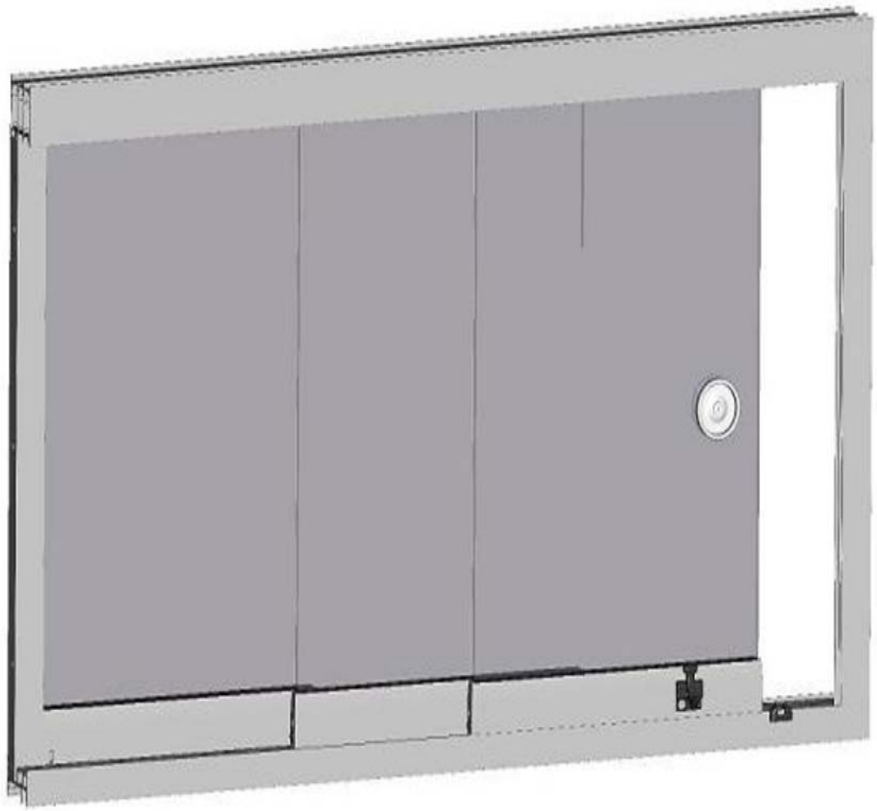
Assembly Instructions

All-glass sliding door w17-c



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2 Notes on assembly instructions

These instructions are geared towards trained fitters and require knowledge of installation techniques. Glazing elements may only be installed by specially qualified personnel with corresponding installation experience.

2.1 Validity of these instructions

The glazing elements have been approved for export and Germany.

3 Depiction

3.1 Warnings

The warnings differentiate between personal injury and damage to property. The signal word "Danger" is used for personal injury, and "Caution" for property damage.

CAUTION	Immediate danger to life and limb!
ATTENTION	Immediate danger to product and environment!

3.2 Tips and recommendations

	Highlights tips and information that make for quick and correct installation.

4 Safety notes

- These Assembly Instructions must be read before beginning the assembly work itself.
- For personal safety, it is important that these instructions are complied with.
- Non-compliance means the manufacturer does not carry any liability.
- The customer must keep all instructions, and if the product is sold, they must be given to the new owner.

4.1 Qualifications

The assembly instructions are aimed at qualified technicians who have knowledge of and are experienced in the following areas:

- Safety at work, operating safety and accident prevention regulations
- Use of ladders and scaffolding
- Handling and transporting long, heavy components
- Handling and transporting glass panes
- Handling tools and machines
- Fitting fixings
- Assessment of building fabric
- Start-up and operation of the product.

If one of these qualifications is lacking, a qualified assembly firm must be brought in.

4.2 Transportation

The maximum permissible axle loads and gross vehicle weight of the goods vehicles must not be exceeded. Loading a vehicle can alter its handling characteristics. The transported goods must be fastened properly and safely. Keep glazing element packaging dry. Softened packaging can come loose and cause accidents. Packaging which has been opened for goods inward purposes must be sealed again properly for further transport.

4.3 Fixings

Responsibility for the assembly work that is being carried out on-site must always rest with the foreman; it is not possible to issue uniformly applicable instructions due to the differing building conditions and building regulations that apply at every site. Above all, this implies that all bolts and screws required to affix the glazing elements to the on-site connections must meet the requirements of the on-site building conditions and structural safety.

4.4 Ladders

Do not lean ladders against the glazing elements or, if applicable, the weinor roof. Ladders must be on a firm base and provide adequate support. Only use ladders with adequate load-bearing capacity.

4.5 Fall protection

Workers run the risk of falling when working at elevated heights. Suitable anti-fall guards must be used.

4.6 Crushing and cutting zones

Beware of crushing and cutting zones on this equipment (e.g. movable leafs) as there is a risk of serious injury.

4.7 Proper and safe use

weinor glazing elements are intended to be fitted in conservatories, under patio roofs or other connecting passages.
Glazing elements may only be used for vertical glazing.
Important! Please remember that certain areas require the use of laminated sheet glass (LSG) or single-pane safety glass or single-pane safety glass with heat-soak test.
The planning and installation of glazing elements in or around parapets or in areas requiring guardrails must be performed in accordance with current regulations and guidelines and are the responsibility of the site foreman.
All supplied profiles and components (especially frame and stave profiles) must be fitted without fail.

4.8 Handover

All directions for use must be handed over to the user who must also be instructed in the operation of the equipment. Detailed instruction on the safe and proper operation of the glazing elements must be given. Improper use or failure to comply with the instructions may result in damage to the glazing elements or accidents occurring. The instructions must be kept by the customer and passed on to the new owner if ownership of the glazing elements passes to a third party.

4.9 Description of construction and function

Only high-quality corrosion resistant or anti-corrosion materials are used in the glazing elements. The profiles are made of extruded aluminium. All connecting parts, such as screws, are made of stainless steel. All outside aluminium parts are powder coated.

5 General notes on assembly

5.1 List of Tools

Good tools are the key to ensuring productivity and making certain that the quality of the assembly work is good. The following is a list of the minimum tools that we recommend you have available for the assembly of the glazing elements under “normal” building conditions.

Table 1: List of Tools

Tool	Size	Use
Tools/machines		
Slotted screwdriver	See table entitled "Specification"	
Phillips screwdriver	See table entitled "Specification"	
Allen key	See table entitled "Specification"	
Long hexagon wrench	See table entitled "Specification"	
Various tools	as required	Depending on the screws used on-site
Screws / dowels / anchors	as required	To fit the glazing elements to the on-site connections
C clamp	2; at least 200 mm	To lock the glazing elements in position
Rivet gun	See table entitled "Specification"	
Circlip pliers	See table entitled "Specification"	
Side cutters	See table entitled "Specification"	
Installation tools		
Glue/Sealant gun		To apply the adhesive and sealant
Glättfix silicone trowel		To apply the adhesive and sealant
Primer		To prepare the assembly base before applying the adhesive and sealant
Superglue	as required	
Drill	as required	To fit the glazing elements to the on-site connections
Twist drill bits	See table entitled "Specification"	
Countersinker and deburrer	as required	DIN 335 form C 90° (∅10,4; to countersink drilled holes)
Rechargeable screwdriver		To affix the glazing elements
Cable reel	as required	
Suction cups	as required	To carry leafs / glass panels

Ladder	as required	
Files (round and flat)	See table entitled "Specification"	
Rubber mallet	as required	
Aluminium saw	as required	
Measuring and testing tools		
Tape measure	20 m	For measuring, to align glazing elements
Telescopic measuring stick	5 m	For measuring, to align glazing elements
Folding rule		For measuring, to align glazing elements
Spirit level	1 m	To align glazing elements
Hose level	20 m	To align glazing elements
Levels		e.g. rotating laser level, for measuring; to align glazing elements
Plumb-line	5 m	To align glazing elements
Cleaning agents		
Cleaning agents		For adhesives and sealants
Miscellaneous		
Touch-up pens		For touch-up work
Pencils		
Waterproof pens		
Calculator		
Digital camera		Photos of assembly
Protective clothing		
Safety shoes / Protective gloves		To protect against sharp edges on profiles, components and on the glass

5.2 Specification

Table 2: Specification

Tool	Size	w17-c	w26-c	w50-c	w50-c lite	w60-c	w70-c
Tools/machines							
Slotted screwdriver	1	x					
Phillips screwdriver	1	x					
	2	x	x	x	x	x	x
Allen key	SW2	x					
	SW2.5	x	x				
	SW3	x		x			x
	SW4		x				
	SW5					x	
	SW6		x			x	
	SW12					x	
Long hexagon wrench	SW10		x				
Rivet gun		x	x	x			
Circlip pliers			x				
Side cutters			x				
Installation tools							
Twist drill bits	3.5x112		x				
	4x75	x		x	x	x	x
	4x119			x	x	x	x
	5x132		x				
	5.5x139	x		x	x	x	x
	5.5x205			x	x	x	x
	7x109		x				
	8x240	x					
	9.1x125		x				
	11x142		x				
Files (round and flat)		x					

5.3 Fixings

The table below contains an overview of the fixings you will need in order to install the glazing elements, and where you can obtain these fixings:

Table 3: Fixings

			Glazing elements					
Material	Available from weinor	Alternative supplies / Contact	w17-c	w26-c	w50-c	w50-c lite	w60-w	w70-w
Standardised parts								
Countersunk self-tapping screw DIN7982-3.9x9.5	No	Local hardware store		x				
Countersunk self-tapping screw DIN7982-4.2x16	Yes	Local hardware store	x					
Countersunk self-tapping screw DIN7982-4.8x19	No	Local hardware store						
Countersunk self-tapping screw DIN7982-4.8x25	Yes	Local hardware store	x		x	x	x	x
Countersunk self-tapping screw DIN7982-4.8x32	No	Local hardware store						
Countersunk self-tapping screw DIN7982-4.8x40	Yes	Local hardware store	x			x		
Countersunk self-tapping screw DIN7982-4.8x45	Yes	Local hardware store			x		x	x
Countersunk self-tapping screw DIN7982-4.8x60	Yes	Local hardware store	x		x	x	x	x
Slotted pan head tapping screw DIN7981-3.9x45	No	Local hardware store					x	
Slotted pan head tapping screw DIN7981-4.2x16	No	Local hardware store	x			x		
Hex self-tapping screw DIN7976-6.3x30	No	Local hardware store		x				
Socket head cap screw DIN912-M6x20	No	Local hardware store		x				
Flathead blind rivet nut F-M6x9x15.5	No	Local hardware store		x				

Jointing compound			
Takeseal	Yes	Fix-Tec www.fix-tec.de	x
Pre-compressed sealing tape	No	Adolf Würth GmbH & Co. KG www.würth.de	x
Allround mastic tape EX-trem plus 5000	No	KONTEX Bausysteme GmbH www.kontex-bausysteme.de	x
Miscellaneous			
Glazing packers and/or support blocks	No	Foppe Direkt Versand GmbH www.metallbaubedarf.com	x

- All installation materials required for the on-site connections must be ordered by the on-site crew.
- Please ensure that all screws are made of stainless steel (A2).

5.4 Notes on adhesives and sealants

Recommendations for selecting adhesive and sealant:
- "Takeseal" from Fix-Tec

Alternative jointing compounds:
- Please follow the manufacturer's guidelines
- Check on-site whether these are suitable

Sealing the on-site connections:
- Choose adhesives and sealants in accordance with the on-site building conditions
- Please follow the manufacturer's guidelines

Preparations before applying the adhesive and sealant:
- Clean and prime all parts and surfaces before gluing
- If textured paint has been used, sand down the areas to be glued then clean and prime
- The gluing/sealing work should only be performed at reasonable temperatures (always follow the manufacturer's guidelines for adhesives and sealants)

Failure to follow these recommendations may result in:
- leaks in the on-site connections
- a loss in adhesion on certain parts

5.5 Unevenness and slopes on the on-site connections

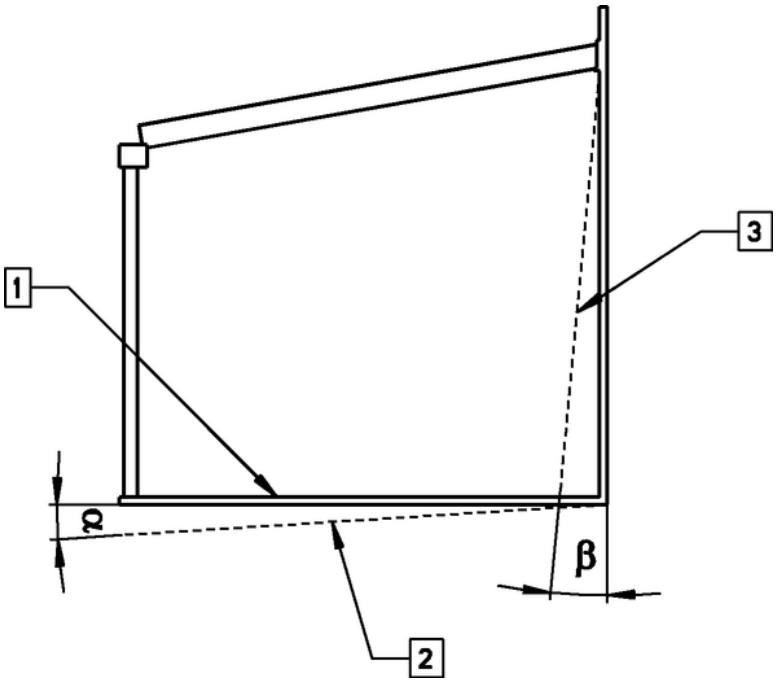


Figure1: Unevenness and slopes on the on-site connections

1	Level assembly base
2	Sloping assembly base
3	Sloping facade
α, β	Angle

Any unevenness and slopes on the on-site connections (WeiTop Terrazza or other connecting passages) must be levelled out on-site.
This is necessary

- to ensure the glazing elements are installed correctly
- to ensure the glazing elements work properly

Possible resources / installation materials for levelling out unevenness:

- Support blocks
- Frame wideners
- Compensation profiles fitted to guide profiles and the side frame (optional)

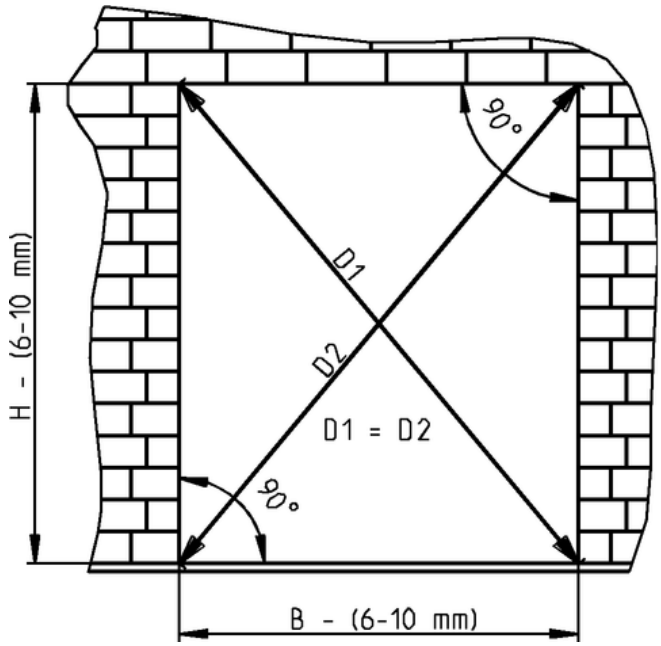


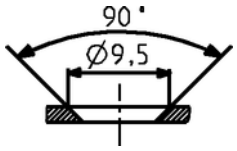
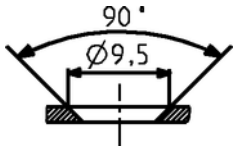
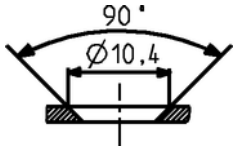
Figure 2: Dimensions of a connecting passage

H	Height of glazing element
B	Width of glazing element
D1	Diagonal1
D2	Diagonal2

When installing the glazing elements in a connecting passage (in a wall, for example), it must always be ensured that the dimensions of the opening of the connecting passage are higher and wider than the glazing element. The height and the width of the connecting passage should each be 6 to 10 mm greater than the glazing element.
Prior to installing the glazing element in the connecting passage, always check that the two diagonals in the opening are of equal length and that the four corners are at an angle of 90°.

5.6 Notes on affixing glazing elements

The table below contains an overview of the holes that need to be drilled for assembly on a WeiTop Terrazza:

Standardised part	∅ core hole (roof)	∅ clearance hole (frame)	Countersinking
Slotted pan head tapping screw DIN7981-3.9	3.5 mm	4.2 mm	None
Slotted pan head tapping screw DIN7981-4.2	3.5 mm	4.5 mm	None
Countersunk self-tapping screw DIN7982-3.9	3.5 mm	4-5 mm	
Countersunk self-tapping screw DIN7982-4.2	4 mm	5.5 mm	
Countersunk self-tapping screw DIN7982-4.8	4 mm	5.5 mm	
Hex self-tapping screw DIN7976-6.3	5 mm	6.7-7 mm	None
Flathead blind rivet nut F-M6x9	9.1 mm	/	None

- Always ensure that all the screws are countersunk into the frame of the glazing elements. Protruding screws may well damage the glass panes or result in limited functionality.

6 Assembly of the the all-glass sliding door w17-c

6.1 Assembly of the guide profiles, installation clips (optional) and wall attachment profiles (optional)

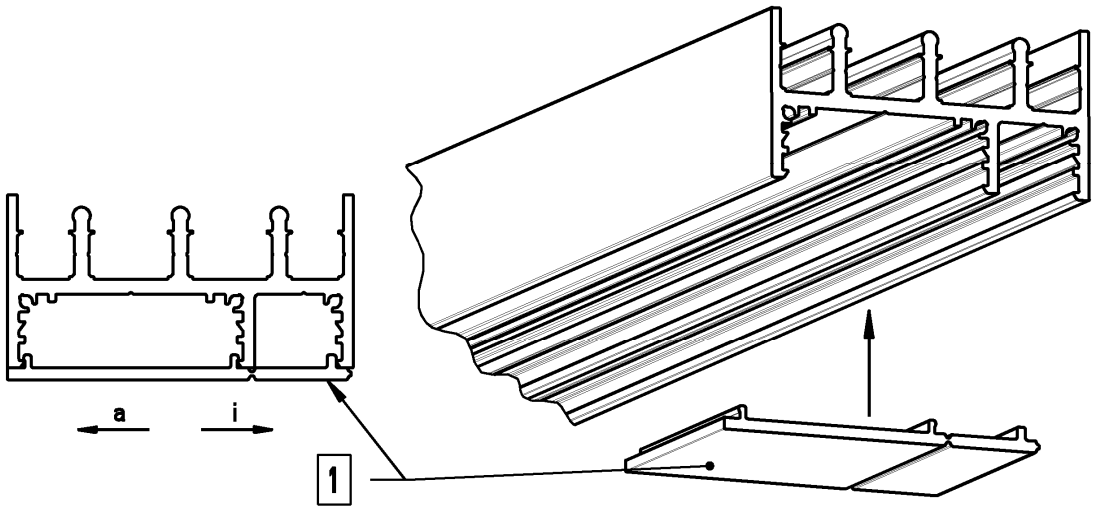


Figure 3: Fitting the installation clips

a	Exterior
i	Interior
1	Installation clips

The installation clips are supplied with the guide profile each time. You can attach the clips under the profile to form an even assembly base which will enable you to even out any misalignments in height and corners. This part will not be shown in the following illustrations as it is regarded as part of the floor.

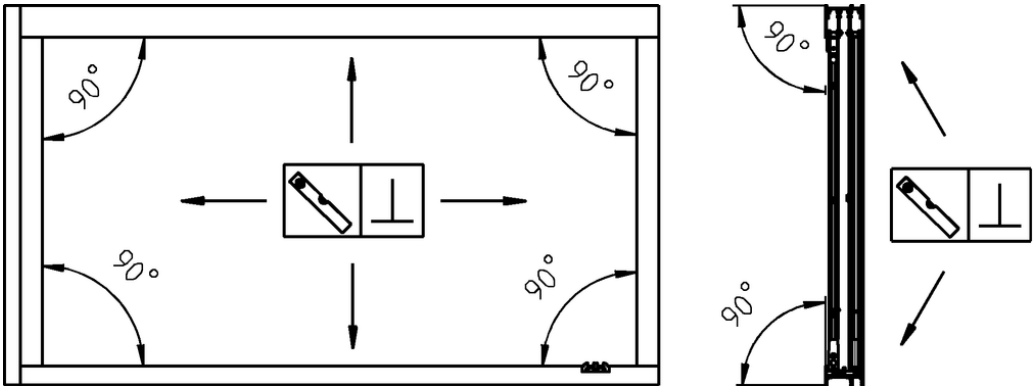


Figure 4: Aligning the frame

ATTENTION	**Affixing the guide profile** Ensure that you screw the bottom guide profile tightly in place next to the installation clips (if used) to prevent the profiles from shifting.

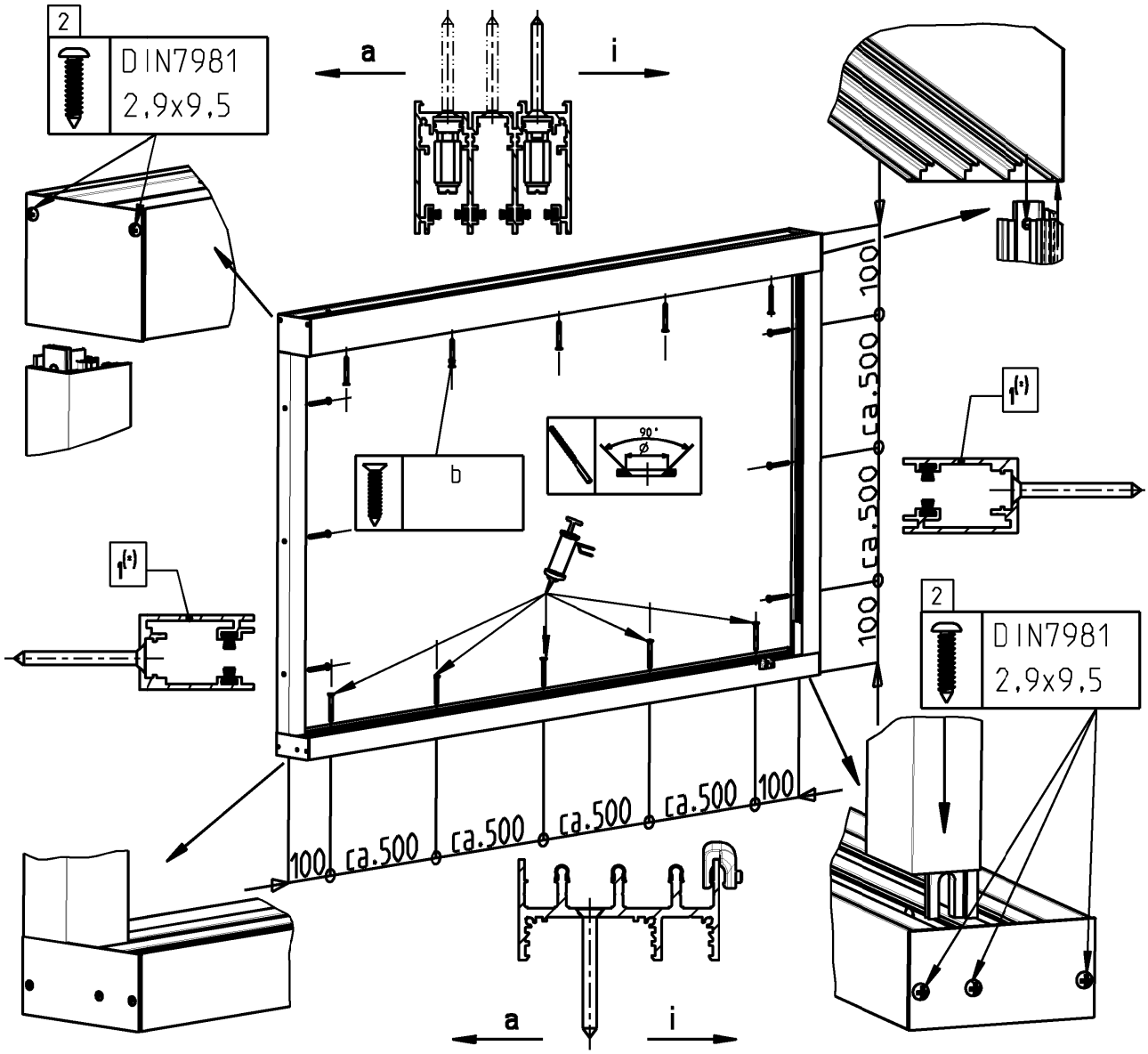


Figure 5: Affixing the frame

a	Exterior
i	Interior
b	on-site
1	Wall attachment profile
2	Screws can be removed as they are only used to secure the cargo during transportation
(*)	Optional

6.2 Coupling the guide profiles

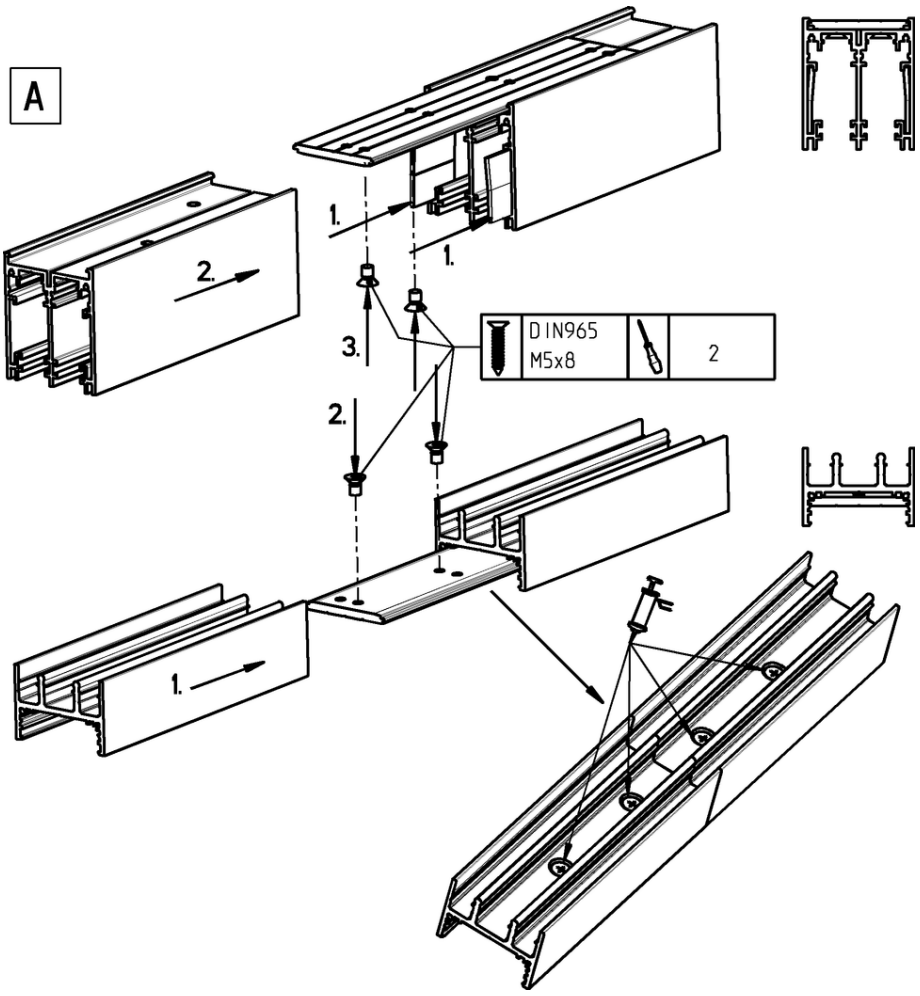


Figure 6: Coupling the top and bottom guide profiles

A valid for units with 2, 3 and 4 tracks (coupled using one connector)

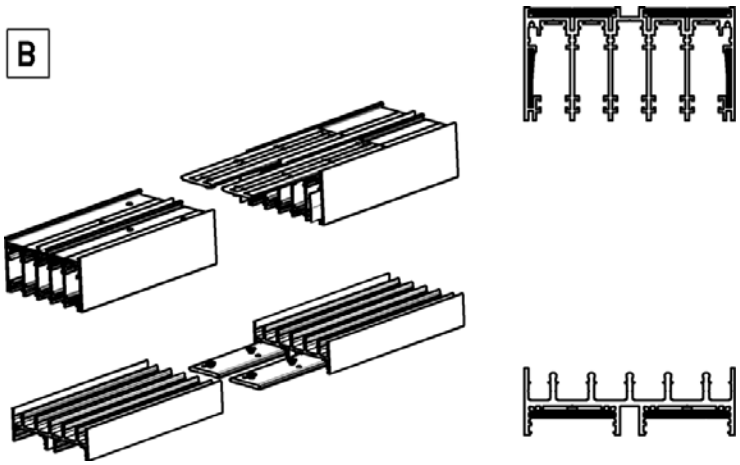


Figure 7: Coupling the top and bottom guide profiles, 5 tracks

B valid for units with 5 tracks (coupled using two connectors)

6.3 Bottom guide profile recessed into ground

	The bottom guide profile can only be recessed if the right version of the w17-c has been ordered accordingly.

