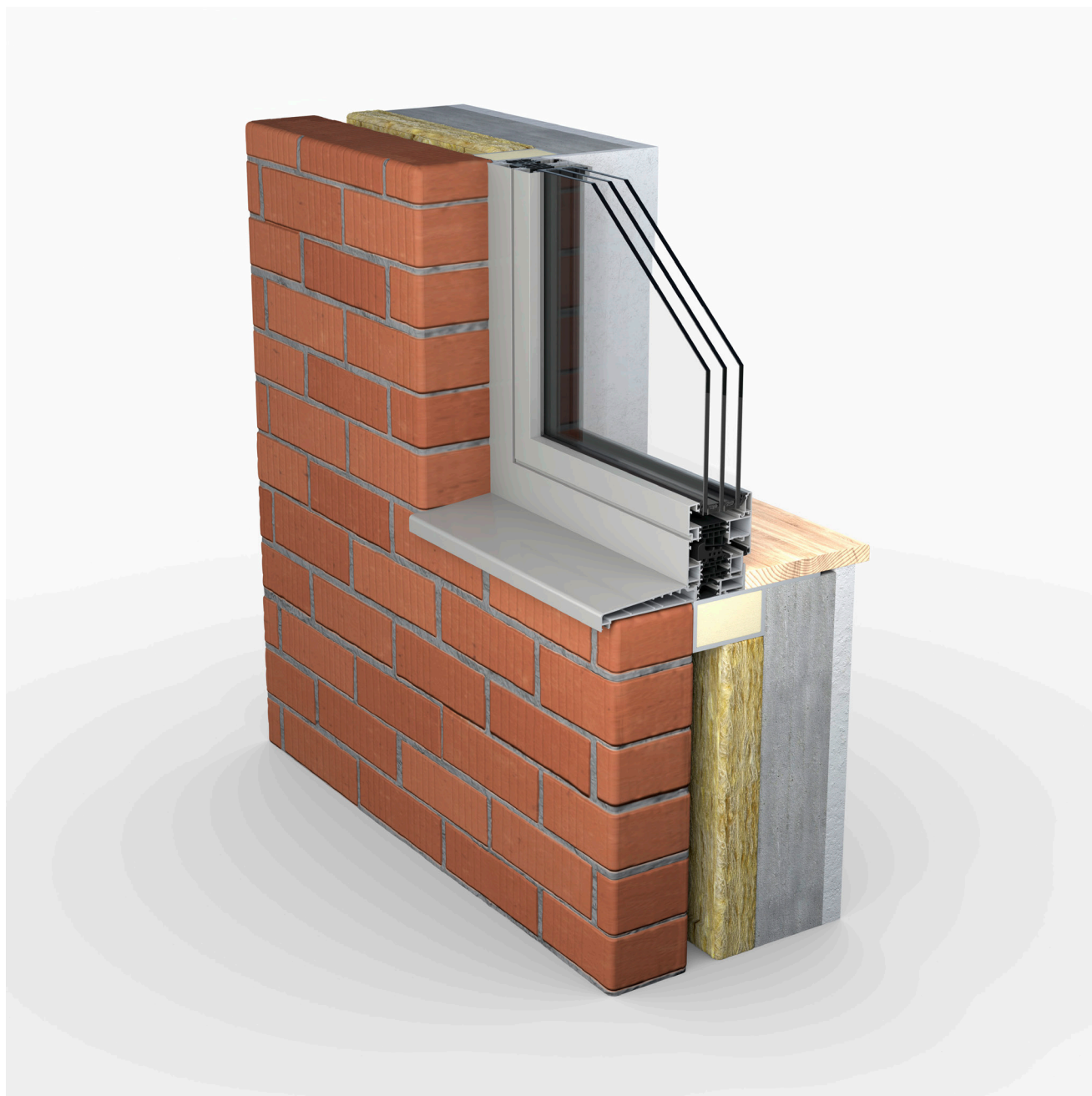


INSTALLATION

SOLEAL NEXT

INSTALLATION MANUAL



DOC-0001199286-B
12/2024



By  Hydro

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Preliminaries

A

Disclaimer

DIG-0000409 Rev. A

All information provided in this documentation is based on our technical knowledge, standards and experience known at the date issuance of the documentation. Hydro reserves the right to adapt technical documentation and modify any product (including profiles, accessory parts, hardware and constructions) as well as update related technical data to technical progress and new developments at any time and without further notice.

Measurements, dimensions, assembly drawings and suggestions mentioned in the documentation are of a purely indicative nature and do not release the user from verification by a person with appropriate technical expertise. Hydro assumes no liability for completeness and accuracy of information provided, unless error is based on Hydro's intent or gross negligence. The appropriate selection of appropriate profiles, accessories and hardware considering structural conditions, static requirements, architectural conceptions and customer wishes, remains the sole responsibility of the user. Any use in extreme climate or sea-side conditions or in applications other than described in Hydro's system manuals remain the sole responsibility of the user.

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Any use of our trade mark for advertising purposes or as product name is only admissible provided that exclusively profiles, accessories and hardware of the relevant TECHNAL® product range are used. The use of the trademark for TECHNAL® components partially or entirely in combination with third party components is not permitted. Particularly, fabricated structural components containing third-party constructions parts cannot be named as „TECHNAL® windows and doors” or similar.

The products and applications contained herein are designated for parties specialized in fabrication and installation of aluminum building systems. Specialist technical knowledge and skills as well as awareness of the latest technology is therefore assumed and will not be further elaborated or detailed. The following General Information are recommendations and for convenience purposes only. The information may not be exhaustive nor complete.

Material and performances

With some exceptions, TECHNAL® profiles are manufactured in extrusion process from **ALUMINIUM alloy EN AW-6060 T66**. The technical delivery terms and dimensional tolerances are predetermined in EN 12020-2 (2017). This alloy is the best suiting alloy for building systems – it is highly corrosion-resistant, good for anodic treatment and is of high strength.. Thermally broken profiles are produced in accordance to EN 14024-1 (2005), using, with some of exceptions, high performance fibre reinforced Polymer strips.

The basis for the tests carried out are the applicable EN standards and corresponding national versions.

1. Stocking and handling requirements

Any influence of moisture, also through hand perspiration or formation of condensation water, can cause corrosion of extruded aluminium profiles. Even anodized surfaces can be attacked by alkaline substances, e.g. cement, lime, mortar or volatile rust, steel chips or similar. Hence, it is important to store profiles in a dry and covered room and avoid higher temperature fluctuations in the warehouse. Optimum protection of extruded aluminium profiles is achieved by unpacking from the factory packed Polyethylene foil just before further machining. Strong heating through direct solar radiation of packaged profiles should be avoided. The bearing surfaces and lateral supports of storage racks must be made of non-aggressive wood or plastic. Only remove the profiles from the storage rack by lifting, never by pulling them out of the racks. Always wear dry and clean gloves whenever handling mill finished extruded profiles. Surface treated profiles are well and durably protected against corrosive attacks through weathering and normal atmospheric influences. Impact, compressive and bending stress can lead to damages of anodized and coated surfaces of profiles. Usually, such damages cannot be eliminated through after-treatment.

2. Contact with other materials

If two metals with a different electrochemical potential are in contact with each other in a humid environment, the least precious metal will corrode. Aluminium can be attacked due to assembly with other metallic materials except stainless steel of material group 1.4301 (A2) and 1.4401 (A4) corresponding to EN 10088-1. Especially, this applies to connection with copper and copper alloys. Direct metallic contact can be avoided with the help of e.g. plastic inter layers or protective coating. Corrosion protection for steel parts, junctions and reinforcements must be made according to valid local standards.

Some wood types, such as oak and nut, secrete a type of acid that can affect the metal, particularly in a humid environment or if the wood is not yet dry. Isolation is recommended in this case.

Other materials: one should be certain that materials used, which come into contact with the aluminium cannot produce chemical reactions with the aluminium and the protective layer (due to the surface treatment).

3. Production

Our Workshop Manual provides detailed information for processing and connecting profiles as well as for the assembly of hardware and accessories. The guideline is built on high quality and requires our customer to apply the principles and processes requested towards each given situation. In addition, customer must verify that the intended performance, tightness, appearance are reached. Only then we recommend moving to series production.

The manufacturer's instructions, which are included with the products in the package leaflets, must be observed.

As sharp tools such as sawing blades, drills, milling tools, etc. are pre-requisite to obtain high quality joints. Lubrication shall be applied to the raw aluminium using high quality lubricant sprayers on machining centres and sawing machines. All lubricants must be cleaned off later before joining profiles.

Important indications - Part 2

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TECHNAL® offers a comprehensive range of processing and assembly templates, assembly auxiliary means, system specific special tools, punching tools and complete punching units for most efficient and economical processing of all TECHNAL® systems. The machining should also be done with utmost care to avoid damages on surface treated aluminium profiles while all safety Instruction must be respected.

Clamping jaws and supports of work benches should be made of appropriate material such as wood or polymer that do not attract or adhere aluminium chips. Furthermore it must be cleaned regularly to ensure that profiles are not scratched. Steel hammers should not be used for processing profiles.

Most of TECHNAL® hardware are delivered greased ex-factory, however drive rod channels, turn/ tilt retainer arms, lock slide rod, locking sets and the accessible movable parts of window gears, hand levers and fanlight openers must be slightly greased while assembling.

In addition to the techniques and terms determined by the official standards (national and European), a few basic rules need to be adhered to when assembling and installing a window in order to produce a high-quality product. In the following, non-limited list, specifications are given for the construction, manufacture and placing of window-, door-, and façade-elements.

- **Sawing the profiles**

In order to achieve a good mitre, it is important to securely fix and correctly position the profile on the saw bench. The profile must always be positioned in such a way that the sides of the profile are pressed thoroughly against the saw bench and the sawing shims (if used). The profile must be fixed in such a way that it does not have the tendency to lean over or distort.

- **Punching, milling or drilling profiles**

After the profiles have been machined, the resulting raw surfaces should be deburred, degreased and treated with an appropriate product. We recommend using an approved product from our PROfessional range. In addition, attention needs to be paid during the treatment that no damage occurs to the surrounding coating. Typical examples of these processes are: Drilled, milled or punched drainage and ventilation holes, milling or punching for profile connections, drilled holes for profile fastening.

- **Tightening the mitres**

To ensure impermeable mitres, corners and T-connectors must be glued with a suitable adhesive. The cut must be cleaned and sealed with recommended products (strictly refer to workshop manual). Approved products from our Professional range must be applied.

For profile connections in factory-assembled windows/doors/aluminium constructions, the seals on the viewable sides may not be larger than 0,3 mm. The inequality of profile connections, measured in the construction surface at the mitre corners and T-connections, may not be greater than the extrusion tolerances described in EN 12020-2 (2017).

As a consequence of the unevenness (hollowness and arc height) of the profiles, it is not always possible to meet the requirements on the inequality of the profile connections; because of this the inequality may not be greater than 0,5 mm.

Also belonging to this group are the coupling profiles for the assembly of window: post profile, doorpost finishing, alteration profiles, frame cills,... These always need to be sealed off air and watertight with a neutral, elastic sealing kit. For some of the specific seals, see the relevant details in the manual.

• Connecting profiles during construction

These include glazed façades, panel walls and construction parts connecting during construction. With these, the clearance for profile connections will have to be chosen in such a way that with temperature differences the functioning will be undisturbed.

Joints between horizontal and vertical joints of glass façades may not be larger than 2 mm (unless otherwise specified), profile tolerances excluded, provided that larger joints need to be sealed off with a suitable sealing product. Strictly refer to instruction manual.

Also belonging to this group are the linked profiles needed for the completion of the whole construction: corner posts, linked frames, strengthening profiles, coupling profiles, ... These must always be sealed air and watertight in order to prevent water infiltration.

• Bonding of profiles

Bonding should only be carried out according to the instructions of the adhesive manufacturer. The currently valid technical data sheets, product/safety data sheet and pre-treatment tables must be observed. In order to ensure maximum adhesion of the adhesive and material compatibility, it is recommended to carry out preliminary tests with the adhesives on the original materials and to obtain the corresponding written approval. This is the responsibility of the metal construction company. According to the manufacturer, these adhesive products are only suitable for experienced users. Polyurethane adhesives must not come into contact with silicone or silicone-containing agents and insulating glass panes with silicone or polysulfide (Thiokol) edge compound must not be used. Disposable cleaning cloths should be used for cleaning and pre-treatment.

• Drainage

The water carries dirt, which will form deposits in the grooves. Dirt and water sticks the groove surroundings such as seals and surface treatments.

Measures to prevent rainwater penetration into the rebates:

- Mitres and connections of vertical profiles on horizontal profiles: as well as the mutual connection of glazing- and sealing gaskets, need to have an appropriate, where needed, elastic seal in order to prevent rainwater from penetrating.
- in order to prevent rainwater from being compressed into window assemblies, the air pressures in the grooves needs to be the same as the exterior air pressure, so called pressure equalization. Therefore, the grooves need to have ventilation holes and need to be finished as airtight as possible towards the inside. For more details on positioning, see further in the workshop manual.
- Use the prescribed water steps in order to guarantee good drainage.
- Adhere to the regulated distance between the drainage holes. For details on positioning, see further in the manual.
- Drainage of the groove between the fixed frame and the opening part must have a minimum of openings near the corners with a surface of minimum 50 mm² per opening. It either being a round opening with a diameter of minimum 8 mm, or a slotted opening of 5 mm by 15mm as defined in EN12488 unless otherwise defined - with sash windows, doors and curtain walls, the drainage can deviate from the above mentioned instructions. Please refer strictly to instructions in workshop manual.

• Gaskets

The pre-formed gaskets for glazing, i.e. gaskets for water and air tightness and also acoustic gaskets, are usually produced in EPDM, TPE (thermoplastic rubber) or silicones.

The joining of these gaskets can be made as follows:

- Glued with sustainable compatible adhesive.
- Vulcanised frames or corners.

- All-round continuous seals.
- Gaskets will have to be applied with an allowance in order to accommodate shrinkage: ~ 1% extra length unless otherwise specified. We offer in our program, suitable sealants for sealing junctions to structure and construction joints, ensuring adhesion and compatibility also with colour coated aluminium surfaces. The processing and security data leaflets of these sealants should be considered. The fabricator (processor) bears the responsibility for choice and procurement of sealants elsewhere.

• Glazing

- How well the element functions, depends on correctly wedging the glazing. The wedging is dependent upon the element type. Use the prescribed glass supports, which are especially custom for each specific series. Glass dimensions are calculated with the help of formulas of our material schedule examples and specifications in other planning documents. Special attention must be given to the regulations regarding air pressure equalization (drainage at the same time) of open rebate areas. All TECHNAL® systems are designed for glazing between Elastomer gasket profiles. Apart from few exceptions, these gaskets are made of EPDM. Some are siliconized or coated with Polymer (glide-polymerized) to facilitate assembly. The gasket profiles should not be stretched during installation. Strictly apply workshop manual instruction. Auxiliary tools to ensure proper installation of gaskets are available. Vulcanized gasket frames are mounted starting from the frame corners to field centre.
- The danger of tension cracks caused by contact with our EPDM gaskets while using infill plates made of acrylic glass (PMMP=Polymethyl methacrylate) and Polycarbonate (PC) cannot be ruled out. The risk of incompatibility lies beyond our control and the fabricator should clarify this with manufacturers of such infills.

• 4. Anchoring

- The fixings (window anchors, plugs, etc.) are sufficient in number to resist normal air pressure and any other possible load with a safety coefficient of 3, without a permanent distortion. They are fitted at a maximum distance of 750 mm and 200 mm from every corner or mullion/transom within the fixed frame.
- With movable window or door parts, positioning the anchors near the fulcrum, articulation or lock is recommended.

• 5. Painting or other treatment

- Slight score marks and other slight roughness such as chafe marks on visible surfaces of extruded aluminium profiles are admissible according to EN 12020-1. The extent of removal of these defects depends on the kind of subsequent surface treatment.
- Anodization and painting must be performed according to the European Standard. TECHNAL® provide high quality surface finishing and cannot be held responsible for damages and costs resulting from surface finishing it has not delivered.
- Plaster or cement in humid air or the spraying of plaster or cement has a superficial impact on the aluminium, which will show white marks after cleansing, even on anodized surfaces. Optimum protection of aluminium construction parts is achieved during the construction works by using plastering frames, in which the structural components are mounted after the completion of masonry and plastering works. For application of other protection procedures (strip lacquer or clear lacquer, self-adhesive plastic foils) the user is solely responsible regarding the absolute compatibility of used products with the anodized or colour coated aluminium structural parts. In order to obviate rights of recourse for damages caused by third party, it is recommended to have intermediate inspection of construction stages of major projects immediately after completion. The usual information signs for careful treatment of aluminium construction parts are not enough to relieve the processor from possible indemnity claims.

6. Cleaning

TECHNAL® provides appropriate cleaning agents for fabricated units which are compatible with the anodized and coated surfaces when used according to prescriptions. Particularly, we would like to point out that some products offered on the market could attack colour coated profile surfaces. Besides stress from sun radiation and rain, the outer wall units are exposed to aggressive air constituents and thus soiling is unavoidable. This impairs not only the appearance of façade, but also constitutes the risk of corrosion through constant effect of dirt accumulations. Hence, the components must be cleaned at regular intervals, the length of which being dependent on the different locations and respective environmental loads.

In the following, we confine ourselves to some essential hints:

- Remove slight soiling with water containing a neutral cleaning agent (no soapsuds!) using sponge and cloth, thereafter, rinse thoroughly with clear water.
- Stronger soiling requires slightly abrasive acting cleaning agents which, however, should not be used on glass.
- For coated surfaces, we recommend testing the agents on a concealed surface to make sure that the agents do not attack lacquer either mechanically or chemically.
- By no means use cleaning agents with pH-values below 5 and above 8 as well as abrasive or sanding agents or steel wool and wire brushes

7. Maintenance

As far as there are no malfunctions or damages caused by improper use, the maintenance in private houses, can be restricted to slightly oiling or greasing accessible gliding hardware parts at larger intervals.

On larger projects and public buildings, maintenance should be carried out by professionals, especially when they relate to further preservation measures. In this case, the fabricator can assure the quality of his work over a long period of time and the satisfaction of his client by concluding a maintenance contract with the building owner. Generally a maintenance contract between the fabricator and the owner/investor/operating society is recommended to ensure a safe and long lasting well performing openings.

SECTION SYMBOLS BASED ON EN 12519

	Description
	Side hung window 2 vents open out
	Hinged door, single leaf open in
	Hinged door, single leaf open out
	Double track, 2 sliding doors

SYMBOLS

	Description		Description
	Attention		Key
	Hand operated		Drill
65	65 mm module		Press on
75	75 mm module		Milling
	Inside installation		Drilling
	Variable connection		Sawing guidelines
	Seal with Silicone X5070018		Multi-functional tool
	Apply Protector X5070020 with roller X5060127		Drill template
	Sealing/glueing, see specifications		
	Screwdriver		
	Losen screw		
	Tighten lock		

ABBREVIATIONS

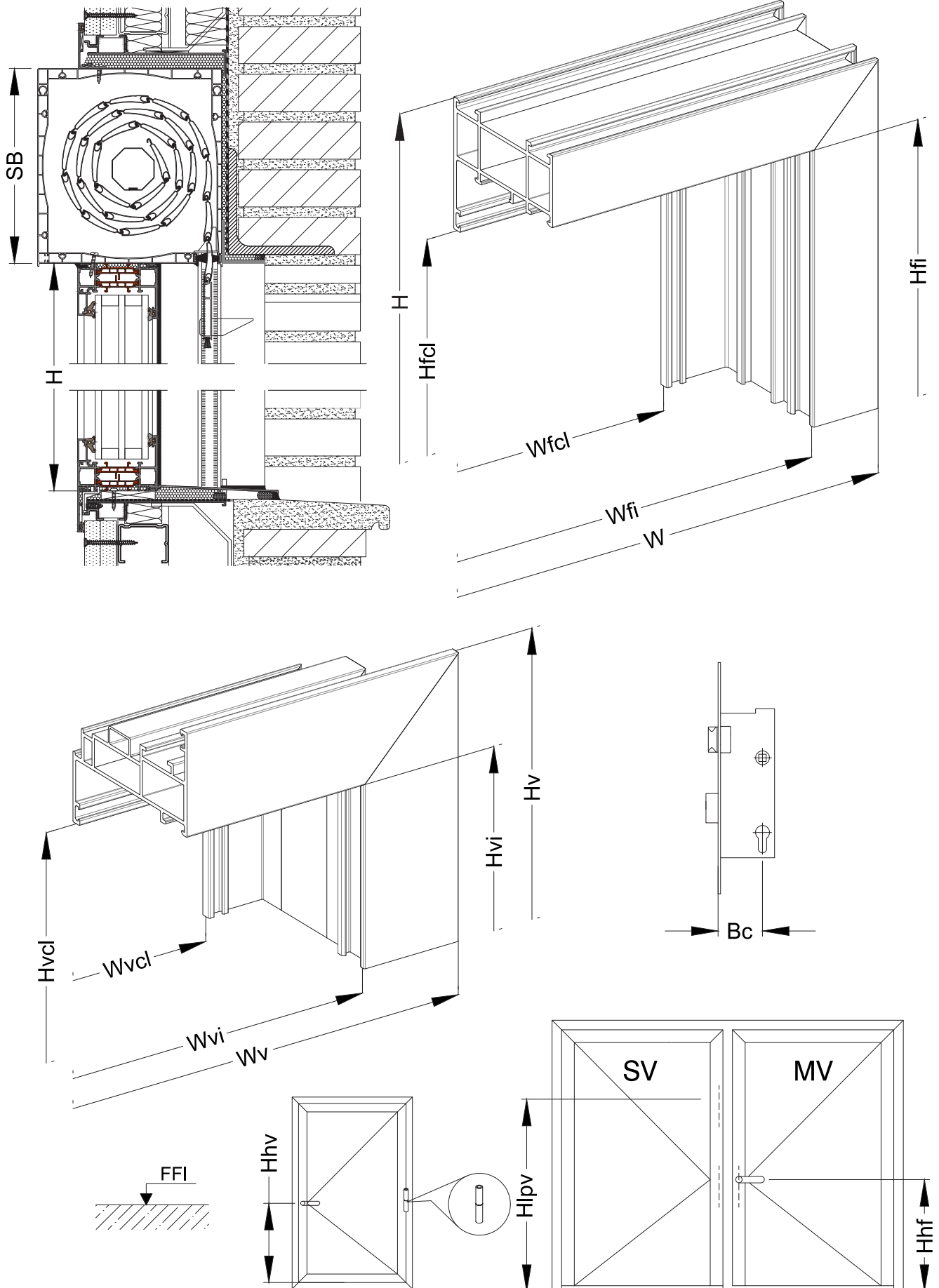
B	Bottom
Bc	Backset dimension
BD	Casement Door
CFA	Cill, Flashing, Architrave
DA	Disabled Access
Ffl	Finished Floor level
Gd	Insulated glass thickness (double)
Gs	Single glazing
Gt	Insulated glass thickness (triple)
H	Height (H1, H2)
Hfcl	Frame height clearance dimension
Hfi	Frame inner height
Hhf	Handle height / finished floor
Hhv	Handle height (from bottom of the vent / sash / leaf)
HJ	Height Juliet Guarding
Hk	Height of toggle lever
Hlpv	Passive vent lock height
Ht	Transom height (Ht1 / Ht2)
Hv	Vent / Sash / Leaf height (Hv1, Hv2,...)
Hvcl	Vent / sash / leaf height clearance dimension
Hvi	Vent / sash / leaf inner height dimension
IDC	Integrated Door Closer
Igg	Internal glazing gasket
L	Left
Lm	Linear meter
LWP	Left When Pushing
Mf	Middle Fixed part
Mv	Middle vent / sash / leaf part
MV	Main vent / sash / leaf

NTB	No Thermal Break
OI	Turn Open in
OO	Side Hung Open out
R	Right
RWP	Right When Pushing
SALP	Single action left push
SARP	Simple action right push
SB	Shutter box
SSP	Slave Sash Percussion
SV	Slave vent / sash / leaf
T	Top
T&T	Turn & Tilt
TB	Thermal break
TBT	Tilt Before Turn
Ti	Infill thickness
V	Vent / sash / leaf
W	Width (W1, W2)
Wb	Glazing bead width
Wcl	Width clearance dimension (without hardware)
Wfcl	Frame width clearance dimension
Wfi	Frame inner width
Whcl	Vent / sash / leaf width clearance dimension (with hardware)
WJ	Width Juliet Guarding
Wv	Vent / Sash / Leaf width (Wv1)
Wvcl	Vent / sash / leaf width clearance dimension
Wvi	Vent / sash / leaf inner width dimension
x, y, z	General dimension

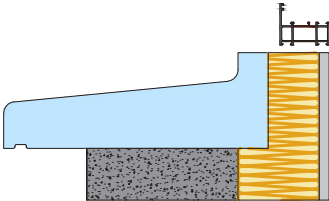
ABBREVIATIONS

Abbreviations Windows and Doors

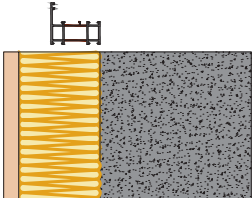
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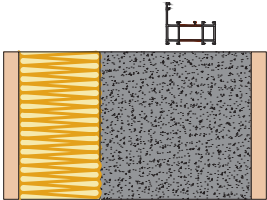
Internal positioning



External positioning



Central positioning



General recommendations

B

General information

DIG-0005144 Rev. A

HBS PRODUCTS are aimed exclusively at Aluminium fenestration Professionals.

The CUSTOMER undertakes to order only PRODUCTS for the implementation of which it holds, or undertakes to acquire, the skills, qualifications and/or authorisations required by technical and/or regulatory requirements. The CLIENT should usefully refer to the applicable regulations and laws as well as to the specific directives included in the technical documentation.

HBS PRODUCTS are designed exclusively for building and construction professionals, in the form of systems.

These systems are designed and tested as a coherent whole, with each component forming an integral part of the whole.

The measurements, machining, assembly and mounting sketches and suggestions reproduced in HBS catalogues or supplied with quotations, as well as the proposals from the costing software developed by HBS (the purpose of which is to optimise the use of the profiles), are purely indicative.

These elements do not constitute an element of execution, they need to be checked and validated by an internal or external design office, and they cannot therefore engage the responsibility of HBS.

The guarantees given by HBS do not cover damage caused by:

- natural wear and tear,
- failure to comply with our recommendations or with the rules of the trade, laws and regulations applicable to the implementation and/or installation of the PRODUCTS,
- the use and/or installation of PRODUCTS in conditions or for purposes that are inappropriate about their characteristics,
- lack of maintenance or poor maintenance of the PRODUCTS,
- the use with PRODUCTS of hardware, gaskets or other accessories not supplied by HBS.

HBS reserves the right to make, without notice, any changes to its offer or to the PRODUCTS that it deems necessary to improve their technical or aesthetic quality or their packaging.

This manual does not create any separate obligations or rights, or additional guarantees. Rights, obligations, warranties and liabilities are governed exclusively by the terms of the supply agreement between HBS and the CLIENT. In the absence of such a specific supply agreement, the general supply conditions of HBS apply.

Transport and storage

1 - Transport:

The frames must be protected from impact during transport by suitable means that prevent it from being damaged and that prevent any impact due to transport. They must be properly secured and positioned vertically to prevent damage. If vents and frames are handled separately, it is necessary to mark each element (sash A / frame A; sash B / frame B; etc.) to avoid any inversion during installation.

2 - Handling:

It is recommended to respect the weight limits per operator defined by local legislation and to use any specific mechanical handling equipment if necessary. When handling, avoid placing the frames on corners. Care must be taken when moving the frames to avoid damaging them.

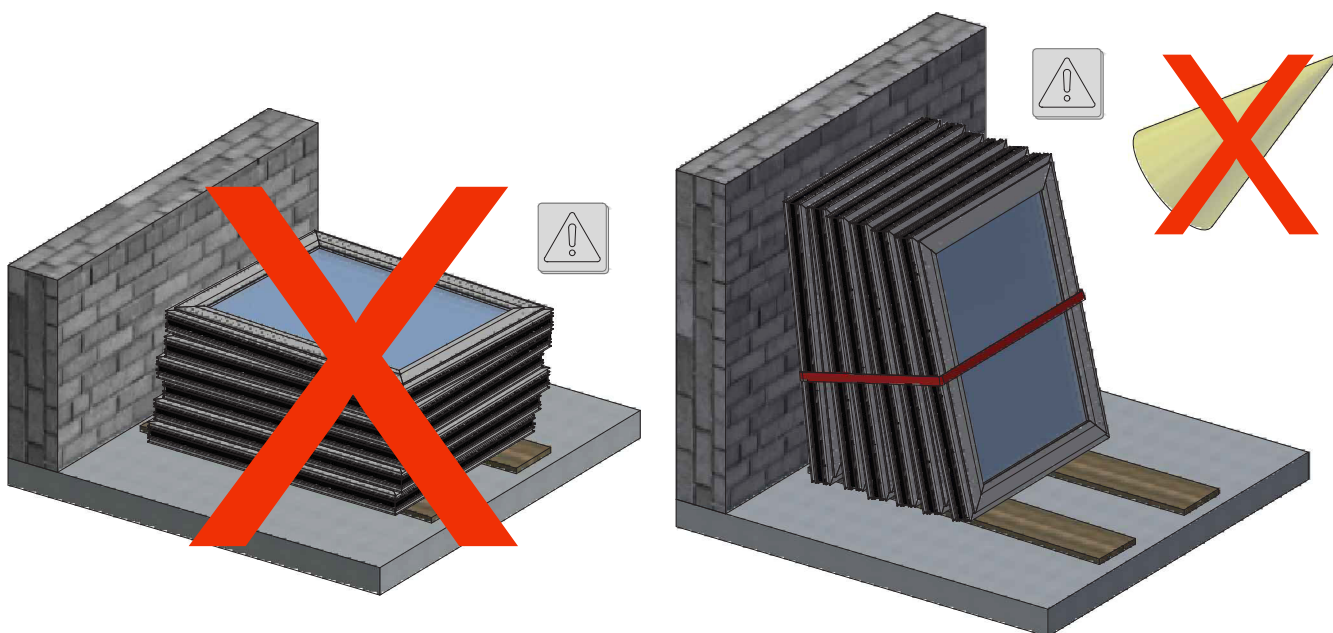
3 - Storage: (See example below)

The windows and doors must be stored in ventilated rooms, protected from the elements and the sun's rays. Outside, the windows and doors must be protected from the elements, such as various projections and the sun's rays, while being ventilated. Do not store joinery flat, but on edge, ensuring that it is stable enough to prevent it from falling. They must be secured by a mechanical device such as straps, to prevent accidental dropping, which could damage them.

4 - Protection after installation:

After the joinery has been installed, during the worksite and before acceptance, take all the necessary protective measures to prevent any damage that could affect the correct operation of the window or its appearance (protection of handles, hardware, sill, etc.).

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Regulation and safety

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The installer must ensure that all local standards and regulations applicable to the installation site are complied with, particularly about the installation of frames.

The choice of fenestration must consider the environment and the expected performance, in particular: the height and topography of the frames, but also acoustic, mechanical and thermal performance.

The fenestration must be installed in such a way as to allow it to be serviced and maintained. The fenestration must only be installed using recommended sealing products that are compatible with the installation environment and the place of installation.

Substrates must be checked and prepared in accordance with the recommendations applicable to each sealing product used (e.g. cleaning, degreasing surfaces, priming, etc.).

The installer must ensure :

- 1- The compliance of the fenestration with the environment, its performance and its intended function.
- 2- Inspection and acceptance of the installation supports.
- 3- The destination of the fenestration on site (location).
- 4- Installation of the fenestration system, including: packing, adjustment of the fenestration, fixing and all necessary caulking of the fenestration that is compatible with the installation surface.
- 5- Final verification of correct operation.

Fasteners must be sized to take:

- 1- The dead weight of the window and, in the case of doors and window-doors (hinged and sliding), the dead weight plus a defined point load of at least 100 kg, subject to more stringent local regulations.
- 2- The transfer of climatic loads to the fenestration (for example: pressure and depression due to wind)
- 3 - Expansion forces between the substrate and the fenestration.

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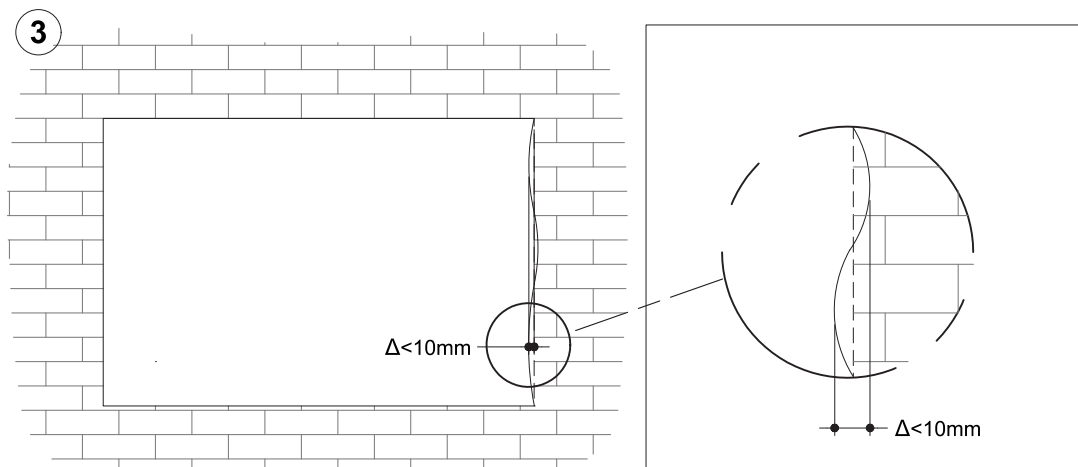
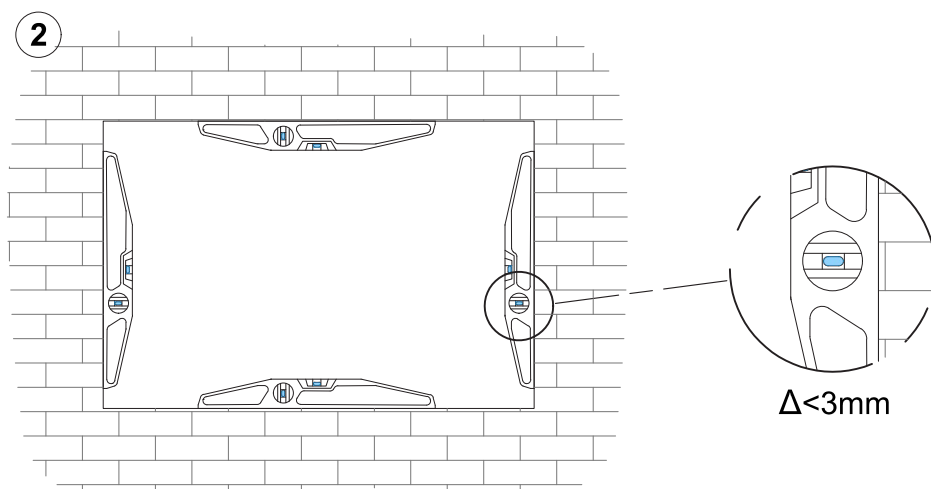
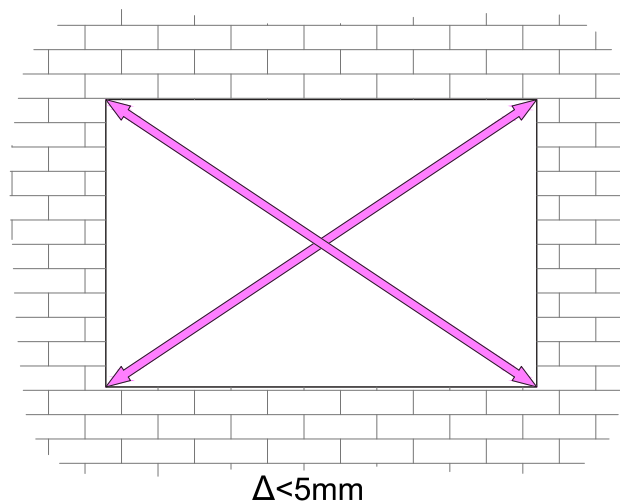
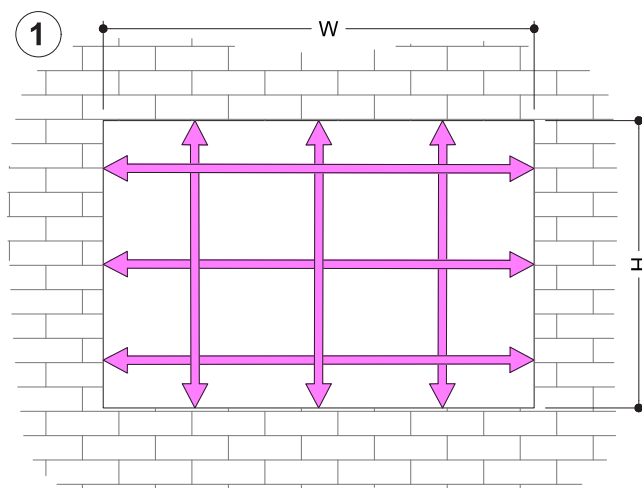
Support check

1. Check the height and width of the substrate.

• $\Delta W < 3\text{mm} / \text{m}$ and $\Delta W < 10\text{mm}$; $\Delta H < 3\text{mm} / \text{m}$ and $\Delta H < 10\text{mm}$

2. Check that the substrate is level and plumb.

3. Surface condition of substrate.



Wedge and fixation

These instructions do not replace the standards and reference documents of each country but should be seen as summary of the applicable basic principles.

(1) The fixation should not create a thermal bridge by direct metal-to-metal contact (for example).

The fixation shouldn't pierce any area or drainage chamber that collects water or seepage water (lower part).

Fixing through the profile at the bottom is prohibited in some countries.

The minimum slope for a support or cill is 3% (unless local regulations are more restrictive) to the outside to ensure a good drainage.

(2) Shims must be positioned as close as possible to the closing points, in line with the rotation and translation components (see details).

- Fixing and wedging should be placed as close as possible to the intermediate stiles or frame rails.

- The wedges must be made over the entire depth of the frame.

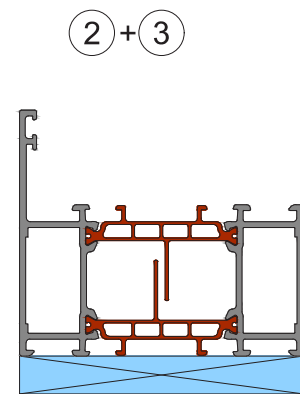
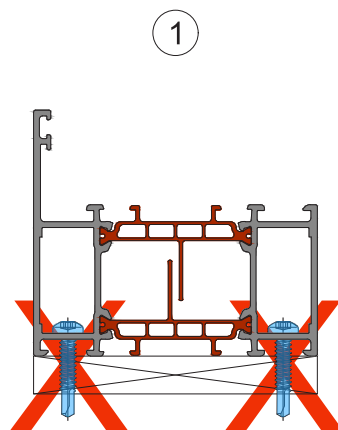
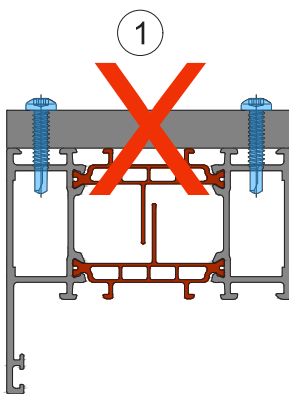
(3) Bottom area :

- The shimming must support all aluminium shells.

- Shims must be positioned at a maximum inter-distance of 750mm (or less based on local regulations) and 300mm apart at the bottom of sliding windows.

The cill must be straight and level. The support must allow the product to operate, adjust, maintain and service properly.

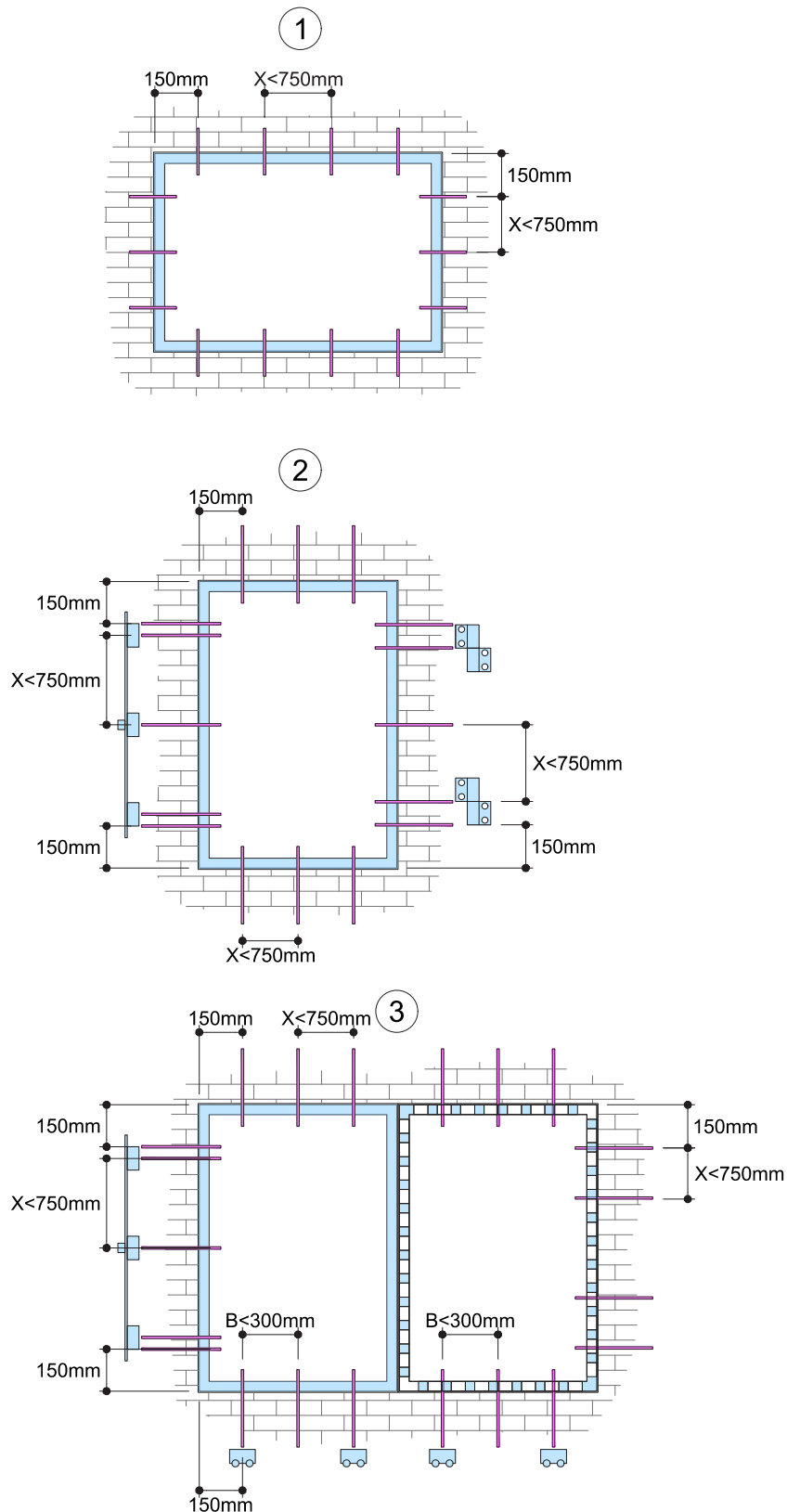
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Wedge and fixation

- 1- Maximum centre distance
- 2- Positioning in line with the rotating parts
- 3- Positioning in line with rollers devices

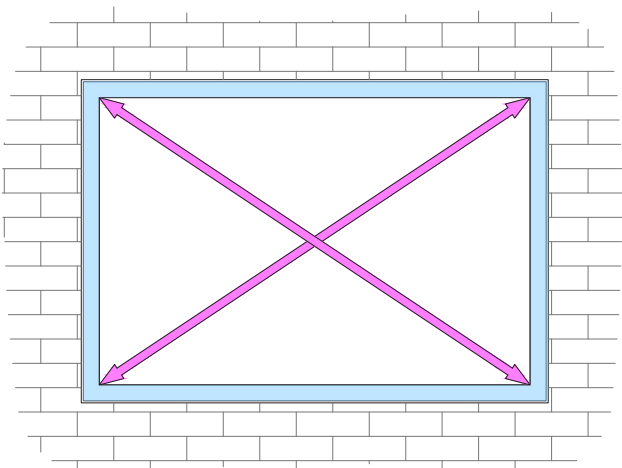
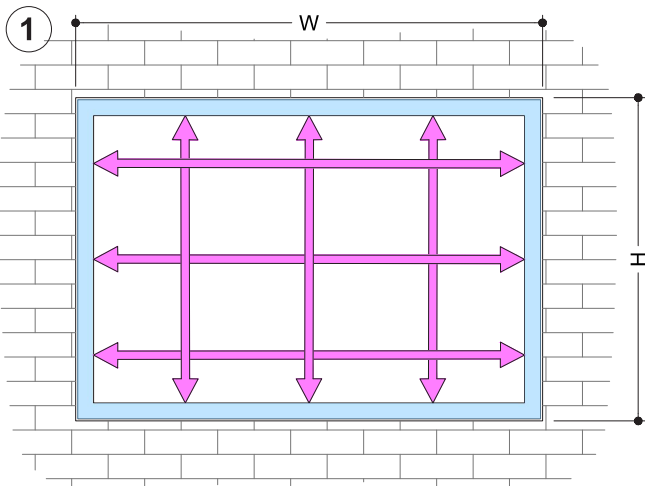
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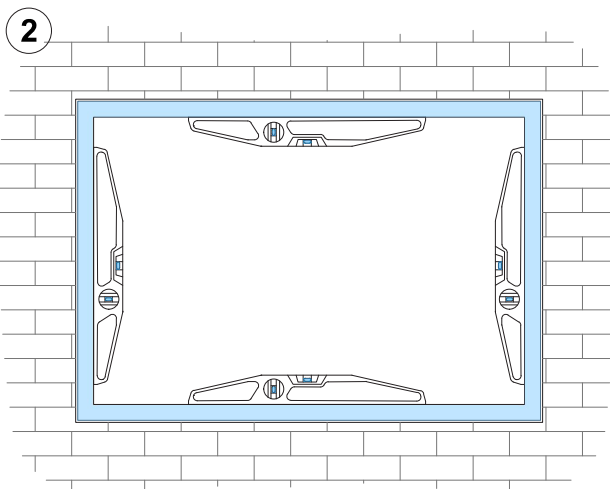
Checking the frame installation

1. Check the height and width of the installed frame.
 - If $W < 1.3\text{m}$: $\Delta W < 1\text{mm}$; If $W \geq 1.3\text{m}$: $\Delta W < 2\text{mm}$
 - If $H < 1.3\text{m}$: $\Delta H < 1\text{mm}$; If $H \geq 1.3\text{m}$: $\Delta H < 2\text{mm}$
2. Check that the frame is level and plumb.
3. Frame straightness

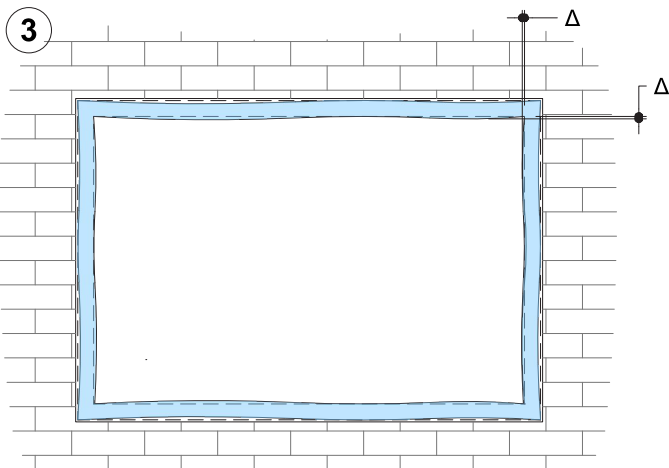
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$\Delta < 2\text{mm}$



$\Delta < 2\text{mm}$



$\Delta W < 1\text{mm} ; \Delta H < 1\text{mm}$

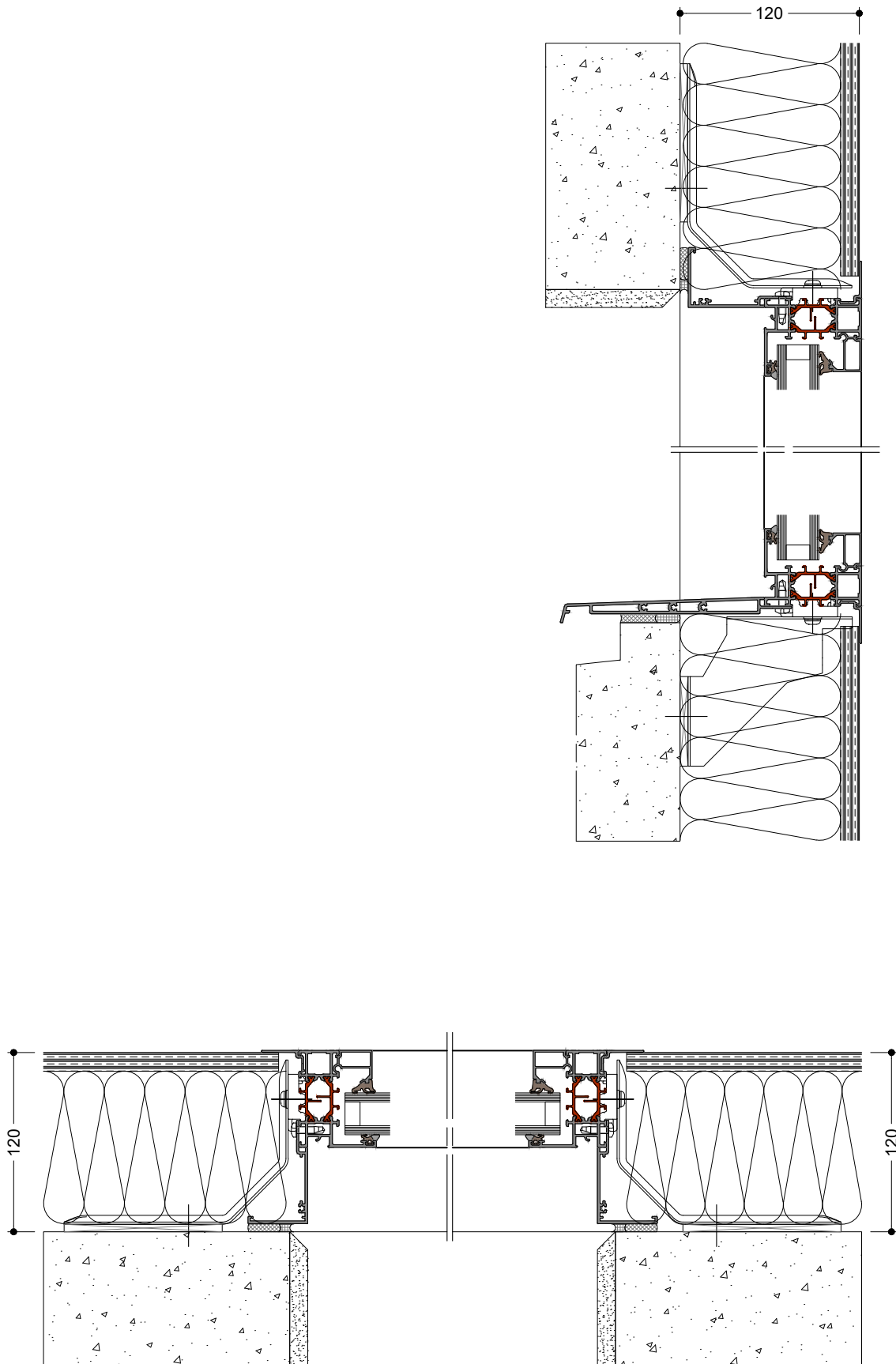
Internal positioning

C

FLUSH WITH INSIDE WALL FINISHING

Universal frame - Principle section

DIG-0004172 Rev. A



FLUSH WITH INSIDE WALL FINISHING

Universal frame - Conception 65mm



If assembly of flashing / support piece requested with not aligned track screw channel, do the machining of flashing without using the tool.

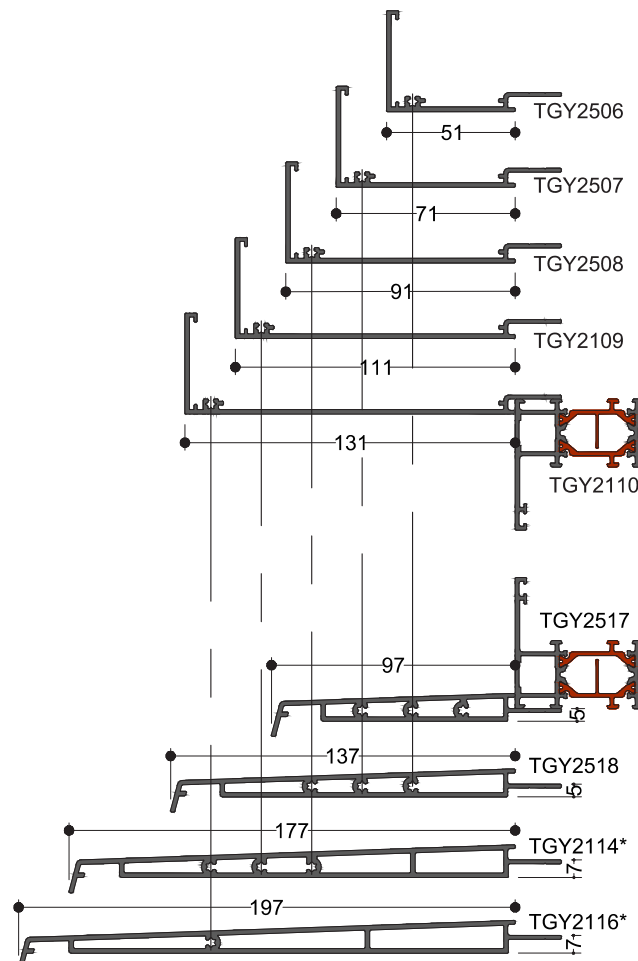
*Increase by 2 mm clearance between take up of distance and frame height, and add 2 mm to cutting of vertical flashings.

DIG-0004195 Rev. A

120	TGY2506	T780033	H+35 L-12
140	TGY2507	T780033	H+35 L-12
160	TGY2508	TGY3630	H+35 L-12
180	TGY2109	TGY3630	H+35 L-12
200	TGY2110	TGY3630	H+35 L-12

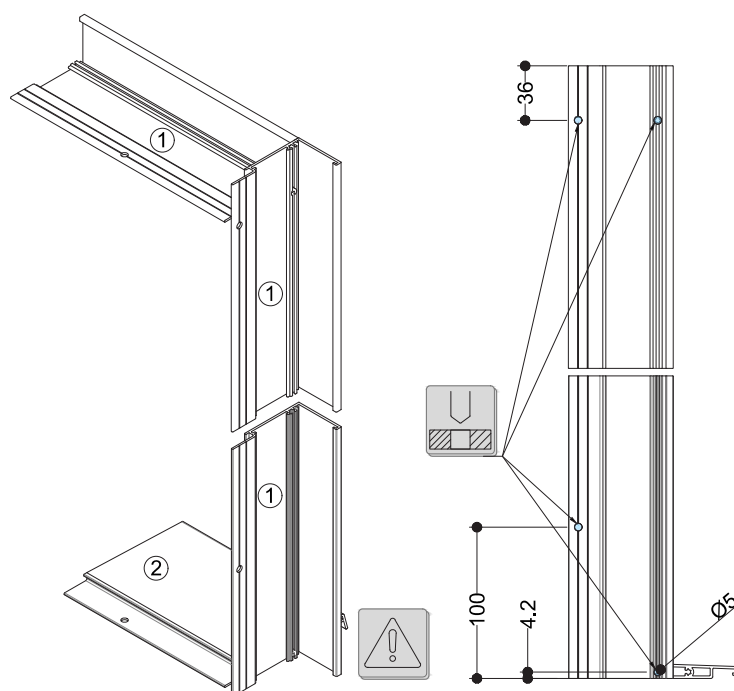
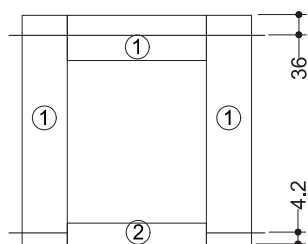
120	TGY2518	TCZ32121	L-18
140	TGY2518	TCZ32121	L-18
160	TGY2114	TCZ32123	L-18
180	TGY2114	TCZ32123	L-18
200	TGY2116	TCZ32124	L-18

120	TGY2517	TCZ32120	L-18
140	TGY2517	TCZ32120	L-18
160	TGY2518	TCZ32121	L-18
180	TGY2518	TCZ32121	L-18
200	TGY2114	TCZ32123	L-18



65

TWU0008



FLUSH WITH INSIDE WALL FINISHING

Universal frame - Conception 75 mm



If assembly of flashing / support piece requested with not aligned track screw channel, do the machining of flashing without using the tool.

*Increase by 2 mm clearance between take up of distance and frame height, and add 2 mm to cutting of vertical flashings.

DIG-0004198 Rev. A

			
120	T700077	T780033	H+35 L-12
140	T700078	T780033	H+35 L-12
160	T700079	TGY3630	H+35 L-12
180	T700080	TGY3630	H+35 L-12
200	TGY2111	TGY3630	H+35 L-12

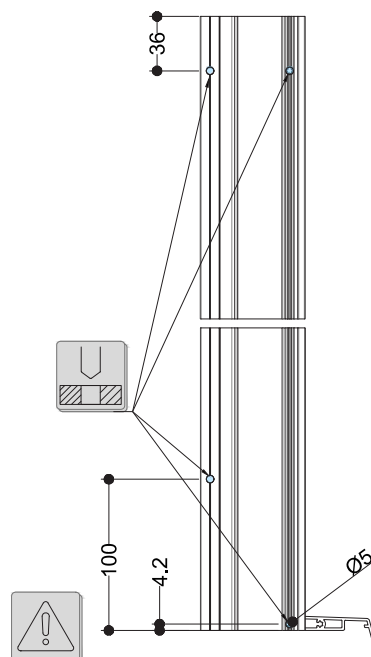
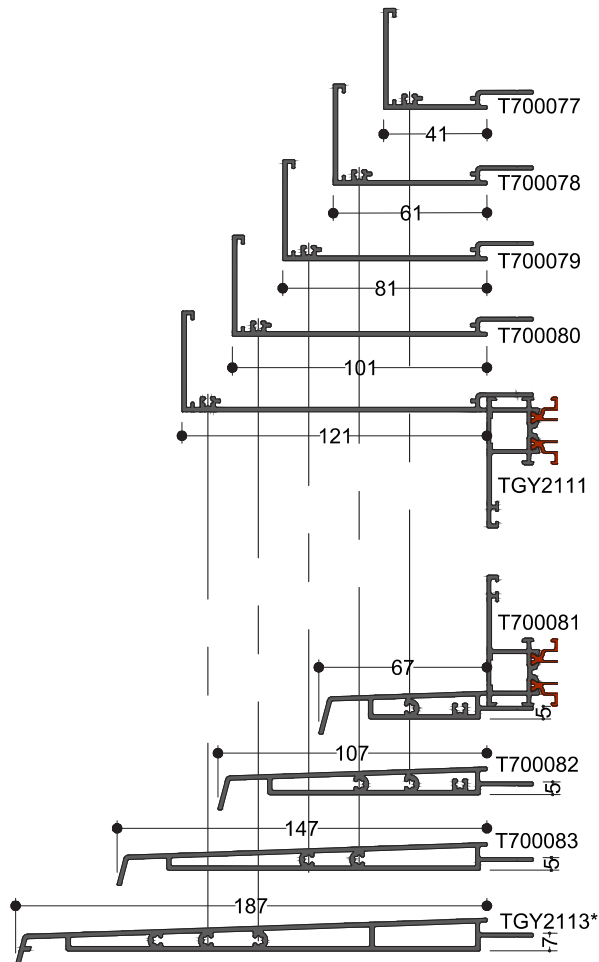
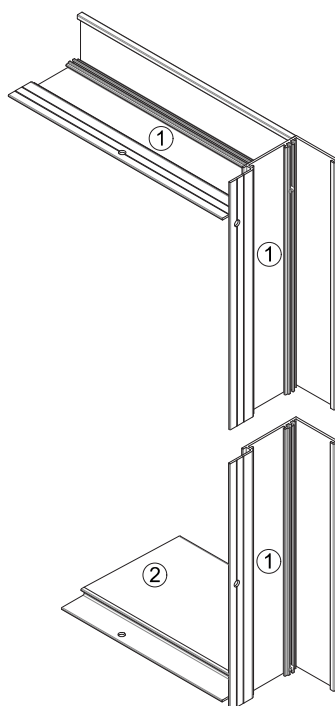
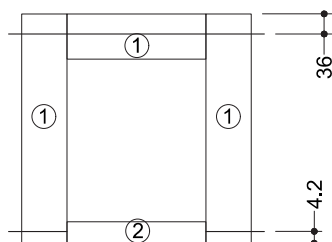
			
120	T700082	TCZ32118	L-18
140	T700083	TCZ32119	L-18
160	T700083	TCZ32119	L-18
180	TGY2113	TCZ32122	L-18
200	TGY2113	TCZ32122	L-18

			
120	T700081	TCZ32117	L-18
140	T700082	TCZ32118	L-18
160	T700082	TCZ32118	L-18
180	T700083	TCZ32119	L-18
200	T700083	TCZ32119	L-18



TWU0008

75

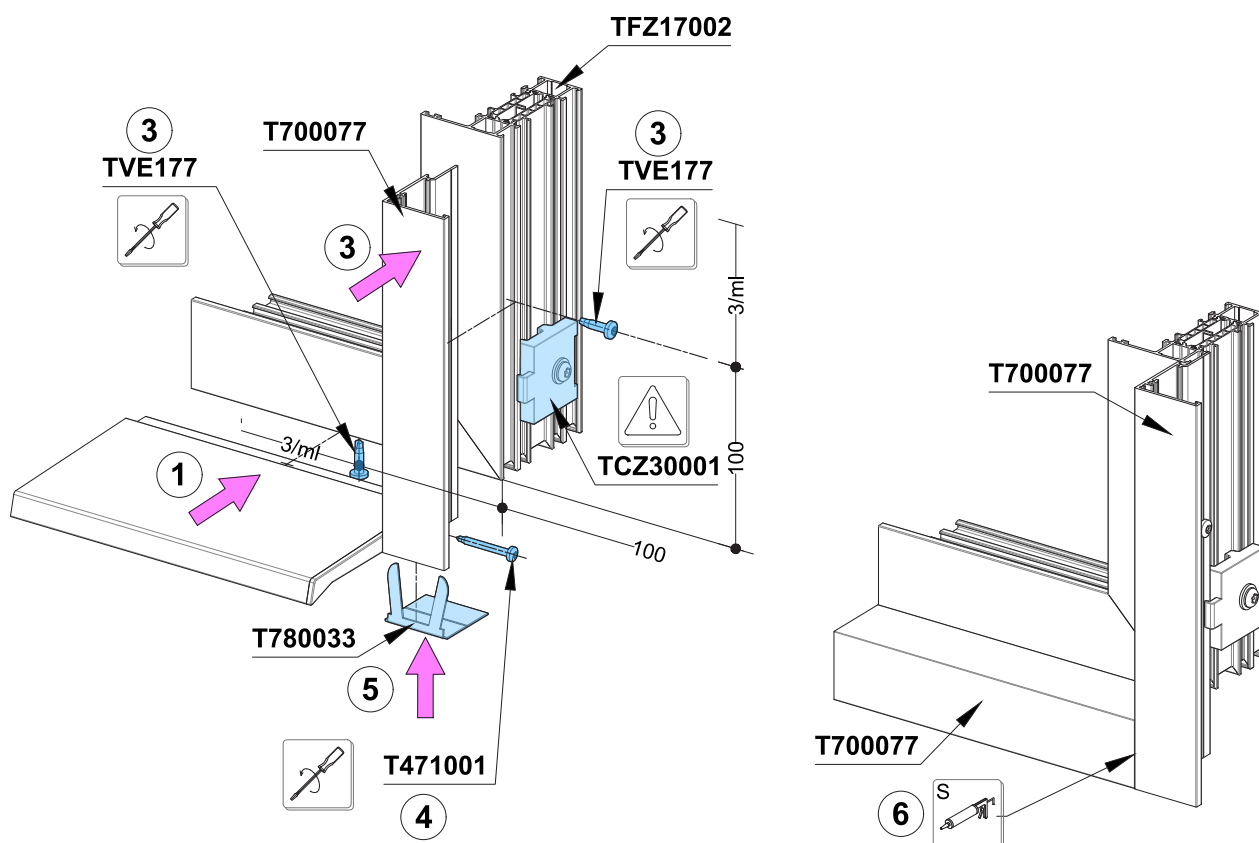


TECHNAL®

INTERNAL POSITIONING C



- DIG-0004729 Rev. A

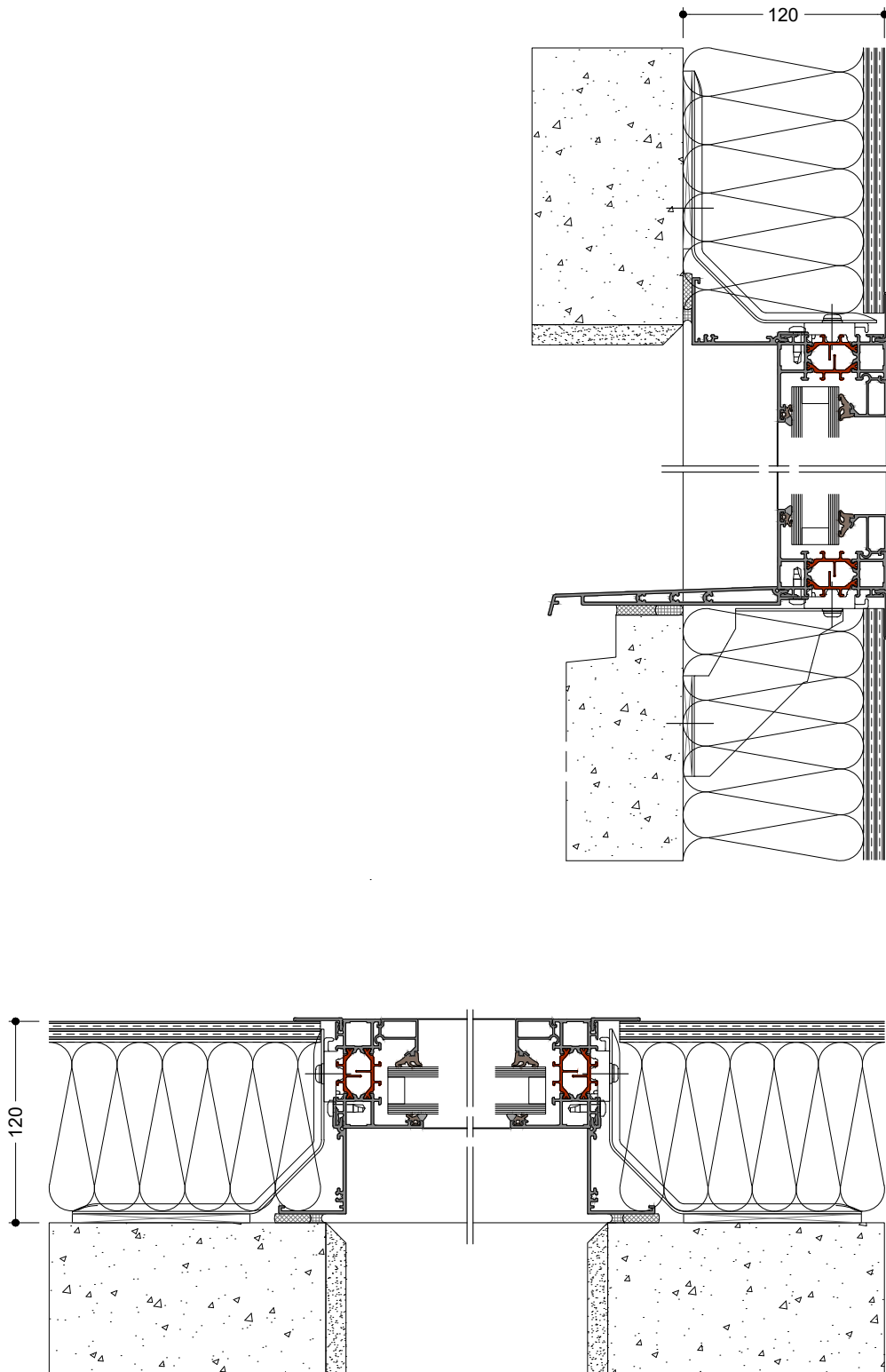


65 75

FLUSH WITH INSIDE WALL FINISHING

Pressing groove frame - Principle section

DIG-0004149 Rev. A



FLUSH WITH INSIDE WALL FINISHING

Pressing groove frame - Conception 65 mm



If assembly of flashing / support piece requested with not aligned track screw channel, do the machining of flashing without using the tool.

