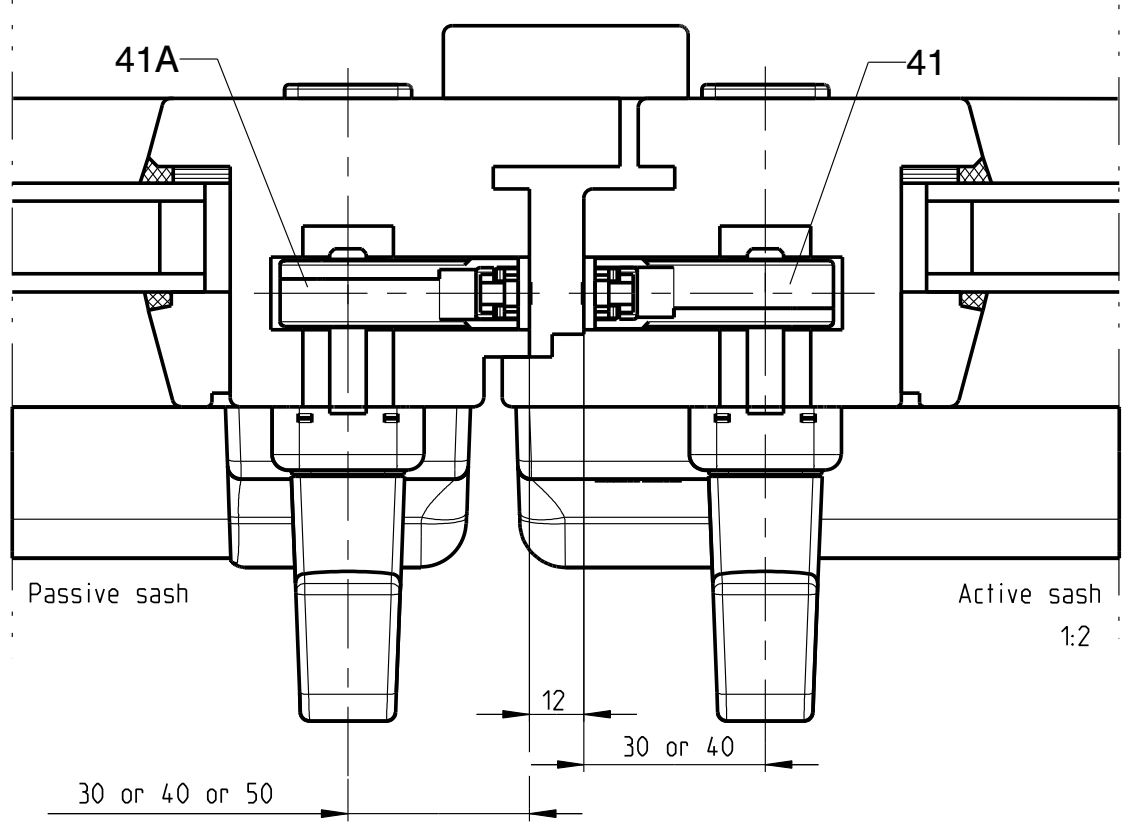
Passive sash with false mullion



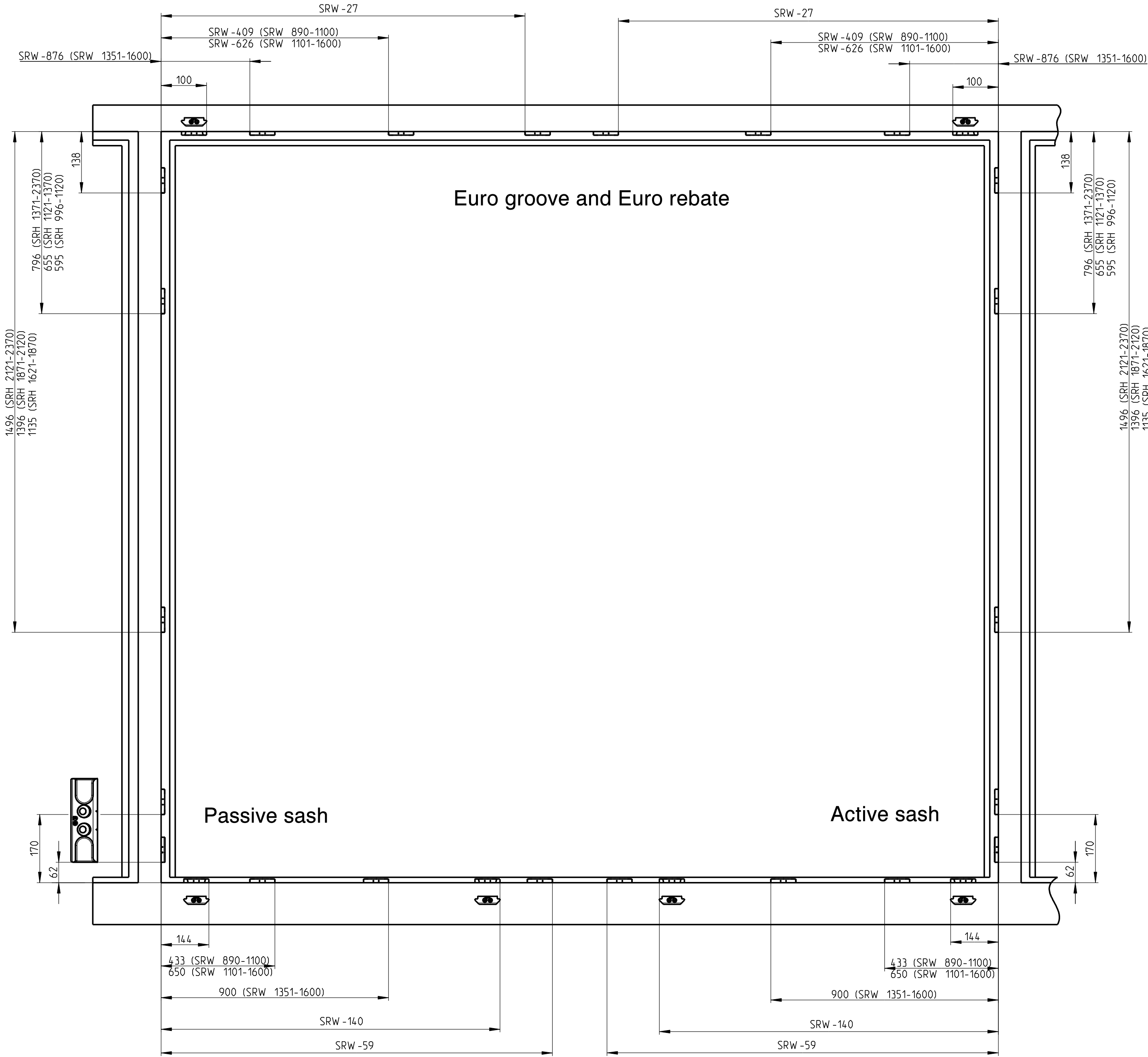