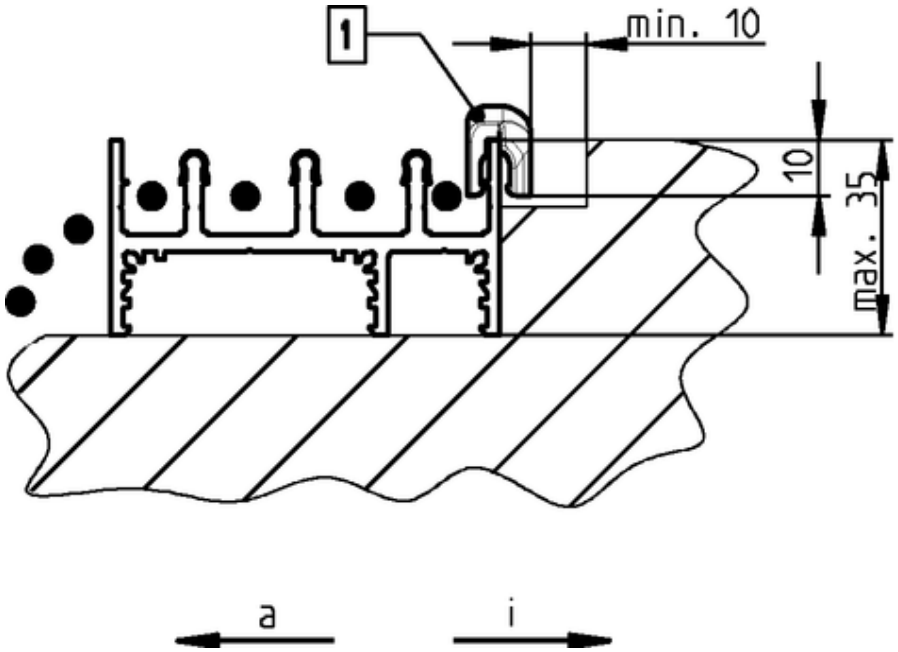


Figure 8: Recessing the bottom guide profile

a	Exterior
i	Interior
1	Latch bolt on lock

- If the bottom guide profile is recessed into the ground, ensure on-site that there is sufficient drainage from the bottom guide profile.
- The water drainage must be fitted in such a way that water can drain off to the outside. No water must be allowed to penetrate the interior.
- The water drainage is vital as it ensures that no water remains in the bottom guide profile which might freeze in winter.
- To ensure that the lock works as required, leave sufficient space in the ground for the latch bolt to engage.

6.4 Assembly to the WeiTop Terrazza

6.4.1 Assembly of the attachment profiles for the posts

ATTENTION	**Water drain** When screwing down the attachment profiles, bear in mind that a water outlet hole may already have been drilled through the post. ▶ Take care not to damage the drain pipe when drilling holes or fitting screws.

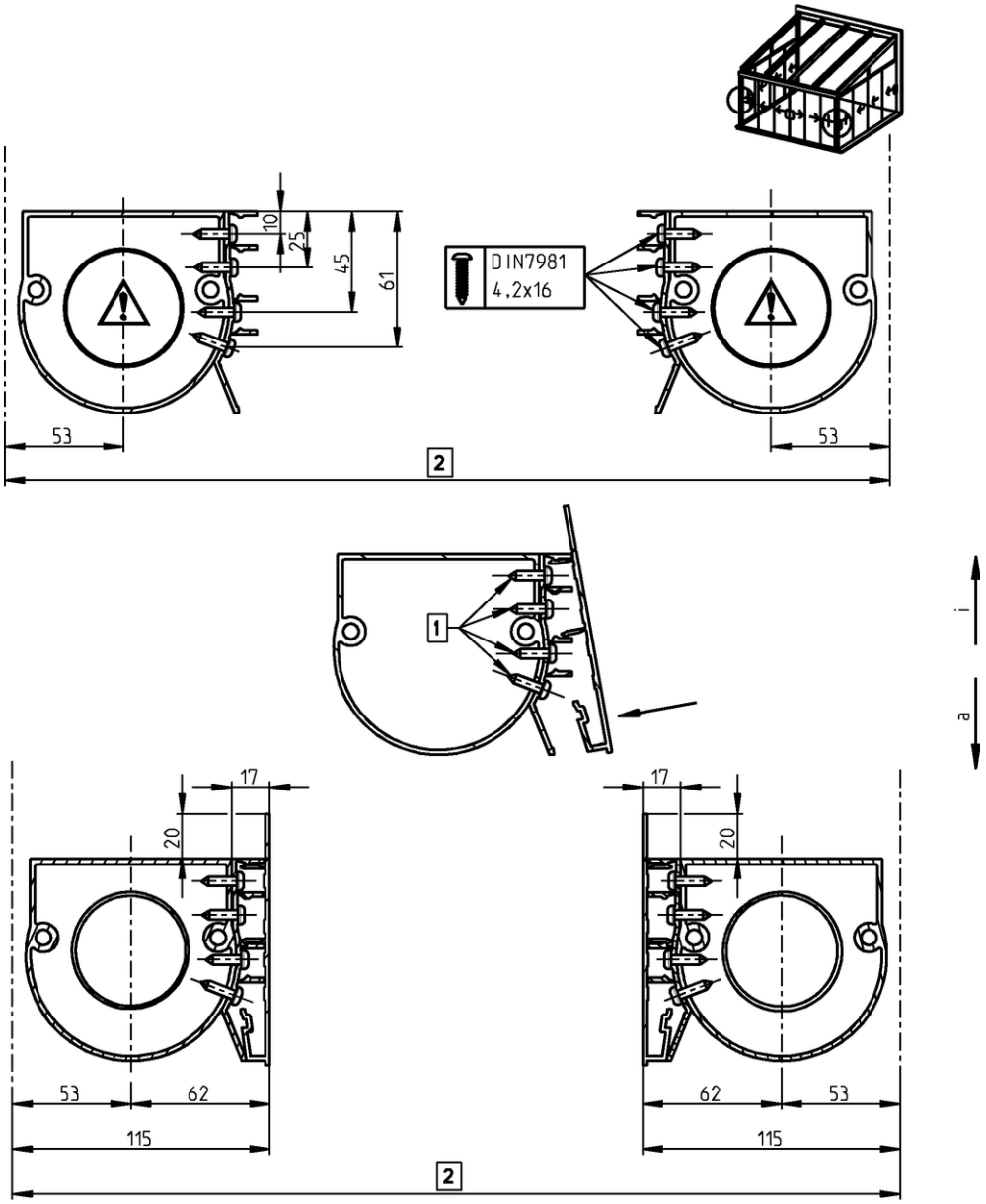


Figure 9: Assembly of the attachment profiles for the posts

a	Exterior
i	Interior
1	Four potential positions of screws; number and positions of screws to be determined on-site
2	Width of Terrazza

6.4.2 Assembly to the WeiTop Terrazza

	During the assembly of the top and bottom guide profiles, it is vital that they match the ordered height of the unit and that the spacing cannot increase in the course of time.

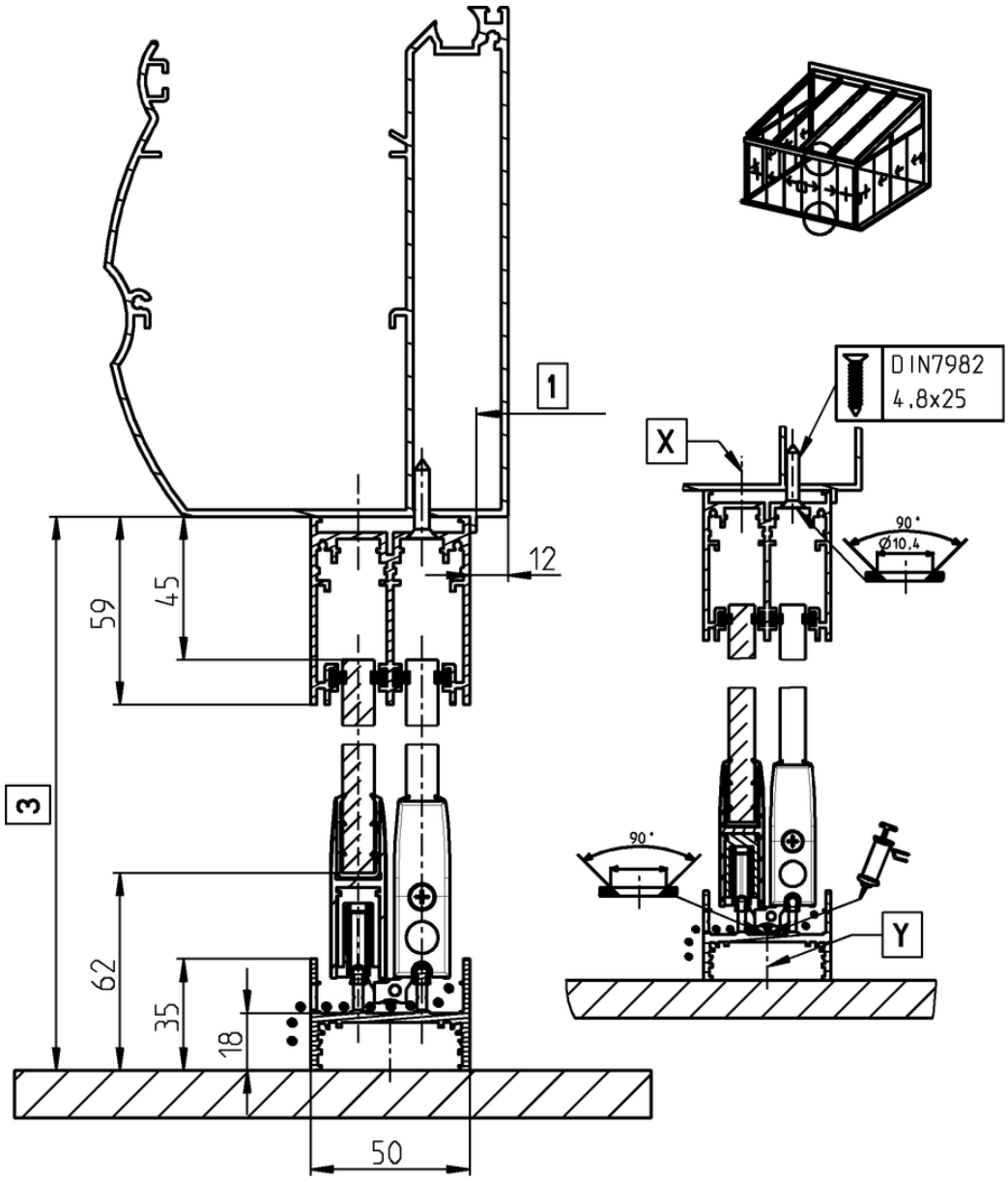


Figure 10: Assembly of the top and bottom guide profiles

X	If required, use additional screws here and seal
Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
3	Bottom edge of gutter

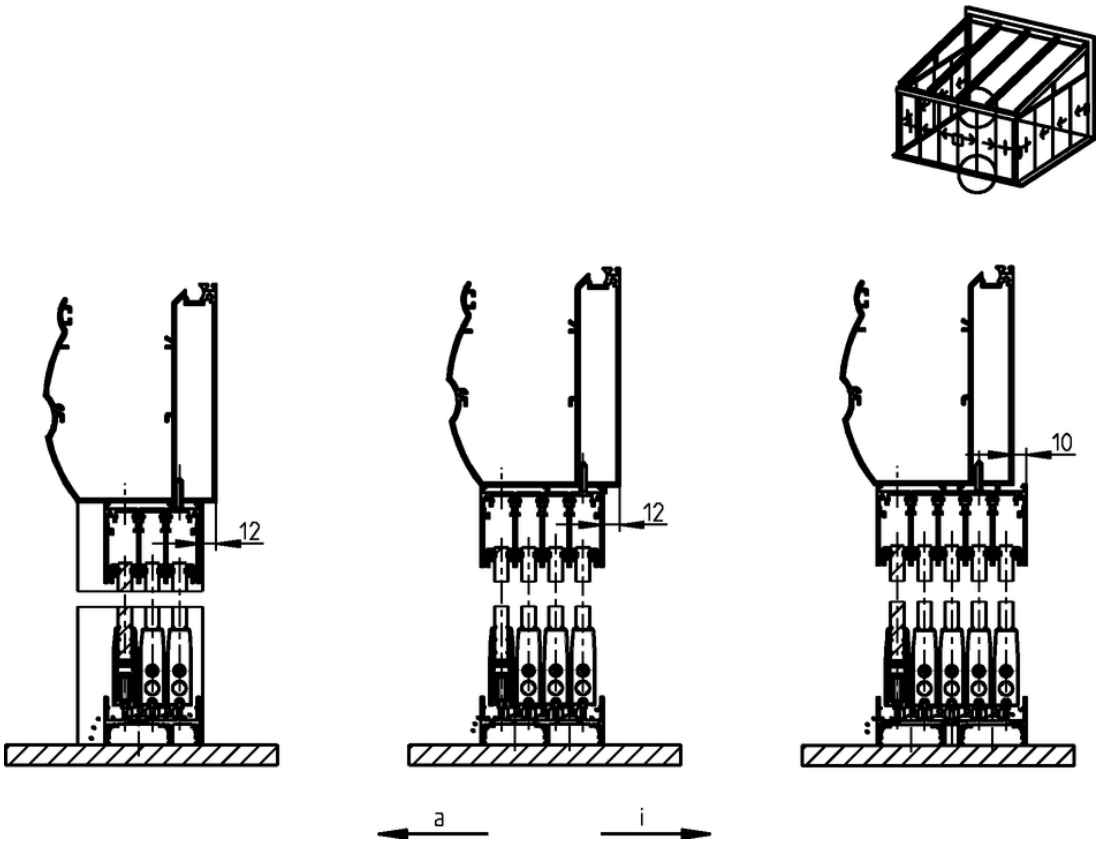


Figure 11: Assembly of the 3- to 5-track guide profiles below the gutter

a	Exterior
i	Interior

6.4.3 Assembly between the posts

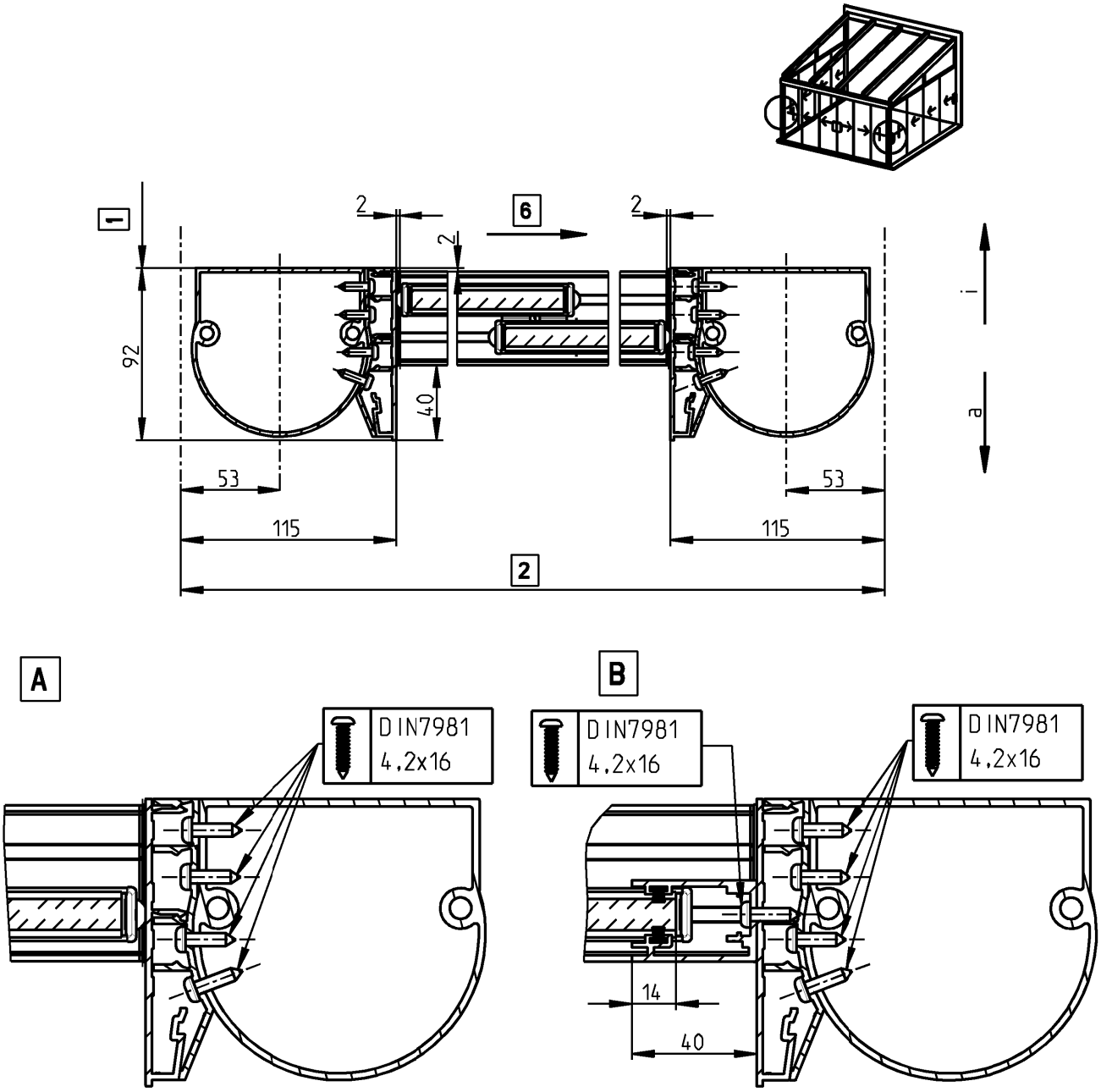


Figure 12: Assembly between the posts with attachment profiles for the posts

a	Exterior
i	Interior
A	w17-c without wall attachment profiles (standard)
B	w17-c with wall attachment profiles (optional)
1	Depth of Terrazza
2	Width of Terrazza
6	Direction of opening is a representative example only. Please consult the order confirmation for actual direction of opening on the unit to be fitted

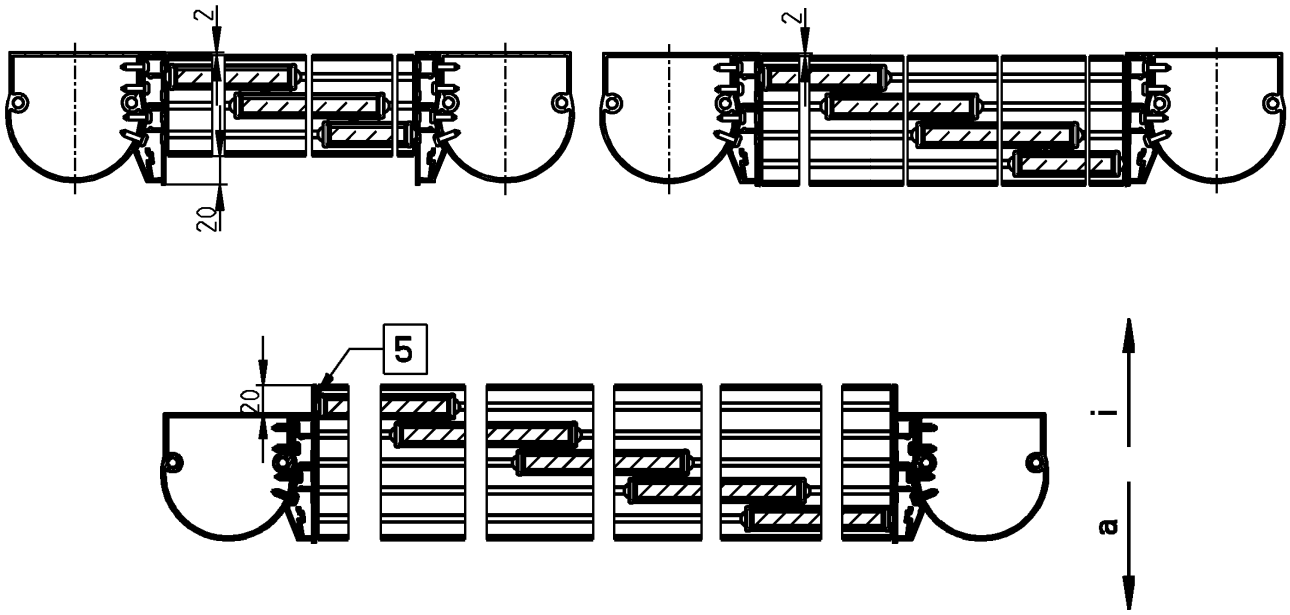


Figure 13: Assembly between the posts with attachment profiles on posts, 3 to 5 tracks

a	Exterior
i	Interior
5	Universal attachment profile only on 5-track units

6.4.4 Assembly below the roof support

	During the assembly of the top and bottom guide profiles, it is vital that they match the ordered height of the unit and that the spacing cannot increase in the course of time.

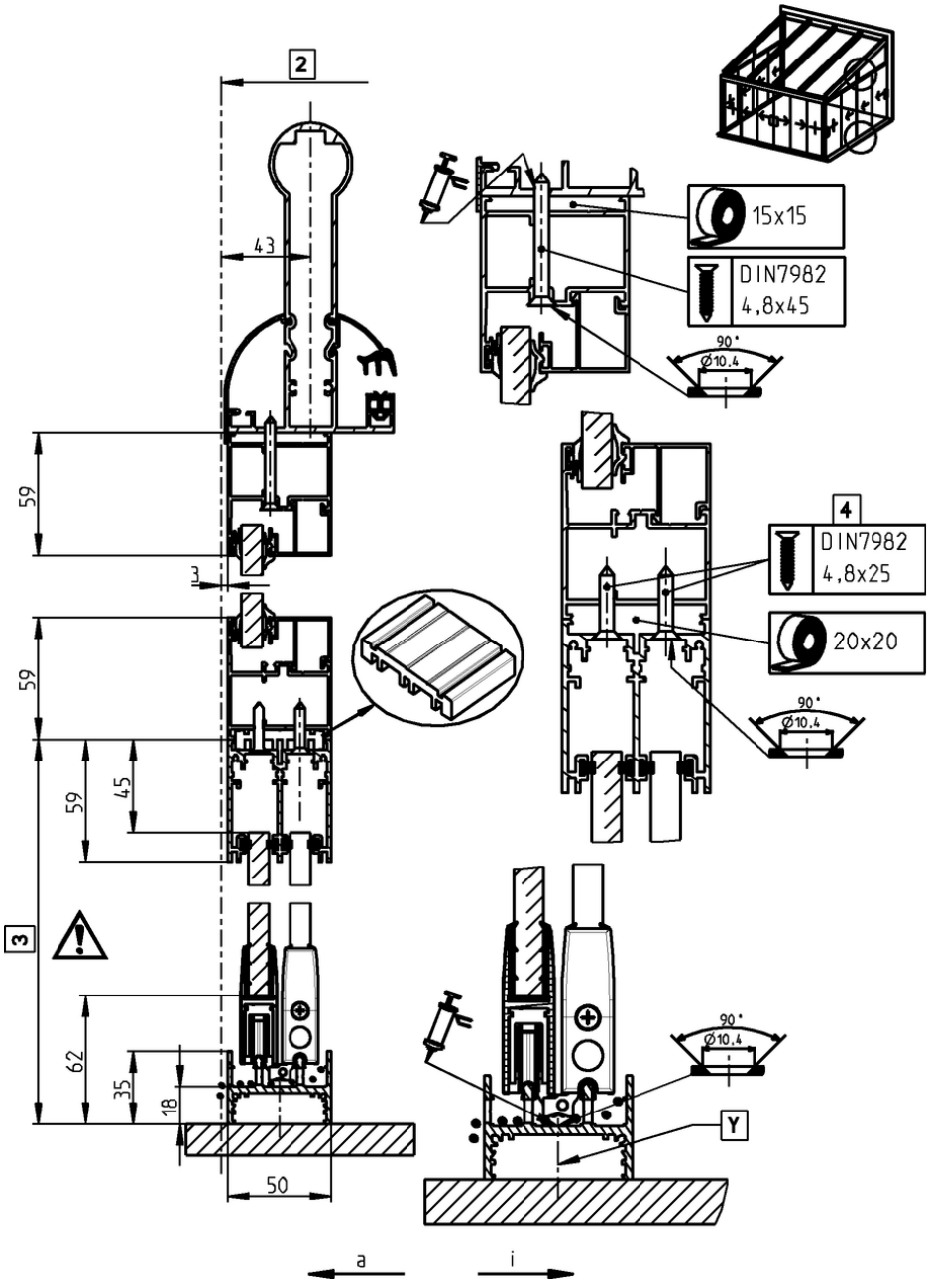


Figure 14: Assembly of the guide profiles

a	Exterior
i	Interior
Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
2	Width of Terrazza
3	Bottom edge of gutter
4	Screws tightened alternately

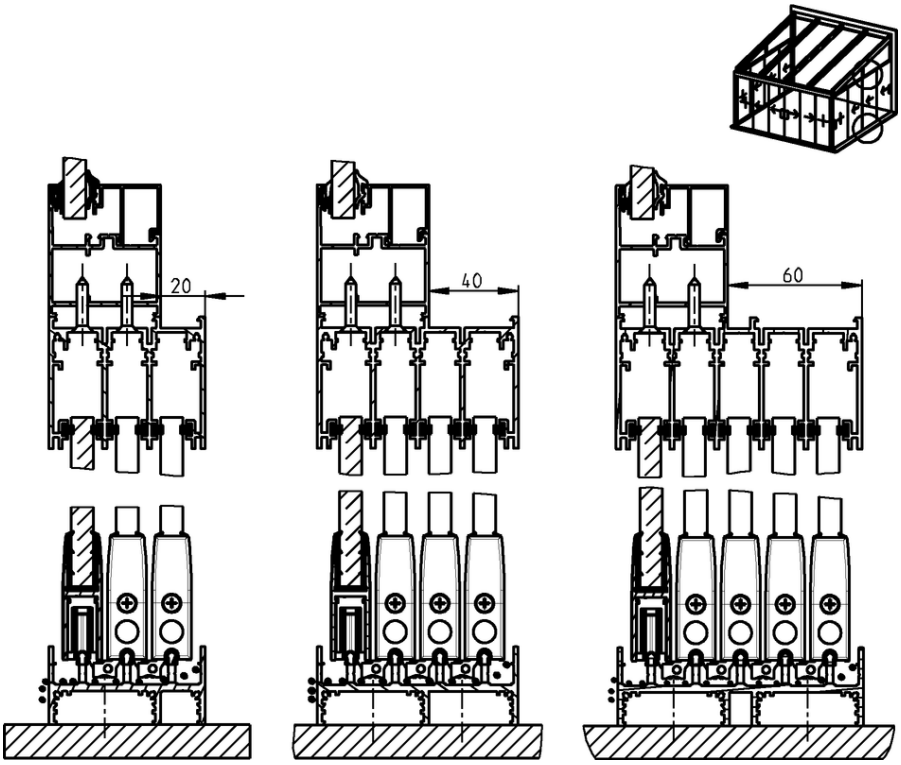


Figure 15: Assembly of the 3- to 5-track guide profiles below the roof support

ATTENTION	**Water drain** When screwing down the attachment profiles, bear in mind that a water outlet hole may already have been drilled through the post. ► Take care not to damage the drain pipe when drilling holes or fitting screws.