*Increase by 2 mm clearance between take up of distance and frame height, and add 2 mm to cutting of vertical flashings.

DIG-0004199 Rev. A

			
120	TGY2130	T780033	H+35 L-12
140	TGY2131	T780033	H+35 L-12
160	TGY2132	TGY3630	H+35 L-12
180	TGY2133	TGY3630	H+35 L-12
200	TGY2134	TGY3630	H+35 L-12

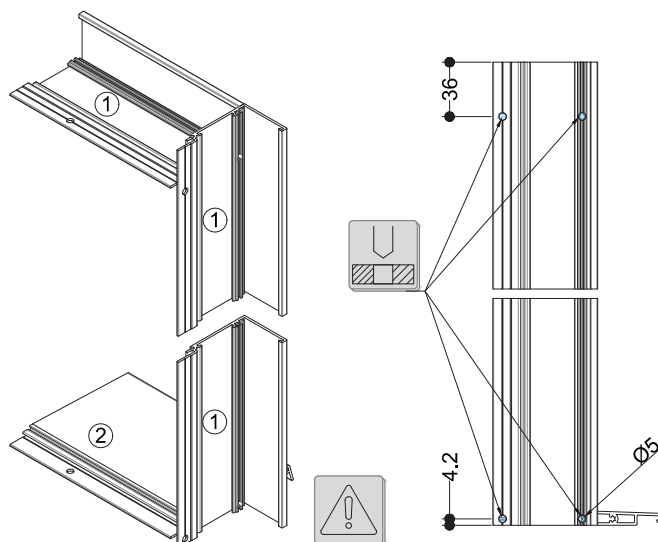
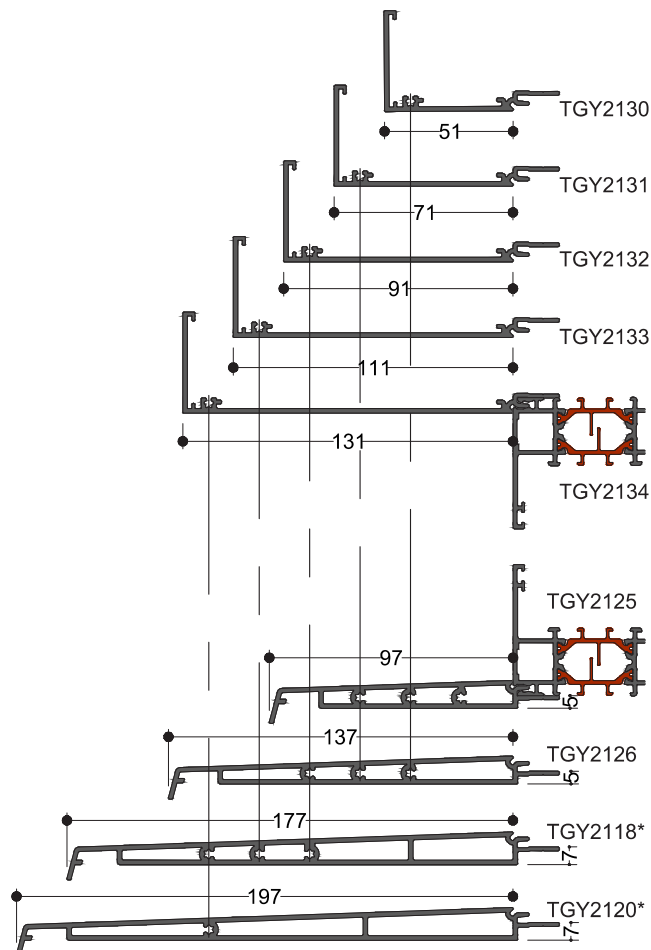
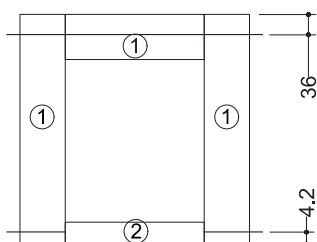
			
120	TGY2126	TCZ32121	L-18
140	TGY2126	TCZ32121	L-18
160	TGY2118	TCZ32123	L-18
180	TGY2118	TCZ32123	L-18
200	TGY2120	TCZ32124	L-18

			
120	TGY2125	TCZ32120	L-18
140	TGY2125	TCZ32120	L-18
160	TGY2126	TCZ32121	L-18
180	TGY2126	TCZ32121	L-18
200	TGY2118	TCZ32123	L-18



TWU0008

65



FLUSH WITH INSIDE WALL FINISHING

Pressing groove frame - Conception 75mm



If assembly of flashing / support piece requested with not aligned track screw channel, do the machining of flashing without using the tool.

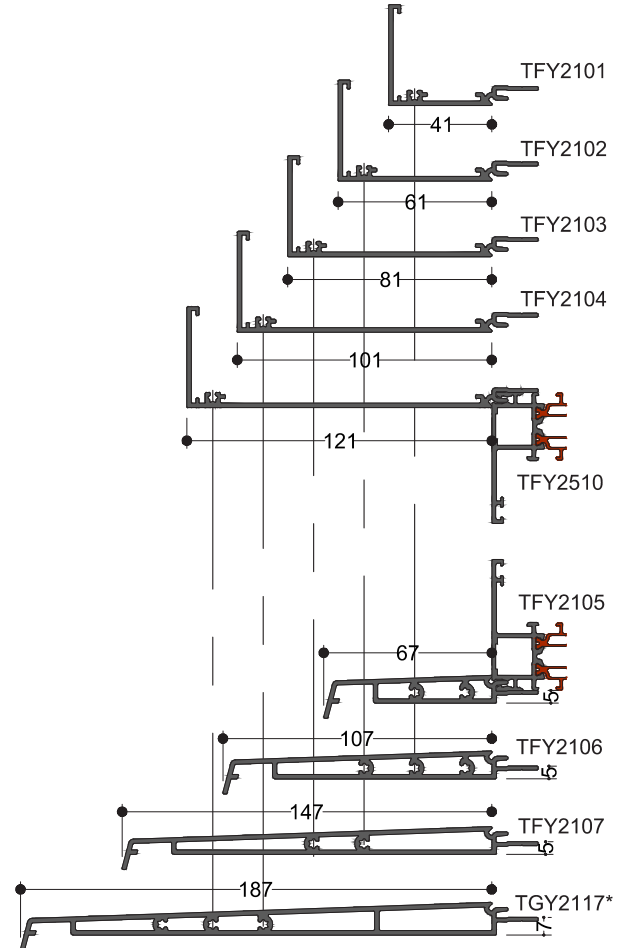
*Increase by 2 mm clearance between take up of distance and frame height, and add 2 mm to cutting of vertical flashings.

DIG-0004185 Rev. A

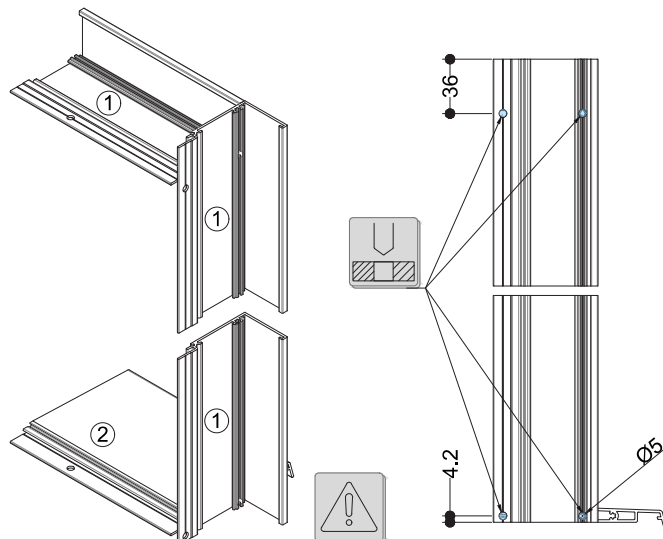
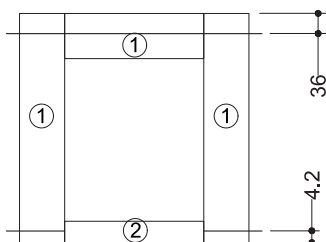
			
120	TFY2101	T780033	H+35 W-12
140	TFY2102	T780033	H+35 W-12
160	TFY2103	TGY3630	H+35 W-12
180	TFY2104	TGY3630	H+35 W-12
200	TFY2510	TGY3630	H+35 W-12

			
120	TFY2106	TCZ32118	W-18
140	TFY2107	TCZ32119	W-18
160	TFY2107	TCZ32119	W-18
180	TGY2117	TCZ32122	W-18
200	TGY2117	TCZ32122	W-18

			
120	TFY2105	TCZ32117	W-18
140	TFY2106	TCZ32118	W-18
160	TFY2106	TCZ32118	W-18
180	TFY2107	TCZ32119	W-18
200	TFY2107	TCZ32119	W-18



75



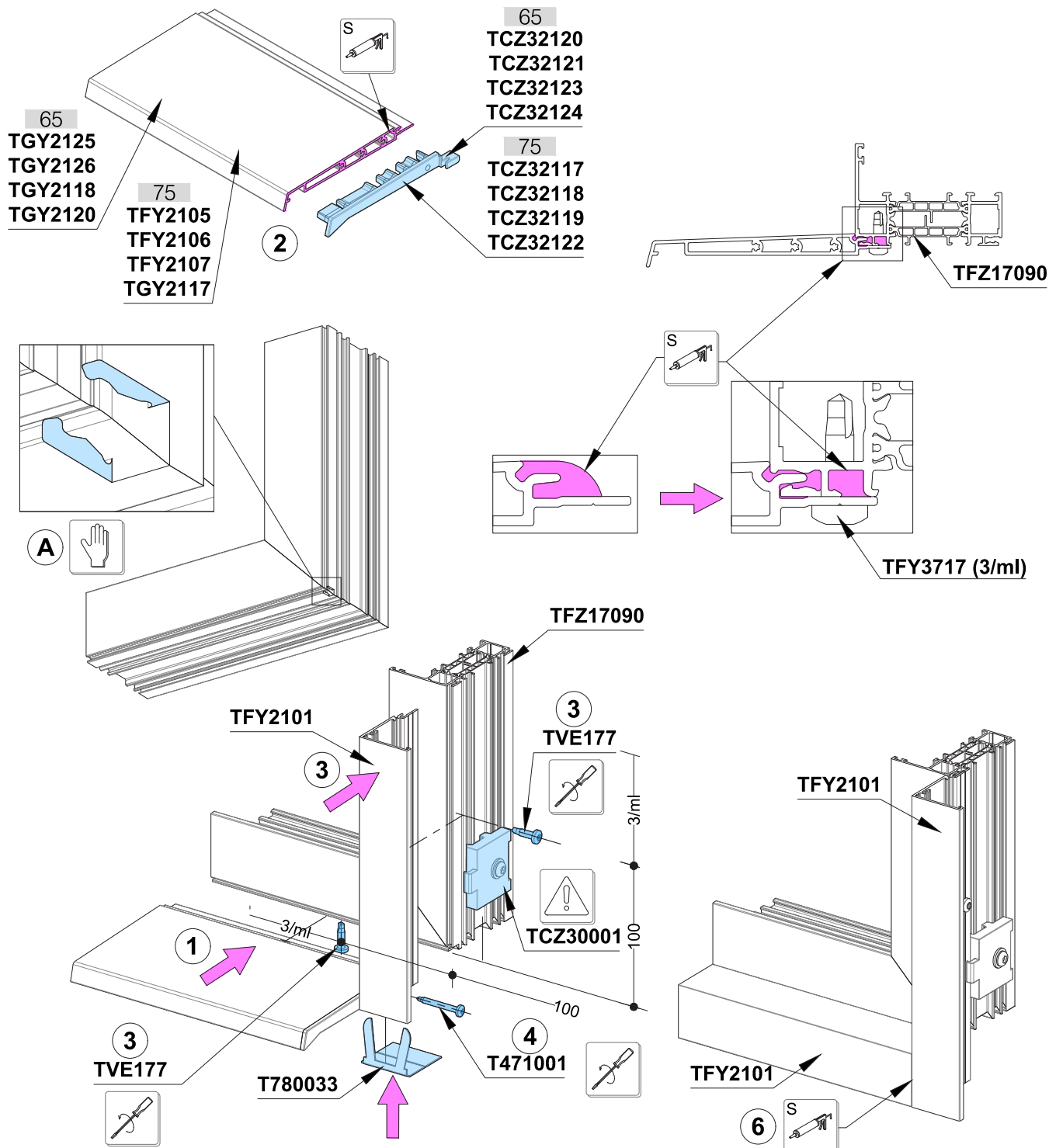
Pressing groove frame - Machining and assembly



Use the flashings mounting aid and cill TCZ30001.

- 1 - Put the cill in position without screwing it.
- 2 - Position caps on cill extremities, align it compared to the frame.
- 3 - Put flashings in position after degaged high and low horizontal grooves with a saw (see detail A) the screw them as well as cill with screws TVE177.
- 4 - Link flashings and cill with screws T471001.
- 5 - Put plug on flashing.
- 6 - Sealing for configuration Flashing / Flashing.

DIG-0004754 Rev. A



Represented in SOLEAL Next 75

65 75

FLUSH WITH INSIDE WALL FINISHING

Building connection - Fixing bracket

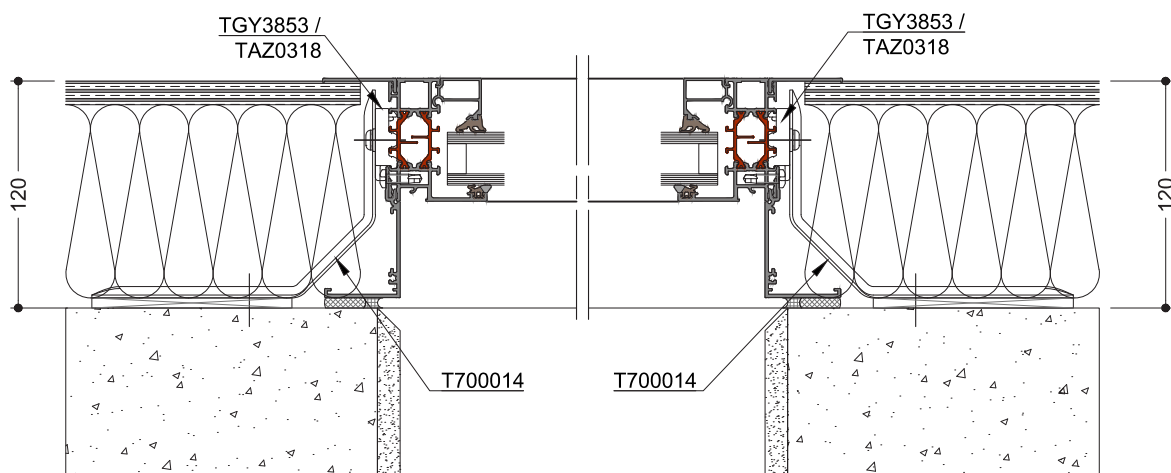
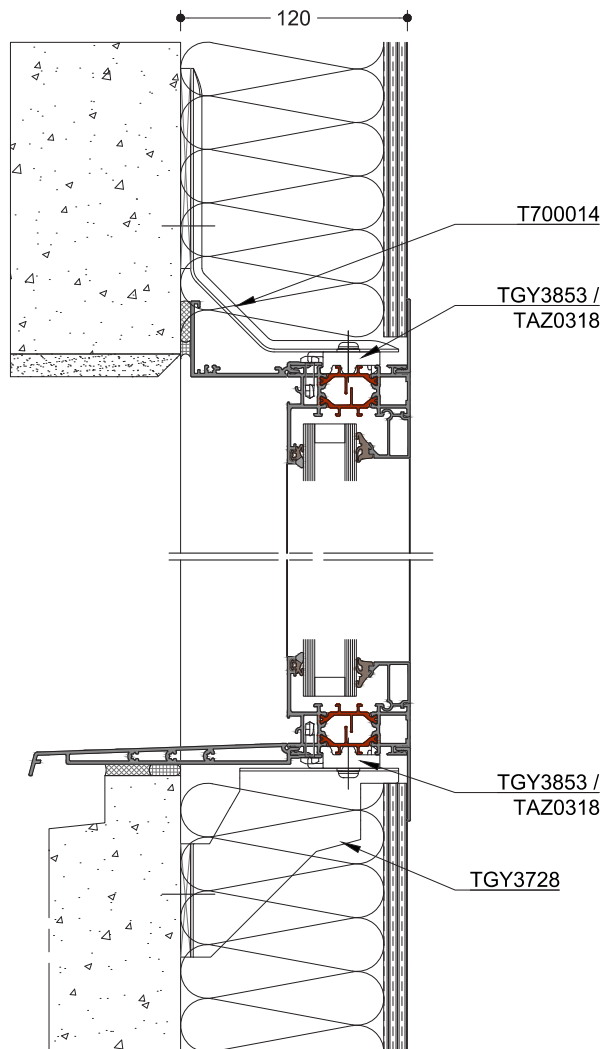
DIG-0004632 Rev. A

120	T700014 + TGY3728
140	T700013 + TGY3729
160	T700014 + TGY3730
180	TFY3745 + TFY3745
200	TFY3746 + TFY3746

120	T700014 + TGY3725
140	T700013 + TGY3726
160	T700014 + TGY3728
180	TFY3745 + TGY3729
200	TFY3746 + TGY3730

65	TGY3853
65	TAZ0318
75	TCZ30001

65 75



FLUSH WITH INSIDE WALL FINISHING

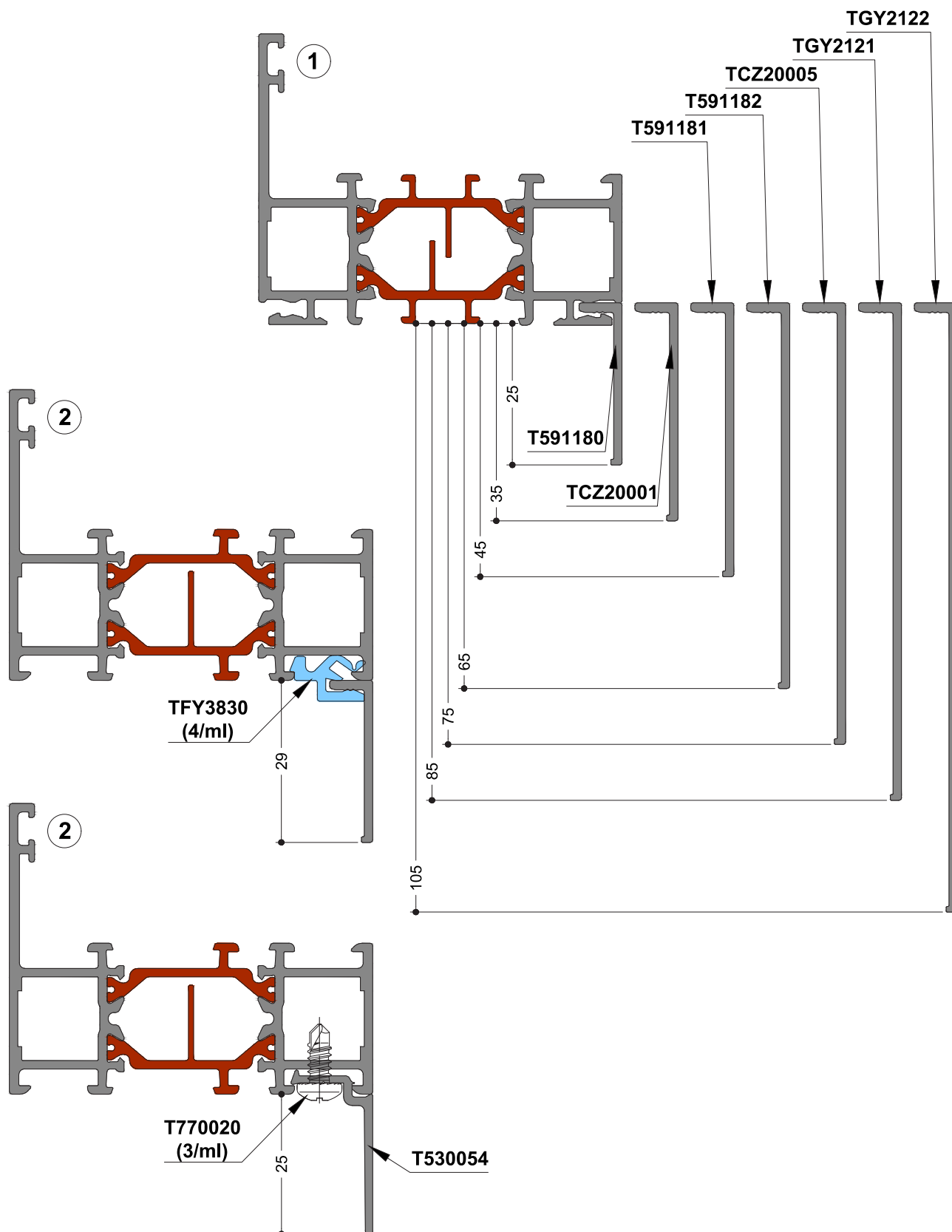
Building connection - Architrave

- 1 - Pressing groove frame
- 2 - Universal frame

DIG-0004592 Rev. A

TECHNAL®

INTERNAL POSITIONING C

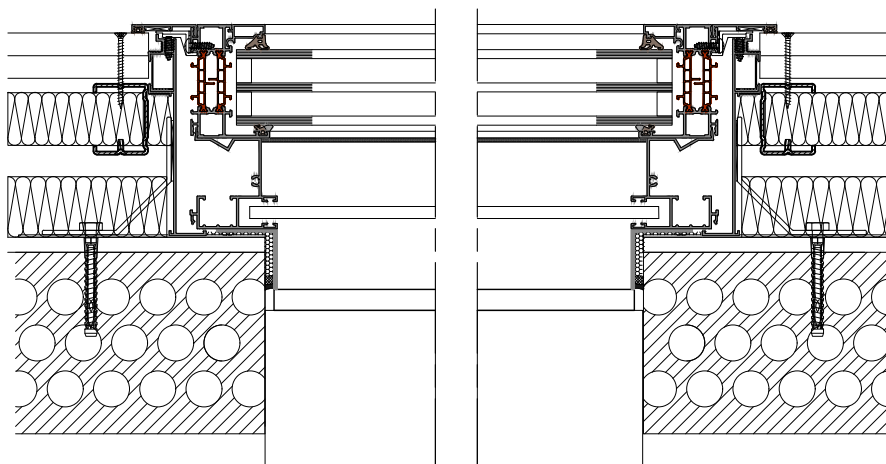
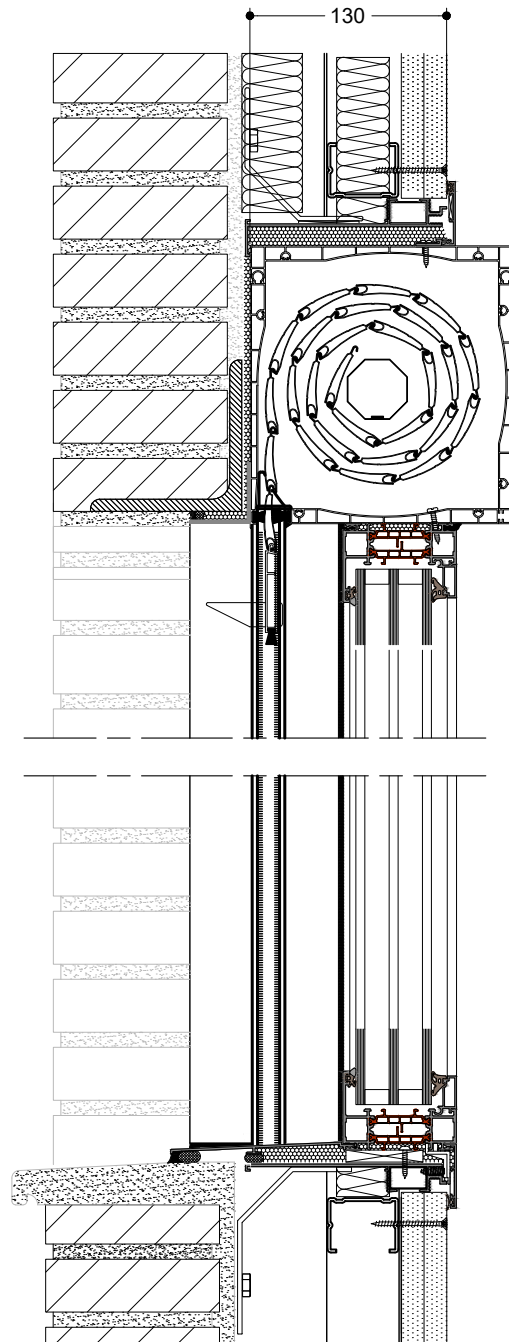


65 75

ON PRE-FRAME

Pressing groove frame onto preframe : RS flashing / concealed frame - Principle section

DIG-0005152 Rev. A



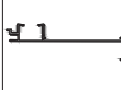
ON PRE-FRAME

Pressing groove frame onto preframe : RS flashing / concealed frame - Design

*: See design chart

DIG-0005153 Rev. A

65

				
120	TCZ20191	2 90-90 W+20 2 90-90 H+SB+23	TCZ20259	2 90-90 H
130	TCZ20192	2 90-90 W+20 2 90-90 H+SB+23	TCZ20260	2 90-90 H
140	TCZ20193	2 90-90 W+20 2 90-90 H+SB+23	TCZ20261	2 90-90 H
150	TCZ20194	2 90-90 W+20 2 90-90 H+SB+23	TCZ20262	2 90-90 H
160	TCZ20195	2 90-90 W+20 2 90-90 H+SB+23	TCZ20257	2 90-90 H

65

					
TCZ20207	2 45-45 W+61 2 45-45 W+SB+65	TCZ30201	*	TCZ20263	1 90-90 W+35
TCZ20208	2 45-45 W+61 2 45-45 W+SB+65				
TCZ20209	2 45-45 W+77 2 45-45 W+SB+81				
TCZ20210	2 45-45 W+101 2 45-45 W+SB+105				
TCZ20211	2 45-45 W+122 2 45-45 W+SB+126				
TCZ20212	2 45-45 W+162 2 45-45 W+SB+166				
TCZ20213	2 45-45 W+212 2 45-45 W+SB+216				

ON PRE-FRAME

Pressing groove frame onto preframe : RS flashing / concealed frame - Design

*: See design chart

DIG-0005411 Rev. A

75

				
120	TCZ20191	2 90-90 W+20	TCZ20258	2 90-90 H
		2 90-90 H+SB+23		
130	TCZ20192	2 90-90 W+20	TCZ20259	2 90-90 H
		2 90-90 H+SB+23		
140	TCZ20193	2 90-90 W+20	TCZ20260	2 90-90 H
		2 90-90 H+SB+23		
150	TCZ20194	2 90-90 W+20	TCZ20261	2 90-90 H
		2 90-90 H+SB+23		
160	TCZ20195	2 90-90 W+20	TCZ20262	2 90-90 H
		2 90-90 H+SB+23		

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TCZ20207	2 45-45 W+61	TCZ30201	*	TCZ20263	1 90-90 W+35
	2 45-45 W+SB+65				
TCZ20208	2 45-45 W+61				
	2 45-45 W+SB+65				
TCZ20209	2 45-45 W+77				
	2 45-45 W+SB+81				
TCZ20210	2 45-45 W+101				
	2 45-45 W+SB+105				
TCZ20211	2 45-45 W+122				
	2 45-45 W+SB+126				
TCZ20212	2 45-45 W+162				
	2 45-45 W+SB+166				
TCZ20213	2 45-45 W+212				
	2 45-45 W+SB+216				

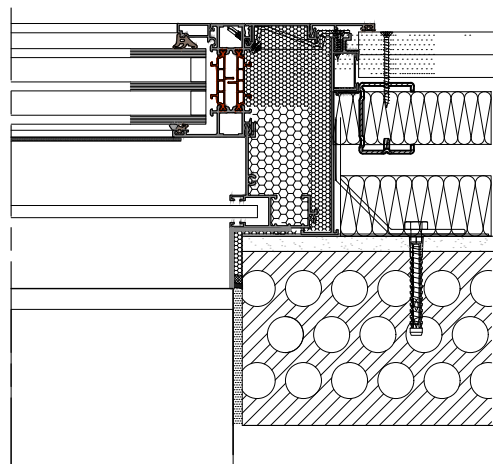
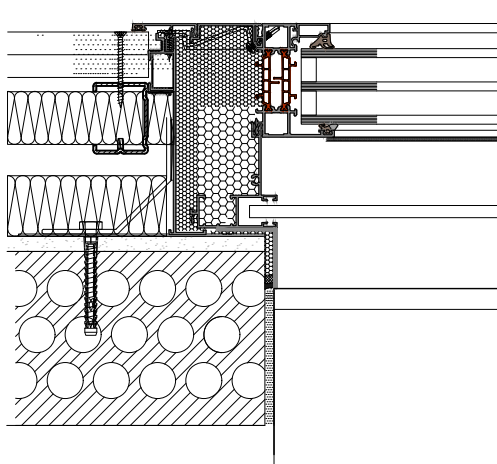
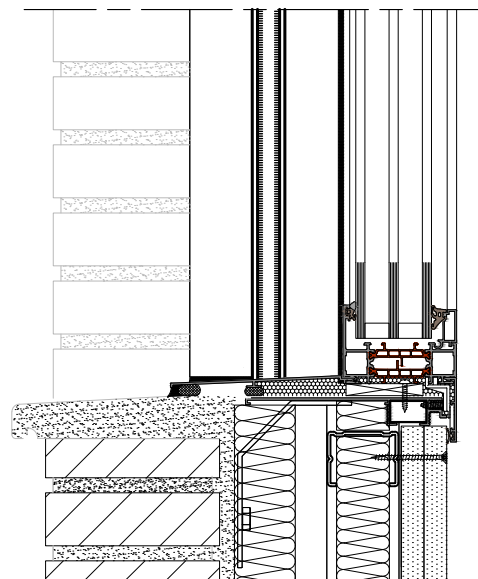
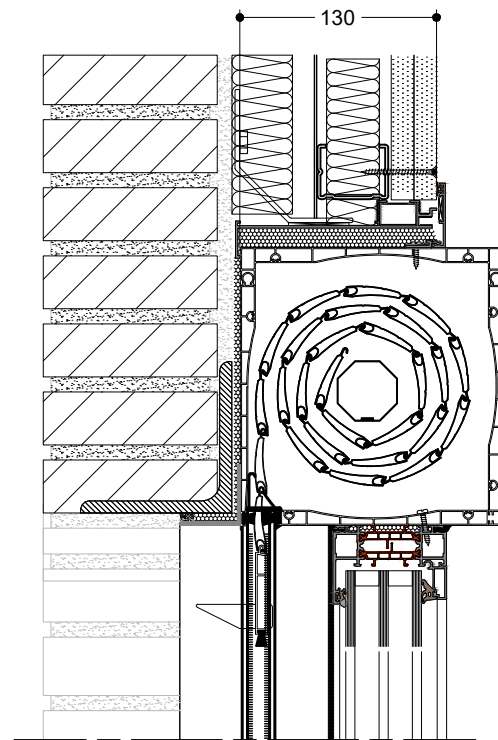
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ON PRE-FRAME

Pressing groove frame onto preframe : Rolling shutter flashing - Principle section

DIG-0005154 Rev. A



ON PRE-FRAME

Pressing groove frame onto preframe : Rolling shutter flashing - Design

*: See design chart

DIG-0005155 Rev. A

65

				
120	TCZ20191	2 90-90 W+105 2 90-90 H+SB+23	TCZ20248	2 90-90 H
130	TCZ20192	2 90-90 W+105 2 90-90 H+SB+23	TCZ20249	2 90-90 H
140	TCZ20193	2 90-90 W+105 2 90-90 H+SB+23	TCZ20251	2 90-90 H
150	TCZ20194	2 90-90 W+105 2 90-90 H+SB+23	TCZ20252	2 90-90 H
160	TCZ20195	2 90-90 W+105 2 90-90 H+SB+23	TCZ20253	2 90-90 H
180	TCZ20196	2 90-90 W+105 2 90-90 H+SB+23	TCZ20255	2 90-90 H

65

													
TCZ20207	2	45-45	W+61	TCZ30002	*	TCZ20263	1	90-90	W+35	TCZ20103	2	90-90	H
	2	45-45	W+SB+65										
TCZ20208	2	45-45	W+61										
	2	45-45	W+SB+65										
TCZ20209	2	45-45	W+77										
	2	45-45	W+SB+81										
TCZ20210	2	45-45	W+101	TCZ30201	*								
	2	45-45	W+SB+105										
TCZ20211	2	45-45	W+122										
	2	45-45	W+SB+126										
TCZ20212	2	45-45	W+162										
	2	45-45	W+SB+166										
TCZ20213	2	45-45	W+212										
	2	45-45	W+SB+216										

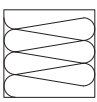
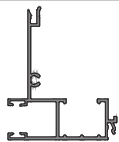
ON PRE-FRAME

Pressing groove frame onto preframe : Rolling shutter flashing - Design

*: See design chart

DIG-0005412 Rev. A

75

				
120	TCZ20191	2 90-90 W+105 2 90-90 H+SB+23	TCZ20247	2 90-90 H
130	TCZ20192	2 90-90 W+105 2 90-90 H+SB+23	TCZ20248	2 90-90 H
140	TCZ20193	2 90-90 W+105 2 90-90 H+SB+23	TCZ20249	2 90-90 H
150	TCZ20194	2 90-90 W+105 2 90-90 H+SB+23	TCZ20251	2 90-90 H
160	TCZ20195	2 90-90 W+105 2 90-90 H+SB+23	TCZ20252	2 90-90 H
180	TCZ20196	2 90-90 W+105 2 90-90 H+SB+23	TCZ20254	2 90-90 H

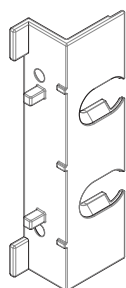
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TCZ20207	2 45-45 W+61 2 45-45 W+SB+65	TCZ30002	*	TCZ20263	1 90-90 W+35	TCZ20103	2 90-90 H
TCZ20208	2 45-45 W+61 2 45-45 W+SB+65						
TCZ20209	2 45-45 W+77 2 45-45 W+SB+81						
TCZ20210	2 45-45 W+101 2 45-45 W+SB+105						
TCZ20211	2 45-45 W+122 2 45-45 W+SB+126	TCZ30201	*				
TCZ20212	2 45-45 W+162 2 45-45 W+SB+166						
TCZ20213	2 45-45 W+212 2 45-45 W+SB+216						

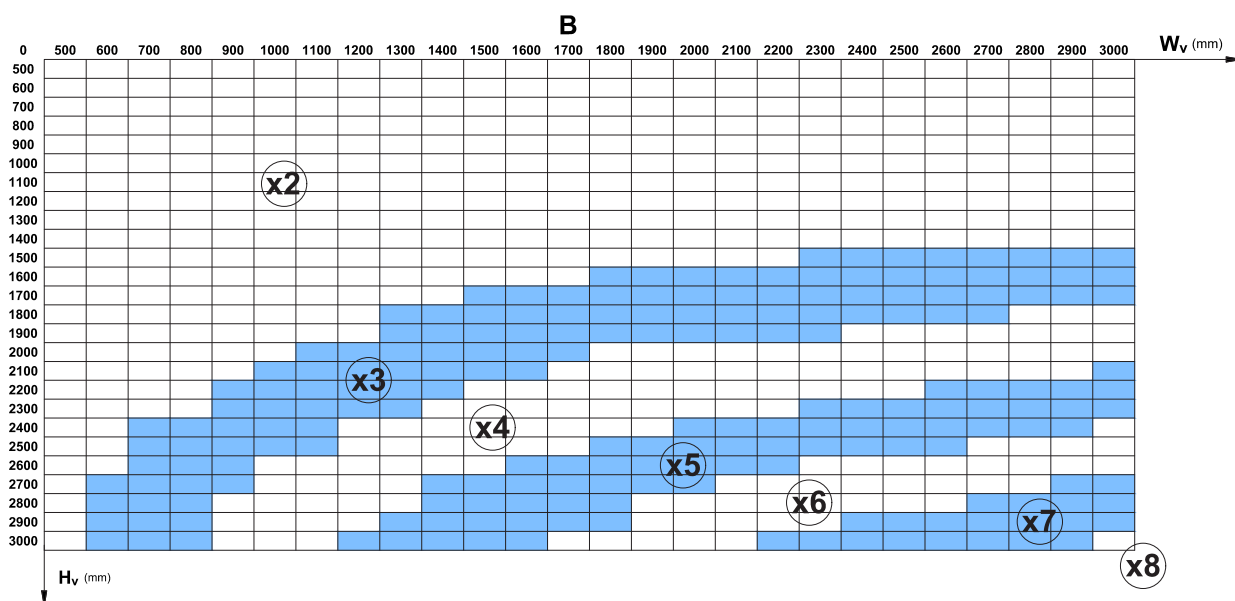
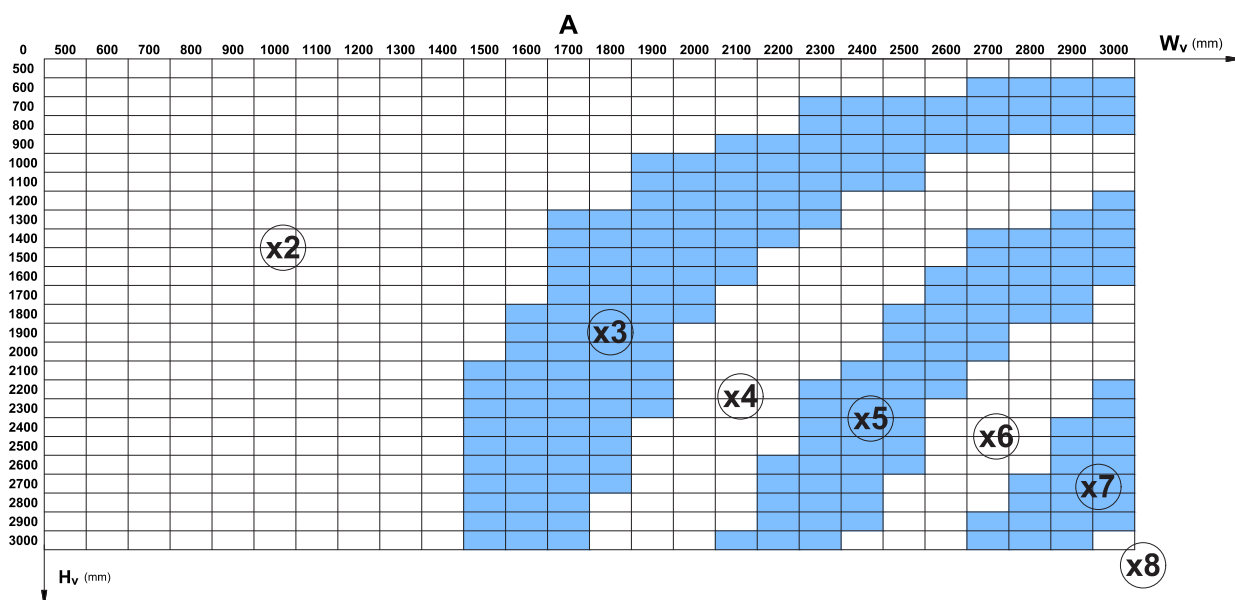
Building connection - Universal and BTC frame

A = Horizontal with $P = 800 \text{ Pa}$ B = Vertical with $P = 800 \text{ Pa}$

DIG-0005051 Rev. A



TCZ30201



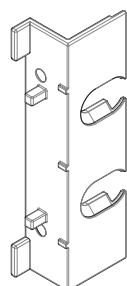
ON PRE-FRAME

Building connection - Universal and BTC frame

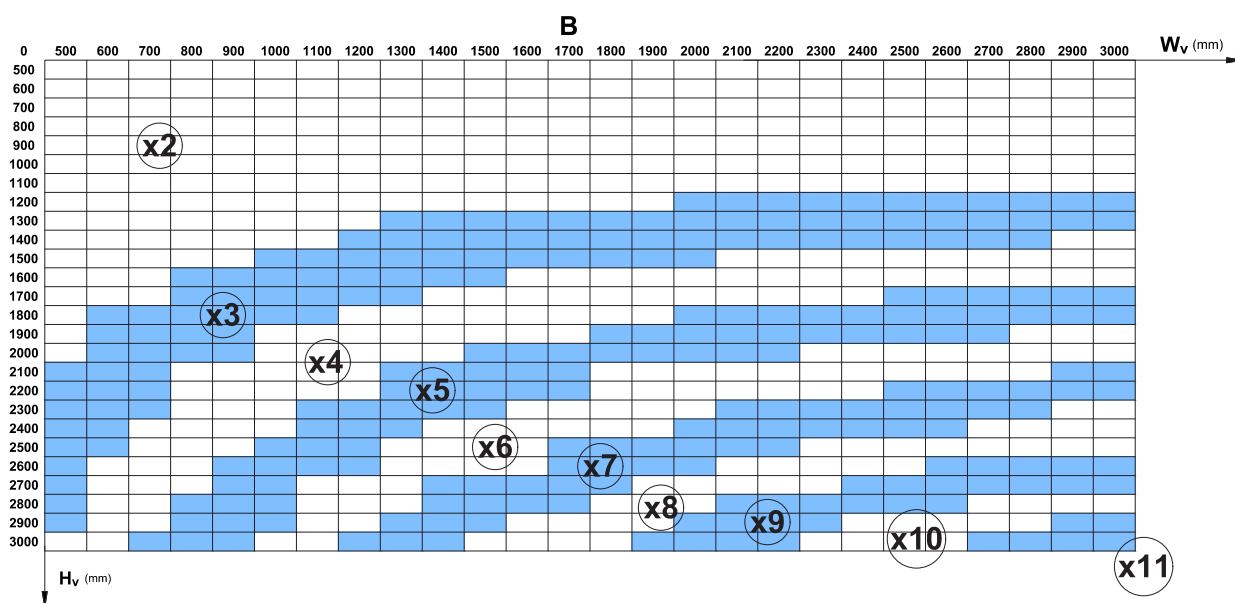
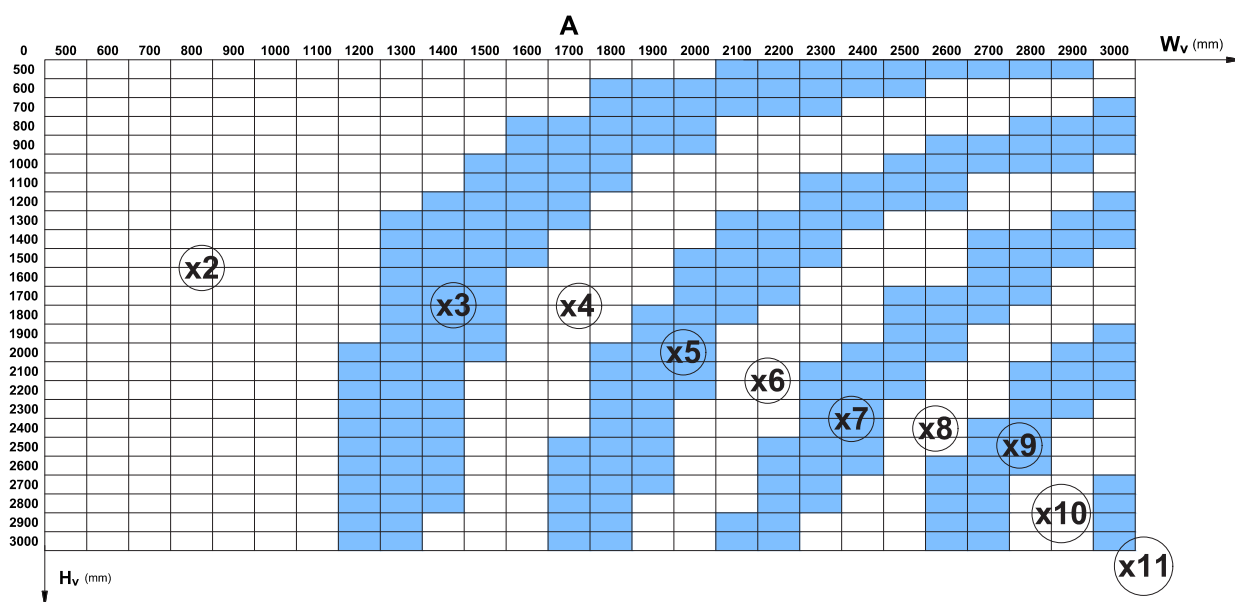
A = Horizontal with $P = 1200 \text{ Pa}$

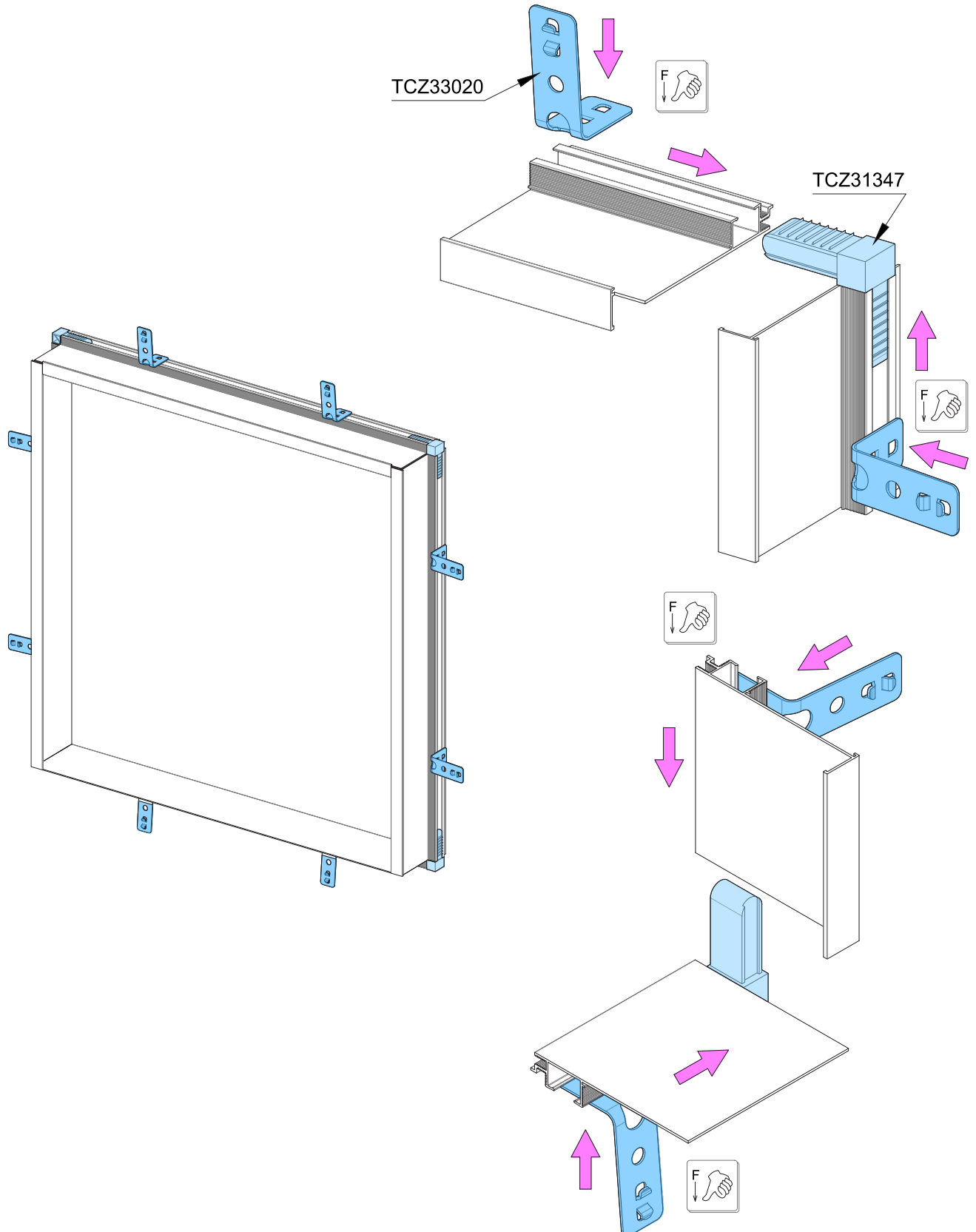
B = Vertical with $P = 1200 \text{ Pa}$

DIG-0005052 Rev. A



TCZ30201





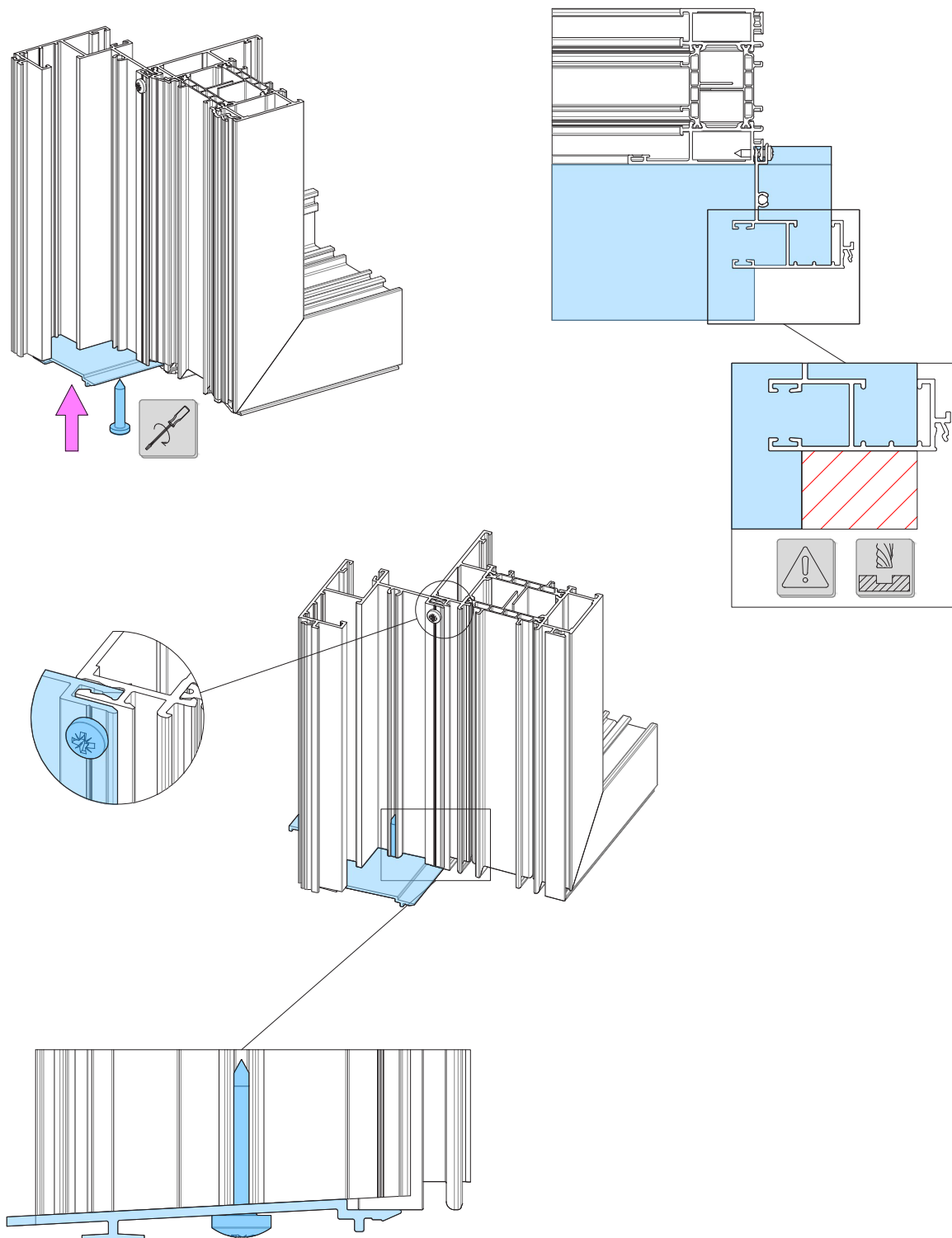
ON PRE-FRAME

Machining and assembly - Universal and BTC frame



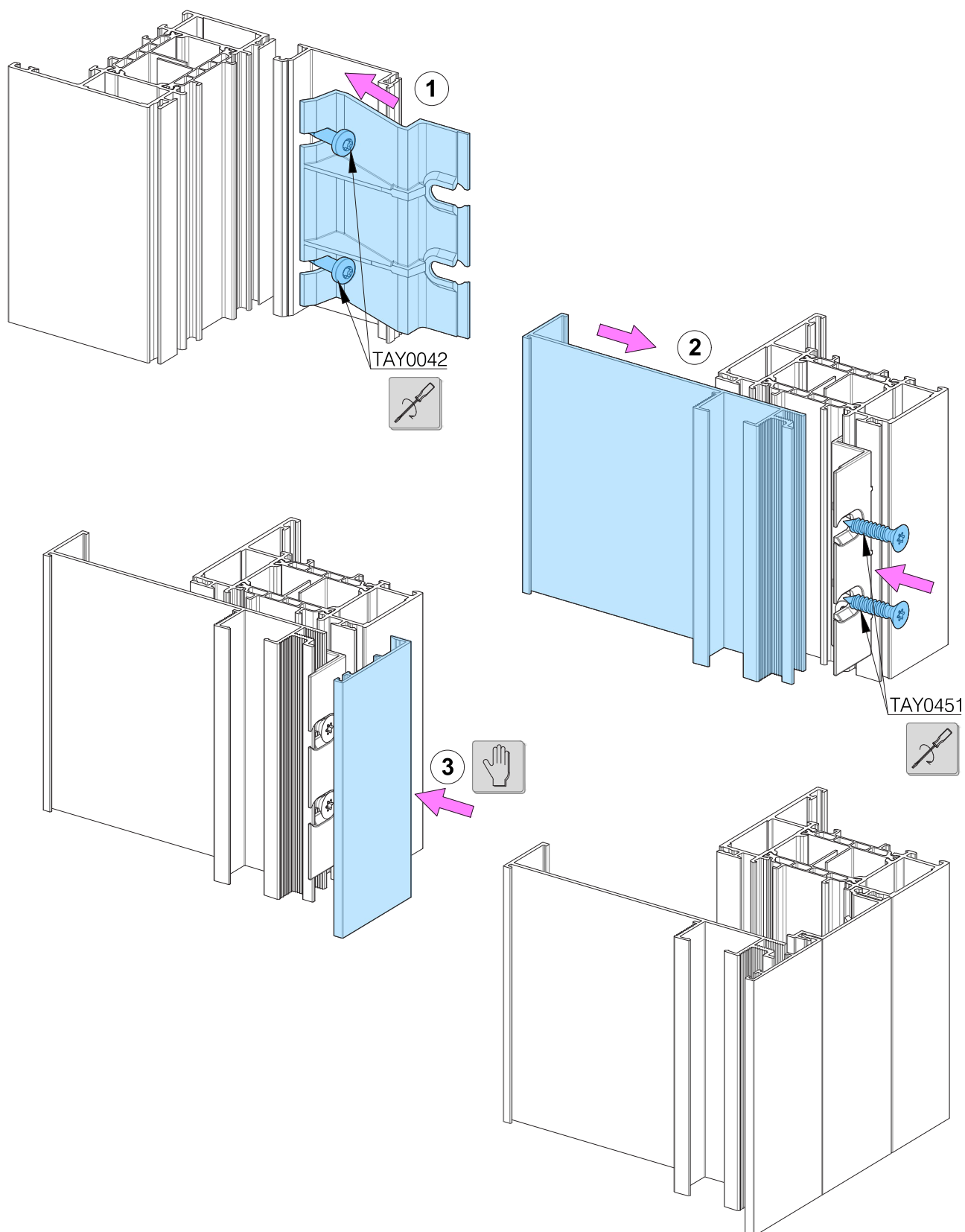
Milling the down-pipe at the extremities.

