

WICONA®

By  Hydro



DESIGN MANUAL

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» WICTEC 60 NG

ALUMINIUM CURTAIN WALL

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	Page
Contents	1.1
Description of series	2.1
Connection techniques	3.1
Survey of profiles	4.1
Profiles	5.1
Glazing tables	6.1
Example of applications	7.1
Survey of accessories	8.1
Accessories	9.1
Survey of tools	10.1
Tools	11.1
Inertia overview	12.1
Annex	13.1

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Nr	Page	Nr	Page	Nr	Page	Nr	Page	Nr	Page
W0112283	5.20	W0196154	9.23	W3391238	5.18	W4030267	9.22	W4080520	9.30
W0130114	5.18	W0197001	9.32	W3940019	5.20	W4030268	9.22	W4080521	9.30
W0130563	5.19	W0197006	9.32	W4010123	9.8	W4030402	9.20	W4080522	9.30
W0135130	5.16	W0197007	9.32	W4010231	9.7	W4030404	9.21	W4080523	9.30
W0135131	5.16	W0197008	9.33	W4010348	9.6	W4040273	9.29	W4080530	9.30
W0135132	5.16	W0197010	9.32	W4010349	9.6	W4040404	9.29	W4080531	9.30
W0135137	5.16	W0197011	9.32	W4010351	9.6	W4040831	9.29	W4080532	9.31
W0135138	5.16	W0197024	9.34	W4010456	9.9	W4060113	9.25	W4080533	9.31
W0135139	5.16	W0197111	9.34	W4010560	9.3	W4060114	9.25	W4080534	9.31
W0135177	5.19	W0197282	9.31	W4010561	9.3	W4060115	9.25	W4080535	9.31
W0135178	5.19	W0197308	9.32	W4010562	9.4	W4060119	9.25	W4080555	9.33
W0190107	9.7	W0197328	9.33	W4010566	9.3	W4070024	9.27	W4080556	9.34
W0190108	9.7	W0197329	9.33	W4010567	9.3	W4070025	9.35	W4080557	9.34
W0190109	9.6	W0197330	9.33	W4010568	9.3	W4070028	9.35	W4090058	9.23
W0190280	9.2	W0197427	9.29	W4010582	9.5	W4070041	9.27	W4090061	9.23
W0190281	9.2	W0198014	9.27	W4010583	9.5	W4070043	9.35	W4090069	9.23
W0190282	9.3	W0198015	9.26	W4010584	9.6	W4070080	9.35	W4090105	9.23
W0190286	9.2	W0198041	9.26	W4010585	9.4	W4070081	9.35	W4110081	9.8
W0190287	9.2	W0198043	9.26	W4010586	9.4	W4070082	9.35	W4140330	9.19
W0190288	9.2	W0198069	9.26	W4010587	9.5	W4070083	9.35	W4140431	9.29
W0190301	9.7	W0198072	9.26	W4020226	9.10	W4070084	9.35	W4670698	9.28
W0190307	9.7	W0198185	9.26	W4020232	9.11	W4070085	9.35	W4671171	9.28
W0190308	9.7	W0199205	9.19	W4020233	9.11	W4070086	9.35	W4910026	9.8
W0190309	9.8	W3000293	5.17	W4020234	9.11	W4070087	9.35	W4910027	9.8
W0190469	9.4	W3000304	5.13	W4020235	9.12	W4070088	9.35	W4910028	9.8
W0190470	9.5	W3030220	5.2	W4020236	9.12	W4070089	9.35	W4910029	9.9
W0190559	9.5	W3030221	5.2	W4020237	9.12	W4070090	9.35	W4910030	9.9
W0190560	9.5	W3030222	5.2	W4020238	9.12	W4070091	9.35	W6970054	9.34
W0190565	9.4	W3030223	5.2	W4020240	9.12	W4070092	9.35	X5010271	11.3
W0190566	9.4	W3030224	5.3	W4020241	9.12	W4070093	9.35	X5010272	11.3
W0190569	9.6	W3030225	5.3	W4020242	9.13	W4070094	9.35	X5010273	11.3
W0192290	9.14	W3030226	5.3	W4020243	9.13	W4070095	9.35	X5010277	11.3
W0192291	9.14	W3030230	5.4	W4020244	9.13	W4070096	9.35	X5010375	11.3
W0192292	9.14	W3030231	5.4	W4020245	9.13	W4070097	9.35	X5010390	11.3
W0192293	9.14	W3030232	5.5	W4020246	9.13	W4070133	9.36	X5010467	11.4
W0192294	9.14	W3030233	5.5	W4020248	9.10	W4070134	9.36	X5040000	11.7
W0192295	9.14	W3030234	5.6	W4020250	9.10	W4070142	9.35	X5040193	11.7
W0192296	9.17	W3030235	5.6	W4020251	9.10	W4070170	9.27	X5040194	11.7
W0192297	9.17	W3030236	5.7	W4020252	9.11	W4070175	9.35	X5040195	11.7
W0192298	9.17	W3030243	5.7	W4020253	9.11	W4070176	9.35	X5040196	11.7
W0192299	9.17	W3030244	5.7	W4020254	9.11	W4070247	9.36	X5060006	11.5
W0192300	9.17	W3030249	5.12	W4020307	9.10	W4070248	9.36	X5060007	11.5
W0192301	9.17	W3030251	5.14	W4020308	9.13	W4070249	9.36	X5060057	11.2
W0192369	9.10	W3030252	5.14	W4020346	9.18	W4070401	9.36	X5060058	11.2
W0196058	9.21	W3030253	5.14	W4020347	9.18	W4070402	9.36	X5060080	11.2
W0196059	9.21	W3030254	5.14	W4020348	9.18	W4070403	9.36	X5060118	11.2
W0196060	9.21	W3030255	5.14	W4020349	9.18	W4070404	9.36	X5060119	11.2
W0196061	9.21	W3030257	5.15	W4020352	9.18	W4070405	9.36	X5060121	11.2
W0196062	9.22	W3030259	5.15	W4020357	9.18	W4070437	9.36	X5060217	11.5
W0196063	9.22	W3030260	5.17	W4020433	9.15	W4070438	9.36	X5060218	11.5
W0196064	9.22	W3030265	5.12	W4020434	9.15	W4070439	9.36	X5060219	11.5
W0196065	9.20	W3030266	5.12	W4020435	9.15	W4070440	9.36	X5060220	11.5
W0196066	9.20	W3030267	5.12	W4020436	9.15	W4070508	9.36	X5060342	11.6
W0196067	9.20	W3030268	5.13	W4020437	9.15	W4070509	9.36	X5060343	11.6
W0196068	9.20	W3030269	5.8	W4020438	9.15	W4070513	9.35	X5060344	11.6
W0196069	9.20	W3030270	5.8	W4020445	9.16	W4070545	9.28	X5070009	11.8
W0196077	9.24	W3030271	5.9	W4020446	9.16	W4070559	9.28	X5070015	11.8
W0196078	9.24	W3030272	5.9	W4020447	9.16	W4080079	9.27	X5070018	11.8
W0196079	9.24	W3030273	5.10	W4020448	9.16	W4080080	9.27	X5070044	11.8
W0196080	9.24	W3030274	5.10	W4020449	9.16	W4080264	9.31	X5070068	11.8
W0196088	9.21	W3030275	5.11	W4020450	9.16	W4080513	9.34	X5940008	11.7
W0196152	9.22	W3030276	5.11	W4030138	9.24	W4080514	9.33	X5970006	11.8
W0196153	9.23	W3030280	5.17	W4030144	9.24	W4080519	9.29		

Nr	Page	Nr	Page	Nr	Page	Nr	Page	Nr	Page
DIG-0000009	7.12	DIG-0000323	6.36						
DIG-0000012	7.14	DIG-0000325	6.5						
DIG-0000016	7.12	DIG-0000326	6.13						
DIG-0000018	7.4	DIG-0000328	6.14						
DIG-0000019	7.3	DIG-0000329	6.15						
DIG-0000020	7.8	DIG-0000331	4.2						
DIG-0000022	7.8	DIG-0000336	4.3						
DIG-0000024	7.5	DIG-0000340	4.4						
DIG-0000025	7.3	DIG-0000341	4.7						
DIG-0000027	7.7	DIG-0000342	4.6						
DIG-0000028	7.5	DIG-0000343	4.5						
DIG-0000031	7.9	DIG-0000344	4.8						
DIG-0000032	7.10	DIG-0000374	3.2						
DIG-0000033	7.10	DIG-0000376	3.3						
DIG-0000035	7.4	DIG-0000377	3.4						
DIG-0000038	7.6	DIG-0000378	3.7						
DIG-0000041	7.6	DIG-0000379	3.8						
DIG-0000043	7.13	DIG-0000380	3.5						
DIG-0000062	7.21	DIG-0000381	3.6						
DIG-0000063	7.21	DIG-0000384	3.9						
DIG-0000064	7.20	DIG-0000385	2.2						
DIG-0000065	7.20	DIG-0000386	3.10						
DIG-0000067	7.16	DIG-0000387	2.3						
DIG-0000071	7.19	DIG-0000388	2.4						
DIG-0000072	7.19	DIG-0000389	2.6						
DIG-0000073	7.18	DIG-0000391	2.7						
DIG-0000074	7.18	DIG-0000392	2.8						
DIG-0000081	7.15	DIG-0000393	1.3						
DIG-0000082	7.11	DIG-0000394	1.4						
DIG-0000083	7.11	DIG-0000396	1.5						
DIG-0000084	7.14	DIG-0000397	1.6						
DIG-0000091	7.17	DIG-0000398	1.7						
DIG-0000092	7.16	DIG-0000401	2.9						
DIG-0000093	7.15	DIG-0000402	2.10						
DIG-0000094	7.13	DIG-0000404	13.2						
DIG-0000150	6.2	DIG-0000405	2.5						
DIG-0000154	6.3	DIG-0000409	1.2						
DIG-0000157	6.4	DIG-0000466	1.8						
DIG-0000200	6.7	DIG-0000528	3.11						
DIG-0000213	7.2	DIG-0000536	3.12						
DIG-0000264	6.6	DIG-0000538	3.15						
DIG-0000280	6.16	DIG-0000541	3.16						
DIG-0000289	6.8	DIG-0000542	3.13						
DIG-0000298	6.9	DIG-0000544	3.14						
DIG-0000299	6.11	DIG-0000545	3.17						
DIG-0000300	6.12	DIG-0002050	6.28						
DIG-0000303	6.17	DIG-0002051	6.29						
DIG-0000305	6.24	DIG-0002895	6.10						
DIG-0000306	6.25	DIG-0003026	13.3						
DIG-0000307	6.18								
DIG-0000308	6.19								
DIG-0000309	6.20								
DIG-0000310	6.21								
DIG-0000311	6.22								
DIG-0000312	6.23								
DIG-0000315	6.26								
DIG-0000316	6.27								
DIG-0000317	6.30								
DIG-0000318	6.31								
DIG-0000319	6.32								
DIG-0000320	6.33								
DIG-0000321	6.34								
DIG-0000322	6.35								

	Page
Disclaimer	1.2
<i>Disclaimer</i>	<i>1.2</i>
General information	1.3
<i>Important indications</i>	<i>1.3</i>
Abbreviations	1.8
<i>Abbreviations curtain Wall</i>	<i>1.8</i>
Section Symbols	1.9
Symbols	1.10

Disclaimer

Disclaimer

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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 WICONA® product range are used. The use of the trademark for WICONA® 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 „ WICONA® 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.

General information

Important indications - Part 1

Material and performances

With some exceptions, WICONA® 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.

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.

General information

Important indications - Part 2

WICONA® 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 WICONA® 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 WICONA® 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 sills,... 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.

General information

Important indications - Part 3

- 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.

General information

Important indications - Part 4

• 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 WICONA® 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. WICONA® 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.

General information

Important indications - Part 5

6. Cleaning

WICONA® 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.

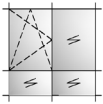
On larger projects and public buildings, maintenance should be carried out by professionals, especially when they relate to further preservation measures. In this case, the fabricator can assure the quality of his work over a long period of time and the satisfaction of his client by concluding a maintenance 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.