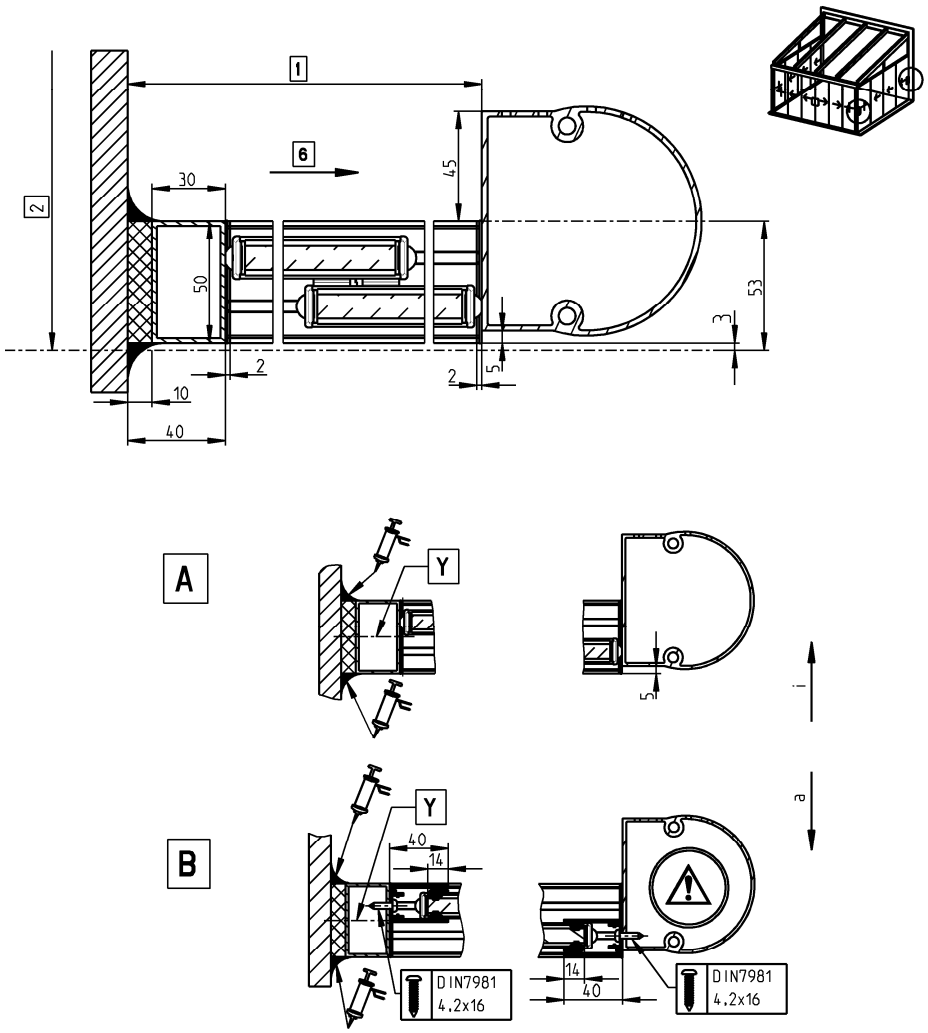


Figure 16: Assembly of the guide profiles between the post and the wall

a	Exterior
i	Interior
A	w17-c without wall attachment profiles (standard)
B	w17-c with wall attachment profiles (optional)
Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
2	Width of Terrazza
6	Direction of opening is a representative example only. Please consult the order confirmation for actual direction of opening on the unit to be fitted

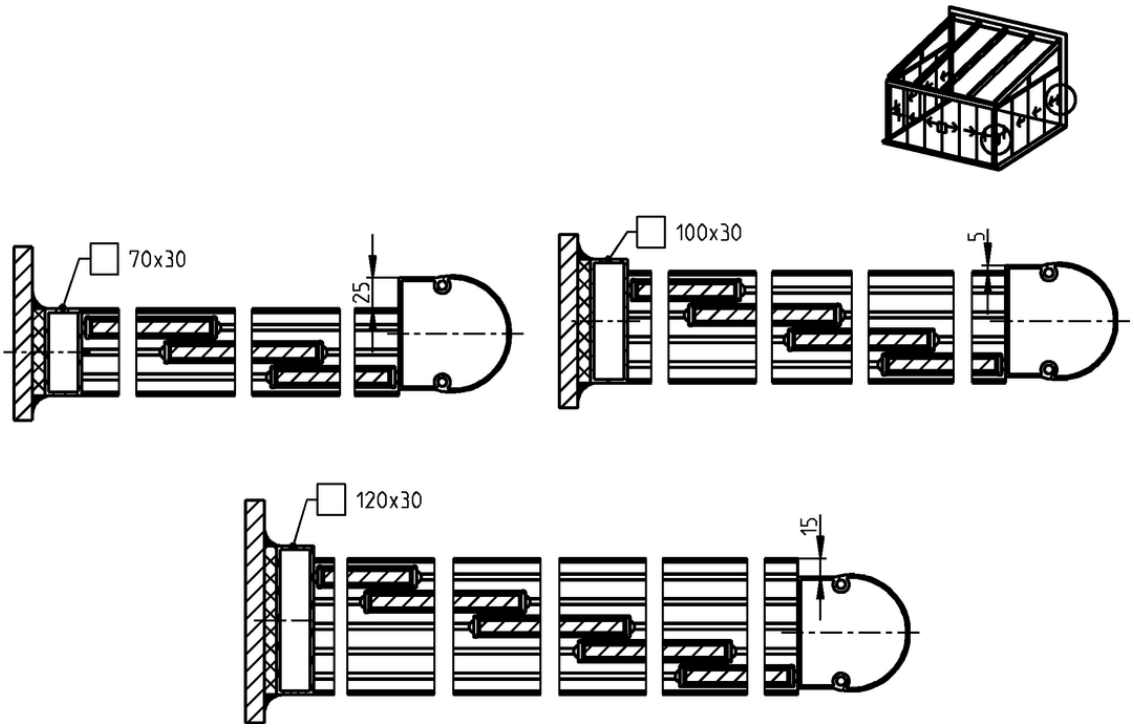


Figure 17: Assembly of the 3- to 5-track guide profiles between the post and the wall

6.5 Assembly to the WeiTop Terrazza with roof overhang

6.5.1 Assembly below the crossbeam

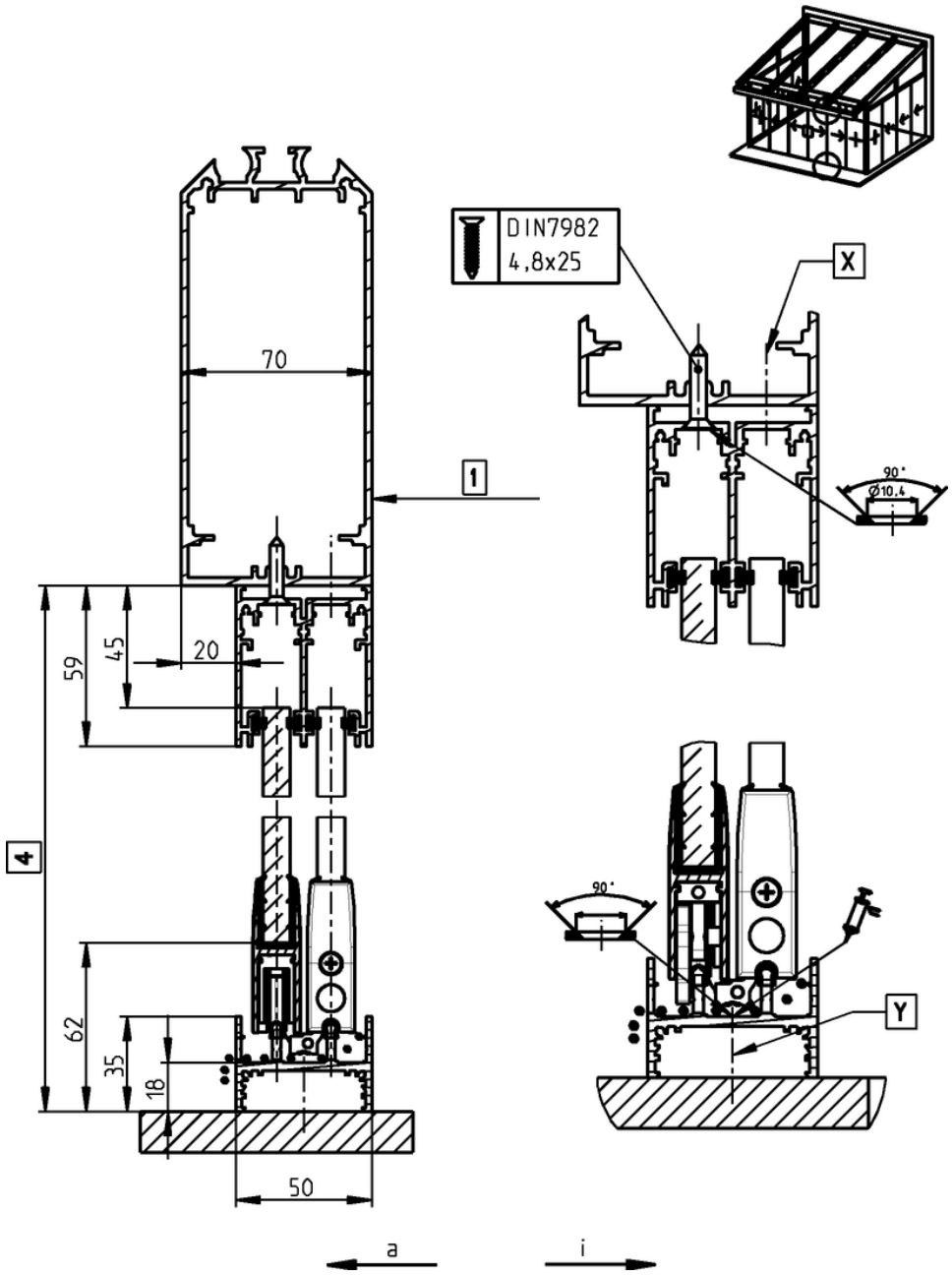


Figure 18: Assembly with roof overhang

a	Exterior
i	Interior
X	If required, use additional screws here and seal
Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
4	Bottom edge of crossbeam

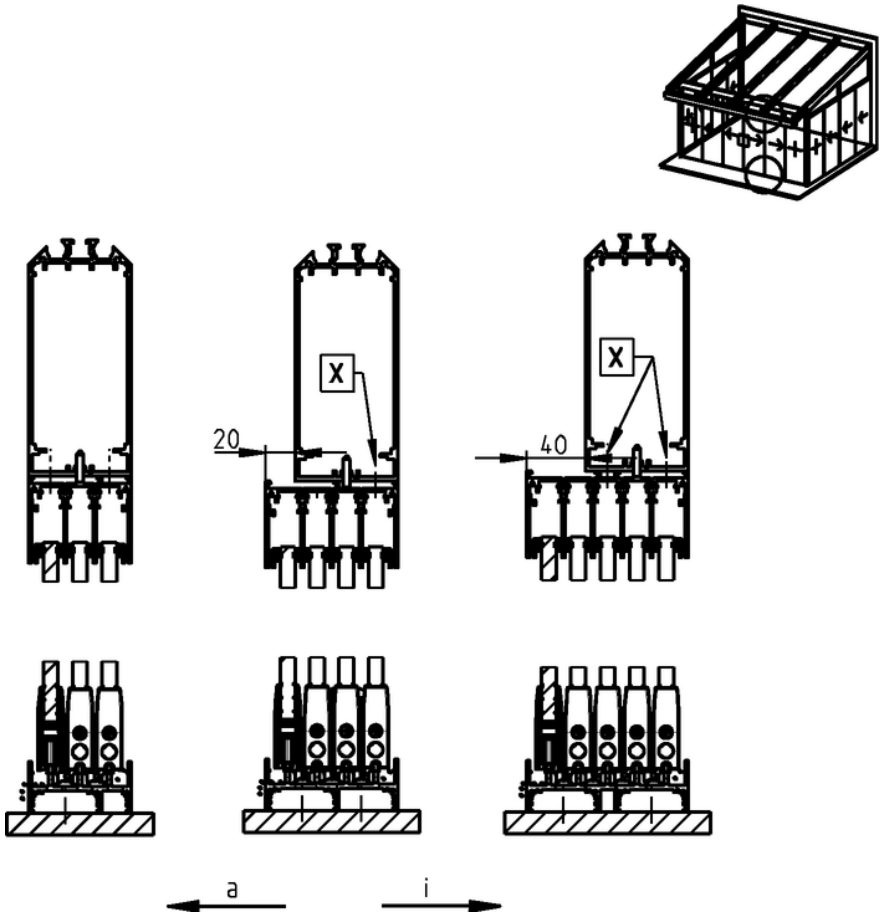


Figure 19: Assembly with roof overhang, 3 to 5 tracks

a	Exterior
i	Interior
X	If required, use additional screws here and seal

6.5.2 Assembly between the posts

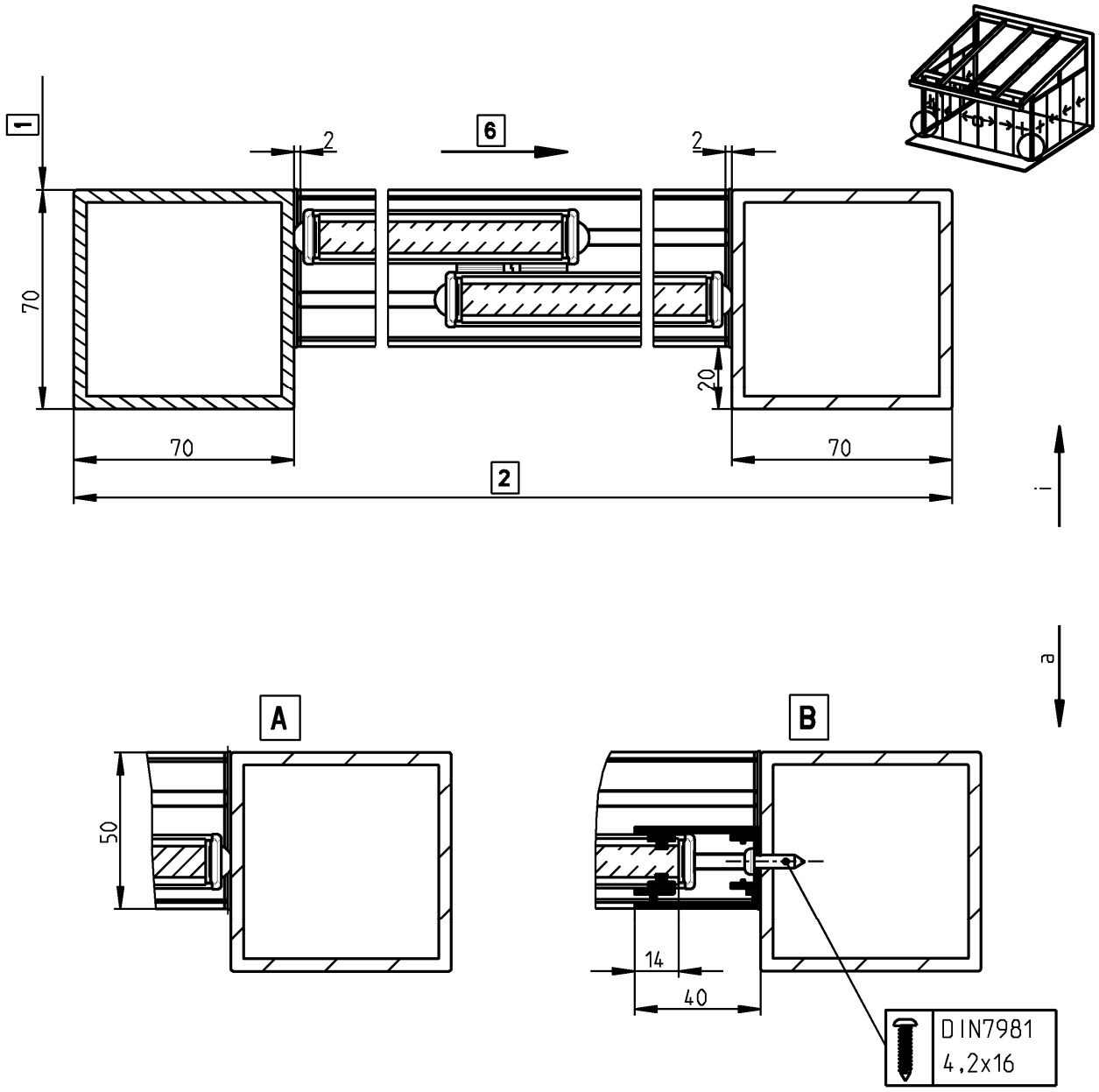


Figure 20: Assembly between the posts with roof overhang

a	Exterior
i	Interior
A	w17-c without wall attachment profiles (standard)
B	w17-c with wall attachment profiles (optional)
1	Depth of Terrazza
2	Width of Terrazza
6	Direction of opening is a representative example only. Please consult the order confirmation for actual direction of opening on the unit to be fitted

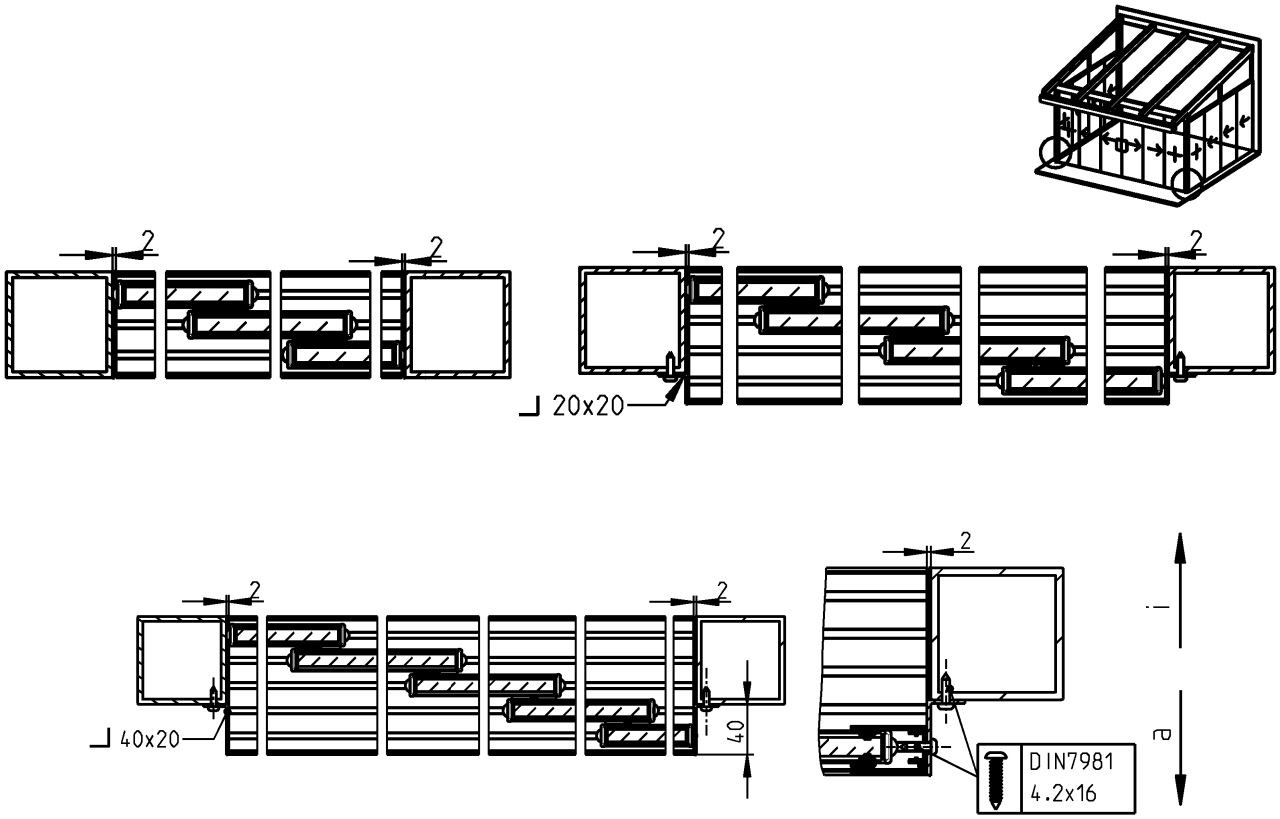


Figure 21: Assembly between the posts with roof overhang, 3 to 5 tracks

a	Exterior
i	Interior

6.5.3 Assembly below the roof support

	During the assembly of the top and bottom guide profiles, it is vital that they match the ordered height of the unit and that the spacing cannot increase in the course of time.

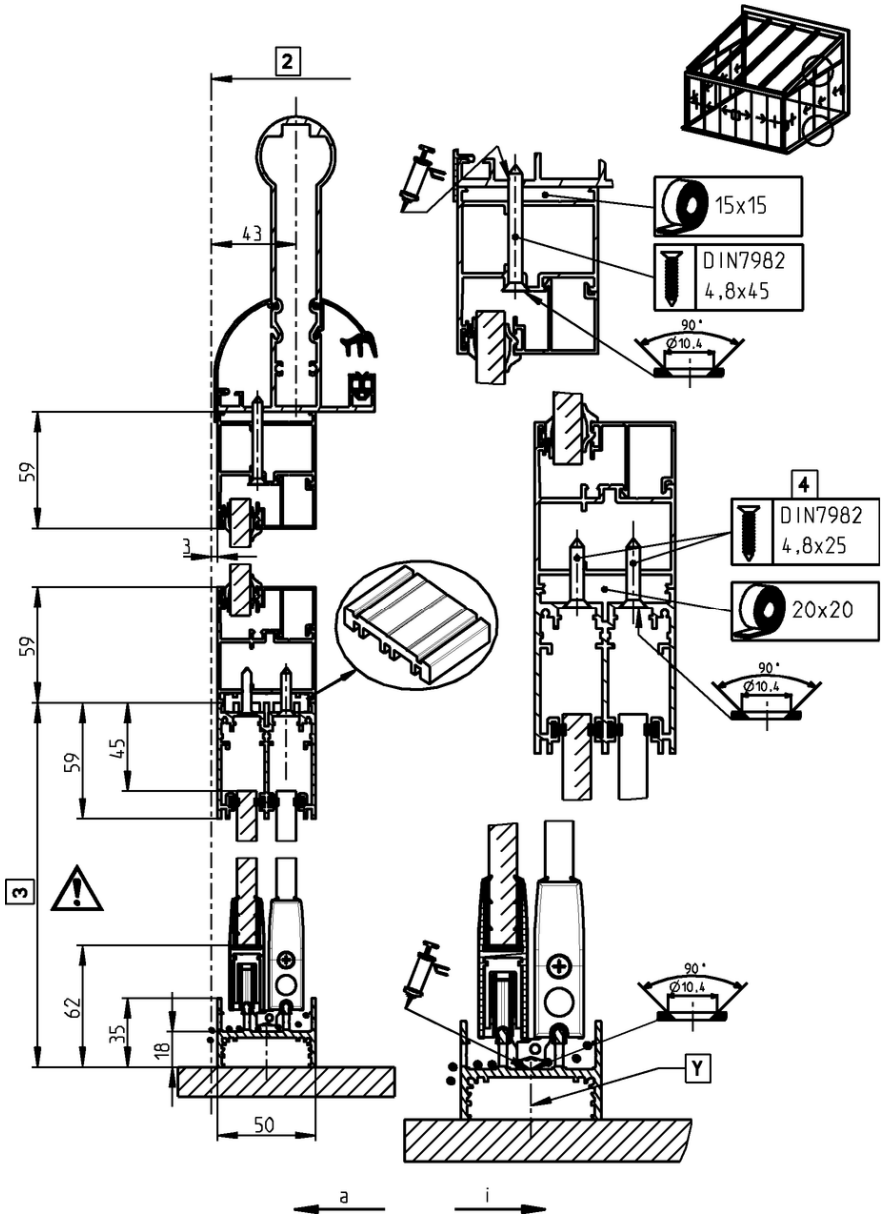


Figure 22: Assembly of the guide profiles

a	Exterior
i	Interior
Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
2	Width of Terrazza
3	Bottom edge of gutter
4	Screws tightened alternately

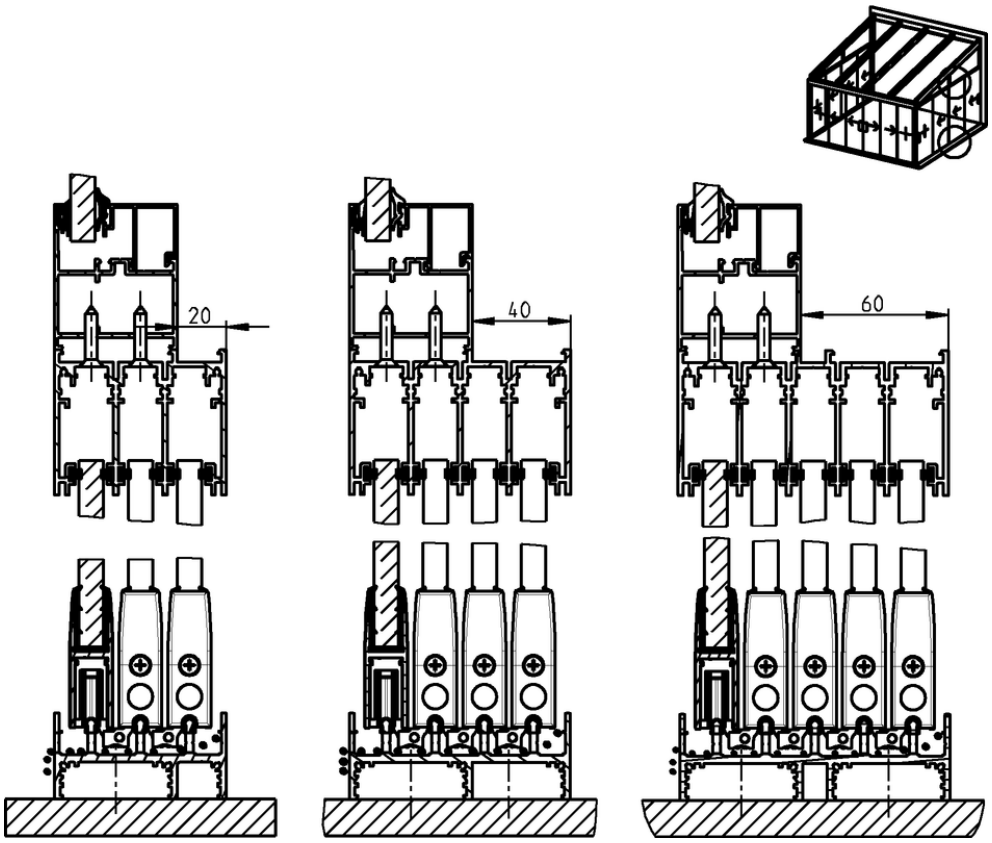


Figure 23: Assembly of the 3- to 5-track guide profiles below the roof support

6.5.4 Assembly between the post and the wall

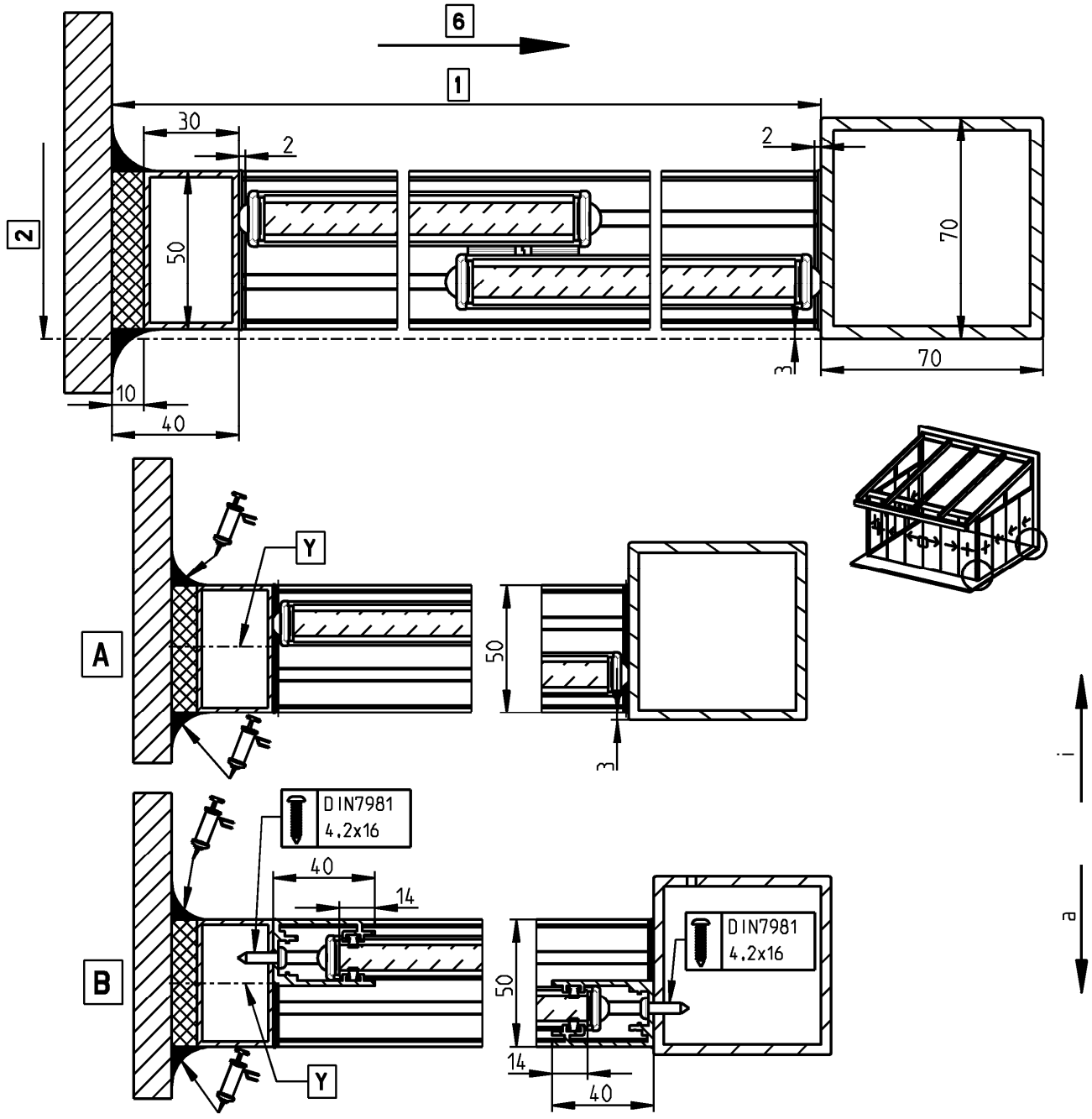


Figure 24: Assembly to the side wall roof overhang

a	Exterior
i	Interior
A	w17-c without wall attachment profiles (standard)
B	w17-c with wall attachment profiles (optional)
Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
2	Width of Terrazza
6	Direction of opening is a representative example only. Please consult the order confirmation for actual direction of opening on the unit to be fitted.