DIG-0005062 Rev. A



Represented in SOLEAL Next 75

65 75



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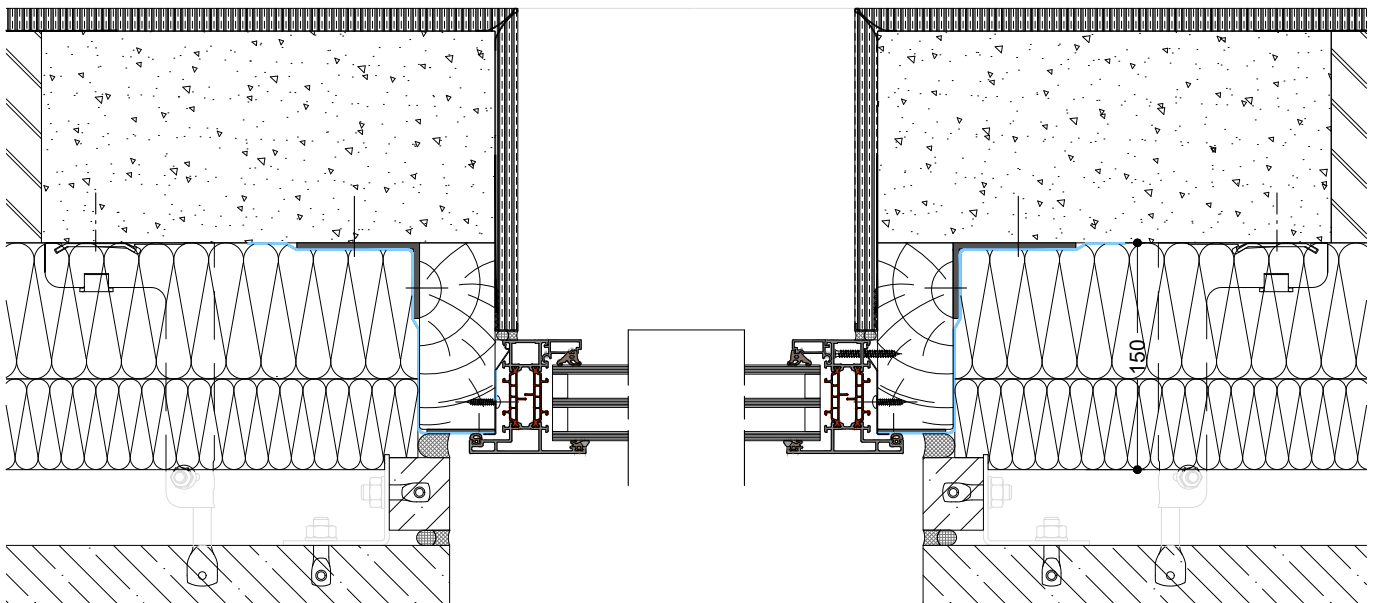
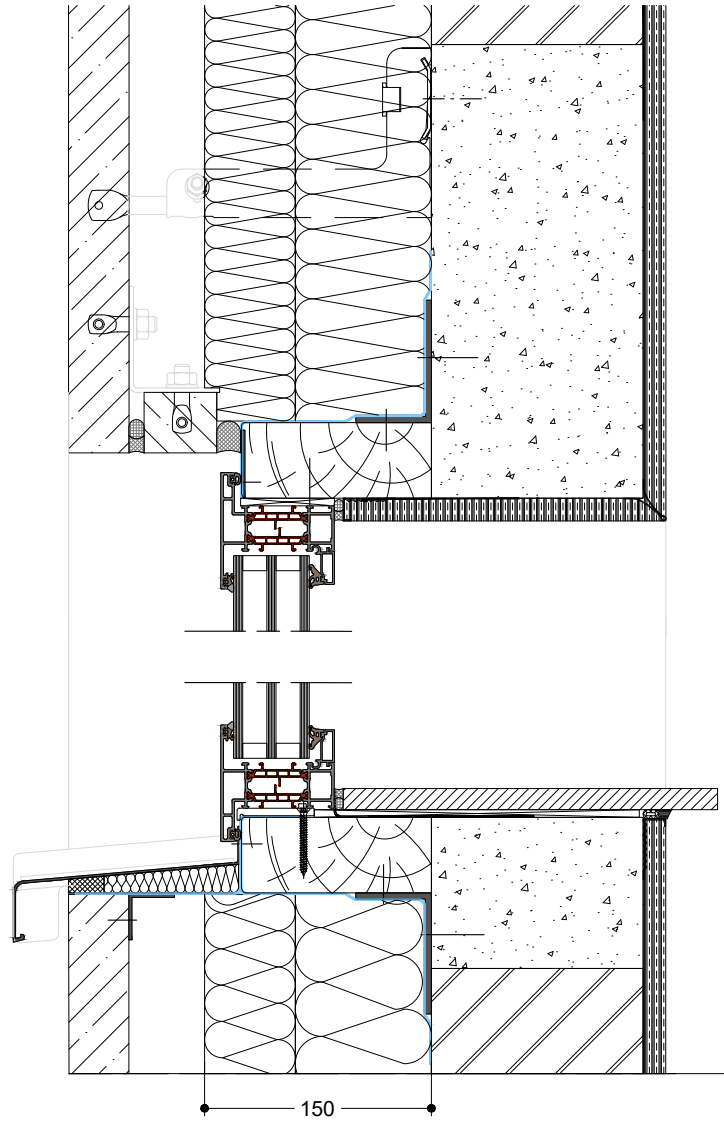
External positioning

D

INSTALLED FROM OUTSIDE ON PRE-FRAME

Preframe - Principle section

DIG-0004757 Rev. A



INSTALLED FROM OUTSIDE ON PRE-FRAME

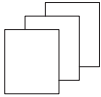
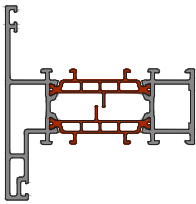
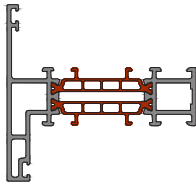
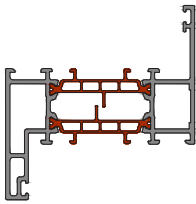
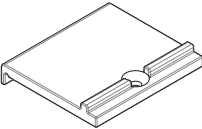
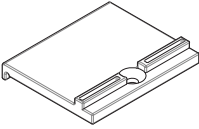
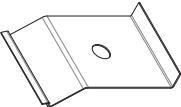
Preframe - Frame installation

Hmin ≤ 350 With shim of 7 mm (H preframe = H+12)

Hmin ≤ 500 With shim of 6 mm (H preframe = H+11)

Hmin ≤ 700 With shim of 5 mm (H preframe = H+10)

DIG-0004795 Rev. A

					
		TFZ17073	TFZ17071	TFZ17074	TPZ17096
 TCZ33111	W/330	✗	✗	✗	✓
 TCZ33110	W/330	✓	✓	✓	✗
 TCZ33109	W/330 H/115	✓	✓	✓	✓
 TFY5008	2H 2W	✓	✓	✓	✓
 TZZ0055	W/115 H/115	✓	✓	✓	✓

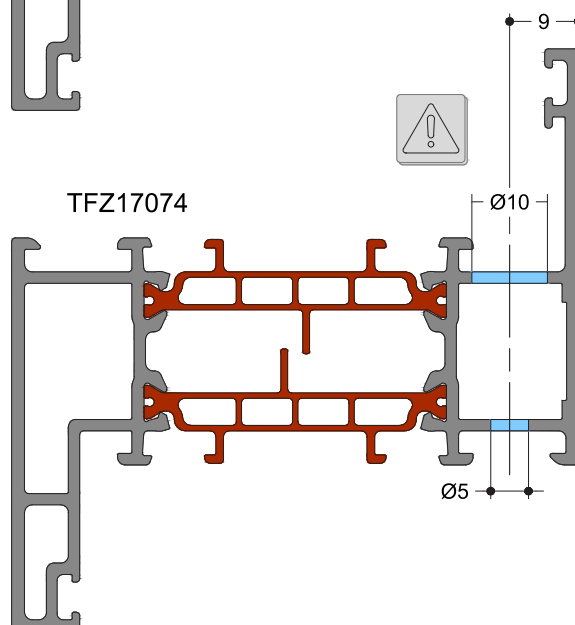
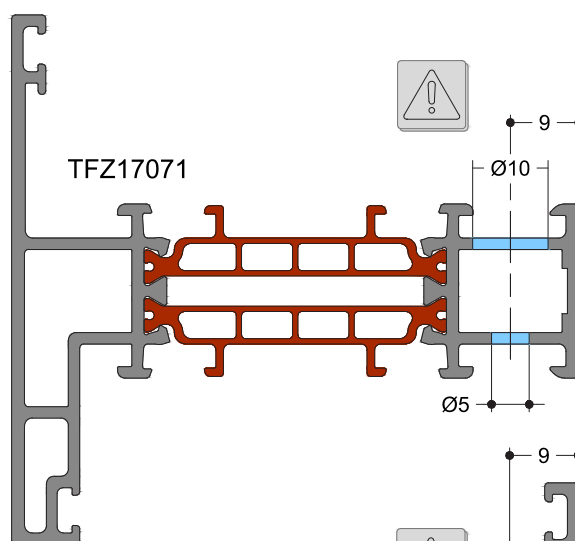
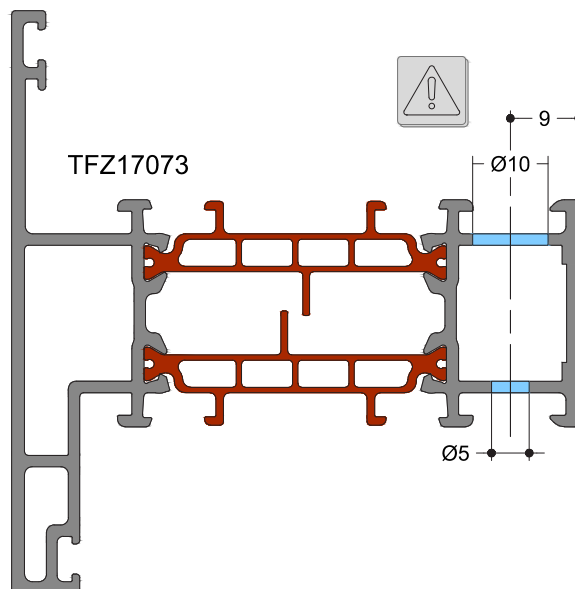
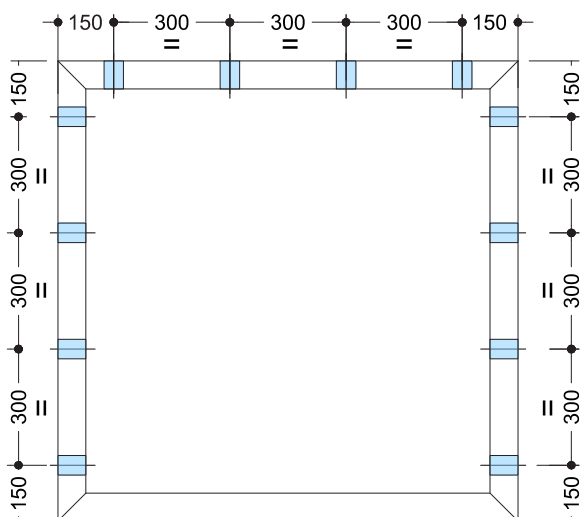
INSTALLED FROM OUTSIDE ON PRE-FRAME

Building connection - Machining



Adjust according to the no TECHNAL® screws used.

DIG-0005238 Rev. A

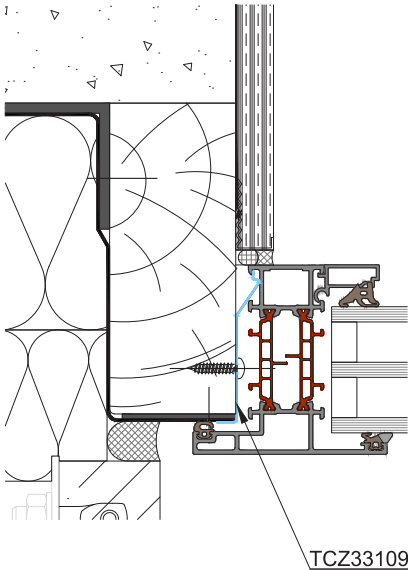
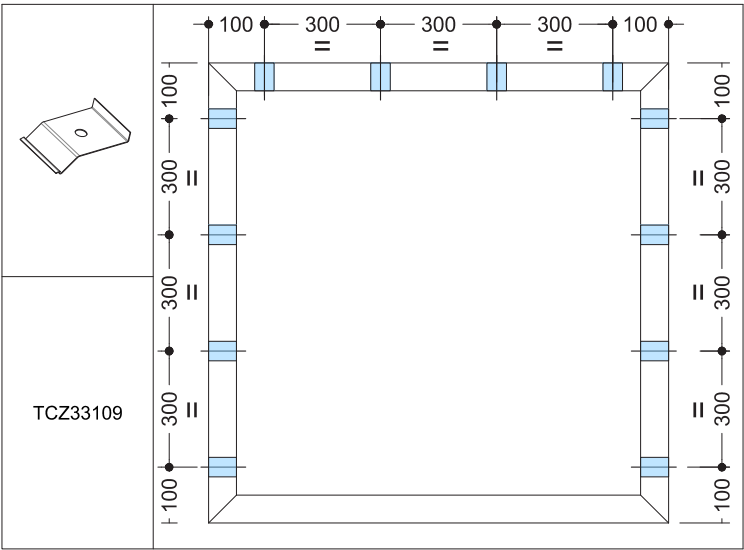
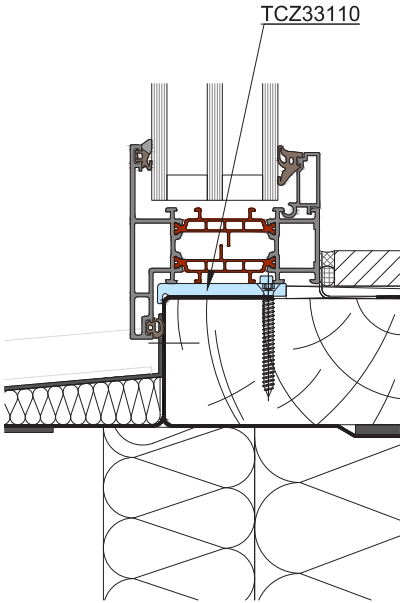
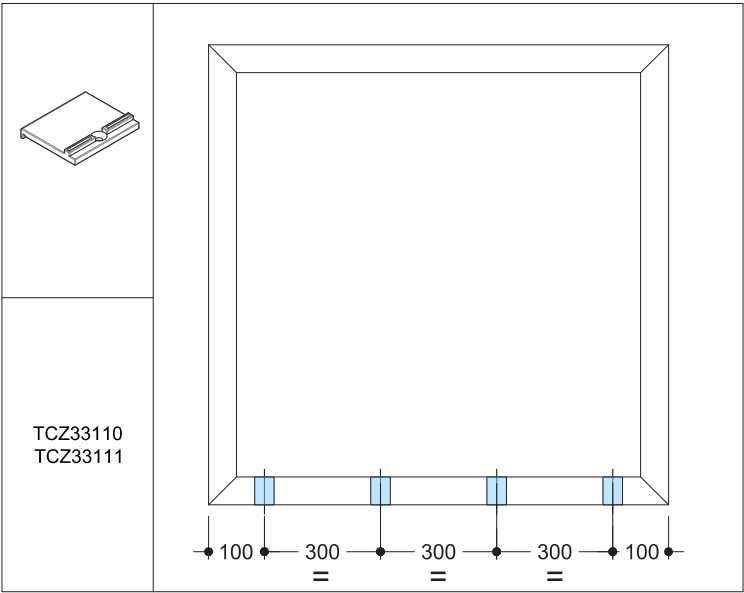


INSTALLED FROM OUTSIDE ON PRE-FRAME

Building connection - Preframe connection

DIG-0004761 Rev. A

EXTERNAL POSITIONING D

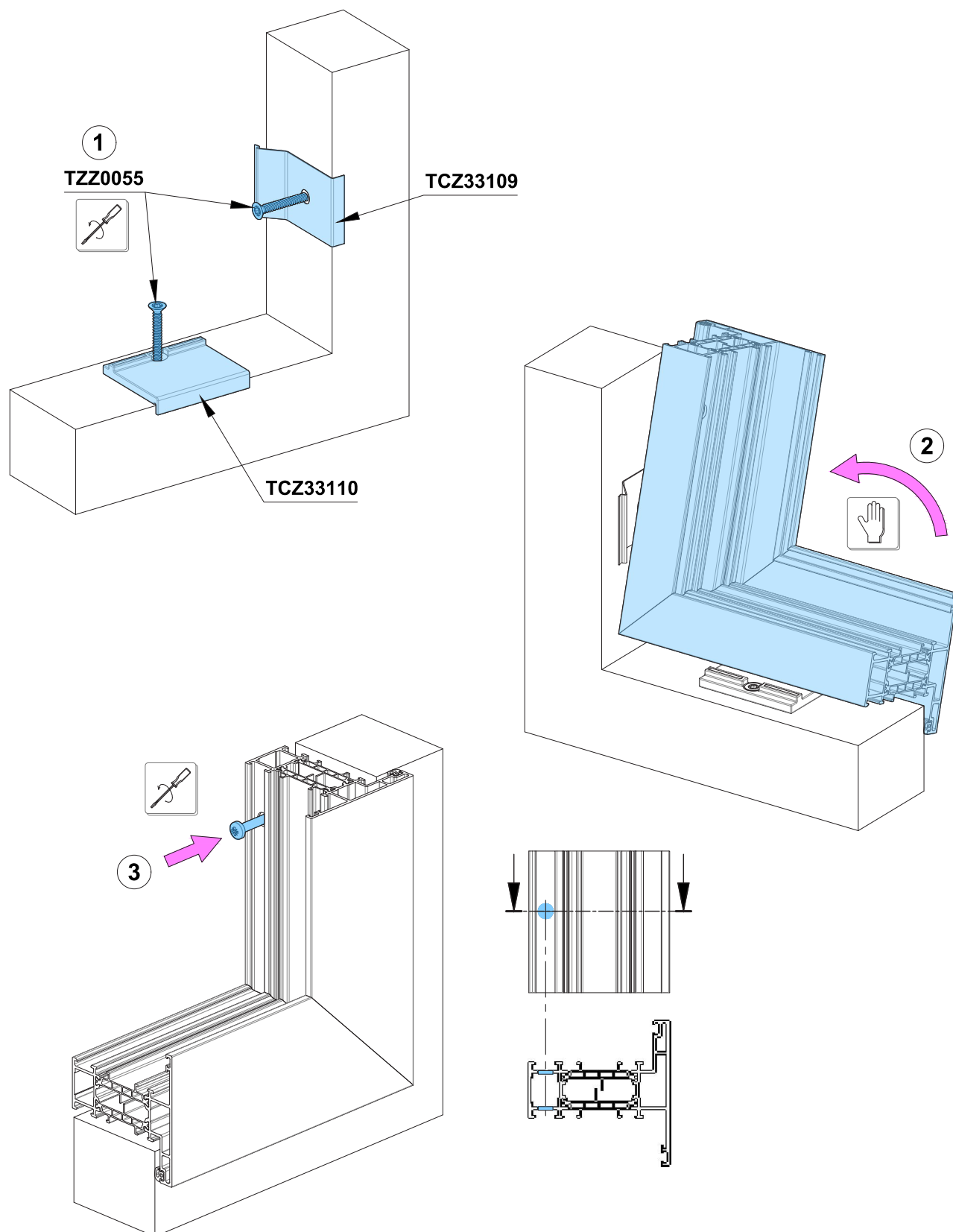


INSTALLED FROM OUTSIDE ON PRE-FRAME

Machining and assembly

- 1 - Fix wedges and clips on pre-frame following the distribution.
- 2 - Mount the frame by rotation.
- 3 - Lock assembly with no TECHNAL® screws adapted to the support.

DIG-0004860 Rev. A



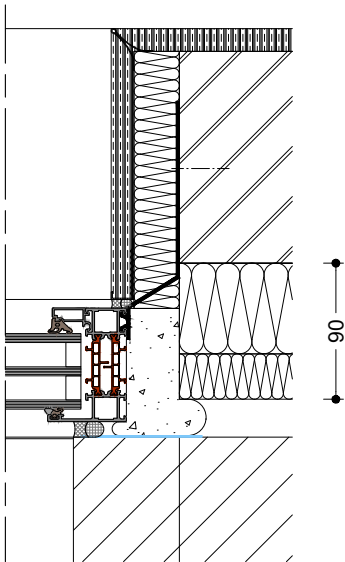
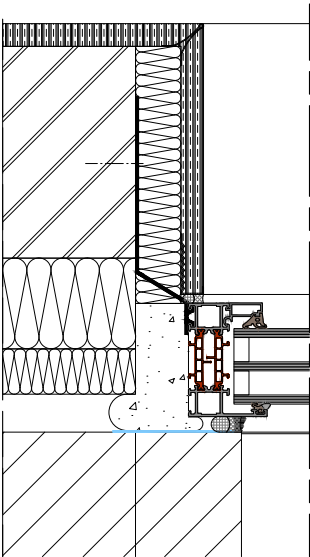
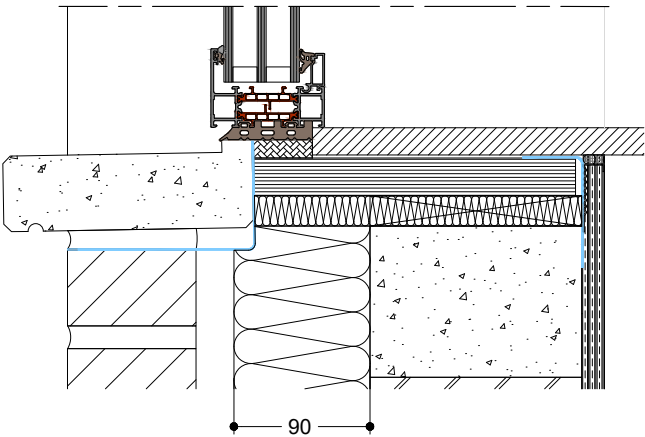
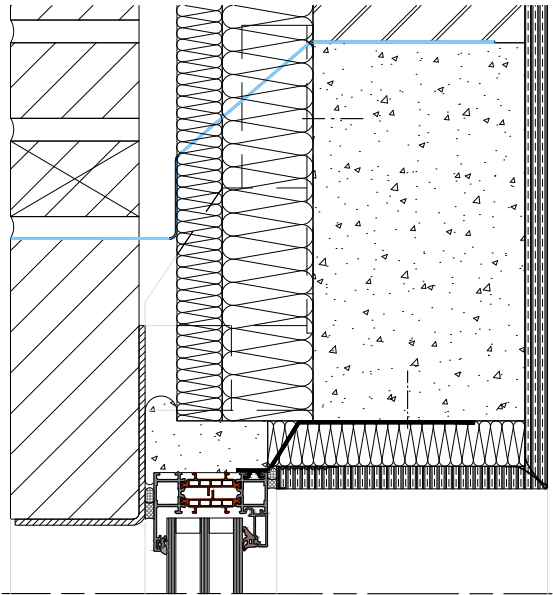
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BEHIND WALL FINISH WITH STONE OUTER CILL

TECHNAL® Universal frame - Principle section

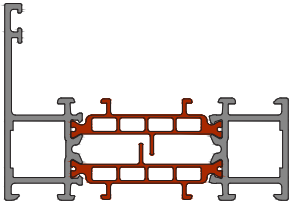
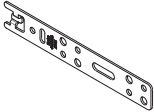
DIG-0004768 Rev. A



BEHIND WALL FINISH WITH STONE OUTER CILL

Universal frame - Conception 75mm

DIG-0004806 Rev. A

	
 TCZ50216	W
 TCZ32182	2
 TCZ33000	W/330 H/115

D
EXTERNAL POSITIONING

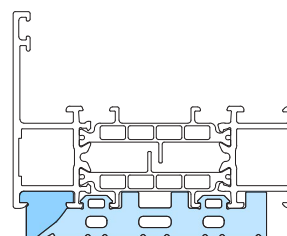
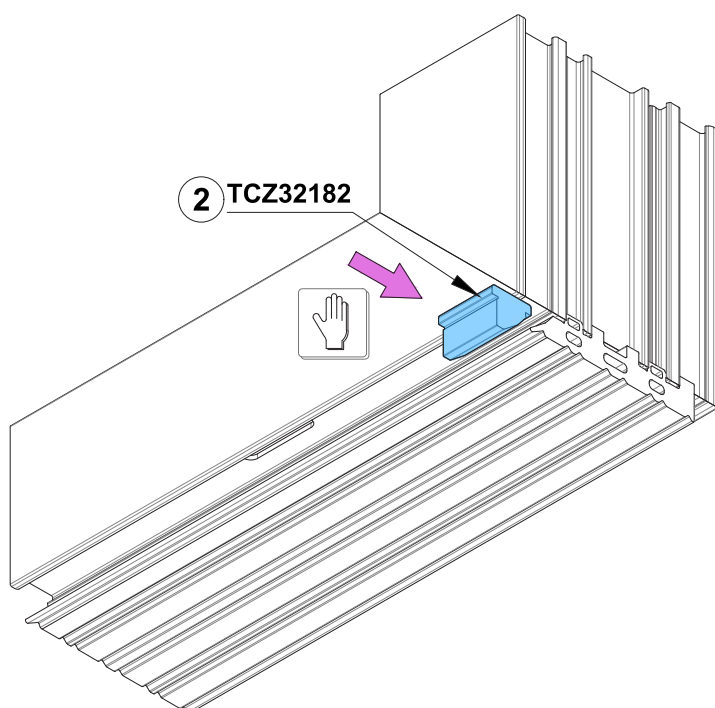
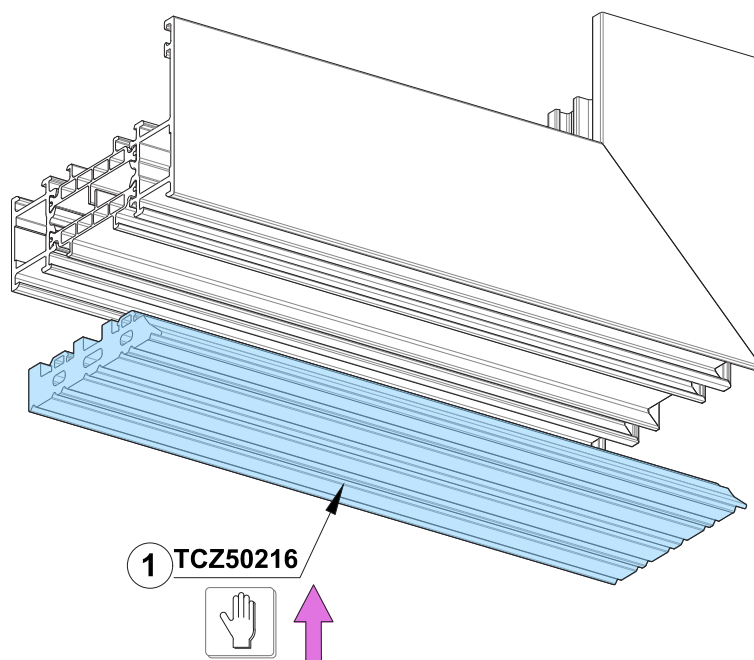
TECHNAL®

BEHIND WALL FINISH WITH STONE OUTER CILL

Machining and assembly

- 1 - Put the insulating gasket.
- 2 - Put the extremities plugs.

DIG-0004870 Rev. A



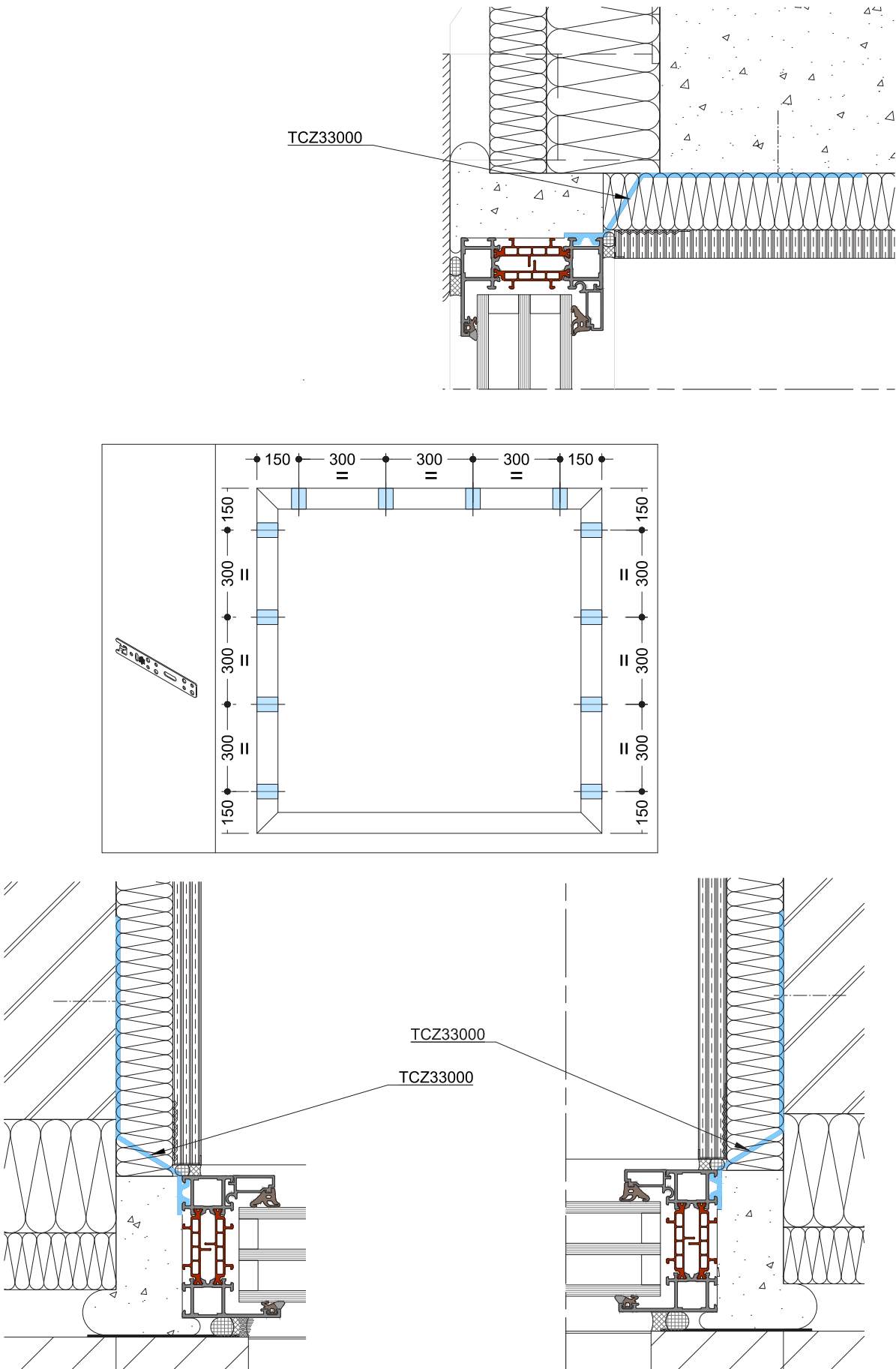
BEHIND WALL FINISH WITH STONE OUTER CILL

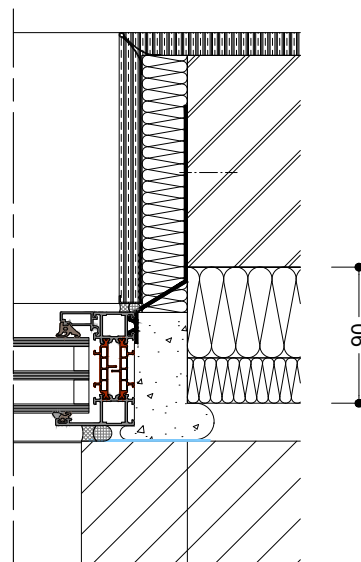
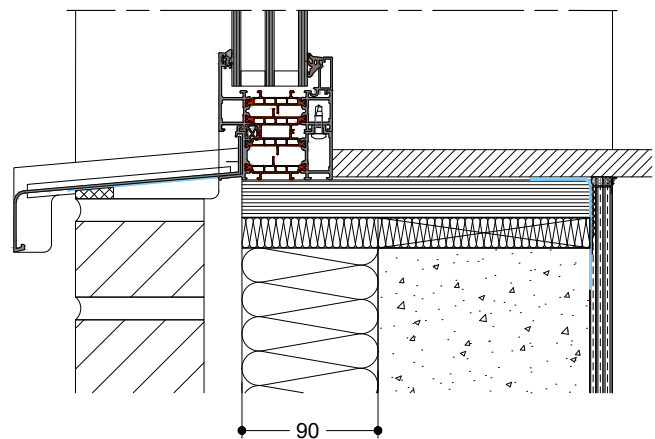
Building connection - Charts

DIG-0004769 Rev. A

TECHNAL®

D
EXTERNAL POSITIONING



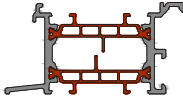
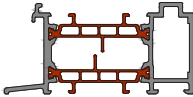
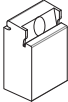
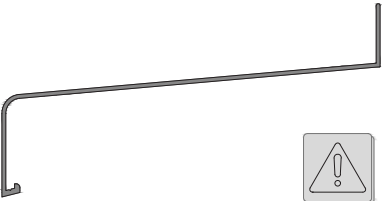


BEHIND WALL FINISH WITH SUB-CILL AND CILL

Universal frame with sub-cill - Conception 75mm

 : Refer to cill offer for complete cill offering see chapter “other solutions”, sub chapter “cills and accessories”

DIG-0004832 Rev. A

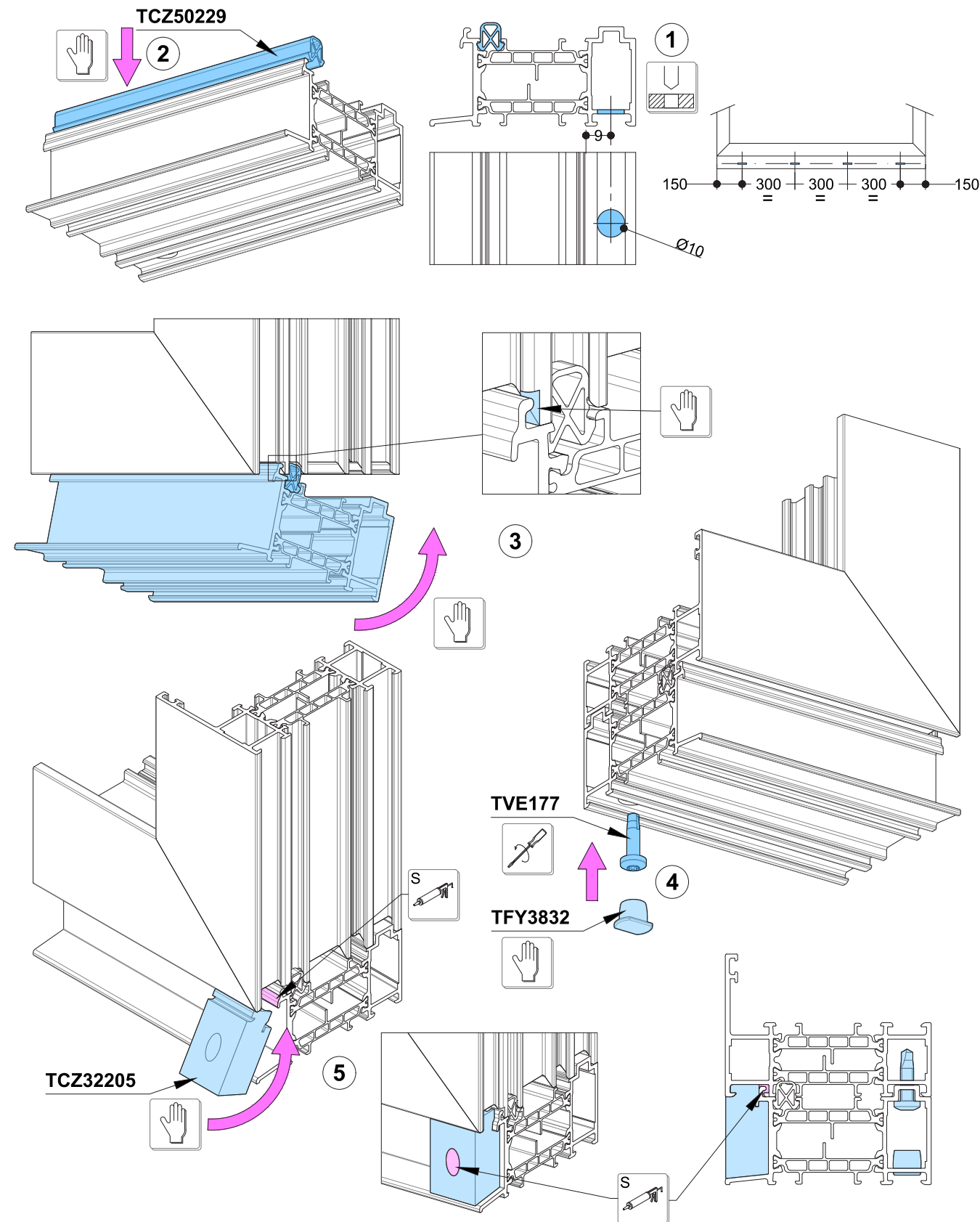
	 TCZ17831	 TCZ17832
 TFY3832		W/330
 TCZ32205	2	2
 TCZ50229	W	W
 	-	-
 TVE177	W/330	W/330

BEHIND WALL FINISH WITH SUB-CILL AND CILL

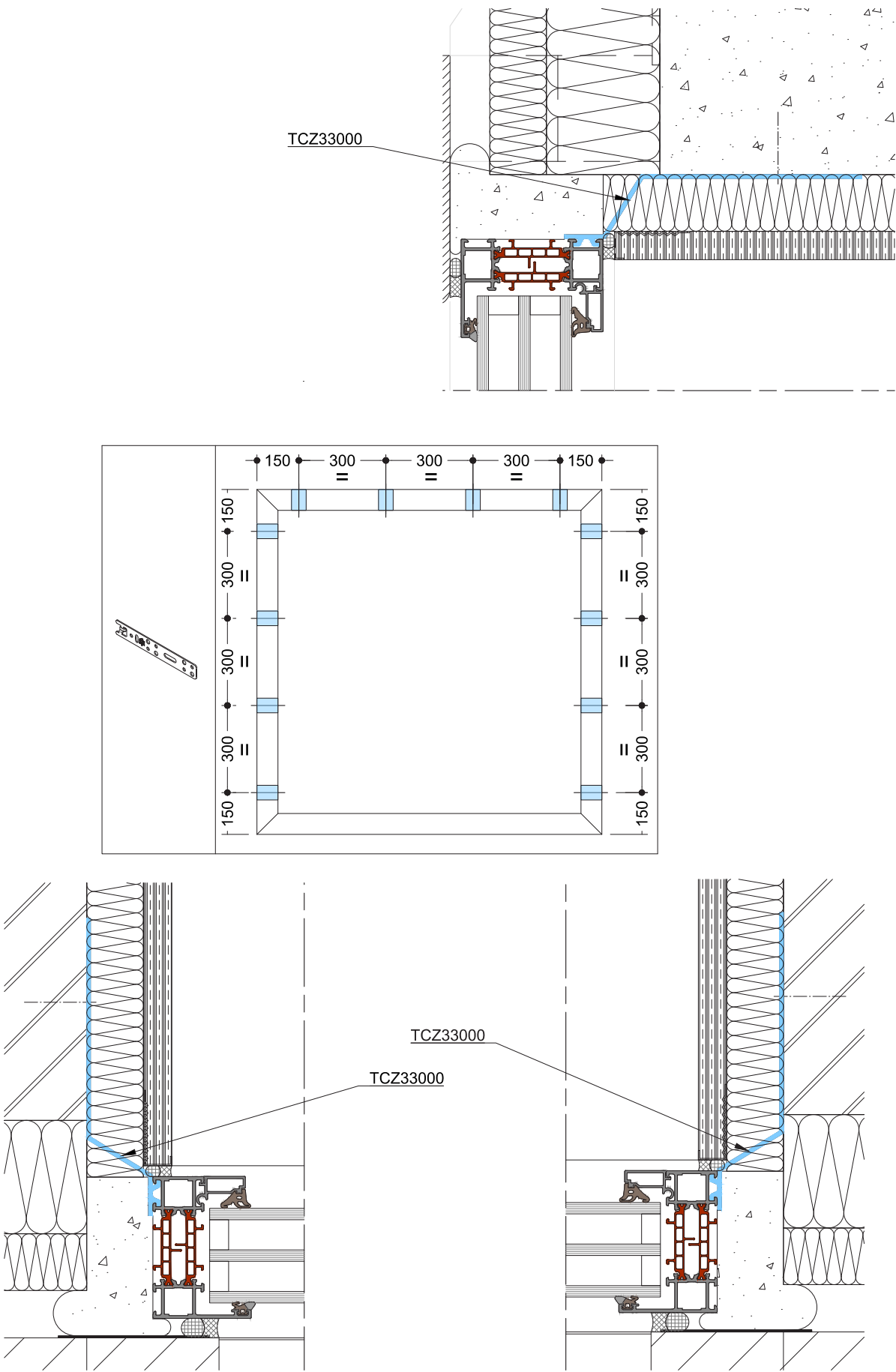
Machining and assembly

- 1 - Machining detail and holes distribution for fixing screws.
- 2 - Mount the gasket into the frame groove before assembly.
- 3 - Mounting by rotation after degaged low horizontal transom groove with a saw.
- 4 - Lock with screws and put plugs in position.
- 5 - Put a silicone line on the profile before the cap mounting and mount the end cap before sealing it.

DIG-0004873 Rev. A



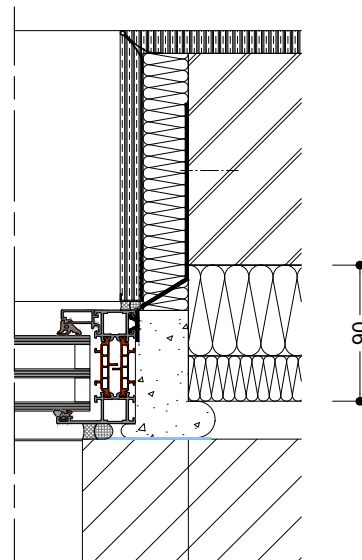
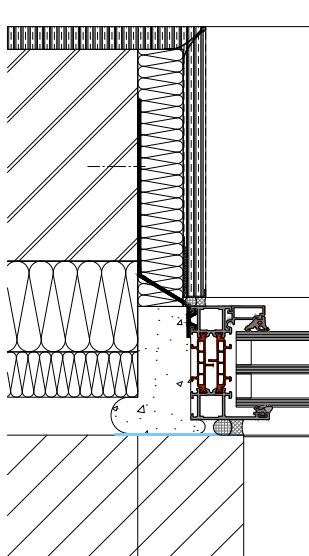
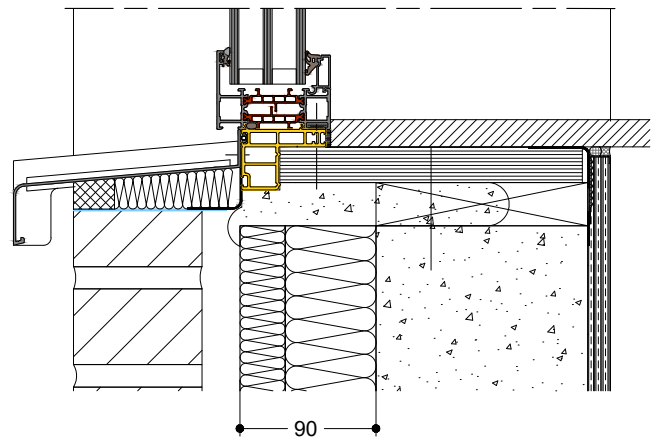
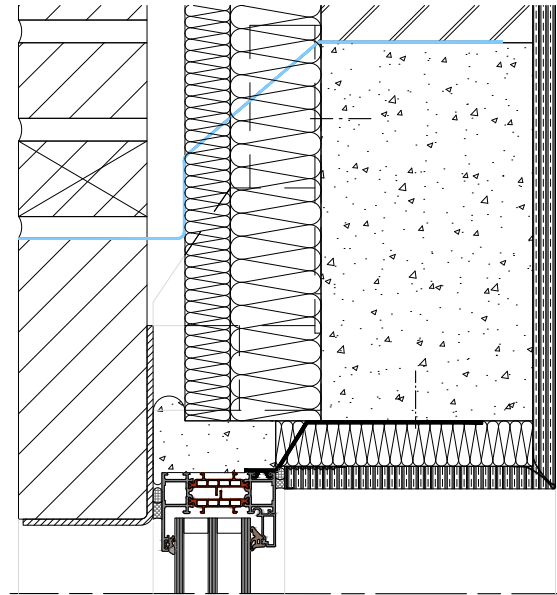
BEHIND WALL FINISH WITH SUB-CILL AND CILL



BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL AND CILL

Universal frame with synthetic sub-cill - Principle section

DIG-0004775 Rev. A

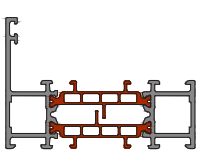
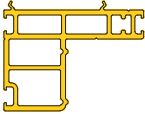
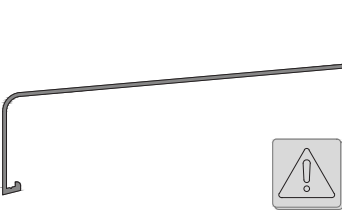


BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL AND CILL

Universal frame with synthetic sub-cill - Conception 75mm

 : Refer to cill offer for complete cill offering see chapter “other solutions”, sub chapter “cills and accessories”.

DIG-0004836 Rev. A

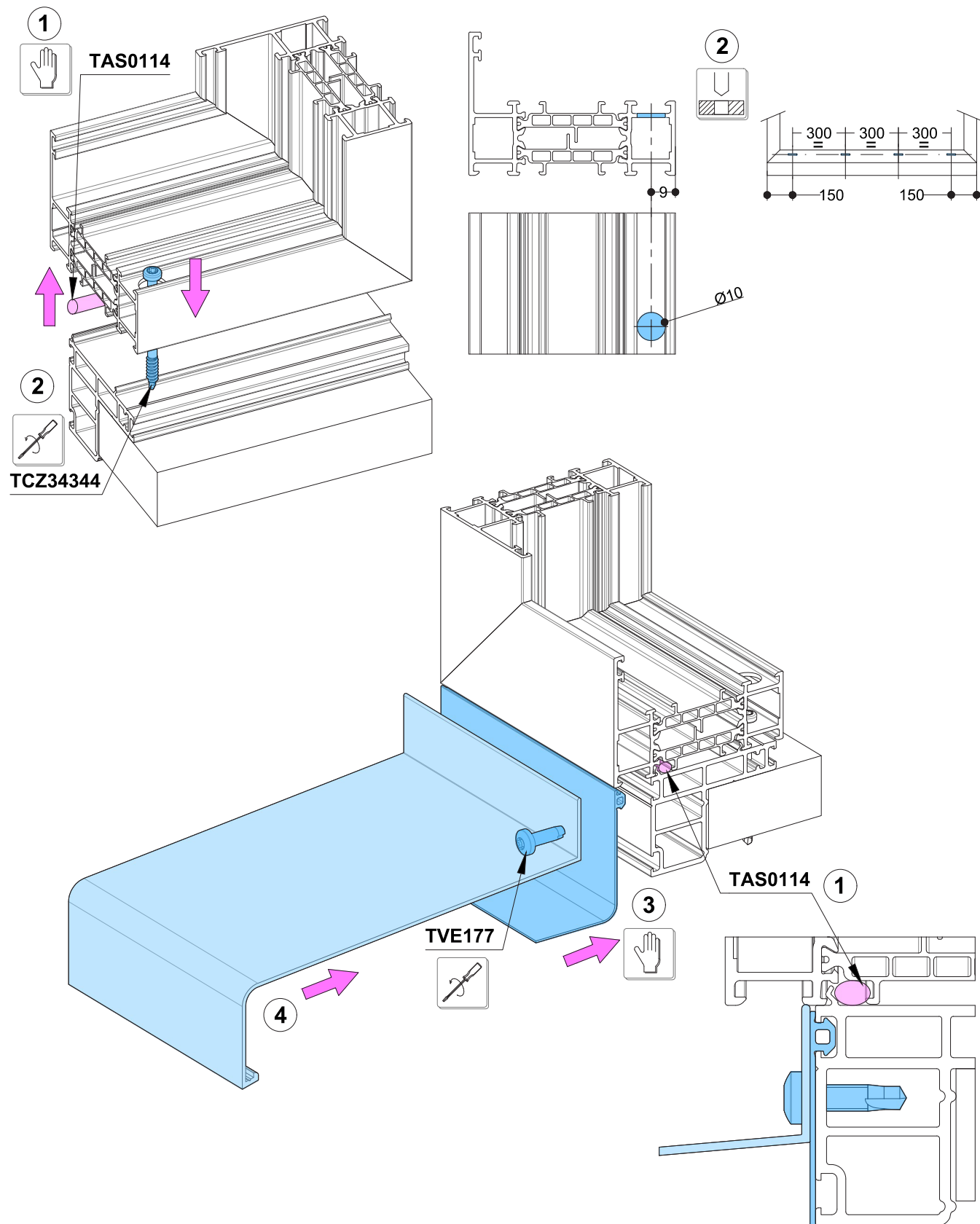
	
 TCZ47465	W
 TCZ50031	W+330
 TAS0114	W
 TCZ34344	-
 TVE177	W/330
 TCZ34344	W/330

BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL AND CILL

Machining and assembly

- 1 - Put sealing cord TAS0114 in this area.
- 2 - Machining detail and holes distribution for fixing screws.
- 3 - Fit the membrane by clipping onto the pre-frame profile.
- 4 - Screw the flap over the membrane.

DIG-0004888 Rev. A



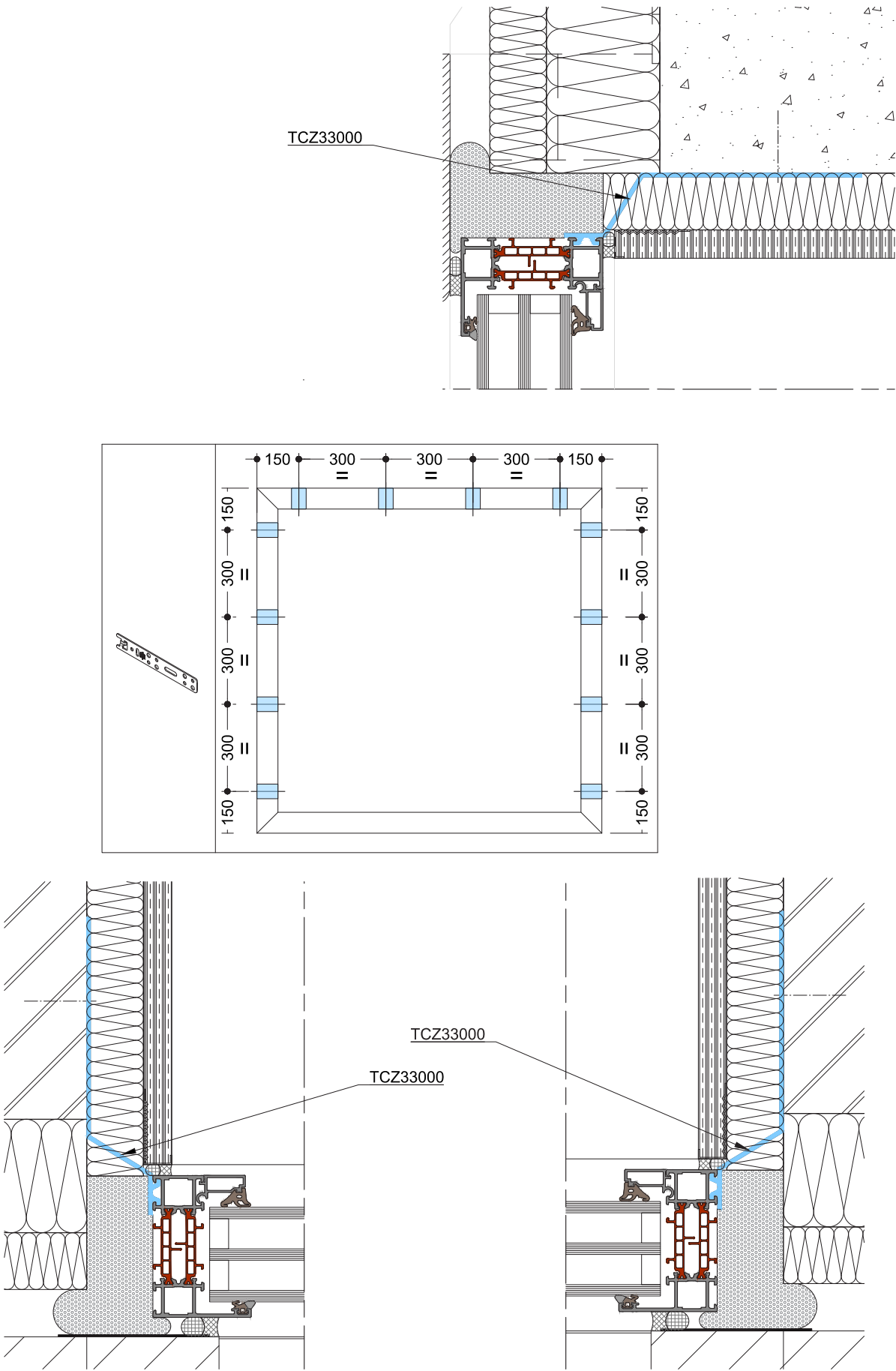
BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL AND CILL

Building connection - Charts

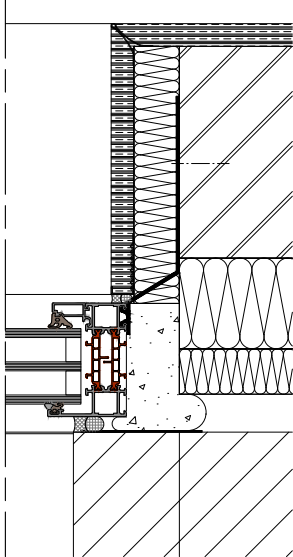
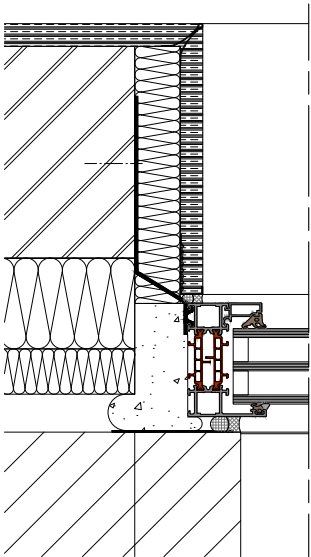
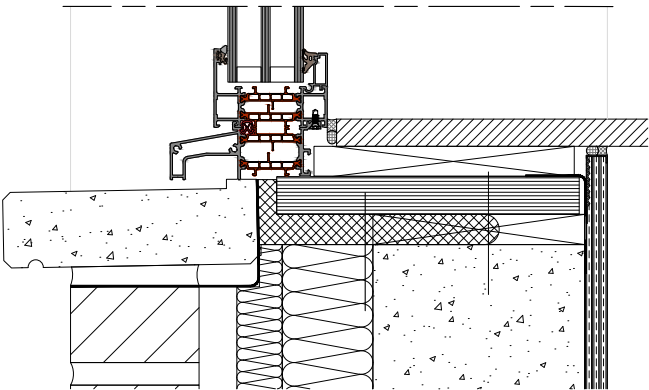
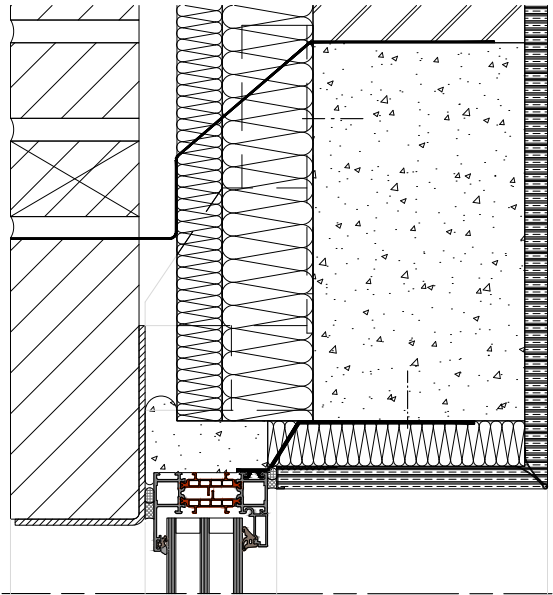
DIG-0004781 Rev. A

TECHNAL®

D
EXTERNAL POSITIONING



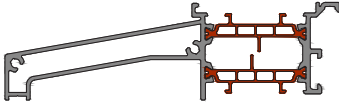
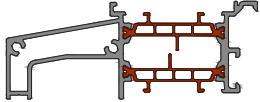
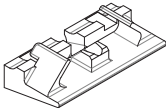
BEHIND WALL FINISH WITH TUBULAR SUB-CILL



BEHIND WALL FINISH WITH TUBULAR SUB-CILL

Design 75mm

DIG-0004850 Rev. A

	 TCZ17827	 TCZ17826
 TCZ32204	2	2
 TCZ50229	W	W
 TCZ34330	W/330	W/330

D
EXTERNAL POSITIONING

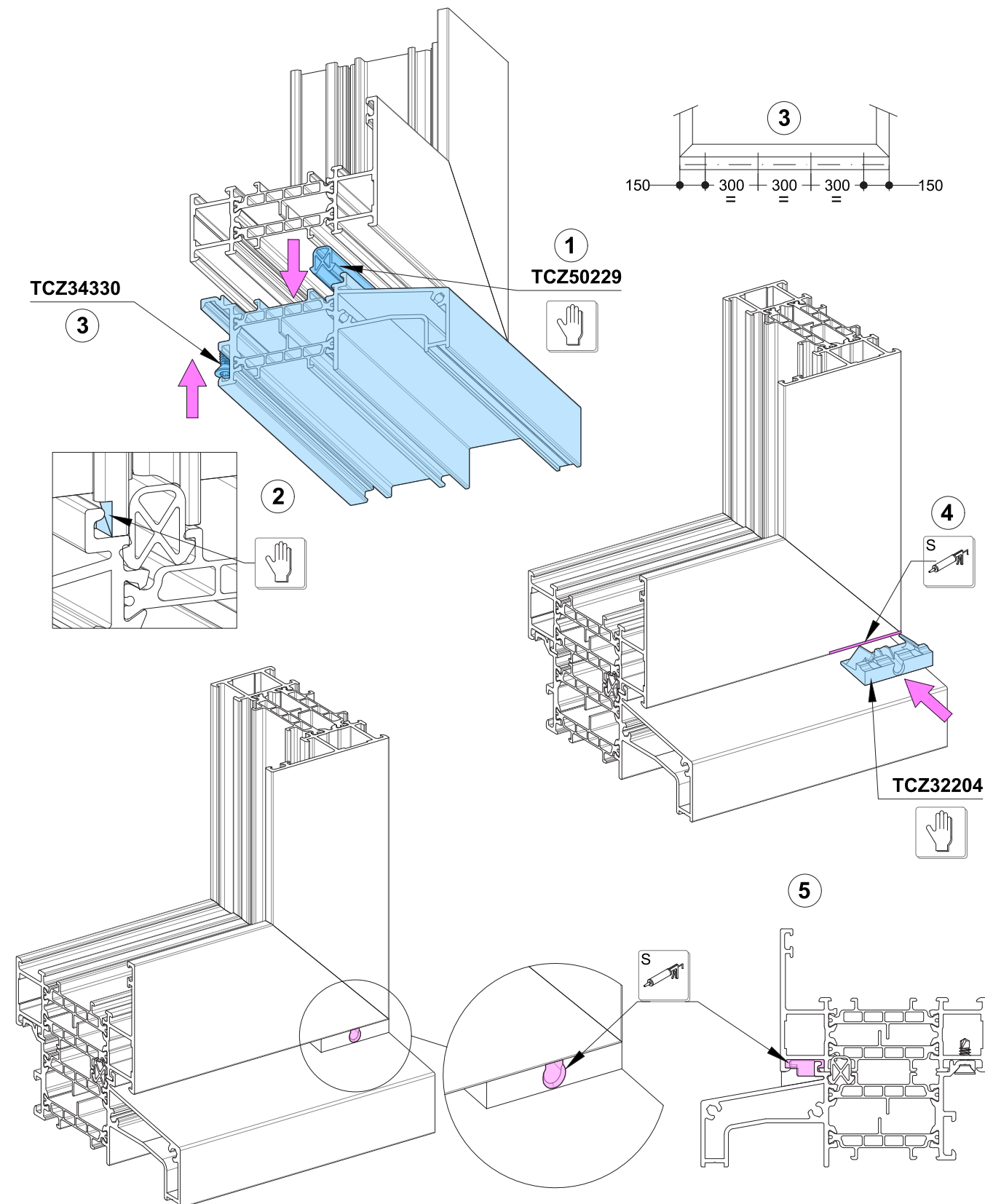
TECHNAL®

BEHIND WALL FINISH WITH TUBULAR SUB-CILL

Machining and assembly

- 1 - Mount the gasket into the frame groove before assembly.
- 2 - Put the renovation profile in position after degaged low horizontal transom groove with a saw.
- 3 - Holes distribution for fixing screws.
- 4 - Put a silicone line on the profile before the cap mounting.
- 5 - Mount the end cap and sealing it.

DIG-0004877 Rev. A



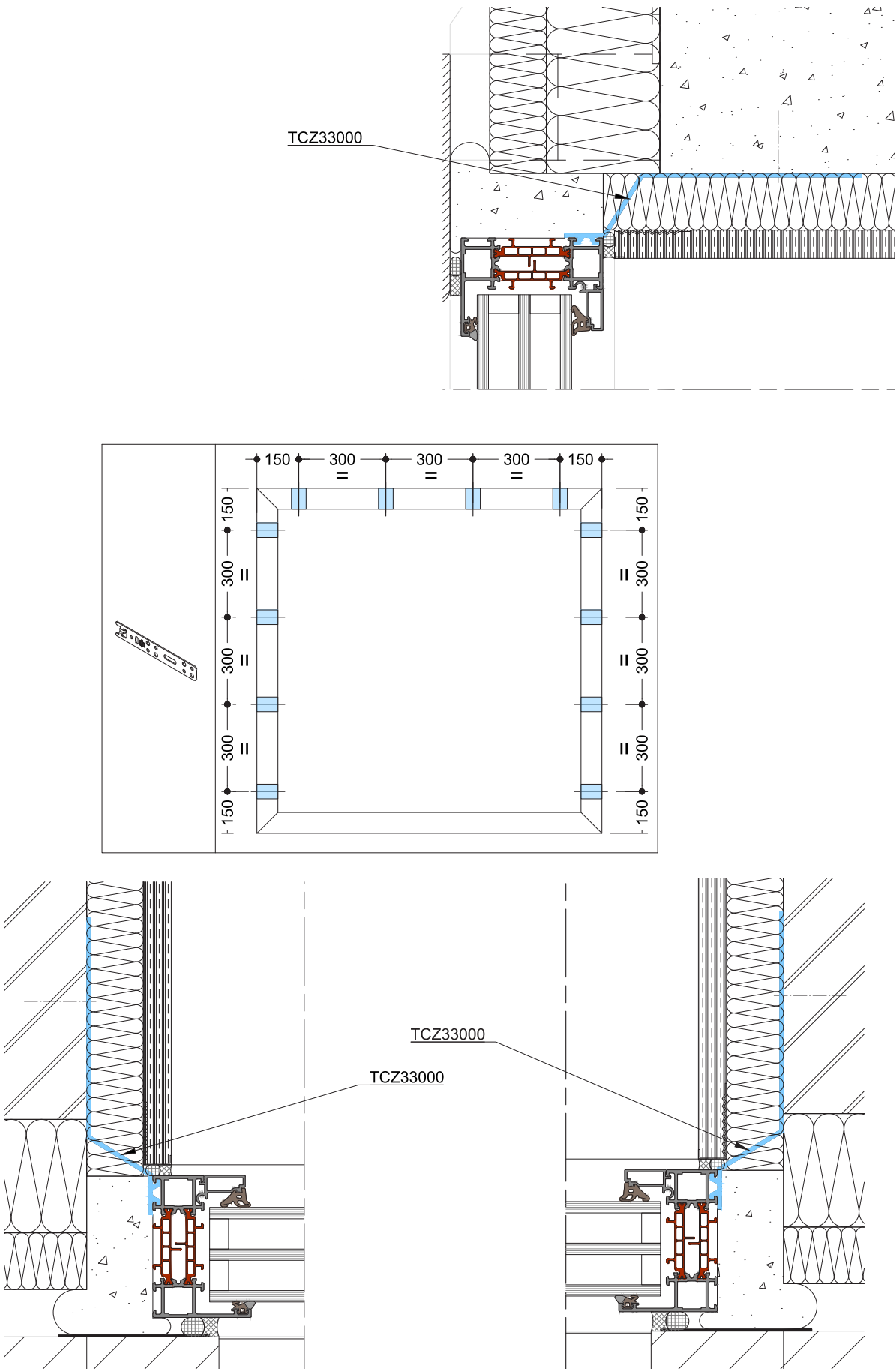
BEHIND WALL FINISH WITH TUBULAR SUB-CILL

Building connection

DIG-0004788 Rev. A

TECHNAL®

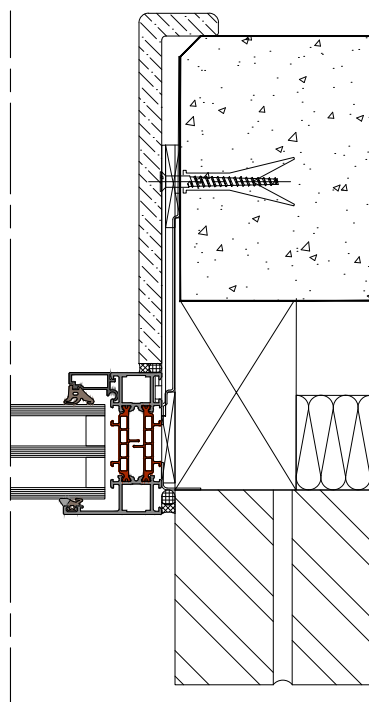
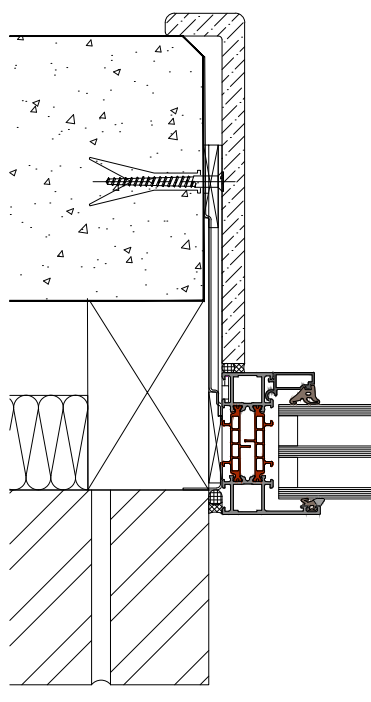
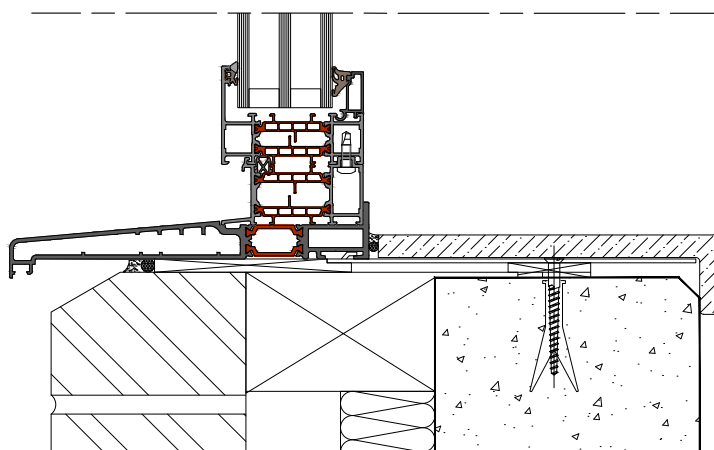
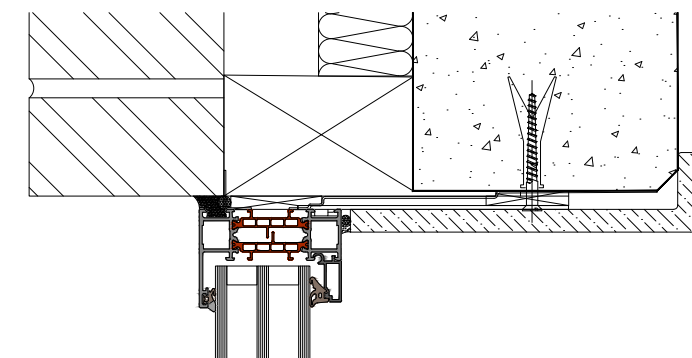
D
EXTERNAL POSITIONING



ON PRE-FRAME WITH TUBULAR SUB-CILL

Residential installation - Principle section

DIG-0005104 Rev. A

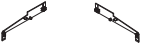


ON PRE-FRAME WITH TUBULAR SUB-CILL

Design 75mm - Residential installation

DIG-0005146 Rev. A

TECHNAL®

	 TCZ17676	 TCZ17673	 TCZ17675	 TCZ17108
 TCZ34248	4			
 TGD3702				4
 TAY3700	1	1	1	4
 TCZ32109	W/330	W/330	W/330	
 TCZ32110	2			
 TCZ31987	1	1	1	
 TCZ33162	W/330	W/330	W/330	
 TCZ32102 TCZ32103		2		
 TCZ31989		2	2	
 TCZ32106 TCZ32107			2	
 TCZ33096				W/330
 TCZ31152				1
 TCZ31156				2
 TCZ31154				1
 TCZ31155				1
 TCZ34816				6
 TAY0046				W/330

D

EXTERNAL POSITIONING

ON PRE-FRAME WITH TUBULAR SUB-CILL

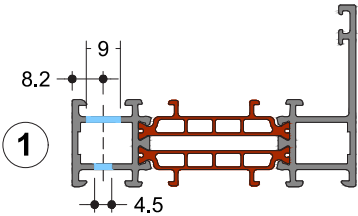
TECHNICAL

Machining & assembly - Fixation of frame

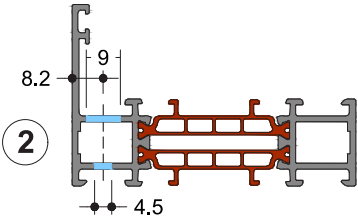
DIG-0005120 Rev. A

Assembly on subcills:
TCZ17108 - TCZ17673
- TCZ17674 - TCZ17675 -
TCZ17676

1 - Outside glazing

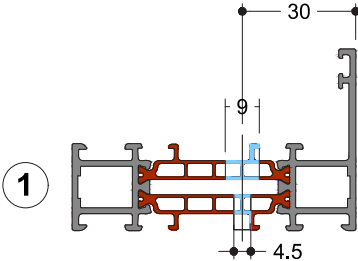


2 - Inside glazing

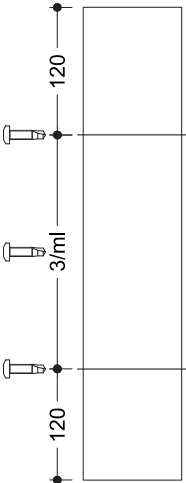
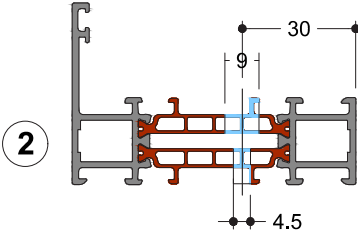


Machining of frame for direct fixing

1 - Outside glazing



2 - Inside glazing



EXTERNAL POSITIONING

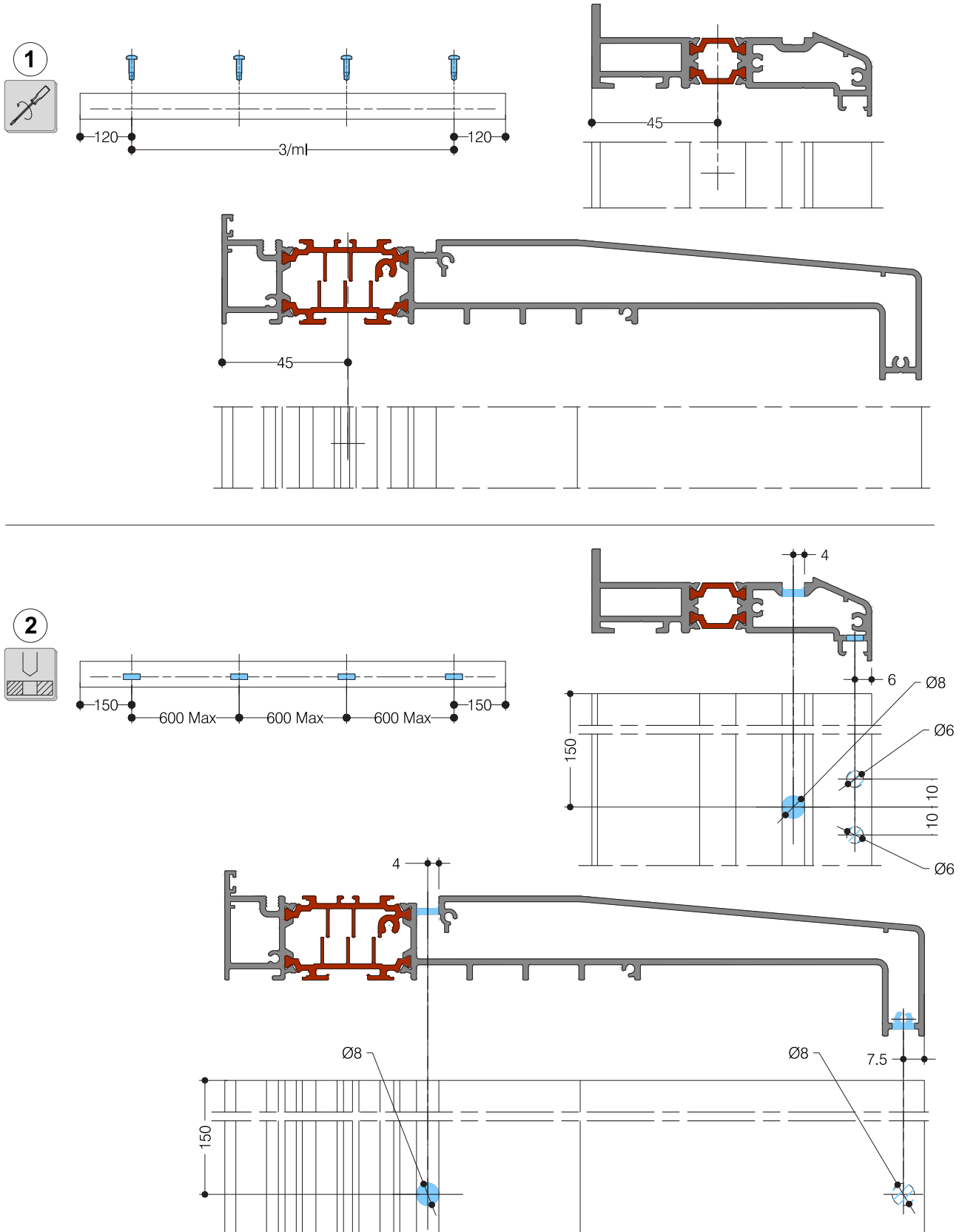
Machining and assembly - Fixation and drainage

The preparation presented is intended for direct attachment and drainage of the subcomponents to the structure.
The diameter of the holes is specific to the need.