Passive sash with false mullion



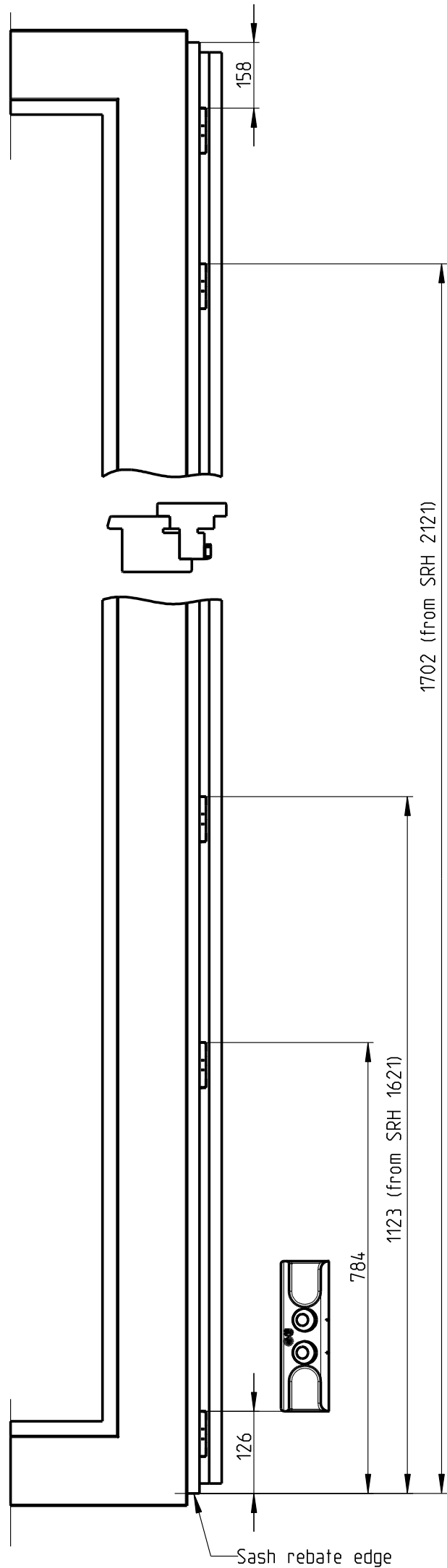
Central area without false mullion



Euro groove and Euro rebate