Abbreviations

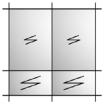
Abbreviations curtain Wall

	Description		Description
L1,L2	Level	F_v	Dead load
f	Deflection	F_v	Vertical load
W	Width (W1, W2...)	F_h	Horizontal load
Wmc	Length centers	F_L	Perpendicular load
H	Height (H1, H2 ...)	$F_{ }$	Parallel load
Htc	Transom center lines	ht	Height of thermal break profile
Gs	Single glazing	hc	Height of cover profile
Hi	Infill height dimension	x	Setting dimension in step drill
Wi	Infill width dimension	x	Length
Gd	Insulation glass thickness (double)	R	Reducers
Gt	Insulation glass thickness (triple)	Im	Internal glazing gasket for mullion
Ti	Infill thickness	It	Internal glazing gasket for transom
Gsp	Float glass	TB	Thermal break
Glg	Laminated glass	E	External glazing gasket
Gsg	Single pane safety glass (toughened glass)	S	Supports
Ghs	Heat-strengthened glass	A	Anchor
HL	Horizontal Line Aspect	W	Frame width
VL	Vertical Line Aspect	H	Frame height
SSG	Structural Sealant Glazing	Gs1	Supporting shims corresponding to shimming guidelines
F CPP	Flat Cap Pressure Plate	Gs2	Spacer shims corresponding to shimming guidelines
CPP	Continuous Pressure Plate	Gs3	Spacer shims for transport and handling
PPP	Punctual Pressure Plate	Wb	Glazing bead width
HV	Vent or Sash Height	Hb	Glazing bead height
WV	Vent or Sash width (Wv1, Wv2 ...)	s	Spigot (top or bottom)
D	System depth	w	Wall
H	Height of slope	f	Floor (on top or underneath)
sc	Sloped crossbar	u	Under the slab
dc	Diagonal crossbar	fb	Fixed bearing (dead load)
α	Angle of roof pitch	mb	Moveable bearing (live load)
γ	Angle of diagonal crossbar pitch	sb	Saw blade pitch
δ	Angle of roof surfaces	ca	Control angle
ρ	Angle in floor plan	tp	Turning of profile
β	Surface angle	a	Bearing distance
ai	Angle of intersection	F_{h-}	Wind suction
nh	Notching height	F_{h+}	Wind pressure
cd	Control dimension	F_t	Traction
nw	Notching width		

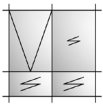
Section Symbols



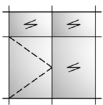
curtain wall with turn-tilt window and sub-light



curtain wall with fixed glazing and sub-light



curtain wall with top hung window and sub-light



Curtain wall with inwards opening door and fanlight

Symbols



Inertia X-Y



Inertia Y-X



Scale



Drilling

	Page
Stick construction	2.2
<i>Standard series in general</i>	2.2
<i>Horizontal line - Vertical line</i>	2.5
<i>Flat pressure plate</i>	2.6
<i>High insulated</i>	2.7
Façade fixing	2.8
<i>Anchor Type 1</i>	2.8
<i>Anchor Type 2</i>	2.9
<i>Anchor Type 3</i>	2.10

Stick construction

Standard series in general

Stick façade construction of aluminium profiles with thermal breaks, outer pressure profiles with EPDM gaskets and cover profiles.

Formation possibilities and efficient fabrication of:

Vertical and inclined curtain walls.

Polygonal façade, faceted on plan +/- 10° using standard mullion profiles.

Special WICTEC designs:

Façades with flat cap profiles.

Façades with horizontal line or vertical line

System evidence:

Air permeability, tightness against heavy rain force and reaction in case of wind load, tested on large surface façade unit according to the testing and classification fundamentals of EN 13830.

Burglary resistant: according to EN1627: 2011, resistance class RC 1N/ RC2 N/ RC 2/ RC 3.

Profile programme:

Mullion and transom profiles.

Cover profiles in aluminium.

Special profiles for base point and eaves point.

Profile technique:

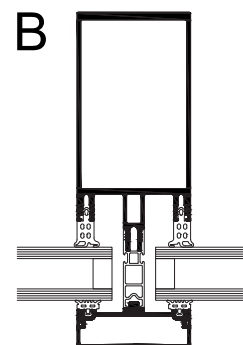
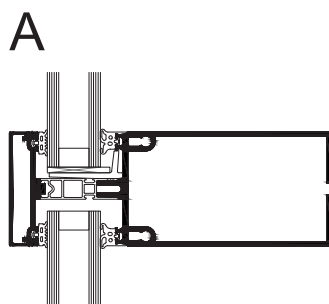
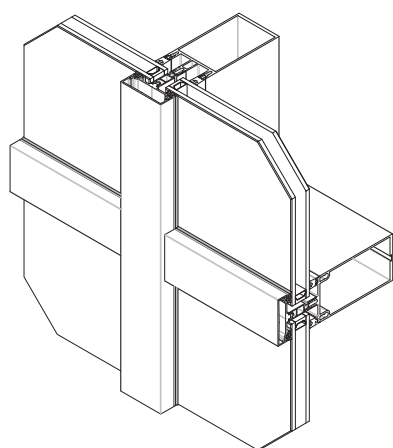
Sightline: 60 mm outside and inside.

Mullion and transom profile construction depth:

- 70 mm up to 190 mm mullion profiles.
- 69.5 mm up to 189.5 mm transom profiles.
- 20 mm increments in mullion and transom profile depths
- 4 mm up to 100 mm pressure and cover profiles.
- Mullion and transom profiles with edged profile corners and the possibility of matching flush depths on the inside.
- Inner adapter profiles for compensating different infill thicknesses.

A. Transom profile with fixed glazing

B. Mullion profile with fixed glazing



Stick construction

Standard series in general

Screwed pressure profiles (pressure covers) axial to the load bearing profiles.

Screw distance of pressure profiles approximately 300 mm (boundary area 150 mm). Self-tapping convex filister head screws and filister socket head screws according to selection tables.

Cover profiles can be snapped on pressure profile W3030265. In case of extreme thermal and mechanical stress of cover profiles with different shapes, additional safeguard (cover profile length above 1.20m) with holder W4080514 is recommended. The holder is screwed on pressure profile, approximately 30 mm from profile end vertically, horizontally in transom centre (due to dilatation reasons e.g. through heat load). Selectively, secure with countersunk screw or self-tapping convex filister head screw ST3.9 x 13.

Profile joint connection:

- Notched transom profiles.
- The mullion profiles and the admissible modular dimensions have to be determined from the static charts for wind load and glass load (see technical hints)

The admissible transom profile and the modular dimensions has to be determined from the static charts for wind load and glass load (see technical hints).

Reliable overlapped transom fixing with double screwing. Each transom joint reliably sealed with parts made of EPDM-Foam. Transom screwing up to 3.0 kN (300 kg) infill weight.

Additional transom fixing with connectors made of aluminium for higher field weights, subsequent transom assembly is also possible.

Transom loading up to 8.5 kN (850 kg) infill weight with connectors and connector pins.

Vertical mullion connections (vertical expansion joints) with aluminium insertion connectors.

Tightening torque of transom screwing: max 500 Ncm.

Glazings:

Glazing from outside.

Infills and infill thicknesses:

- in transparent area from 22 mm up to 62 mm.
- in parapet or wall area according to profile depths, setups and compound edge of infills.

Glazing technique and shimming of infills in accordance with the relevant glazing guidelines. Supporting shims laid on aluminium supports for load bearing.

Gasket profiles:

Inner glazing gaskets made of non-ageing EPDM or EPDM-Foam.

Outer glazing gaskets, symmetrical and made from EPDM or TPE.

Inner glazing gaskets, EPDM with butt-joint and silicone sealing, moulded corners with linear gasket lengths or fully vulcanized frames.

EPDM foam without sealant between mullion and transom gasket.

Continuous, vertical outer gaskets in pressure profiles, with butt-joint horizontally, as single gaskets.

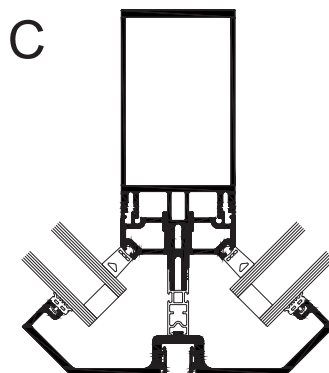
Thermal insulation:

U_f - value 1.31 W/m².K according to EN ISO 10077-2.

Insulation strips and infill thicknesses above 24 mm construction depth for higher requirements on insulation.

Continuous insulation strips (material ABS) with construction heights corresponding to the infill thicknesses up to 62 mm.

C : 90° Corner mullion with fix



Stick construction

Standard series in general

Air pressure equalization and drainage:

The façade system fulfils the current regulations and recommendations of insulation glass manufacturers.

Drainage principle:

Façade height $H \leq 19.5$ m

- from transoms into mullion channel up to base point.

Pressure equalization at the top and base point

Façade height $H > 19.5$ m

per floor (height ≤ 6 m)

- from bottom transom direct towards outside or through mullion drainage.

Air pressure equalization at the top via pressure profiles, at the bottom via central drainage.

Fastening technique:

Fastening façade supporting framework with aluminium bracket sets.

Complete unit fixing system, selectively on the floor slab, in front of the floor slab or under the floor slab.

Easy adjustment of units in the prearranged attachments.

Insertion units:

WICLINE window units with clamping frame, standard and concealed sashes, parallel sliding units and projecting top-hung windows.

WICSTYLE door units, opening inwards and outwards.

Both opening types, selectively:

- Burglar resistant

Length change due to material-specific properties:

Under the influence of heat, materials expand due to their specific properties. This also applies to aluminium, the basic material of our constructions.

This property should be taken into account during planning, manufacturing and installation to avoid stress in the construction by systematically releasing it.

In this respect, please follow the relevant rules, directives and manufacturing guidelines.

Statical requirements

References to further regulations:

- The construction including mounting units must take up all impacting loads and transfer on to the bearing units of building.

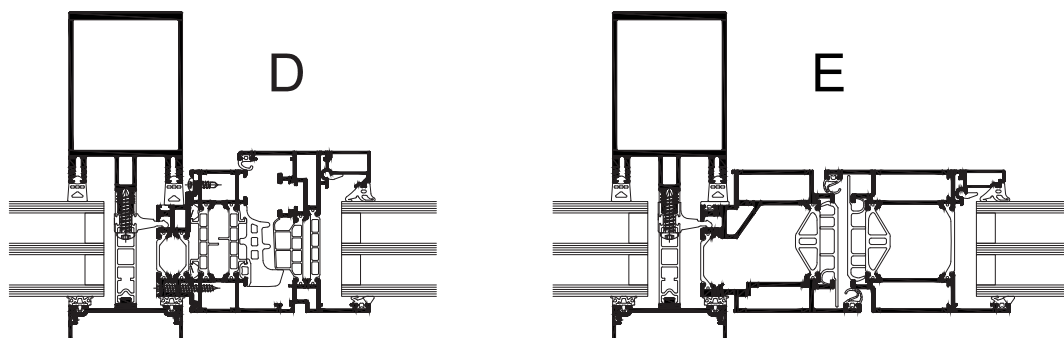
Fundamentals for rough dimensioning are articulated in the WICONA® professional information.

Furthermore, modulated statical evidence of project conditions is necessary.

- Consider the relevant technical regulations, standards, guidelines and technical hints included in the WICLINE -guidelines.

D: Mullion-window section- with WICLINE 75 open-in window

E: Mullion-door section - with WICSTYLE 75 open-in door



Stick construction

Horizontal line - Vertical line

In general:

The WICTEC 60 NG Horizontal Line and Vertical Line systems are a further development of the stick type façade construction to create emphasis on the horizontal or vertical profiles by minimising the external appearance of the adjacent lines respectively.

For Horizontal Line, the vertical pressure plates and cover caps are replaced by a central gasket, that locates directly into the vertical ABS thermal break profile and fits in between the glazing units.

For Vertical Line, the horizontal pressure plates and cover caps are replaced by a central gasket, that locates directly into the horizontal ABS thermal break profile, fits in between the glazing units and is sealed using weather silicone to the underside of the upper glazing unit.

Drainage :

In both situations, cascading drainage from transom to mullion, with foam drainage parts located at defined levels that block the drainage channel in the mullion profile in line with the transom nose, and divert water out of the façade through prepared holes in the pressure plate profile.

For horizontal line with mullion centres greater than 1.0 m, and additional drainage must be prepared in the centre of the horizontal pressure plate and feature cap.

For vertical line, the central gasket on the transom is limited to mullion centres up to 1.0 m.

For mullion centres between 1.0 m and 1.5 m, the flat cap profile can be used on the transom as an alternative to the central gasket, with an additional drainage prepared in the centre of the flat cap, fitted with a drainage bush.

Depending on the unit sizes and project wind pressures, discrete intermittent pressure plates may be required in addition to the central gasket, to ensure air/water-tightness.

Glazing :

Insulation glass with ultraviolet resistant compound edge.

Infill thicknesses :

Insulation glass 22 mm up to 62 mm.

Construction depths:

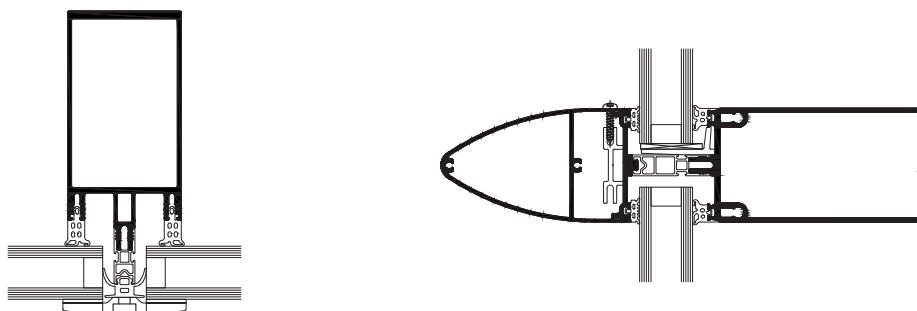
In line with WICTEC 60 NG standard façade.