1 - One screw at 120 mm from each end, then 3/Lm.

2 - One pre-drilled hole at 150 mm from each end, then every 600 mm maximum.

DIG-0003017 Rev. A



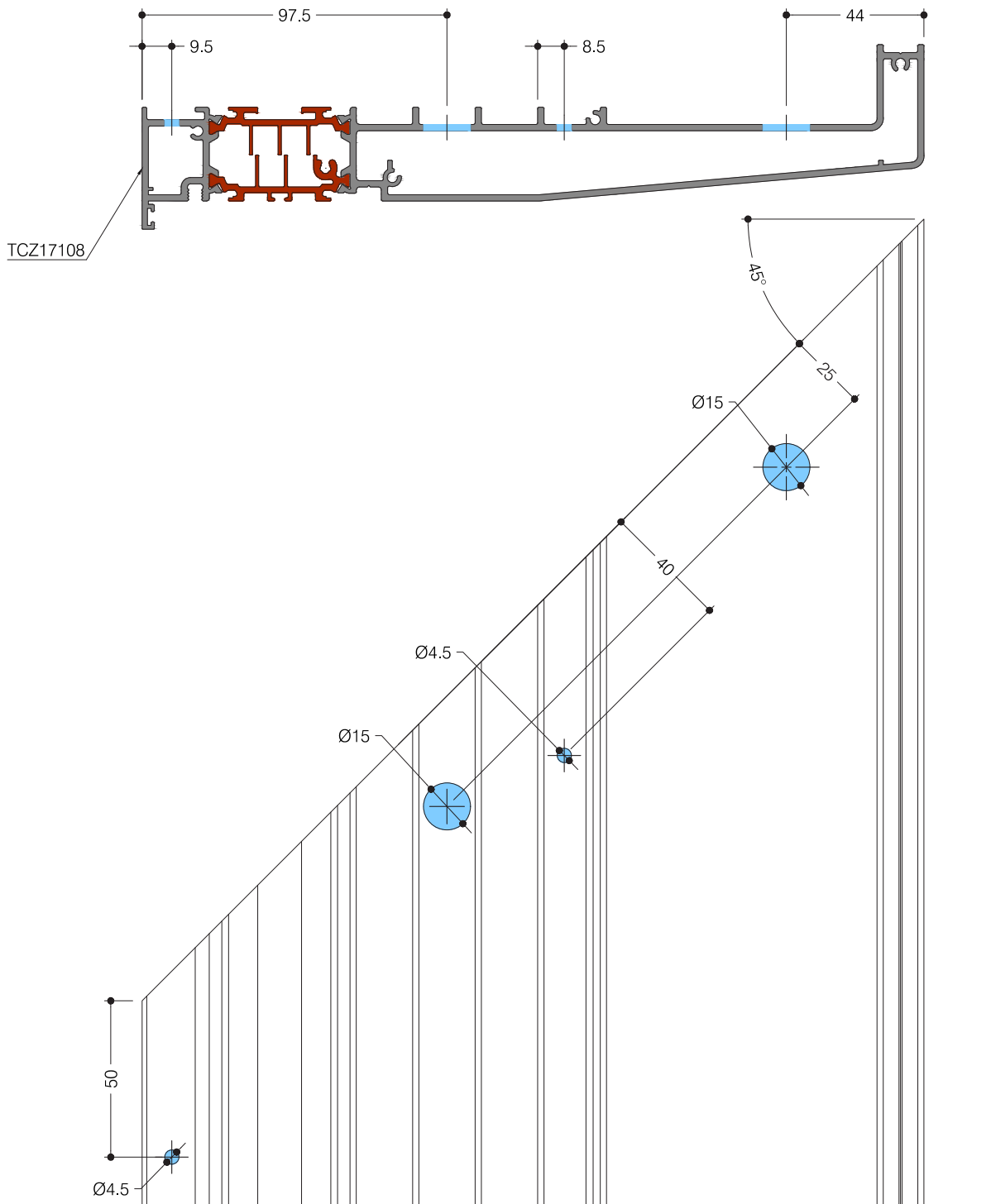
ON PRE-FRAME WITH TUBULAR SUB-CILL

Machining & assembly - corner connection

Both assembled profiles are machined

The machining is applicable for angled corner joints from 90° external to 90° internal. Typical 90° external corner joint shown.

DIG-0005121 Rev. A

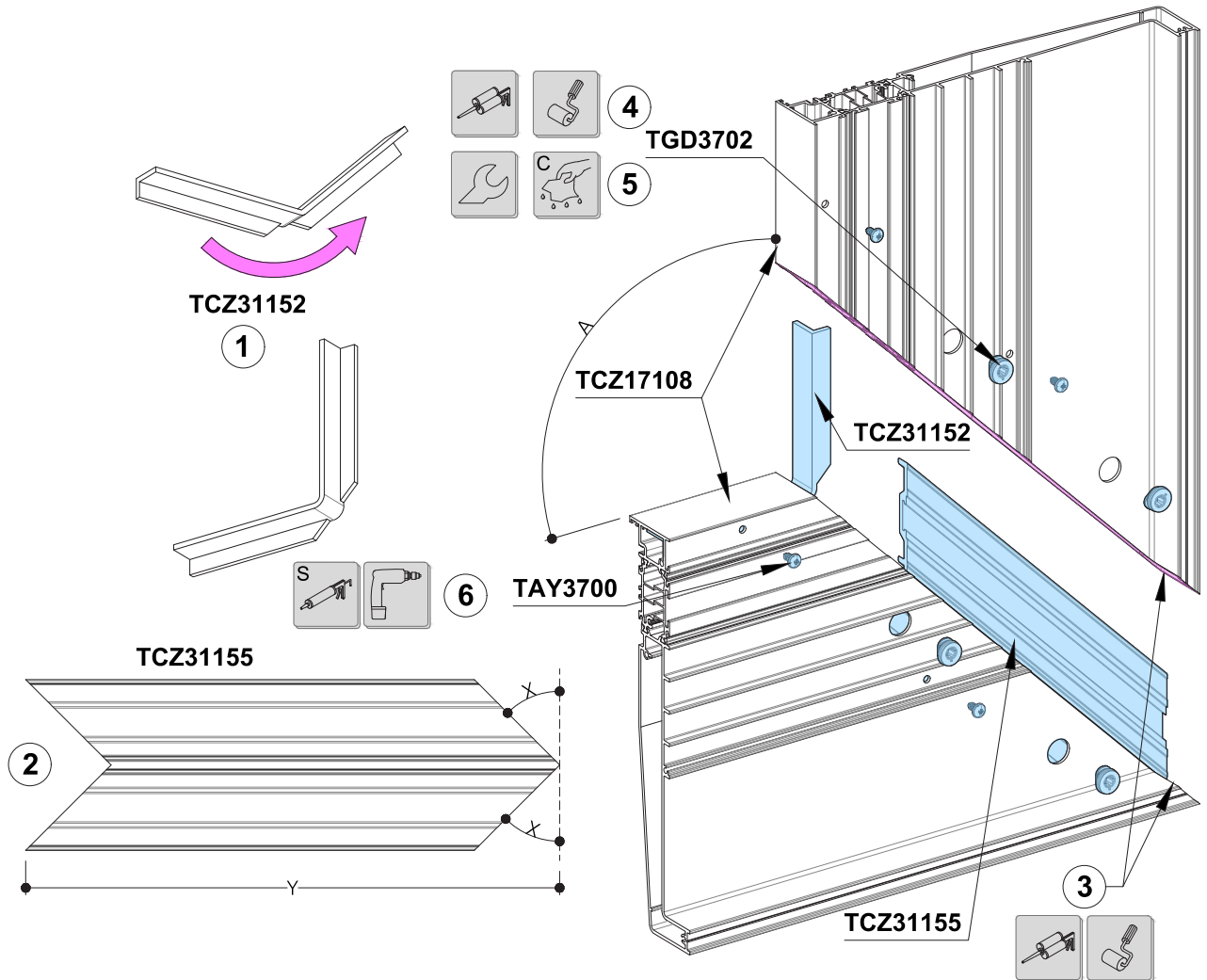


ON PRE-FRAME WITH TUBULAR SUB-CILL

Machining & assembly - corner connection

TECHNAL®

DIG-0005124 Rev. A



D
EXTERNAL POSITIONING

A	90°	91°	92°	93°	94°	95°	96°	97°	98°	99°
X	45°	44.5°	44°	43.5°	43°	42.5°	42°	41.5°	41°	40.5°
Y (mm)	300	297	294	291	288	285.5	283	280	277.5	275
A	100°	101°	102°	103°	104°	105°	106°	107°	108°	109°
X	40°	39.5°	39°	38.5°	38°	37.5°	37°	36.5°	36°	35.5°
Y (mm)	272.5	270.5	268	265.5	263.5	261	259	257	255	253
A	110°	111°	112°	113°	114°	115°	116°	117°	118°	119°
X	35°	34.5°	34°	33.5°	33°	32.5°	32°	31.5°	31°	30.5°
Y (mm)	251	249	247	245	243.5	241.5	240	238	236.5	235
A	120°	121°	122°	123°	124°	125°	126°	127°	128°	129°
X	30°	29.5°	29°	28.5°	28°	27.5°	27°	26.5°	26°	25.5°
Y (mm)	233	231.5	230	228.5	227	225.5	224	223	221.5	220
A	130°	131°	132°	133°	134°	135°	136°	137°	138°	
X	25°	24.5°	24°	23.5°	23°	22.5°	22°	21.5°	21°	
Y (mm)	219	217.5	216	215	213.5	212.5	211.5	210	209	

1 - Machining for variable corner cleat.
2 - Machining for fix corner cleats 150°, 135°, 90°.

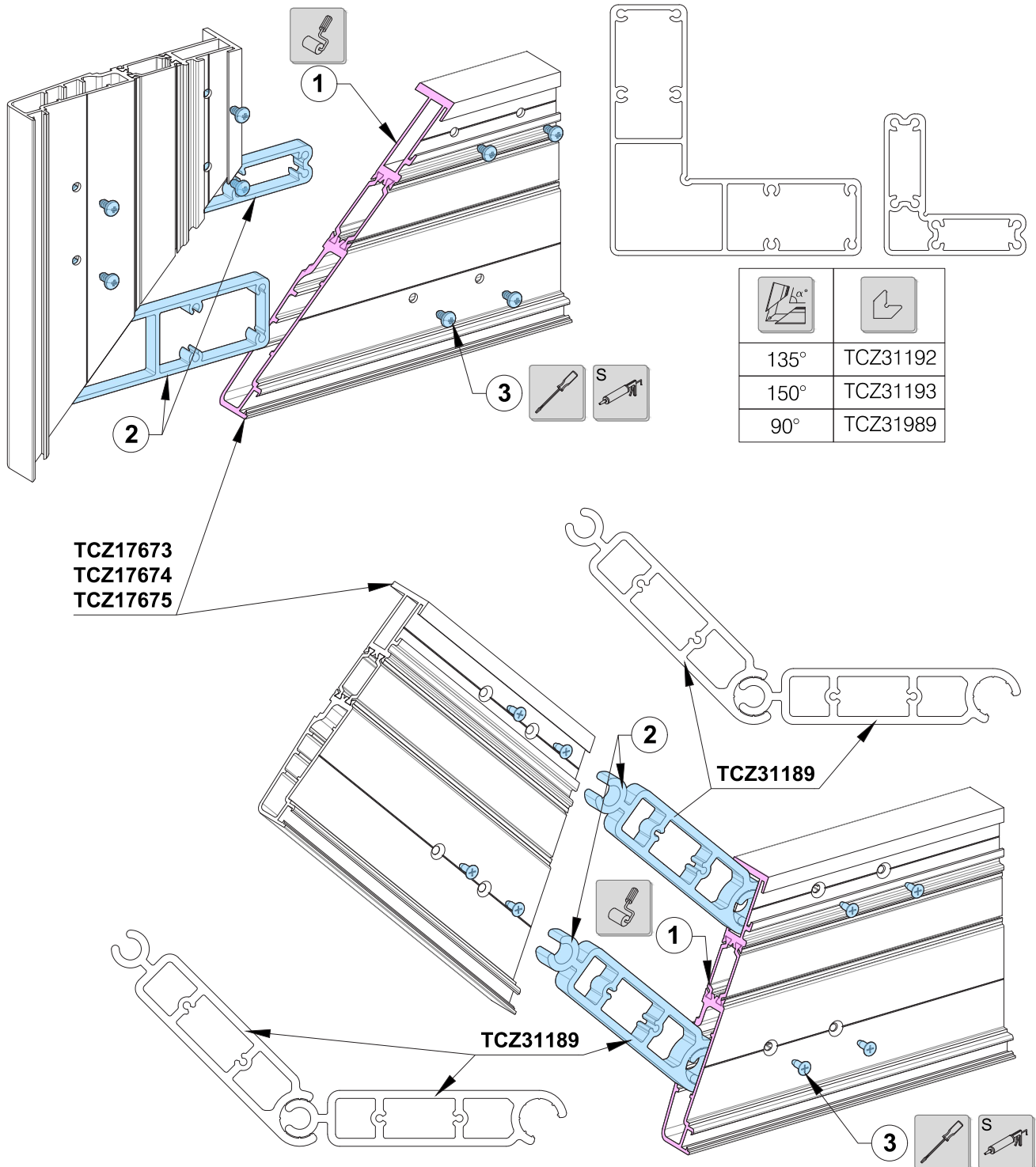
[illegible]

ON PRE-FRAME WITH TUBULAR SUB-CILL

Machining & assembly - corner connection

- 1 - Apply the glue on mitre cut.
- 2 - Insert the corner cleat.
- 3 - Fix the screw with sealant under the heads.

DIG-0005125 Rev. A



TCZ17673
TCZ17674
TCZ17675

TCZ31189

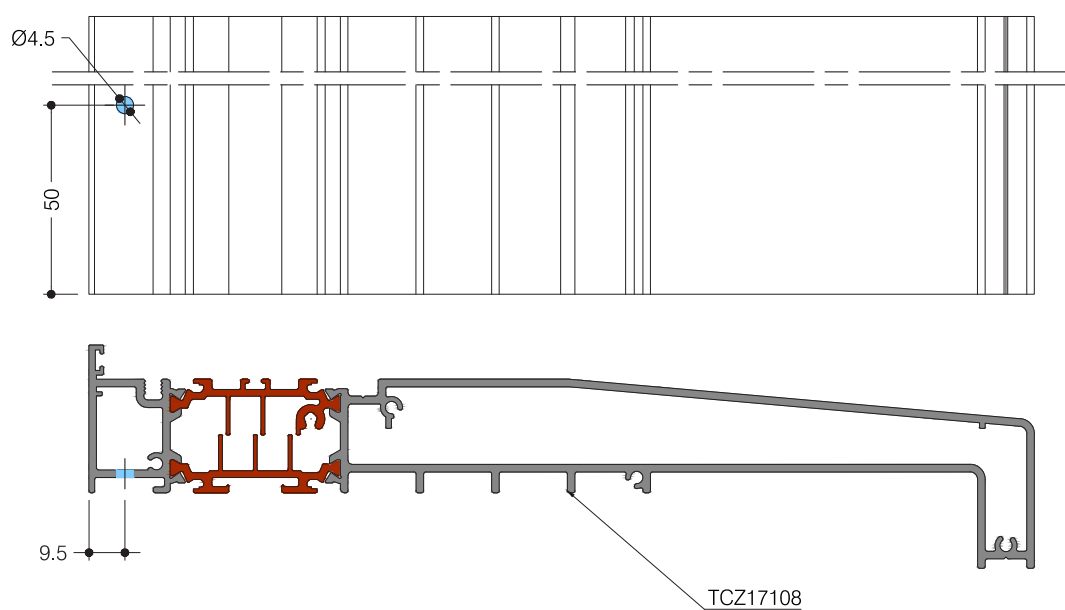
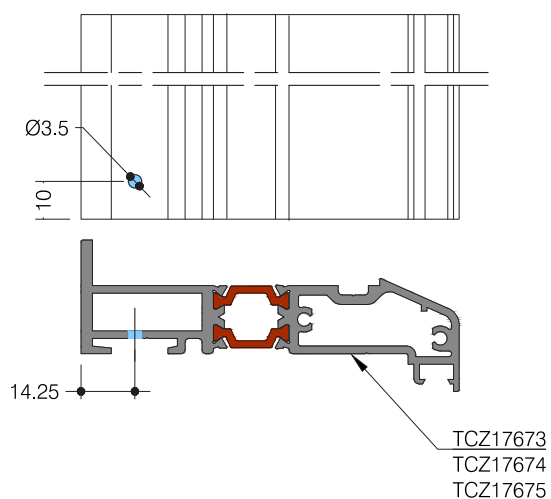
TCZ31189

ON PRE-FRAME WITH TUBULAR SUB-CILL

Machining & assembly - Expansion

Only one of the two assembled profiles is machined.

DIG-0005126 Rev. A



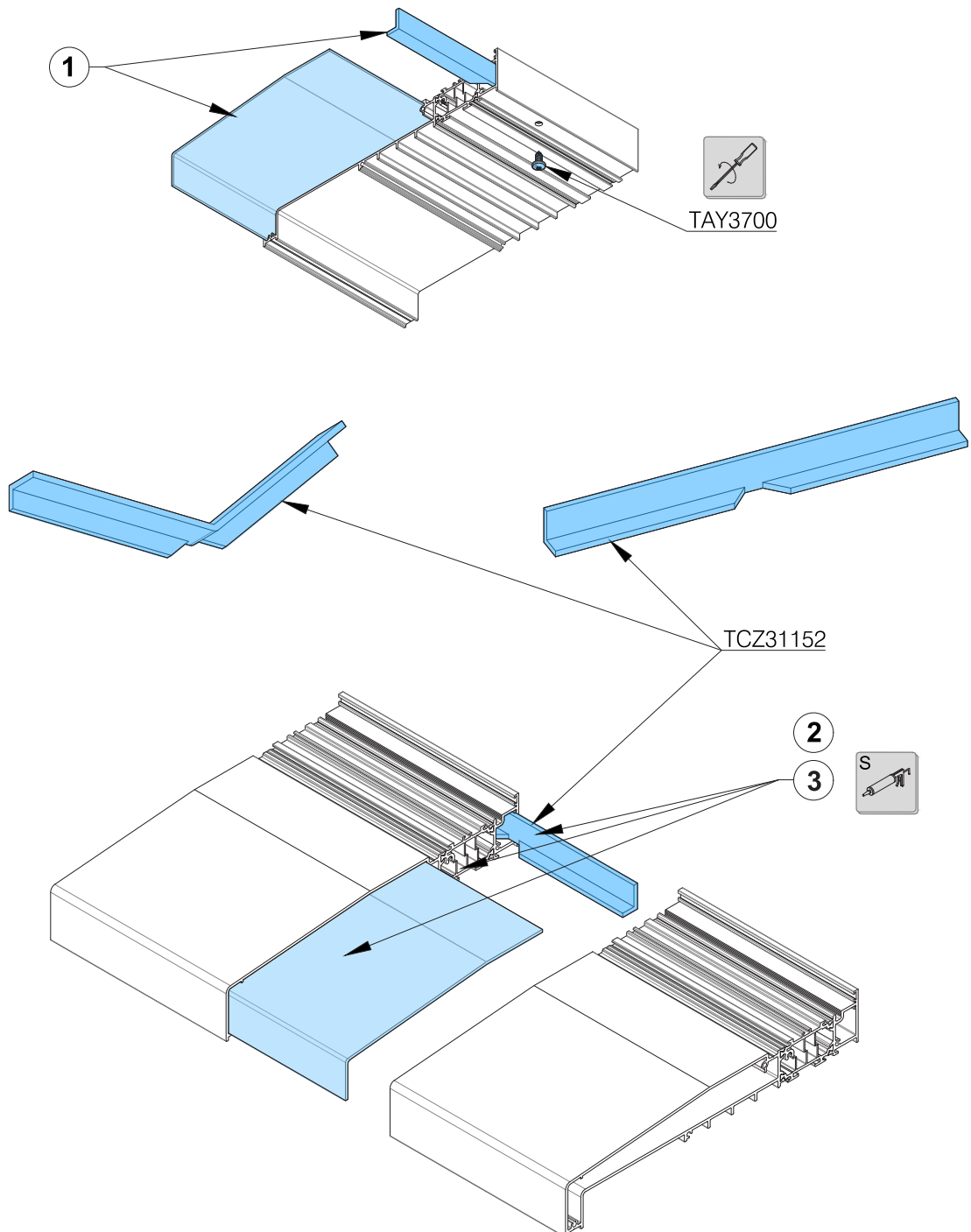
ON PRE-FRAME WITH TUBULAR SUB-CILL

Machining & assembly - Expansion

Wherever a cill exceeds 5m in length, an allowance must be made for thermal expansion.

- 1 - Insert of 100mm and Fix the bracket into the cill. used the TAY3700 screw.
- 2 - Add foam backing strip on the cavities of both subcills.
- 3 - File fully of silicone sealant all cavities with hardwares.
- 4 - Just before the subcills assembly remove the excess sealant and put thin layer of fresh sealant.
- 5 - File fully of silicone sealant, the end cavity of other cill.
- 6 - Assembly both subcills together and keep a 10mm gap between both subcill.
- 7 - Silicone seal the joint between both cills and tool to give a smooth appearance.

DIG-0005132 Rev. A



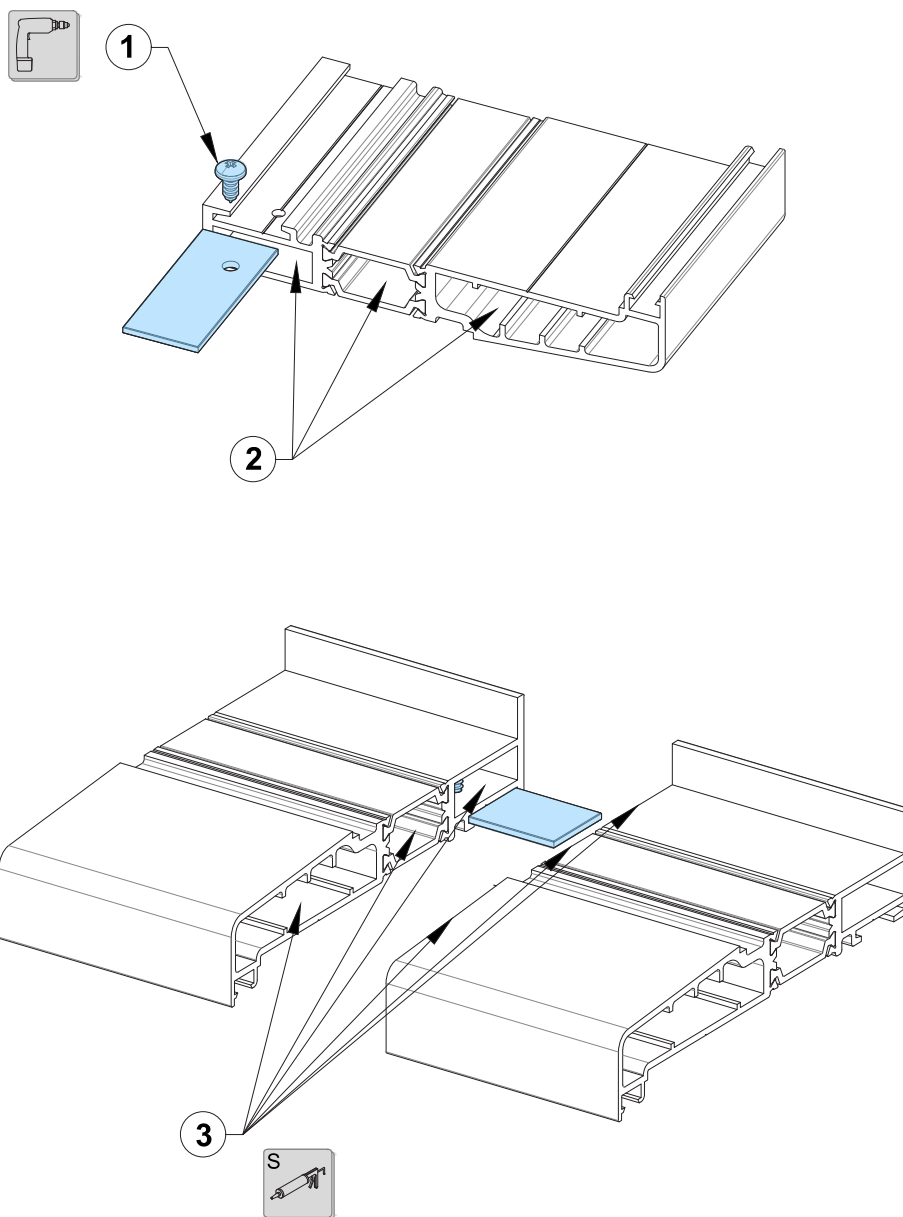
ON PRE-FRAME WITH TUBULAR SUB-CILL

Machining & assembly - Expansion

Wherever a cill exceeds 5m in length, an allowance must be made for thermal expansion.

- 1 - Fixe the plate on the one subcill. used the TAY3700 screw.
- 2 - Add foam backing strip on the cavits of both subcills.
- 3 - File fully of silicone sealant all cavites.
- 4 - Just before the subcills assembly remove the excess sealant.
- 5 - Assembly both subcills together and keep a 10mm gap between both subcill.
- 6 - Silicone seal the joint between both cills and tool to give a smooth appearance.

DIG-0005133 Rev. A



ON PRE-FRAME WITH TUBULAR SUB-CILL

Building connection - Residential installation



: Need to follow the local regulation

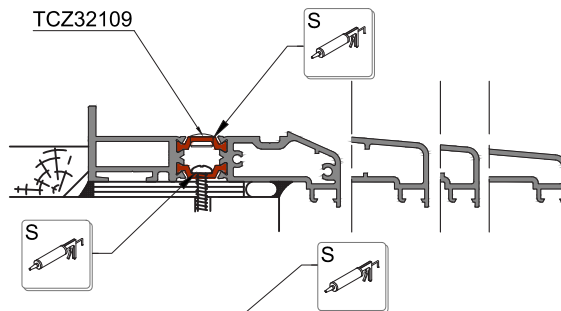
DIG-0005135 Rev. A

TECHNAL®

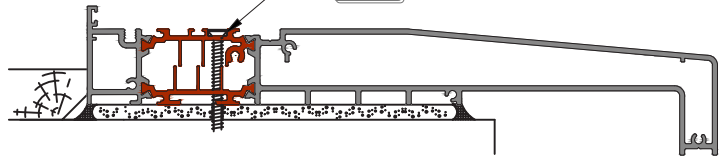
D

EXTERNAL POSITIONING

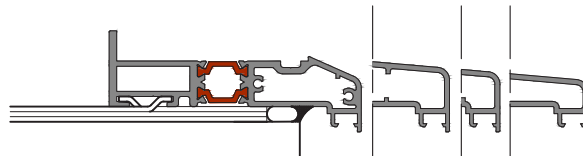
TCZ17673 - TCZ17674 -
TCZ17675 - TCZ17676



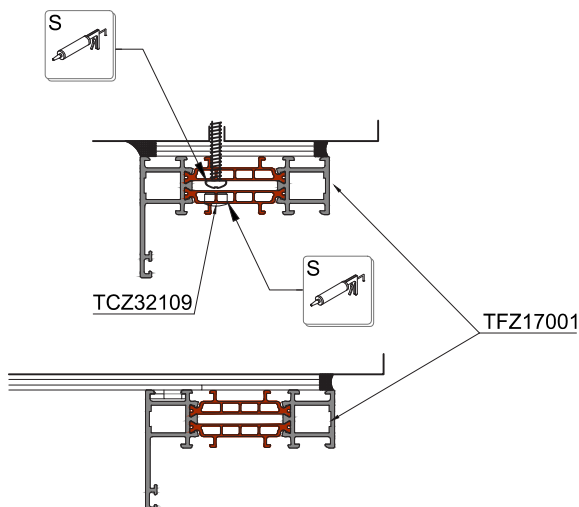
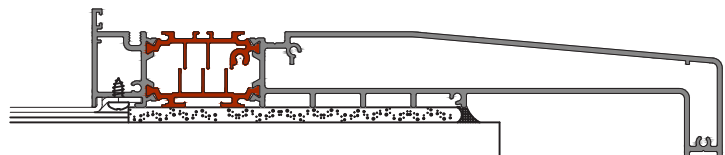
TCZ17108



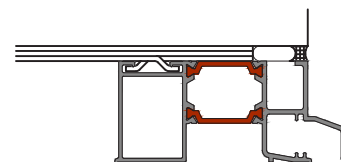
TCZ17673 - TCZ17674 -
TCZ17675 - TCZ17676



TCZ17108



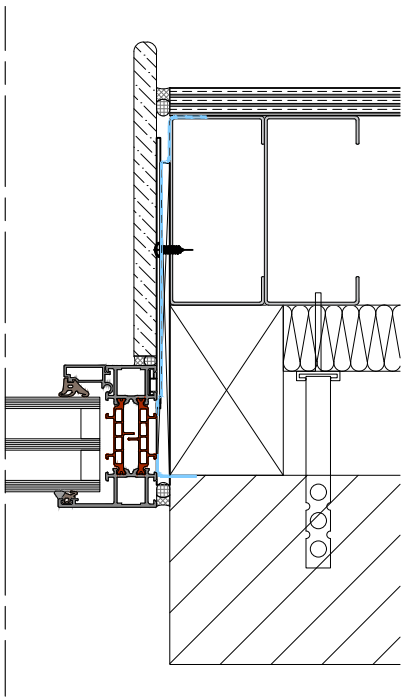
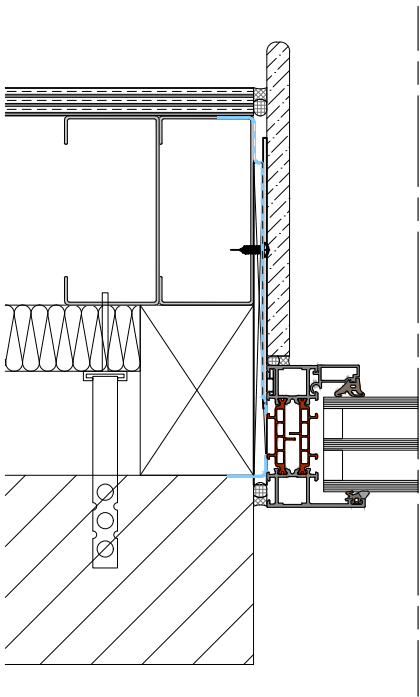
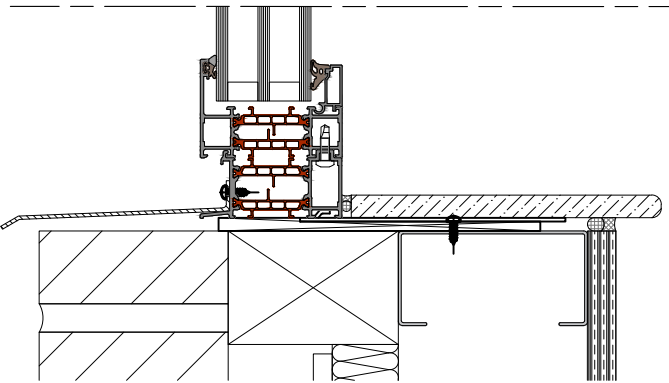
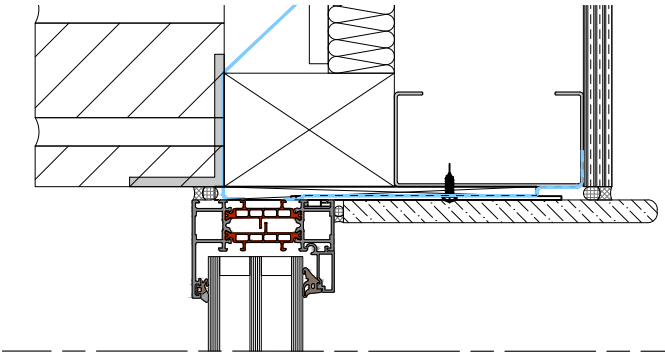
TFZ17900 - TFZ17901



ON PRE-FRAME WITH SUB-CILL AND CILL

Commercial installation - Principle section

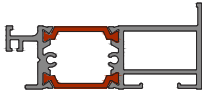
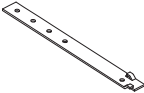
DIG-0005134 Rev. A



ON PRE-FRAME WITH SUB-CILL AND CILL

Design 75mm - Commercial installation

DIG-0005147 Rev. A

	 TCZ17081
 TCZ34248	4
 TCZ50041	W
 TCZ32109	W/330
 TCZ32108	2
 TCZ33162	W/330

ON PRE-FRAME WITH SUB-CILL AND CILL

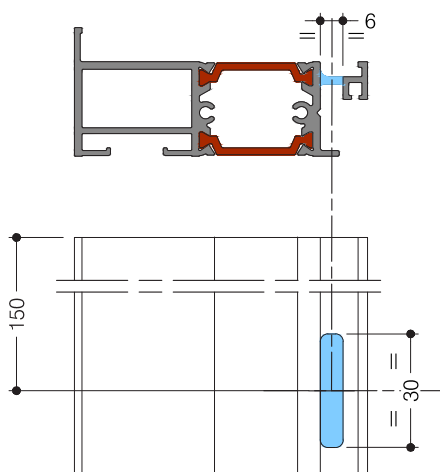
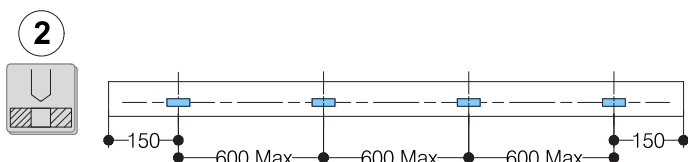
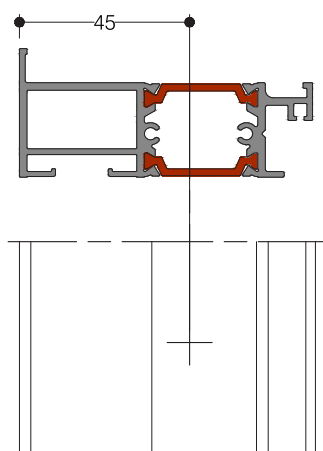
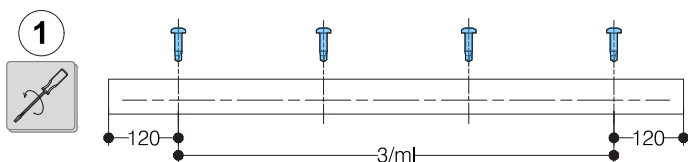
Machining and assembly - Fixation and drainage

The preparation shown is for direct fixing and drainage of the subcill.

Hole size are job specific.

One preparation 150 mm from each end, and then at 600 mm maximum centres.

DIG-0003018 Rev. A



ON PRE-FRAME WITH SUB-CILL AND CILL

Machining & assembly - Fixation of frame

Assembly on subcill :
TCZ17081

DIG-0005138 Rev. A

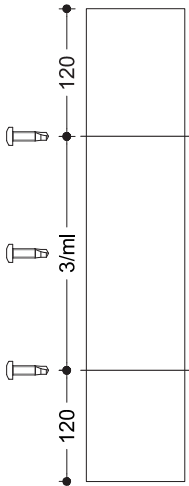
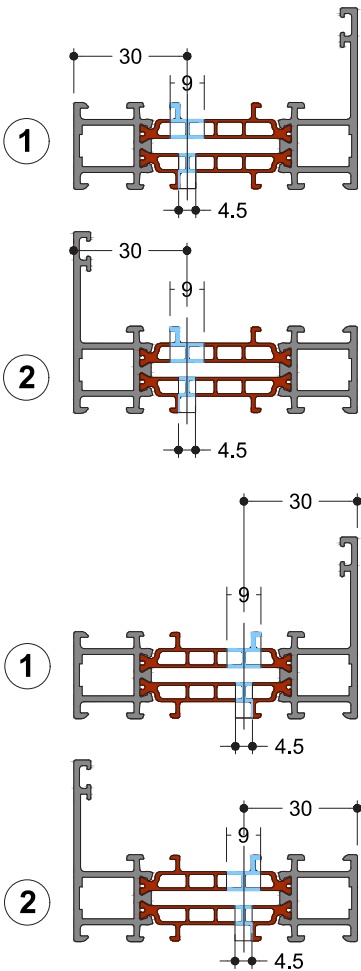
1 - Outside glazing

2 - Inside glazing

Machining of frame for direct
fixing

1 - Outside glazing

2 - Inside glazing

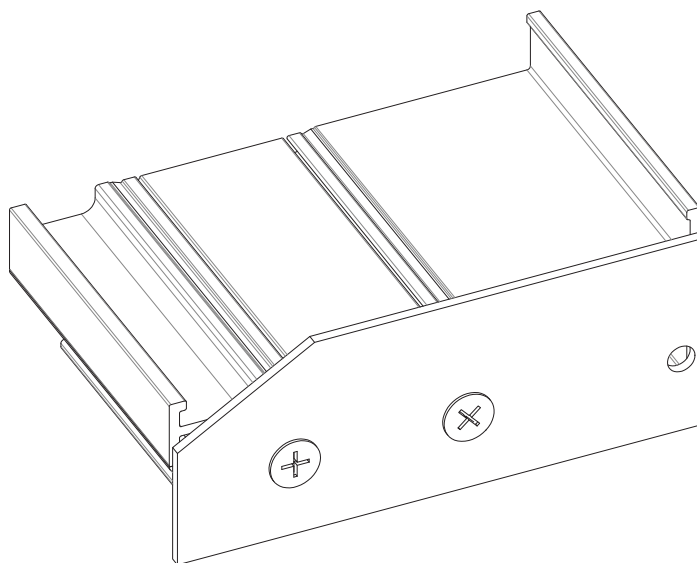
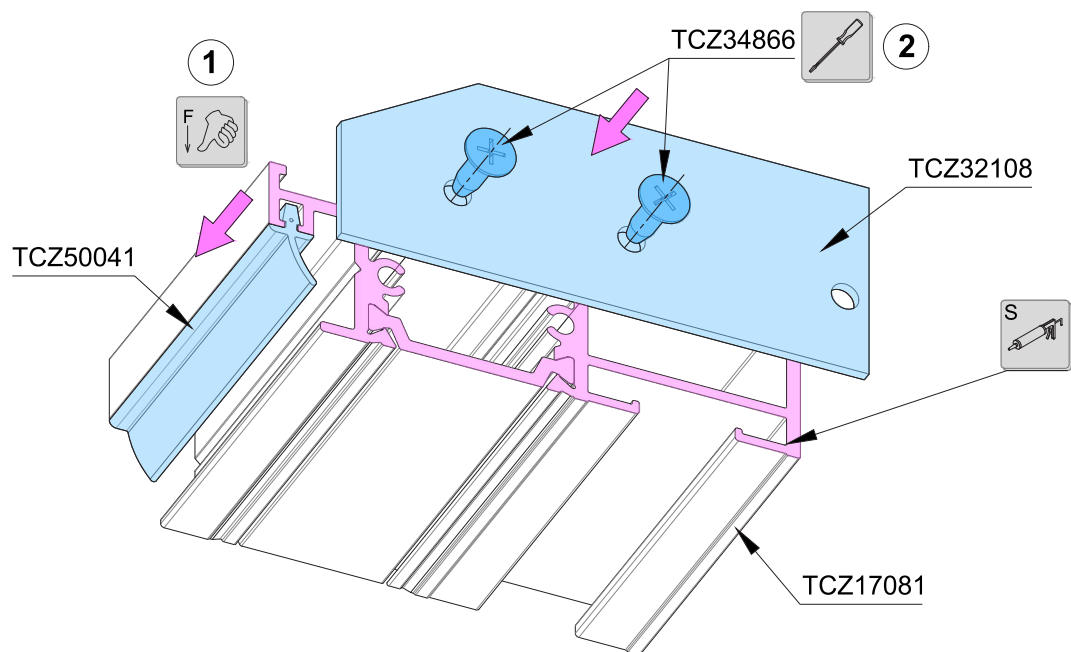


ON PRE-FRAME WITH SUB-CILL AND CILL

Machining and assembly - Sealing

- 1 - Insert the flipper seal TCZ50041 in the profil.
- 2 - Apply silicone to the edge of the profile.
- 3 - Screw the subcill end stop TCZ32108 at the end of the profil with 2 screws TCZ34866.

DIG-0009245 Rev. A

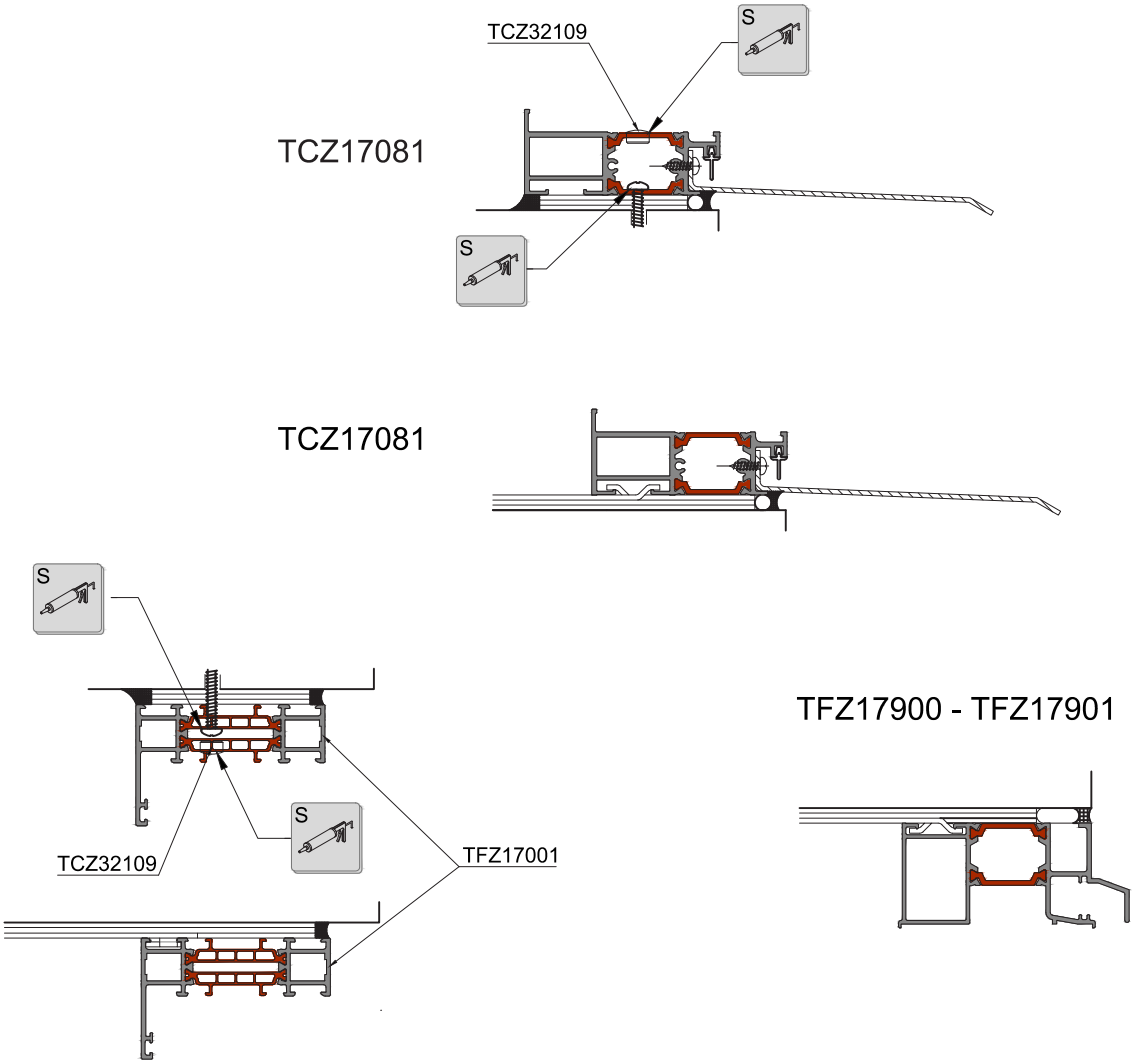


ON PRE-FRAME WITH SUB-CILL AND CILL

Building connection - Commercial installation

 : Need to follow the local regulation

DIG-0005136 Rev. A



BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL ON METAL SUPPORT

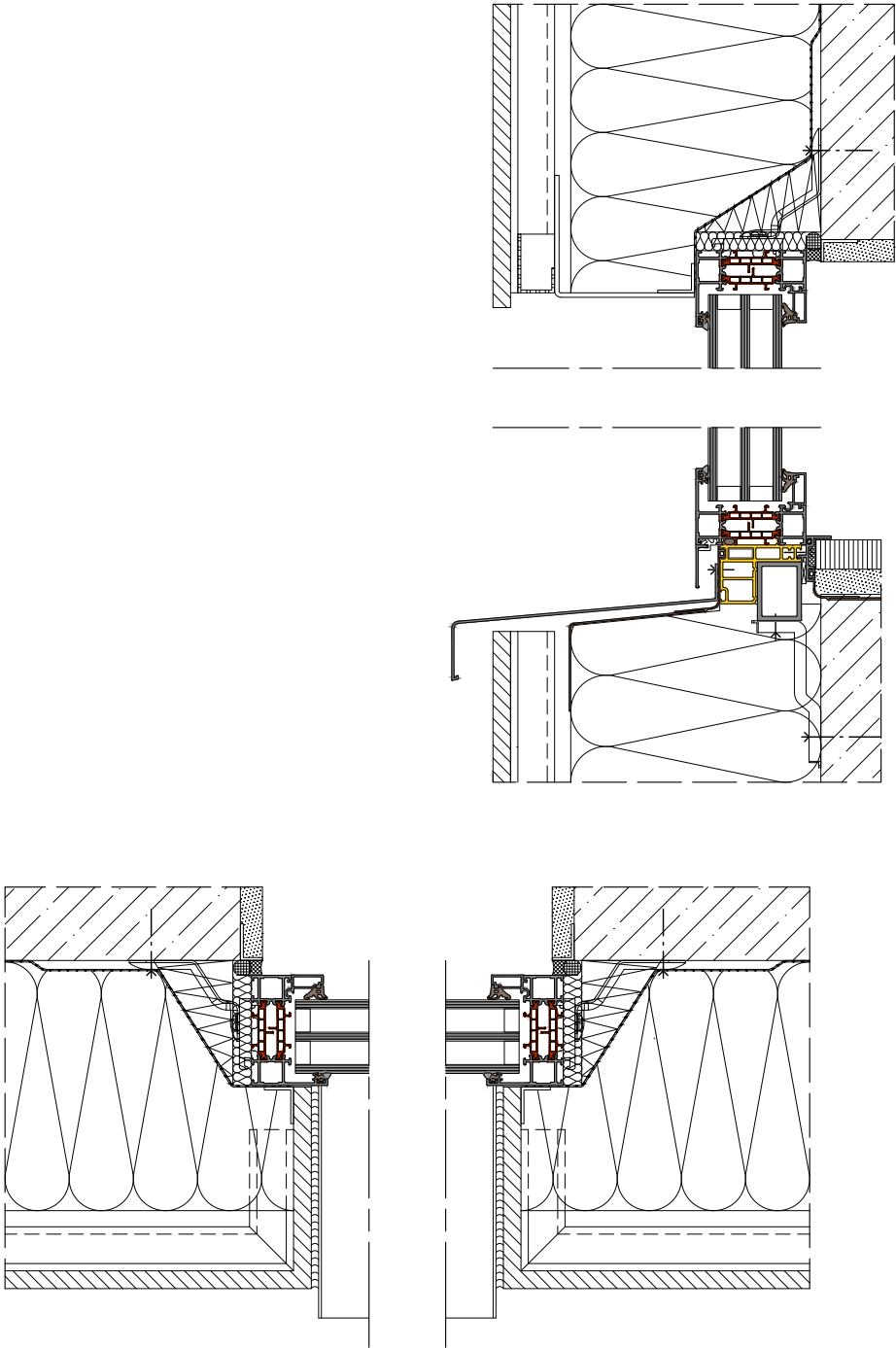
Principle section

DIG-0007568 Rev. A

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D

EXTERNAL POSITIONING

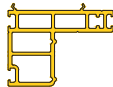
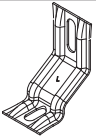


BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL ON METAL SUPPORT

Design

 : Refer to cill offer for complete cill offering see chapter “other solutions”, sub chapter “cills and accessories”

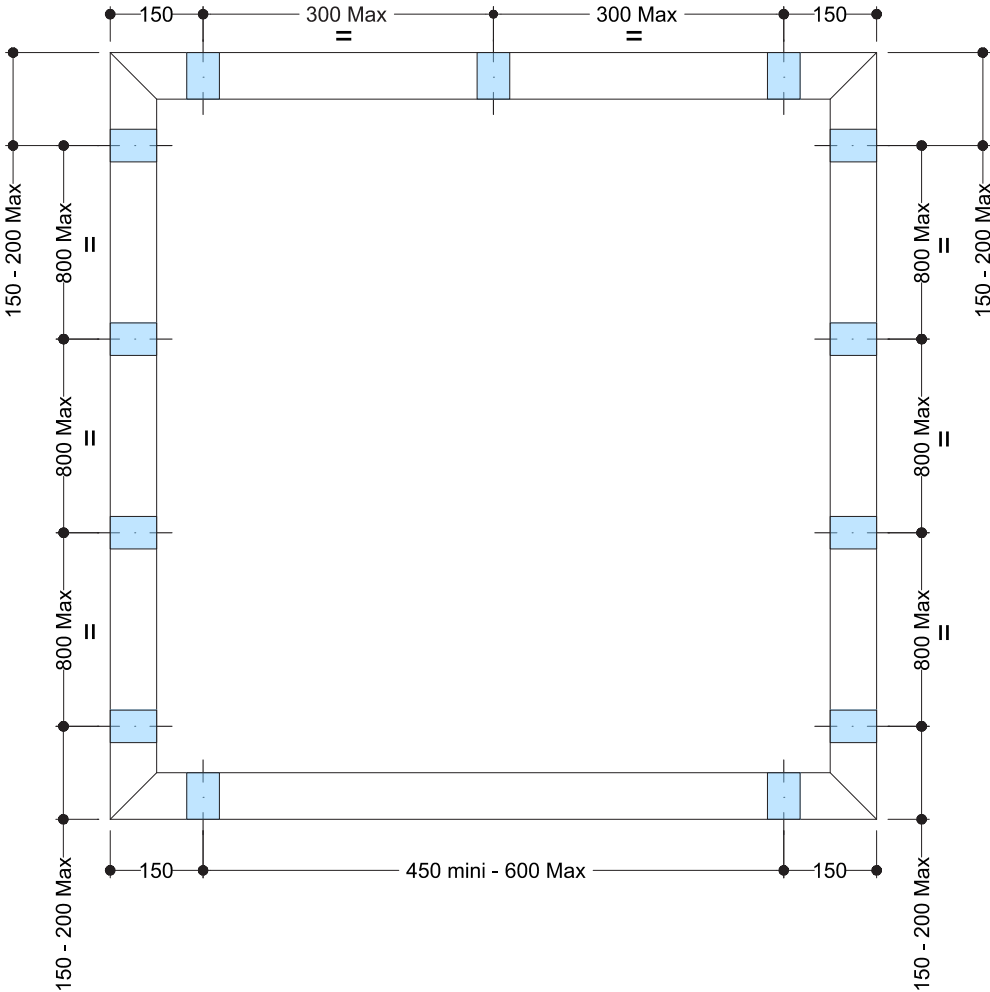
DIG-0007552 Rev. A

		65	75
 TCZ47465	W		
 TCZ46464	W		
 T700012	W/450 H/600		
 TCZ30001	W/450 H/600		
 TGY3853	W/450 H/600		
 XR40303	W		
 T591180	W		
 TFY3830	4 Im		
 TCZ20238	W		
 TCZ50117	W		
 TCZ50031	2 W		

BEHIND WALL FINISH WITH SYNTHETIC SUB-CILL ON METAL SUPPORT

Building connection

DIG-0007645 Rev. A



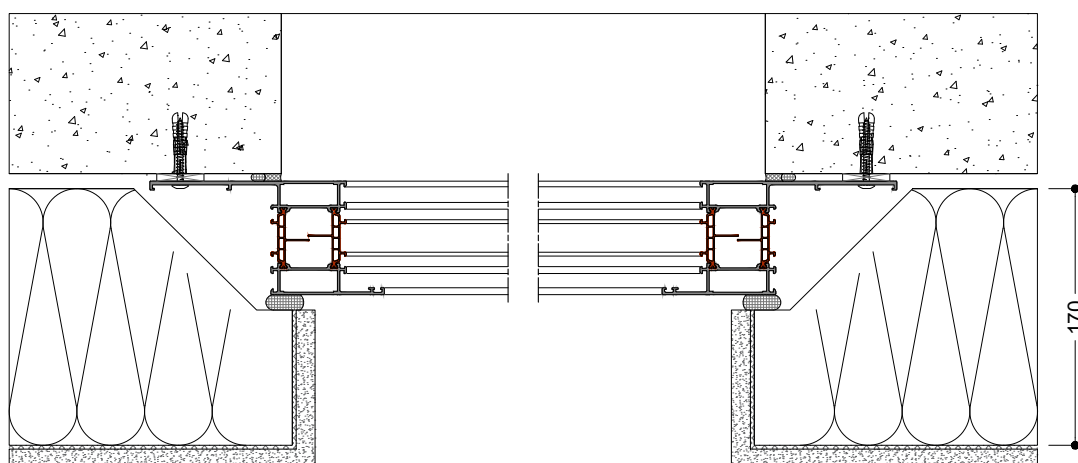
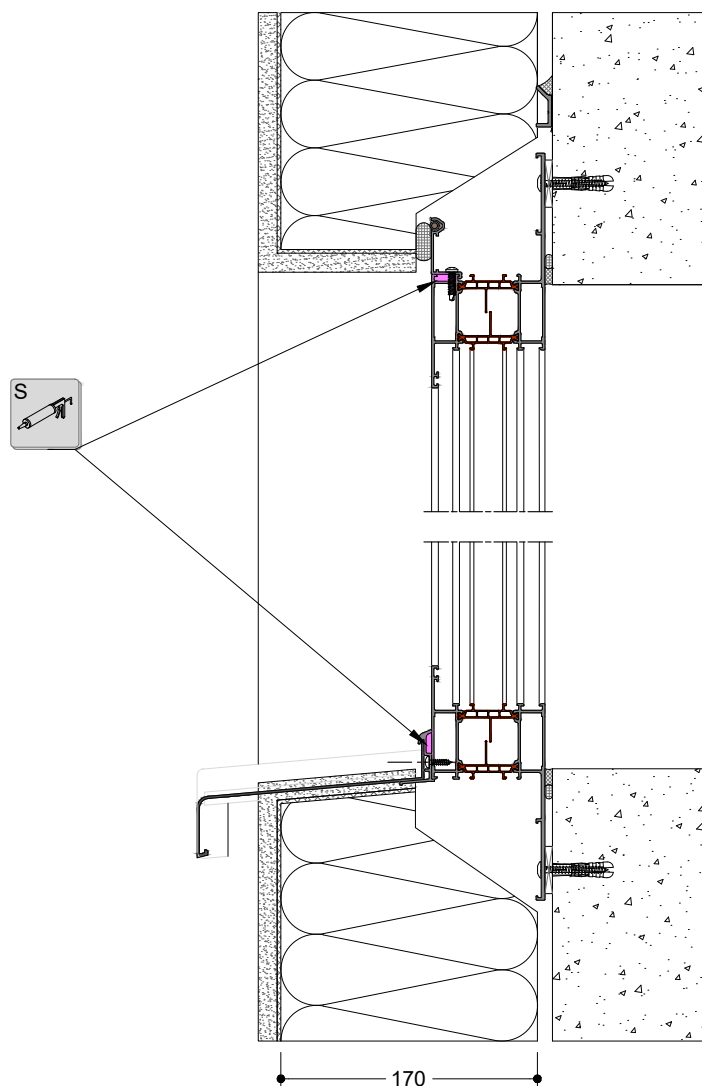
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INSTALLED FROM OUTSIDE, DIRECT FIXING