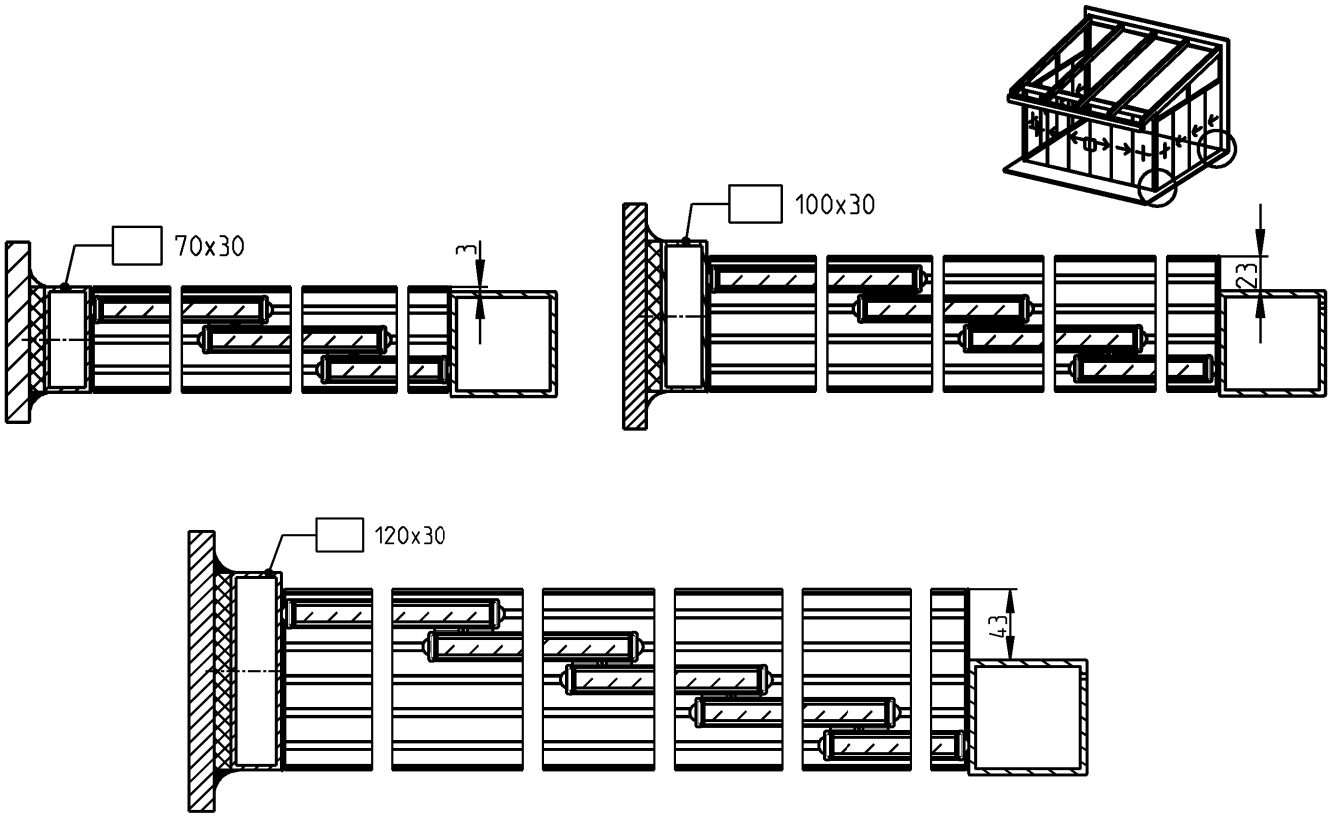


Figure25: Assembly to the side wall roof overhang, 3 to 5 tracks

6.5.5 Notes on water drain behind a post

ATTENTION	**Water outlet hole** If a middle post or post plate with post plate cover cap is situated in front of the water outlet hole, the outlet hole will need to be sealed off on-site and a new water outlet hole drilled. ▶ The new water outlet hole must be drilled where it cannot be concealed by a post or a post plate with cover cap.

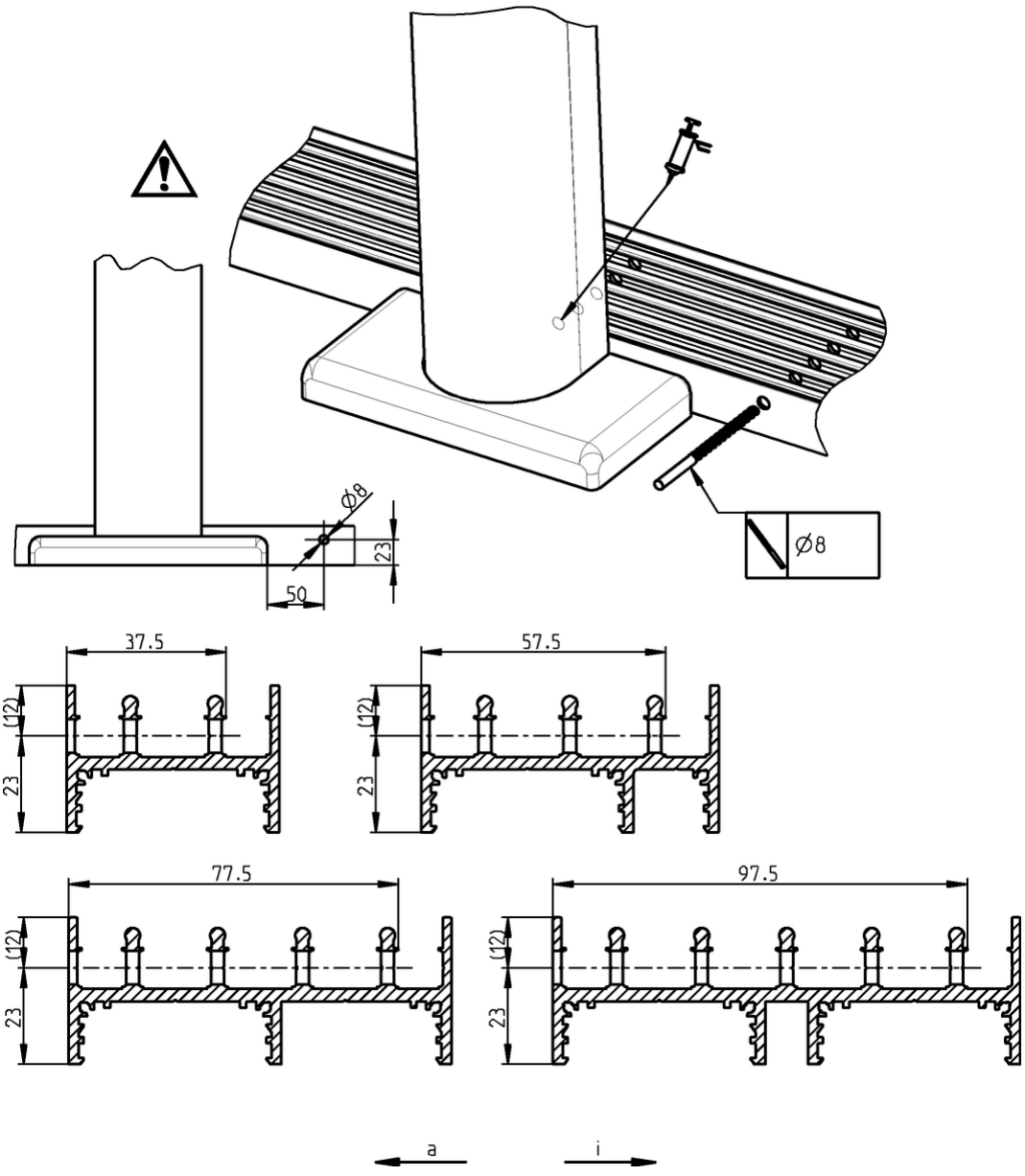


Figure 26: Notes on water drain behind a post

a	Exterior
i	Interior

6.6 Assembly of the locking mechanism to the active leaf

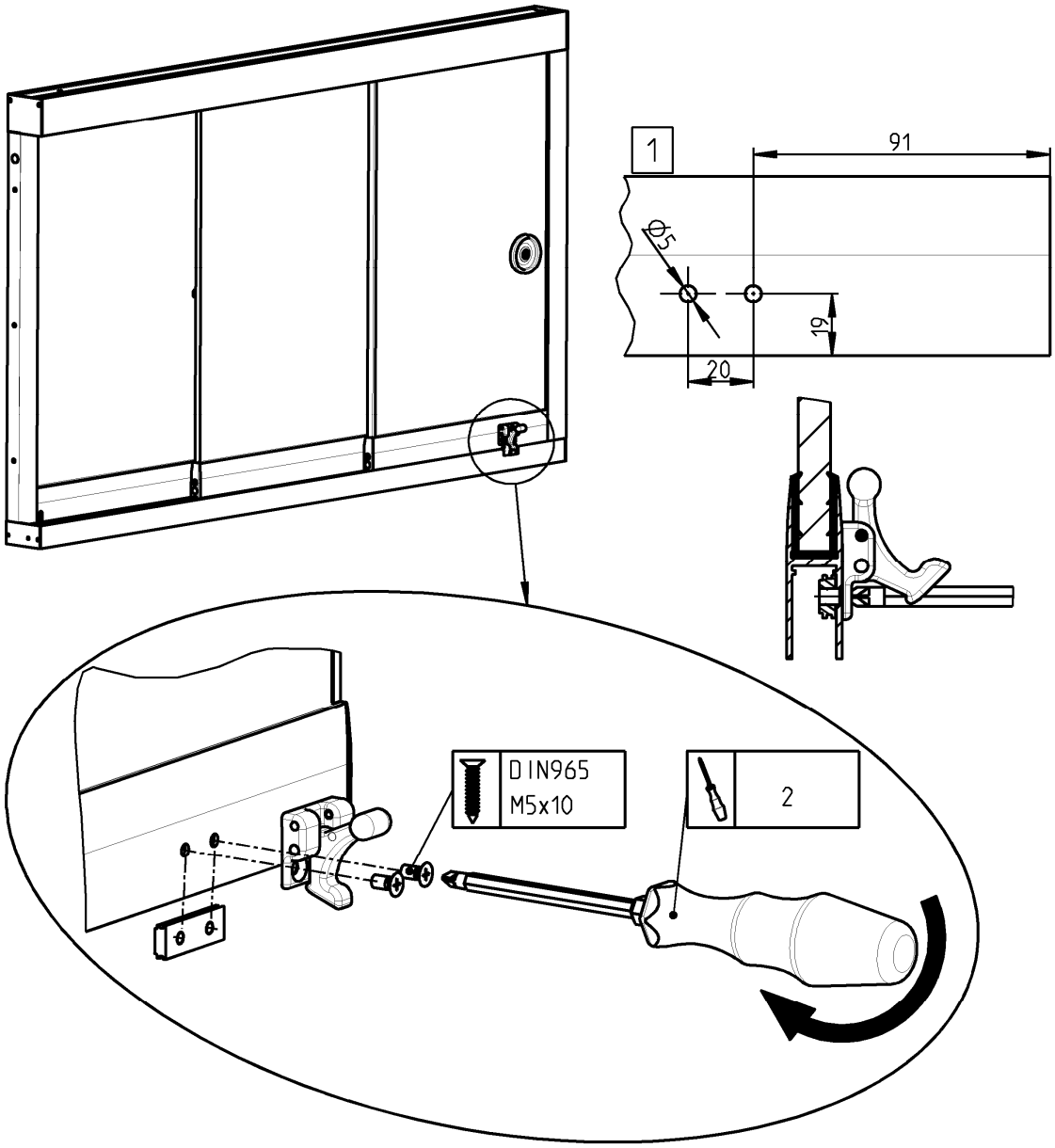


Figure 27: Assembly of the locking mechanism to the active leaf

1	If a separate retainer is used for the locking mechanism, the holes must be drilled on-site as shown here.

6.7 Inserting the leafs

The individual leafs for the w17-c are numbered to facilitate their installation.

- The numbers are displayed on the protective film on the glass panels as well as in the enclosed technical description. The position of each panel can be determined on the basis of these numbers.
- Only remove the numbered film immediately before assembly of the leaf.

	On units with lockcase and hung bolt, the leafs are inserted in a different way than described here. See Section entitled *"Fitting the leafs on units with a lockcase and hung bolt".*

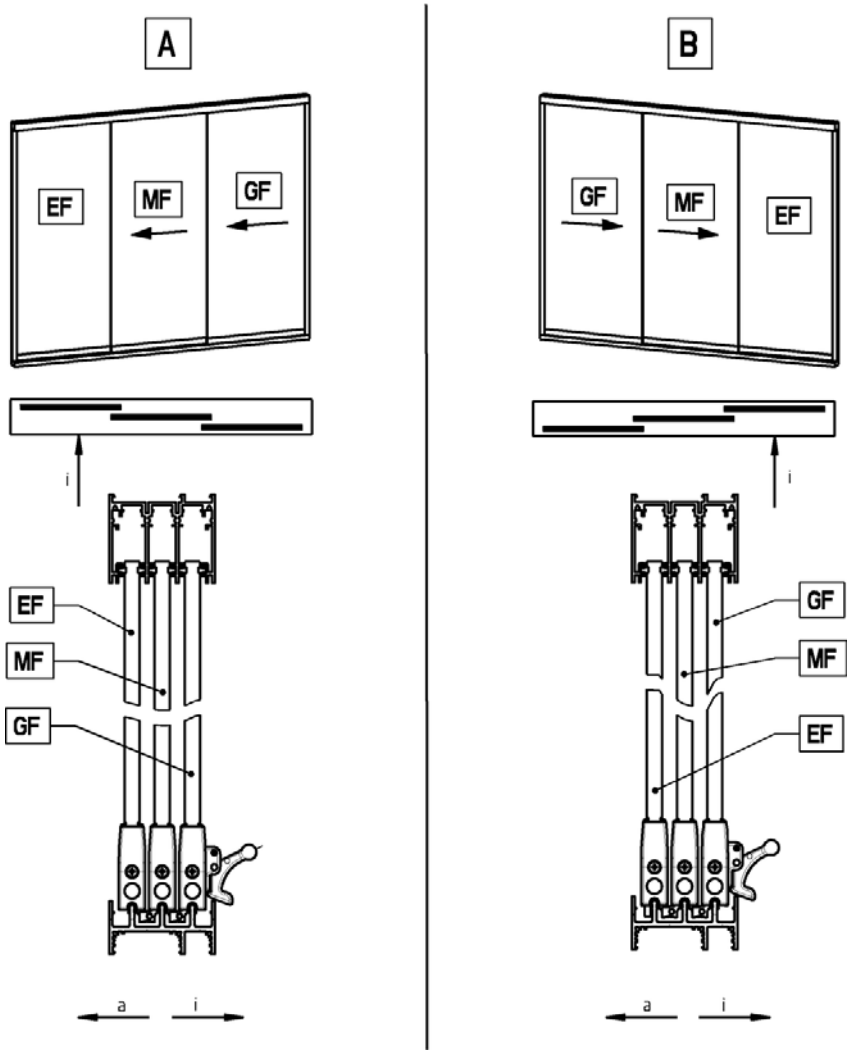


Figure 28: Inserting the leafs

a	Exterior
i	Interior
A	Opens to the left
B	Opens to the right
EF	End leaf
MF	Middle leaf
GF	Active leaf

6.8 Inserting the leafs based on the example of a w17-c that opens to the right

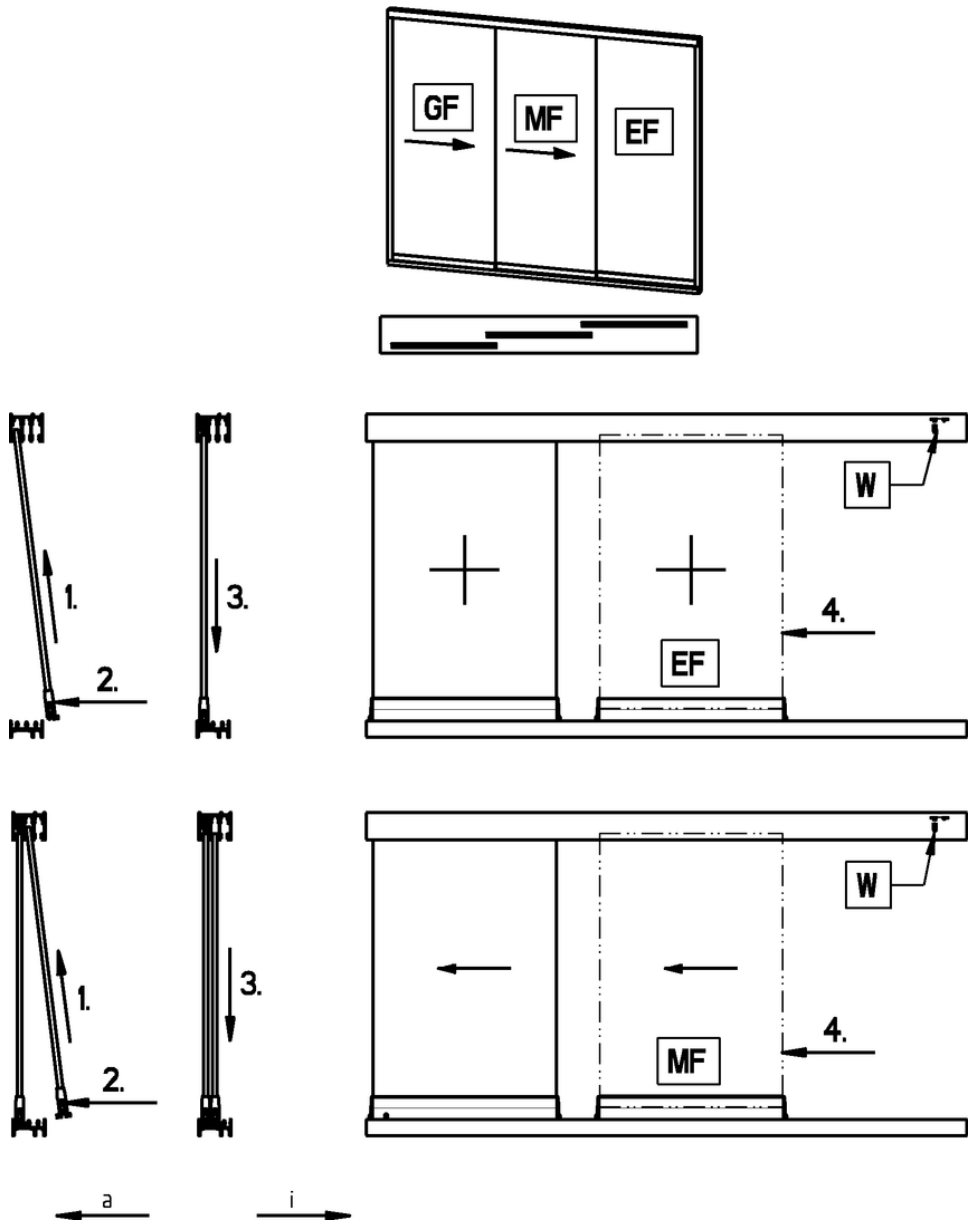


Figure 29: Installing the leafs

Inserting the leafs based on the example of a w17-c that opens to the right. Always start with the end leaf.	
1	Hold the leaf at an angle, lift and insert into the guide profile
2	Straighten up the leaf until it fits into the correct track in the guide profile
3	Lower the leaf onto the track
4	Slide the leaf to the active leaf side
W	Anti-lift device; one each located to the left and to the right, above the active or end leaf. As no leafs can be inserted in this area, always insert them in the middle of the unit.

6.9 Assembly of the locking mechanism latch bolt to the active leaf

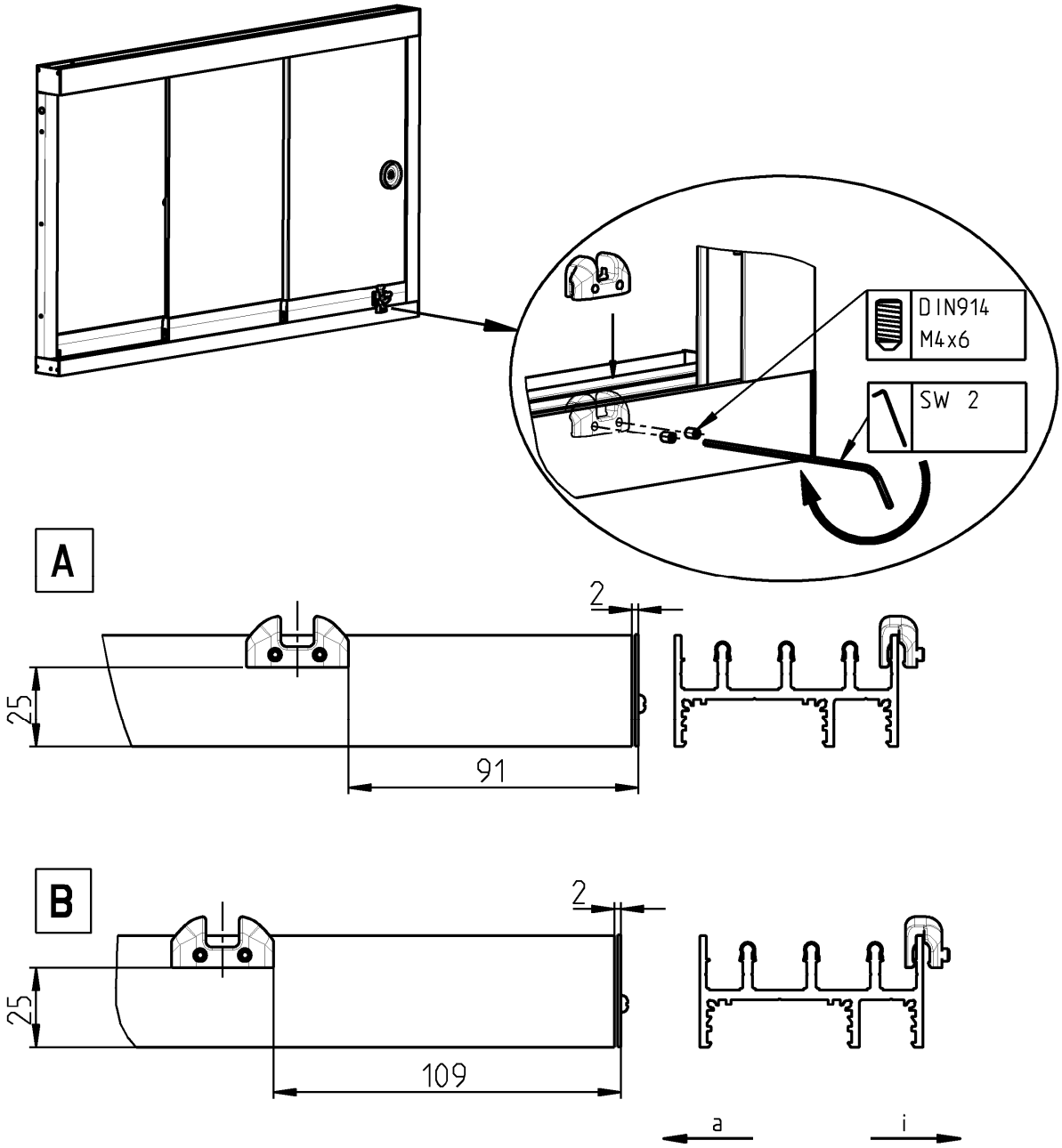


Figure 30: Assembly of the locking mechanism latch bolt to the active leaf

A	w17-c without wall attachment profiles (standard)
B	w17-c with wall attachment profiles (optional)

6.10 Adjusting the leaf stops

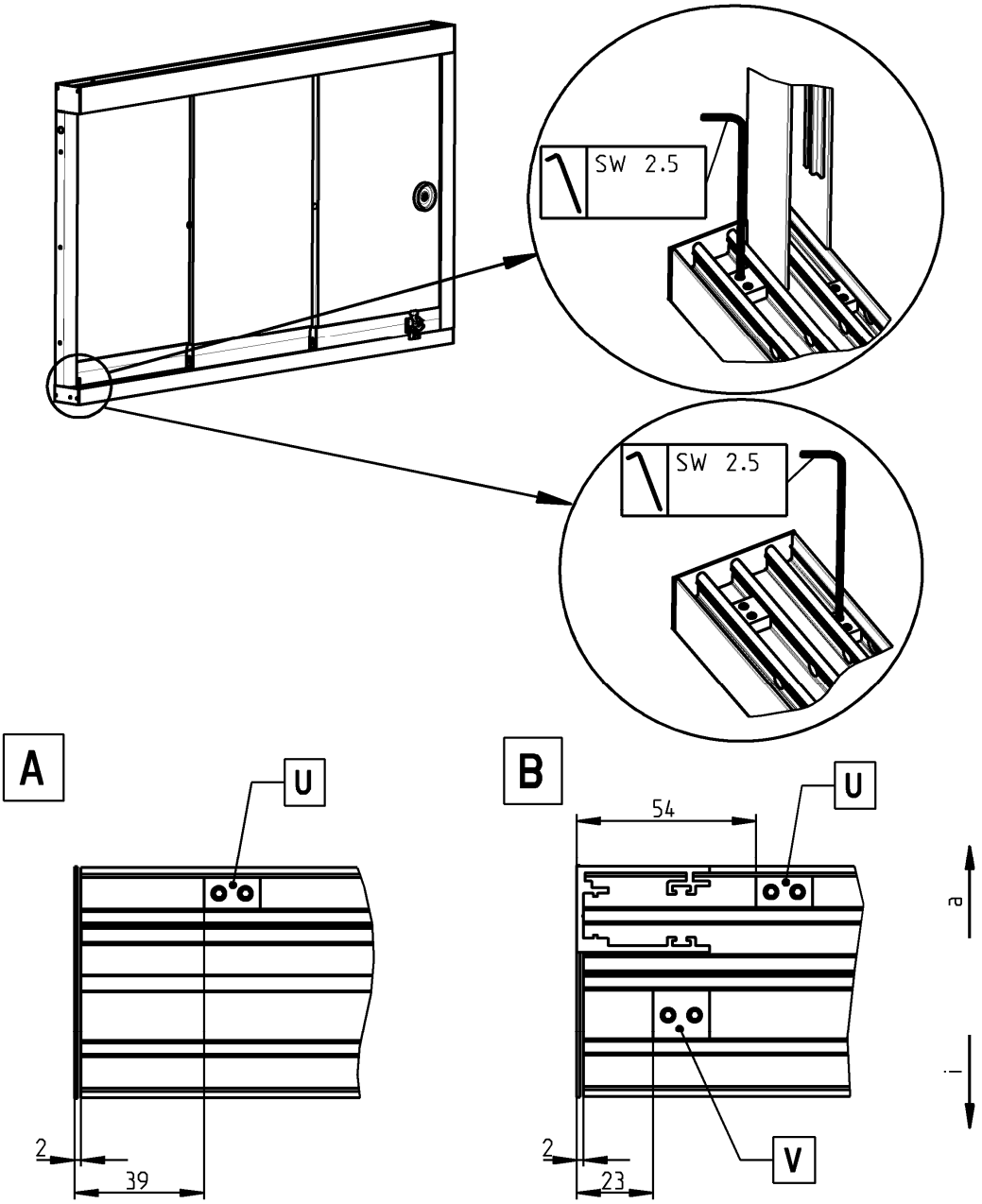


Figure 31: Adjusting the set of leafs

a	Exterior
i	Interior
A	w17-c without wall attachment profiles (standard)
B	w17-c with wall attachment profiles (optional)
U	Leaf stop for the locking mechanism on the end leaf
V	Leaf stop for the middle and active leafs; only used on w17-c with wall attachment profiles

6.10.1 Applying the transparent bumpons

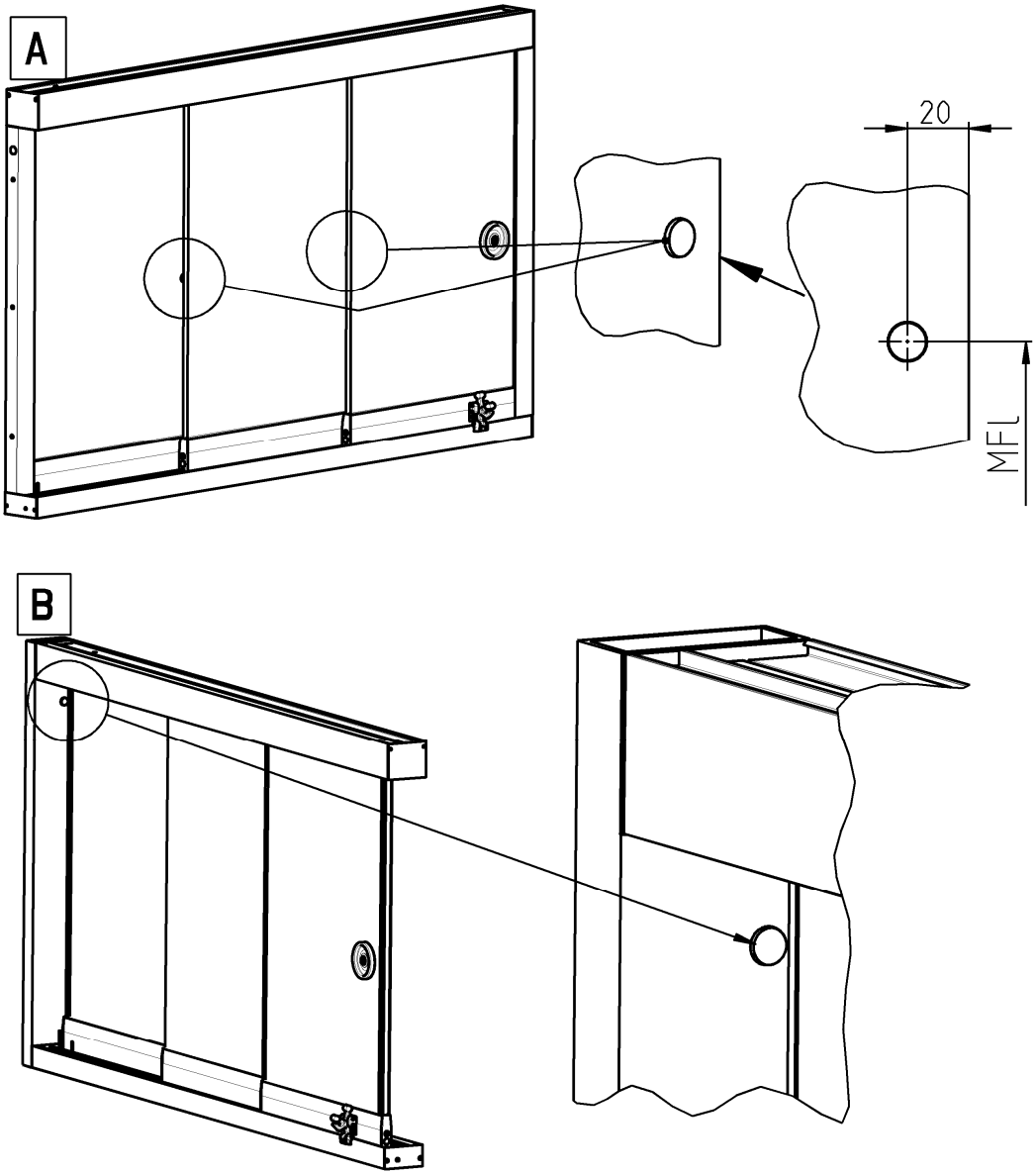


Figure 32: Adhesion of the transparent bumpons

A	Glue one transparent bumpon to the glass panel per pair of leafs
B	On a w17-c without wall attachment profiles, on the active and end leaf side, apply one bumpon to each of the parts that border at the side (e.g. frame wideners) The bumpon must be applied in such a way that it, and not the glass pane, makes contact with the parts that border at the side.
MFl	Middle of leaf

7 w17-c lockplate version

This section only refers to the special features of the lockplate version. For all other details, please consult the previous sections or the ones that follow.