Profile techniques :

In line with WICTEC 60 NG standard façade.

Thermal insulation :

U_f - value 1.08 W/m².K for the minimal line, according to EN ISO 10077-2



Stick construction

Flat pressure plate

In general:

- The flat pressure plate system is a creative expansion of WICTEC 60 NG stick installation series.
- The very flat, overlying pressure profiles, replace the standard cover profiles and produce the character of a structural glazing.
- Same construction height of pressure profiles for mullion and transom profiles.
- Standard solution: Black colored pressure profiles with black screw head covers.
- Burglary resistant according to EN 1627:2011 RC 1 N/ RC 2 N / RC 2.

Alternative:

Flat pressure plates in any color and visible screwing.

Thermal insulation corresponding to the WICTEC 60 NG series.

Thermal insulation advantages compared to Structural Glazing.

No approval of general building authorities required.

No necessity of consent in individual case.

(Technical Regulations for linear superposed glazings)

- Admissible unit sizes similar to WICTEC 60 NG.

Profile technique:

- Sight line of flat pressure plate profiles: 58 mm.
- Sight line module including gaskets: 61 mm.
- Mullion and transom profiles from the standard WICTEC product range.

Drainage :

Cascading drainage from transom to mullion, with foam drainage parts located at defined levels (see workshop manual) that block the drainage channel in the mullion profile in line with the transom nose, and divert water out of the façade through prepared holes in the vertical flat pressure plate profile, fitted with a drainage cap.

For mullion centres between 1.0 m and 1.5 m, an additional drainage must be prepared in the centre of the horizontal flat pressure plate, fitted with a drainage bush.

Gasket profiles:

Self-adhesive outer glazing gaskets guided by pressure plate profiles.

Glazing:

Insulation glass with normal compound edge.

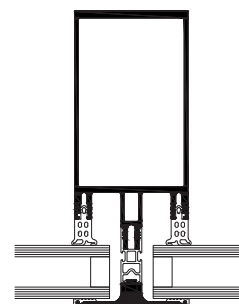
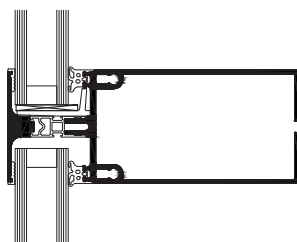
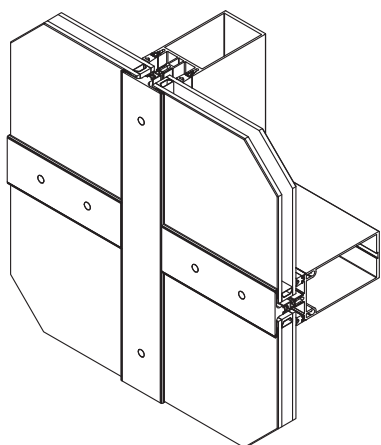
Infill thicknesses:

Insulation glass 22 mm up to 61 mm.

Thermal insulation:

U_f - value 1.44 W/m²K, according to EN ISO 10077-2.

All further technical series characteristics and processing guidelines according to the standard WICTEC 60 NG series.



Stick construction

High insulated

WICTEC 60 NG HI

In general:

The WICTEC 60 NG HI is a further development of the stick type façade construction for improved thermal insulation.

Substantial difference to the standard façade in assembly technique:

- Installation of thermal break parts follows immediately after the installation of glazing on site.
- Based on the simple processing procedures of the insulation parts efficient and secured processing is guaranteed.

Also suitable for faceted on plan facades +/- 10°.

Noticeably better U_f values are achieved by using insulation parts made of elastomere instead of plastic thermal break strips of the standard series.

Burglary resistant according to EN 1627:2011, RC 1 N / RC 2 N / RC 2.

Construction depths:

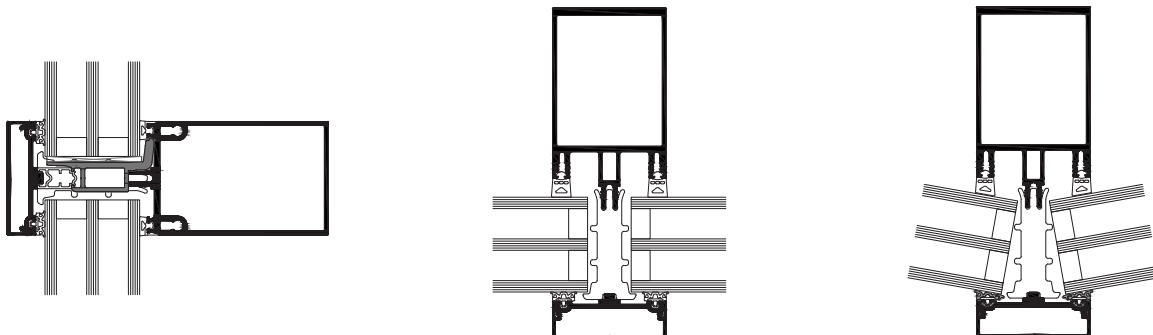
In line with WICTEC 60 NG standard façade.

Profile technique:

In line with WICTEC 60 NG standard façade.

Thermal insulation:

- U_f - value 0.67 W/m²K according to EN ISO 10077-2.
- Insulation parts made of elastomere and infill thicknesses from 22 - 62 mm for increased thermal insulation requirements.
- The compatibility between insulation part and glass should be clarified with the local suppliers (e.g. insulation glass manufacturer).



Façade fixing

Anchor Type 1

Note : Mullion assembly from the front. However, there is no possibility of lateral unit assembly.

A = Fixing under the slab

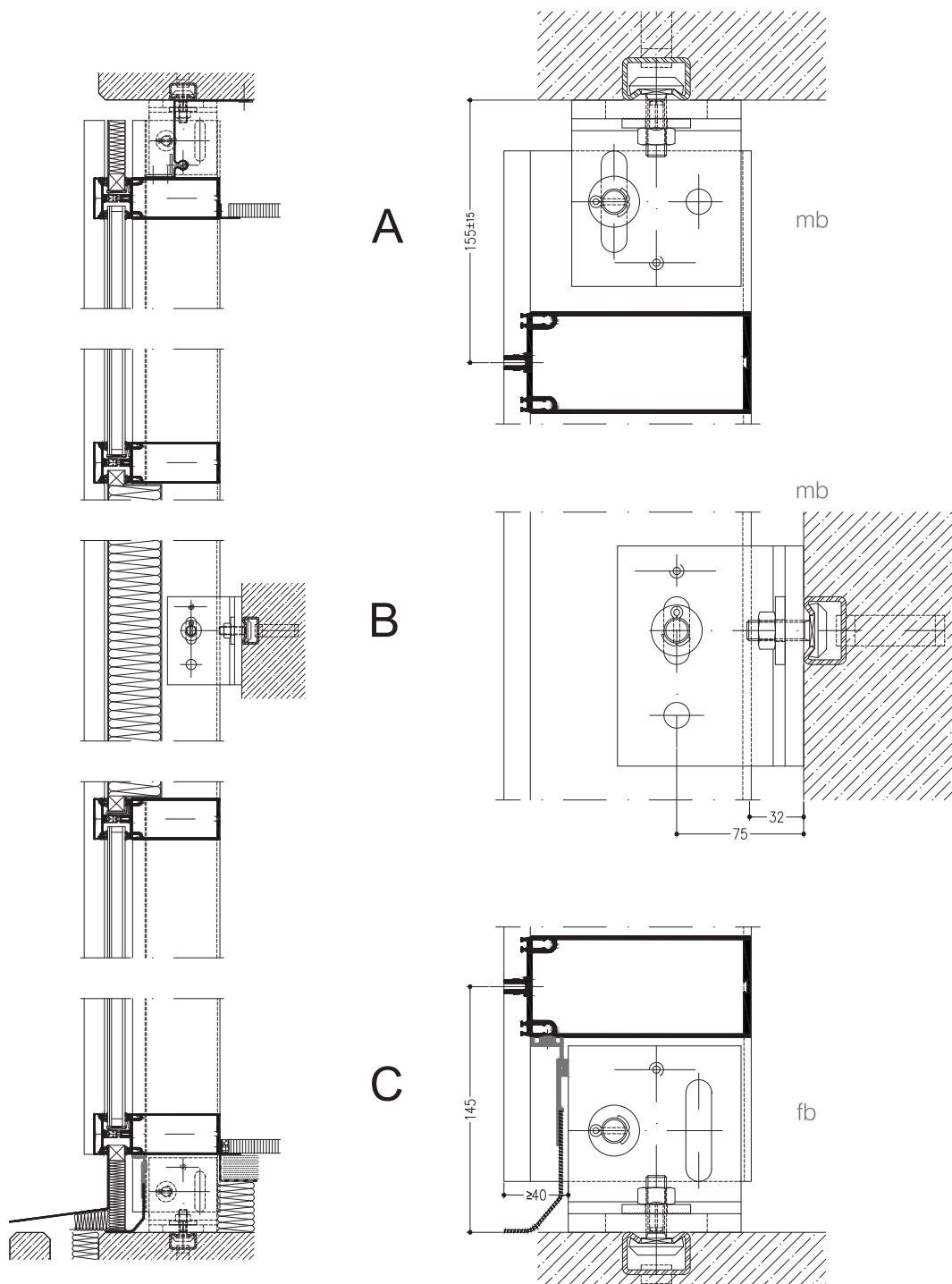
Anchor Type 1s movable bearing (mb) or fixed bearing (fb) respectively.

B = Fixing on the front side of slab (wall)

Anchor Type 1w movable bearing (mb) or fixed bearing (fb) respectively.

C = Fixing on the slab (floor)

Anchor Type 1s movable bearing (mb) or fixed bearing (fb) respectively.



Façade fixing

Anchor Type 2

Note:

Mullion assembly on supporting bolts from the top. However, there is no possibility of lateral unit assembly.

D = Fixing under the slab

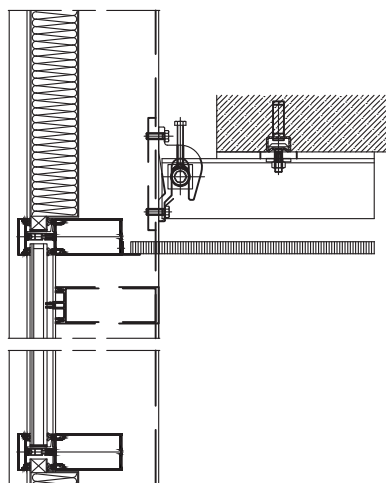
Anchor Type 2f, movable bearing (mb) or fixed bearing (fb) respectively.

E = Fixing on the front side of ceiling (wall)

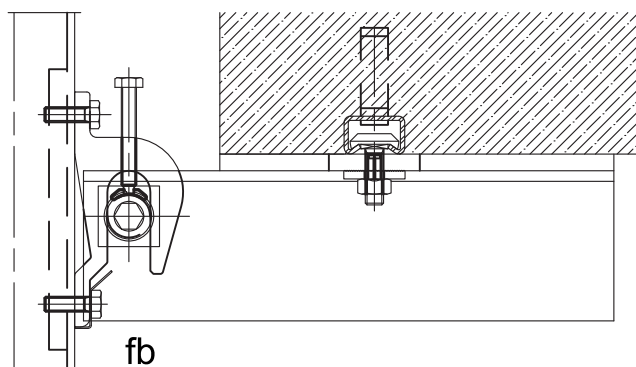
Anchor Type 2w, movable bearing (mb) or fixed bearing (fb) respectively

F = Fixing on the slab (floor)

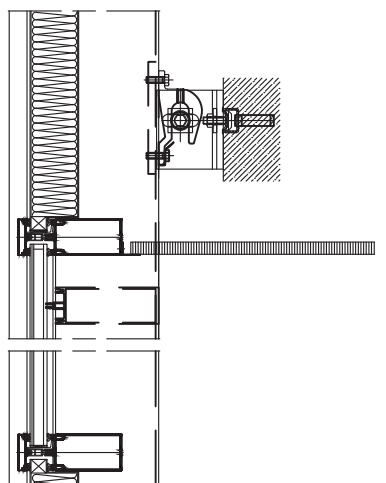
Anchor Type 2f, movable bearing (mb) or fixed bearing (fb) respectively