Universal frame - Principle section

DIG-0007841 Rev. A



INSTALLED FROM OUTSIDE, DIRECT FIXING

Universal frame - Principle section

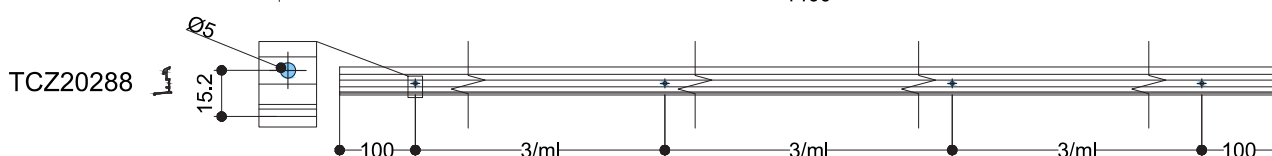
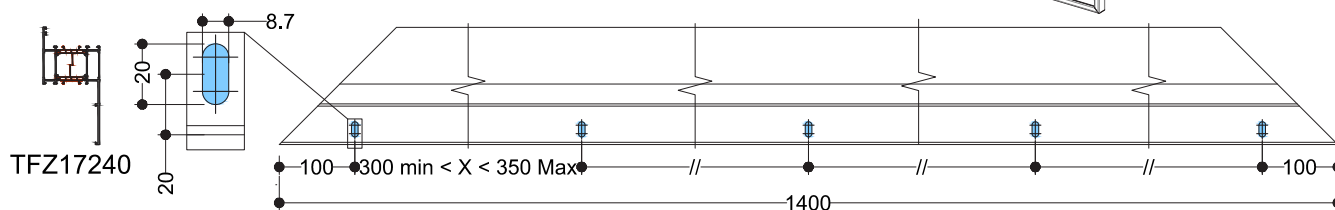
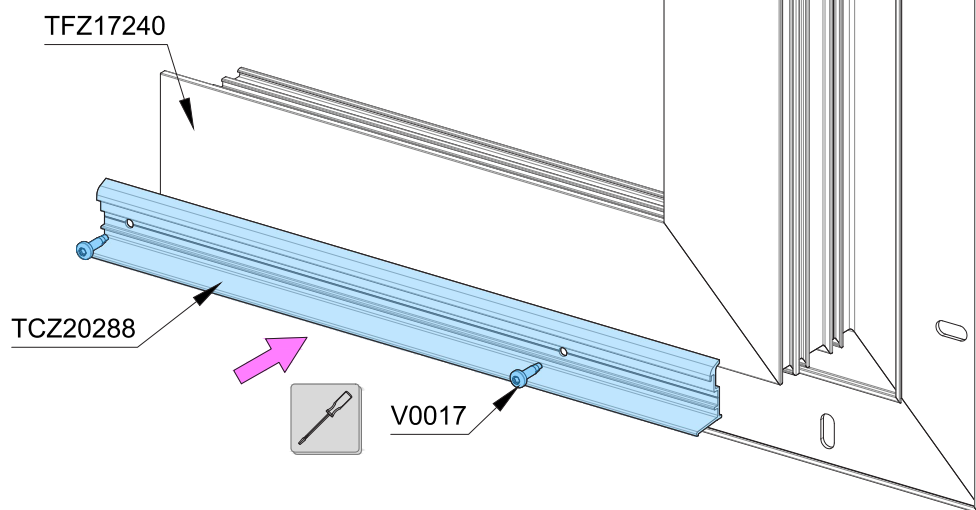
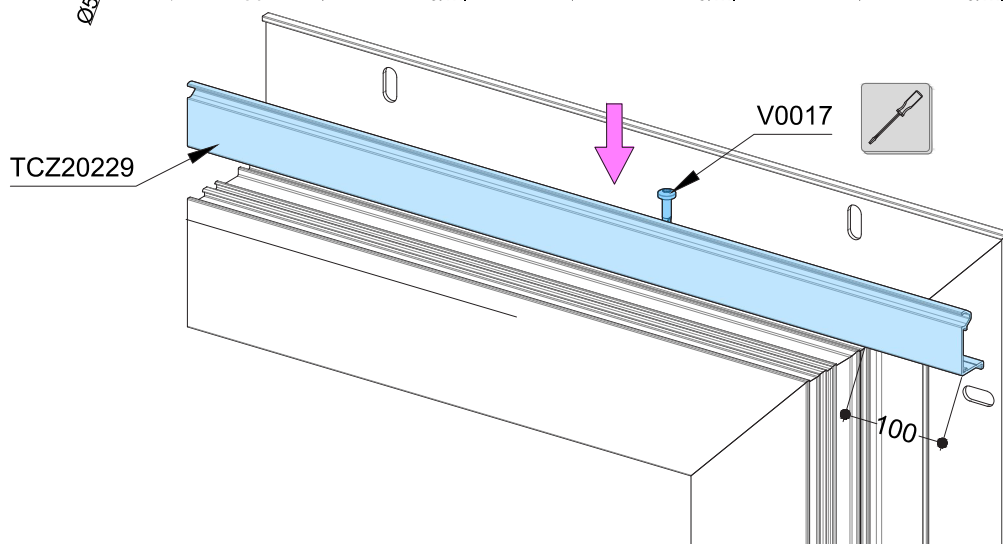
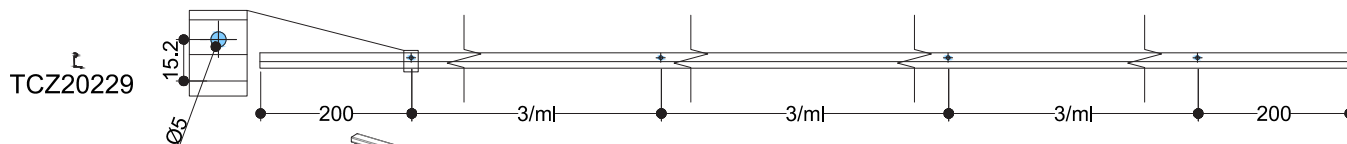
DIG-0010420 Rev. A

Profile		Qty	Débits		accessories		Qty
TFZ16740	Frame pre-drilled 65mm	2	/	H+160	T750010	Cast aluminium corner angle chamber 38 mm	8
		2	/	L+160			
TFZ17240	Frame pre-drilled 75mm	2	/	H+160			
		2	/	L+160			
TFY2513	Additional Profile, 27/10 mm	1		L+200			
TCZ20229	Prestamped profile	1		L+200			
TCZ20288	Fixation profile	1		L			
Gasket		Débits		Screw	Qty		
TFY5015	Polyurethane gasket	L+200		TVE177	3/ml		

INSTALLED FROM OUTSIDE, DIRECT FIXING

Machining and assembly

DIG-0007254 Rev. A



INSTALLED FROM OUTSIDE, DIRECT FIXING

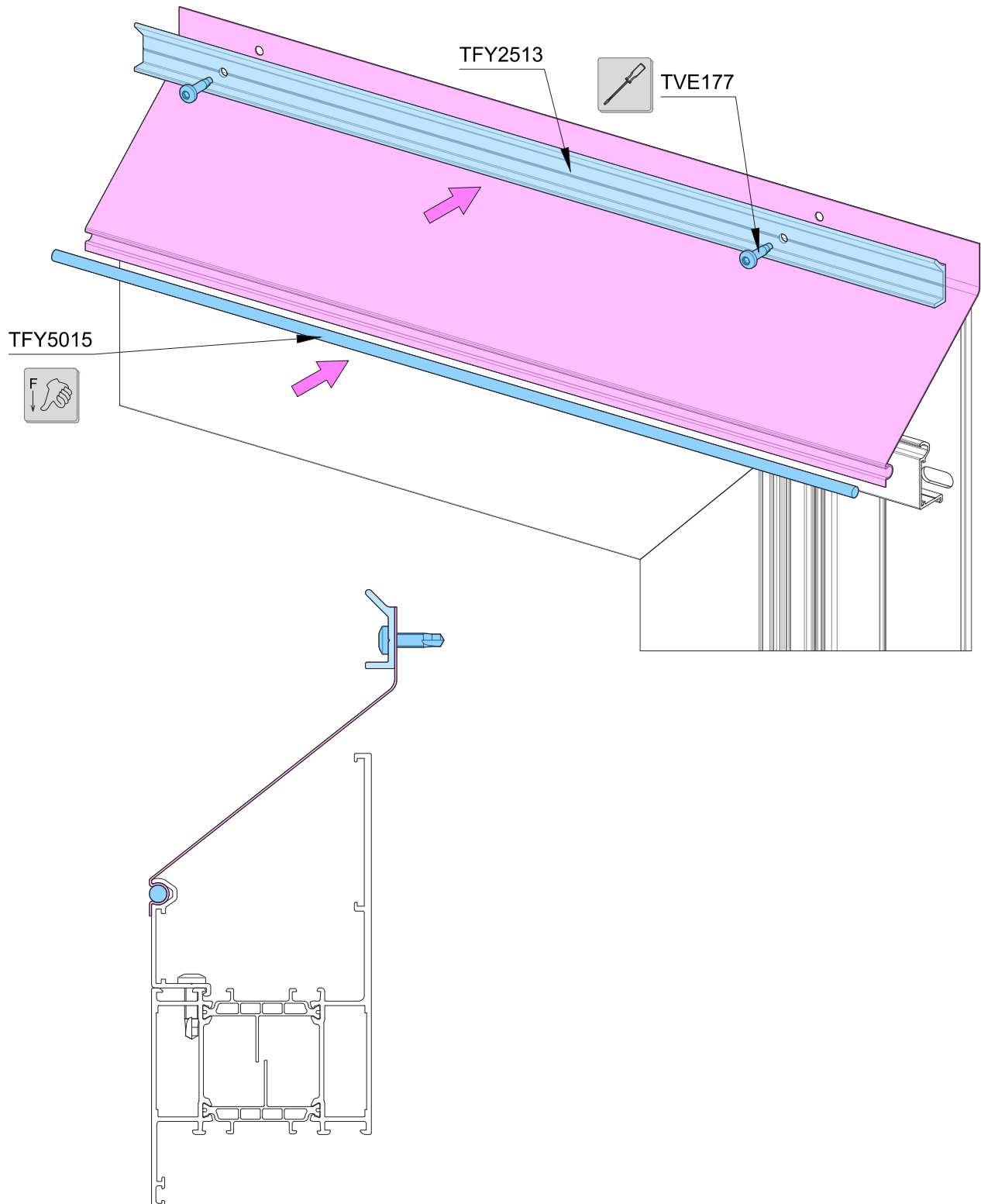
Machining and assembly

DIG-0007255 Rev. A

TECHNAL®

D

EXTERNAL POSITIONING



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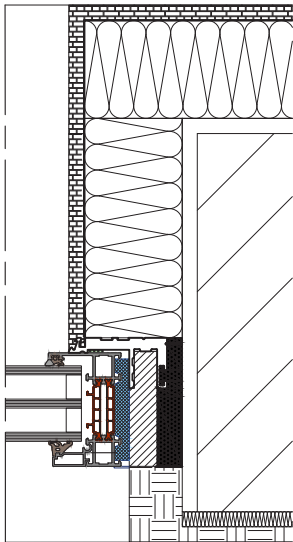
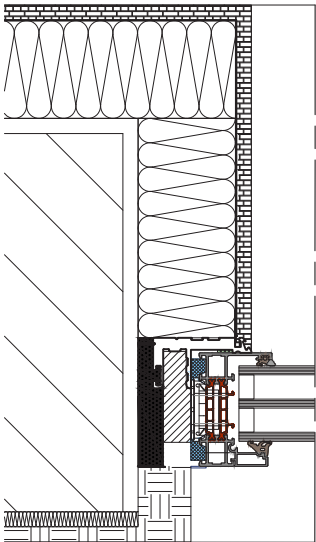
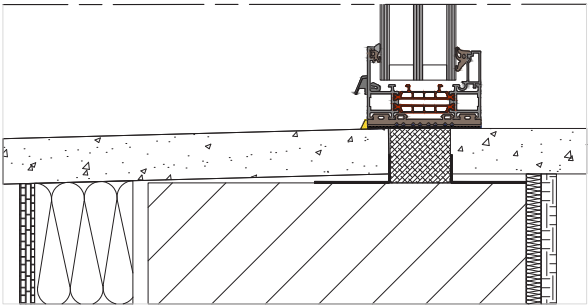
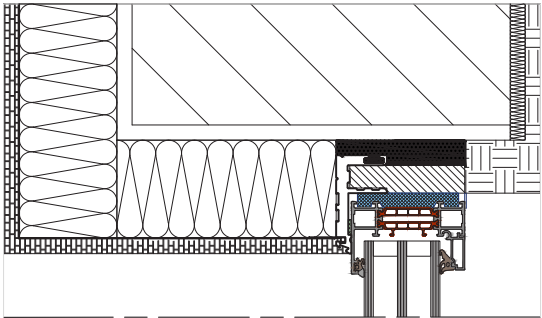
Central positioning

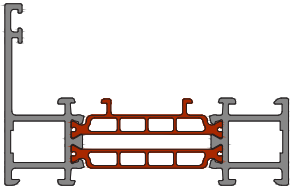
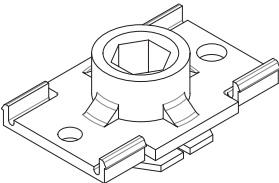
E

FIXED ON PACKERS

Bottom gasket installation - Principle section

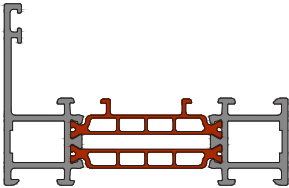
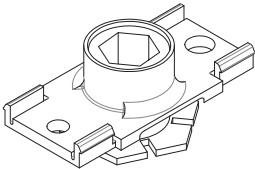
DIG-0005017 Rev. A



	 TFZ17135
 TCZ50217	W
 TCZ33105	H/500 W/500

FIXED ON PACKERS

DIG-0007225 Rev. A

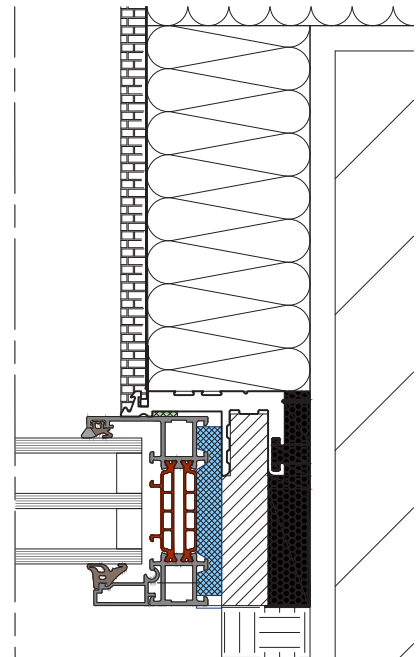
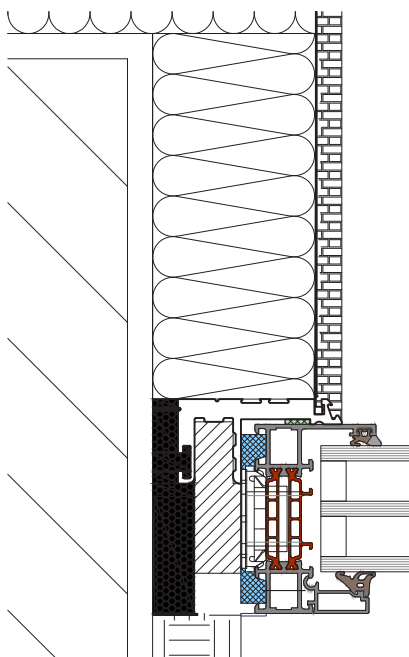
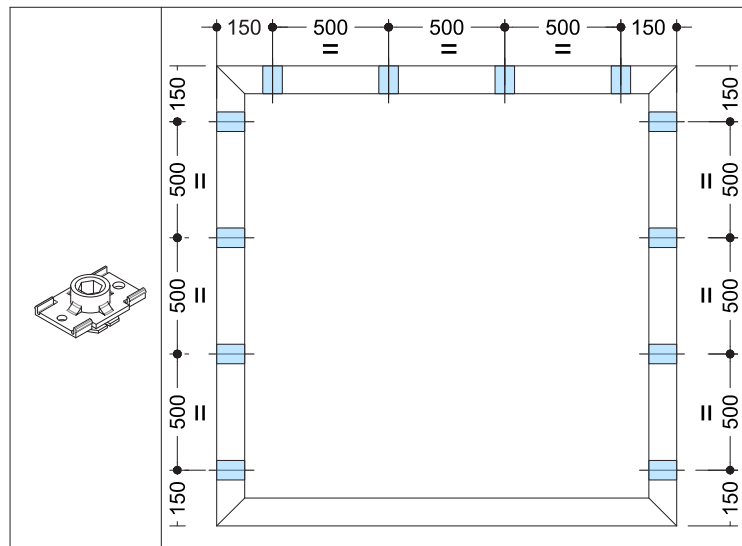
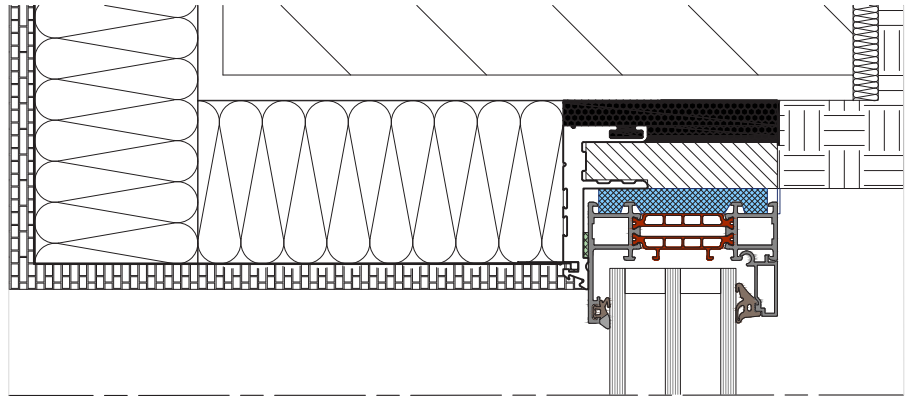
	 TFZ17135
 TCZ50219	W
 TCZ33104	H/500 W/500

FIXED ON PACKERS

Machining & assembly

DIG-0005019 Rev. A

TECHNICAL



CENTRAL POSITIONING

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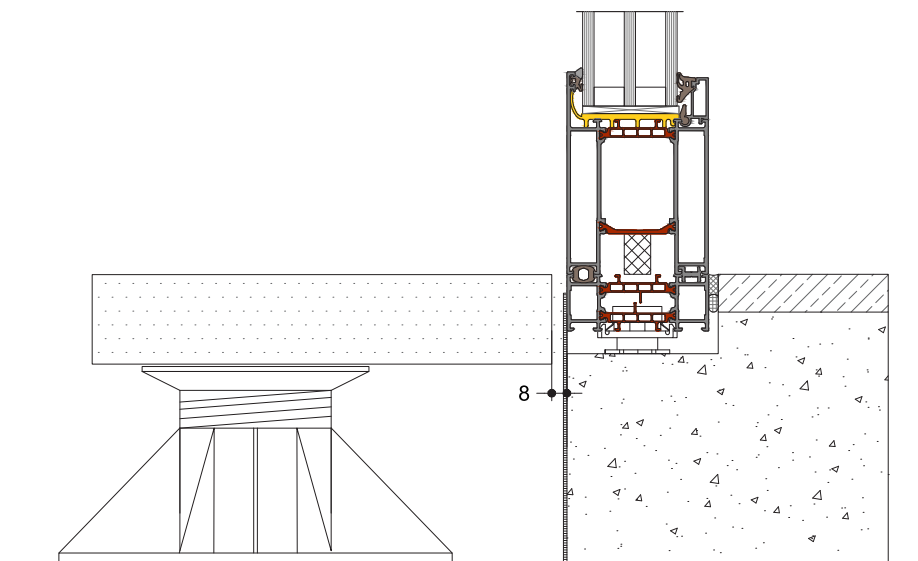
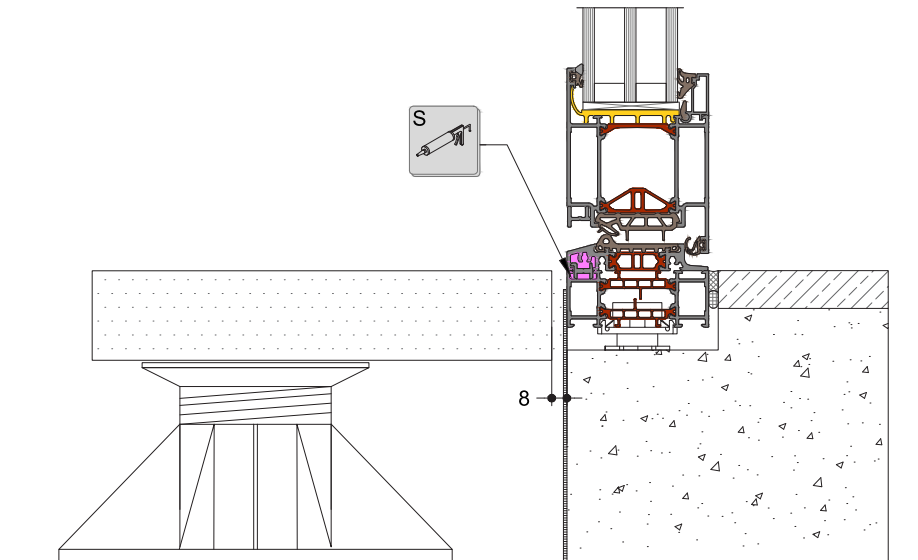
Door threshold solutions

F

WITH LOW THRESHOLD

Threshold and lateral fixed light

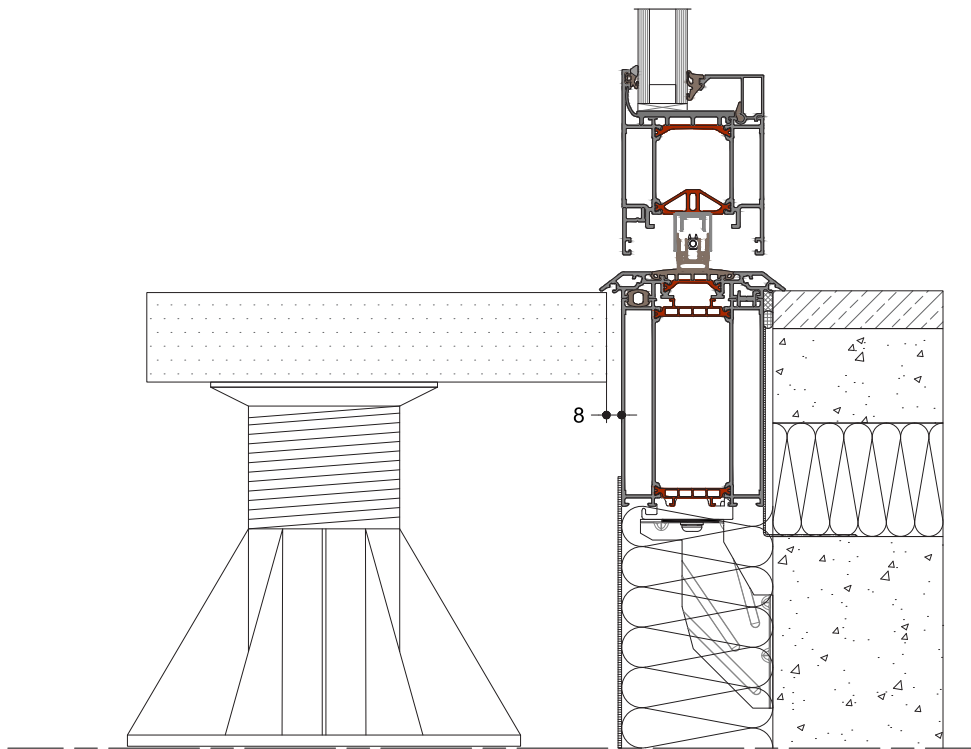
DIG-0005426 Rev. A



WITH LOW THRESHOLD

Double ramped threshold

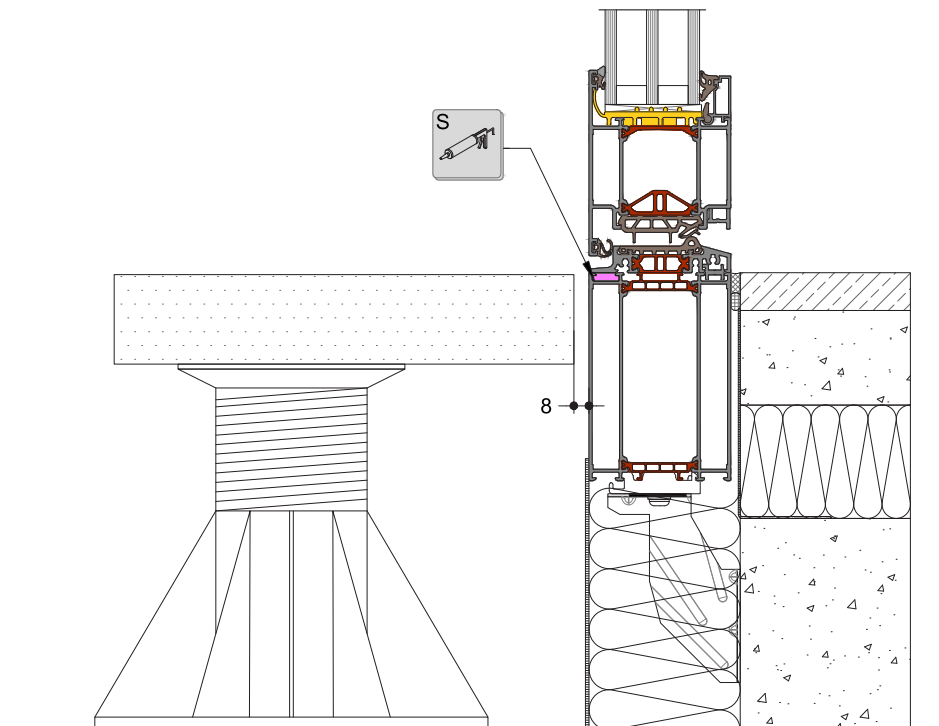
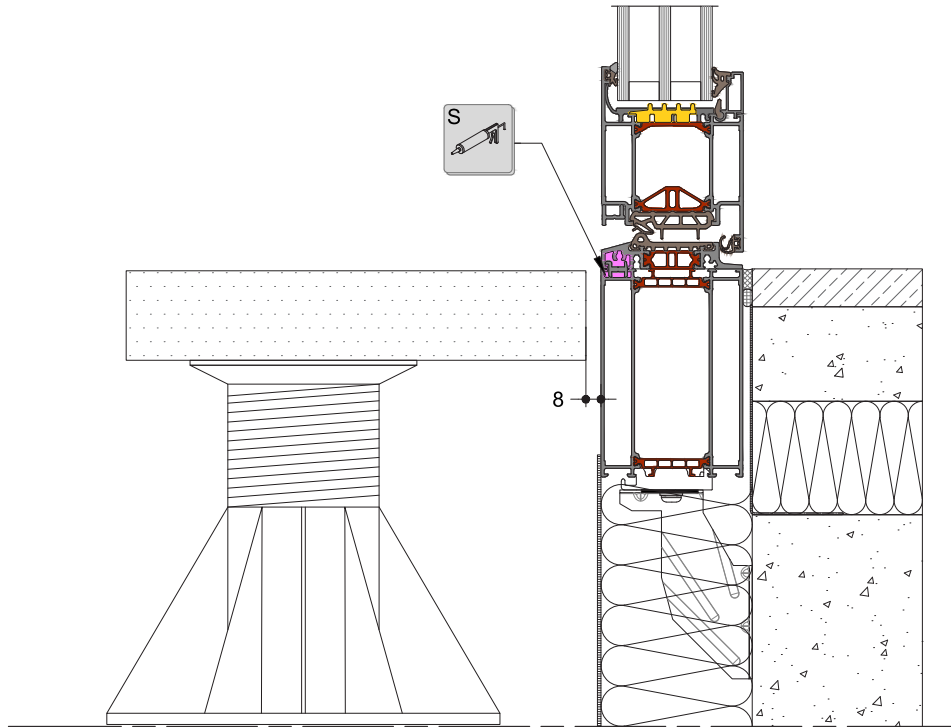
DIG-0005422 Rev. A



WITH LOW THRESHOLD

Open in and open out threshold

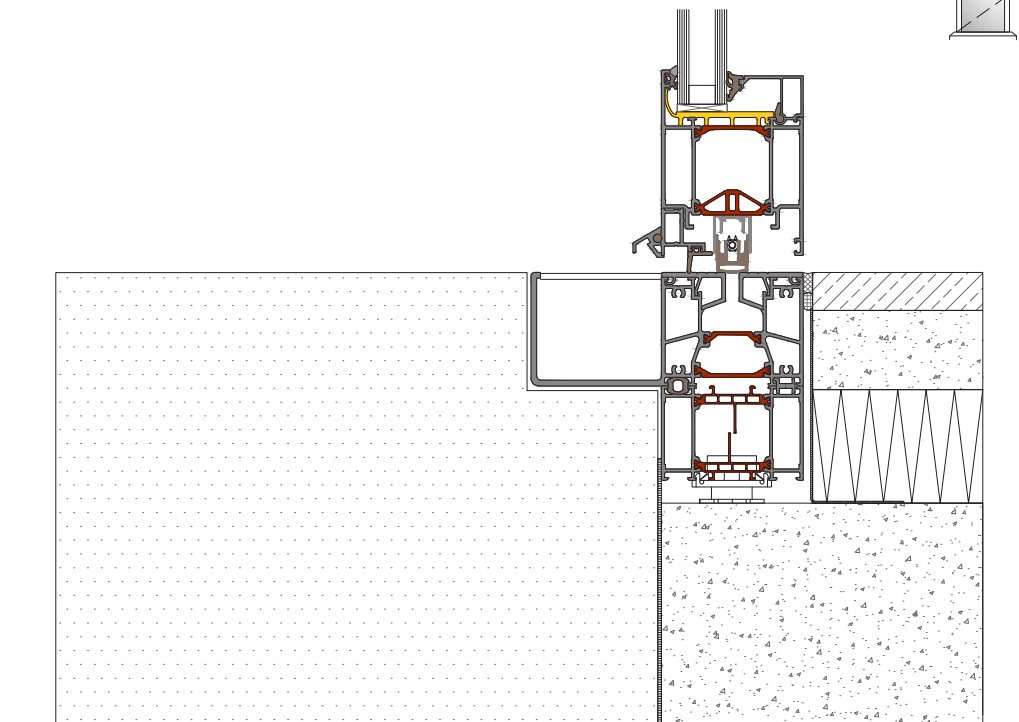
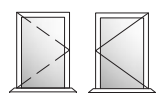
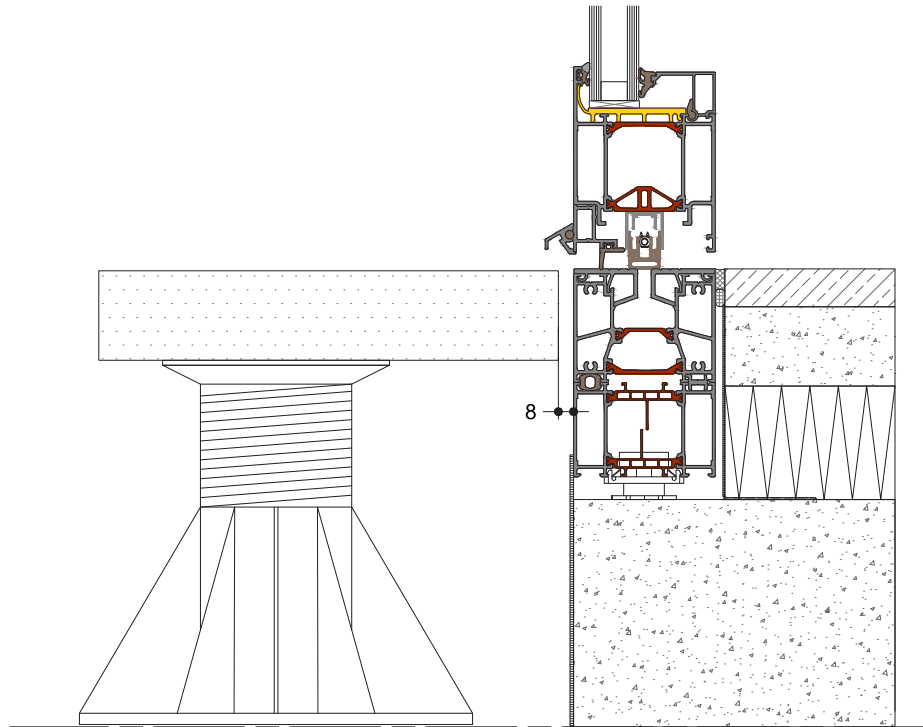
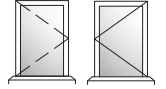
DIG-0005424 Rev. A



WITH FLUSH THRESHOLD

Flush threshold opening

DIG-0005425 Rev. A



DOOR THRESHOLD ISOLATION

Thermal broken floor connection in/out

	A 65 TPZ46105, TPZ46107, TPZ47112 75 TPZ47109, TPZ47110, TPZ46106	B 65 TPZ47111 75 TPZ46108
Admissible strength on substructure profile in N/mm²	0,56 (2% long term deformation under permanent load)	0,56 (2% long term deformation under permanent load)
Admissible vertical load in N/m	2500	3500

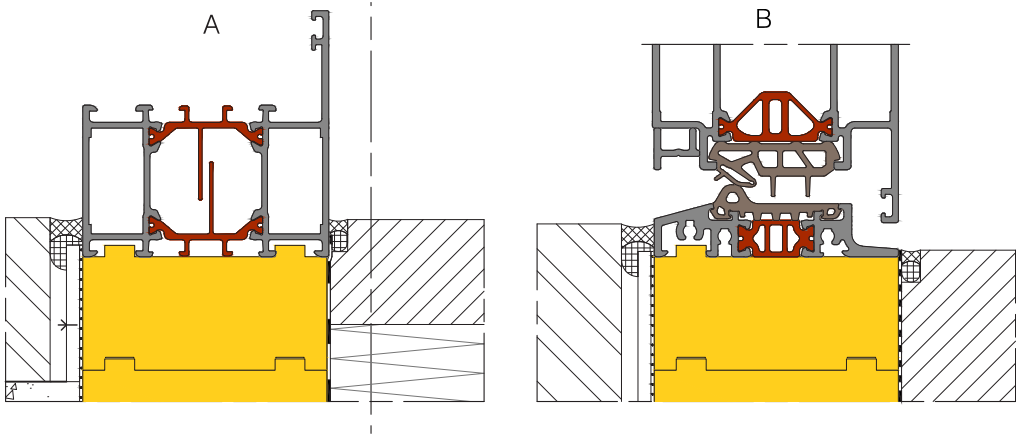
⚠ Wind loads and profiles loads for elements have to be transfered via lateral fixing points, if necessary secure through a statical analysis.

⚠ A statical analysis has to be conducted for the ponctual loads at the hinge area of the doors.

Technical data:

		Material class CF100	Standard
E-Module (N/mm²)		40	
Screw extraction with 40 mm anchorage length	Ø 4,5 mm (N)	505	
	Ø 7,5 mm (N)	837	
Transverse traction on screw Ø 4.5 mm (N) with max. 1.5 mm head deformation ; 40 mm anchorage length, 30 mm edge distance		103	
Transverse traction on screw Ø 7.5 mm (N) with max. 1.5 mm head deformation; 75 mm anchorage length, 30 mm edge distance		296	
Thermal conductivity rated value (W/mK)		0,0387	DIN EN 12667
Water vapour diffusion resistance factor		~ 25	DIN EN 12086-1
Fire behaviour		E (B2) normal flammability	DIN EN 13501-1
Max. water absorptive capacity 28 days		~ 5%	DIN EN 12087

DIG-0009154 Rev. A



Represented in SOLEAL Next 75

65 75

Other Solutions

G

RENOVATION WOOD OUTER FRAME

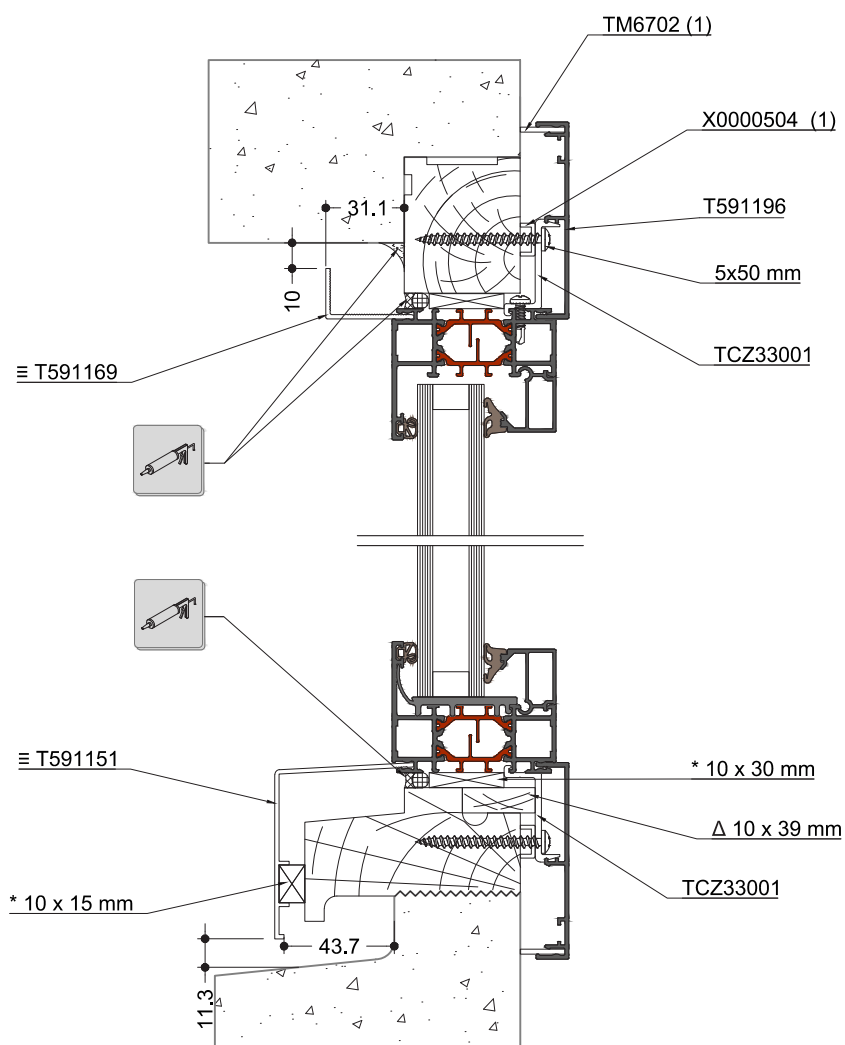
TECHNAL®

Renovation wood

*: Ponctual shim
 Δ: Linear wedge
 ≡: Machining
 (1): option

DIG-0005861 Rev. A

OTHER SOLUTIONS G



TECHNAL®

OTHER SOLUTIONS

- DIG-0005444 Rev. A



CILLS AND ACCESSORIES

TECHNAL®

Cills and brackets

Cills and accessoires

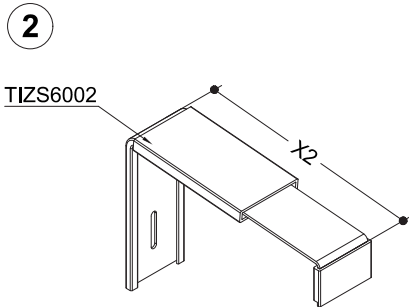
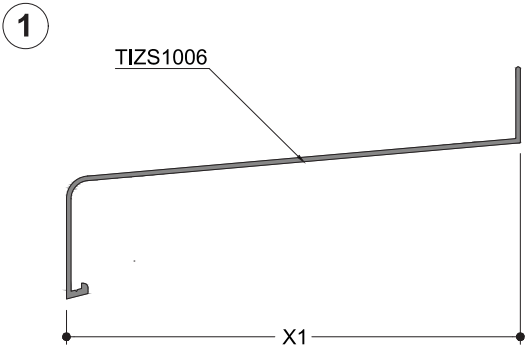
X1	Not pre-drilled Cill	Pre-drilled Cill	Set end piece crepi	Set end piece brickwork	Inner corner 90°	Outer corner 90°	Connector 180°
50mm	TIZS1001	TIZS2001	TIZS3000	TIZS3020	TIZS5100	TIZS5001	TIZS4000
70mm	TIZS1002	TIZS2002	TIZS3001	TIZS3021	TIZS5101	TIZS5002	TIZS4001
90mm	TIZS1003	TIZS2003	TIZS3002	TIZS3022	TIZS5102	TIZS5003	TIZS4002
110mm	TIZS1004	TIZS2004	TIZS3003	TIZS3023	TIZS5103	TIZS5004	TIZS4003
130mm	TIZS1005	TIZS2005	TIZS3004	TIZS3024	TIZS5104	TIZS5005	TIZS4004
150mm	TIZS1006	TIZS2006	TIZS3005	TIZS3025	TIZS5105	TIZS5006	TIZS4005
165mm	TIZS1007	TIZS2007	TIZS3006	TIZS3026	TIZS5106	TIZS5007	TIZS4006
180mm	TIZS1008	TIZS2008	TIZS3007	TIZS3027	TIZS5107	TIZS5008	TIZS4007
195mm	TIZS1009	TIZS2009	TIZS3008	TIZS3028	TIZS5108	TIZS5009	TIZS4008
210mm	TIZS1010	TIZS2010	TIZS3009	TIZS3029	TIZS5109	TIZS5010	TIZS4009
225mm	TIZS1011	TIZS2011	TIZS3010	TIZS3030	TIZS5110	TIZS5011	TIZS4010
240mm	TIZS1012	TIZS2012	TIZS3011	TIZS3031	TIZS5111	TIZS5012	TIZS4011
260mm	TIZS1013	TIZS2013	TIZS3012	TIZS3032	TIZS5112	TIZS5013	TIZS4012
280mm	TIZS1014	TIZS2014	TIZS3013	TIZS3033	TIZS5113	TIZS5014	TIZS4013
300mm	TIZS1015	TIZS2015	TIZS3014	TIZS3034	TIZS5114	TIZS5015	TIZS4014
320mm	TIZS1016	TIZS2016	TIZS3015	TIZS3035	TIZS5115	TIZS5016	TIZS4015
340mm	TIZS1017	TIZS2017	TIZS3016	TIZS3036	TIZS5116	TIZS5017	TIZS4016
360mm	TIZS1018	TIZS2018	TIZS3017	TIZS3037	TIZS5117	TIZS5018	TIZS4017
380mm	TIZS1019	TIZS2019	TIZS3018	TIZS3038	TIZS5118	TIZS5019	TIZS4018
400mm	TIZS1020	TIZS2020	TIZS3019	TIZS3039	TIZS5119	TIZS5020	TIZS4019
420mm	TIZS1021		TIZS3041	TIZS3040		TIZS5021	TIZS4020

G
OTHER SOLUTIONS

Cill supports brackets

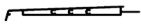
X2	
80-110mm	TIZS6000
110-140mm	TIZS6001
140-180mm	TIZS6002
180-240mm	TIZS6003
200-260mm	TIZS6004
240-300mm	TIZS6005
280-340mm	TIZS6006

DIG-0005474 Rev. A



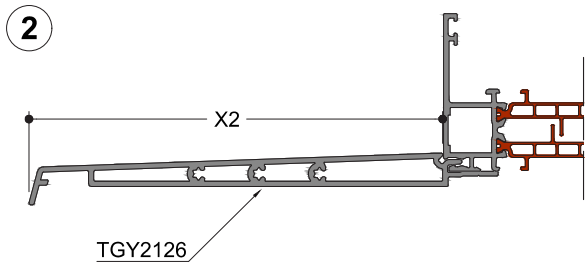
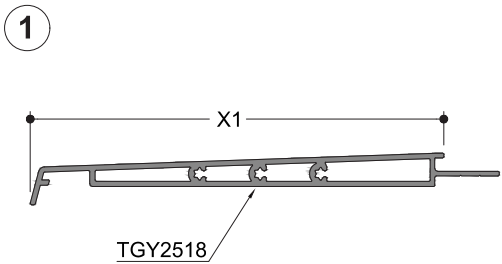
Cills and sealing profil

For standard frame application:

X1	Pre-drilled cills	Set end pieces
		
67mm	T700081	TCZ32117
97mm	TGY2517	TCZ32120
107mm	T700082	TCZ32118
137mm	TGY2518	TCZ32121
147mm	T700083	TCZ32119
177mm	TGY2114	TCZ32123
187mm	TGY2113	TCZ32122
197mm	TGY2116	TCZ32124

For BTC-frame application:

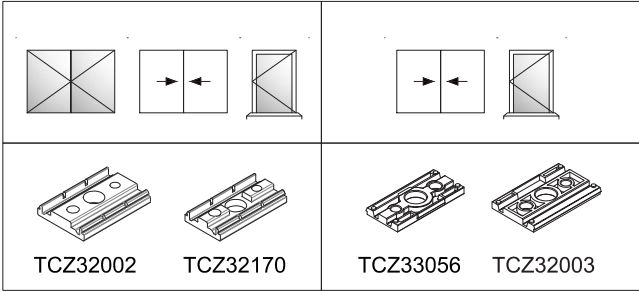
X2	Pre-drilled cills	Set end pieces
		
67mm	TFY2105	TCZ32117
97mm	TGY2125	TCZ32120
107mm	TFY2106	TCZ32118
137mm	TGY2126	TCZ32121
147mm	TFY2107	TCZ32119
177mm	TGY2118	TCZ32123
187mm	TGY2117	TCZ32122
197mm	TGY2120	TCZ32124



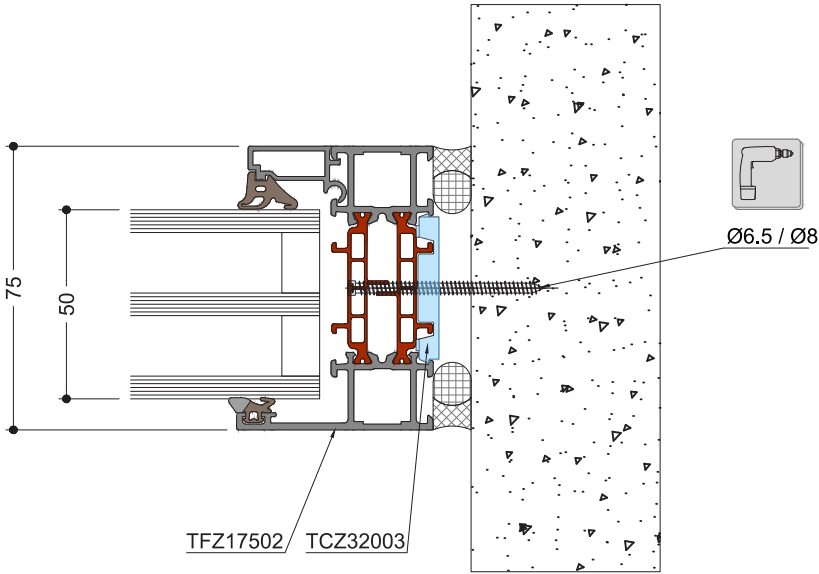
DIG-0005476 Rev. B

SPACER

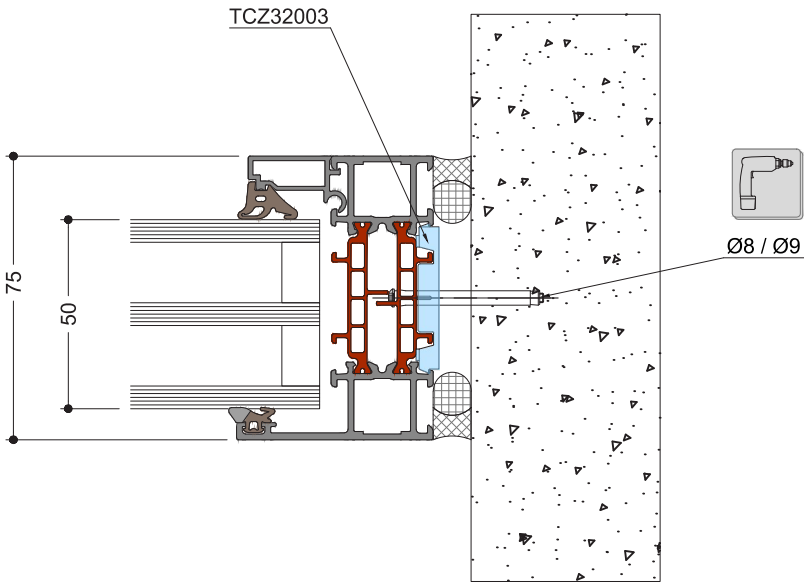
DIG-0009120 Rev. A



■ 1



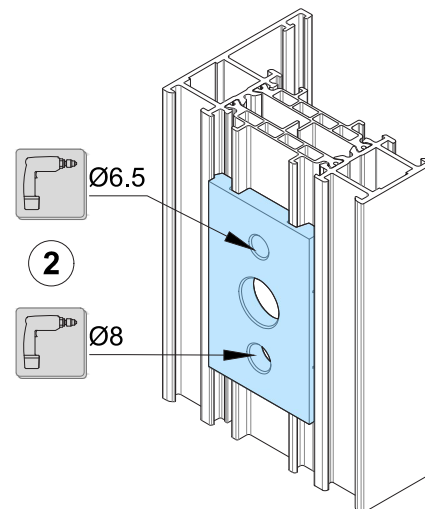
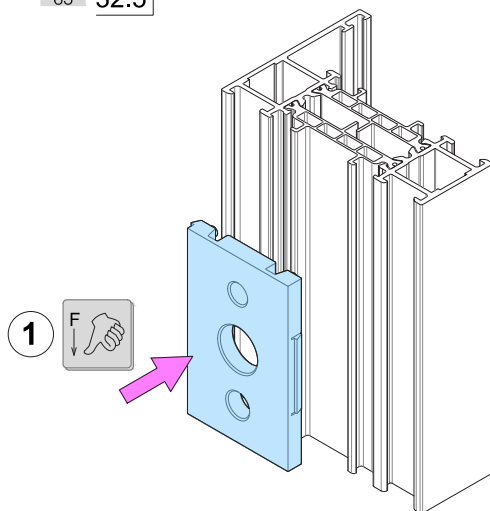
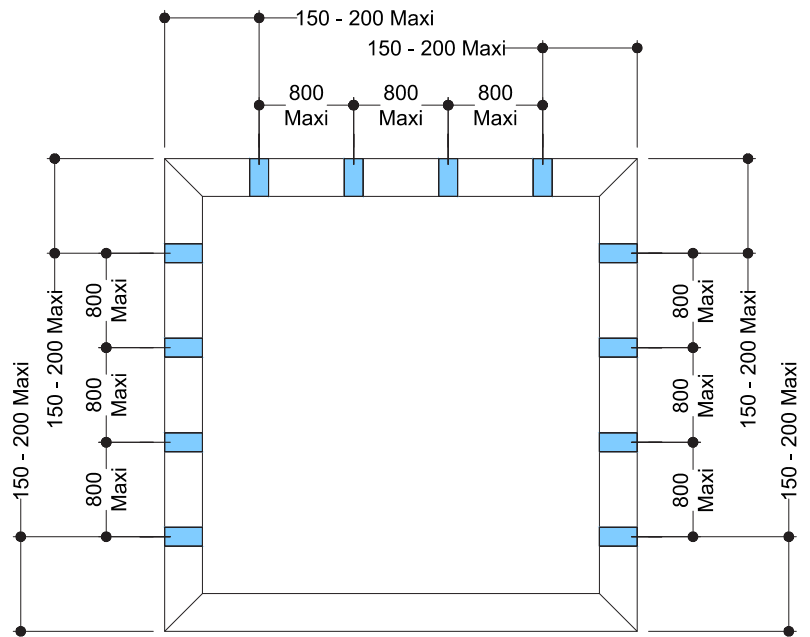
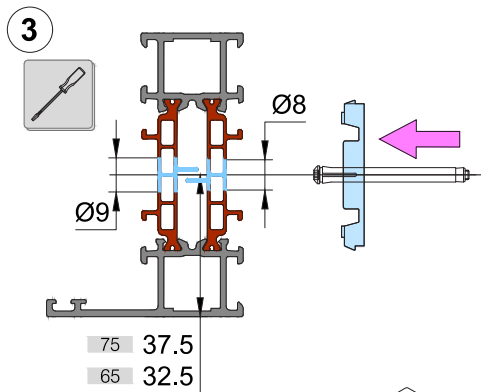
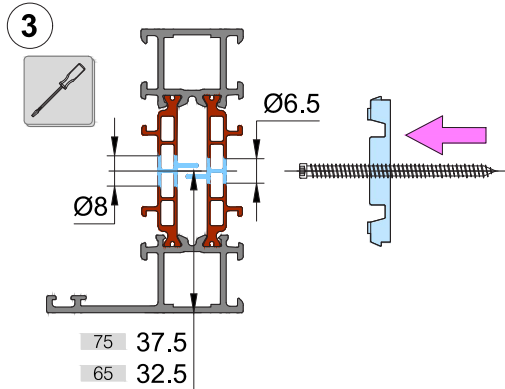
■ 2



Machining and assembly

- 1 - Clip the fixation part on the profile.
- 2 - Drill $\varnothing 6.5$ or $\varnothing 8$ centered in the corresponding hole of the fixation part.
- 3 - Tighten with corresponding screw.

DIG-0007483 Rev. A

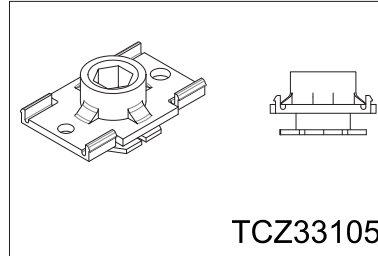
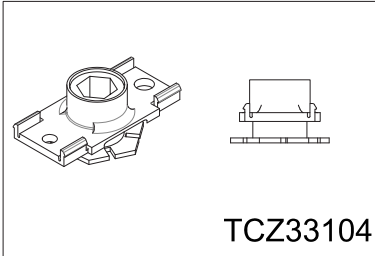


ADJUSTABLE JACK

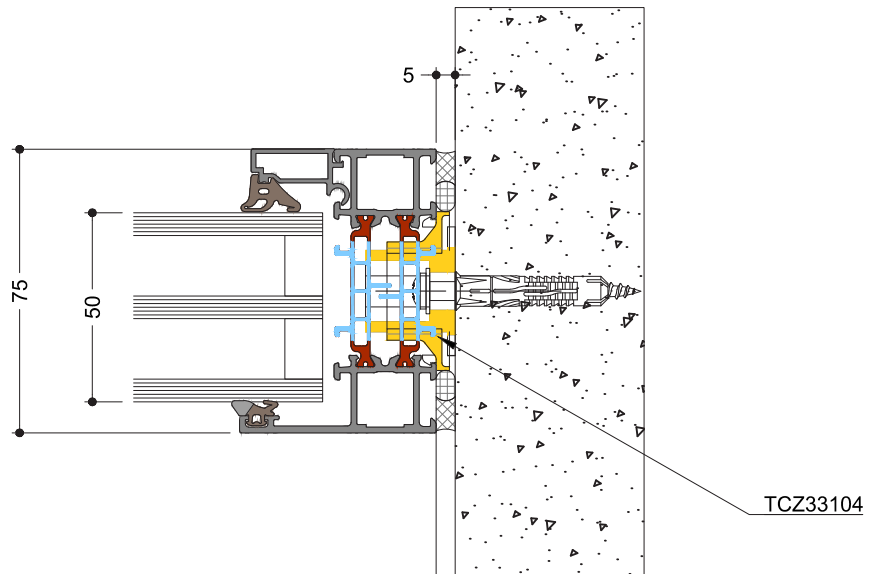
Application

- 1 - Minimum setting
- 2 - Maximum setting

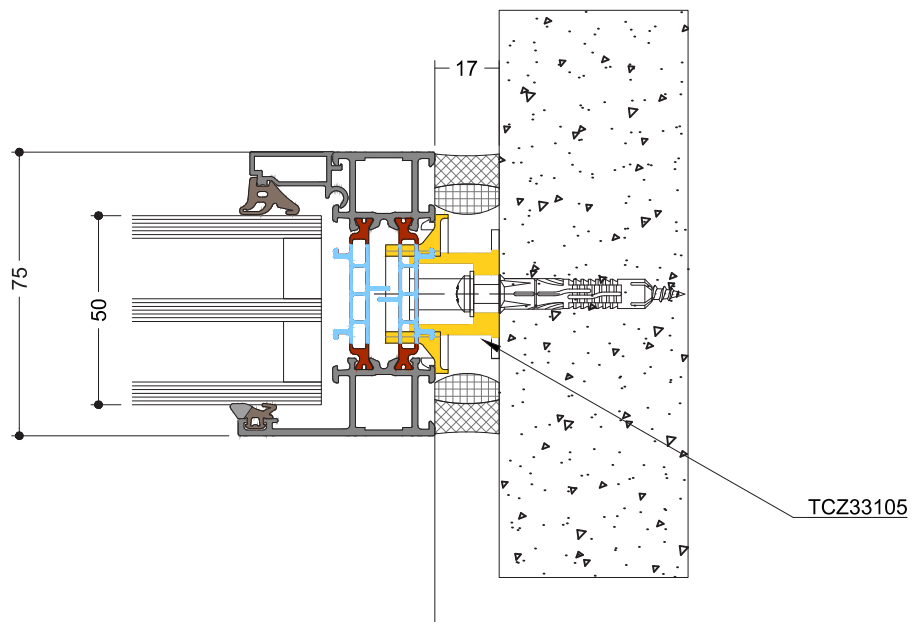
DIG-0009148 Rev. A



■ 1



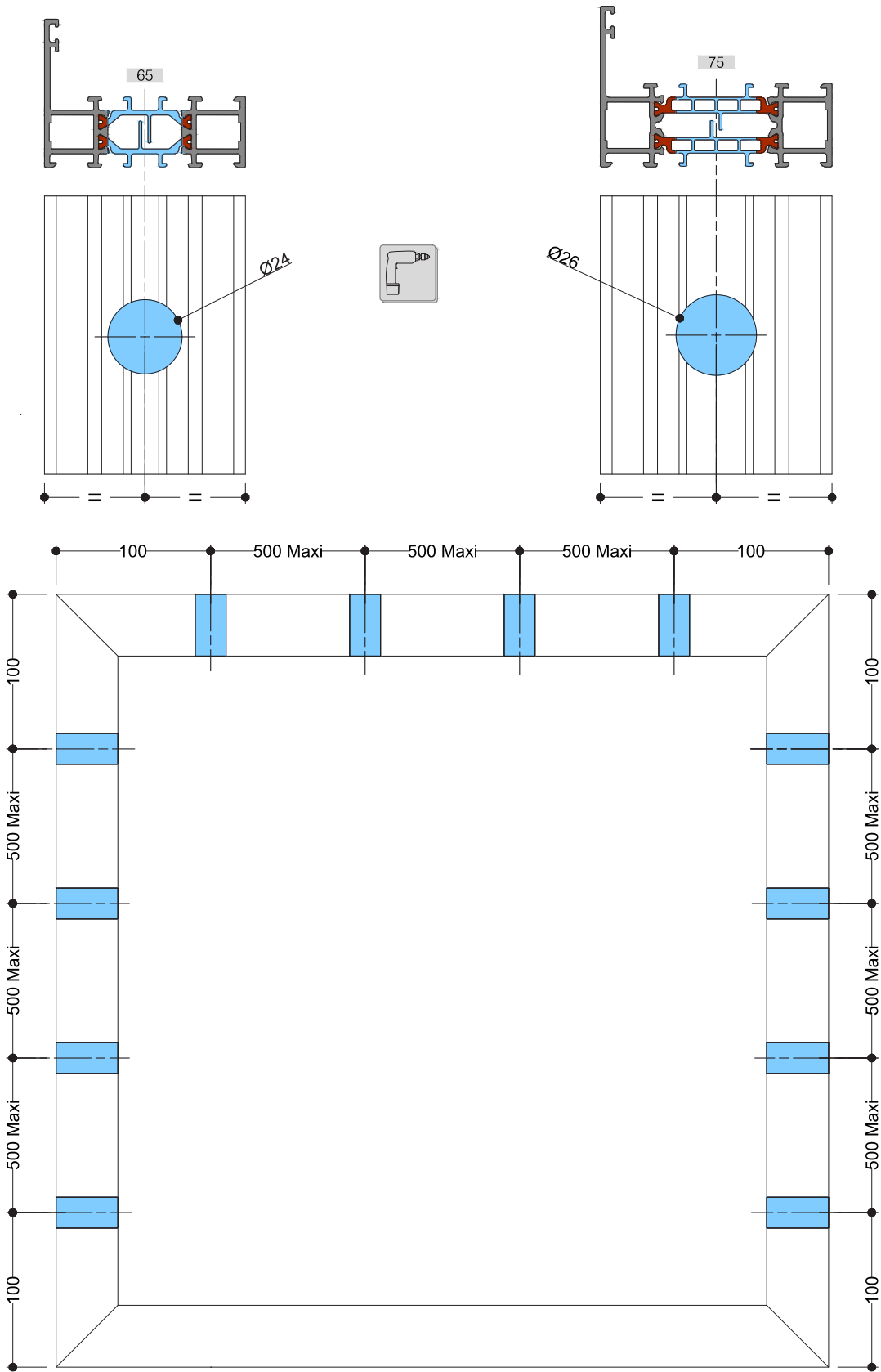
■ 2



ADJUSTABLE JACK

Machining and assembly

DIG-0007233 Rev. A

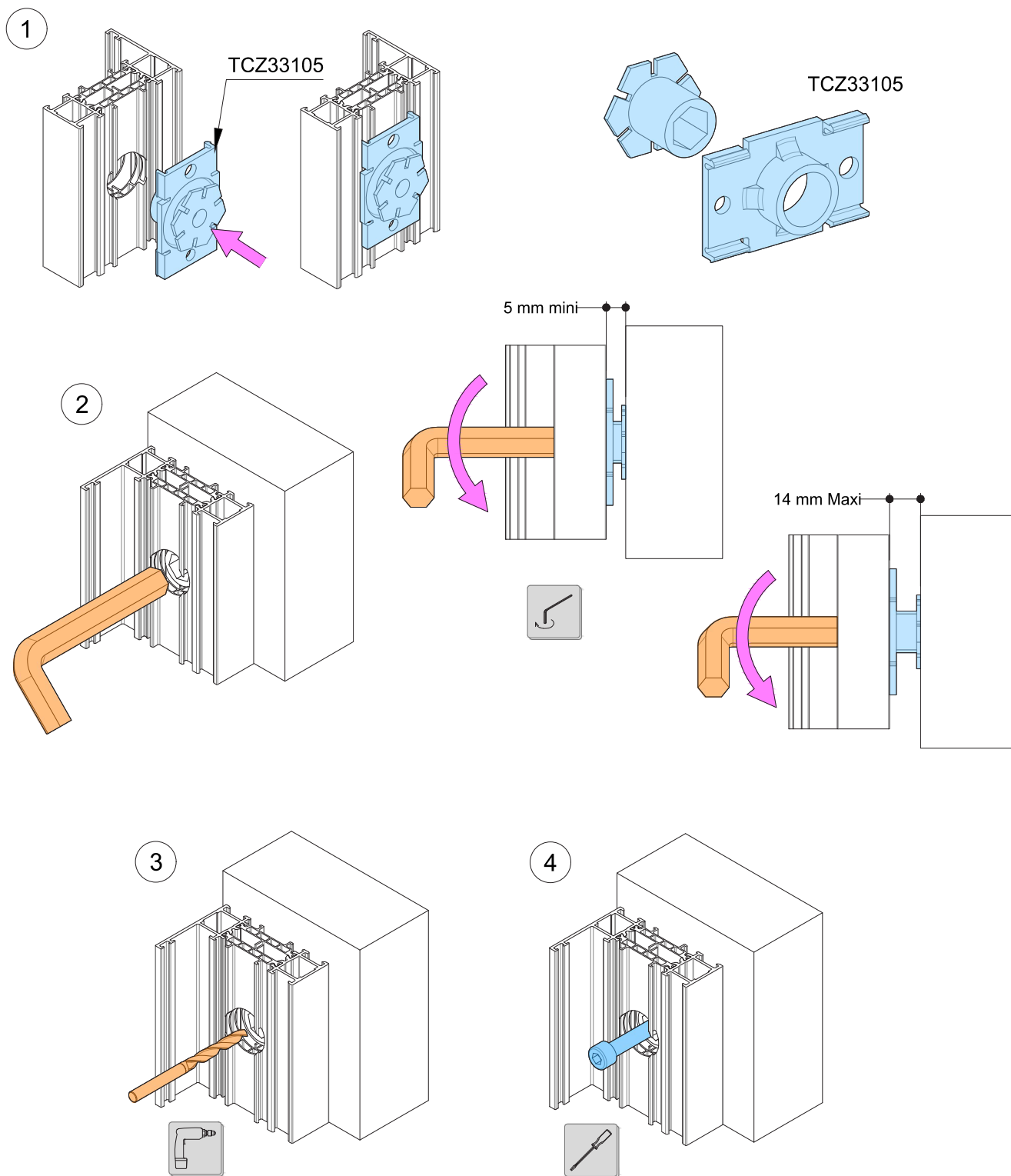


ADJUSTABLE JACK

Building connection

- 1 - Clip the part in front of the hole.
- 2 - Get into the wall the window.
- 3 - Drill and pre-fix the window into the wall.
- 4 - Adjust and fix with a Ø8 Max screw.