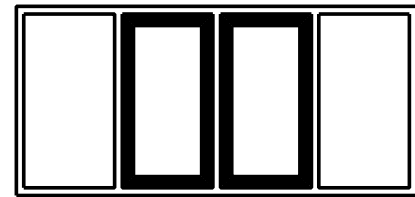


Passive sash with false mullion

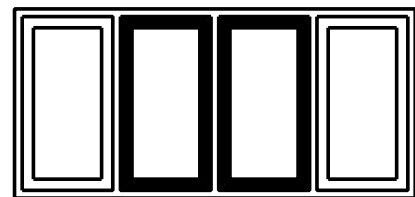


Sash rebate edge

Scheme C / Detailed sections



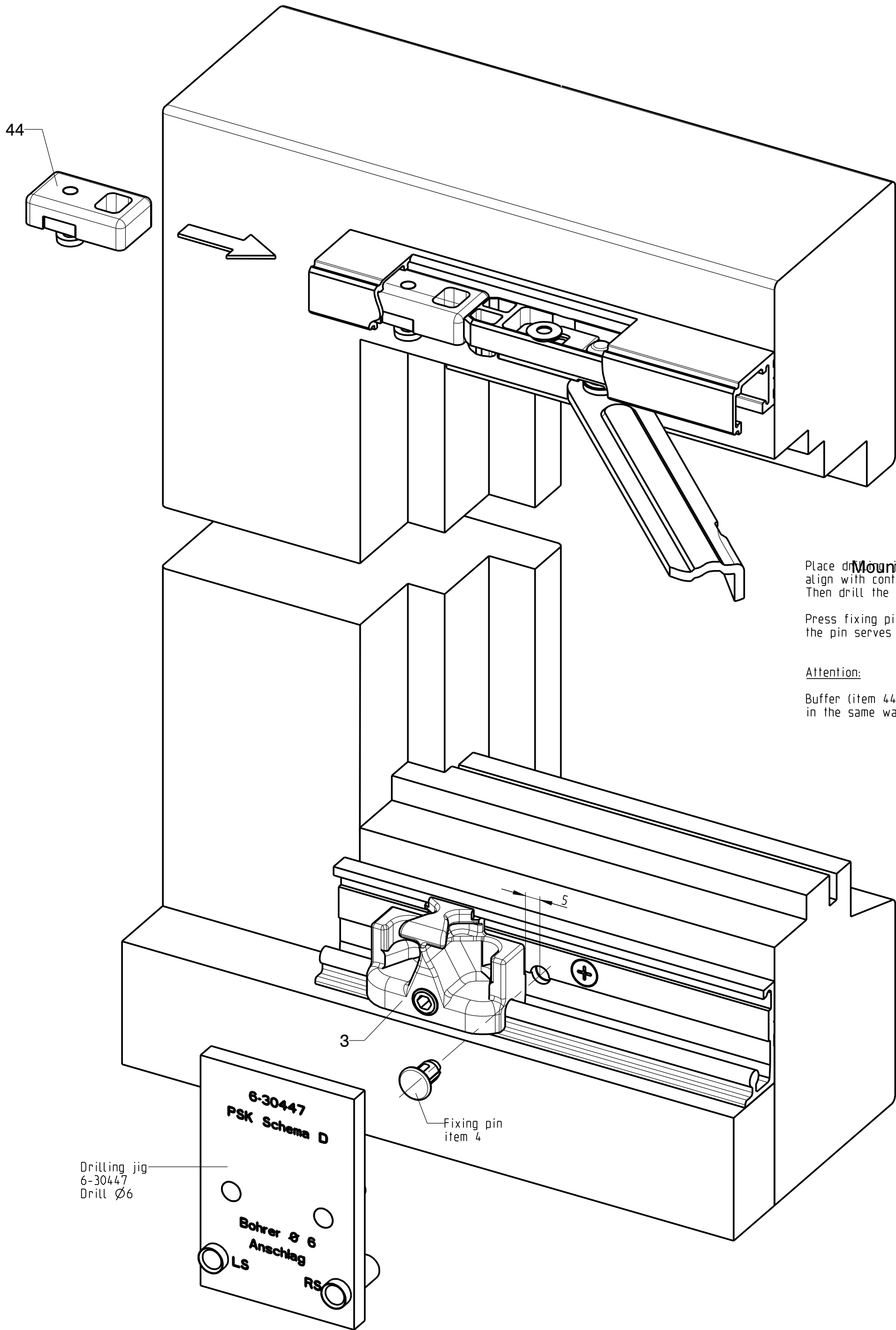
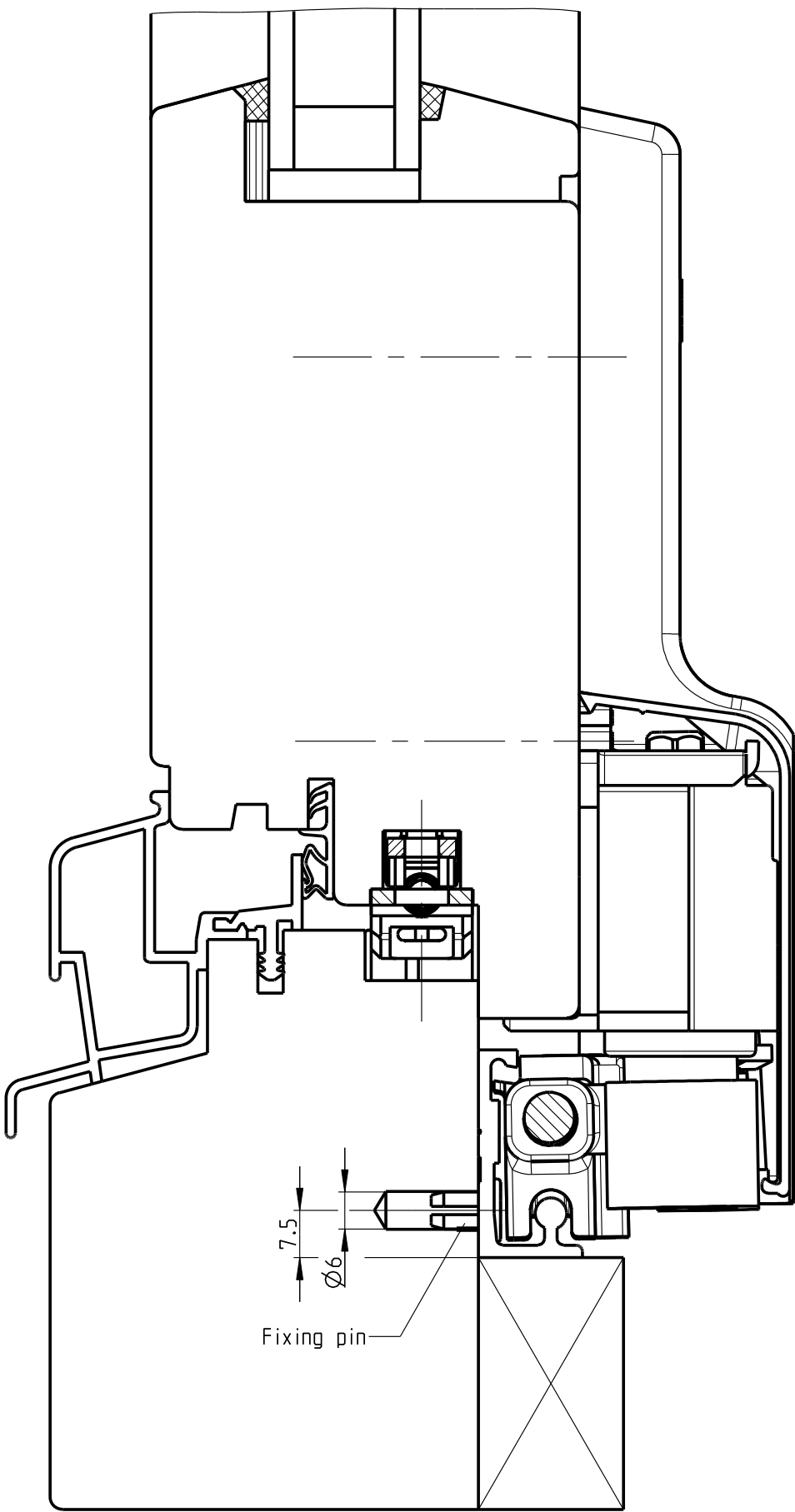