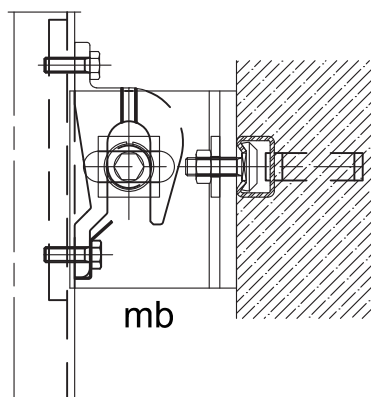
D



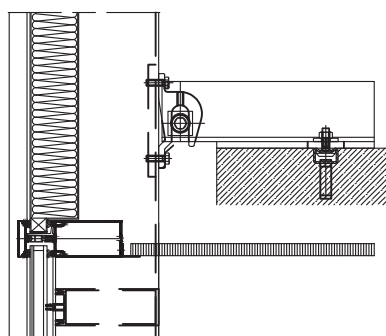
fb



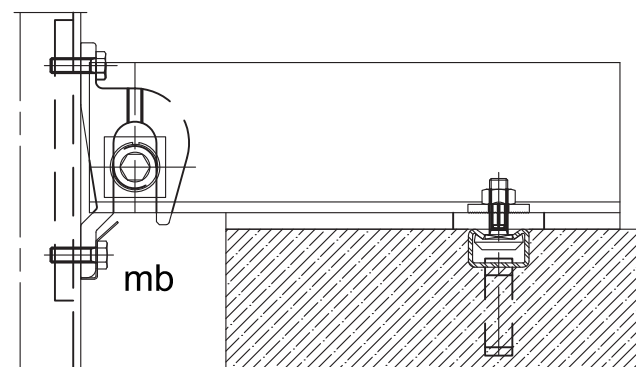
E



mb



F



mb

Façade fixing

Anchor Type 3

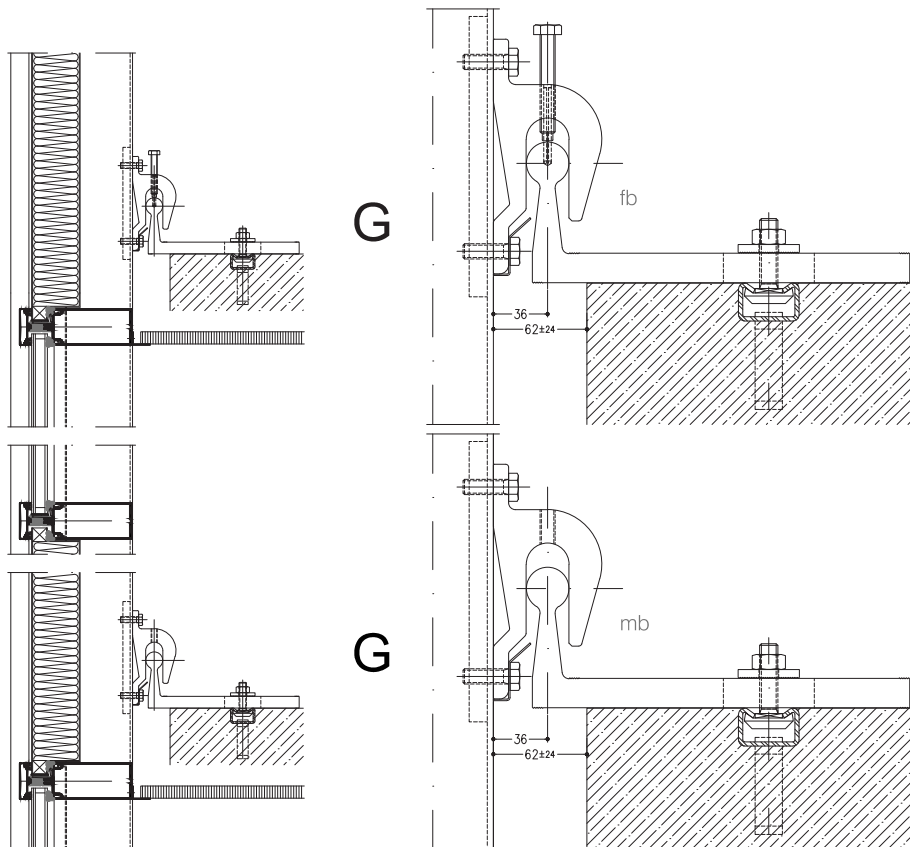
Note:

Mullion assembly from the top or laterally.

Secured by pin against lateral slipping.

G= Fixing on the slab

Anchor Type 3f, movable bearing (mb) or fixed bearing (fb) respectively



	Page
T-connections	3.2
<i>A1/A2/B1/B2/C1</i>	3.2
Maximum loads	3.3
<i>Connection type A1</i>	3.3
<i>Connection type A2</i>	3.4
<i>Connection type B1</i>	3.5
<i>Connection type B2</i>	3.6
<i>Connection B1 with anti rotation</i>	3.7
<i>Connection B2 with anti rotation</i>	3.8
<i>Connection type C1</i>	3.9
<i>Connection windload and traction</i>	3.10
<i>Connection type A1</i>	3.11
<i>Connection type A2</i>	3.12
<i>Connection type B1</i>	3.13
<i>Connection type B2</i>	3.14
<i>Connection B1 with anti rotation</i>	3.15
<i>Connection B2 with anti rotation</i>	3.16
<i>Connection type C1</i>	3.17

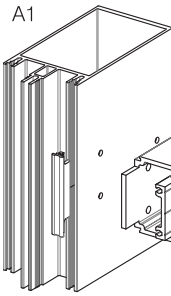
T-connections

A1/A2/B1/B2/C1

A1

end load of transom

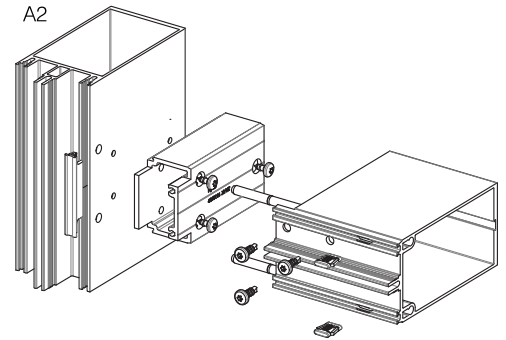
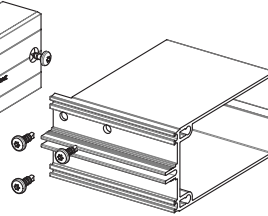
- W4060114, W4070176
- W4070545



A2

end load of transom

- W4060114, W4070176
- 2 x W4070559
- 2 x W4040831
- W4070545



B1

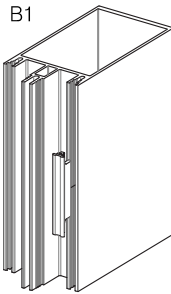
front load of transom

- W4070545

B1 *

optional

- anti-rotation W4060119

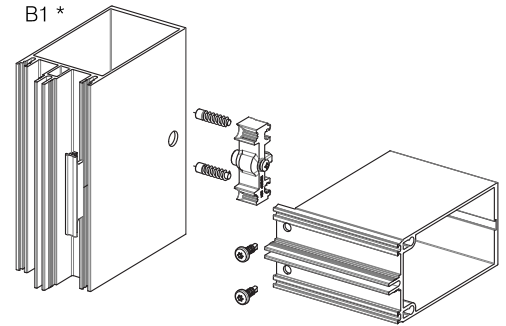
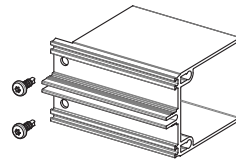


B1 *

B2

front load of transom

- 2 x W4070559
- 2 x W4040831
- W4070545



B2 *

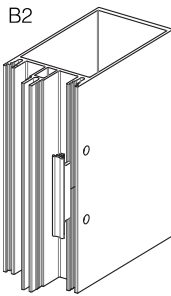
optional

- with anti-rotation W4060119

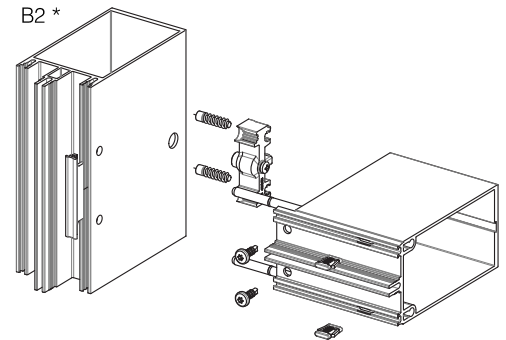
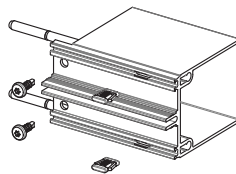
C1

end load of transom

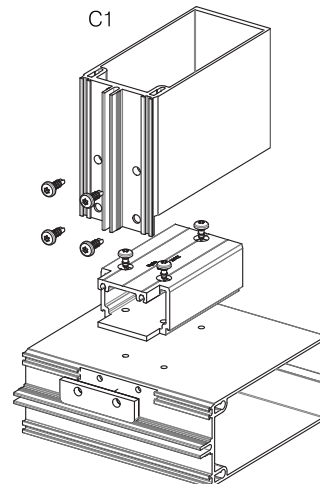
- W4060114, W4070176
- W4070545



B2 *



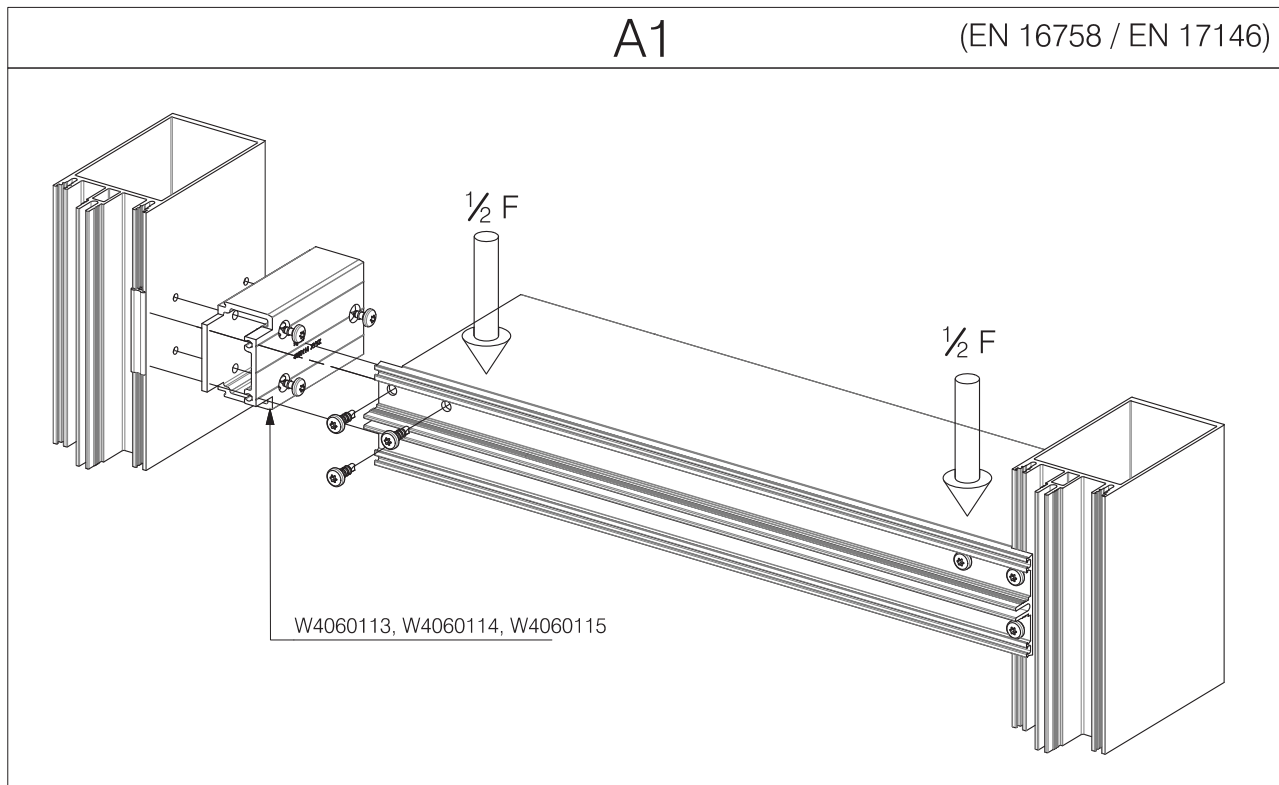
C1



Maximum loads

Connection type A1

Table reflects the maximum infill load per transom following EN 16758 and EN 17146