7.1 Adjusting the lockplate stop

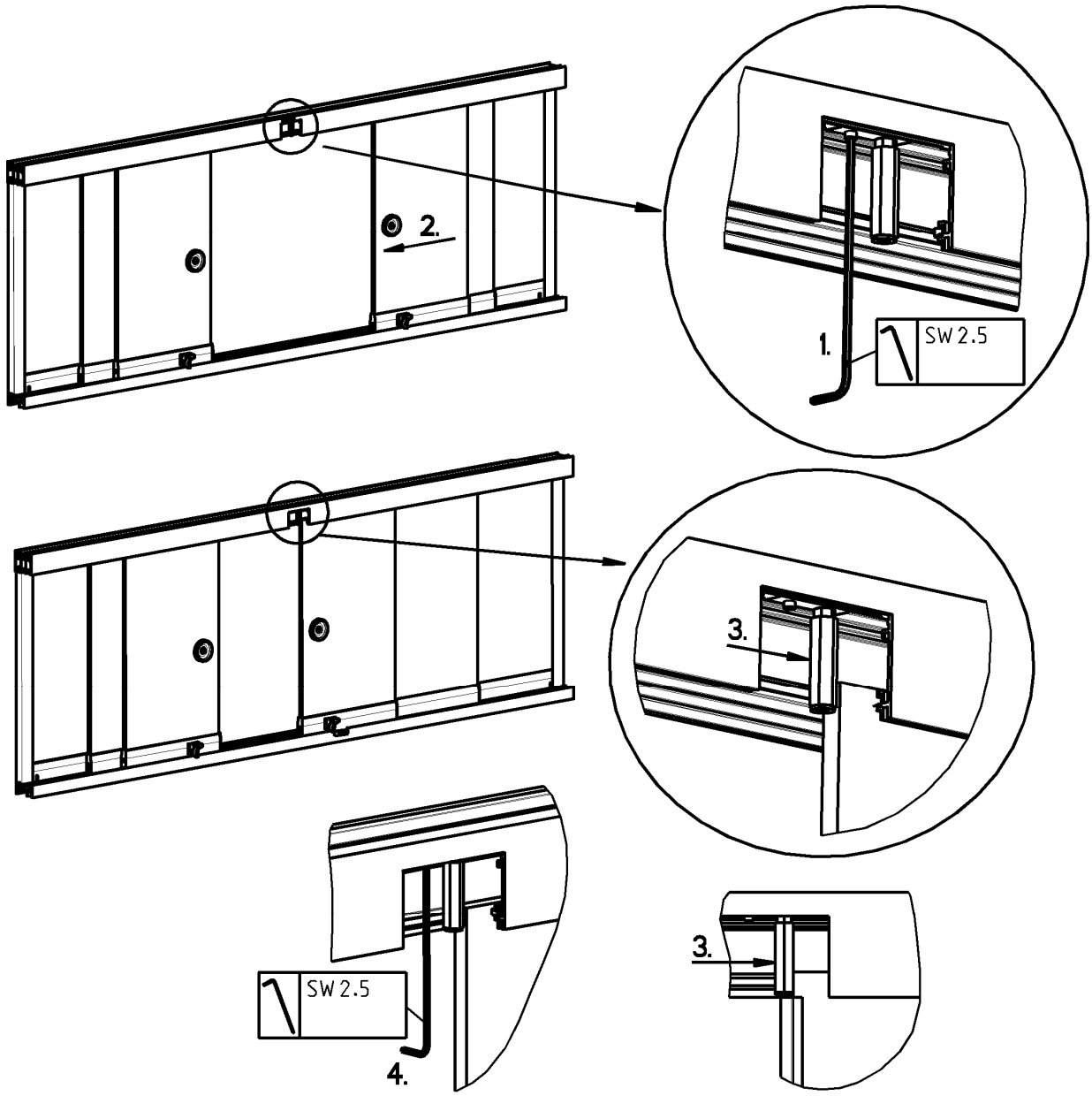


Figure 33: Adjusting the lockplate stop

1	Loosen the grub screw at the lockplate stop until you can move the stop
2	Close one side of the unit entirely (the locking mechanism will need to engage with the end leaf)
3	Slide the lockplate stop up to the glass panel
4	Lock the lockplate stop in position by tightening the grub screw

7.2 Adjusting the leaf stops on lockplate versions

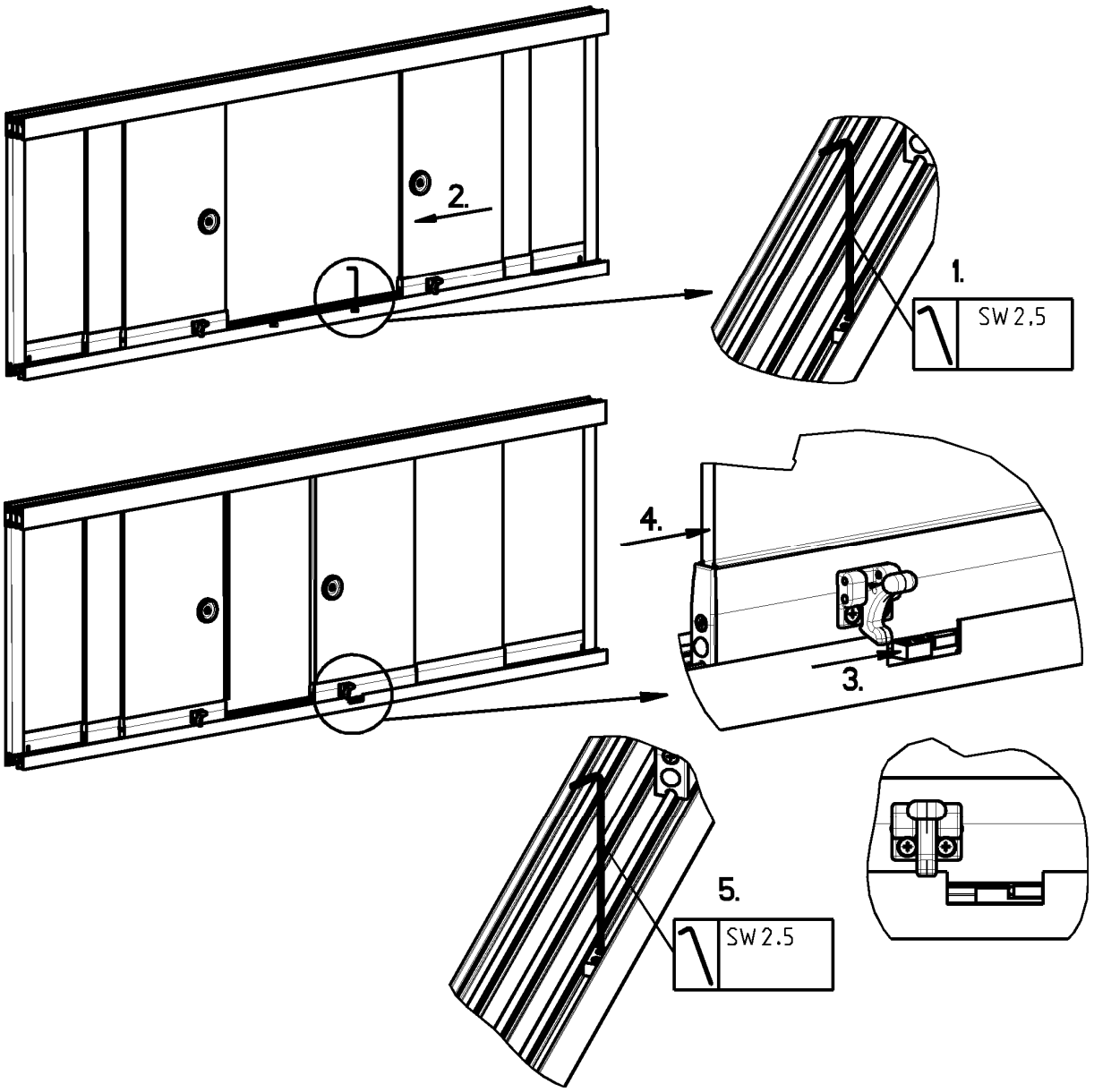


Figure 34: Adjusting sets of leafs on lockplate versions

The follow installation steps will need to be carried out for both the left- and right-hand side of the unit.	
1	Loosen the grub screws on the leaf stop until you can move the stop
2	Close one side of the unit entirely (the locking mechanism will need to have engaged with the end leaf)
3	Slide the leaf stop to one side until it makes contact with the actuator on the leaf
4	Open the side of the unit until you can access the leaf stop with an Allen key
5	Lock the leaf stop in this position by tightening the grub screws

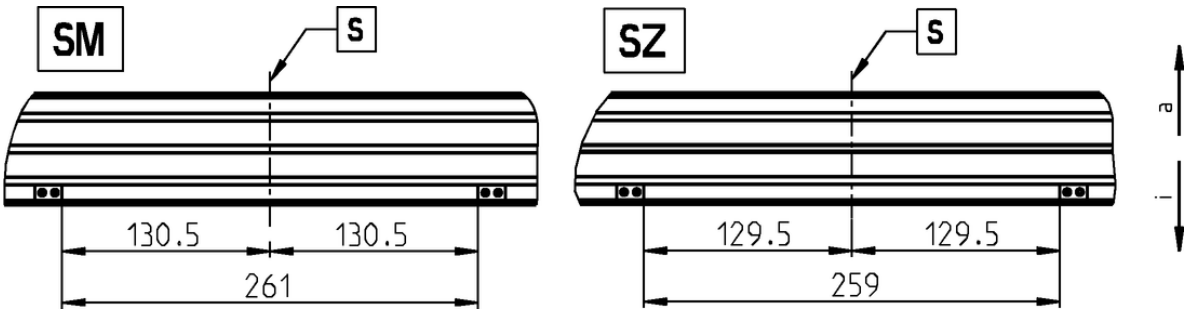


Figure 35: Position of leaf stops

a	Exterior
i	Interior
S	End of lockplate where both sides of the unit meet
SM	Lockplate version with cup pull handle (theoretical position of leaf stops)
SZ	Lockplate version with lockcase and hung bolt (theoretical position of leaf stops)

7.3 Assembly of the gap seal on lockplate versions

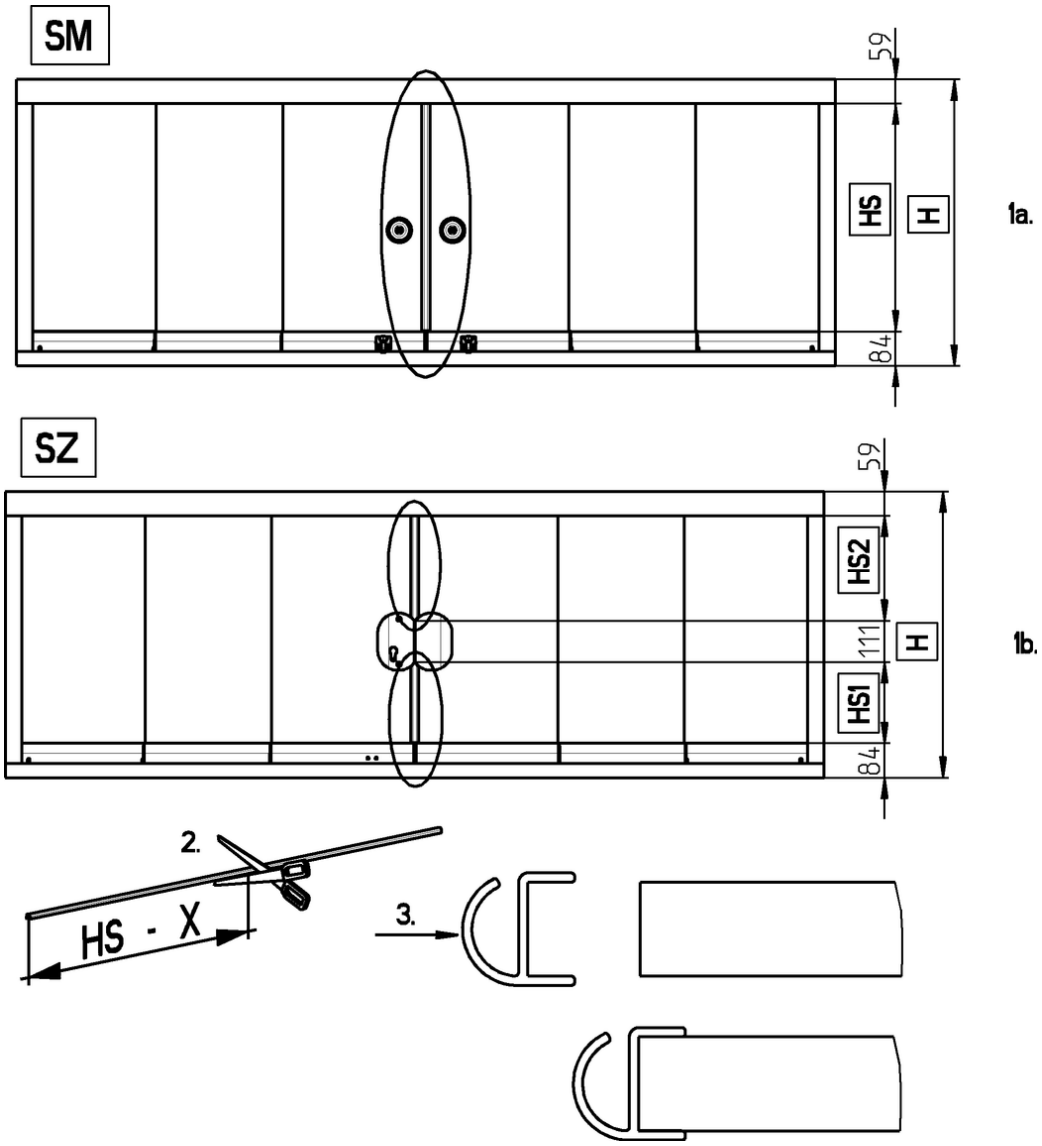


Figure 36: Assembly of the gap seal on lockplate versions

On lockplate versions, a gap seal is fitted to each of the two active leafs.	
1	Loosen the grub screws on the leaf stop until you can move the stop
2	Trim the gap seal accordingly. By way of preventing the gap seal from jamming between the parts directly above and below it, take off a little more from the gap seal than normal (HB-X).
3	Attach the gap seal to the glass pane.
HS	Maximum height of gap seal
HS1, HS2	Partial heights of gap seal
H	Height of w17-c
SM	Lockplate version with cup pull handle
SZ	Lockplate version with lockcase and hung bolt

8 90° corner units

This section only refers to the special features of a 90° corner unit. For all other details, please consult the previous sections or the ones that follow.

8.1 Coupling the guide profiles in the 90° corner

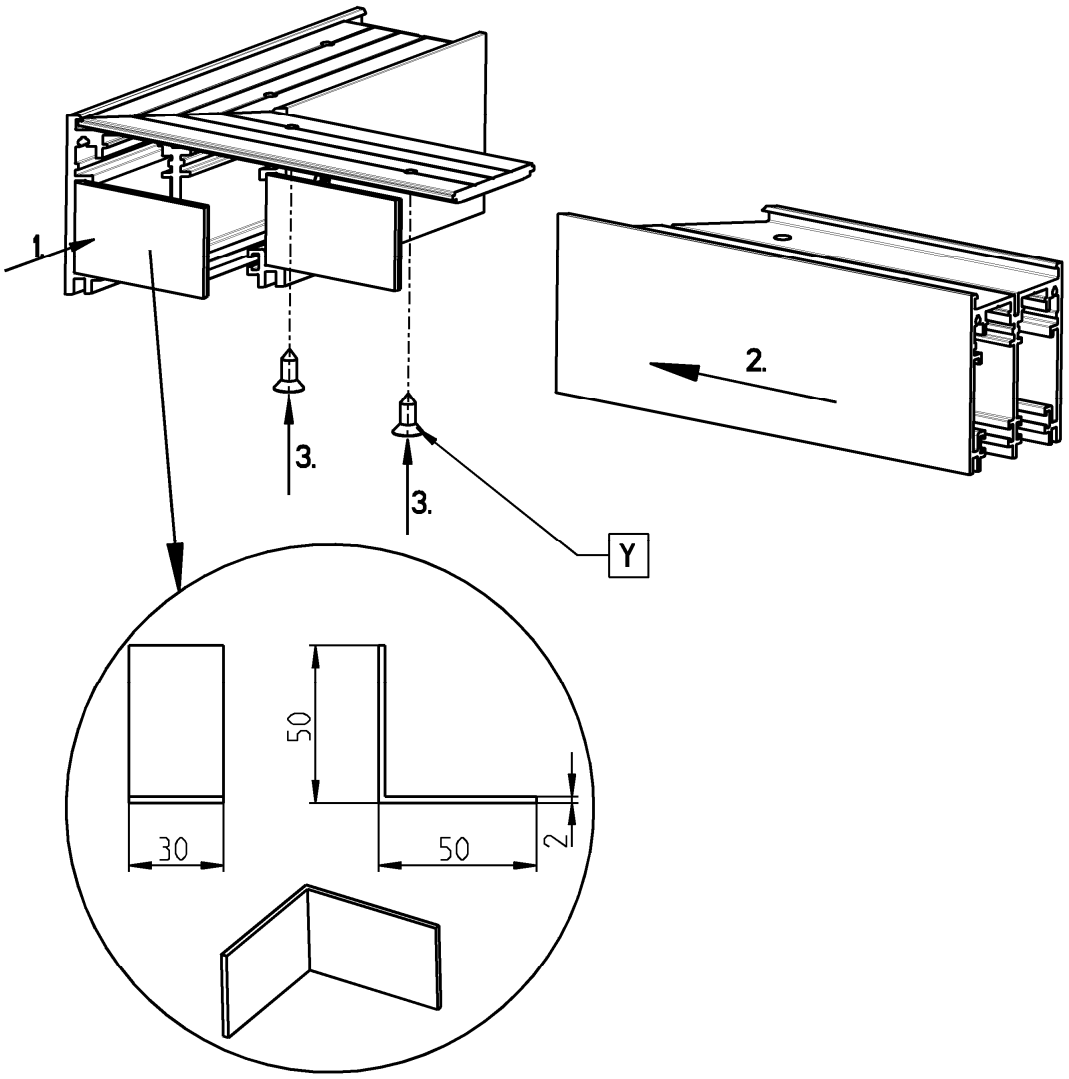


Figure 37: Coupling the guide profiles in the 90° corner

Y	Screws fitted on-site (optional)

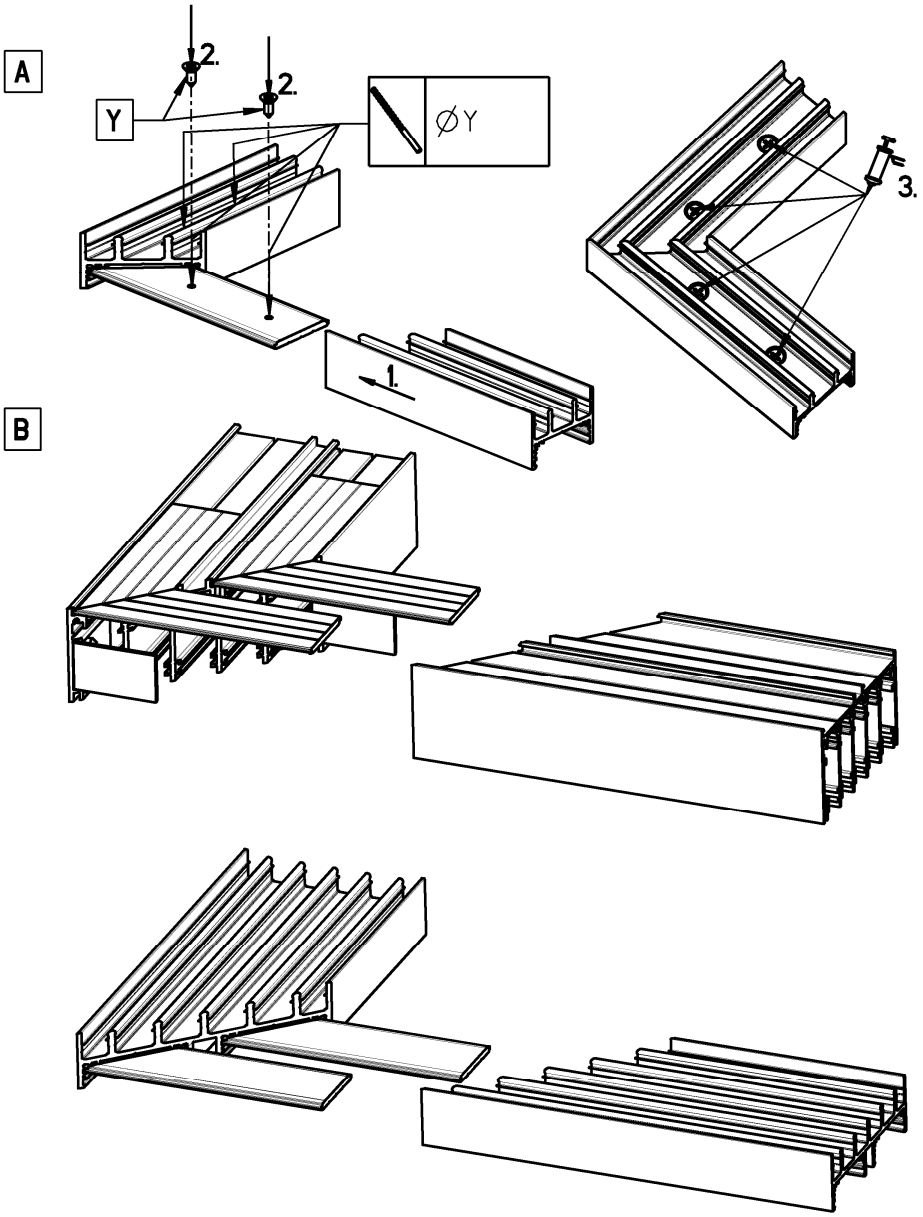


Figure 38: Coupling the guide profiles in the 90° corner for versions with 2, 3, 4 and 5 tracks

A	valid for units with 2, 3 and 4 tracks (coupled using one corner connector)
B	valid for units with 5 tracks (coupled using two corner connectors)
Y	Screws fitted on-site (optional)

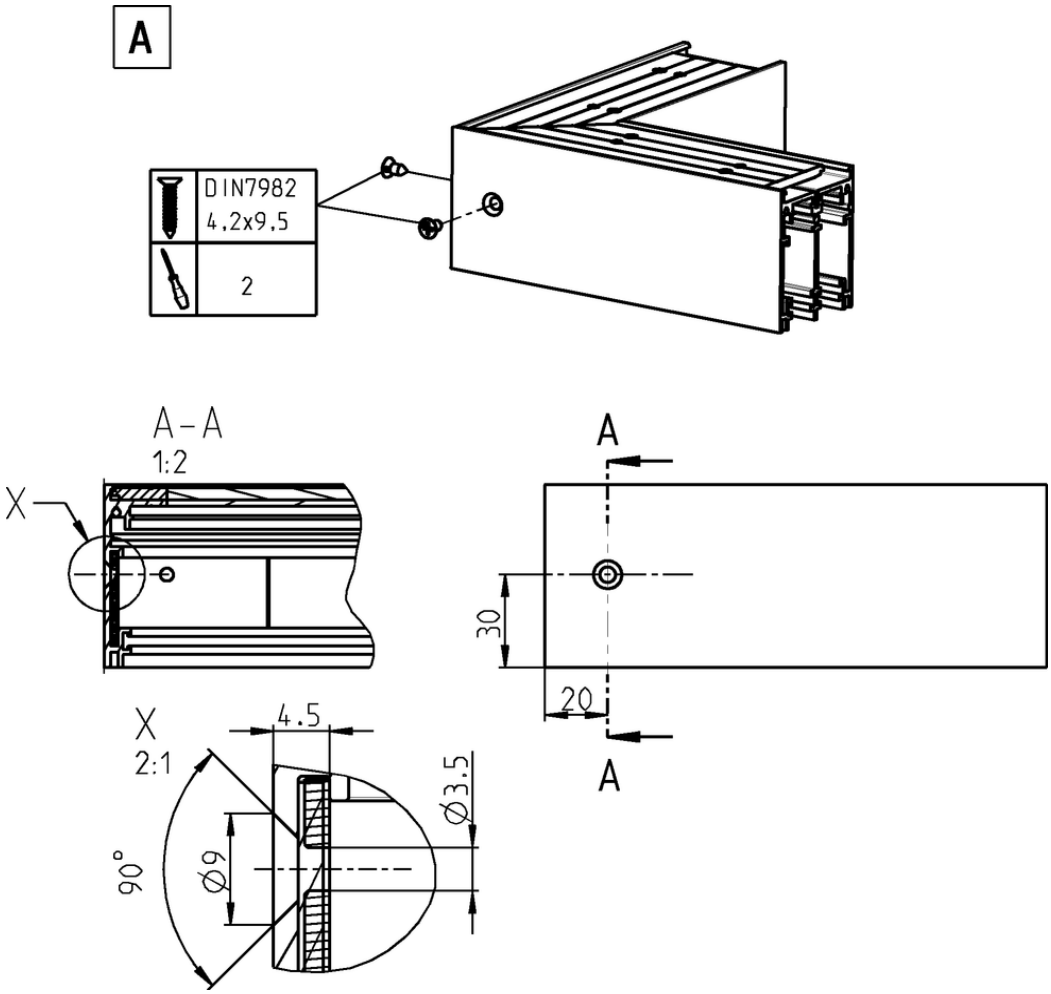


Figure 39: Additional screw fittings for guide profiles

A	If required, attach screw fittings on-site to the top guide profiles from the outside and inside

8.2 Assembly of the locking mechanism latch bolt on 90° corner units

	Depending on how the corner unit is designed, the latch bolt used for the locking mechanism may need to be fitted onto the tracks and not to the inside bottom guide profile stud as is customary with straight units. It is necessary to fit the latch bolt to the tracks if the corner unit has unequal numbers of leafs at the front and side.

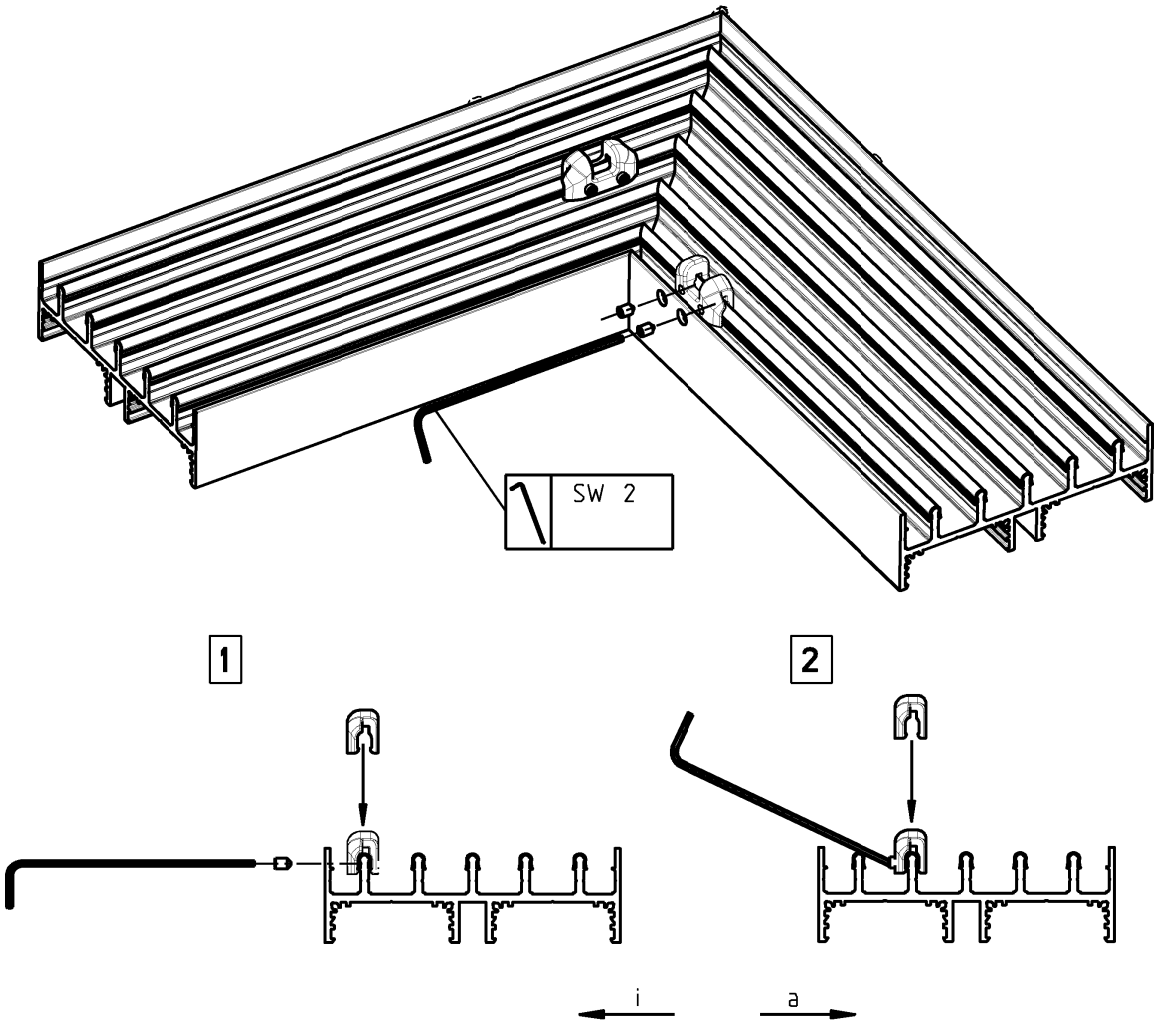


Figure 40: Assembly of the locking mechanism latch bolt on 90° corner units

a	Exterior
i	Interior
1	Affix the latch bolt to the innermost track
2	Affix the latch bolt to the outer tracks

8.3 Assembly to the WeiTop Terrazza behind the posts

	If a w17-c is to be retrofitted to a Terrazza roof, the provision for the glazing elements will need to be fitted to the gutter.