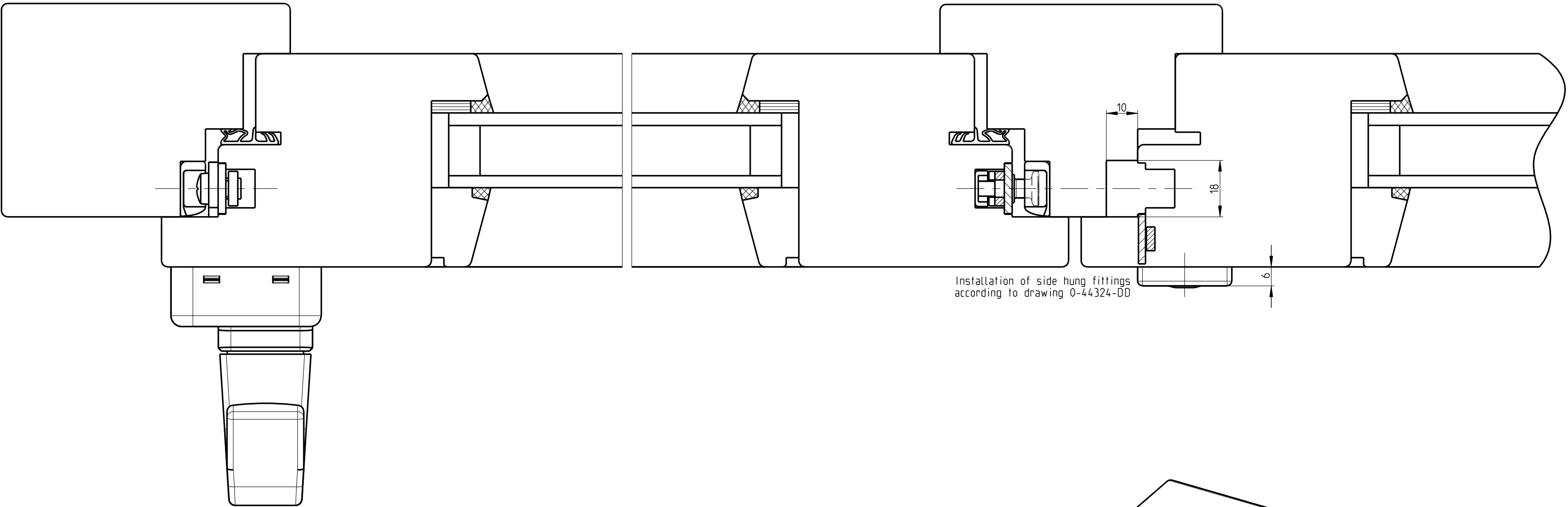
2 sliding sashes / fixed glazing without mullion or
2 sliding sashes / fixed glazing with false mullion