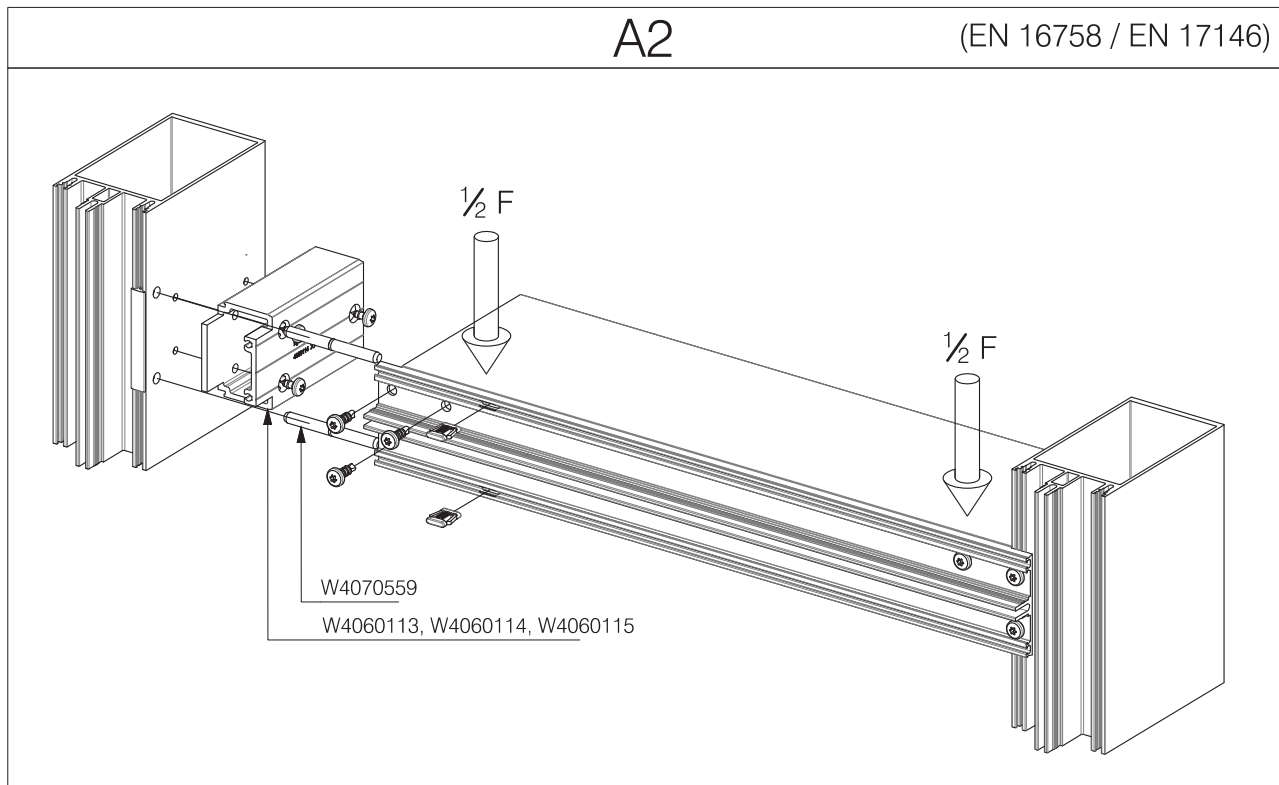


			kN	kN		kN	kN
22 - 26	19	W4080519	3.60				
28 - 32	22	W4080520	2.80		W4080530	4.50	
34 - 38	25	W4080521	2.40	3.00	W4080531	4.20	4.20
40 - 44	28	W4080522	2.00	2.40	W4080532	4.00	4.00
46 - 50	31	W4080523	1.60	2.00	W4080533	3.60	3.60
52 - 56	34				W4080534	3.30	3.30
58 - 62	37				W4080535	3.00	3.00

Maximum loads

Connection type A2

Table reflects the maximum infill load per transom following EN 16758 and EN 17146



			kN	kN		kN	kN
22 - 26	19	W4080519	3.60				
28 - 32	22	W4080520	2.80		W4080530	7.00	
34 - 38	25	W4080521	2.40	3.00	W4080531	6.60	6.60
40 - 44	28	W4080522	2.00	2.40	W4080532	6.30	6.30
46 - 50	31	W4080523	1.60	2.00	W4080533	6.00	6.00
52 - 56	34				W4080534	5.50	5.50
58 - 62	37				W4080535	5.00	5.00

Maximum loads

Connection type B1

Table reflects the maximum infill load per transom following EN 16758 and EN 17146

		B1		(EN 16758 / EN 17146)			
			 kN	 kN		 kN	 kN
22 - 26	19	W4080519	3.00				
28 - 32	22	W4080520	2.80		W4080530	2.80	
34 - 38	25	W4080521	2.40	2.40	W4080531	2.40	2.40

Maximum loads

Connection type B2

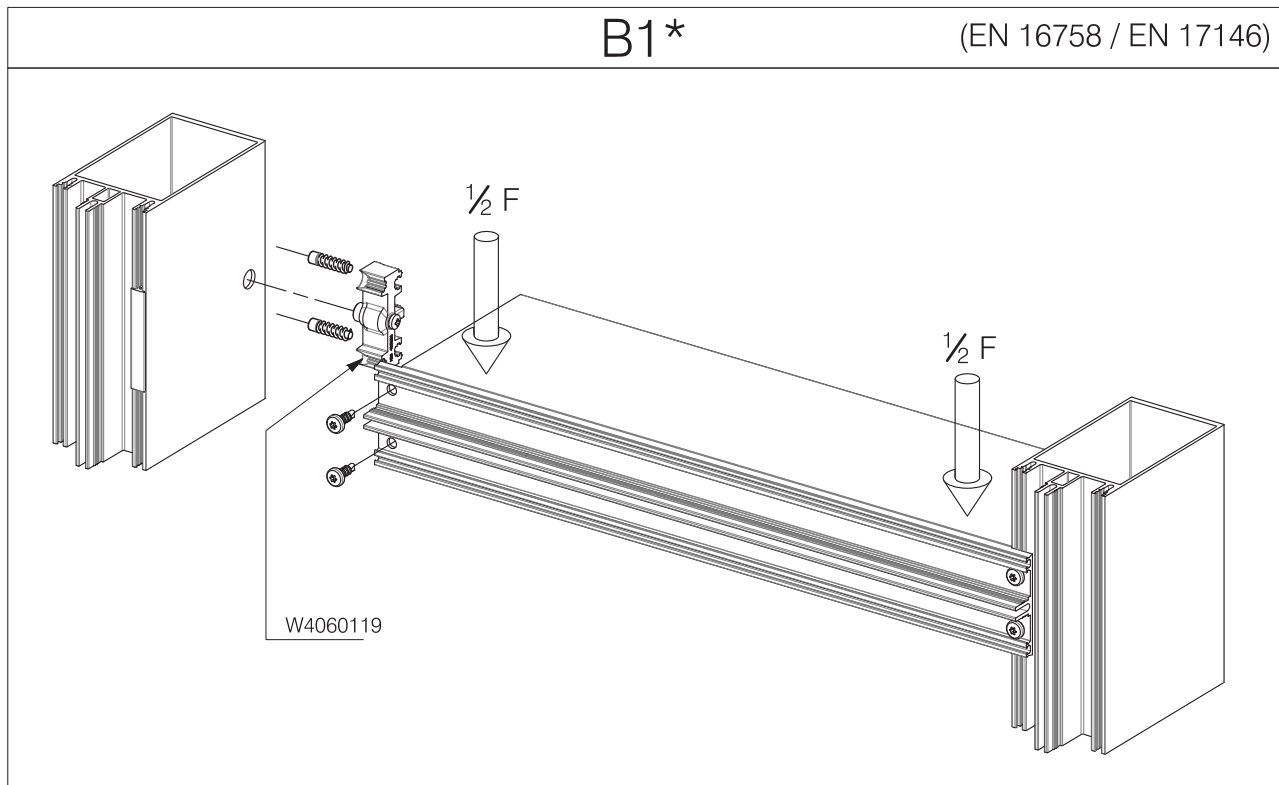
Table reflects the maximum infill load per transom following EN 16758 and EN 17146

		B2		(EN 16758 / EN 17146)			
			 kN	 kN		 kN	 kN
22 - 26	19	W4080519	3.60				
28 - 32	22	W4080520	2.80		W4080530	5.50	
34 - 38	25	W4080521	2.40	3.00	W4080531	5.00	5.00
40 - 44	28	W4080522	2.00	2.40	W4080532	4.50	4.50
46 - 50	31	W4080523	1.60	2.00	W4080533	4.00	4.00

Maximum loads

Connection B1 with anti rotation

Table reflects the maximum infill load per transom following EN 16758 and EN 17146

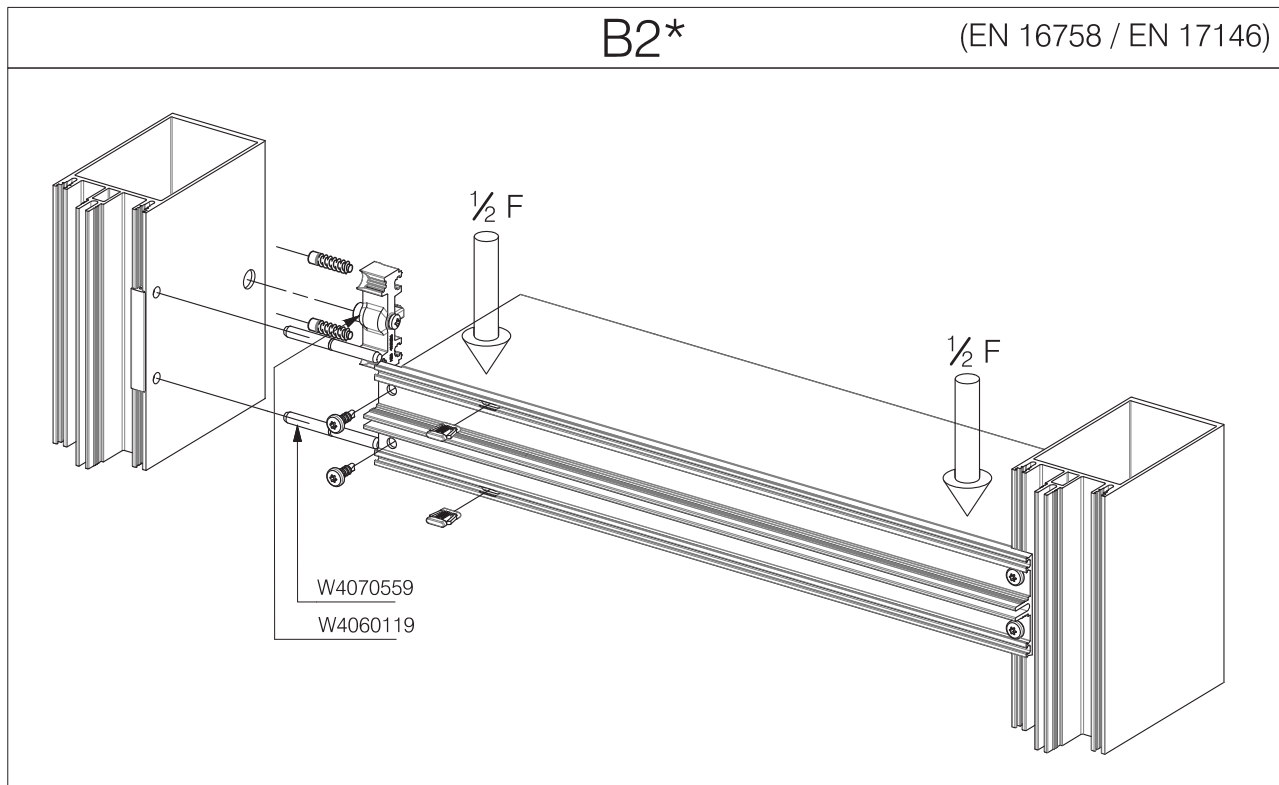


			kN	kN		kN	kN
22 - 26	19	W4080519	3.60				
28 - 32	22	W4080520	2.80		W4080530	3.40	
34 - 38	25	W4080521	2.40	3.00	W4080531	3.40	3.40
40 - 44	28	W4080522	2.00	2.40	W4080532	3.20	3.20
46 - 50	31	W4080523	1.60	2.00	W4080533	3.20	3.20
52 - 56	34				W4080534	3.00	3.00
58 - 62	37				W4080535	3.00	3.00

Maximum loads

Connection B2 with anti rotation

Table reflects the maximum infill load per transom following EN 16758 and EN 17146