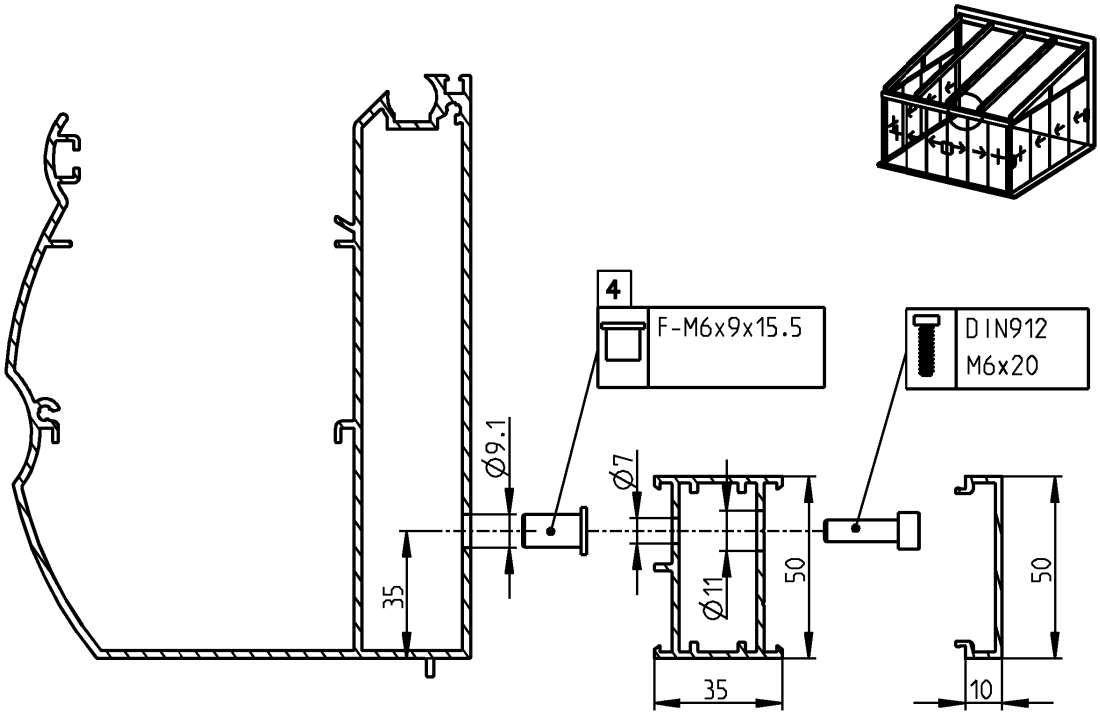


Figure 41: Assembly to the WeiTop Terrazza behind the post

4	Rivet nut

	During the assembly of the top and bottom guide profiles, it is vital that they match the ordered height of the unit and that the spacing cannot increase in the course of time.

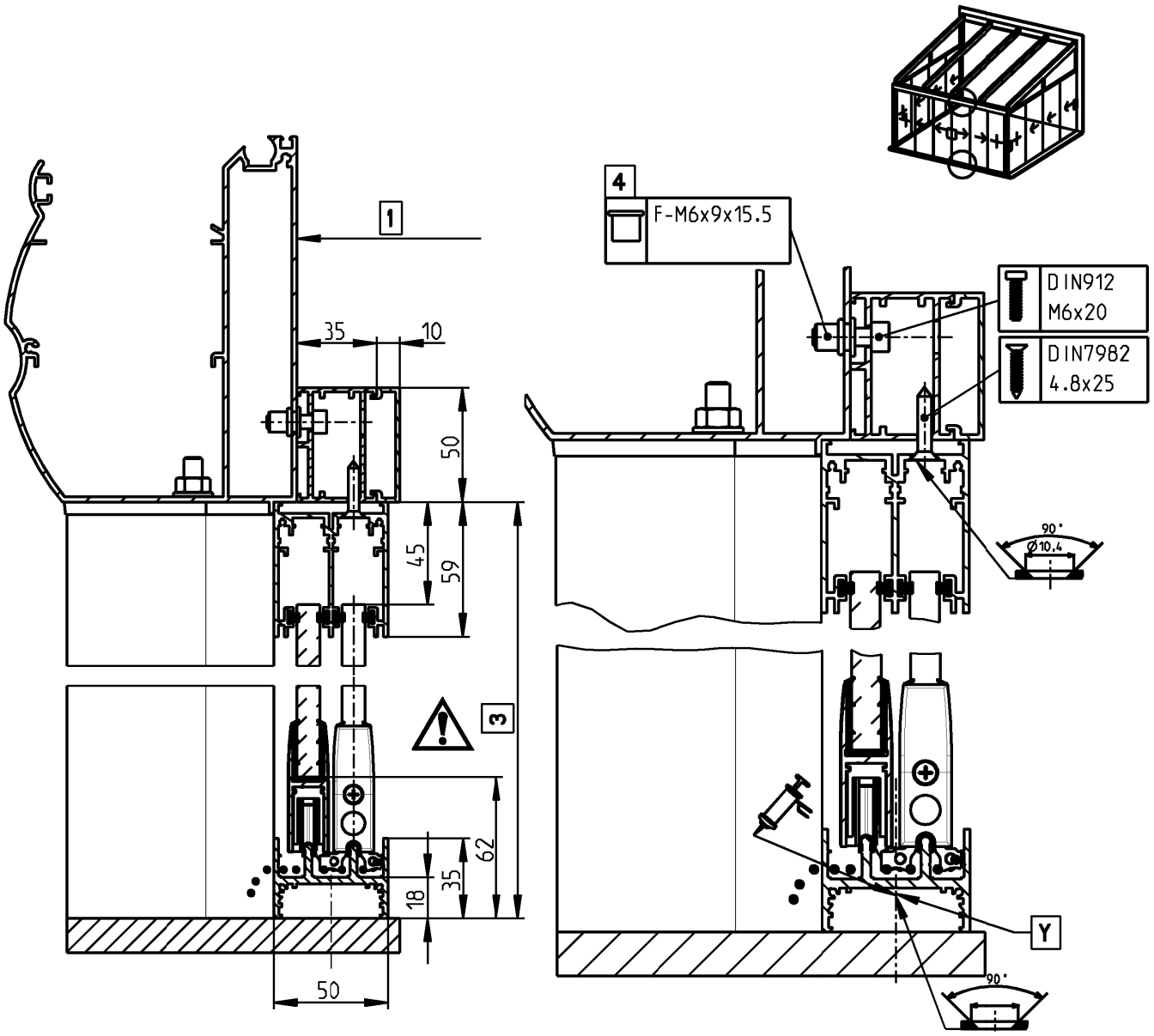


Figure 42: Assembly of the guide profiles behind the post

Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
3	Bottom edge of gutter
4	Rivet nut

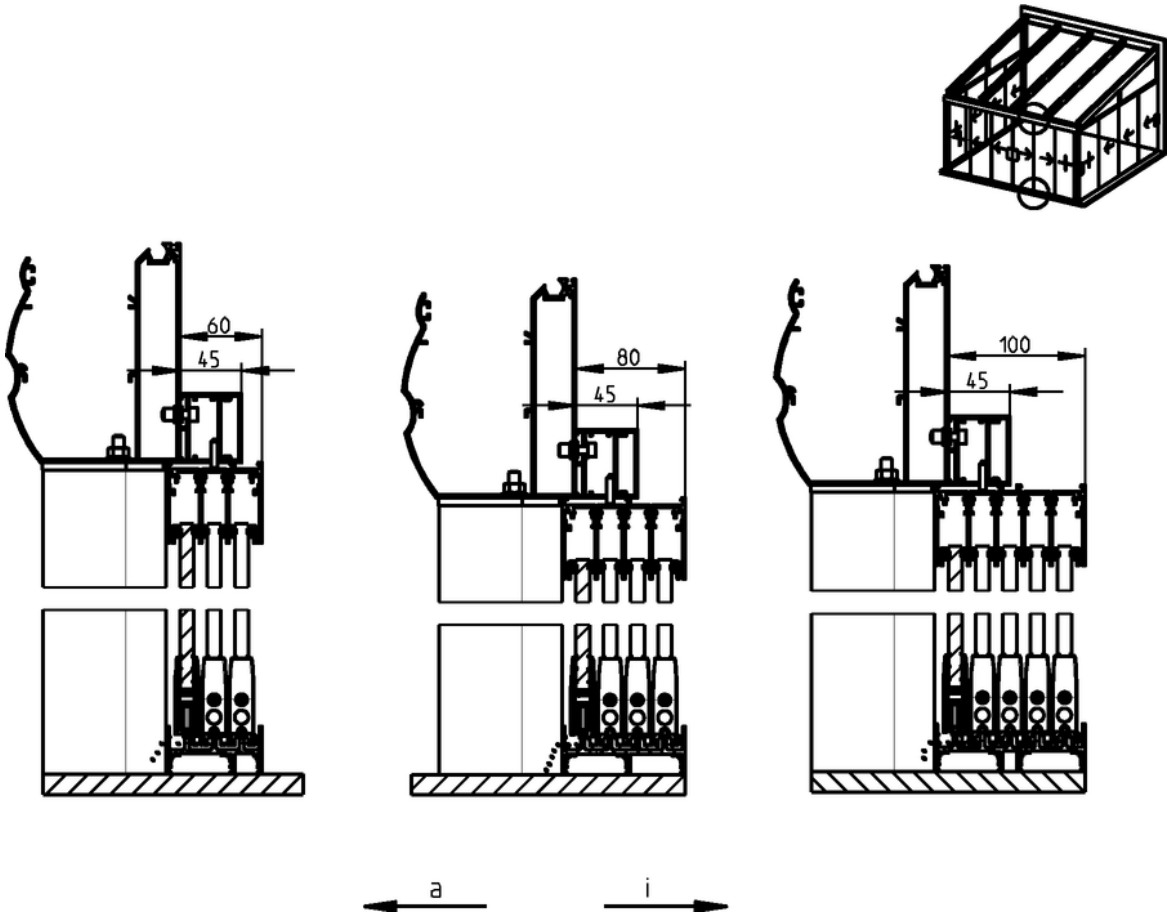


Figure 43: Assembly of the guide profiles behind the post, 3 to 5 tracks

a	Exterior
i	Interior

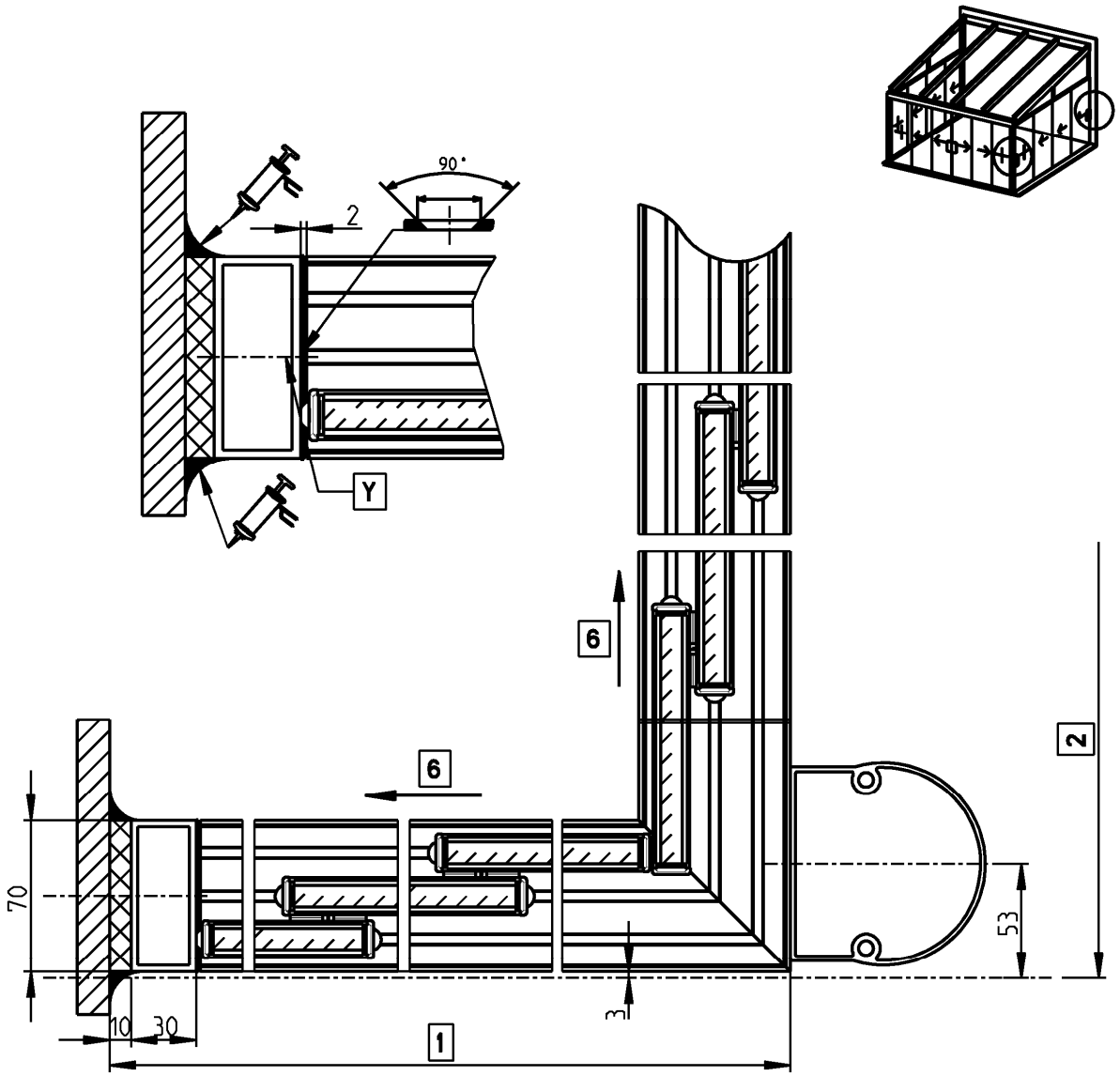


Figure 44: Assembly behind the post on a 90° corner unit

Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
3	Bottom edge of gutter
6	Direction of opening is a representative example only. Please consult the order confirmation for actual direction of opening on the unit to be fitted.

8.4 Assembly to the WeiTop Terrazza with roof overhang behind the posts

ⓘ	If a w17-c is to be retrofitted to a Terrazza roof, the provision for the glazing elements will need to be fitted to the gutter.

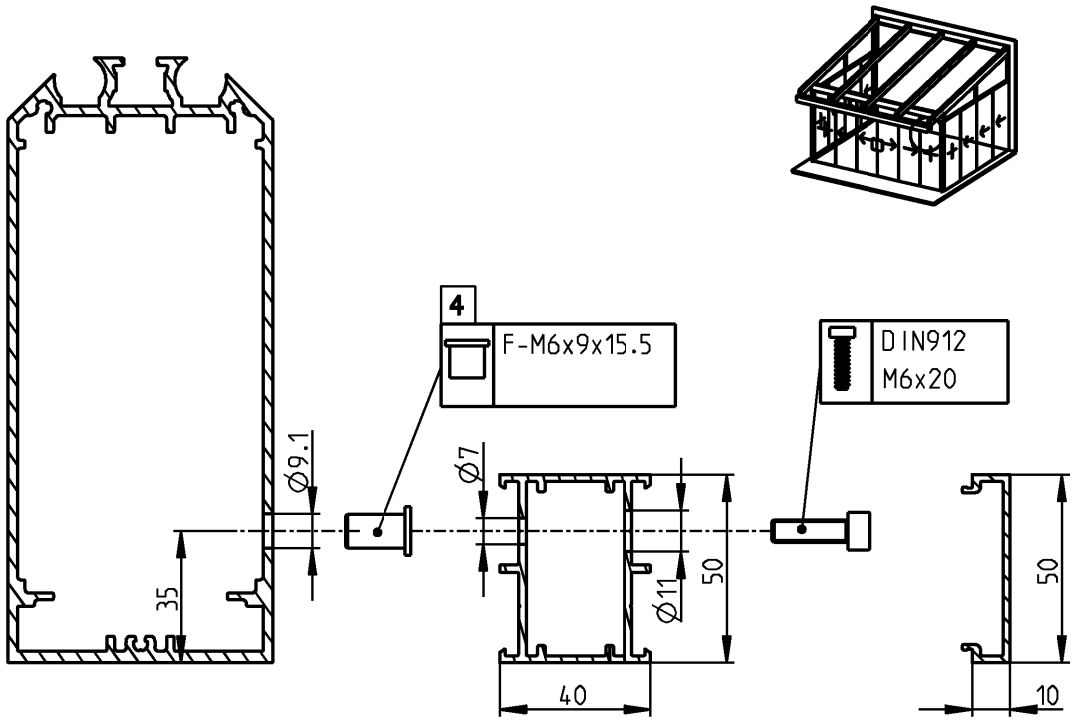


Figure 45: Assembly to the WeiTop Terrazza with roof overhang behind the posts

4	Rivet nut

	During the assembly of the top and bottom guide profiles, it is vital that they match the ordered height of the unit and that the spacing cannot increase in the course of time.

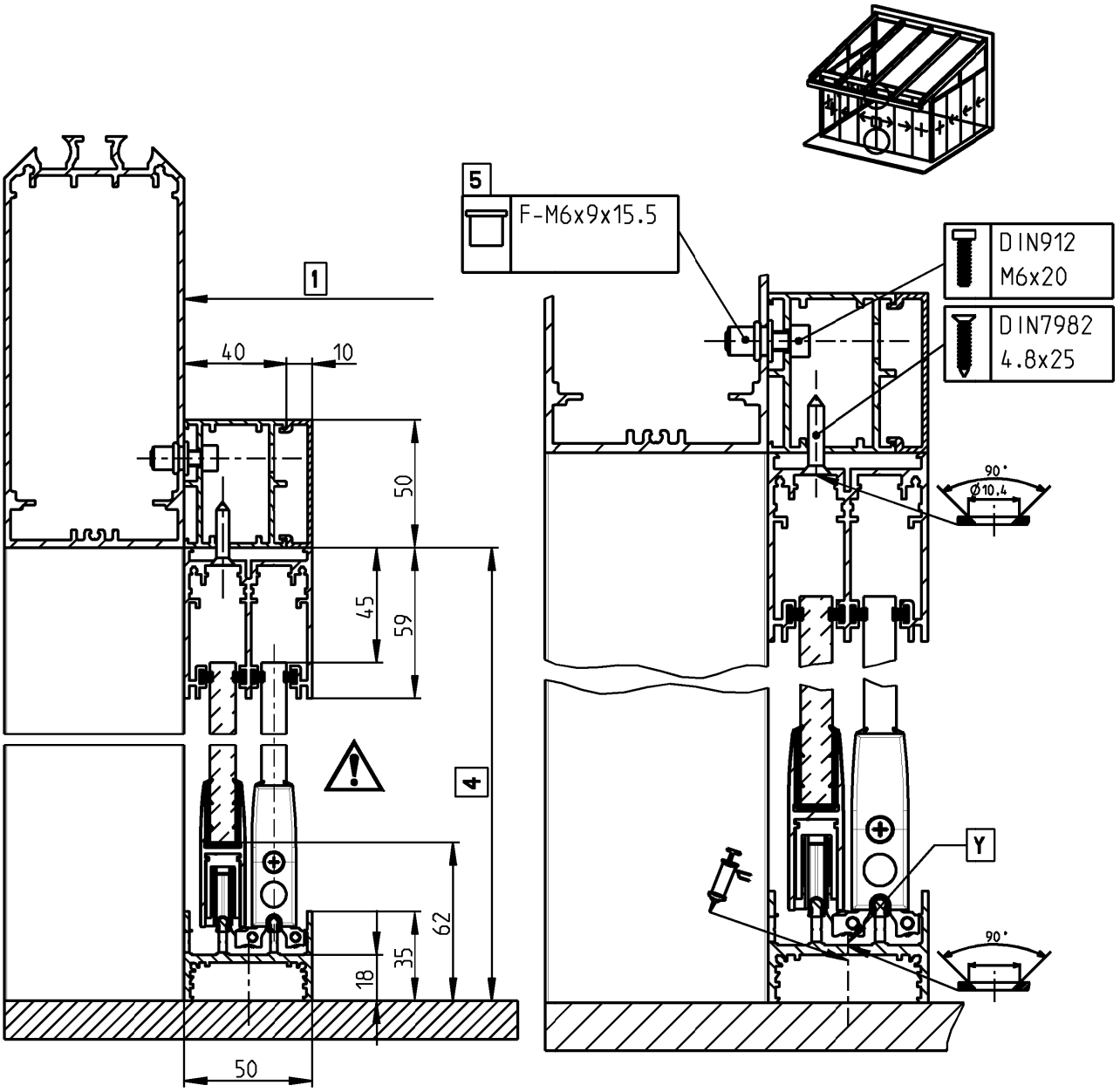


Figure 46: Assembly behind the post on a 2-track 90° corner unit

Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
4	Bottom edge of gutter
5	Rivet nut

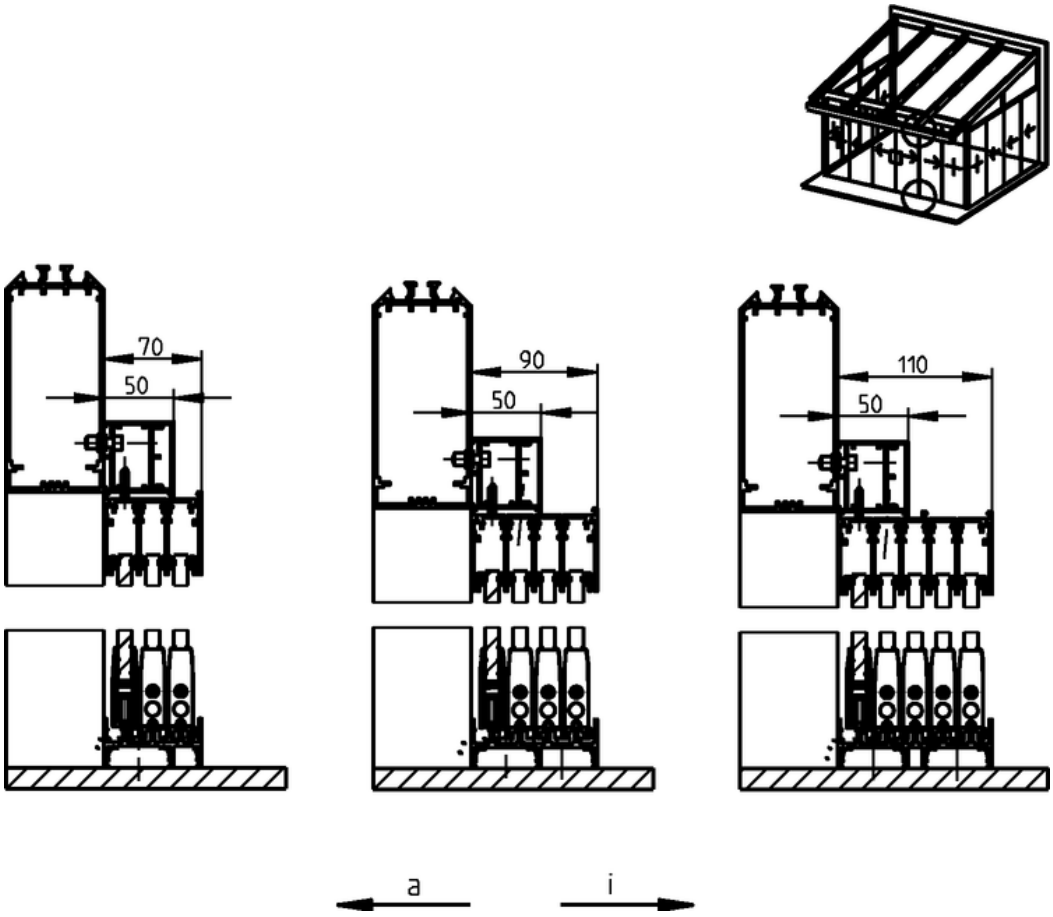


Figure 47: Assembly behind the post on a 90° corner unit, 3 to 5 tracks

a	Exterior
i	Interior

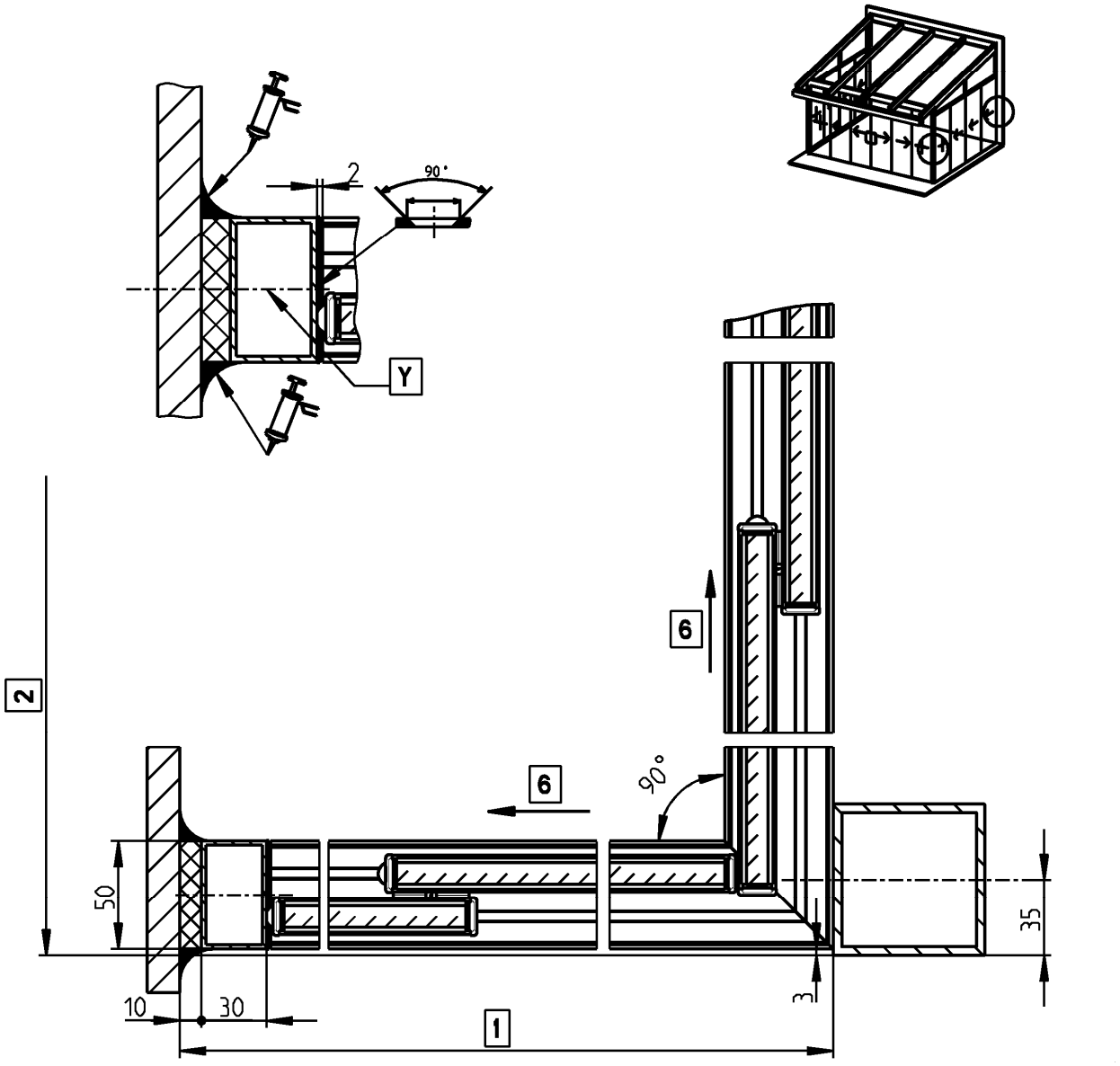


Figure 48: Assembly behind the post on a 90° corner unit with roof overhang

Y	Screws fitted on-site; choose fixings in accordance with the on-site building conditions
1	Depth of Terrazza
2	Width of Terrazza
6	Direction of opening is a representative example only. Please consult the order confirmation for actual direction of opening on the unit to be fitted.

9 Option: w17-c with lockcase and hung bolt

ATTENTION	**To align the unit** The proper functioning of the lockcase and hung bolt depends on the unit being correctly aligned. If the bottom guide profile is fitted crookedly or unevenly and the leafs are consequently also crooked, this may impede or even prevent the lockcase and hung bolt from opening and closing. This is especially true for lockplate versions.