DIG-0007249 Rev. A



LUG OFFER

Load bearing

DIG-0009194 Rev. A

TECHNAL®

		Wind resistance		Load resistance		Corrosion resistance		
		Value	Standards / Référence	Value	Standards / Référence	Value	TR-Number	Standards / Référence
TFY3729						Grade 4	20240122-3-SZ	EN ISO 9227
TCZ33340		40 daN	DTU36.5 annex G	35 daN	DTU36.5 annex G	Grade 4	20240122-4-SZ	EN ISO 9227
TCZ33341		35 daN	DTU36.5 annex G	23 daN	DTU36.5 annex G	Grade 4	20240122-5-SZ	EN ISO 9227
TCZ33342		47 daN	DTU36.5 annex G	75 daN	DTU36.5 annex G	Grade 4	20240122-6-SZ	EN ISO 9227
TCZ33343		40 daN	DTU36.5 annex G	40 daN	DTU36.5 annex G	Grade 4	20240122-7-SZ	EN ISO 9227
TAZ0344		32 daN	DTU36.5 annex G	225 daN	DTU36.5 annex G	Grade 4	20240122-8-SZ	EN ISO 9227
TCZ33419		42 daN	DTU36.5 annex G	10 daN	DTU36.5 annex G	Grade 4	20240122-9-SZ	EN ISO 9227
TCZ33420		41 daN	DTU36.5 annex G	7 daN	DTU36.5 annex G	Grade 4	20240122-10-SZ	EN ISO 9227
TGY3726		49 daN	DTU36.5 annex G	57 daN	DTU36.5 annex G	Grade 4	20240122-11-SZ	EN ISO 9227
TGY3728		55 daN	DTU36.5 annex G	65 daN	DTU36.5 annex G	Grade 4	20240122-12-SZ	EN ISO 9227
TGY3729		84 daN	DTU36.5 annex G	45 daN	DTU36.5 annex G	Grade 4	20240122-13-SZ	EN ISO 9227
TGY3730		93 daN	DTU36.5 annex G	38 daN	DTU36.5 annex G	Grade 4	20240122-14-SZ	EN ISO 9227
TFY3745		77 daN	DTU36.5 annex G	35 daN	DTU36.5 annex G	Grade 4	20240122-15-SZ	EN ISO 9227
TFY3746		90 daN	DTU36.5 annex G	23 daN	DTU36.5 annex G	Grade 4	20240205-19-SZ	EN ISO 9227
TCZ33234						Grade 3	20240122-1-SZ	EN ISO 9227
TCZ33020						Grade 1	20240226-21-A-SZ	EN ISO 9227
TCZ33000						Grade 4	20240122-2-SZ	EN ISO 9227
TCZ33002		140 daN	Internal test	6 daN	Internal test	Grade 4	20240122-16-SZ	EN ISO 9227
TCZ33096						Grade 4	20240129-17-SZ	EN ISO 9227
TCZ33021						Grade 1	20240226-20-SZ	EN ISO 9227
TCZ33162						Grade 4	20240129-18-SZ	EN ISO 9227

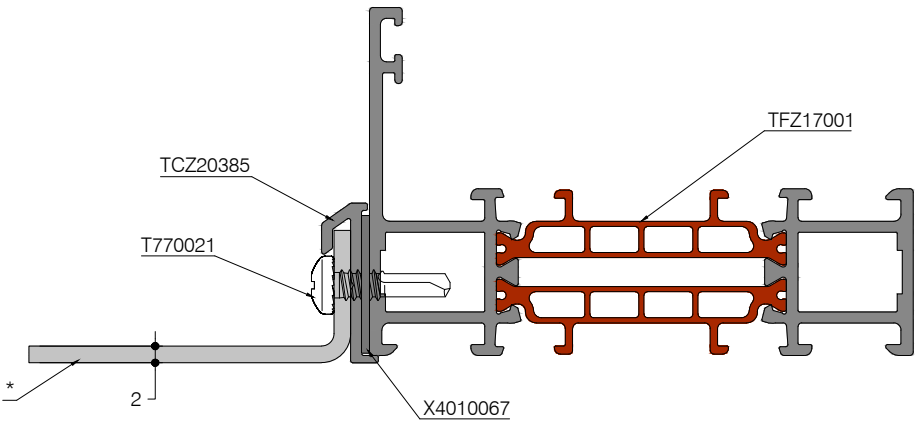
G
OTHER SOLUTIONS

ADD ON PROFILE FOR METAL SHEET

TECHNAL®

Application

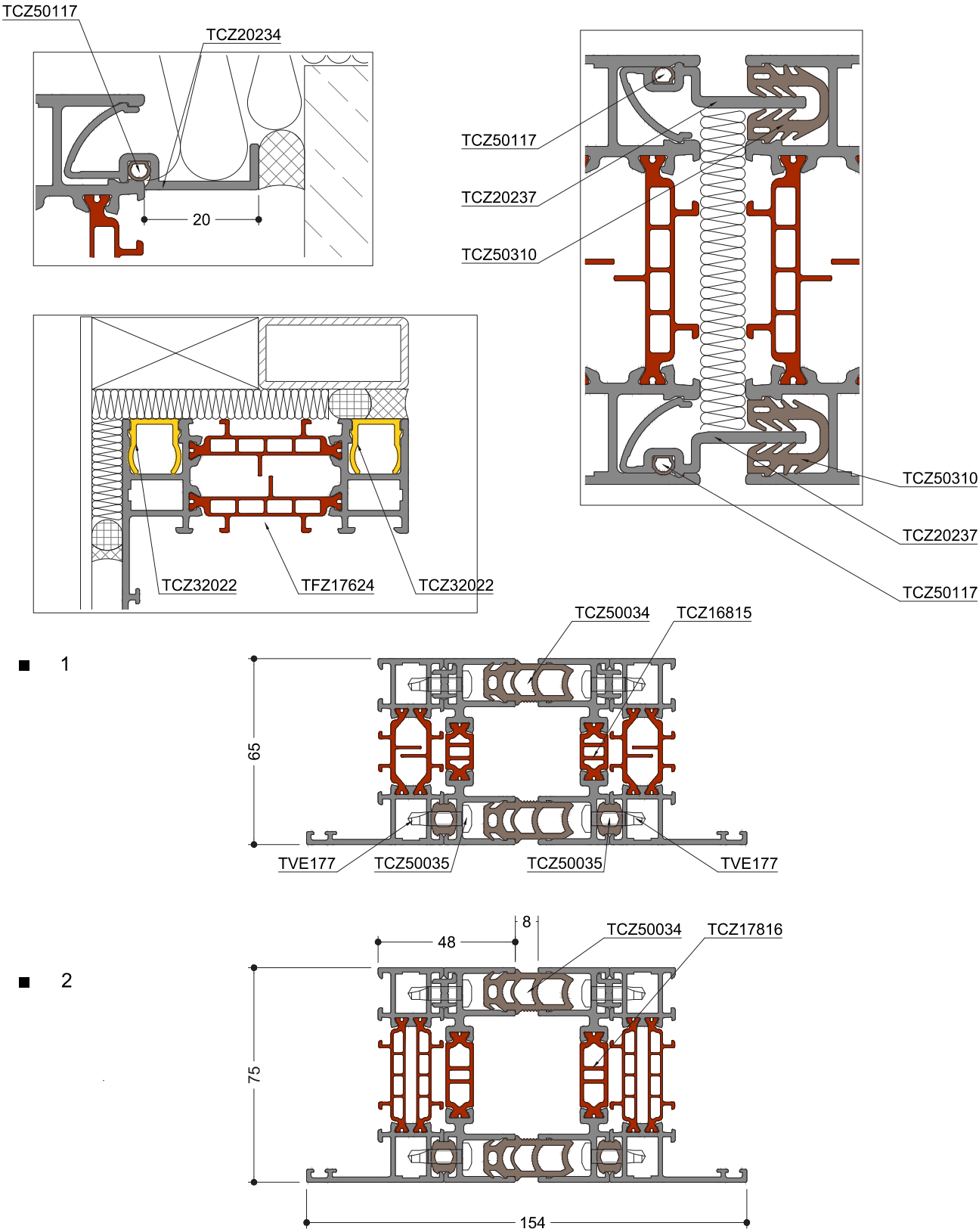
DIG-0009149 Rev. A



G

* Not in the offer

OTHER SOLUTIONS



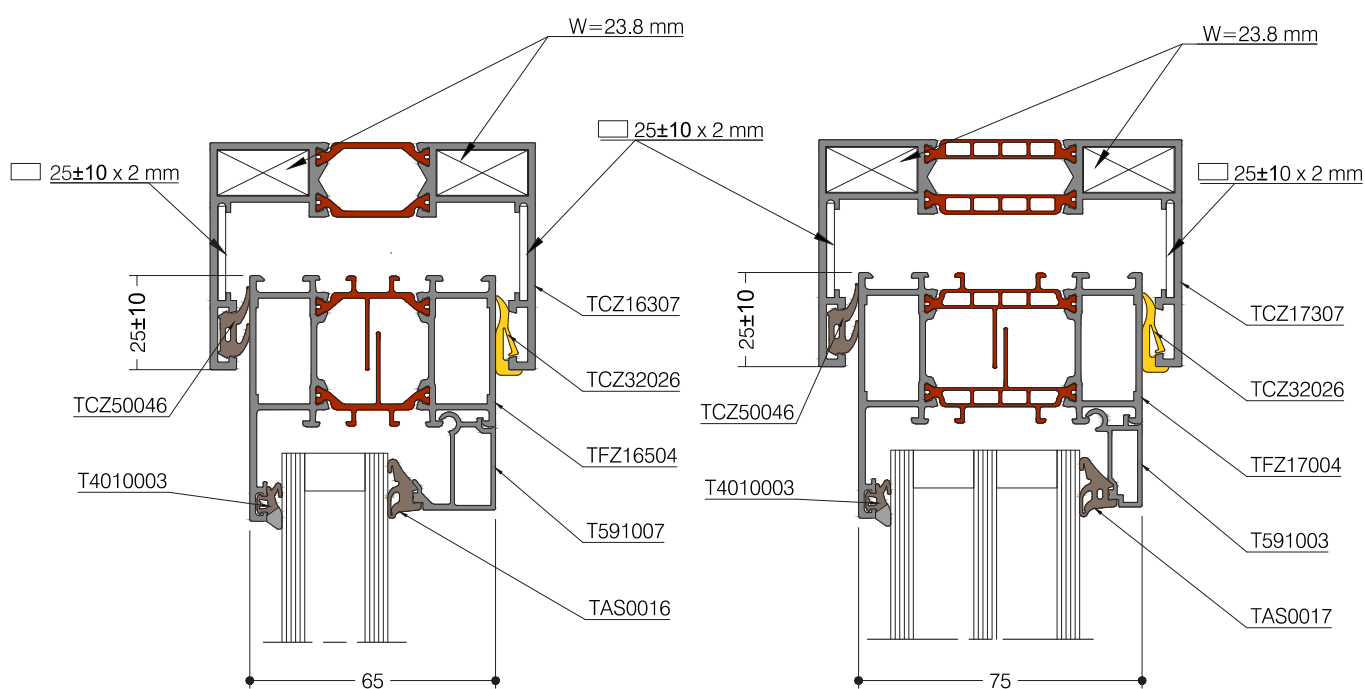
RIBBON WINDOW TOP SIDE

Application



Pay attention to space required for fittings such as hinges, fanlight opener etc.

DIG-0009155 Rev. A

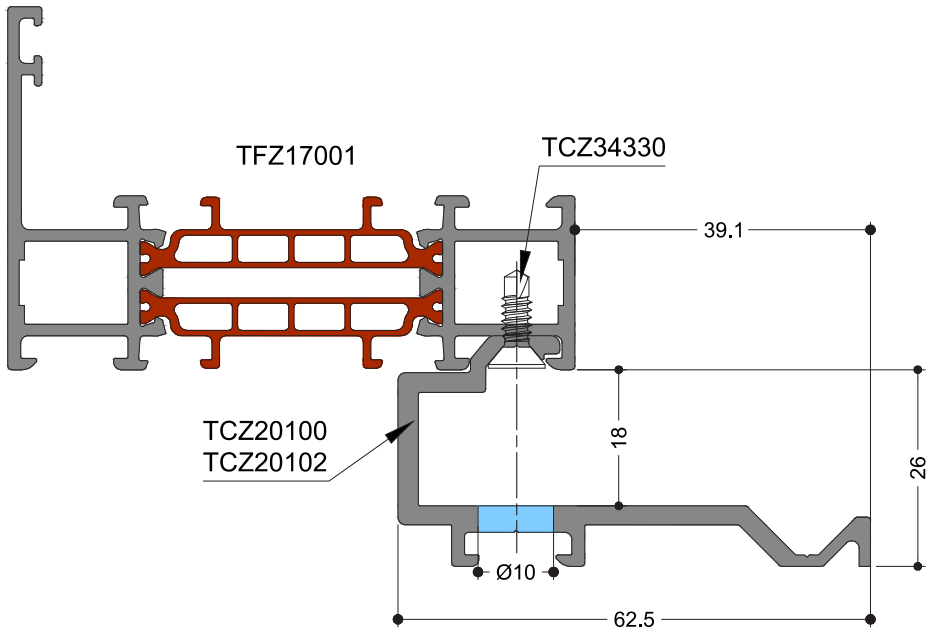
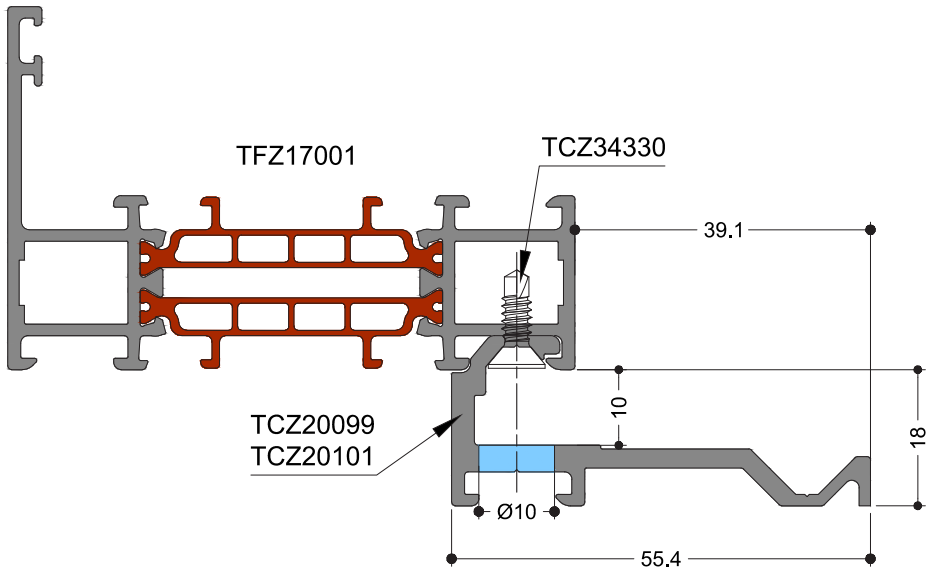


PROFILE FOR FINISH ADD

Application

DIG-0010418 Rev. A

TECHNAL®



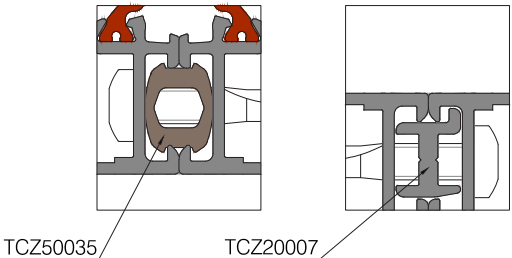
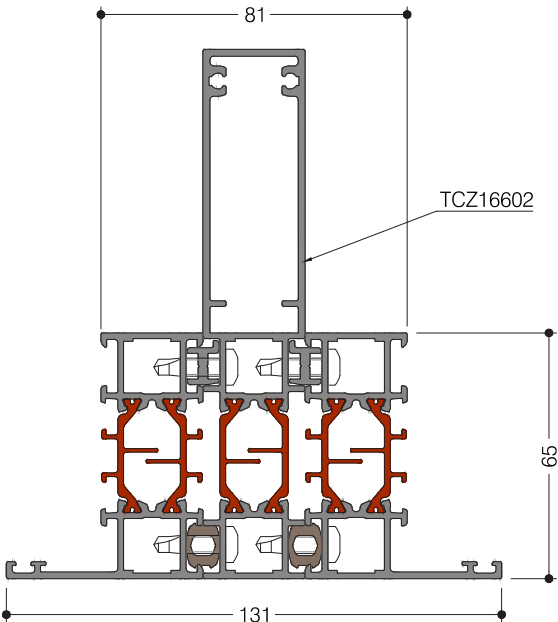
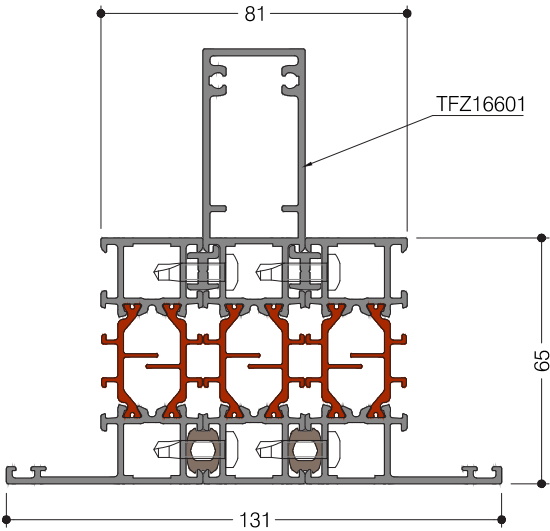
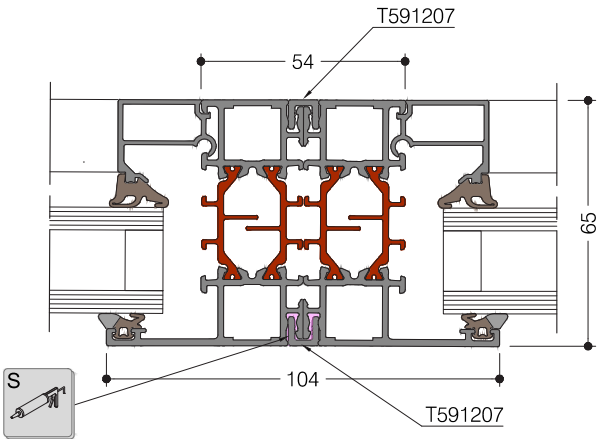
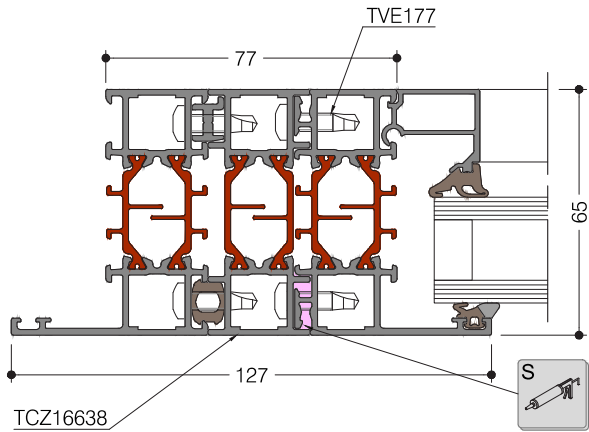
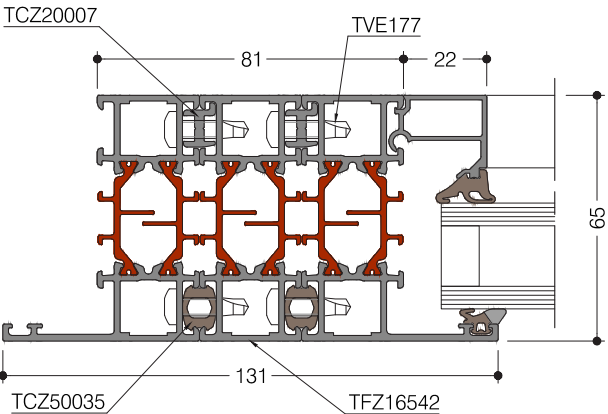
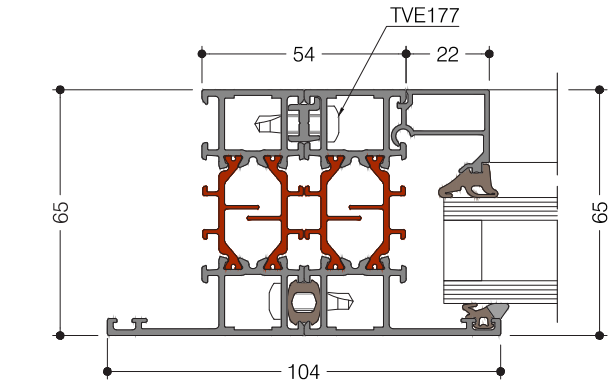
OTHER SOLUTIONS G

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Coupling - integration

H

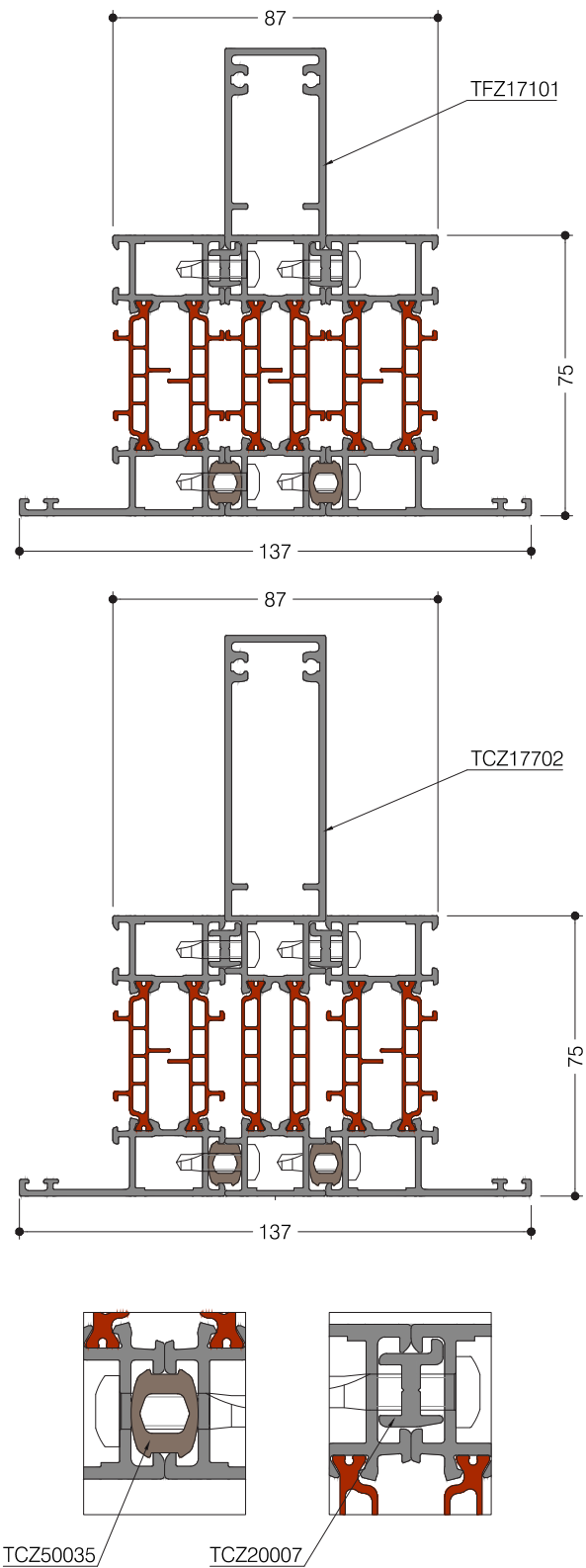
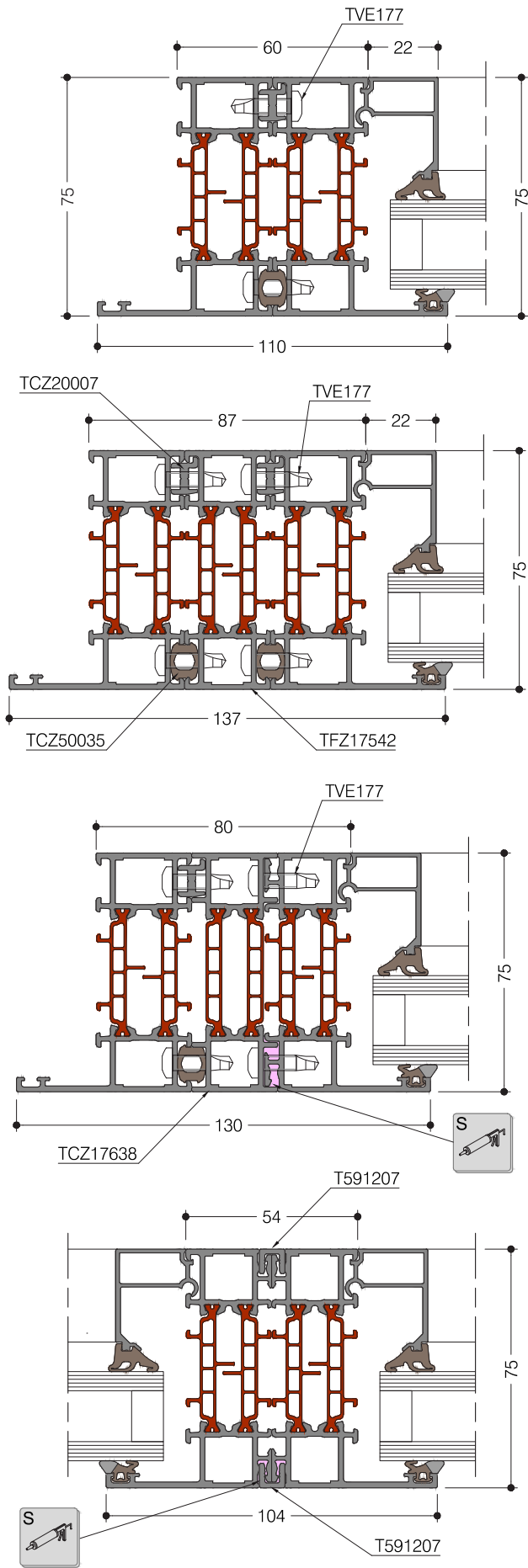
Coupling profile 65/65



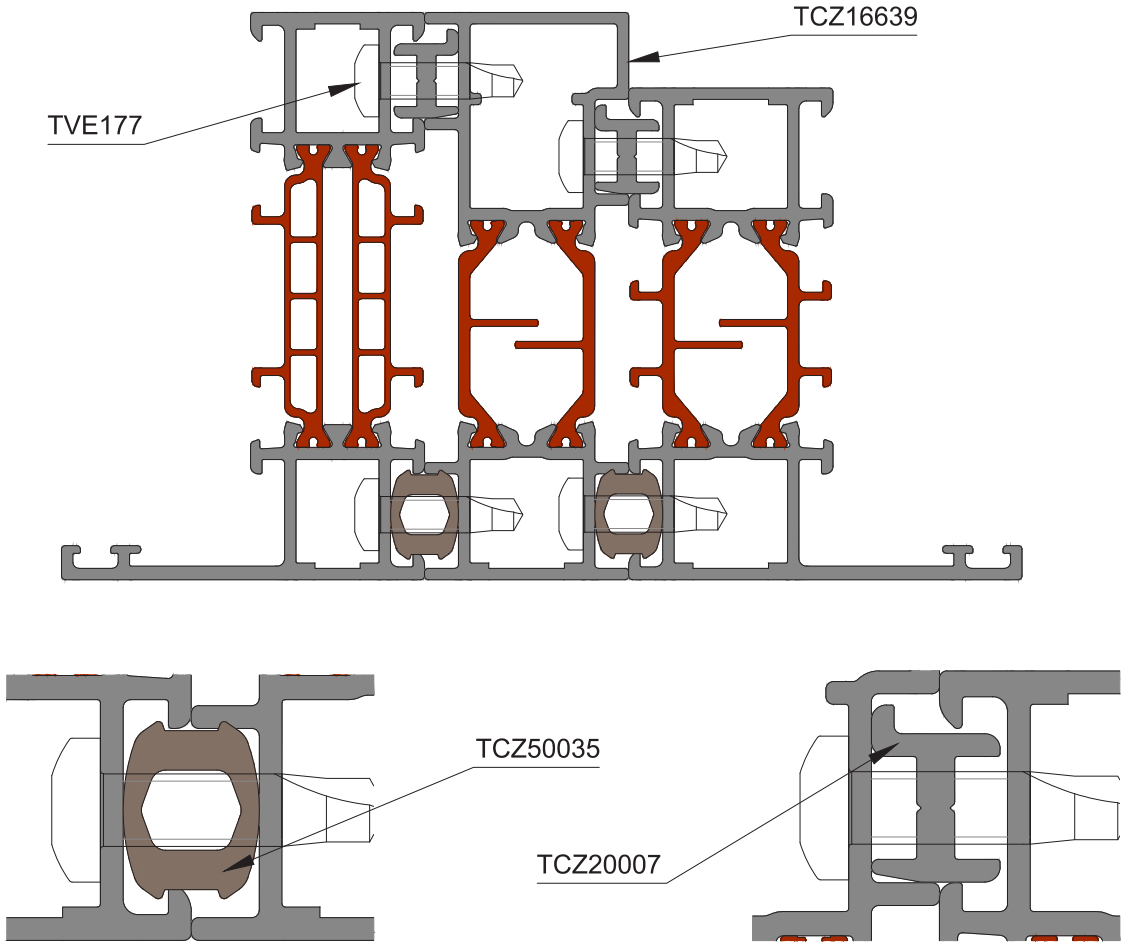
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

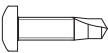
Coupling profile 75/75

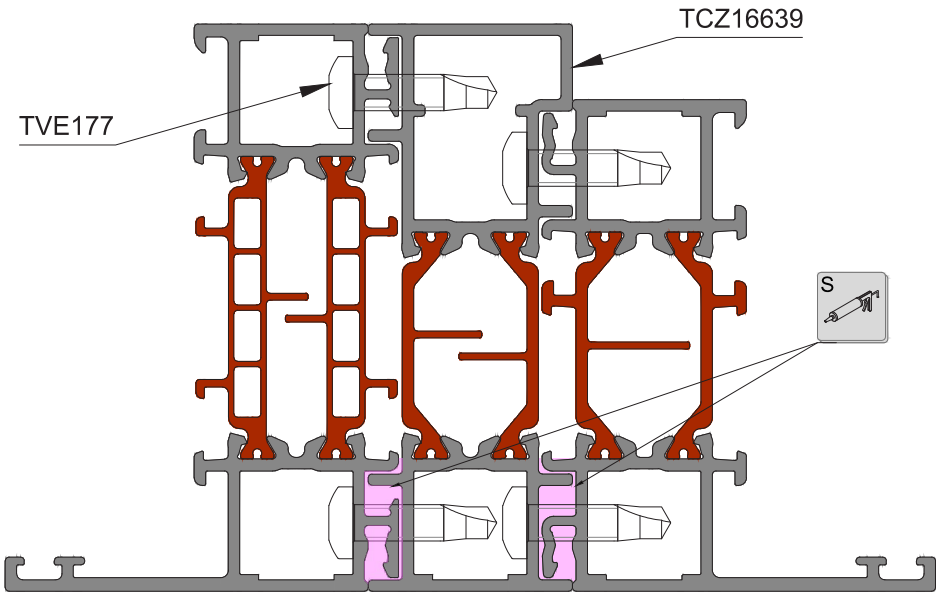
DIG-0002460 Rev. B



	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H



	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

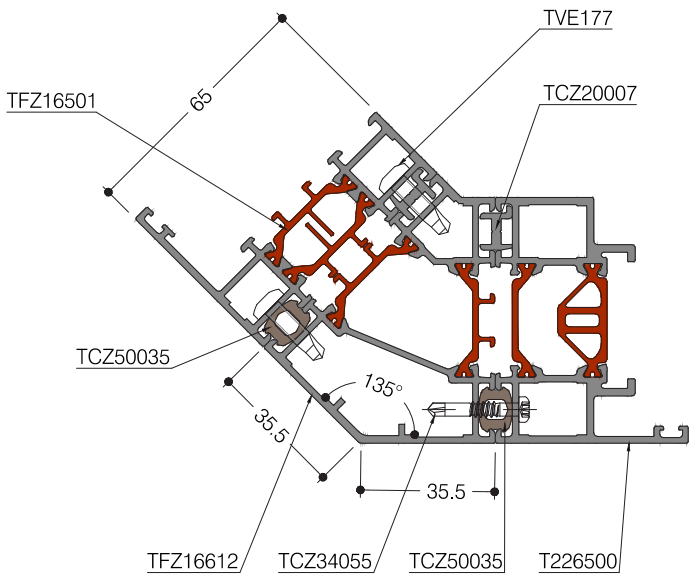
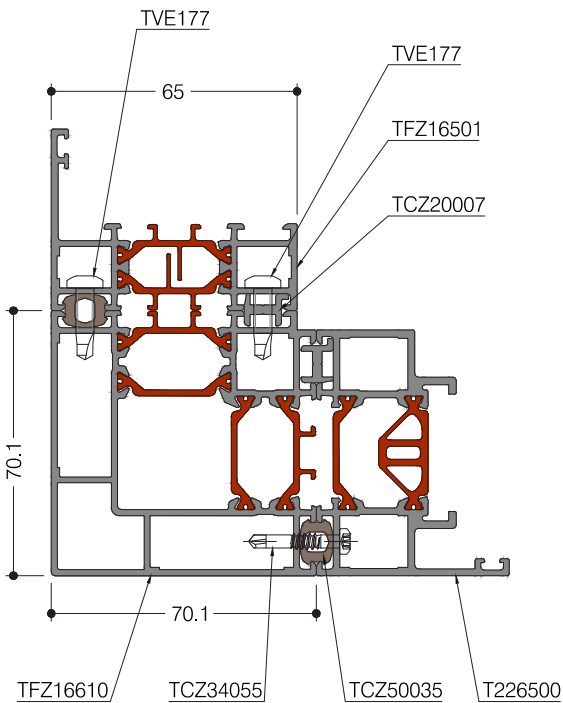
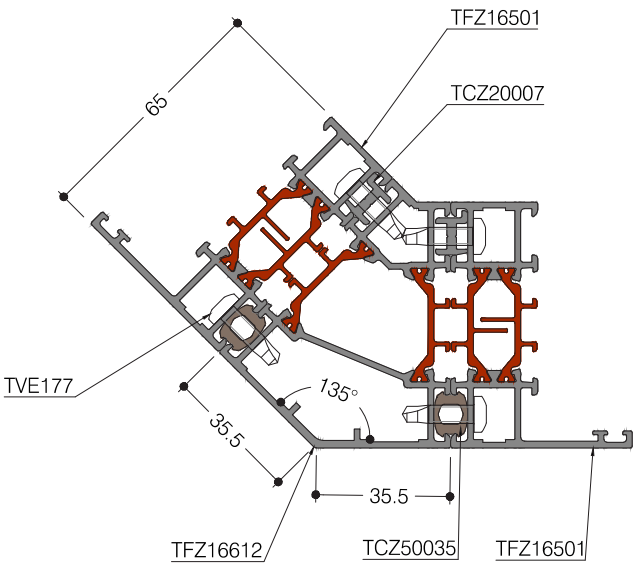
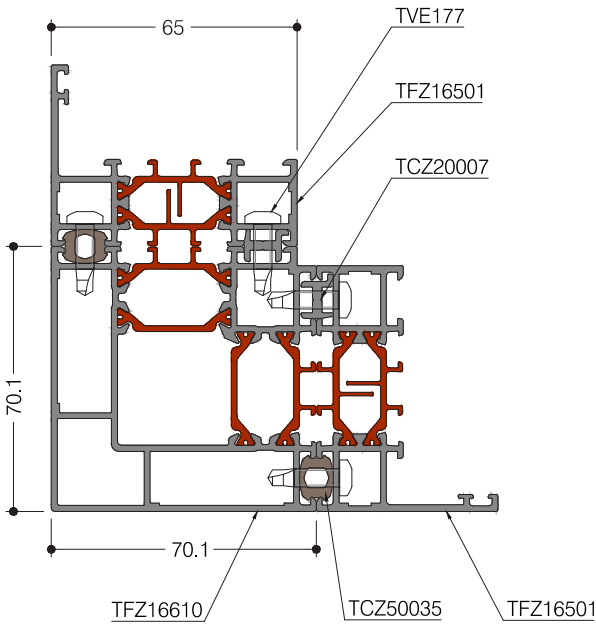


Coupling profile 65/65 Corner post



: Pay attention position screws at inner corner to avoid conflict between screws.

DIG-0003738 Rev. D



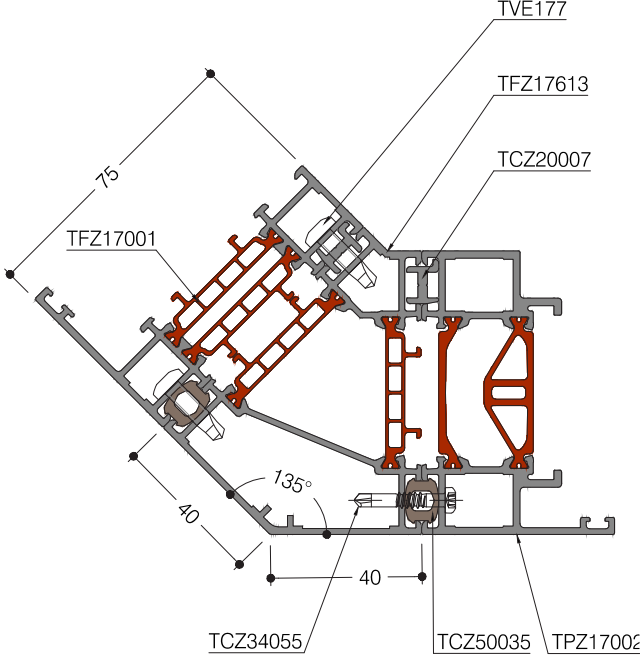
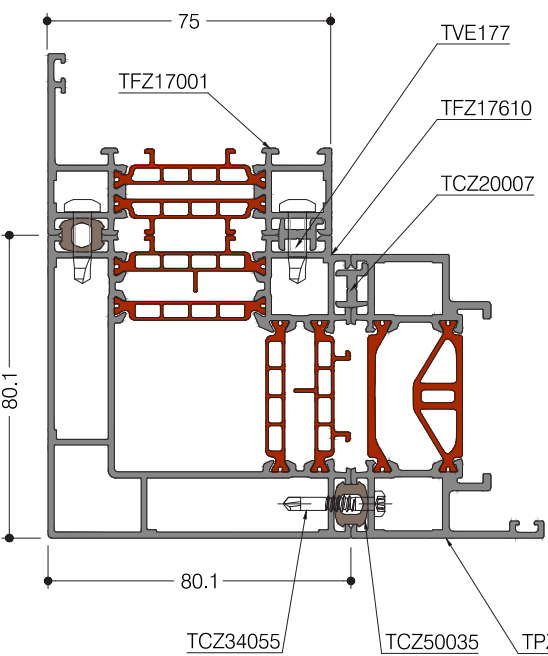
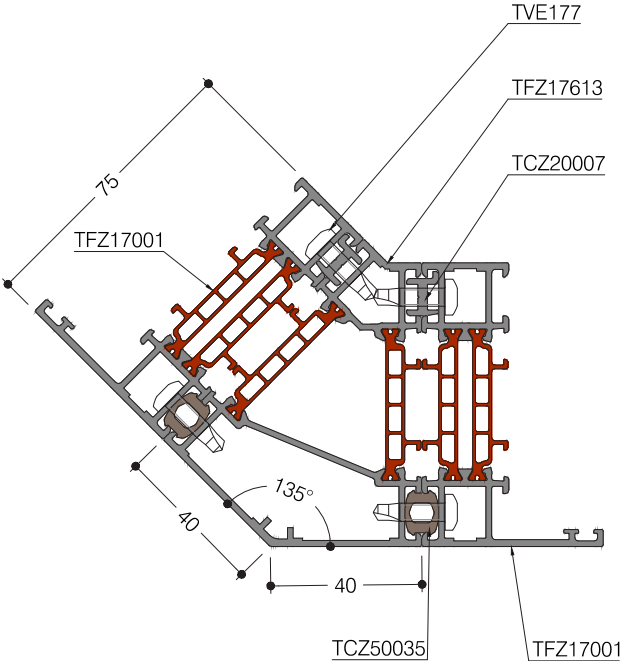
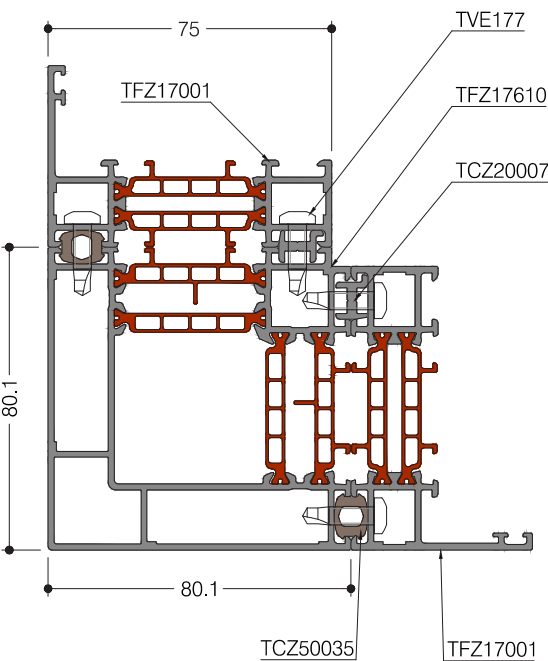
	TCZ34055	3/Lm
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

Coupling profile 75/75 Corner post



: Pay attention position screws at inner corner to avoid conflict between screws.

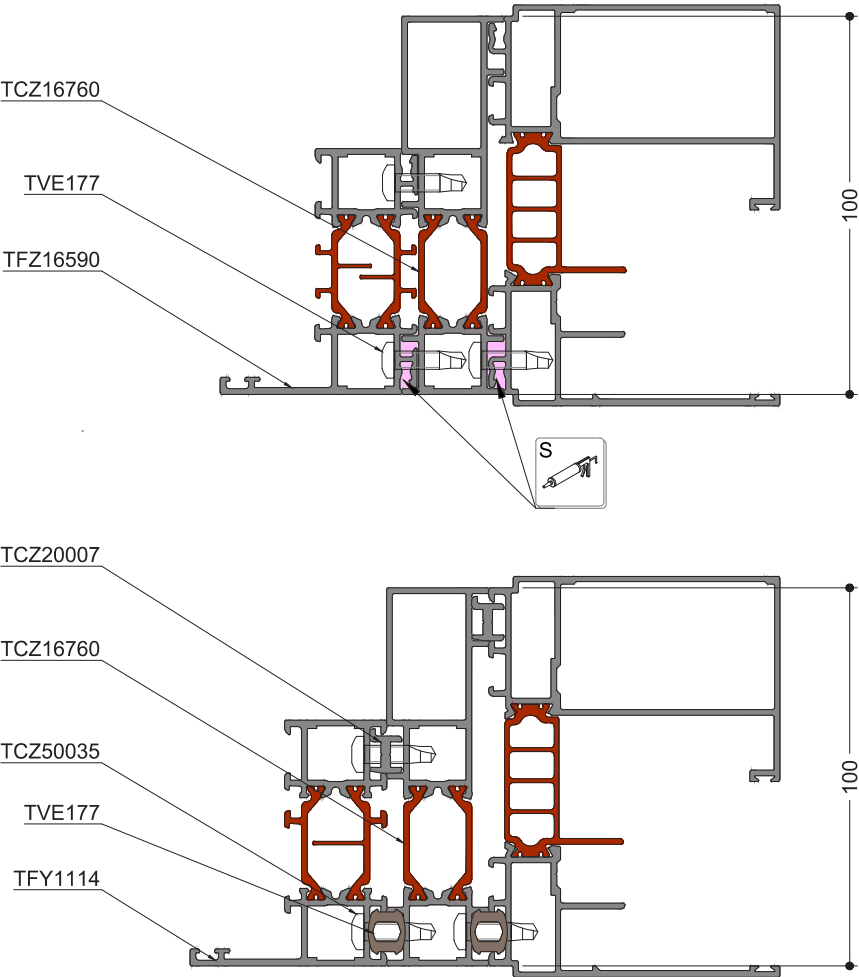
DIG-0002553 Rev. D



	TCZ34055	3/Lm
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

65 Coupling for 100mm sliding system

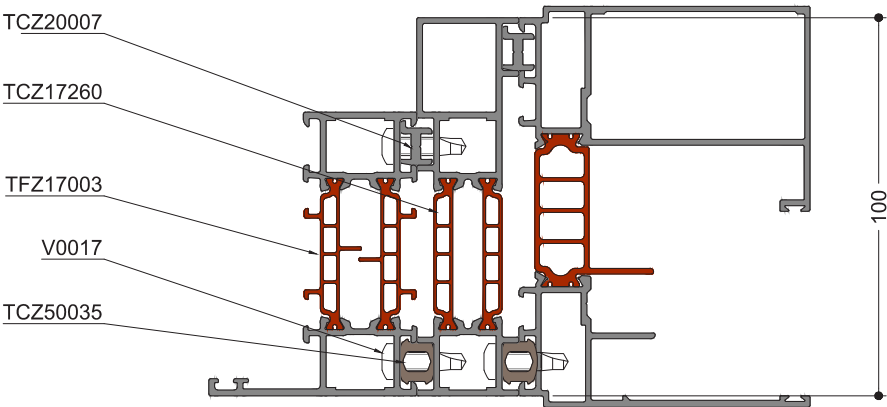
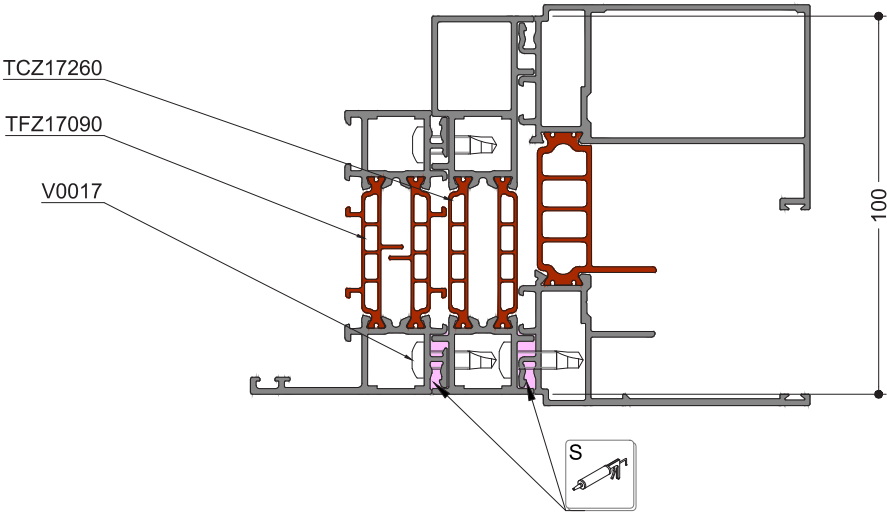
DIG-0005184 Rev. A



	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

75 Coupling for 100mm sliding system

DIG-0005185 Rev. A

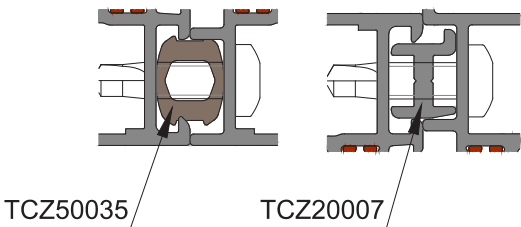
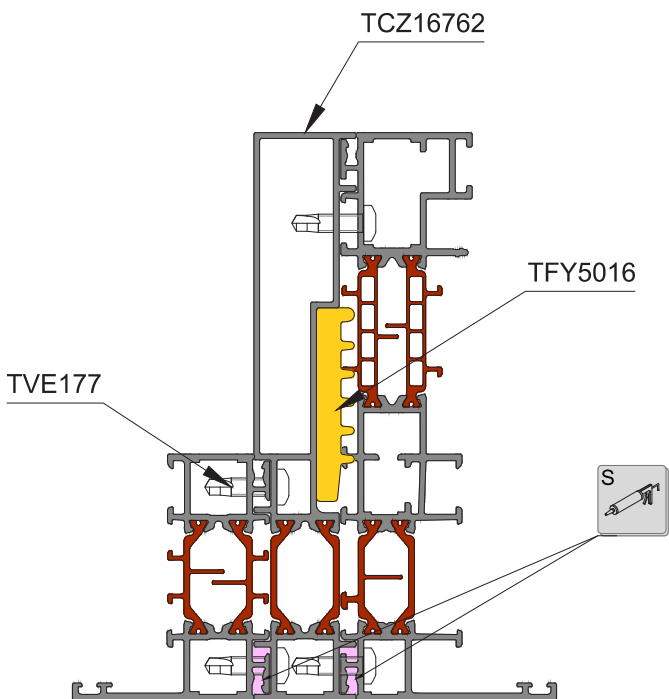
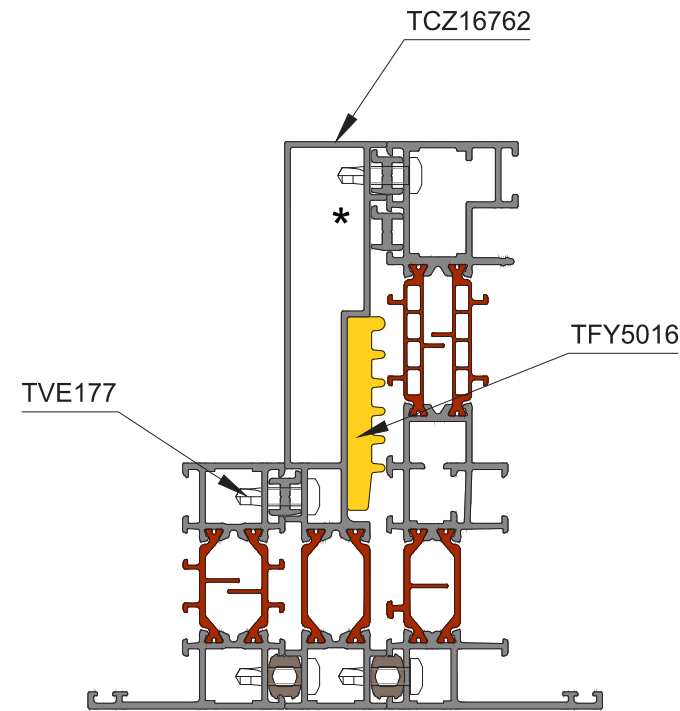


	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

Coupling for 150mm pull and slide system

* : TCZ20007 In front of sash locking point.

DIG-0004652 Rev. C

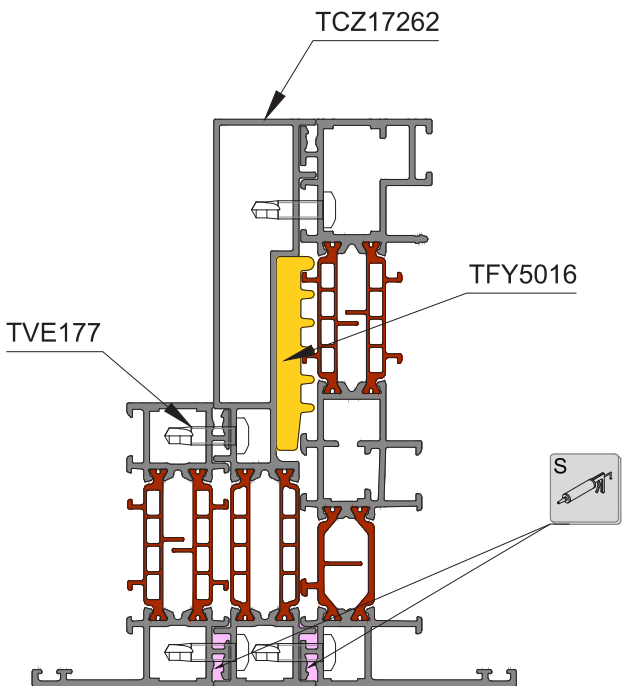
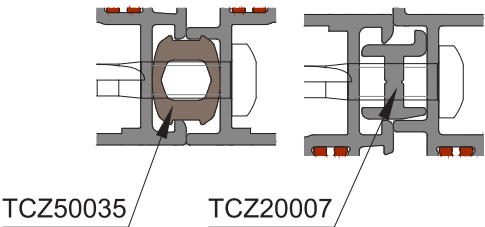
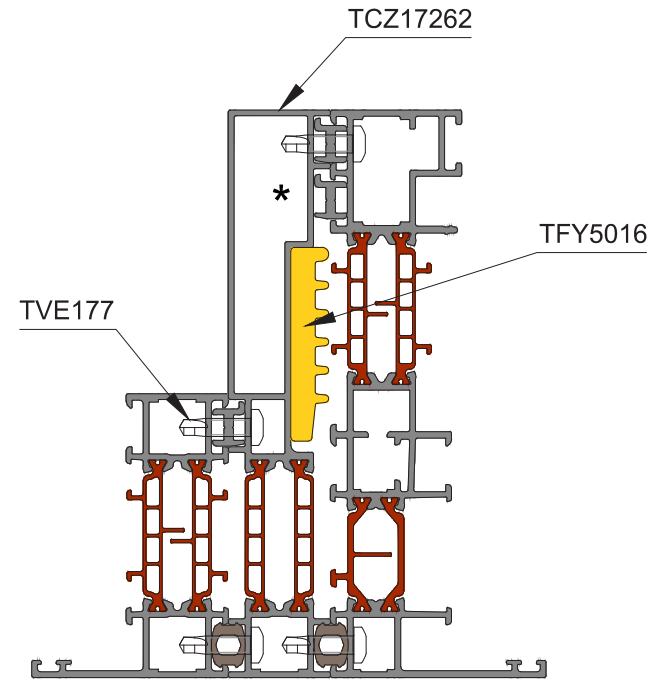


	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

Coupling for 150mm pull and slide system

* : TCZ20007 In front of sash locking point.

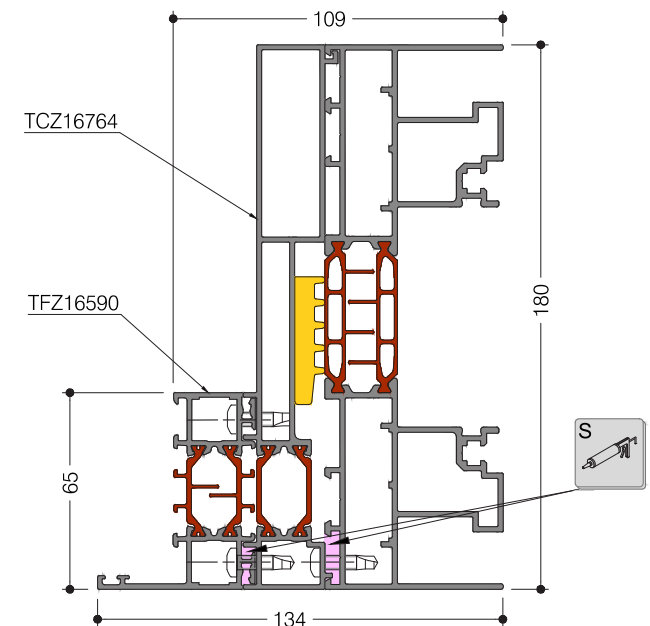
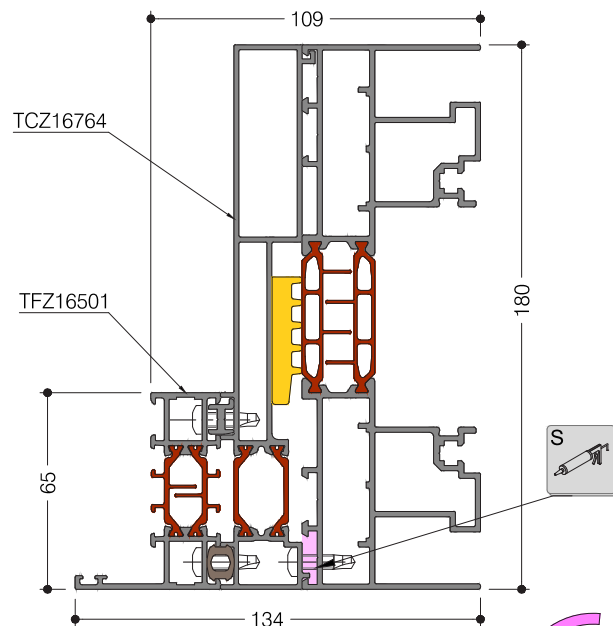
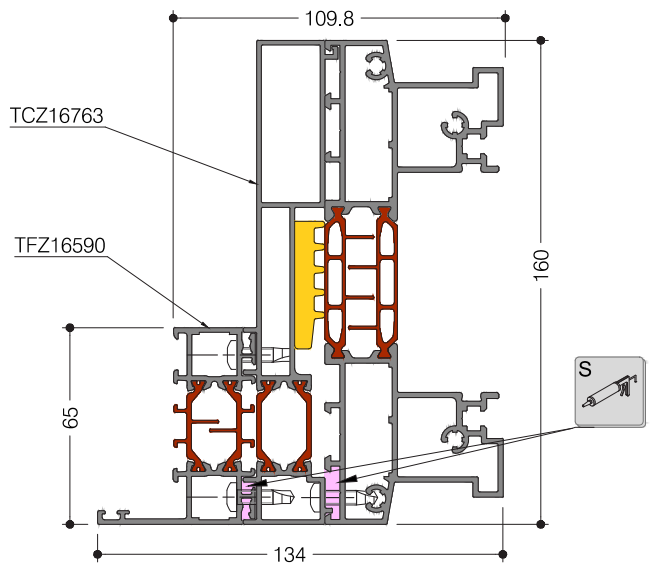
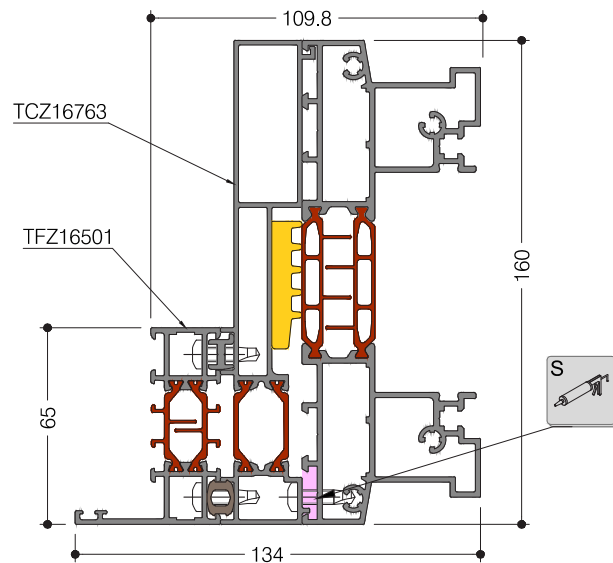
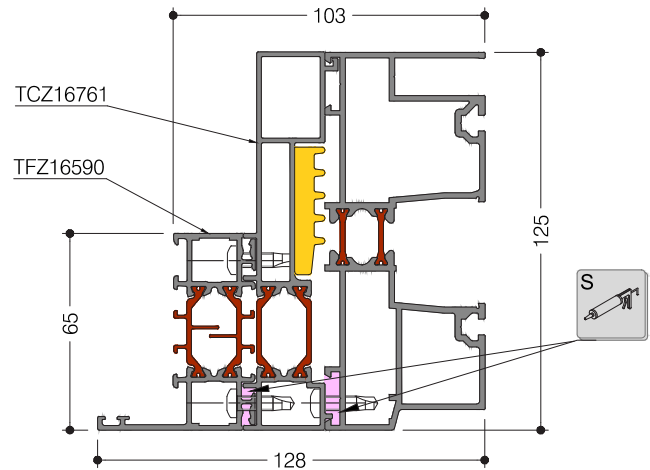
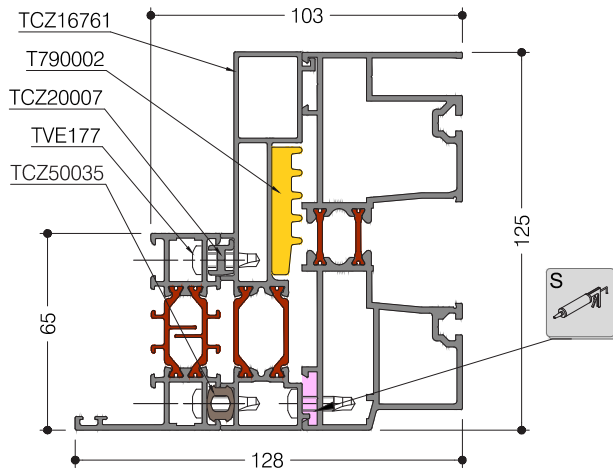
DIG-0002873 Rev. C



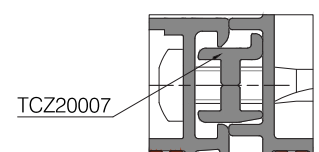
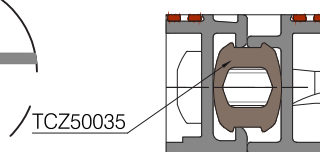
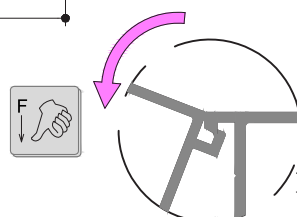
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

65 Coupling for 125 -160 and 180 mm lift and slide system

DIG-0005168 Rev. A



	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

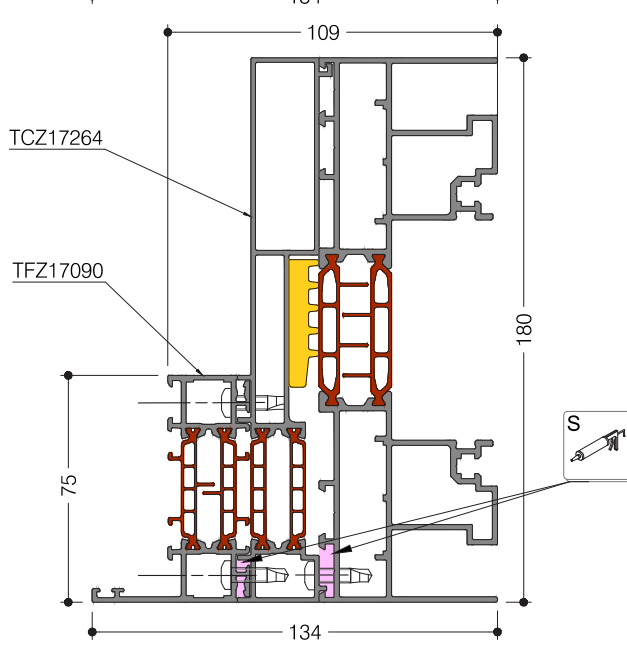
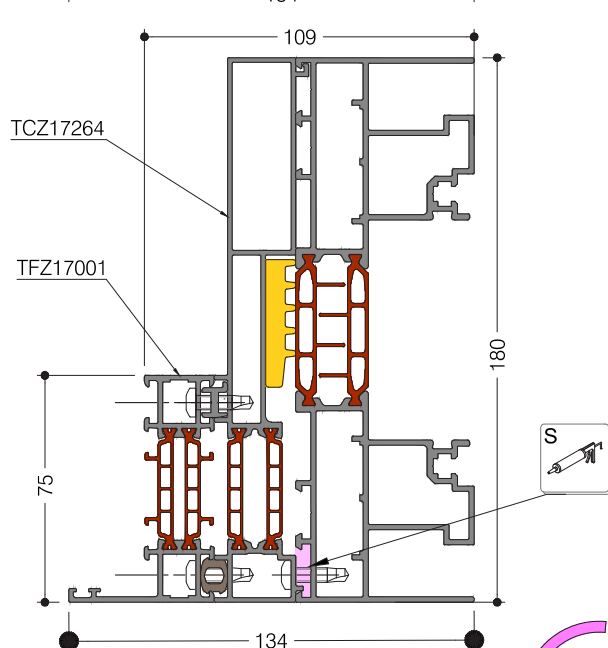
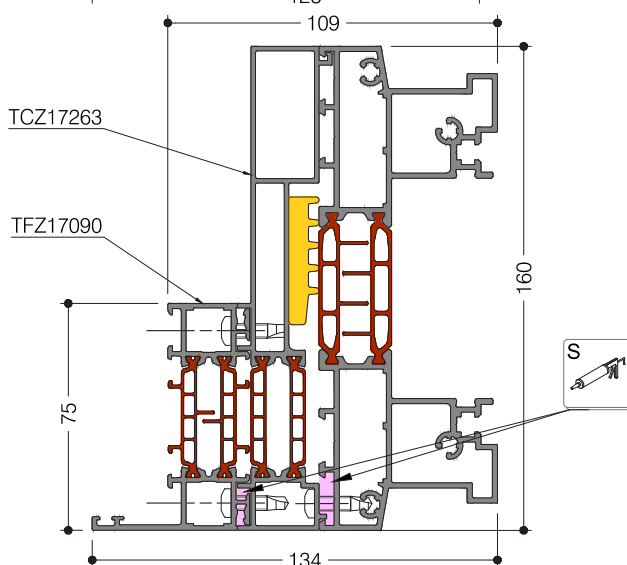
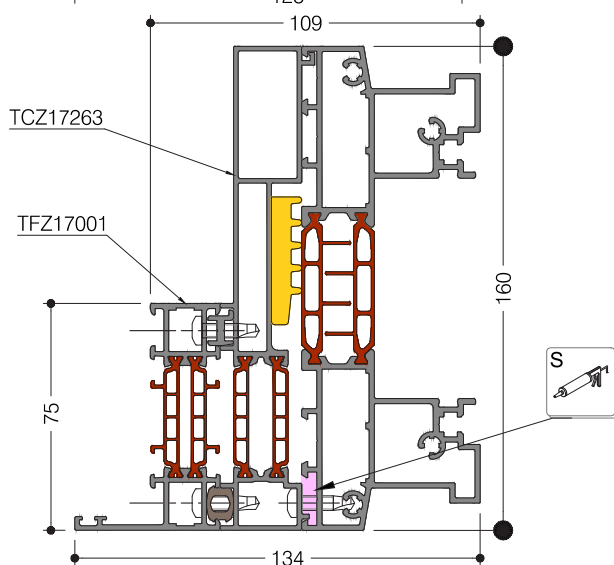
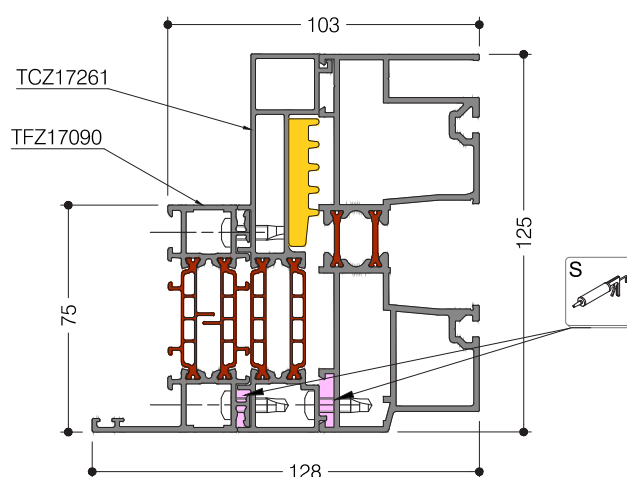
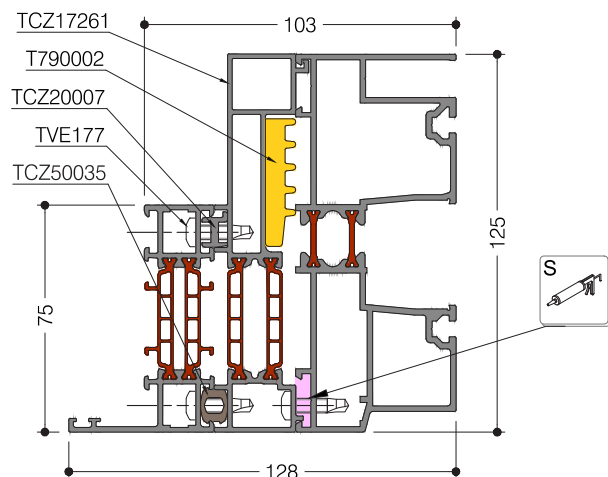