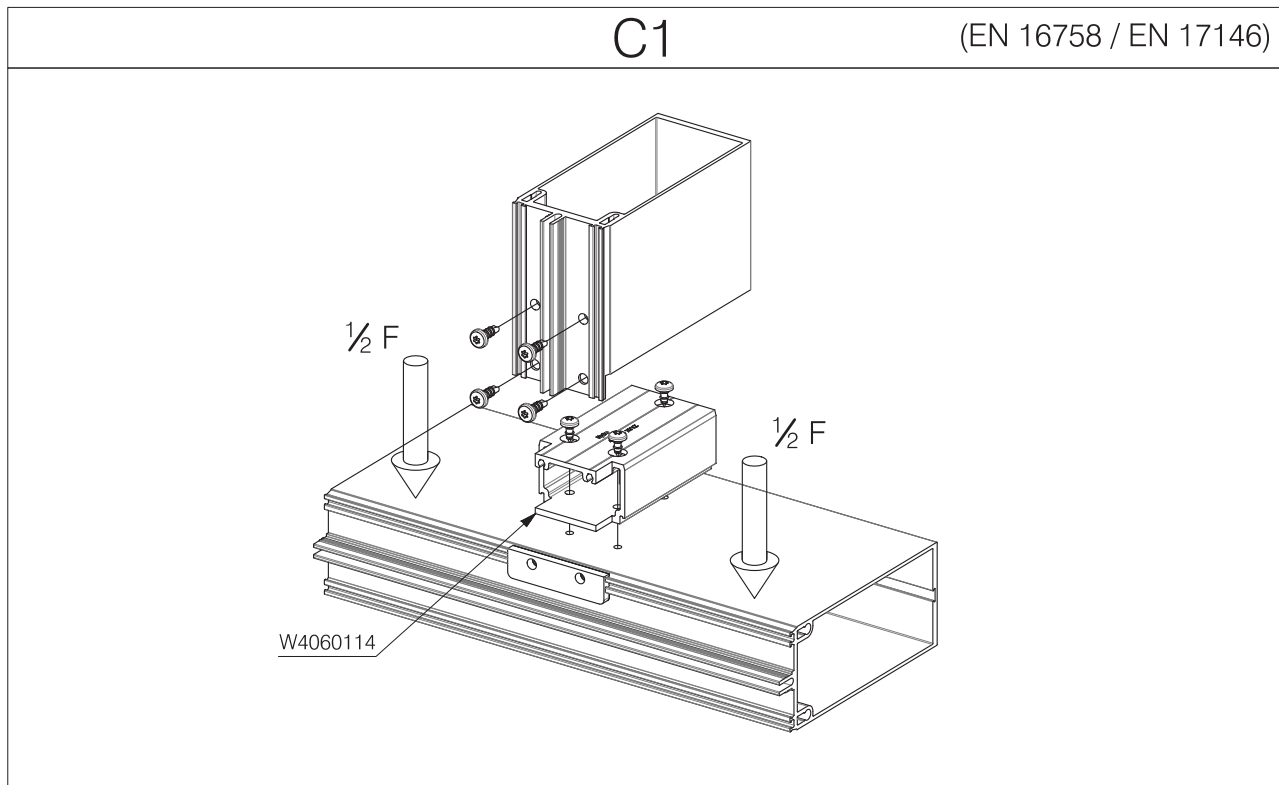


			kN	kN		kN	kN
22 - 26	19	W4080519	3.60				
28 - 32	22	W4080520	2.80		W4080530	8.50	
34 - 38	25	W4080521	2.40	3.00	W4080531	8.20	8.20
40 - 44	28	W4080522	2.00	2.40	W4080532	7.60	7.60
46 - 50	31	W4080523	1.60	2.00	W4080533	7.00	7.60
52 - 56	34				W4080534	6.00	7.30
58 - 62	37				W4080535	5.00	7.00

Maximum loads

Connection type C1

Table reflects the maximum infill load per transom following EN 16758 and EN 17146



			kN	kN		kN	kN
22 - 26	19	W4080519	1.60				
28 - 32	22	W4080520	1.60		W4080530	1.60	
34 - 38	25	W4080521	1.40	1.40	W4080531	1.40	1.40
40 - 44	28	W4080522	1.40	1.40	W4080532	1.40	1.40
46 - 50	31	W4080523	1.40	1.40	W4080533	1.40	1.40
52 - 56	34				W4080534	1.20	1.20
58 - 62	37				W4080535	1.20	1.20

Maximum loads

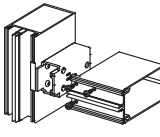
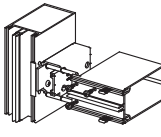
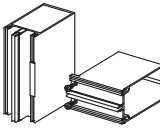
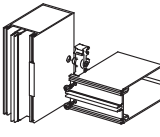
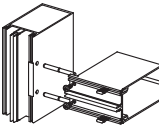
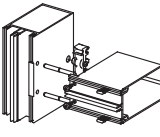
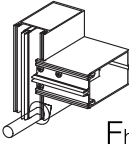
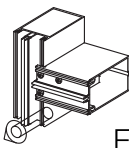
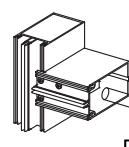
Connection windload and traction

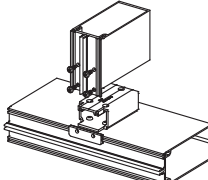
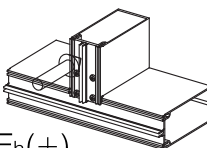
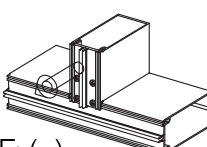
Table reflects the maximum wind load and traction per connection.

F_h(+) - wind pressure

F_h(-) - wind suction

F_t - traction

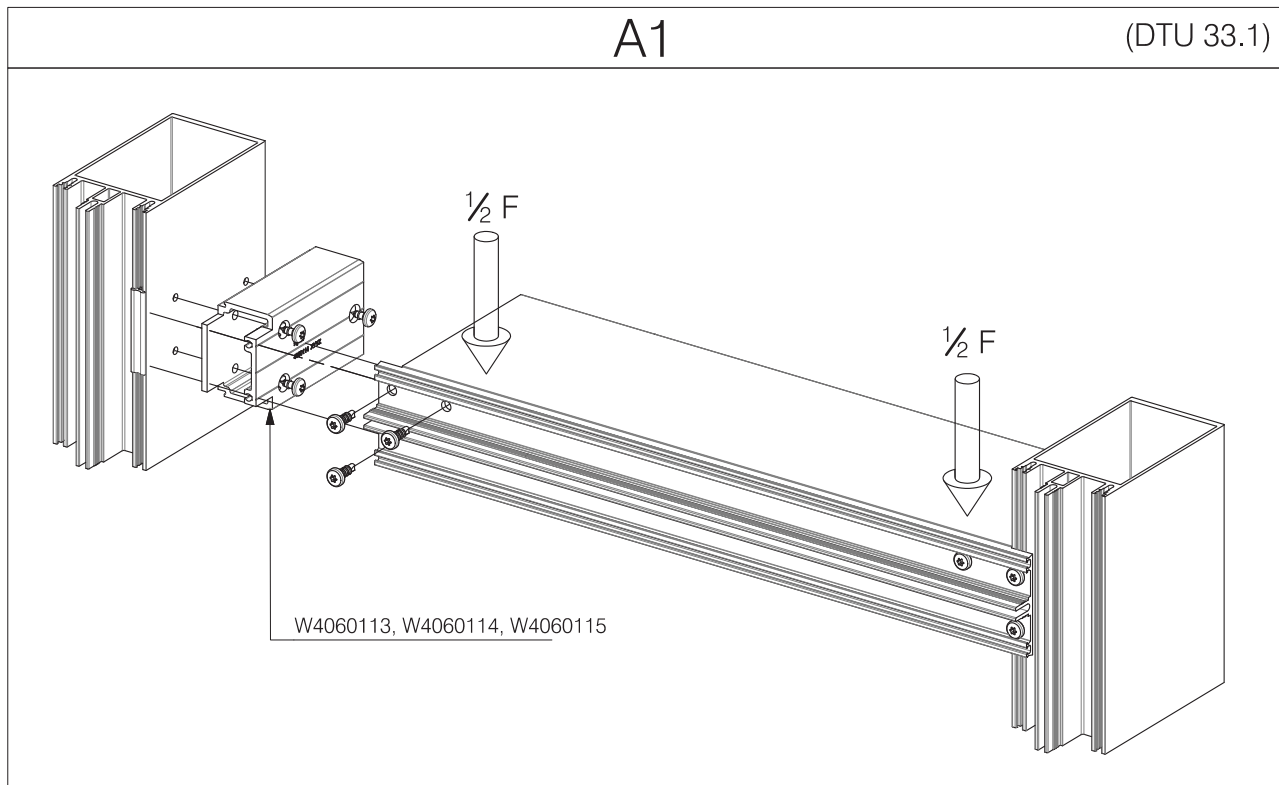
	A1	A2	B1	B1*	B2	B2*
[kN]						
 F _h (+)	3.00	5.00	3.00	5.00	5.00	5.00
 F _h (-)	2.50	4.00	2.00	2.00	4.00	4.00
 F _t	3.00	3.00	2.00	2.00	2.00	2.00

	C1
[kN]	
 F _h (+)	2,00
 F _h (-)	2,00

Maximum loads

Connection type A1

Table reflects the maximum infill load per transom following DTU 33.1

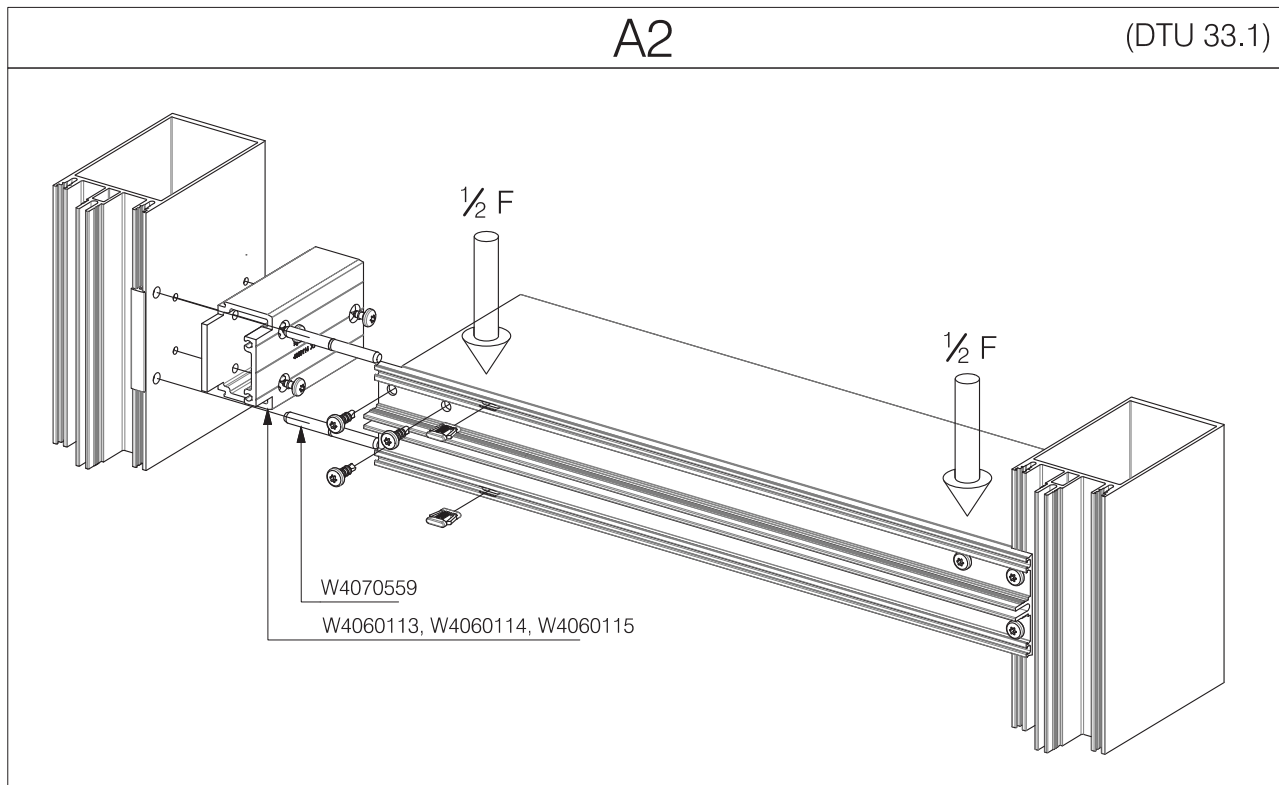


			kN	kN		kN	kN
22 - 26	19	W4080519	3.20				
28 - 32	22	W4080520	2.40		W4080530	4.50	
34 - 38	25	W4080521	2.00	2.40	W4080531	4.20	4.20
40 - 44	28	W4080522	1.60	2.00	W4080532	4.00	4.00
46 - 50	31	W4080523	1.20	1.60	W4080533	3.60	3.60
52 - 56	34				W4080534	3.30	3.30
58 - 62	37				W4080535	3.00	3.00

Maximum loads

Connection type A2

Table reflects the maximum infill load per transom following DTU 33.1



			kN	kN		kN	kN
22 - 26	19	W4080519	3.20				
28 - 32	22	W4080520	2.40		W4080530	7.00	
34 - 38	25	W4080521	2.00	2.40	W4080531	6.60	6.60
40 - 44	28	W4080522	1.60	2.00	W4080532	6.00	6.30
46 - 50	31	W4080523	1.20	1.60	W4080533	5.00	6.00
52 - 56	34				W4080534	4.00	5.50
58 - 62	37				W4080535	3.00	5.00

Maximum loads

Connection type B1

Table reflects the maximum infill load per transom following DTU 33.1

B1			(DTU 33.1)				
			 kN	 kN		 kN	 kN
22 - 26	19	W4080519	3.00				
28 - 32	22	W4080520	2.40		W4080530	2.80	
34 - 38	25	W4080521	2.00	2.40	W4080531	2.40	2.40