2 sliding sashes / 2 side hung sash without mullion or
2 sliding sashes / 2 side hung sash with false mullion

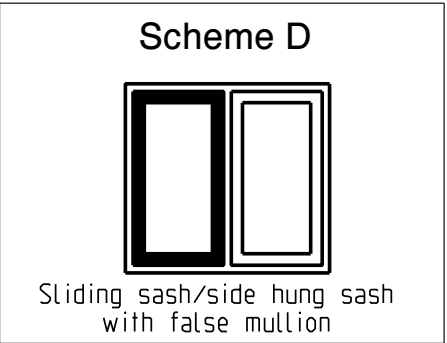
Parallel Slide and Tilt Fittings GU-966/150 mZ TZ (automatic locking pin)
Timber - Euro groove 18x8, 20x8, 24x8 and Euro rebate 7/8x4

Release No.	Level	Released	Scale	Modification	Size
Mod. No. GZ6808	Ver. --	20.01.2011	Me	2	1
Replacement for --	Draft			Drawing No.	Sheet
				O-45842-BL-0-CB	5/7

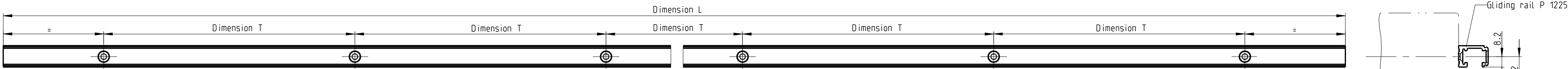


Mounting the fixing pin for Scheme D
Place drilling jig against the rail, align with control part and support with pins against the rail. Then drill the corresponding hole (lh or rh).
Press fixing pin into bore hole. With scheme D, the pin serves as stop for the shiftable control part.

Attention:
Buffer (item 44) must be loosened and shifted in the same way as the control part (item 3).



Description							
Parallel Slide and Tilt Fittings GU-966/150 mZ TZ (automatic locking pin) Timber - Euro groove 18x8, 20x8, 24x8 and Euro rebate 7/8x4							
	Release No.	Level	Released		Scale		Modification
	Mod. No.	Ver.	--	--	1:1	2	1
	Draft	20.01.2011	Me				Sheet
Replacement for --						0-45842-BL-0-CB	



Gliding rail P 1225

Size	SRW	Dimension L	Number of screw holes	Centres / Dim. T	Application
20	720-850	1960	10	200	Gliding rail P 1225 and running rail P 1300
25	851-1100	2460	13		
30	1101-1350	2960	15		
35	1351-1600	3460	18		
67	mill length	6700	34		

Positioning jig for gliding rail P 1225
Handle colour: blue 6-23246

Jig for drill centering.
Suitable for gliding rail and running rail.
Article no. 6-23616.
Drill Ø3

Hole patterns for geared handle/
hole pattern for runner

Hole patterns for lockable gear

Drill Ø4
Ø7

Cut with cutter
art. no. 6-24430

Drilling jig for
lockable gear
art. no. 6-25744

Drilling jig for
geared handle
6-25746-12

Drilling jig for runner
art. no. 9-30424-04

Apply at sash rebate edge

Apply at sash
rebate edge

For support of P 1607
at centre of sash

Recess for stays

Cutter with guide ring
art. no. 6-24430.
For drills with high
number of revolutions.

Milling cutter art. 9-31010

Milling mig art. no. 6-24429

Recess for lever handle

Recess for stay arm
to be cut on
both sash corners.

Drilling and milling jigs

Description Parallel Slide and Tilt Fittings GU-966/150 mZ TZ (automatic locking pin) Timber - Euro groove 18x8, 20x8, 24x8 and Euro rebate 7/8x4					
	Release No.	Level	Released	Scale	Modification
	Mod. No. G26808	Ver. --	20.01.2011	1:2	2
	Draft	Me			
Replacement for --				0-45842-BL-0-CB	
					1 Sheet 7/7

Running rail P 1300