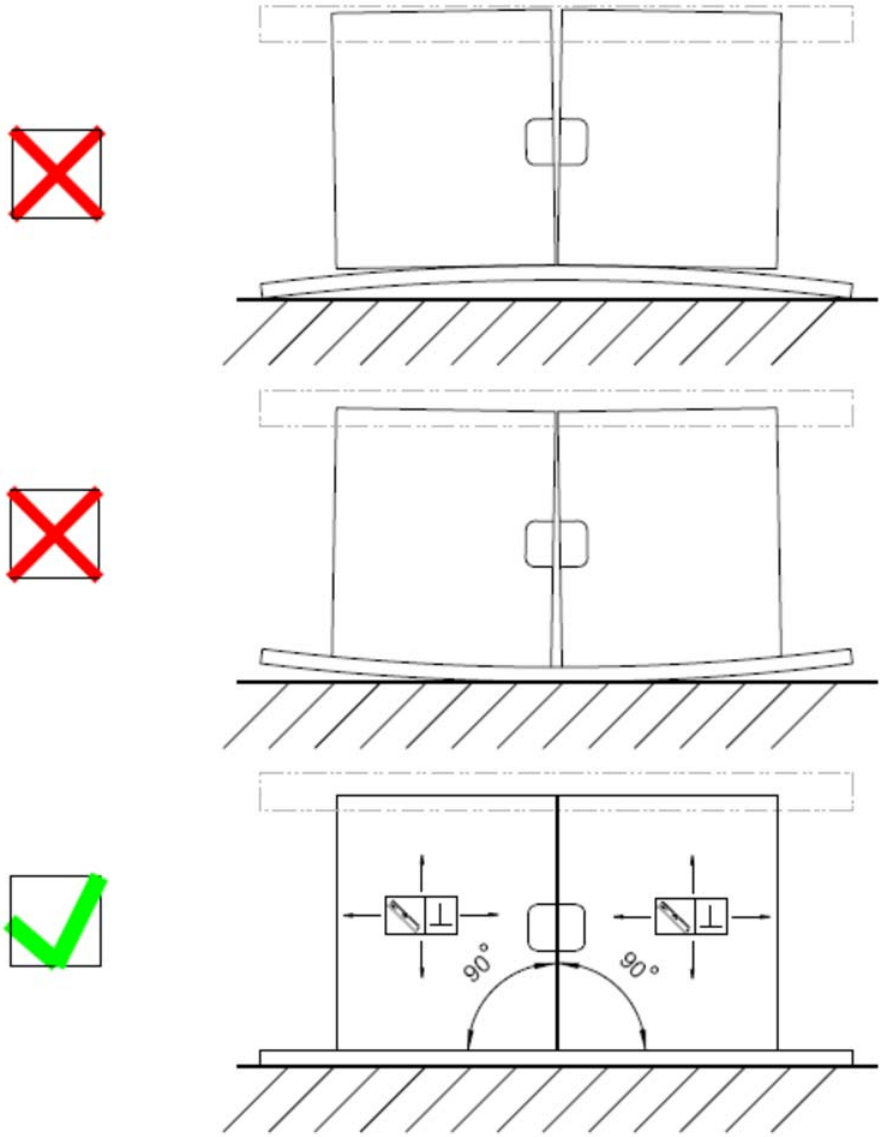


Figure 49: Aligning the bottom guide profile

9.1 Inserting the leafs on lockcase with hung bolt versions

How to insert the leafs, using the example of a unit that slides to the left, complete with lockcase and hung bolt.

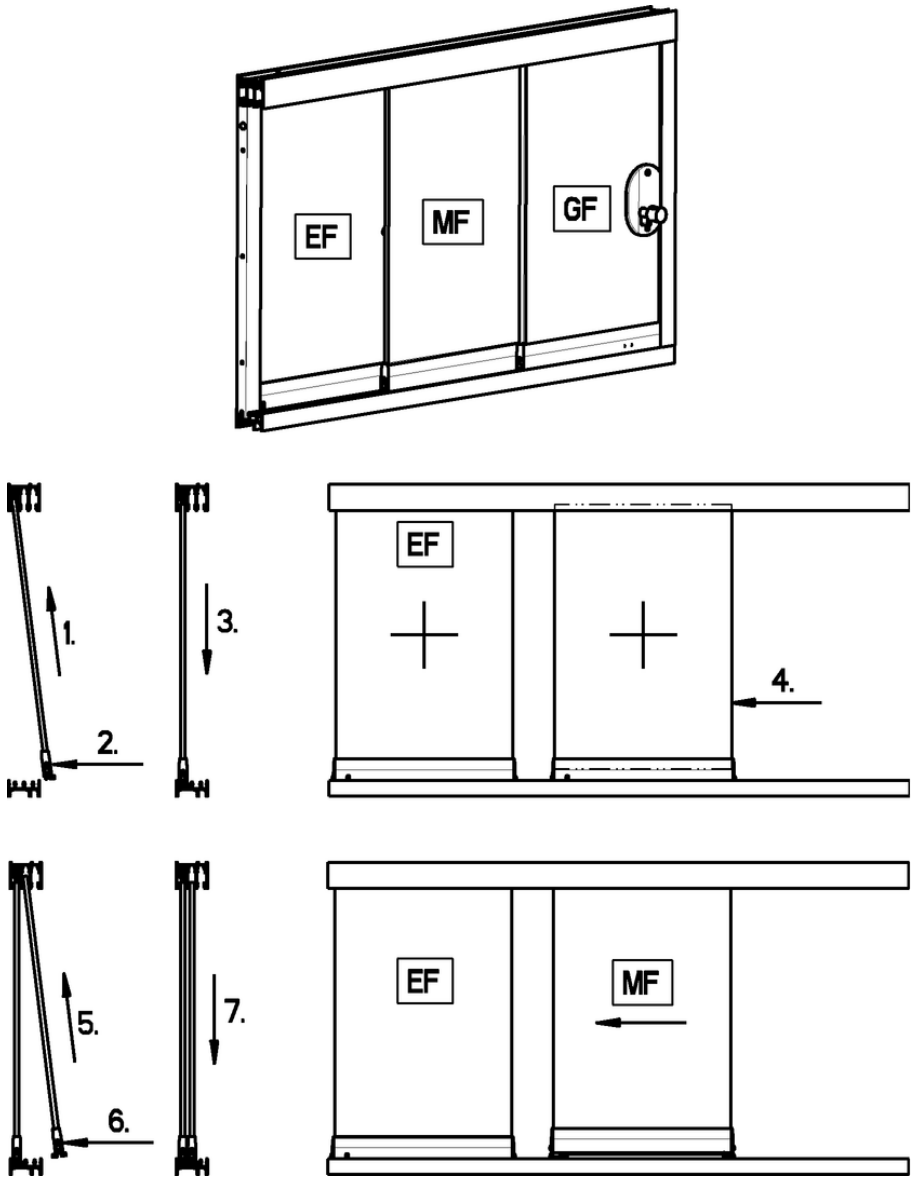


Figure 50: Inserting the leafs on lockcase with hung bolt versions

EF	End leaf
GF	Active leaf
MF	Middle leaf
1-6	Installation steps

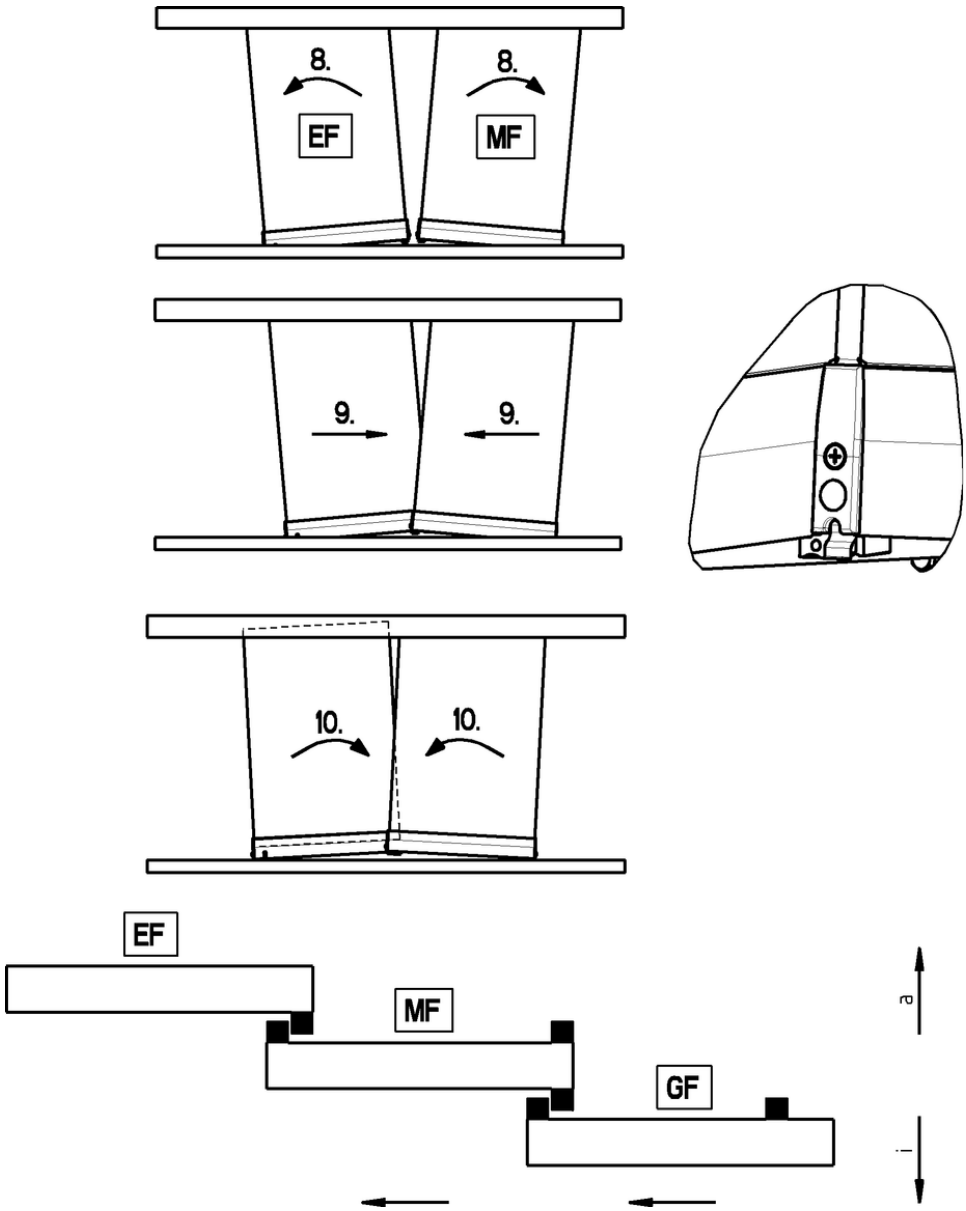


Figure 51: Attaching leafs using the additional actuators

Due to the inclusion of additional actuators on the w17-c option with a lockcase and hung bolt, the procedure for attaching the leafs is different from that for a standard unit.

a Exterior
i Interior
8 Too far. Tilt the leafs so they are at an angle to each other.
9 Slide the two leafs together until they overlap by approx. 10 cm.
10 If the actuators for the two leafs are situated one behind the other, lower both leafs until they are upright again.
■ Actuator

Fit the other leafs following the same steps.

9.2 Assembly of the profile cylinders

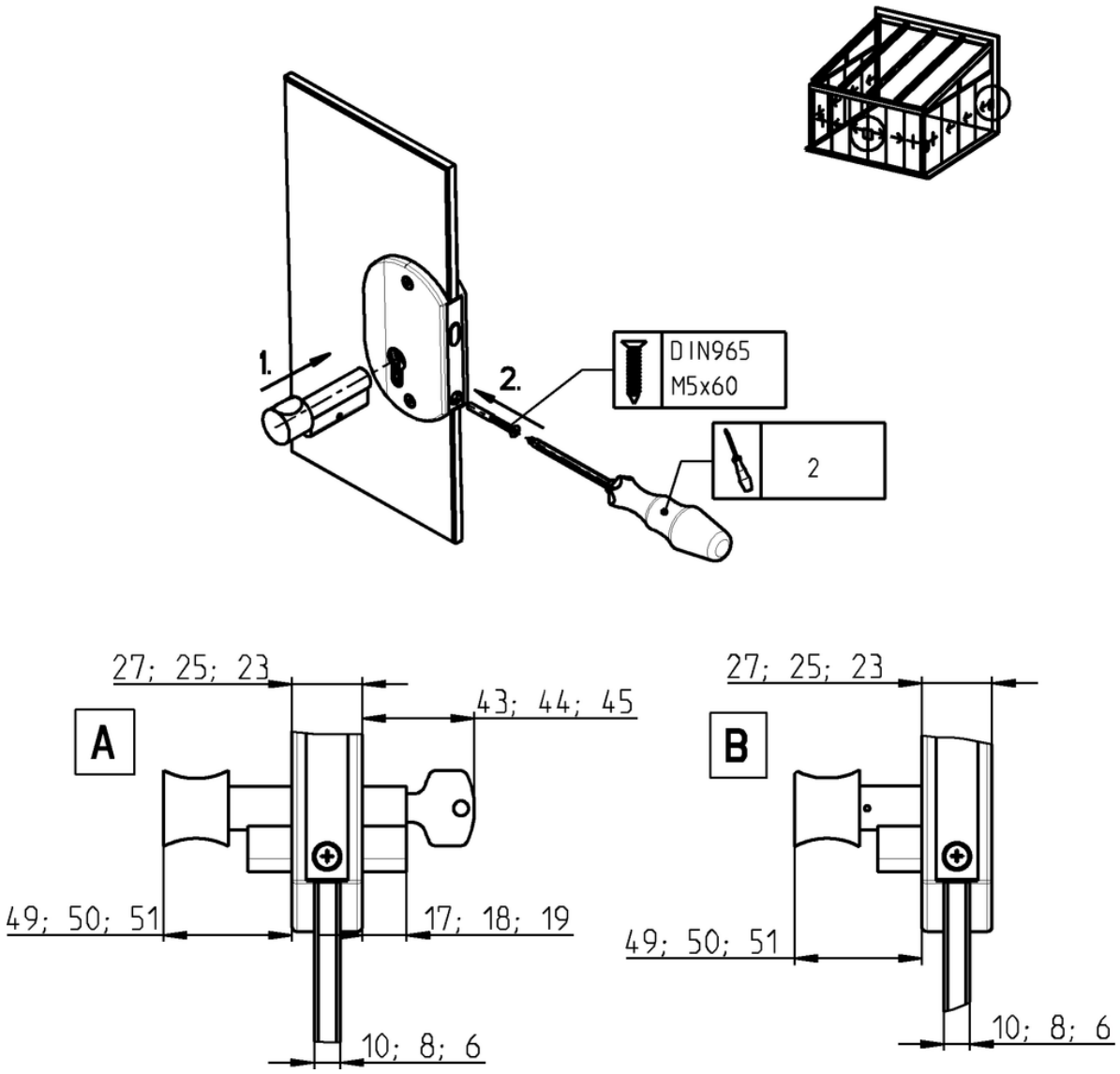


Figure 52: Affixing the lockcase and hung bolt

A	Profile cylinder for use on both the inside and outside
B	Profile cylinder for use on inside only
1	Insert profile cylinder into the opening in the lock
2	Secure the profile cylinder using the DIN965 M5x60 countersunk screw

9.3 Adjusting the striker plate for the lockcase with hung bolt on the wall attachment profile

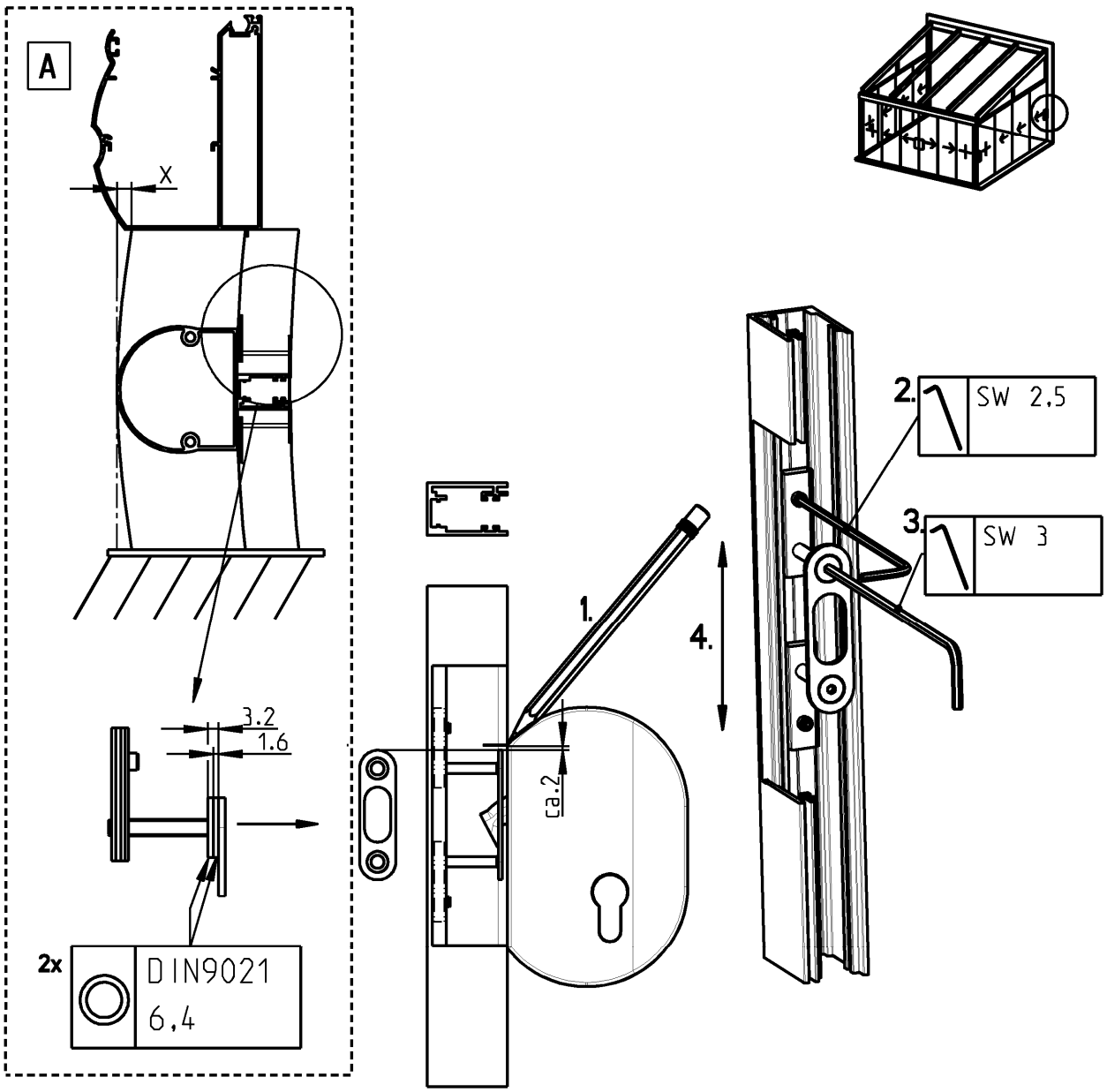


Figure 53: Adjusting the striker plate

A	Here, the "Set of screws for wall connections with lockcase with hung bolt" can alternatively be used to compensate for misalignments. These occur when the base used to bolt down the wall connection is uneven. The set is always supplied with your wall connection.
1	Close the unit and mark the position of the cover cap on the wall attachment profile
2	Slightly loosen the grub screw, but do not fully unscrew
3	Only loosen the screws holding the striker plate if the striker plate cannot be moved
4	Move the striker plate until it is 2 mm below the marking you made earlier. Then re-tighten the grub screws, and also any screws you may have needed to loosen.

9.4 Adjusting the lockcase with hung bolt plus the latch bolt

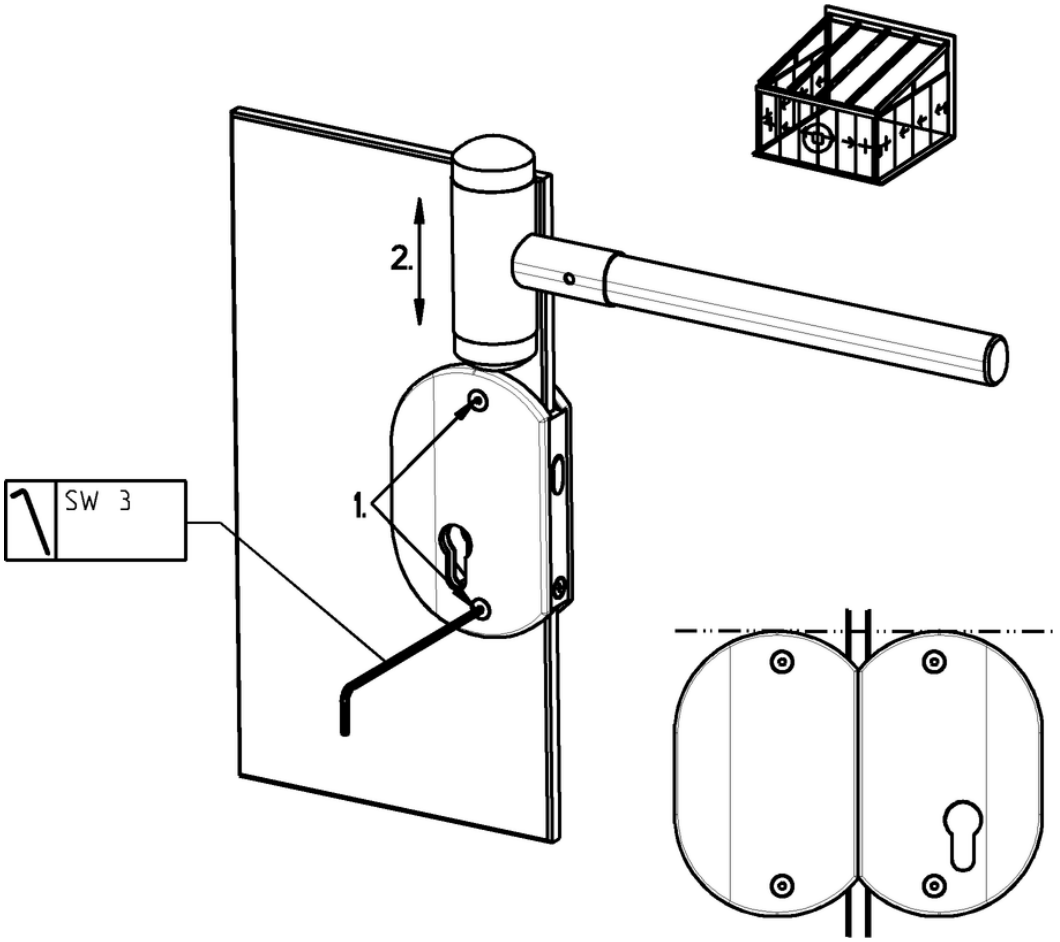


Figure 54: Adjusting the lockcase with hung bolt plus the latch bolt

To ensure that the lockcase with hung bolt functions properly, the lock and latch bolt must be at the same height. Check therefore that the lock and latch bolt match up with each other. To align the lock and the latch bolt, follow the steps below:

1 Loosen but do not fully unscrew the two screws holidng the cover cap

2 Move the lock or latch bolt by gently tapping the surface or underside of the cover cap using a rubber mallet.

This will cause the lockcase with hung bolt to move no more than 1 to 2 mm.

9.5 Adjusting the lockcase with hung bolt plus the latch bolt on lockplate versions - filing point

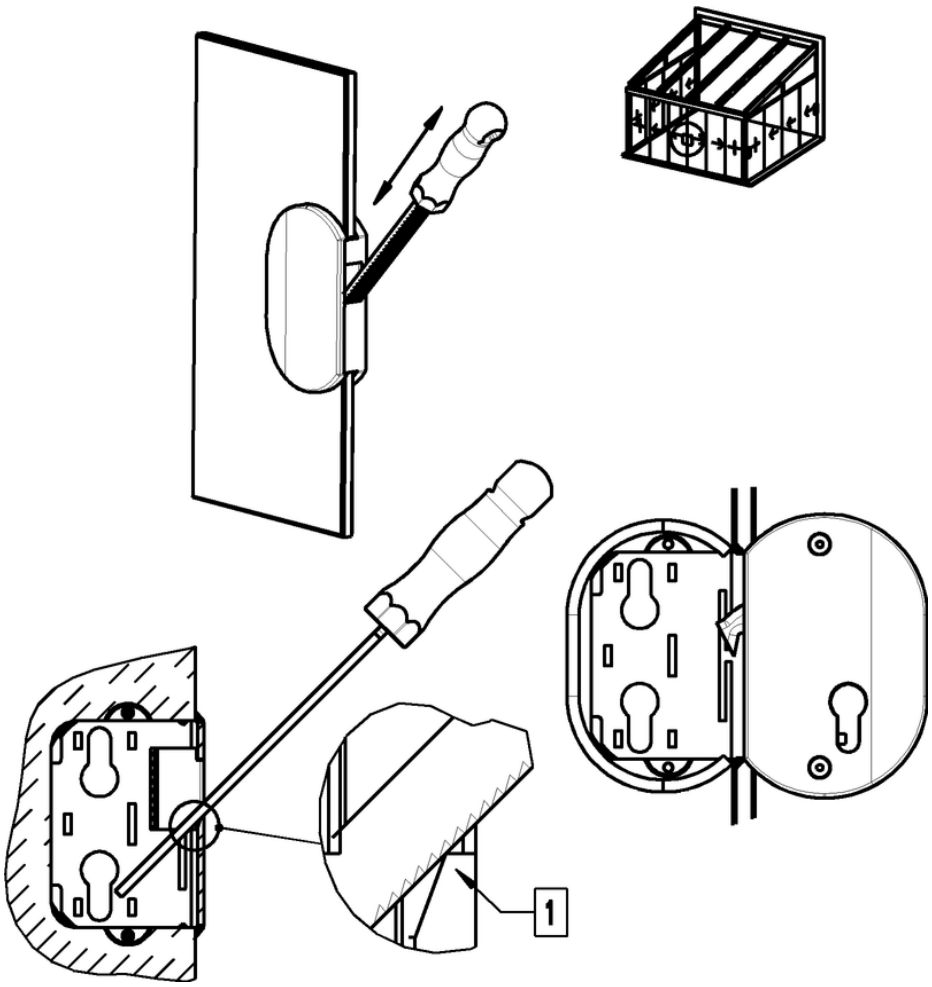


Figure 55: Adjusting the lockcase with hung bolt plus the latch bolt on lockplate versions - filing point

Due to the manufacturing tolerances in the glass, it is not always possible to exactly align the lock to the latch bolt. To ensure that the lock works nevertheless, you can file inside the latch bolt at the filing point so that the lock opens and closes. Take care when filing not to scratch the visible areas of the latch bolt.
1 Filing point

9.6 Adjusting the lockcase with hung bolt plus the latch bolt on 90° corner units - filing point

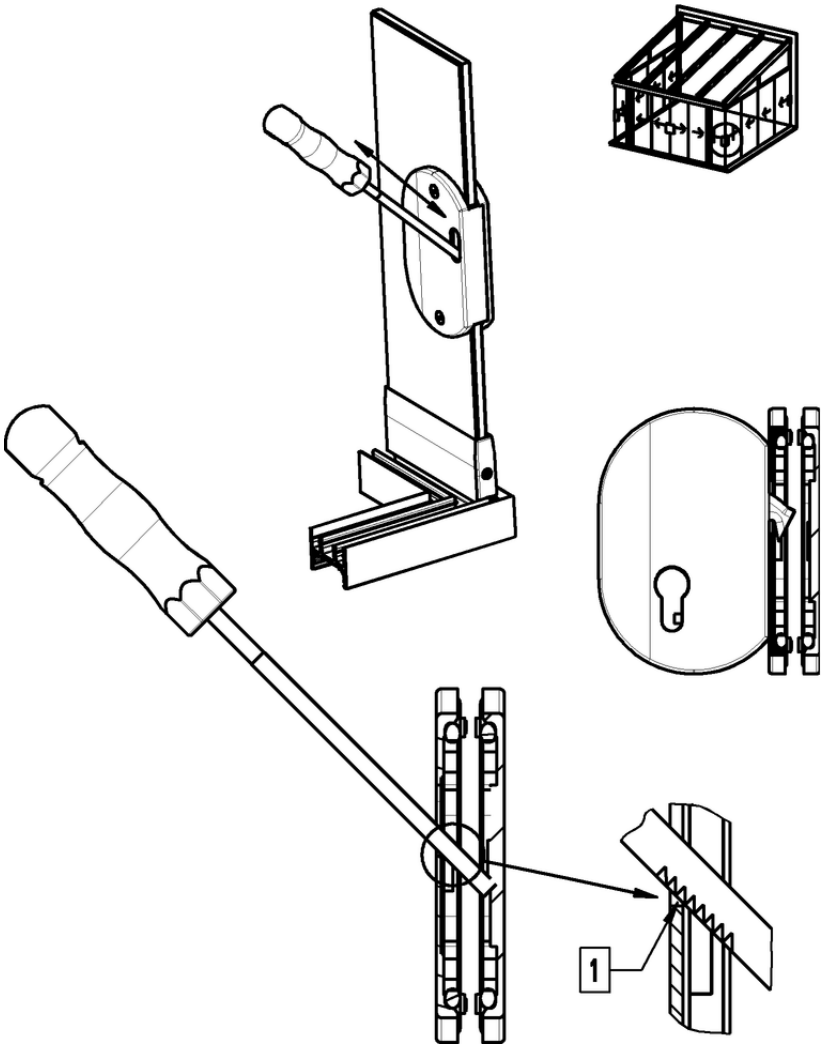


Figure56: Adjusting the lockcase with hung bolt plus the latch bolt on 90° corner units - filing point

Due to the manufacturing tolerances in the glass, it is not always possible to exactly align the lock to the latch bolt. To ensure that the lock works nevertheless, you can file inside the latch bolt at the filing point so that the lock opens and closes. Take care when filing not to scratch the visible areas of the latch bolt. 1 Filing point

10 Optional extra: extension for guide profiles

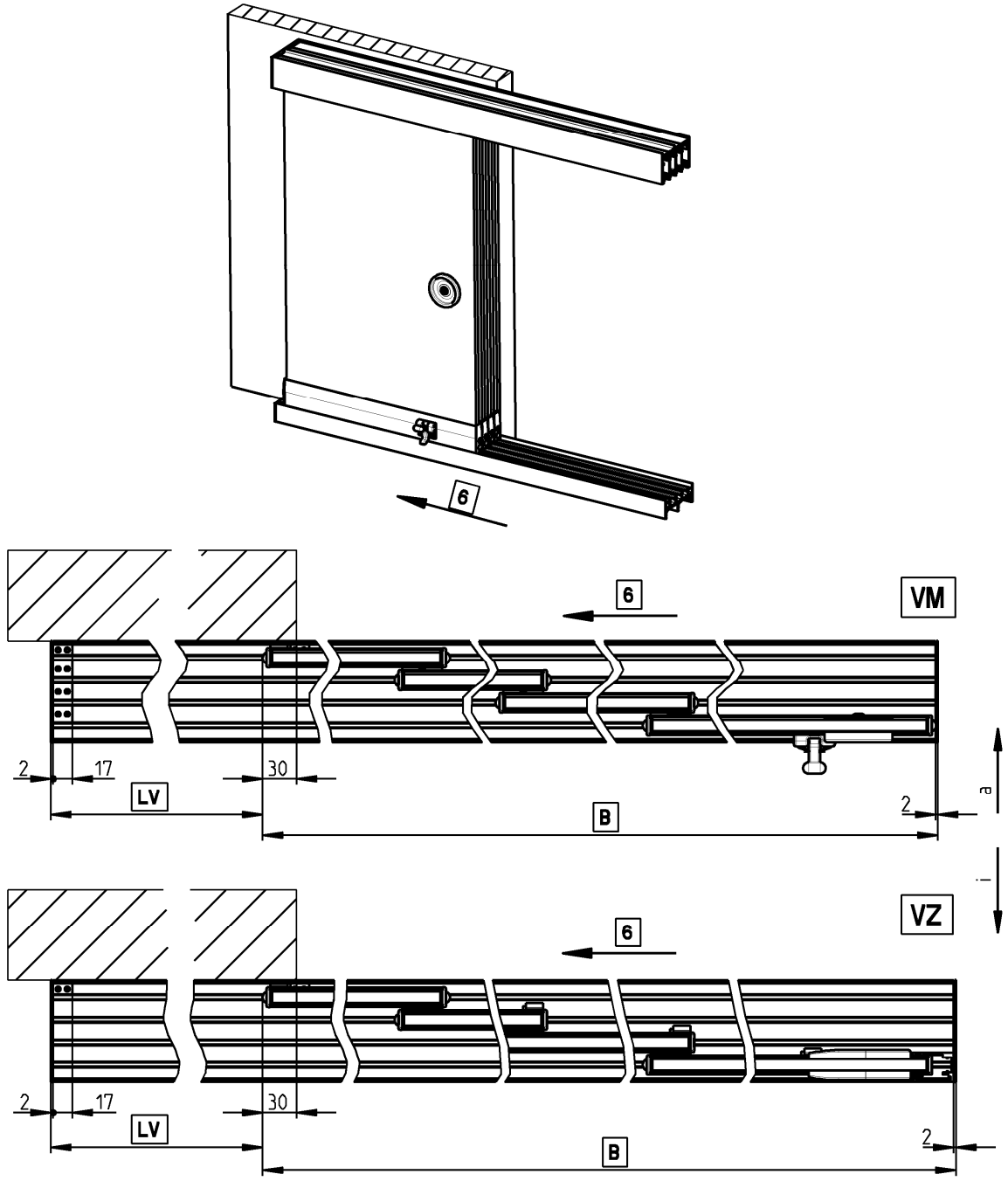


Figure 57: Extension for guide profiles

a	Exterior
i	Interior
B	Width
LV	Length of extension
VM	Extension of guide profiles with cup pull handle
VZ	Extension of guide profiles with lockcase and hung bolt
6	Direction of opening is a representative example only. Please consult the order documents for actual direction of opening on the unit to be fitted.