Maximum loads

Connection type B2

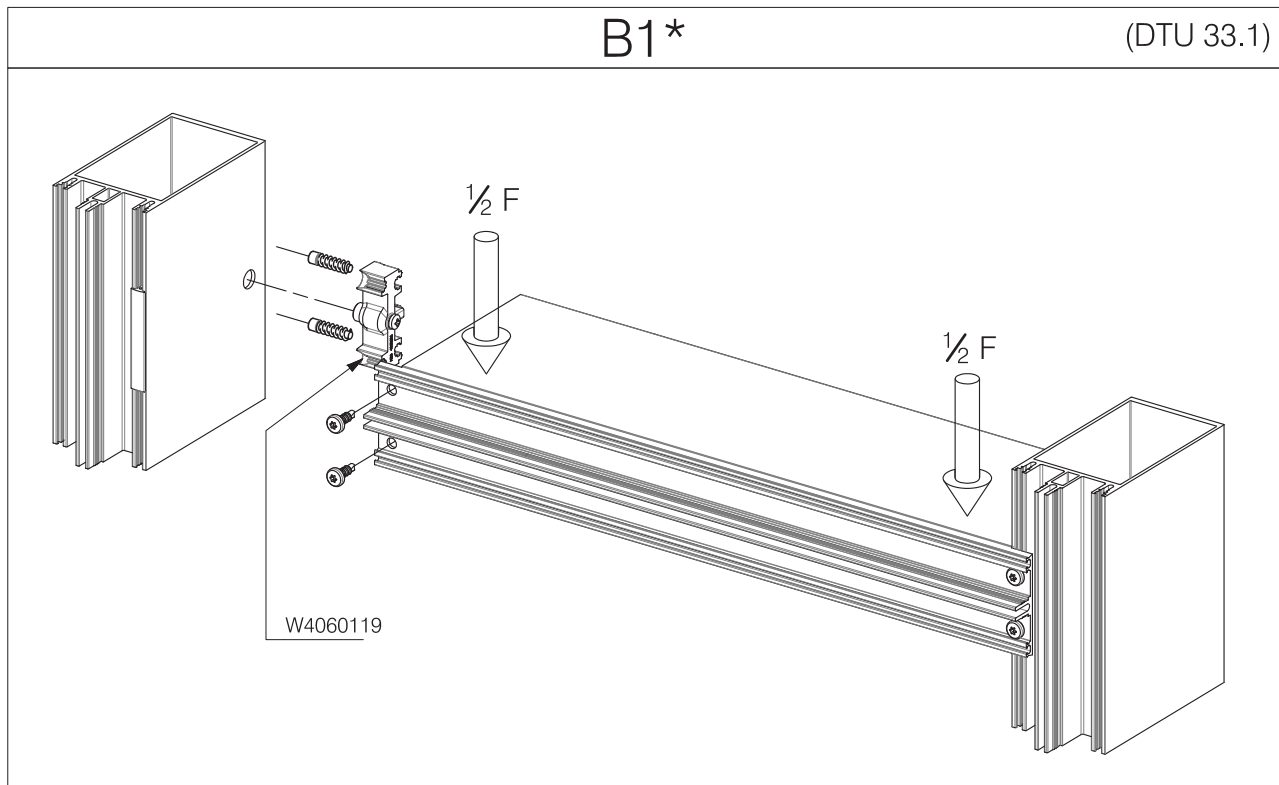
Table reflects the maximum infill load per transom following DTU 33.1

		B2		(DTU 33.1)			
			 kN	 kN		 kN	 kN
22 - 26	19	W4080519	3.20				
28 - 32	22	W4080520	2.40		W4080530	5.50	
34 - 38	25	W4080521	2.00	2.40	W4080531	5.00	5.00
40 - 44	28	W4080522	1.60	2.00	W4080532	4.50	4.50
46 - 50	31	W4080523	1.20	1.60	W4080533	4.00	4.00

Maximum loads

Connection B1 with anti rotation

Table reflects the maximum infill load per transom following DTU 33.1

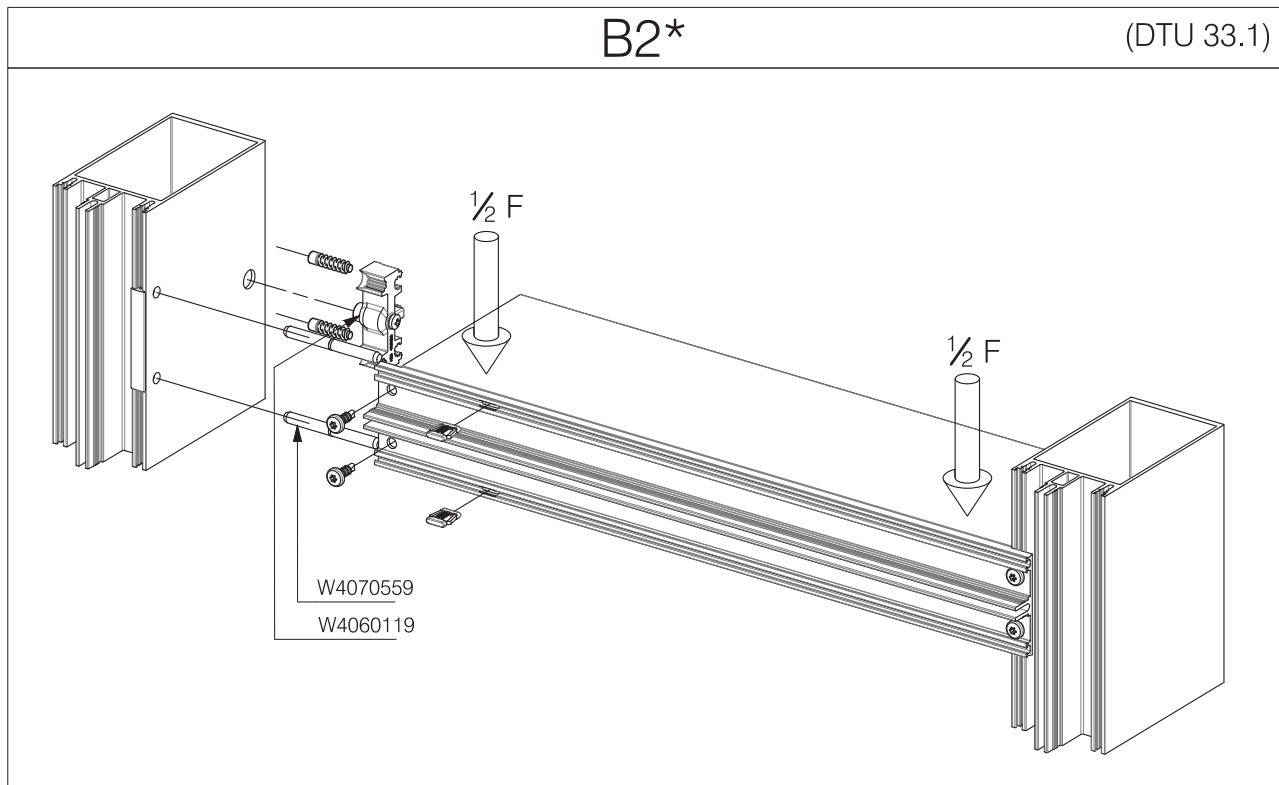


			kN	kN		kN	kN
22 - 26	19	W4080519	3.20				
28 - 32	22	W4080520	2.40		W4080530	3.40	
34 - 38	25	W4080521	2.00	2.40	W4080531	3.40	3.40
40 - 44	28	W4080522	1.60	2.00	W4080532	3.20	3.20
46 - 50	31	W4080523	1.20	1.60	W4080533	3.20	3.20
52 - 56	34				W4080534	3.00	3.00
58 - 62	37				W4080535	3.00	3.00

Maximum loads

Connection B2 with anti rotation

Table reflects the maximum infill load per transom following DTU 33.1



			kN	kN		kN	kN
22 - 26	19	W4080519	3.20				
28 - 32	22	W4080520	2.40		W4080530	8.00	
34 - 38	25	W4080521	2.00	2.40	W4080531	7.00	8.20
40 - 44	28	W4080522	1.60	2.00	W4080532	6.00	7.60
46 - 50	31	W4080523	1.20	1.60	W4080533	5.00	7.00
52 - 56	34				W4080534	4.00	6.00
58 - 62	37				W4080535	3.00	5.00

Maximum loads

Connection type C1

Table reflects the maximum infill load per transom following DTU 33.1

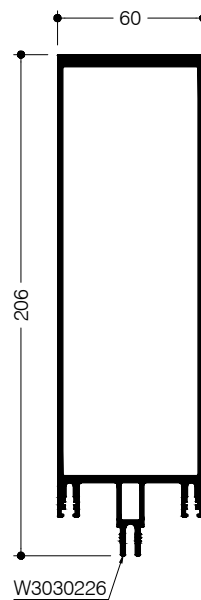
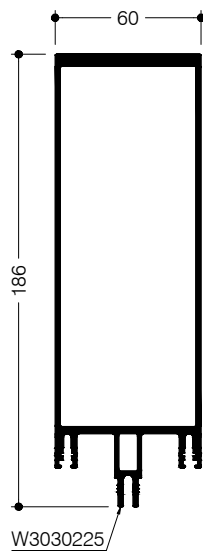
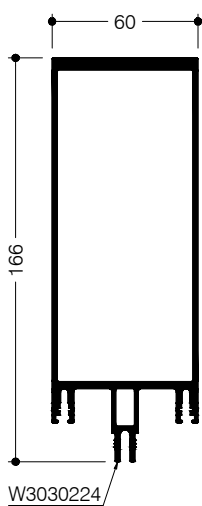
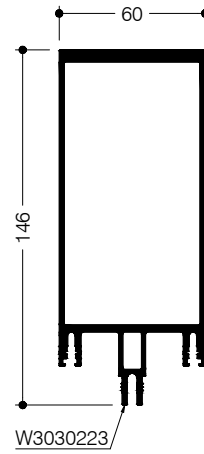
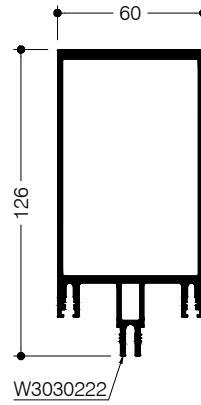
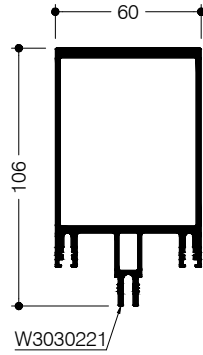
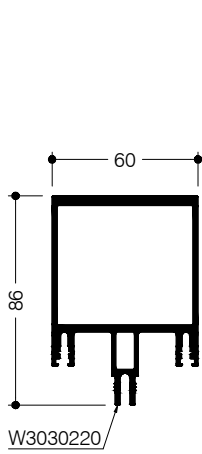
		C1		(DTU 33.1)			
			kN	kN		kN	kN
22 - 26	19	W4080519	1.60				
28 - 32	22	W4080520	1.60		W4080530	1.60	
34 - 38	25	W4080521	1.40	1.40	W4080531	1.40	1.40
40 - 44	28	W4080522	1.40	1.40	W4080532	1.40	1.40
46 - 50	31	W4080523	1.20	1.40	W4080533	1.40	1.40
52 - 56	34				W4080534	1.20	1.20
58 - 62	37				W4080535	1.20	1.20

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	Page
Mullion profiles	4.2
<i>Drainage level 1</i>	4.2
Transom profiles	4.3
<i>Drainage level 2</i>	4.3
<i>Drainage level 3S</i>	4.4
Various profiles	4.5
<i>Reinforcement profiles</i>	4.5
<i>Pressure plates</i>	4.6
<i>Cover caps</i>	4.7
<i>Additional profiles</i>	4.8

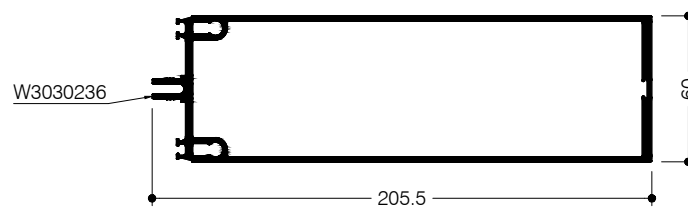
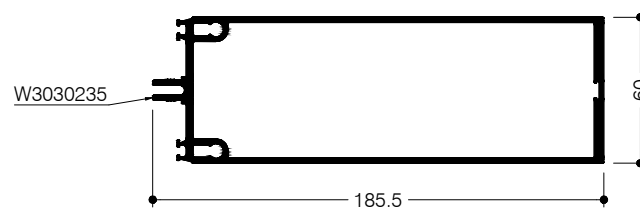
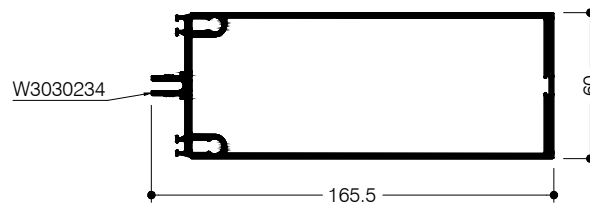
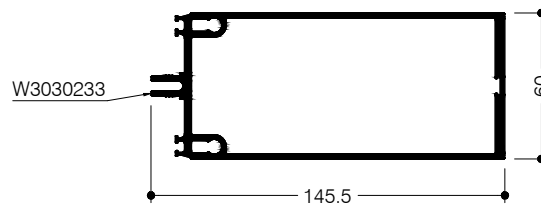
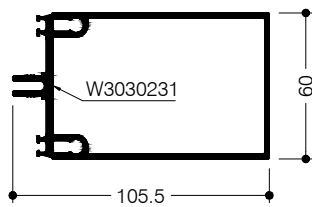
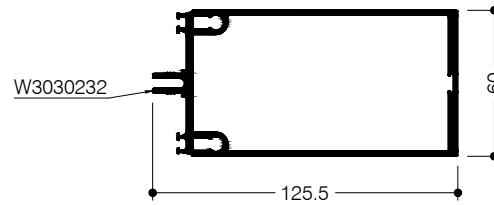
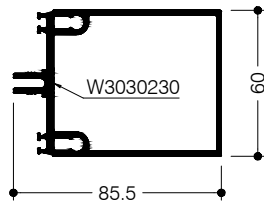
Mullion profiles