75 Coupling for 125 -160 and 180 mm lift and slide system

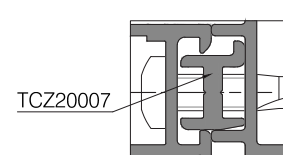
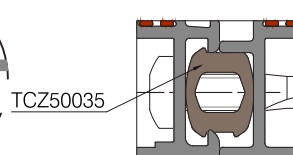
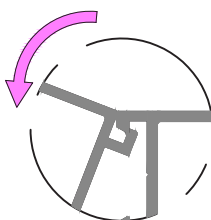
DIG-0005169 Rev.A

TECHNAL®

I COUPLING - INTEGRATION



	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H



Coupling profiles 65-75 - Fixings on coupling profiles

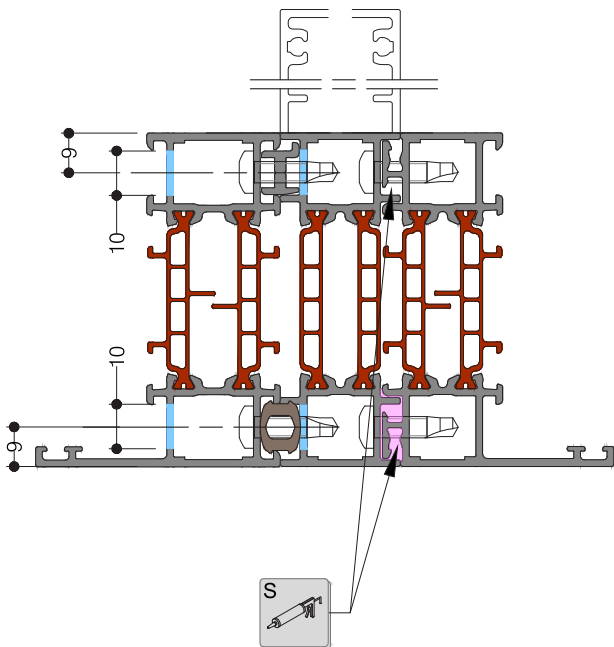
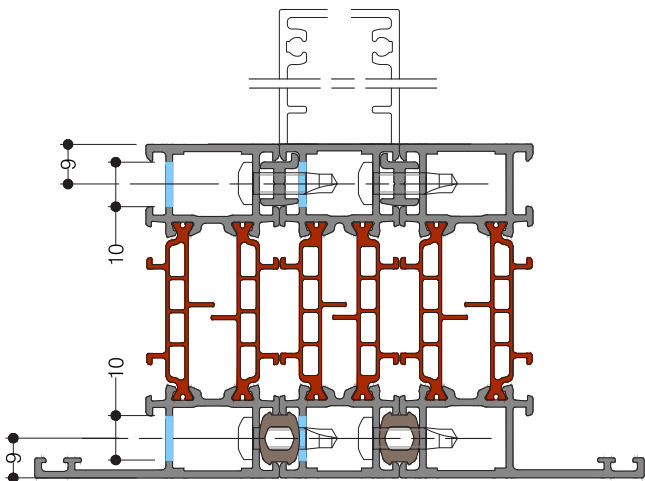
DIG-0002914 Rev. B

65 TFZ16542 , TFZ16601

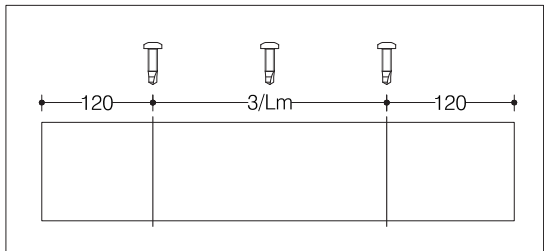
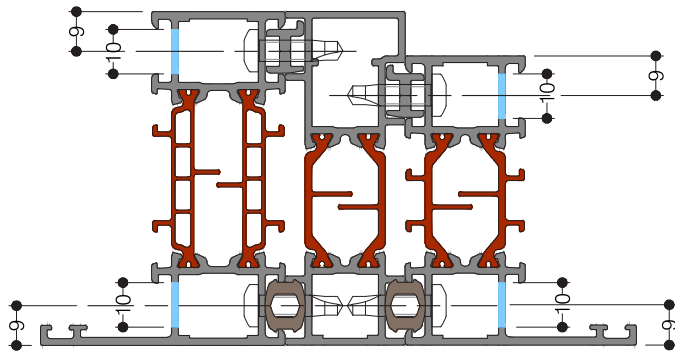
75 TFZ17542 , TFZ17601

65 TCZ16638 , TCZ16602 , TCZ16638

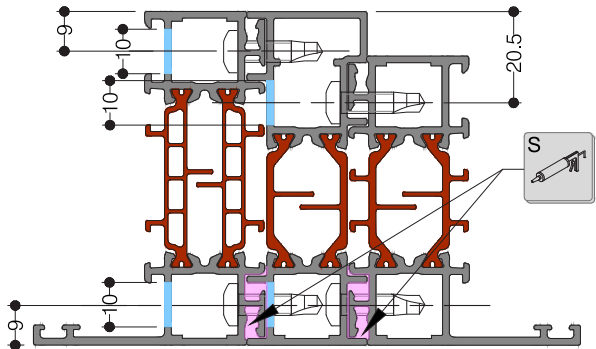
75 TCZ17638 , TFZ17702 , TCZ17638



65 TCZ16639
75



65 TCZ16639
75



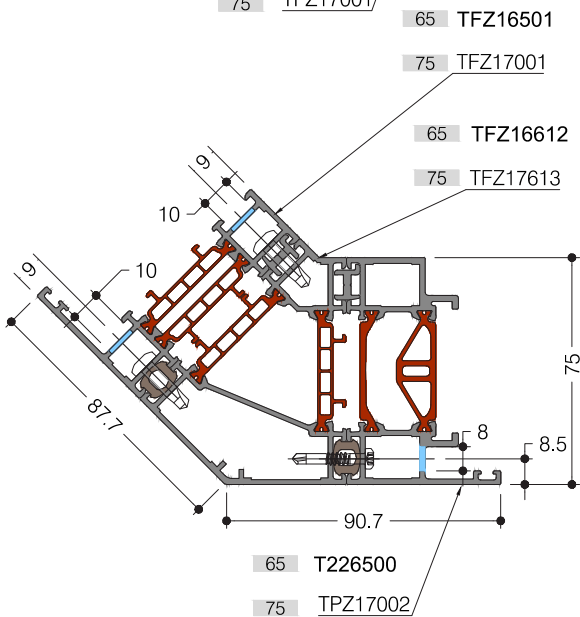
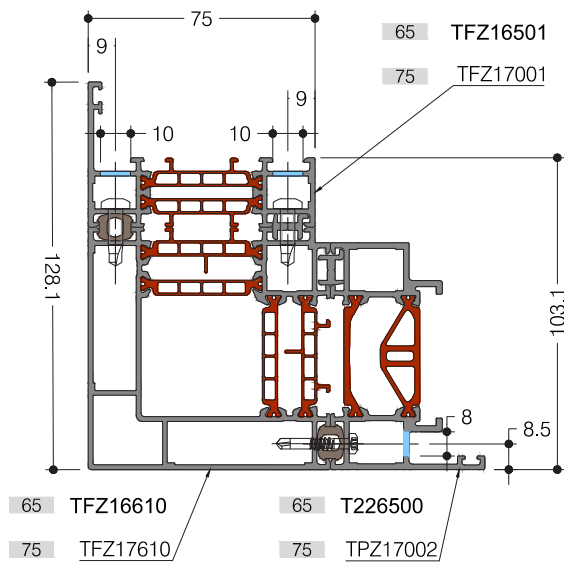
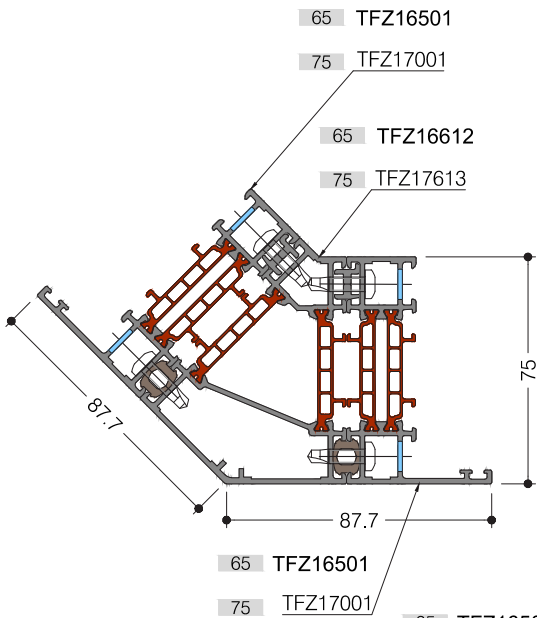
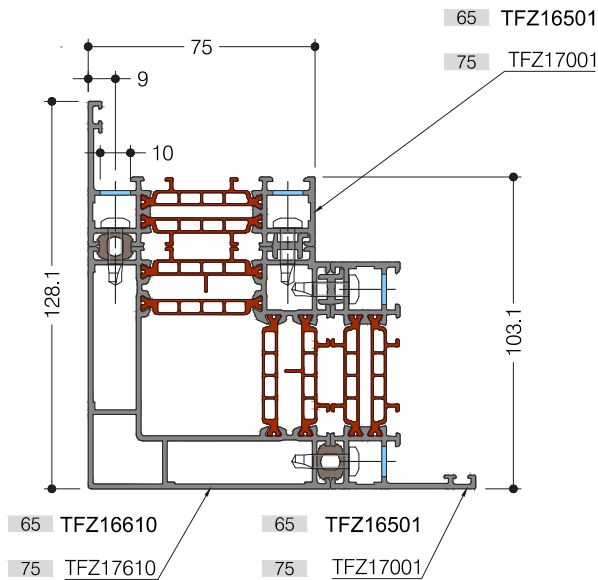
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

Represented in module 75

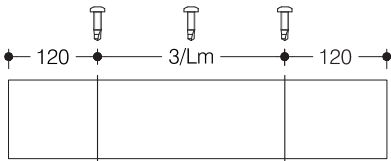
65 75

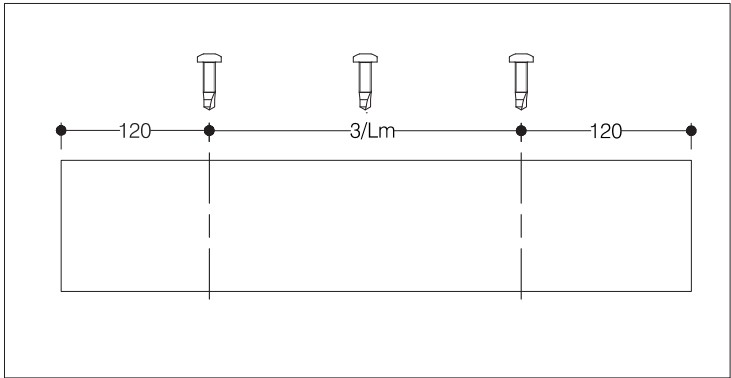
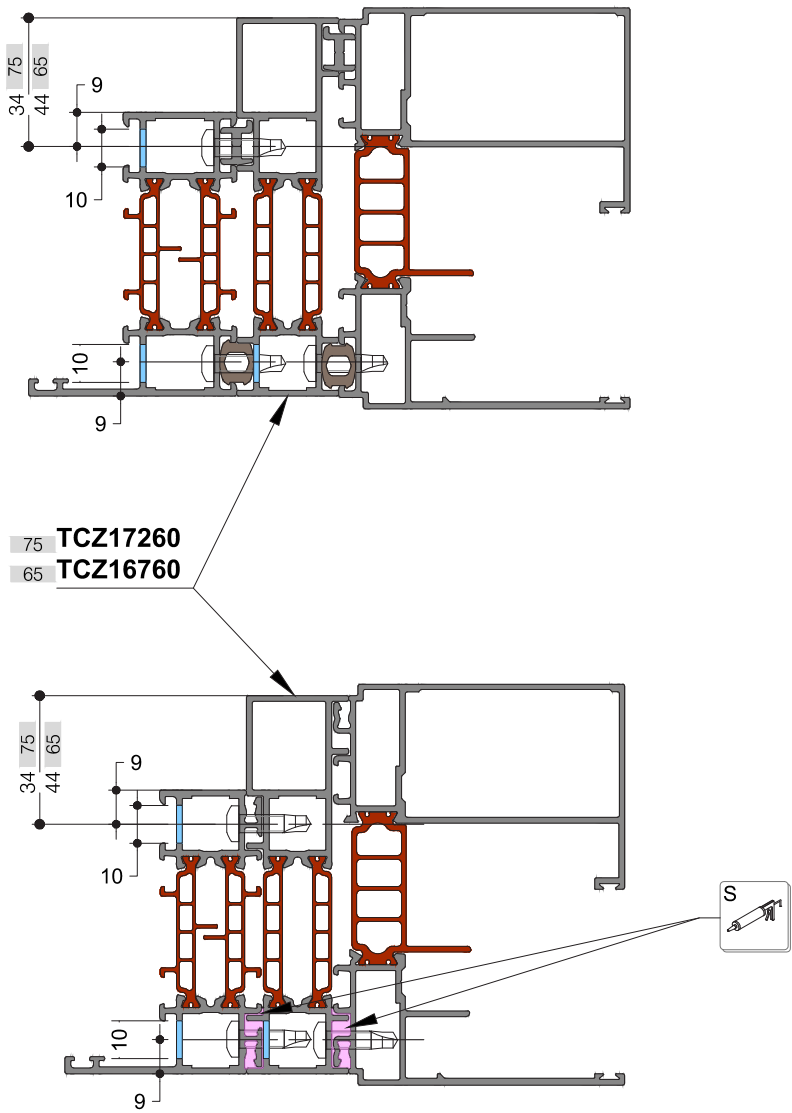
Coupling profiles 65 - 75 Corner post - Machining of coupling profiles

DIG-0005182 Rev. A



	TCZ34055	3/Lm
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H





	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

ASSEMBLY

65/75 Coupling for 150mm sliding system - Machining of coupling profiles

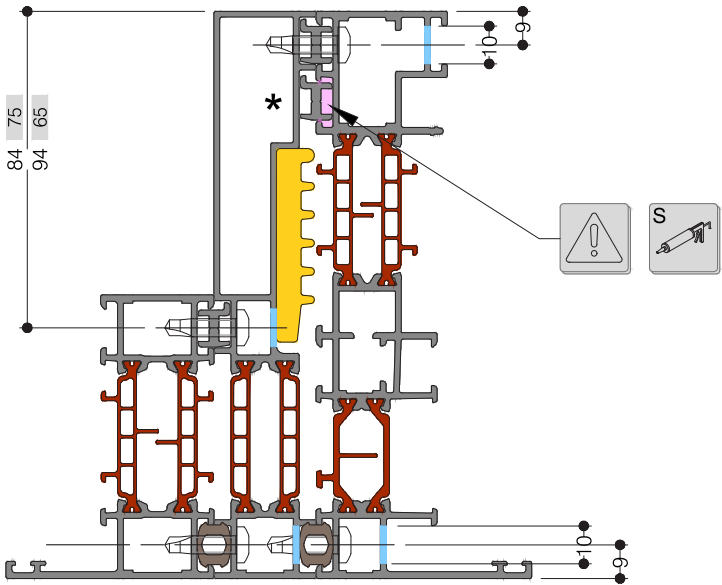


Punctual silicone, only to retain before assembly.

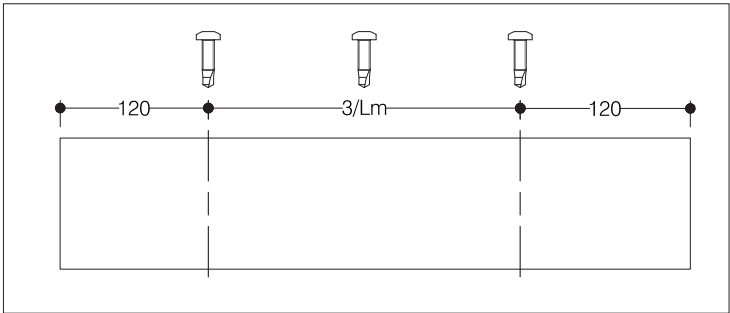
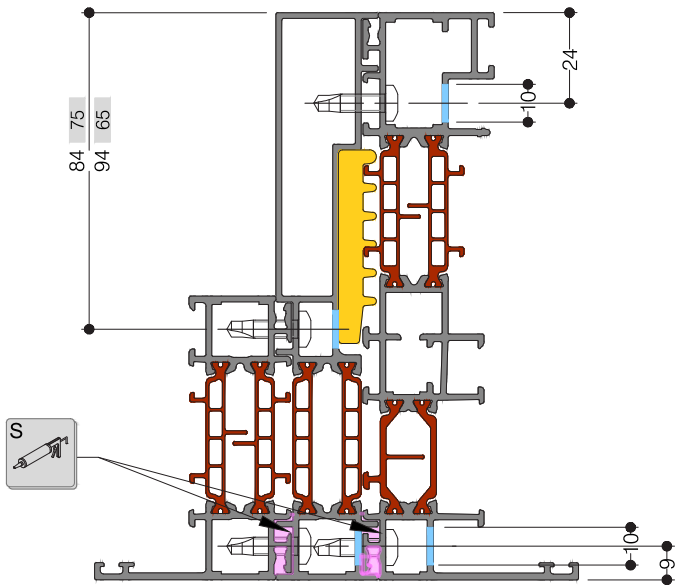
* : TCZ20007 In front of sash locking point.

DIG-0002915 Rev. B

75 TCZ17262
65 TCZ16762



75 TCZ17262
65 TCZ16762



	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H

Represented in module 75

65 75

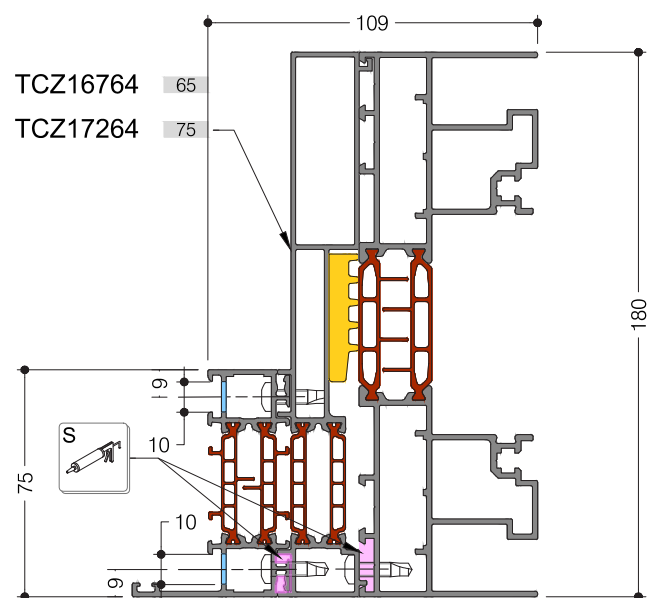
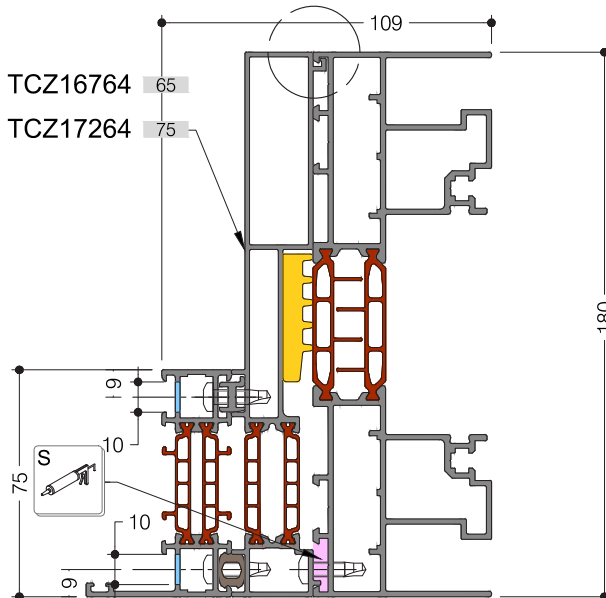
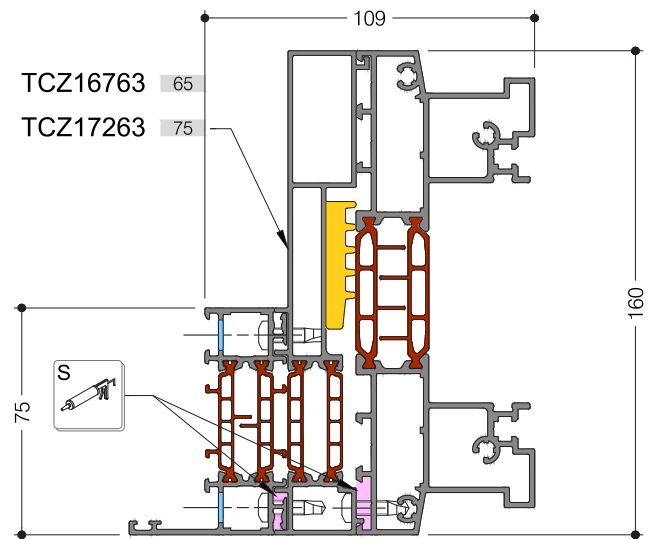
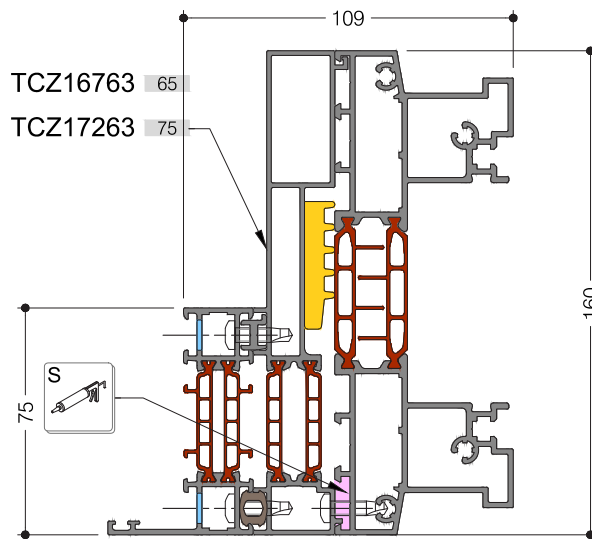
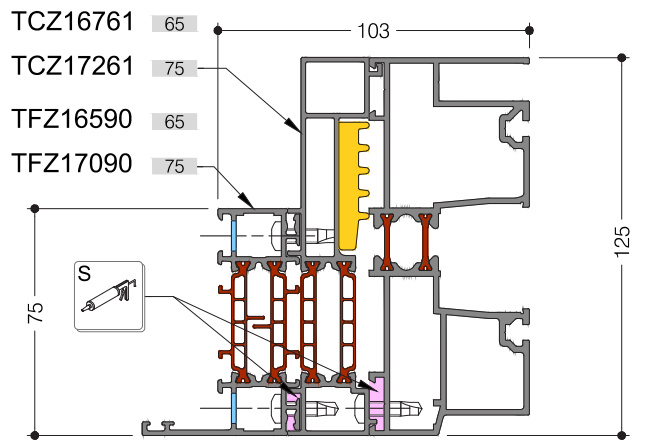
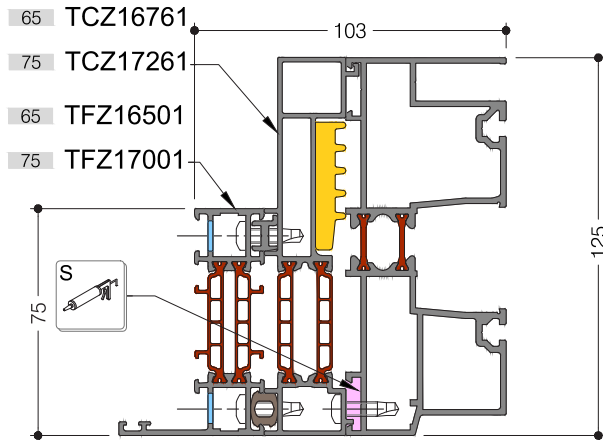
ASSEMBLY

65/75 Coupling for 125 -160 and 180 mm - Machining of coupling profiles

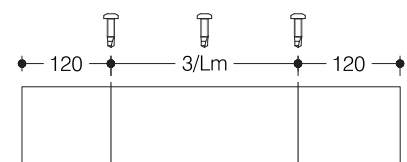
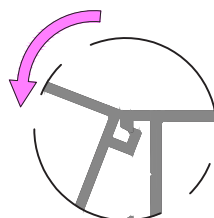
DIG-0005186 Rev. A

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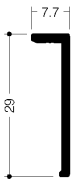
	TVE177	3/Lm
	TCZ50035	H
	TCZ20007	H



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Summary

I



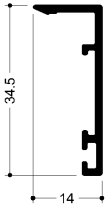
T591180
Architrave 25mm BTC



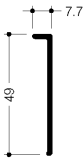
TGY2122
Architrave 105mm BTC



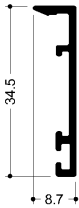
TCZ20001
Architrave 35mm BTC



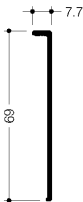
TCZ20207
Architrave 35mm BTC



T591181
Architrave 45mm BTC



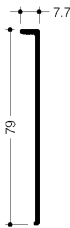
TCZ20208
Architrave 35mm BTC



T591182
Architrave 65mm BTC



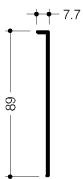
TCZ20209
Architrave 42mm BTC



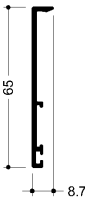
TCZ20005
Architrave 75mm BTC



TCZ20210
Architrave 55mm BTC

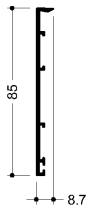


TGY2121
Architrave 85mm BTC

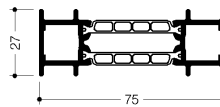


TCZ20211
Architrave 65mm BTC

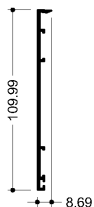
Additional profiles



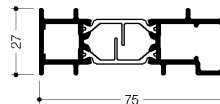
TCZ20212
Architrave 85mm BTC



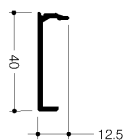
TCZ17638
75 Coupling profile 27mm



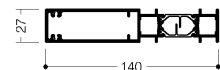
TCZ20213
Architrave 110mm BTC



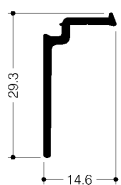
TCZ16639
65-75 Connection profile 27mm



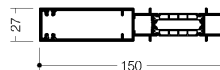
TCZ20217
Architrave 40mm BTC



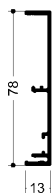
TCZ16602
65 Mullion 27/140mm reinforced



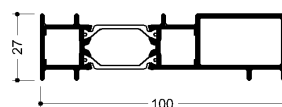
T530054
Architrave 25mm



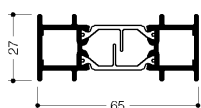
TCZ17702
75 Mullion 27/150mm reinforced



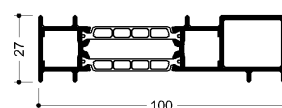
T591196
Architrave 78mm



TCZ16760
65 Coupling profile 27/100mm



TCZ16638
65 Coupling profile 27mm

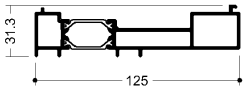


TCZ17260
75 Coupling profile 27/100mm

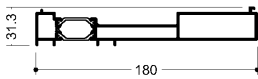
PROFILE

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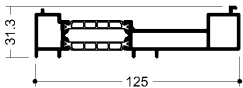
Additional profiles



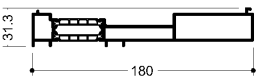
TCZ16761
65 Coupling profile 27/125mm



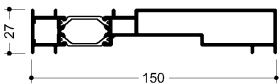
TCZ16764
65 Coupling profile 27/180mm



TCZ17261
75 Coupling profile 27/125mm



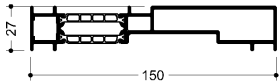
TCZ17264
75 Coupling profile 27/180mm



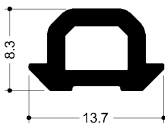
TCZ16762
65 Coupling profile 27/150mm



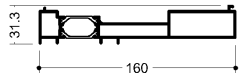
TCZ20007
Connection profile
Application: for BTC-groove



TCZ17262
75 Coupling profile 27/150mm



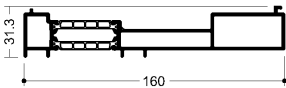
TCZ20072
Coupling profile



TCZ16763
65 Coupling profile 27/160mm



TCZ20073
Coupling profile



TCZ17263
75 Coupling profile 27/160mm



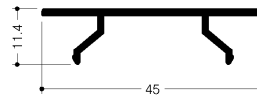
TCZ20197
Coupling profile BTC

SUMMARY

Additional profiles



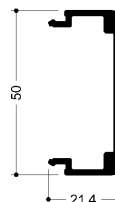
T591207
Pressing groove cover 8mm
Application: open in



TGT2600
Clip profile 45mm



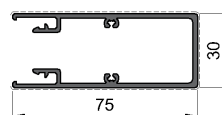
TCZ20747
Coupling profile 11,5x43mm



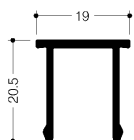
TCZ20286
Clip profile 50/15mm



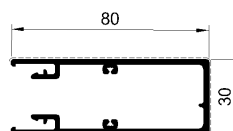
TCZ20263
Coupling profile



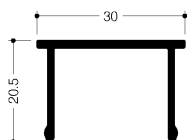
TCZ20097
Cover profile 30/75mm



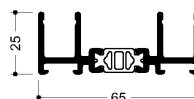
TPY2511
Clip profile 19mm



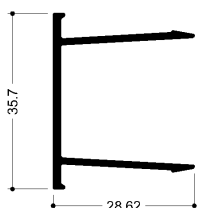
TCZ20098
Cover profile 30/80mm



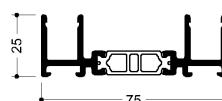
TGT2603
Clip profile 30mm



TCZ16815
65 Expansion profile



TCZ20219
Clip profile 35,7mm

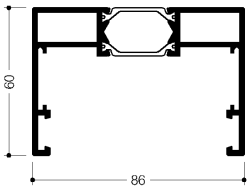


TCZ17816
75 Expansion profile

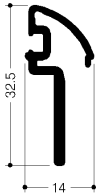
PROFILE

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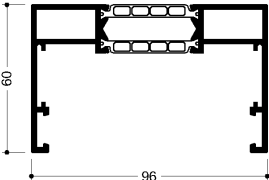
Additional profiles



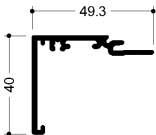
TCZ16307
65 Expansion profile top



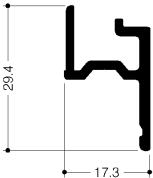
TCZ20237
Additional profile dilatation



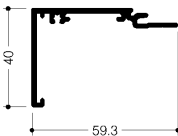
TCZ17307
75 Expansion profile top



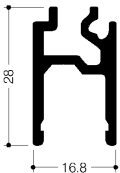
TGY2129
Insulation trim 40/31mm BTC pre-drilled



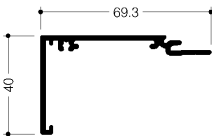
T3991280
Additional profile dilatation



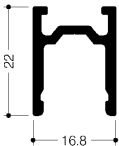
TFY2101
Insulation trim 40/41mm BTC pre-drilled



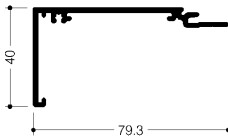
TAA2462
Expansion profile 16,8x25mm



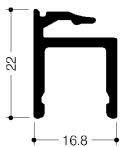
TGY2130
Insulation trim 40/51mm BTC pre-drilled



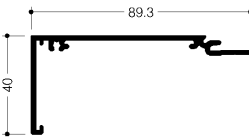
TCZ20055
Expansion profile 22/16mm



TFY2102
Insulation trim 40/61mm BTC pre-drilled



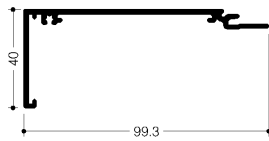
TCZ20056
Expansion profile 22/16mm



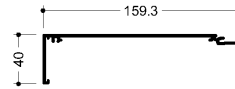
TGY2131
Insulation trim 40/71mm BTC pre-drilled

SUMMARY

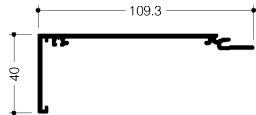
Additional profiles



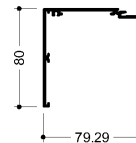
TFY2103
Insulation trim 40/81mm BTC
pre-drilled



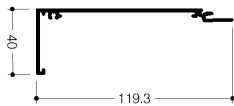
TGY2128
Insulation trim 40/200mm BTC
pre-drilled



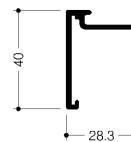
TGY2132
Insulation trim 40/91mm BTC
pre-drilled



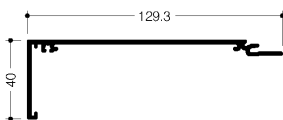
TFY2509
Insulation trim 60/80mm BTC
pre-drilled



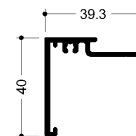
TFY2104
Insulation trim 40/101mm BTC
pre-drilled



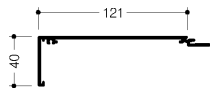
TGY2501
Insulation trim 40/10mm pre-
drilled



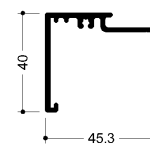
TGY2133
Insulation trim 40/111mm BTC
pre-drilled



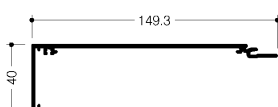
T700076
Insulation trim 40/21mm pre-
drilled



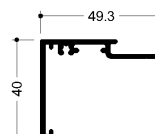
TFY2510
Insulation trim 40/121mm BTC
pre-drilled



TCZ20335
Insulation trim 40/27mm pre-
drilled

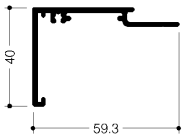


TGY2134
Insulation trim 40/131mm BTC
pre-drilled

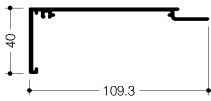


TGY2504
Insulation trim 40/31mm pre-
drilled

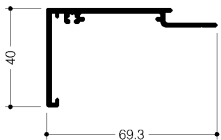
TECHNICAL
Additional profiles



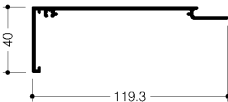
T700077
Insulation trim 40/41mm pre-drilled



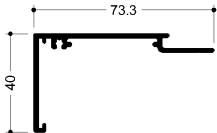
TGY2508
Insulation trim 40/91mm pre-drilled



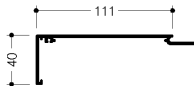
TGY2506
Insulation trim 40/51mm pre-drilled



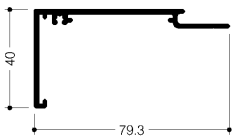
T700080
Insulation trim 40/101mm pre-drilled



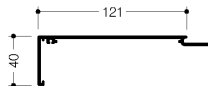
TGY2500
Insulation trim 40/55mm pre-drilled



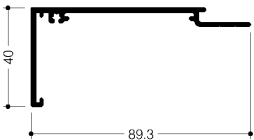
TGY2109
Insulation trim 40/111mm pre-drilled



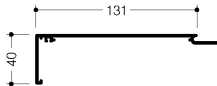
T700078
Insulation trim 40/61mm pre-drilled



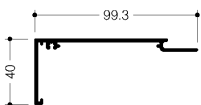
TGY2111
Insulation trim 40/121mm pre-drilled



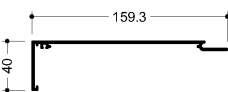
TGY2507
Insulation trim 40/71mm pre-drilled



TGY2110
Insulation trim 40/131mm pre-drilled



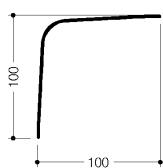
T700079
Insulation trim 40/81mm pre-drilled



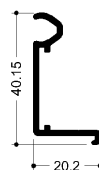
TGY2112
Insulation trim 40/200mm pre-drilled

SUMMARY

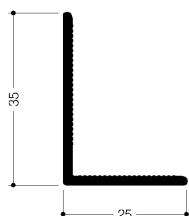
Additional profiles



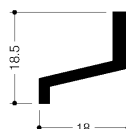
T3090142
Finishing trim renovation



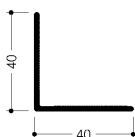
TCZ20229
Additional profile for membrane



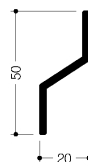
T591169
Finishing profile 25/35mm



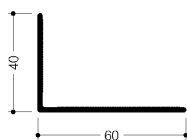
TCZ20198
Weather bar 18x18,5mm



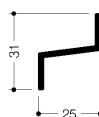
T591242
Finishing profile 40/40mm



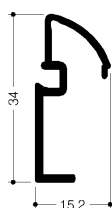
TCZ20763
Weather bar 20/50mm



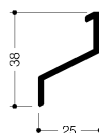
T591243
Finishing profile 40/60mm



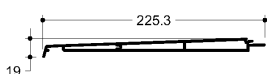
TCZ20808
Weather bar 25/31mm



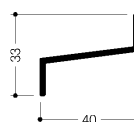
TCZ20234
Finishing profile 8/20mm



TCZ20793
Weather bar 25/38mm

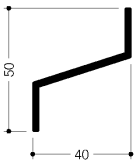


TGY2119
Cill 207mm BTC pre-drilled

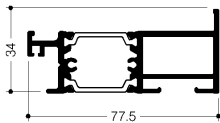


TCZ20807
Weather bar 40/33mm

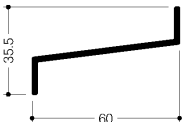
TECHNICAL
Additional profiles



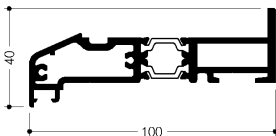
TCZ20762
Weather bar 40/50mm



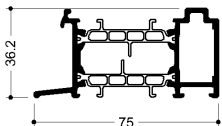
TCZ17081
75 Sub-cill



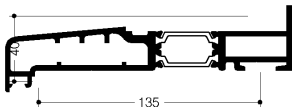
TCZ20809
Weather bar 60/35.5mm



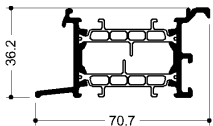
TCZ17676
75 Sub-cill 100mm



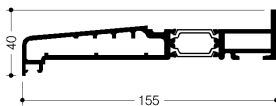
TCZ17832
75 Sub-cill



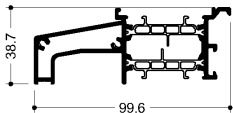
TCZ17673
75 Sub-cill 135mm



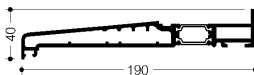
TCZ17831
75 Sub-cill



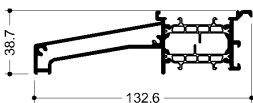
TCZ17674
75 Sub-cill 155mm



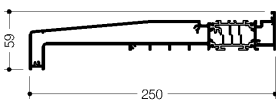
TCZ17826
75 Sub-cill 100mm



TCZ17675
75 Sub-cill 190mm



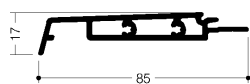
TCZ17827
75 Sub-cill 133mm



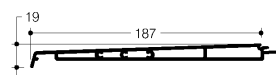
TCZ17108
75 Sub-cill 250mm

SUMMARY

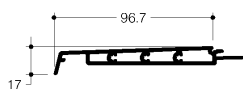
Additional profiles



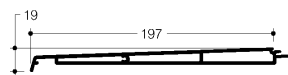
TFY2105
Cill 67mm BTC pre-drilled



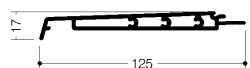
TGY2117
Cill 187mm BTC pre-drilled



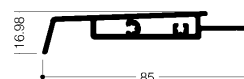
TGY2125
Cill 97mm BTC pre-drilled



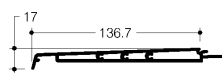
TGY2120
Cill 197mm BTC pre-drilled



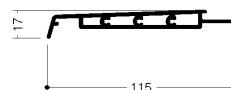
TFY2106
Cill 107mm BTC pre-drilled



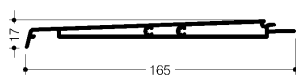
T700081
Cill 67mm pre-drilled



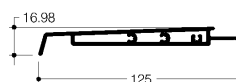
TGY2126
Cill 137mm BTC pre-drilled



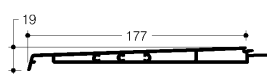
TGY2517
Cill 97mm pre-drilled



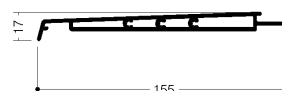
TFY2107
Cill 147mm BTC pre-drilled



T700082
Cill 107mm pre-drilled



TGY2118
Cill 177mm BTC pre-drilled

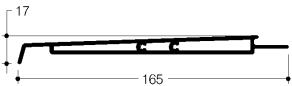


TGY2518
Cill 137mm pre-drilled

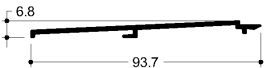
PROFILE

TECHNAL®

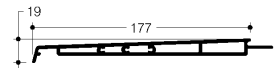
Additional profiles



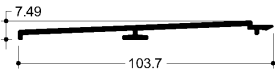
T700083
Cill 147mm pre-drilled



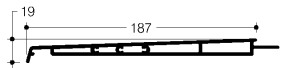
TCZ20232
Cill 85mm BTC



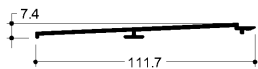
TGY2114
Cill 177mm pre-drilled



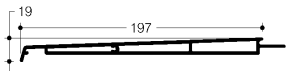
TCZ20235
Cill 95mm BTC



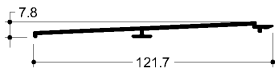
TGY2113
Cill 187mm pre-drilled



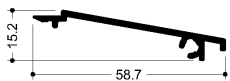
TCZ20236
Cill 102mm BTC



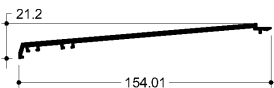
TGY2116
Cill 197mm pre-drilled



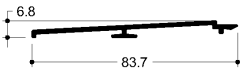
TCZ20239
Cill 112mm BTC



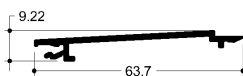
TCZ20284
Cill 50mm BTC



TCZ20240
Cill 140mm BTC



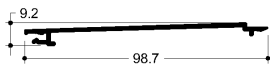
TCZ20231
Cill 75mm BTC



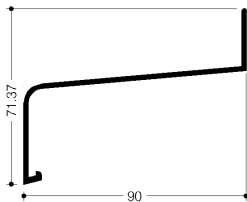
TCZ20230
Profile extender 55mm for cill junction

SUMMARY

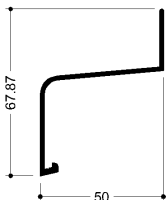
Additional profiles



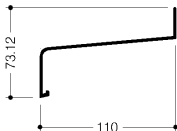
TCZ20233
Cill 90mm BTC



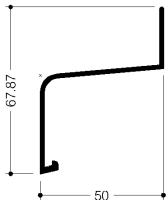
TIZS2003
Cill 90mm pre-drilled



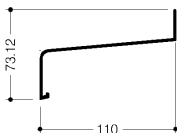
TIZS1001
Cill 50mm



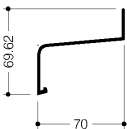
TIZS1004
Cill 110mm



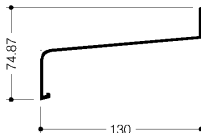
TIZS2001
Cill 50mm pre-drilled



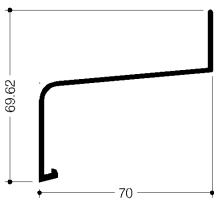
TIZS2004
Cill 110mm pre-drilled



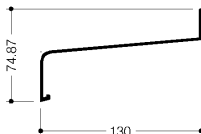
TIZS1002
Cill 70mm



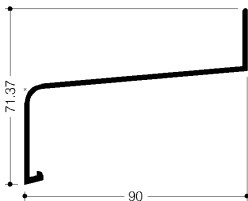
TIZS1005
Cill 130mm



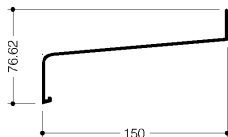
TIZS2002
Cill 70mm pre-drilled



TIZS2005
Cill 130mm pre-drilled



TIZS1003
Cill 90mm

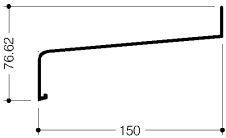


TIZS1006
Cill 150mm

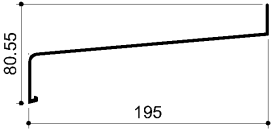
PROFILE

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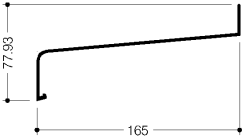
Additional profiles



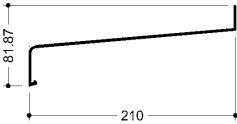
TIZS2006
Cill 150mm pre-drilled



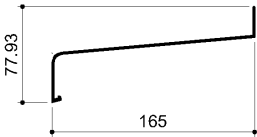
TIZS2009
Cill 195mm pre-drilled



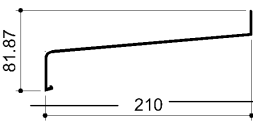
TIZS1007
Cill 165mm



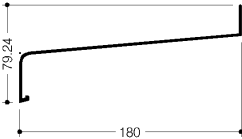
TIZS1010
Cill 210mm



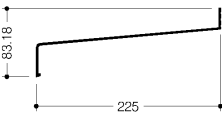
TIZS2007
Cill 165mm pre-drilled



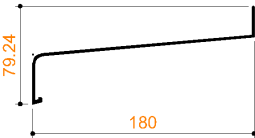
TIZS2010
Cill 210mm pre-drilled



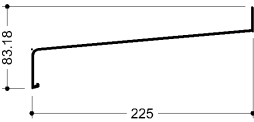
TIZS1008
Cill 180mm



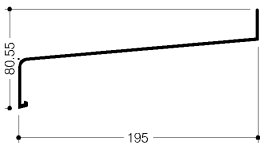
TIZS1011
Cill 225mm



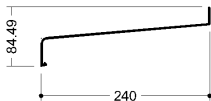
TIZS2008
Cill 180mm pre-drilled



TIZS2011
Cill 225mm pre-drilled



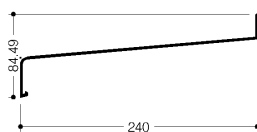
TIZS1009
Cill 195mm



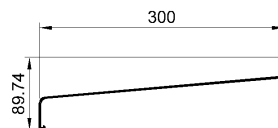
TIZS1012
Cill 240mm

SUMMARY

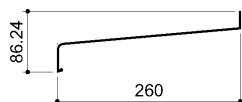
Additional profiles



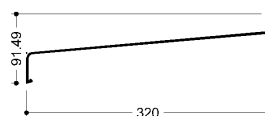
TIZS2012
Cill 240mm pre-drilled



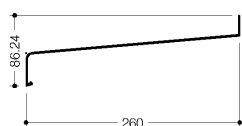
TIZS2015
Cill 300mm pre-drilled



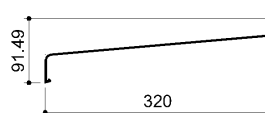
TIZS1013
Cill 260mm



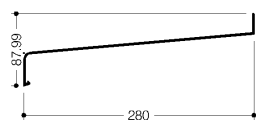
TIZS1016
Cill 320mm



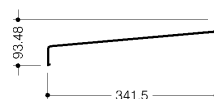
TIZS2013
Cill 260mm pre-drilled



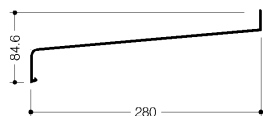
TIZS2016
Cill 320mm pre-drilled



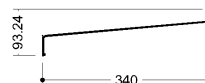
TIZS1014
Cill 280mm



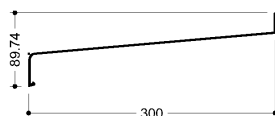
TIZS1017
Cill 340mm



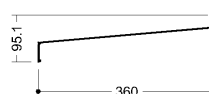
TIZS2014
Cill 280mm pre-drilled



TIZS2017
Cill 340mm pre-drilled



TIZS1015
Cill 300mm

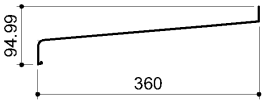


TIZS1018
Cill 360mm

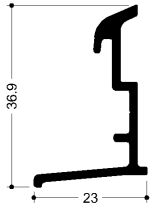
PROFILE

TECHNAL®

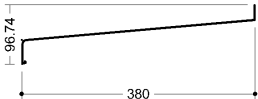
Additional profiles



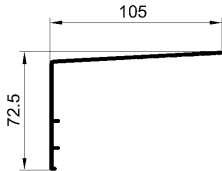
TIZS2018
Cill 360mm pre-drilled



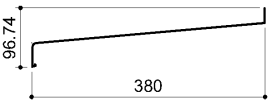
TCZ20288
Add on profile for cill junction



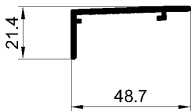
TIZS1019
Cill 380mm



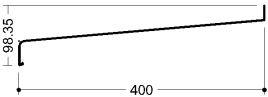
T591151
Cill 105mm



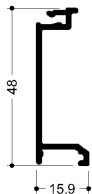
TIZS2019
Cill 380mm pre-drilled



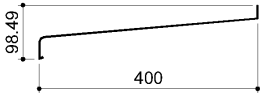
T591156
Cill 20/40mm



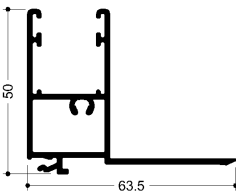
TIZS1020
Cill 400mm



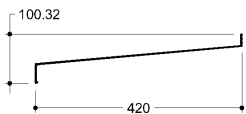
TCZ20103
Profile extender



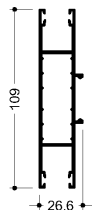
TIZS2020
Cill 400mm pre-drilled



TCZ20245
Roller shutter guide



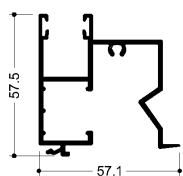
TIZS1021
Cill 420mm



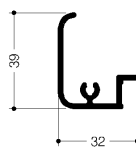
TCZ20241
Roller shutter guide

SUMMARY

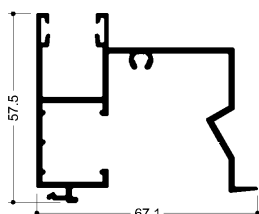
Additional profiles



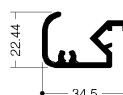
TCZ20258
Roller shutter guide 50mm



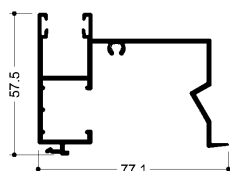
TCZ20227
Roller shutter guide 24mm top



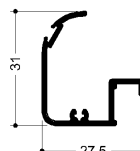
TCZ20259
Roller shutter guide 60mm



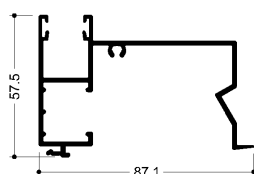
TCZ20223
Roller shutter guide 28mm top



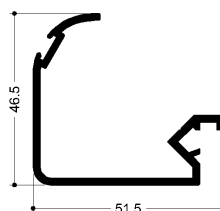
TCZ20260
Roller shutter guide 70mm



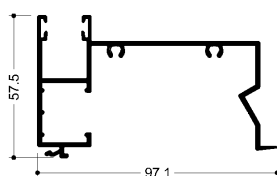
TCZ20226
Roller shutter guide 30mm top



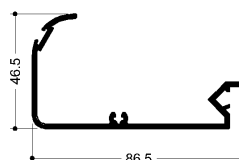
TCZ20261
Roller shutter guide 80mm



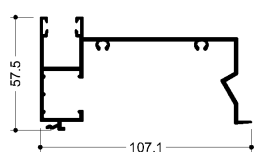
TCZ20224
Roller shutter guide 45mm top



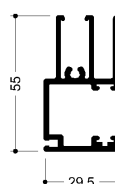
TCZ20262
Roller shutter guide 90mm



TCZ20225
Roller shutter guide 80mm top



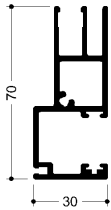
TCZ20257
Roller shutter guide 100mm



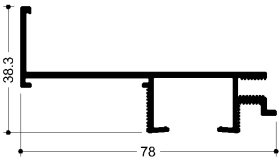
TCZ20220
Roller shutter guide 55mm

PROFILE

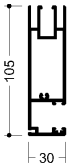
TECHNICAL
Additional profiles



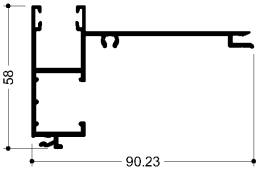
TCZ20221
Roller shutter guide 70mm top



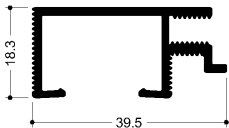
TCZ20189
Pre-frame 75mm



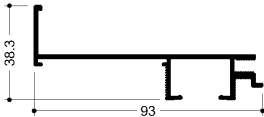
TCZ20222
Roller shutter guide 105mm



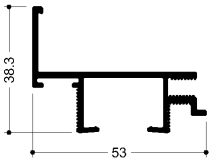
TCZ20251
Pre-frame 80mm



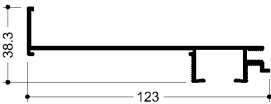
TCZ20185
Pre-frame 39,5mm



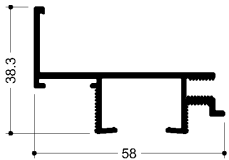
TCZ20190
Pre-frame 90mm



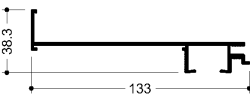
TCZ20186
Pre-frame 50mm



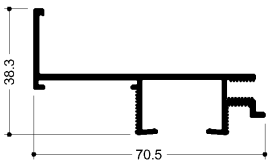
TCZ20191
Pre-frame 120mm



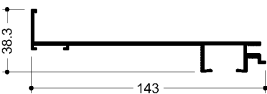
TCZ20187
Pre-frame 55mm



TCZ20192
Pre-frame 130mm



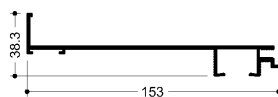
TCZ20188
Pre-frame 67,5mm



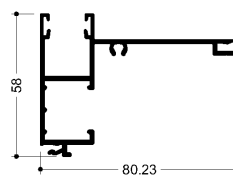
TCZ20193
Pre-frame 140mm

SUMMARY

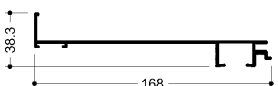
Additional profiles



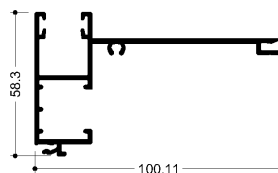
TCZ20194
Pre-frame 150mm



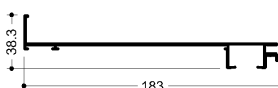
TCZ20249
Pre-frame 70mm



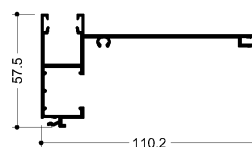
TCZ20195
Pre-frame 165mm



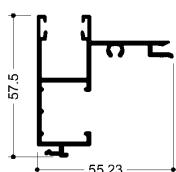
TCZ20252
Pre-frame 90mm



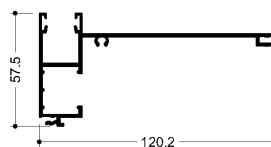
TCZ20196
Pre-frame 180mm



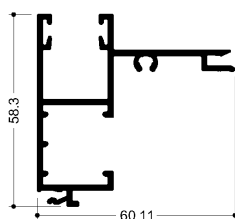
TCZ20253
Pre-frame 100mm



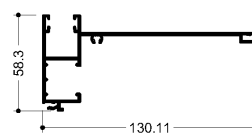
TCZ20246
Pre-frame 45mm



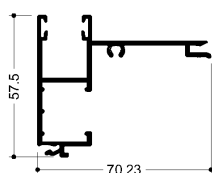
TCZ20254
Pre-frame 110mm



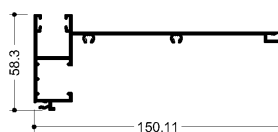
TCZ20247
Pre-frame 50mm



TCZ20255
Pre-frame 120mm



TCZ20248
Pre-frame 60mm

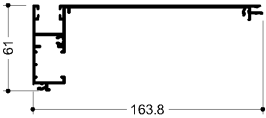


TCZ20256
Pre-frame 140mm

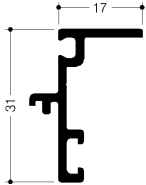
PROFILE

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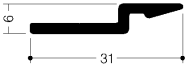
Additional profiles



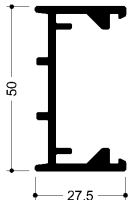
TCZ20287
Pre-frame 153mm



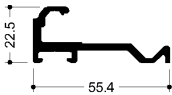
TCZ20238
Additional profile installation



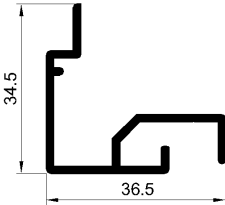
TCZ20039
Clamping profile 31x6mm



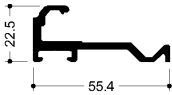
TCZ20282
Reinforcement profile
50/27,5mm



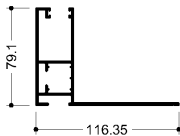
TCZ20099
Additional profile 10mm instal-
lation



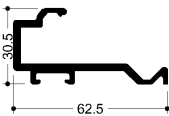
TCZ20177
Finishing trim 90°



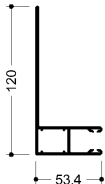
TCZ20101
Add. profile 10mm install. pre-
drilled



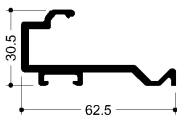
T391032
Roller shutter guide 79mm



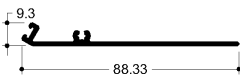
TCZ20100
Additional profile 18mm instal-
lation



TCZ20242
Roller shutter guide 120mm



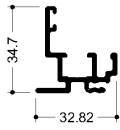
TCZ20102
Add. profile 18mm install. pre-
drilled



T391035
Below catalan blind-shutter
profile

SUMMARY

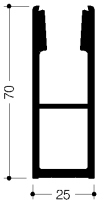
Additional profiles



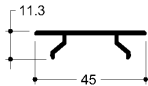
T391036

Catalan blind-shutter box
profile

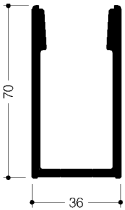
Reinforcement profiles



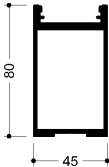
TPY2303
Reinforcement profile
25x70mm



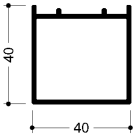
TR9544
Clip profile 45mm



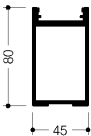
TGT2602
Reinforcement profile
36x70mm



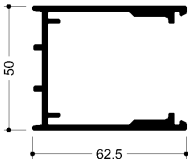
TR9545
Reinforcement profile
45x80mm



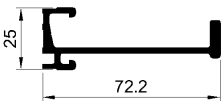
TQS2606
Reinforcement profile 40/40mm



TGT2601
Reinforcement profile
45x80mm

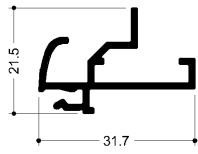


TCZ20281
Reinforcement profile
50/62,5mm



TCZ20096
Reinforcement profile

Others



TCZ20244
SHUTTER-BOX-INSPECTION
HATCH PROF

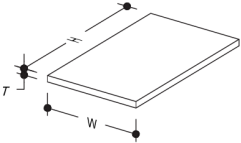
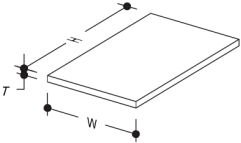
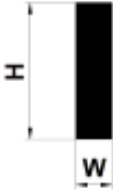
STANDARD PROFILES AND SHEETS

TECHNICAL

SUMMARY

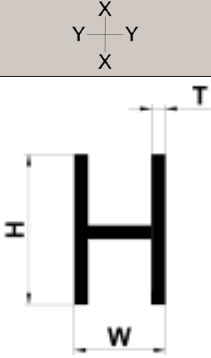
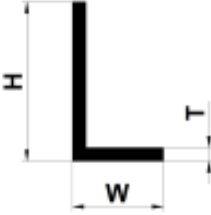
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Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
 <i>Aluminium (anodising quality)</i>	XS121A	1000	2000	1	-	-	-
	XS1215A	1000	2000	1.5	-	-	-
	XS12251A	1250	2500	1	-	-	-
	XS122515A	1250	2500	1.5	-	-	-
 <i>Aluminium (painting quality)</i>	XS121	1000	2000	1	-	-	-
	XS1215	1000	2000	1.5	-	-	-
	XS125251	1250	2500	1	-	-	-
	XS122515	1250	2500	1.5	-	-	-
	XS125252	1250	2500	2	-	-	-
	XS1531	1500	3000	1	-	-	-
	XS15315	1500	3000	1.5	-	-	-
 <i>Aluminium</i>	XF202	2	20	-	44	0.00	0.13
	XF252	2	25	-	53	0.26	0.00
	XF402	2	40	-	83	0.00	1.07
	XF452	2	45	-	93	1.51	0.00
	XF502	2	50	-	104	0.00	2.08
	XF602	2	60	-	124	0.00	3.60
	XF652	2	65	-	133	4.55	0.00
	XF802	2	80	-	163	8.50	0.01
	XF1002	2	100	-	201	0.01	16.67
	XF203	3	20	-	45	0.01	0.20
	XF503	3	50	-	106	0.01	3.13
	XF204	4	20	-	47	0.26	0.01
	XF304	4	30	-	67	0.90	0.02
	XF404	4	40	-	87	0.02	2.13
	XF205	5	20	-	49	0.33	0.02
	XF605	5	60	-	129	0.06	9.00
	XF508	8	50	-	115	8.32	0.21
	XF8010	10	80	-	179	42.63	0.67
	XF10010	10	100	-	219	0.83	83.33
	XF302	30	2	-	64	0.00	0.45
	XF303	30	3	-	66	0.01	0.68
	XF405	40	5	-	90	0.04	2.67
	XF808	80	8	-	176	0.34	34.13
	XF12010	120	10	-	260	1.00	144.00

STANDARD PROFILES AND SHEETS

Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
<i>Aluminium</i>	XH421416	42	14.2	1.6	88	0.55	1.96
 <i>Aluminium</i>	XL151515	15	15	1.5	59	0.09	0.09
	XL15152	15	15	2	59	0.11	0.11
	XL20102	20	10	2	59	0.04	0.22
	XL20152	20	15	2	35	0.13	0.26
	XL202015	20	20	1.5	79	0.22	0.22
	XL202016	20	20	1.6	79	0.23	0.23
	XL20202	20	20	2	79	0.29	0.29
	XL402017	20	40	1.7	119	0.30	1.69
	XL40202	20	40	2	119	0.35	1.96
	XL70202	20	70	2	180	0.39	9.03
	XL120202	20	120	2	279	0.42	39.70
	XL25102	25	10	2	70	0.04	0.42
	XL25252	25	25	2	99	0.58	0.58
	XL30102	30	10	2	80	0.04	0.70
	XL301515	30	15	1.5	89	0.11	0.62
	XL30152	30	15	2	89	0.14	0.81
	XL302016	30	20	1.6	99	0.27	0.73
	XL30202	30	20	2	100	0.32	0.89
	XL303015	30	30	1.5	119	0.78	0.78
	XL303017	30	30	1.7	119	0.88	0.88
	XL30302	30	30	2	120	1.02	1.02
	XL503017	30	50	1.7	159	1.01	3.56
	XL351515	35	15	1.5	100	0.11	0.95
	XL35352	35	35	2	137	1.63	1.63
	XL40102	40	10	2	99	0.04	1.54