11 Accessories

11.1 Assembly of the brush profiles

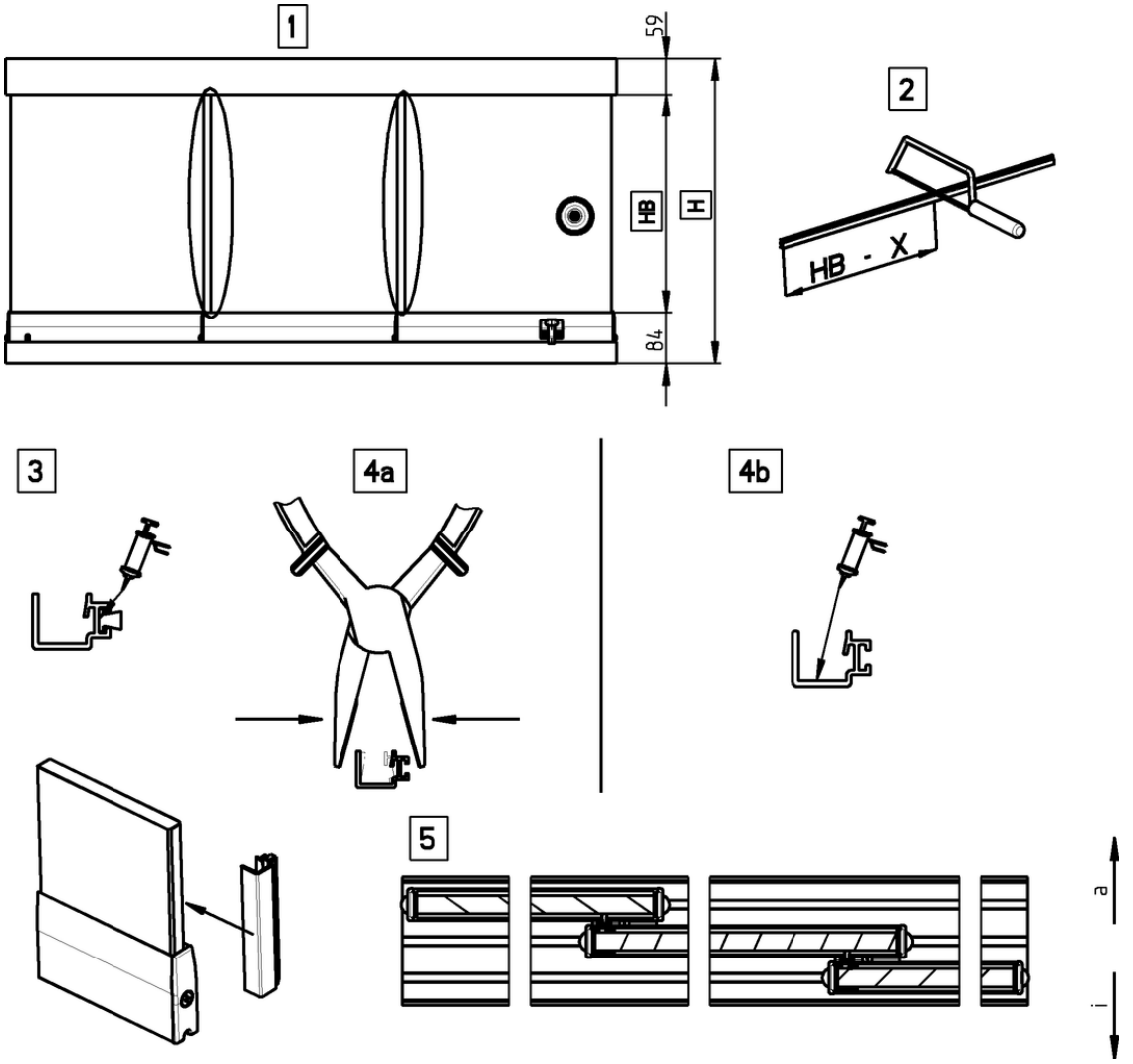


Figure 58: Assembly of the brush profiles

a	Exterior
i	Interior
H	Height of w17-c
HB	Max. height of brush profile
X	When trimming the brush profile, take into account that the top guide profile may sag. By way of preventing the brush profile from jamming between the top guide profile and the glass retainer, subtract the dimension X from HB.
1	Determine the maximum height (HB) of the brush profile
2	Saw the brush profile to the required length
3	Glue the brush inside the brush profile if necessary
4a	Using a pair of pliers, carefully squeeze the brush profile approx. every 500 mm until it holds the glass panel on its own and cannot fall out when the w17-c is in use.
4b	Permanent fitting: glue the brush profile onto the glass panel
5	Attach the brush profile to the glass panel. Always attach the profile from the inside so that the brushes face outwards.

11.2 Assembly of the cup pull handle attachment (optional)

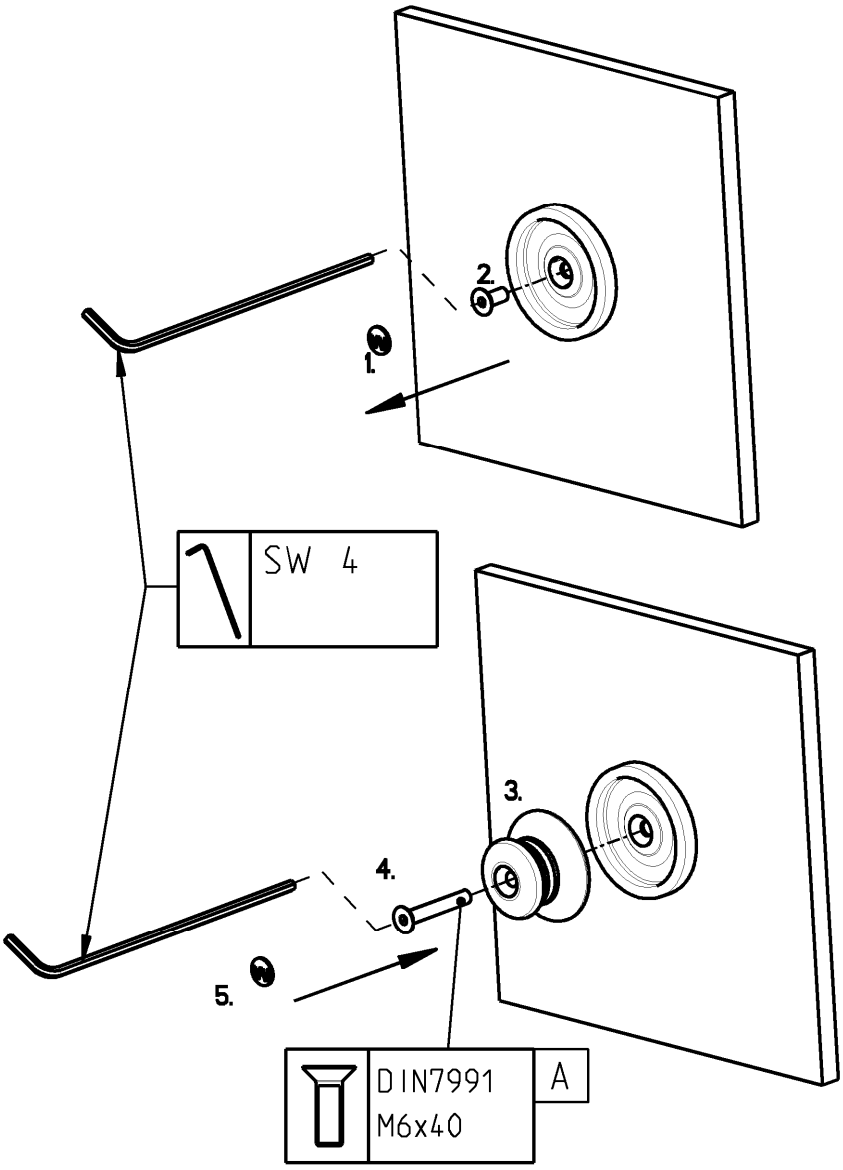


Figure 59: Assembly of the cup pull handle attachment

A	Different-sized screws are required depending on the thickness of glass used: 6 mm: DIN7991 M6x35 8 mm: DIN7991 M6x38 10 mm: DIN7991 M6x40

12 Exploded drawing of w17-c

	Item numbers only apply to untreated profiles / components!

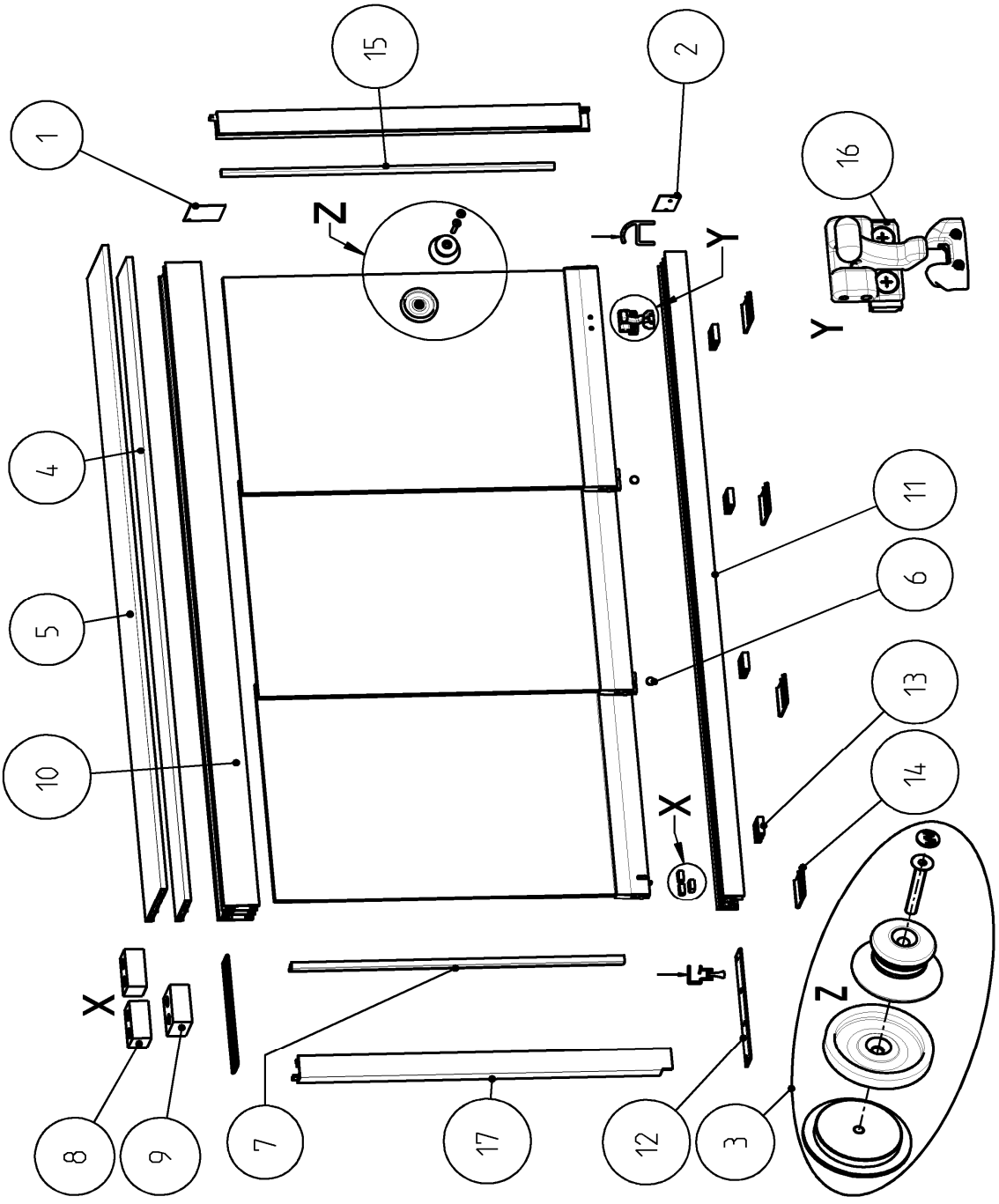


Figure60: Exploded drawing of w17-c

Item	Description	Item number (untreated)	Item number RAL	Remarks
1	Cover plate for 2-track top guide profile	113611	113612	
1.1	Cover plate for 3-track top guide profile	113613	113614	
1.2	Cover plate for 4-track top guide profile	113615	113616	
1.3	Cover plate for 5-track top guide profile	112563	112564	
2	Cover plate for 2-track bottom guide profile	113605	113606	
2.1	Cover plate for 3-track bottom guide profile	113607	113608	
2.2	Cover plate for 4-track bottom guide profile	113609	113610	
2.3	Cover plate for 5-track bottom guide profile	112561	112562	
3	Cup pull handle with attachment, complete, A2	114481	None	
3.1	Cup pull handle with attachment, complete, A4	114482	None	
4	Balcony attachment profile 100	112399	112400	
5	Balcony attachment profile 160	112397	112398	
6	Bumpon 12.7x1.8	112202	None	
7	Brush profile for rubber, 6 mm glass	None	112603	1)
7.1	Brush profile for rubber, 8 mm glass	None	112283	1)
7.2	Brush profile for rubber, 10 mm glass	None	112604	1)
8	Leaf stop	112464	None	2)
9	Leaf stop, large	112465	None	2)
10	2-track top guide profile	112386	112387	
10.1	3-track top guide profile	112384	112385	
10.2	4-track top guide profile	112382	112383	
10.3	5-track top guide profile	112380	112381	
11	2-track bottom guide profile	112394	112396	
11.1	3-track bottom guide profile	112392	112393	
11.2	4-track bottom guide profile	112390	112391	
11.3	5-track bottom guide profile	112388	112389	
12	Guide profile coupling	112462	None	3)
13	Coupling for 43x10x30 frame	112505	None	4)
14	Installation clip 50x5, 50 mm, 2-track	113468	None	4); L=50
14.1	Installation clip 70x5, 50 mm, 3-track	113469	None	4); L=50
14.2	Installation clip 90x5, 50 mm, 4-track	113470	None	4); L=50
14.3	Installation clip 110x5, 50 mm, 5-track	113471	None	4); L=50
14.4	Assembly profile 50x5 mm, w17-c, 2-track	113594	None	4); 5)
14.5	Assembly profile 70x5 mm, w17-c, 3-track	113593	None	4); 5)
14.6	Assembly profile 90x5 mm, w17-c, 4-track	113592	None	4); 5)
14.7	Assembly profile 110x5 mm, w17-c, 5-track	113300	None	4); 5)
15	Gap seal 6 mm	111472	None	1); L=2500
15.1	Gap seal 8 mm	111473	None	1); L=2500
15.2	Gap seal 10 mm	111474	None	1); L=2500
16	Locking mechanism for active leaf, complete	None	114128	2)
17	Wall attachment profile	112377	112378	

Legend:

1) – Quantity depends on number of leafs

2) – Quantity depends on version

3) – Quantity depends on number of coupling points

4) – Quantity depends on version

5) – Profile will be sawn to required length as per customer specification

12.1 Exploded drawing of coupling

	Item numbers only apply to untreated profiles / components!

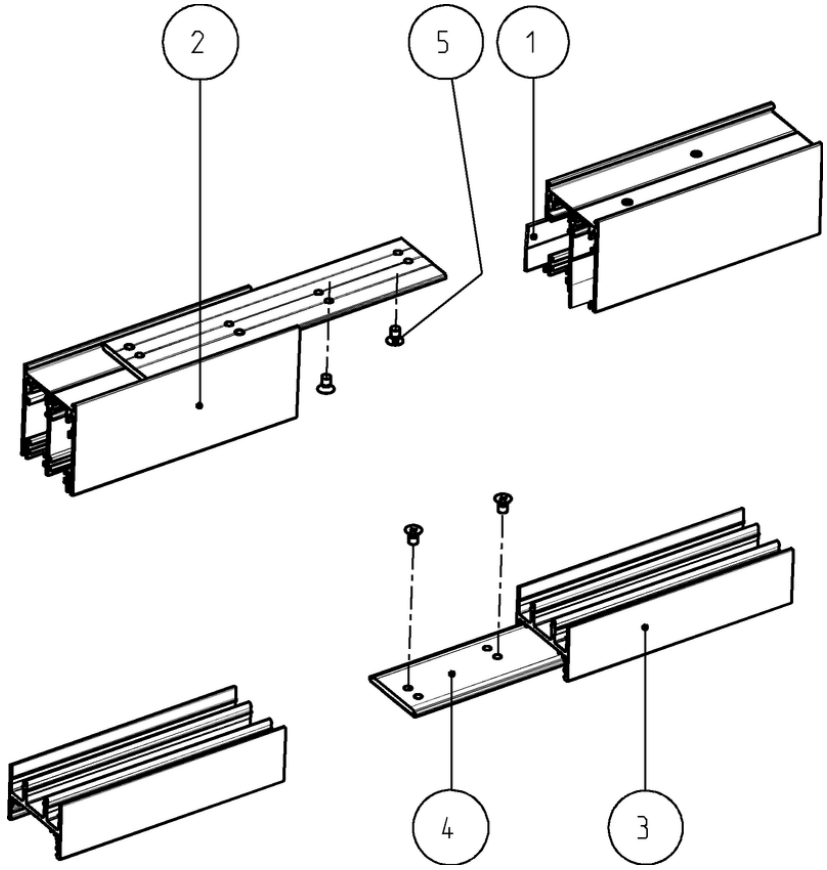


Figure 61: Exploded drawing of coupling for top and bottom guide profile

Item	Description	Item number (untreated)	Item number RAL	Remarks
1	Flat aluminium 30x30x2, bent	112548	None	
2	2-track top guide profile	112386	112387	
2.1	3-track top guide profile	112384	112385	
2.2	4-track top guide profile	112382	112383	
2.3	5-track top guide profile	112380	112381	
3	2-track bottom guide profile	112394	112396	
3.1	3-track bottom guide profile	112392	112393	
3.2	4-track bottom guide profile	112390	112391	
3.3	5-track bottom guide profile	112388	112389	
4	Coupling for guide profiles	112462	None	1)
5	Countersunk screw DIN 965-M5x8	111330	None	2)
Legend:				
1) – on 5-track guide profiles: 2				
2) – on 5-track guide profiles: 8				

12.2 Exploded drawing of corner

	Item numbers only apply to untreated profiles / components!

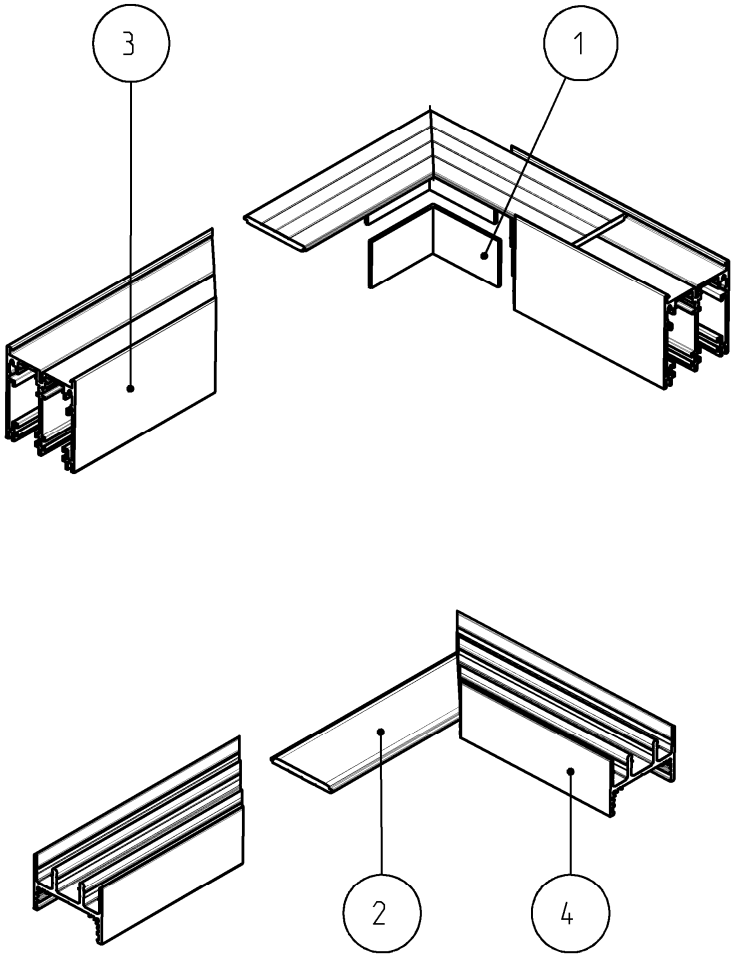


Figure 62: Exploded drawing of top and bottom guide profile with corner connectors for 90° guide profiles

Item	Description	Item number (untreated)*	Item number RAL	Remarks
1	Aluminium angle bracket 50x50x2x30	112453	None	
2	Corner connector for 90° guide profiles	112463	None	1)
3	2-track top guide profile	112386	112387	
3.1	3-track top guide profile	112384	112385	
3.2	4-track top guide profile	112382	112383	
3.3	5-track top guide profile	112380	112381	
4	2-track bottom guide profile	112394	112396	
4.1	3-track bottom guide profile	112392	112393	
4.2	4-track bottom guide profile	112390	112391	
4.3	5-track bottom guide profile	112388	112389	
Legend: 1) – on 5-track guide profiles: 2				

13 Final jobs

Cleaning the w17-c. Cleaning guidelines can be found in the Maintenance Instructions and Directions for Use of the w17-c.

13.1 Removing the protective sticker from the cup pull handle

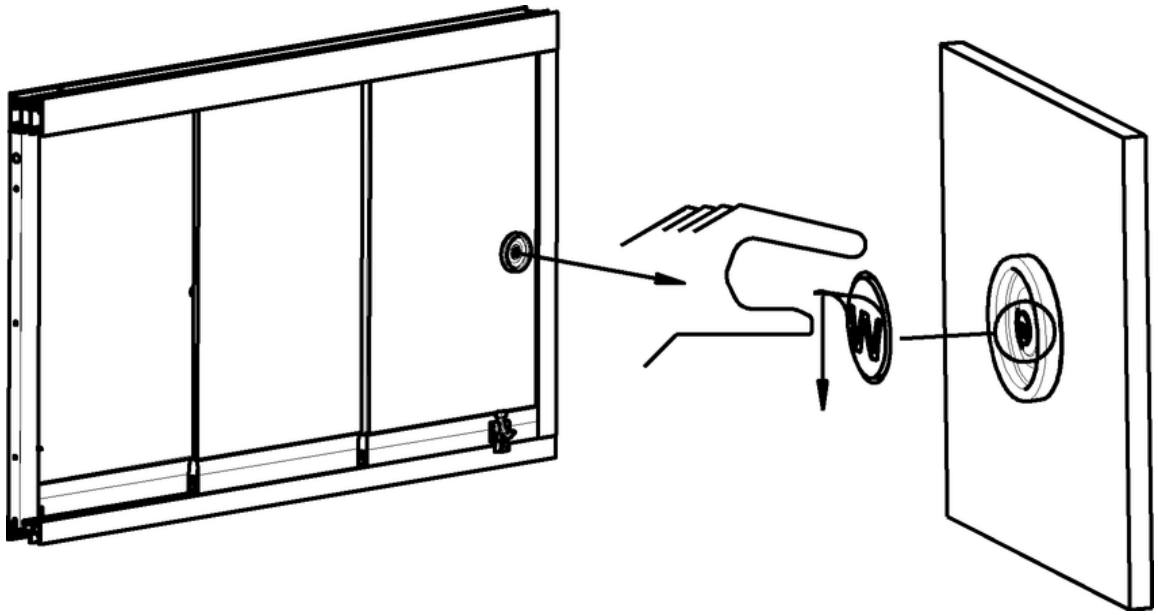


Figure 63: Removing the protective sticker from the cup pull handle

14 Troubleshooting

Type of fault	Potential cause	Remedy
Actuators come loose	- Actuators not fitted tightly enough - Glass retainer bent upwards - Dirt/foreign bodies in bottom guide profile	- Tighten the grub screws on the actuator (recommended torque: 3 - 3.5 Nm) **1)** - Remove foreign bodies/dirt
leafs difficult to move	- Glass too heavily curved - Bottom guide profile not fitted horizontally/straight - Rollers defective	- For middle and end leafs If necessary, remove glass from retainer, turn glass round and reinstall. Failing this, order new glass. - Check and, if necessary, adjust the installed bottom guide profile using e.g. installation clips and corresponding screws, see 4.1 - Order/fit new rollers **1)**
Lockcase and hung bolt won't close	- Wall connection bent or warped/wavy	- see 7.3
Lockcase and hung bolt on lockplate version won't close	- Cover caps on lockcase and hung bolt not aligned at same height to each other - Gaps between panels too big	- see 7.4 - Realign leafs (see Section 7.1-7.3) **1)**
Lock on active leaf won't engage	- Spring catch not fitted deep enough or is too deep - latch bolt on locking mechanism in wrong place	- Loosen and/or tighten using a size 1 slotted screwdriver **1)** - Slide and affix in correct position, see 4.8
Glass panels scrape against each other	- Panels curved too far towards one another vertically	- For middle and end leafs If necessary, remove glass from retainer, turn glass round and reinstall. **1)**
Glass retainers rub against each other	- Rollers in glass retainer are crooked	- Align rollers **1)**
Noises heard when sliding leafs	- Dust and/or dirt in guide profile	- Clean guide profiles

Legend:
1) For questions on assembly of the leafs, please contact our installation hotline.

15 Disposal

Although this product does not contain any materials which pose a risk or danger to the environment, the parts making up the folding door must nevertheless be disposed of properly.

16 Other weinor products

16.1 Your dream patio any time of year

No matter how you want to use your patio, weinor has the right products for you – awnings, patio roofs, Glasoase® and conservatories.
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1	Awnings
2	Patio roofs
3	Glass oases
4	Conservatories