STANDARD PROFILES AND SHEETS

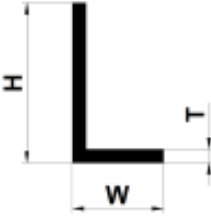
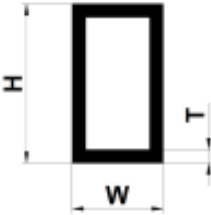


Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
 <i>Aluminium</i>	XL402013	40	20	1.3	119	0.24	1.31
	XL402015	40	20	1.5	119	0.27	1.50
	XL40203	40	20	3	119	0.49	2.82
	XL40252	40	25	2	129	0.66	2.12
	XL40302	40	30	2	140	1.11	2.26
	XL404013	40	40	1.3	159	1.65	1.65
	XL404017	40	40	1.7	159	2.13	2.13
	XL40402	40	40	2	159	2.48	2.48
	XL804017	40	80	1.7	239	2.56	14.00
	XL120401	40	120	1.7	319	2.78	41.75
	XL120402	40	120	2	320	3.23	48.90
	XL45304	45	30	4	150	2.09	5.82
	XL50102	50	10	2	119	0.05	2.86
	XL50152	50	15	2	130	0.16	3.27
	XL50202	50	20	2	139	0.37	3.61
	XL502518	50	25	1.8	149	0.64	3.53
	XL50252	50	25	2	149	0.69	3.89
	XL50302	50	30	2	160	1.18	4.15
	XL503225	50	32	2.5	163	1.73	5.22
	XL50402	50	40	2	180	2.65	4.57
	XL50502	50	50	2	199	4.91	4.91
	XL50503	50	50	3	200	7.15	7.15
	XL50505	50	50	5	199	11.25	11.25
	XL60102	60	10	2	139	0.05	4.77
	XL60252	60	25	2	170	0.73	6.40
	XL60302	60	30	2	179	1.22	6.79
	XL60322	60	32	2	183	1.48	6.97
	XL604014	60	40	1.4	199	1.99	5.34
	XL604015	60	40	1.5	200	2.12	5.71
	XL60402	60	40	2	199	2.78	7.52
	XL60602	60	60	2	239	8.56	8.56
	XL60606	60	60	6	240	23.33	23.33
	XL65352	65	35	2	199	1.94	8.92
	XL70102	70	10	2	153	0.05	7.38
	XL70302	70	30	2	199	1.26	10.31
	XL762531	76	25	3.18	201	1.13	18.75

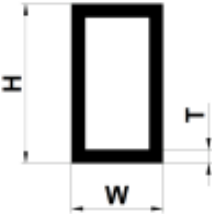
STANDARD PROFILES AND SHEETS

Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
 Aluminium	XL80102	80	10	2	180	0.05	10.75
	XL80202	80	20	2	200	0.40	13.00
	XL80252	80	25	2	209	0.76	13.93
	XL80402	80	40	2	240	2.98	16.37
	XL80403	80	40	3	240	4.32	24.06
	XL80802	80	80	2	319	20.51	20.51
	XL852517	85	25	1.7	219	0.66	14.05
	XL100202	100	20	2	240	0.41	23.99
	XL100252	100	25	2	249	0.79	25.59
	XL100302	100	30	2	259	1.35	27.12
	XL100505	100	50	5	299	13.58	76.67
	XL100506	100	50	6	299	15.90	90.58
	XL101017	100	100	1.7	400	34.53	34.53
	XL110252	110	25	2	270	0.81	33.28
	XL110302	110	30	2	279	1.38	35.20
	XL120252	120	25	2	289	0.81	42.16
	XL123025	120	30	2.5	299	1.70	55.23
 Aluminium	XO6	6	6	-	19	0.01	0.01
	XO66	6.6	-	-	0	0.01	0.01
	XO10	10	-	-	31	0.05	0.05
	XO1281	12	-	1.95	38	0.08	0.08
	XO2015	20	20	1.5	63	0.38	0.38
	XO252	25	25	2	79	0.96	0.96
	XO303	30	-	3	94	2.35	2.35
	XO302	30	30	2	94	1.73	1.73
	XO502	50	50	2	157	8.70	8.70
	XO6314	63	-	1.4	198	12.86	12.86
	XO8014	80	-	1.4	251	26.71	26.71
	XO1002	100	100	2	314	73.95	73.95
	XO12025	120	120	2.5	377	159.33	159.33
	XO1503	150	-	3	471	374.38	374.38
 Aluminium	XR201015	20	10	1.5	60	0.12	0.38
	XR20102	20	10	2	60	0.14	0.46
	XR25152	25	15	2	80	0.47	1.10
	XR301515	30	15	1.5	89	0.45	1.41
	XR30152	30	15	2	90	0.56	1.76

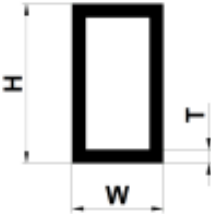
STANDARD PROFILES AND SHEETS

Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
 <i>Aluminium</i>	XR302015	30	20	1.5	99	0.89	1.71
	XR302016	30	20	1.6	99	0.94	1.80
	XR30202	30	20	2	99	1.11	2.16
	XR302415	30	24	1.5	108	1.37	1.96
	XR503018	30	50	1.8	159	9.27	4.13
	XR351515	35	15	1.5	100	0.52	2.08
	XR35202	35	20	2	109	1.27	3.17
	XR401515	40	15	1.5	-	0.59	2.93
	XR402014	40	20	1.4	119	1.09	3.29
	XR402015	40	20	1.5	120	1.15	3.49
	XR40202	40	20	2	119	1.44	4.45
	XR402513	40	25	1.3	129	1.71	3.57
	XR40252	40	25	2	129	2.43	5.17
	XR40302	40	30	2	140	3.73	5.89
	XR804015	40	80	1.5	239	29.90	10.16
	XR433115	43	31	1.5	148	3.36	5.61
	XR452515	45	25	1.5	139	2.13	5.40
	XR45252	45	25	2	140	2.70	6.92
	XR45452	45	45	2	179	10.62	10.62
	XR50152	50	15	2	130	0.90	6.70
	XR50202	50	20	2	139	1.76	7.85
	XR502515	50	25	1.5	149	2.34	7.01
	XR50252	50	25	2	149	2.96	9.01
	XR503015	50	30	1.5	159	3.54	7.86
	XR50302	50	30	2	160	4.51	10.16
	XR50402	50	40	2	180	8.78	12.47
	XR300502	50	300	2	699	1,380.21	75.02
	XR60102	60	10	2	140	0.40	9.22
	XR601515	60	15	1.5	149	0.87	8.48
	XR60152	60	15	2	149	1.07	10.90
	XR602013	60	20	1.3	159	1.48	8.58
	XR602015	60	20	1.5	160	1.67	9.76
	XR60202	60	20	2	159	2.09	12.58
	XR60302	60	30	2	179	5.29	15.93
	XR604015	60	40	1.5	199	7.94	14.90
	XR60402	60	40	2	200	10.23	19.32

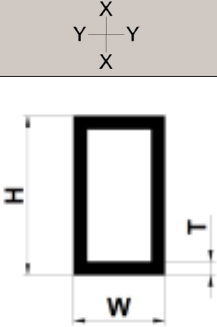
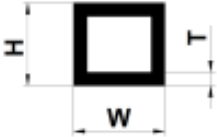
STANDARD PROFILES AND SHEETS

Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
 Aluminium	XR653014	65	30	1.4	189	4.19	14.11
	XR702015	70	20	1.5	179	1.92	14.56
	XR70452	70	45	2	229	15.25	30.39
	XR75252	75	25	2	199	4.29	25.25
	XR754014	75	40	1.4	229	9.03	23.95
	XR754015	75	40	1.5	229	9.61	25.54
	XR731816	76	18	1.6	187	1.73	18.26
	XR802015	80	20	1.5	199	2.18	20.66
	XR80202	80	20	2	199	2.74	26.80
	XR80302	80	30	2	220	6.87	32.89
	XR80402	80	40	2	239	13.11	38.94
	XR80404	80	40	4	240	23.01	71.13
	XR80502	80	50	2	260	21.69	45.06
	XR80503	80	50	3	259	30.80	64.75
	XR240803	80	240	3	639	233.81	1,314.71
	XR102015	100	20	1.5	239	2.70	37.37
	XR100202	100	20	2	239	3.39	48.70
	XR102517	100	25	1.7	249	4.91	46.08
	XR100302	100	30	2	259	8.44	58.30
	XR104017	100	40	1.7	279	13.87	58.40
	XR100402	100	40	2	279	16.01	67.91
	XR100502	100	50	2	300	26.30	77.52
	XR105025	100	50	2.5	299	32.03	95.15
	XR100503	100	50	3	300	37.44	112.12
	XR100504	100	50	4	299	47.37	144.13
	XR105452	105	45	2	300	21.73	82.09
	XR105702	105	70	2	349	58.15	108.61
	XR120202	120	20	2	279	4.04	79.88
	XR124017	120	40	1.7	319	16.36	92.50
	XR120402	120	40	2	319	18.90	107.73
	XR120452	120	45	2	329	24.50	114.69
	XR120603	120	60	3	359	66.41	197.30
	XR128422	125	84	2.2	417	110.52	203.66
	XR150202	150	20	2	340	5.02	147.55
	XR150302	150	30	2	360	12.37	169.45
	XR154047	150	40	4.75	380	46.78	420.07

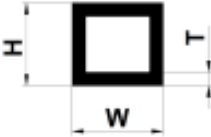
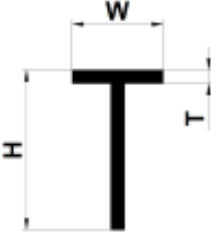
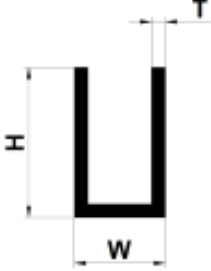
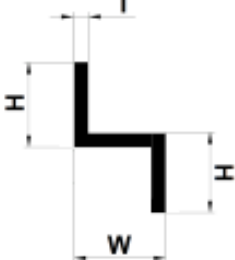
STANDARD PROFILES AND SHEETS

Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
<i>Aluminium</i>	XR150502	150	50	2	400	37.82	213.26
	XR150503	150	50	3	399	54.03	311.39
	XR150504	150	50	4	400	68.58	404.10
	XR150122	150	120	2.5	539	322.20	453.28
	XR168025	160	80	2.5	480	137.74	403.24
	XR200502	200	50	2	499	49.34	446.80
 <i>Aluminium</i>	XR202015	20	20	1.5	79	0.64	0.64
	XR20202	20	20	2	79	0.79	0.79
	XR252515	25	25	1.5	99	1.30	1.30
	XR25252	25	25	2	100	1.63	1.63
	XR303013	30	30	1.3	119	2.05	2.05
	XR303015	30	30	1.5	119	2.32	2.32
	XR303018	30	30	1.8	119	2.70	2.70
	XR30302	30	30	2	119	2.94	2.94
	XR323216	32	32	1.6	127	3.01	3.01
	XR35352	35	35	2	139	4.81	4.81
	XR404015	40	40	1.5	159	5.72	5.72
	XR40402	40	40	2	159	7.34	7.34
	XR454515	45	45	1.5	179	8.24	8.24
	XR505017	50	50	1.75	199	13.12	13.12
	XR50502	50	50	2	199	14.77	14.77
	XR50504	50	50	4	199	26.15	26.15
	XR60602	60	60	2	239	26.05	26.05
	XR60603	60	60	3	240	37.14	37.14
	XR63632	63	63	2	251	30.28	30.28
	XR656518	65	65	1.8	259	31.54	31.54
	XR707015	70	70	1.5	278	32.16	32.16
	XR70702	70	70	2	280	41.96	41.96
	XR808015	80	80	1.5	319	48.39	48.39
	XR80802	80	80	2	320	63.32	63.32
	XR80804	80	80	4	319	117.38	117.38
	XR84842	84	84	2	335	73.52	73.52
	XR90902	90	90	2	359	90.91	90.91
	XR101002	100	100	2	399	125.54	125.54
	XR101025	100	100	2.5	399	154.58	154.58
	XR101004	100	100	4	399	236.33	236.33

STANDARD PROFILES AND SHEETS

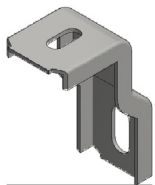
Standard profiles and sheets

	Reference	H (mm)	W (mm)	T (mm)		Ix (cm4)	Iy (cm4)
 Aluminium	XR101052	105	105	2	419	145.75	145.75
	XR111102	110	110	2	440	168.02	168.02
	XR121208	120	120	8	477	753.12	753.12
	XR121225	125	125	2.5	499	306.50	306.50
	XR131353	135	135	3	539	460.23	460.23
	XR151505	150	150	5	599	1,017.40	1,017.40
 Aluminium	XT20402	20	40	2	120	1.07	0.35
	XT30302	30	30	2	120	0.45	1.02
	XT404025	40	40	2.5	45	1.34	3.04
 Aluminium	XU151515	15	15	1.5	45	0.23	0.14
	XU164515	16	45.5	1.5	77	3.28	0.25
	XU201215	20	12	1.5	52	0.18	0.29
	XU201315	20	13	1.5	52	0.21	0.30
	XU20152	20	15	2	0	0.36	0.41
	XU202015	20	20	1.5	116	0.58	0.35
	XU20202	20	20	2	60	0.72	0.45
	XU202316	20	23.2	1.6	63	0.85	0.39
	XU203216	20	32	1.6	139	1.79	0.44
	XU20452	20	45	2	89	4.85	0.60
	XU20502	20	50	2	90	6.23	0.62
	XU208018	20	80	1.8	124	17.70	0.64
	XU20802	20	80	2	-	19.49	0.70
	XU201002	20	100	2	-	33.96	0.73
	XU201202	20	120	2	164	53.87	0.76
	XU25252	25	25	2	75	1.48	0.91
	XU30502	30	50	2	110	8.54	1.92
	XU30552	30	55	2	119	10.64	1.98
	XU402015	40	20	1.5	103	1.09	2.38
 Aluminium	XZ20352	38	35	2	146	2.68	0.92
	XZ30233	57	23	3	160	1.94	4.63

ACCESSORIES OVERVIEW

TECHNAL®

Brackets



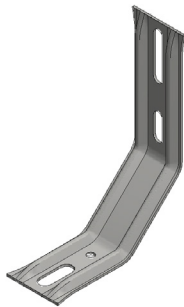
TFY3729
Fixing lug 70/47mm



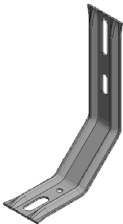
TCZ33340
Fixing lug 95/87mm



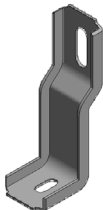
TCZ33341
Fixing lug 95/107mm



TCZ33342
Fixing lug 95/127mm



TCZ33343
Fixing lug 95/147mm



TAZ0344
Fixing lug 100/47mm



TCZ33419
Fixing lug 95/167mm



TCZ33420
Fixing lug 95/187mm

SUMMARY

ACCESSORIES OVERVIEW

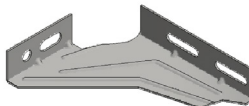
Fixing elements



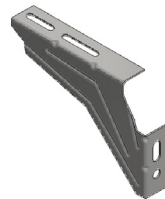
TGY3726
Fixing bracket 100/90mm



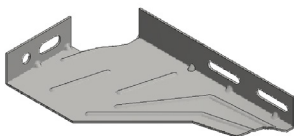
TGY3728
Fixing bracket 100/110mm



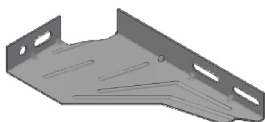
TGY3729
Fixing bracket 100/130mm



TGY3730
Fixing bracket 100/150mm



TFY3745
Fixing bracket 100/170mm



TFY3746
Fixing bracket 100/190mm



TGY3725
Fixing bracket 100/70mm



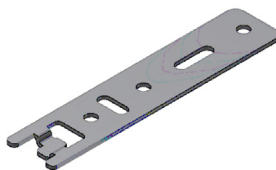
TGY3727
Fixing bracket 100/100mm



T700013
Fixing lug 90/130mm



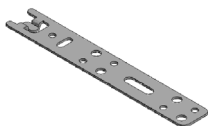
T700014
Fixing lug 120/160mm



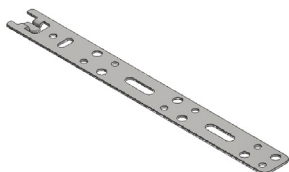
TCZ33234
Fixing lug 143mm 1/4 turn



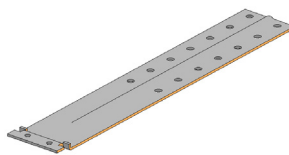
TCZ33020
Fixing lug 120mm for pre-frame 1/4 turn



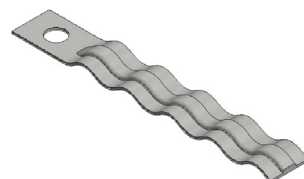
TCZ33000
Fixing lug 200mm 1/4 turn



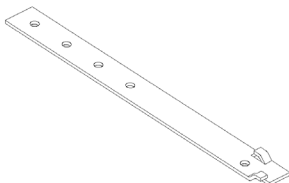
TCZ33002
Fixing lug 290mm 1/4 turn



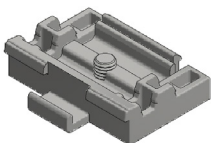
TCZ33096
Fixing lug 300mm



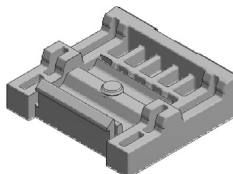
TCZ33021
Fixing lug 96mm for pre-frame



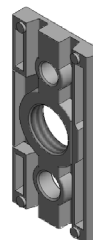
TCZ33162
Fixing lug 200mm 1/4 turn



TGY3853
65 Fixing part insulated



TCZ30001
75 Fixing part insulated

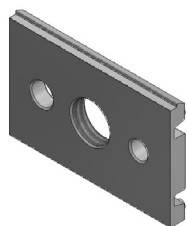


TCZ33056
65 Connector part installation

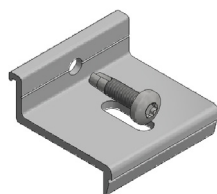
ACCESSORIES OVERVIEW

TECHNAL®

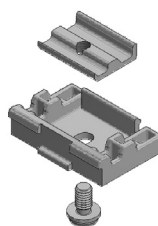
Fixing elements



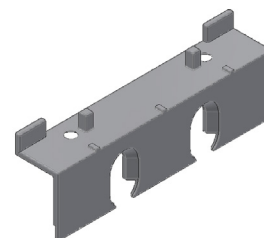
TCZ32003
75 Connector part installation



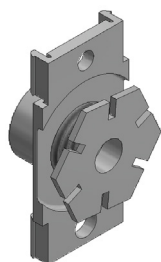
TCZ33001
Fixing part



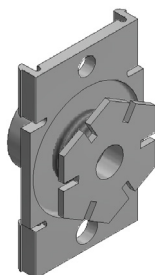
TAZ0318
65 Insulated fixing bracket



TCZ30201
Fixing part for pre-frame



TCZ33104
65 Fixing part adjustable



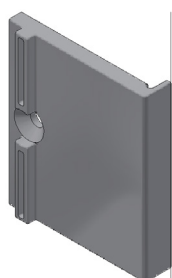
TCZ33105
75 Fixing part adjustable



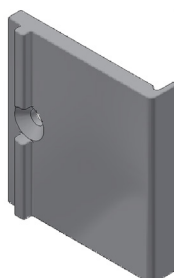
TCZ30002
Connector for pre-frame



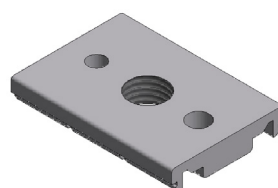
TCZ33109
Clip stainless steel



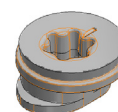
TCZ33110
75 Support part bottom



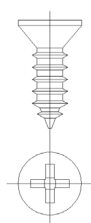
TCZ33111
75 Support part threshold



TCZ32002
75 Connector part installation



TGD3702
Excentric screw Ø14mm



TCZ34816
Countersunk screw C cone
ST3.5x9,5,A2



T700012
Fixing bracket 60/80mm

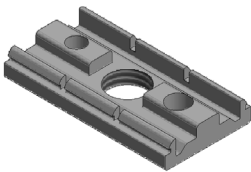
SUMMARY

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Plastic parts



TFY3830
Clip BTC

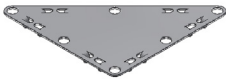


TCZ32170
65 Connector part installation

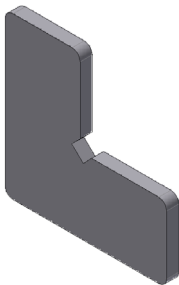
ACCESSORIES OVERVIEW

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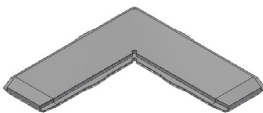
Corner cleats



TCZ30004
Connector for pre-frame



T85A04
Corner cleat



TCZ31359
Levelling corner

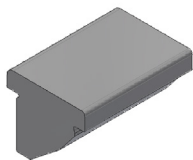


TCZ31347
Connector for pre-frame

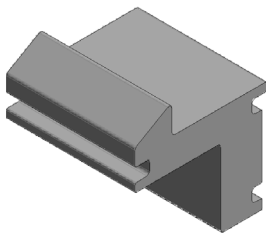
SUMMARY

ACCESSORIES OVERVIEW

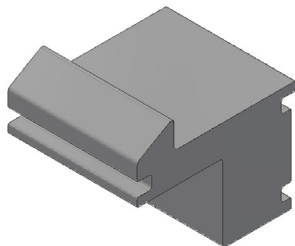
Foamed parts



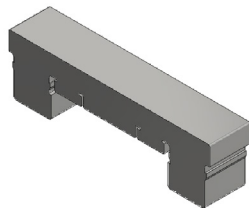
TCZ32182
Support gasket 8mm end part



TCZ30661
65 Sealing part for expansion



TCZ30662
75 Sealing part for expansion



TCZ30377
75 End plug for expansion gasket

ACCESSORIES OVERVIEW

TECHNAL®

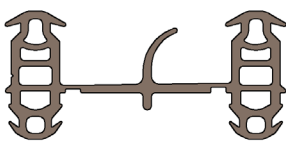
Gaskets linear



TCZ50034
Expansion gasket



TCZ50310
Expansion gasket



TCZ50422
75 Expansion gasket



TCZ50046
Expansion gasket top



T790002
Foam strip 42mm thermal upgrade



TFY5016
Foam strip 51mm thermal upgrade



TCZ50035
Sealing gasket



TCZ50117
Sealing cord 4mm



TCZ50229
Sealing cord for sub-cill



TCZ50312
Finishing gasket



TCZ50033
Sealing cord EPDM



TCZ50212
Membrane gasket 200mm



TCZ50213
Membrane gasket 200mm



TCZ50214
Membrane gasket 250mm



TSD5001
Membrane gasket 150mm



T190107
Membrane gasket 200mm



TMZ50031
Membrane gasket 300mm



TCZ50031
Membrane gasket 430mm



TCZ50216
75 Support gasket 8mm concealed drainage



TCZ50217
75 Support gasket 3mm

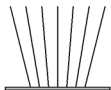
SUMMARY

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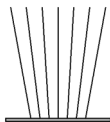
Gaskets linear



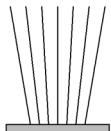
TCZ50219
65 Support gasket 3mm



TCZ51352
Brush gasket 5,5mm



TCZ51353
Brush gasket 7,5mm



TCZ51354
Brush gasket 8,5mm



TCZ50313
Brush gasket 7x5mm

ACCESSORIES OVERVIEW

TECHNAL®

Gasket frame



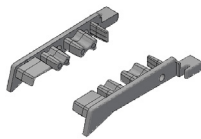
TCZ50041
Flipper seal 9mm

SUMMARY

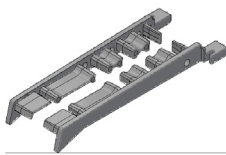
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ACCESSORIES OVERVIEW

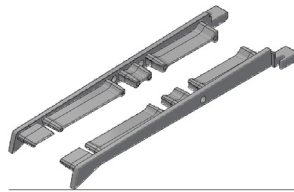
Cill accessories



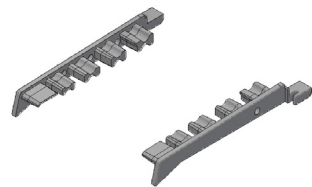
TCZ32117
Sealing piece 67mm



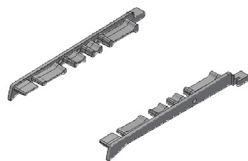
TCZ32118
Sealing piece 97mm



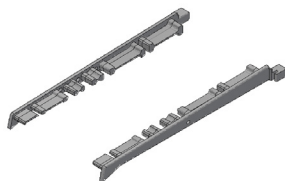
TCZ32119
Sealing piece 107mm



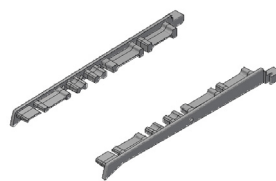
TCZ32120
Sealing piece 137mm



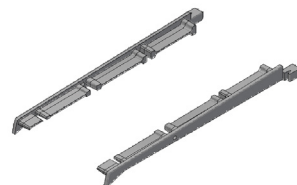
TCZ32121
Sealing piece 147mm



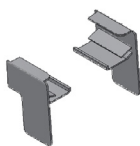
TCZ32122
Sealing piece 177mm



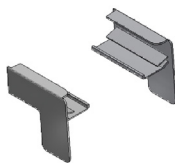
TCZ32123
Sealing piece 187mm



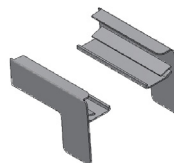
TCZ32124
Sealing piece 197mm



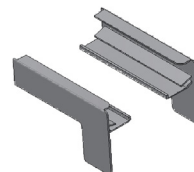
TIZS3000
Cill 50mm set end part crepi



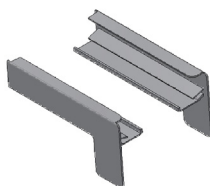
TIZS3001
Cill 70mm set end part crepi



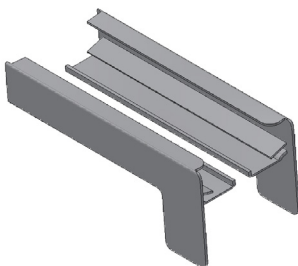
TIZS3002
Cill 90mm set end part crepi



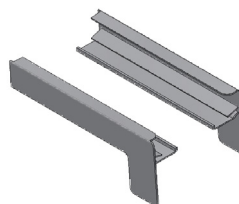
TIZS3003
Cill 110mm set end part crepi



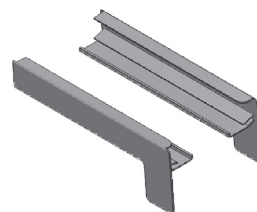
TIZS3004
Cill 130mm set end part crepi



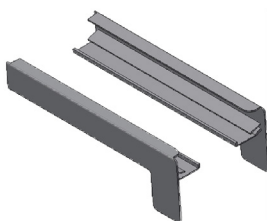
TIZS3005
Cill 150mm set end part crepi



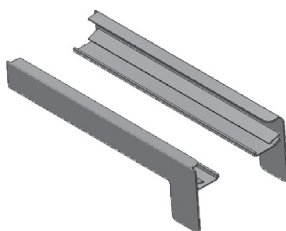
TIZS3006
Cill 165mm set end part crepi



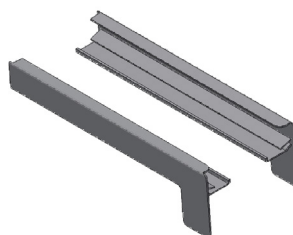
TIZS3007
Cill 180mm set end part crepi



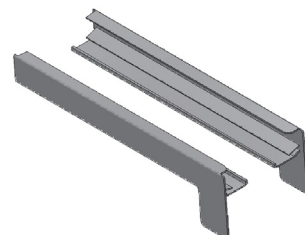
TIZS3008
Cill 195mm set end part crepi



TIZS3009
Cill 210mm set end part crepi



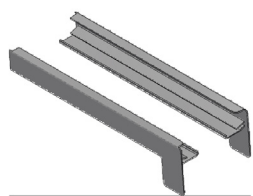
TIZS3010
Cill 225mm set end part crepi



TIZS3011
Cill 240mm set end part crepi

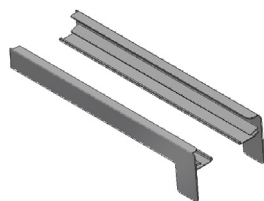
ACCESSORIES OVERVIEW

Cill accessories



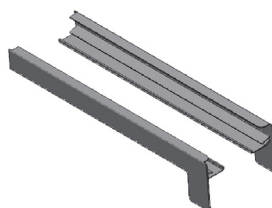
TIZS3012

Cill 260mm set end part crepi



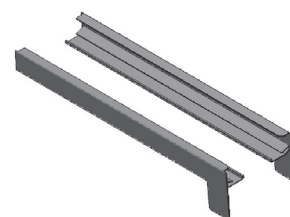
TIZS3013

Cill 280mm set end part crepi



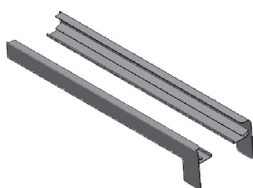
TIZS3014

Cill 300mm set end part crepi



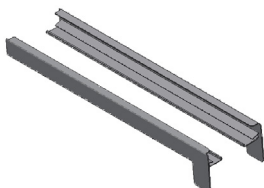
TIZS3015

Cill 320mm set end part crepi



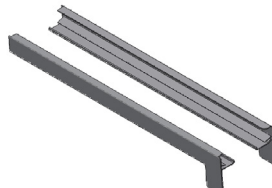
TIZS3017

Cill 360mm set end part crepi



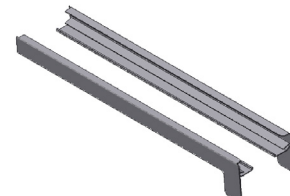
TIZS3018

Cill 380mm set end part crepi



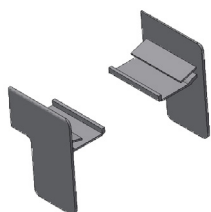
TIZS3019

Cill 400mm set end part crepi



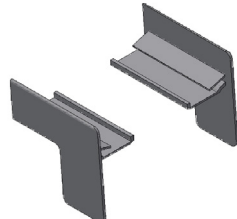
TIZS3041

Cill 420mm set end part crepi



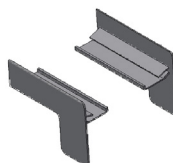
TIZS3020

Cill 50mm set end part bricks



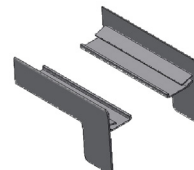
TIZS3021

Cill 70mm set end part bricks



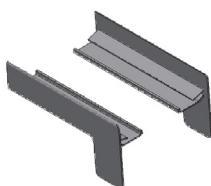
TIZS3022

Cill 90mm set end part bricks



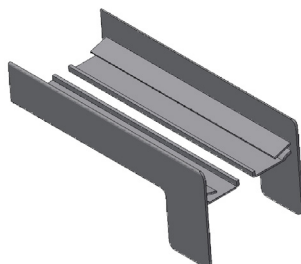
TIZS3023

Cill 110mm set end part bricks



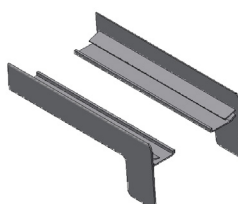
TIZS3024

Cill 130mm set end part bricks



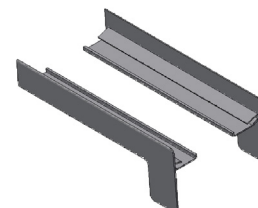
TIZS3025

Cill 150mm set end part bricks



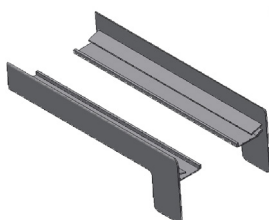
TIZS3026

Cill 165mm set end part bricks



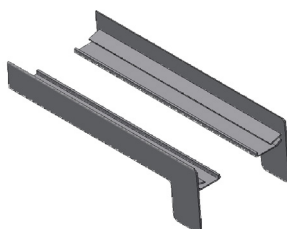
TIZS3027

Cill 180mm set end part bricks



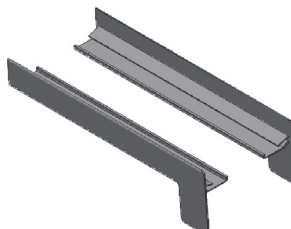
TIZS3028

Cill 195mm set end part bricks



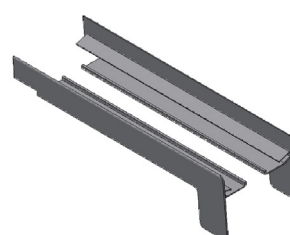
TIZS3029

Cill 210mm set end part bricks



TIZS3030

Cill 225mm set end part bricks

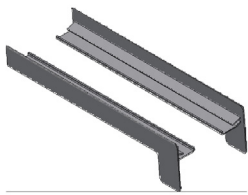


TIZS3031

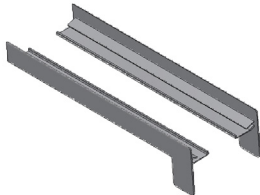
Cill 240mm set end part bricks

ACCESSORIES OVERVIEW

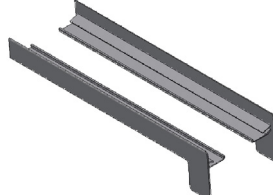
Cill accessories



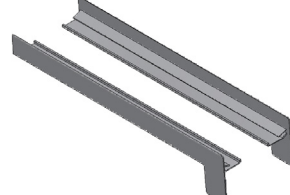
TIZS3032
Cill 260mm set end part bricks



TIZS3033
Cill 280mm set end part bricks



TIZS3034
Cill 300mm set end part bricks



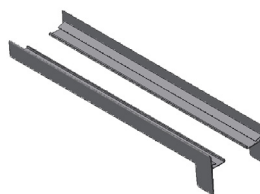
TIZS3035
Cill 320mm set end part bricks



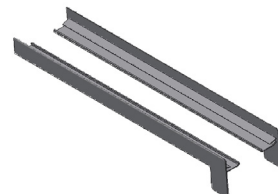
TIZS3036
Cill 340mm set end part bricks



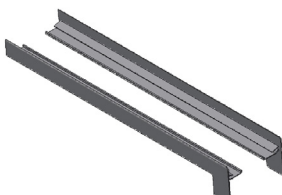
TIZS3037
Cill 360mm set end part bricks



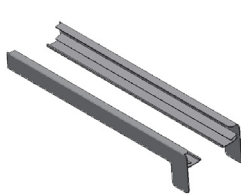
TIZS3038
Cill 380mm set end part bricks



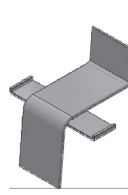
TIZS3039
Cill 400mm set end part bricks



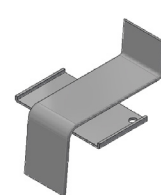
TIZS3040
Cill 420mm set end part bricks



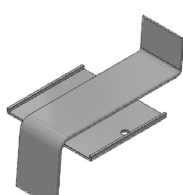
TIZS3016
Cill 340mm set end part crepi



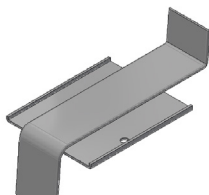
TIZS4000
Cill 50mm connector 180°



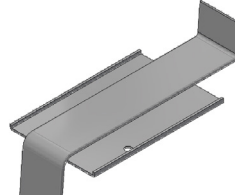
TIZS4001
Cill 70mm connector 180°



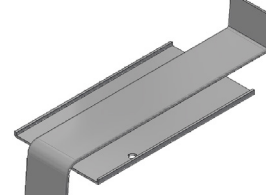
TIZS4002
Cill 90mm connector 180°



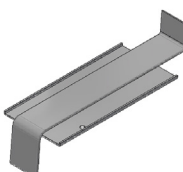
TIZS4003
Cill 110mm connector 180°



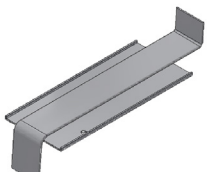
TIZS4004
Cill 130mm connector 180°



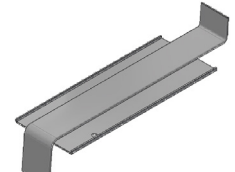
TIZS4005
Cill 150mm connector 180°



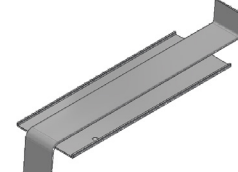
TIZS4006
Cill 165mm connector 180°



TIZS4007
Cill 180mm connector 180°



TIZS4008
Cill 195mm connector 180°

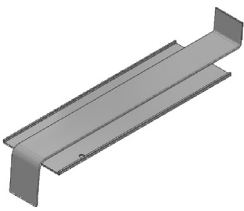


TIZS4009
Cill 210mm connector 180°

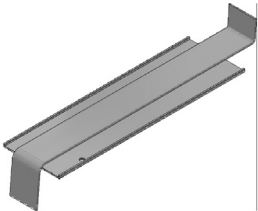
ACCESSORIES OVERVIEW

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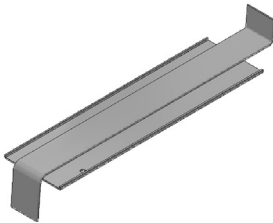
Cill accessories



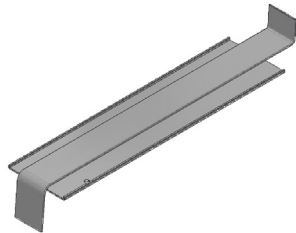
TIZS4010
Cill 225mm connector 180°



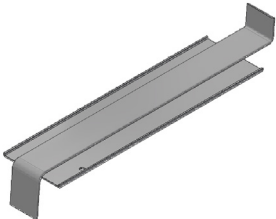
TIZS4011
Cill 240mm connector 180°



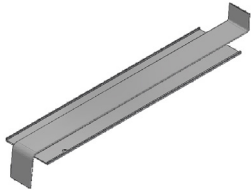
TIZS4012
Cill 260mm connector 180°



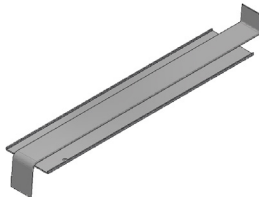
TIZS4013
Cill 280mm connector 180°



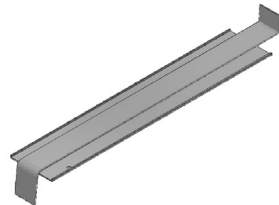
TIZS4014
Cill 300mm connector 180°



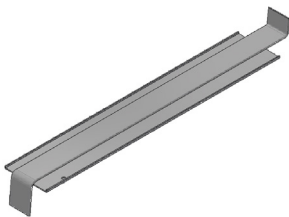
TIZS4015
Cill 320mm connector 180°



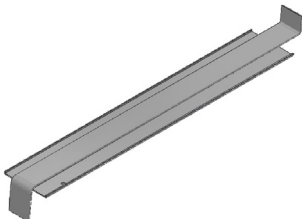
TIZS4016
Cill 340mm connector 180°



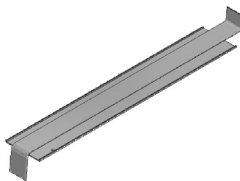
TIZS4017
Cill 360mm connector 180°



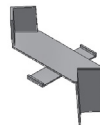
TIZS4018
Cill 380mm connector 180°



TIZS4019
Cill 400mm connector 180°



TIZS4020
Cill 420mm connector 180°



TIZS5100
Cill 50mm connector 90° inner corner



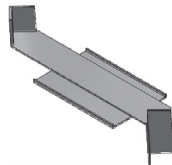
TIZS5101
Cill 70mm connector 90° inner corner



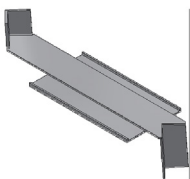
TIZS5102
Cill 90mm connector 90° inner corner



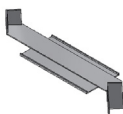
TIZS5103
Cill 110mm connector 90° inner corner



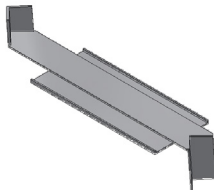
TIZS5104
Cill 130mm connector 90° inner corner



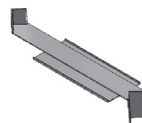
TIZS5105
Cill 150mm connector 90° inner corner



TIZS5106
Cill 165mm connector 90° inner corner



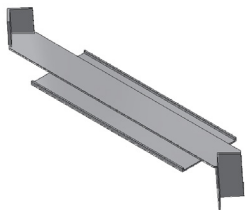
TIZS5107
Cill 180mm connector 90° inner corner



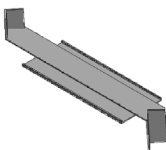
TIZS5108
Cill 195mm connector 90° inner corner

SUMMARY

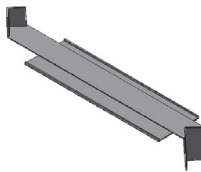
Cill accessories



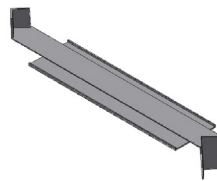
TIZS5109
Cill 210mm connector 90° inner corner



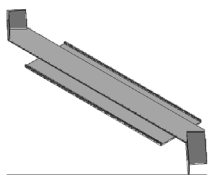
TIZS5110
Cill 225mm connector 90° inner corner



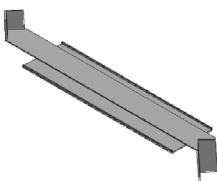
TIZS5111
Cill 240mm connector 90° inner corner



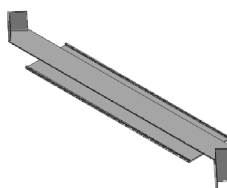
TIZS5112
Cill 260mm connector 90° inner corner



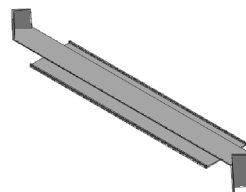
TIZS5113
Cill 280mm connector 90° inner corner



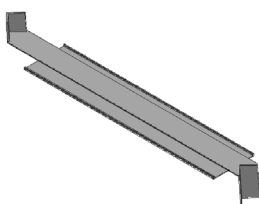
TIZS5114
Cill 300mm connector 90° inner corner



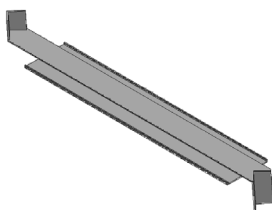
TIZS5115
Cill 320mm connector 90° inner corner



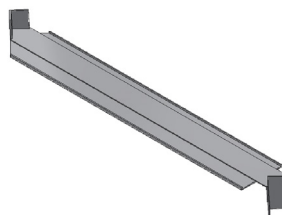
TIZS5116
Cill 340mm connector 90° inner corner



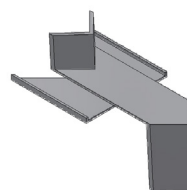
TIZS5117
Cill 360mm connector 90° inner corner



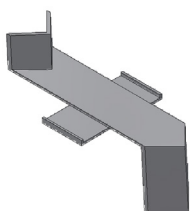
TIZS5118
Cill 380mm connector 90° inner corner



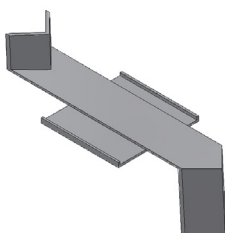
TIZS5119
Cill 400mm connector 90° inner corner



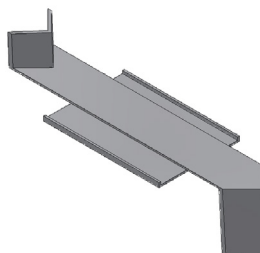
TIZS5001
Cill 50mm connector 90° outer corner



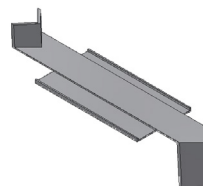
TIZS5002
Cill 70mm connector 90° outer corner



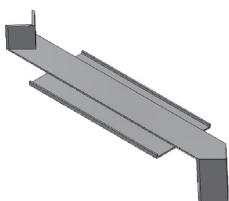
TIZS5003
Cill 90mm connector 90° outer corner



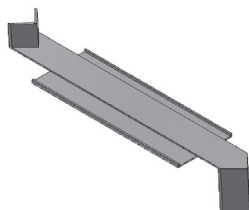
TIZS5004
Cill 110mm connector 90° outer corner



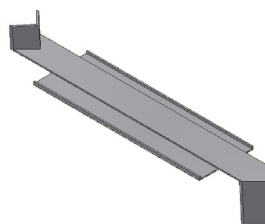
TIZS5005
Cill 130mm connector 90° outer corner



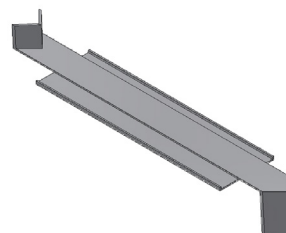
TIZS5006
Cill 150mm connector 90° outer corner



TIZS5007
Cill 165mm connector 90° outer corner



TIZS5008
Cill 180mm connector 90° outer corner

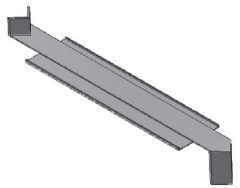


TIZS5009
Cill 195mm connector 90° outer corner

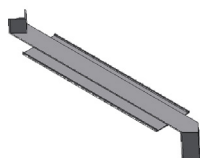
ACCESSORIES OVERVIEW

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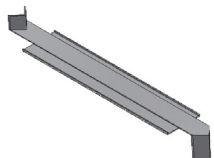
Cill accessories



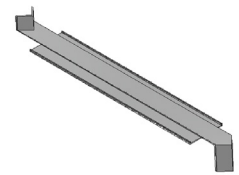
TIZS5010
Cill 210mm connector 90° outer corner



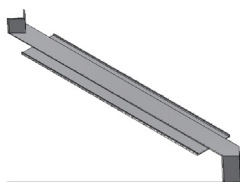
TIZS5011
Cill 225mm connector 90° outer corner



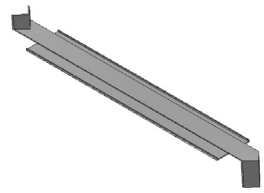
TIZS5012
Cill 240mm connector 90° outer corner



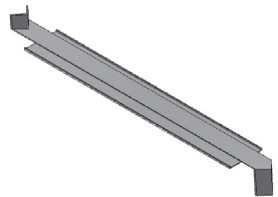
TIZS5013
Cill 260mm connector 90° outer corner



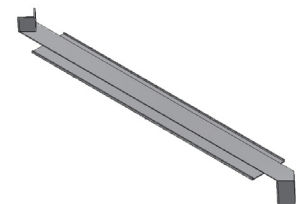
TIZS5014
Cill 280mm connector 90° outer corner



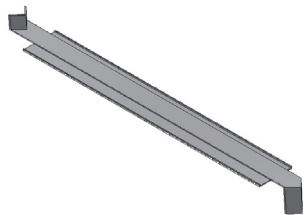
TIZS5015
Cill 300mm connector 90° outer corner



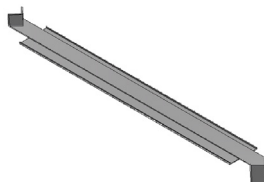
TIZS5016
Cill 320mm connector 90° outer corner



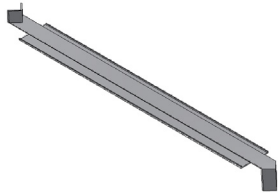
TIZS5017
Cill 340mm connector 90° outer corner



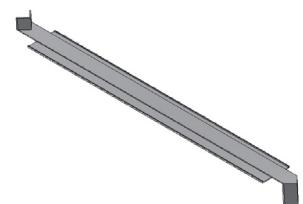
TIZS5018
Cill 360mm connector 90° outer corner



TIZS5019
Cill 380mm connector 90° outer corner



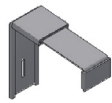
TIZS5020
Cill 400mm connector 90° outer corner



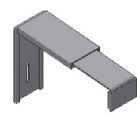
TIZS5021
Cill 420mm connector 90° outer corner



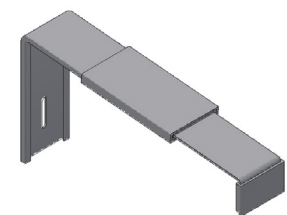
TIZS6000
Bracket 80-110mm



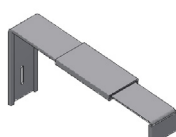
TIZS6001
Bracket 110-140mm



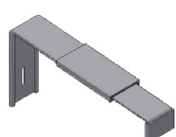
TIZS6002
Bracket 140-180mm



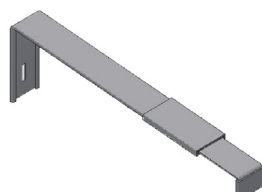
TIZS6003
Bracket 180-240mm



TIZS6004
Bracket 200-260mm



TIZS6005
Bracket 280-340mm



TIZS6006
Bracket 380-420mm

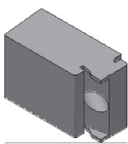
SUMMARY

ACCESSORIES OVERVIEW

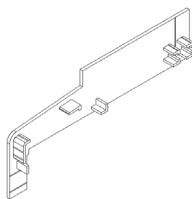
Sub-cill accessories



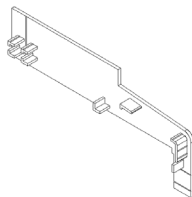
TCZ32204
End plug for sub-cill



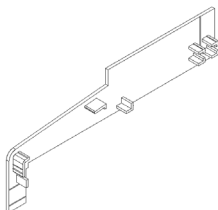
TCZ32205
End plug for sub-cill



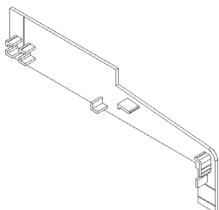
TCZ32102
Sub-cill 135mm end part L



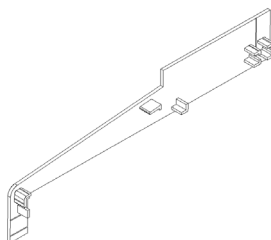
TCZ32103
Sub-cill 135mm end part R



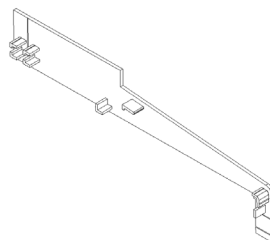
TCZ32104
Sub-cill 155mm end part L



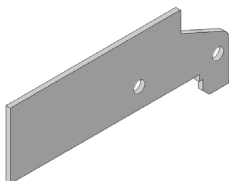
TCZ32105
Sub-cill 155mm end part R



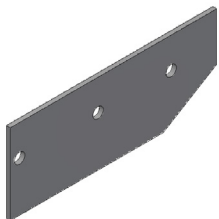
TCZ32106
Sub-cill 190mm end part L



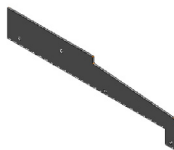
TCZ32107
Sub-cill 190mm end part R



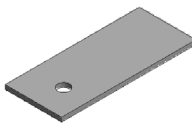
TCZ32110
Sub-cill 100mm end part



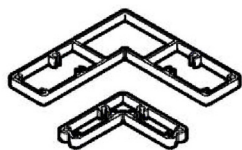
TCZ32108
Sub-cill end part



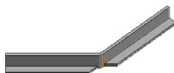
TCZ31156
Sub-cill 250mm end part



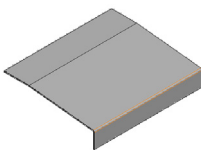
TCZ31987
Sub-cill connector 90°



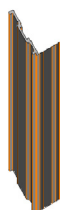
TCZ31989
Sub-cill connector 180°



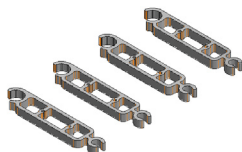
TCZ31152
Sub-cill connector inside



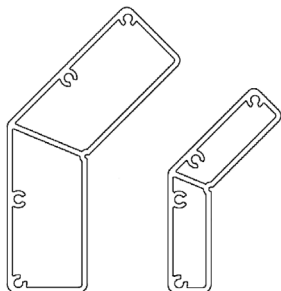
TCZ31154
Sub-cill dilatation plate



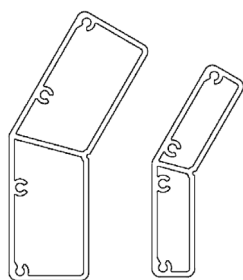
TCZ31155
Sub-cill connector 180°



TCZ31189
Sub-cill connector variable



TCZ31192
Sub-cill connector 135°



TCZ31193
Sub-cill connector 150°

ACCESSORIES OVERVIEW

TECHNAL®

Plastic profiles



TCZ32019
65 Cover profile



TCZ32026
Holder, black plastic



TCZ32022
Cover profile, black synthetic



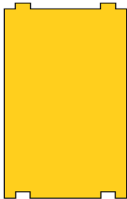
TCZ32035
Clip profile black



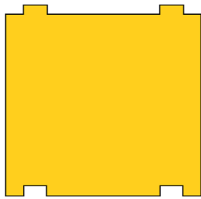
TPZ46108
65 Thermal break profile 30mm



TPZ46105
65 Thermal break profile 30mm



TPZ47112
65 Thermal break profile 100mm



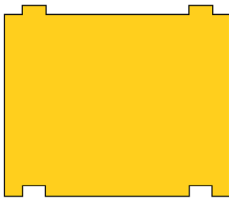
TPZ46107
65 Thermal break profile 60mm



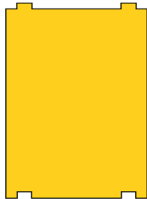
TPZ47111
75 Thermal break profile 30mm



TPZ47109
75 Thermal break profile 30mm



TPZ47110
75 Thermal break profile 60mm



TPZ46106
75 Thermal break profile 100mm

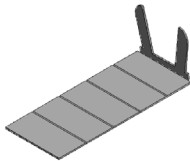
SUMMARY

ACCESSORIES OVERVIEW

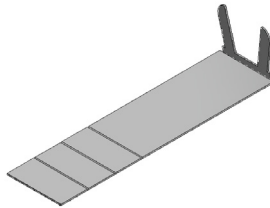
Others



T480001
End plug insulation trim



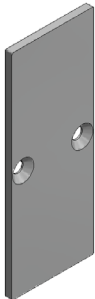
T780033
End plug insulation trim



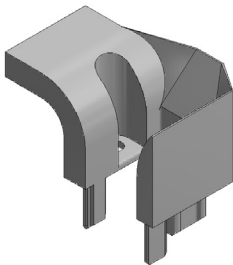
TGY3630
End plug 98-158mm insulation trim



TCZ32938
End part 30/75mm aluminium



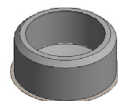
TCZ30939
End part 30/80mm aluminium



TCZ32125
Roller shutter guide end part top



TCZ34661
Screw/Clip 3,9x13mm



TCZ32109
Plug 9mm

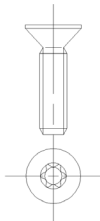
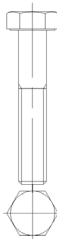
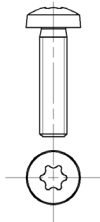
ACCESSORIES OVERVIEW

TECHNICAL

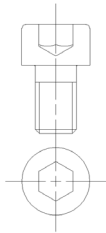
SUMMARY



Standard screws

Description	Type	Length (mm)	Driver	Material	Reference		
Countersunk screw, end chamfered 	M4	16	T20	A2	TCZ34115		
	M5	6	T25	A2	TAY0017		
		10	T25	A2	TGD3711		
		12	T25	A2	TCZ34116		
		16	T25	A2	T770026		
		25	T25	A2	TCZ34058		
		40	T25	A2	TCZ34351		
	M6	20	SW4	A2	TCZ34146		
	M8	16	SW5	A2	TCZ34147		
		25	SW5	A2	TCZ34048		
30		SW5	A2	T770060			
45		SW13	A2	TCZ34291			
65		SW13	A2	TCZ34292			
80		SW13	A2	TCZ34293			
100		SW13	A2	TCZ34294			
130		SW13	A2	TCZ34295			
Hexagon head screw, end chamfered 	M4	16	T20	A2	TCZ34217		
Pan head screw, end chamfered 		M6	16	SW5	A2	TCZ34280	
			16	SW5	A2		
			35	SW5	A2	TCZ34281	
			50	SW5	A2	TCZ34282	
			M8	12	SW6	A2	TTY3724
				25	SW6	A2	TTY3704

Standard screws

Description	Type	Length (mm)	Driver	Material	Reference
Socket head screw, end chamfered 	M8	38	SW6	A2	TCZ34285
Countersunk screw, C cone 	ST3.5	25	T10	A2	TCZ34101
	ST3.9	9.5	T15	A2	TFY3728
		13	T15	A2	TPW3707
		19	T15	A2	TCZ34244
		22	T15	A2	TCZ34245
		25	T15	A2	TCZ34246
		32	T15	A2	TCZ34247
	ST4.2	9.5	T20	A2	TCZ34248
		11	T20	A2	TPY3714
		16	T20	A2	TAY0056
		25	T20	A2	TAY0042
		38	T20	A2	TAY0403
		45	T20	A2	TPW3708
		50	T20	A2	TAY0402
	ST4.8	13	T25	A2	TMY3758
		19	T25	A2	TVM034
		22	T25	A2	TCZ34040
		25	T25	A2	TAA3713
		32	T25	A2	TZZ0053
		45	T25	A2	TZZ0055
		60	T25	A2	TAY0443
		78	T25	A2	TAY0400
		100	T25	A2	TCZ33164
		110	T25	A2	TCZ34249
	ST5.2	40	T25	A2	TCZ34112
		45	T25	A2	TCZ34113
		70	T25	A2	TCZ34114
	ST5.5	25	T25	A2	TAY0451
		32	T25	A2	TCZ34111
	ST6.3	120	T25	A2	TCZ34252
Countersunk screw, self drilling 	ST3.9	13	T15	A2	TCZ34330
	ST4.2	32	T20	A2	T770011
	ST4.8	19	T25	A2	TFY3717

ACCESSORIES OVERVIEW

TECHNAL®

SUMMARY



Standard screws

Description	Type	Length (mm)	Driver	Material	Reference
Countersunk screw, self drilling 	ST4.8	25	T25	A2	TCZ34331
		32	T25	A2	TCZ34332
	ST5.2	28	T20	A2	T770072
		28	T20	A2	TCZ34110
Pan head screw, C cone 	ST3.5	6.5	T15	A2	TCZ34201
		16	T15	A2	TCZ34064
		19	T15	A2	T4070170
	ST3.9	9.5	T15	A2	TZZ0054
		13	T15	A2	T4070040
		19	T15	A2	TAA3712
		25	T15	A2	TCZ34002
		50	T15	A2	TCZ34202
	ST4.2	9.5	T20	A2	TAY3700
		19	T20	A2	TCZ33706
		22	T20	A2	TAY0225
		25	T20	A2	TAY0047
		45	T20	A2	TCZ34049
		50	T20	A2	TCZ34203
		55	T20	A2	TCZ34204
		60	T20	A2	TCZ34205
		70	T20	A2	TCZ34065
	ST4.8	9.5	T25	A2	TCZ34007
		11	T25	A2	TCZ34006
		13	T25	A2	TCZ34004
		16	T25	A2	TFY3720
		22	T25	A2	TVE102
		23	T25	A2	TCZ34050
		25	T25	A2	TPY3724
		27	T25	A2	TCZ34067
		32	T25	A2	TCZ34010
		41	T25	A2	TVE067
		60	T25	A2	T4070051
		65	T25	A2	TCZ34206
		75	T25	A2	TCZ34066
	ST5.5	16	T25	A2	TCZ34068
		23	T25	A2	TAA3719
		29	T25	A2	TAY0081

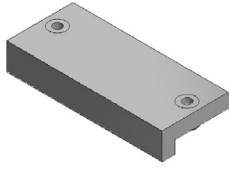
Standard screws

Description	Type	Length (mm)	Driver	Material	Reference
Pan head screw, C cone 	ST5.5	35	T25	A2	TVE066
		38	T25	A2	TML3707
		41	T25	A2	TCZ34012
		45	T25	A2	TCZ34069
		47	T25	A2	TCZ34013
		50	T25	A2	TVM030
		53	T25	A2	TCZ34014
		59	T25	A2	TCZ34015
		60	T25	A2	TVM035
		65	T25	A2	TCZ34016
		71	T25	A2	TCZ34017
		77	T25	A2	TCZ34018
		83	T25	A2	TCZ34030
	ST6.3	25	T30	A2	TMY3745
		32	T25	A2	TCZ34070
		39	T25	A2	TCZ34071
Pan head screw, self drilling 	ST3.9	13	T15	A2	TCZ34053
	ST4.2	11	T20	A2	T770020
		13	T20	A2	TCZ34063
		16	T20	A2	T770021
		20	T20	A2	TCZ34054
		22	T20	A2	T770082
		24	T20	A2	TCZ34055
		34	T20	A2	TCZ34056
		35	T20	A2	TCZ34057
		40	T20	A2	TCZ34342
		45	T20	A2	T770074
		50	T20	A2	TCZ34344
		55	T20	A2	TCZ34345
	ST4.8	19	T25	A2	TVE177
		32	T25	A2	TTY3730
Socket head screw, C cone 	ST5.5	32	SW4	A2	TCZ34148
		23	T25	A2	TCZ34019
		29	T25	A2	TCZ34020
		35	T25	A2	TCZ34021
		41	T25	A2	TCZ34022
		47	T25	A2	TCZ34023
		51	T25	A2	TCZ34151
		53	T25	A2	TCZ34024
		59	T25	A2	TCZ34025

Standard screws

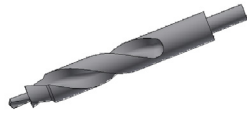
Description	Type	Length (mm)	Driver	Material	Reference
Socket head screw, C cone 	ST5.5	61	T25	A2	TCZ34035
		65	T25	A2	TCZ34026
		67	T25	A2	TCZ34036
		71	T25	A2	TCZ34027
		77	T25	A2	TCZ34028

Jigs and Templates



X5610383

Drill jig for sub-cill



X5610384

Stepdrill Ø8/Ø15mm

TOOLS OVERVIEW

TECHNAL®

Sealants and glues



X5070009
2-Connect 2x300ml



X5070001
Mixing nozzle



X5070018
Silicone 310ml



X5070020
Protector 310mL



X5070012
Gasket glue 50g



X5070044
Butyl sealant 300ml



X5070004
Colour pigment



X5970006
Primer 1L



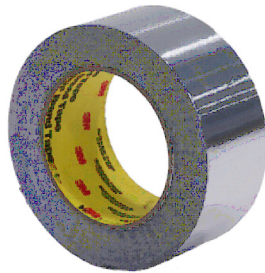
X5070015
Cleaner 5L



X5070024
Grease 1kg

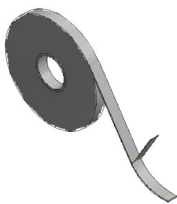


X5070025
G-spray 500ml

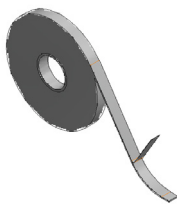


X5070068
Aluminium tape 50mm

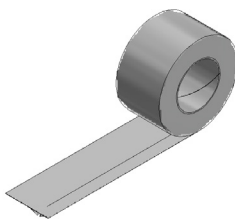
SUMMARY



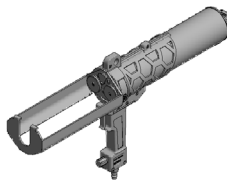
X5070023
Double sided tape 10x1.1mm
- 33m



X4010067
Double sided tape 19x1,1mm
- 33m

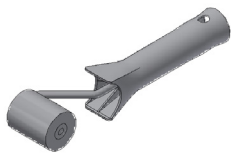


X5070007
Membrane 80mm - 30m



X5060064
Cartridge press pneumatic

Auxiliary means



X5060127
Roller

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