Drainage level 1



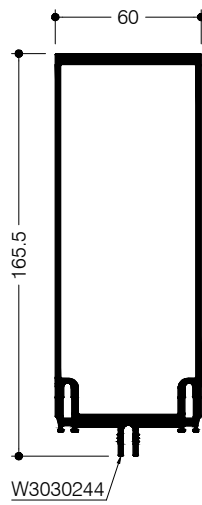
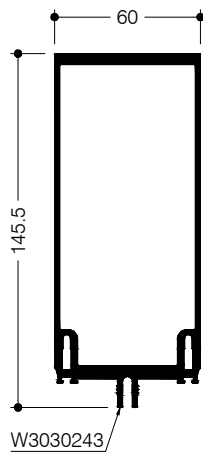
Transom profiles

Drainage level 2



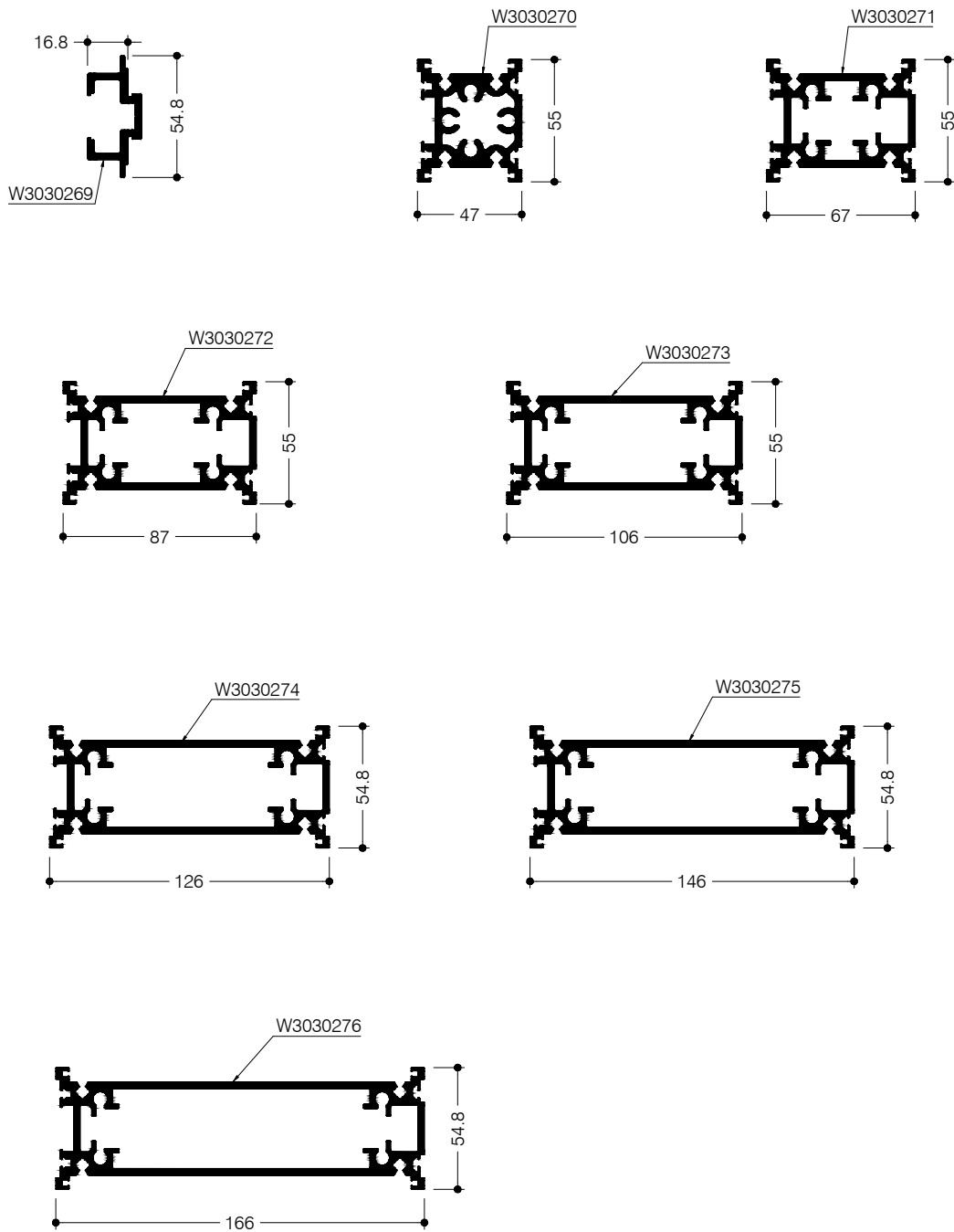
Transom profiles

Drainage level 3S

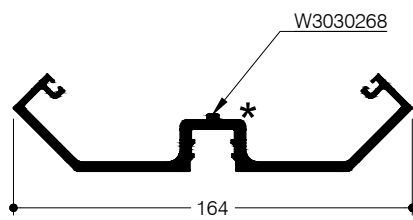
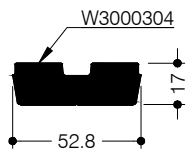
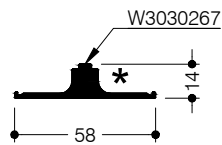
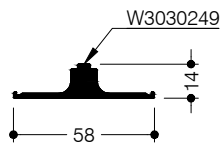
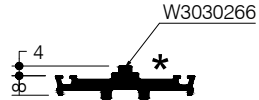
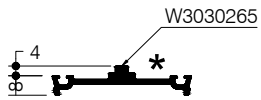


Various profiles

Reinforcement profiles

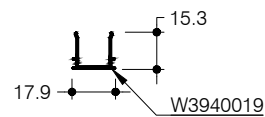
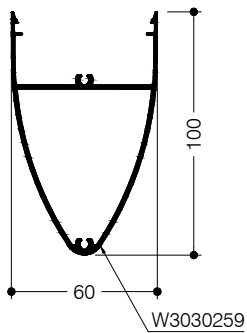
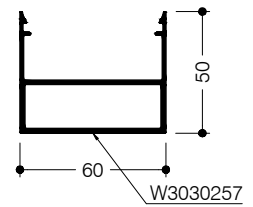
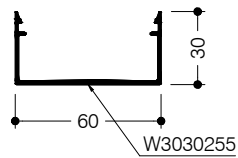
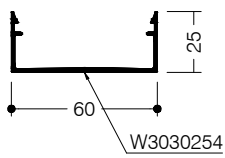
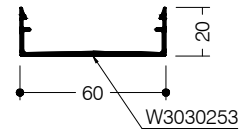
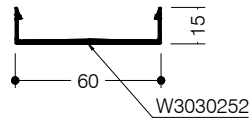
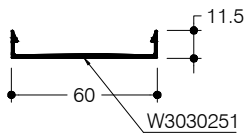


Various profiles Pressure plates

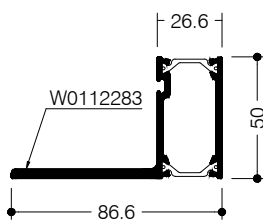
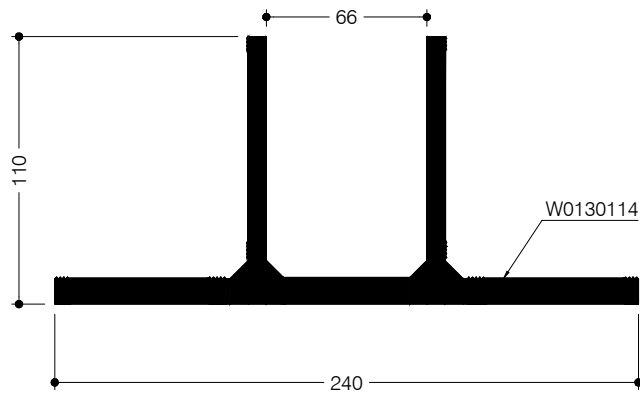
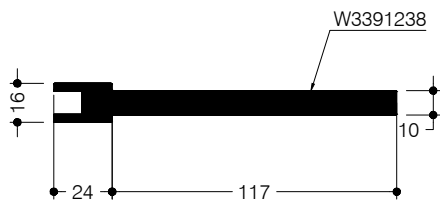
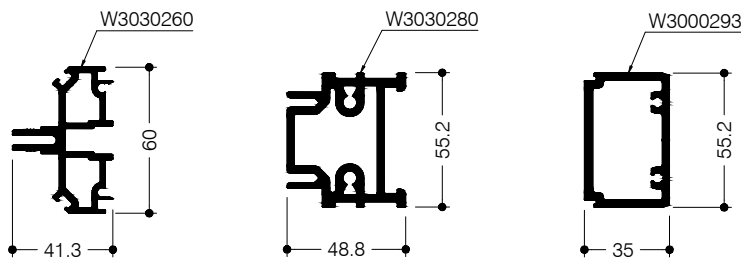
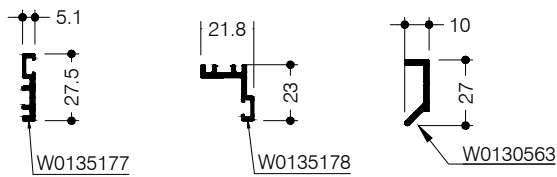
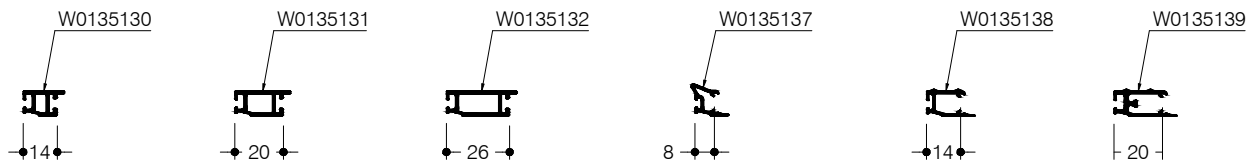


Various profiles

Cover caps



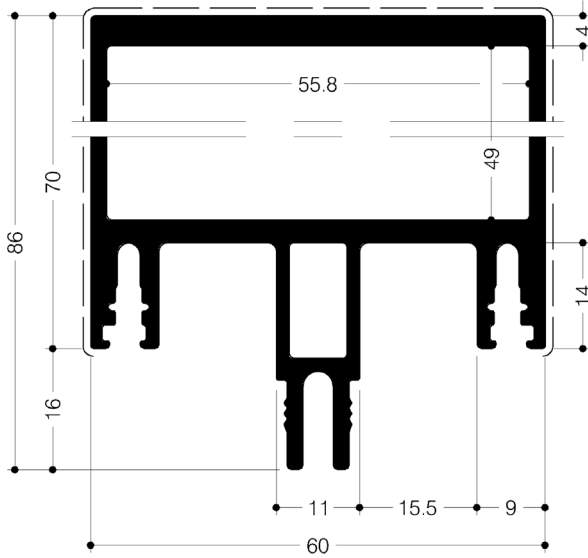
Various profiles
Additional profiles



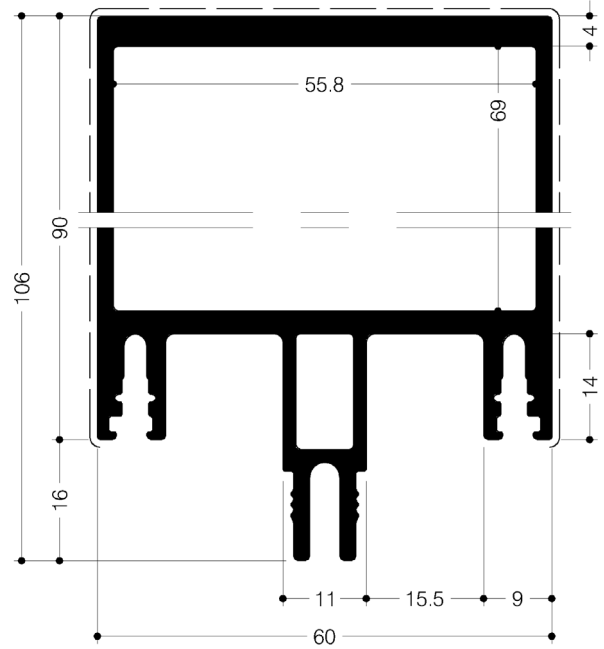
	Page
Mullion profiles	5.2
Transom profiles	5.4
Reinforcement profiles	5.8
Pressure plate profiles	5.12
Cover caps	5.14
Additional profiles	5.16

Mullion profiles

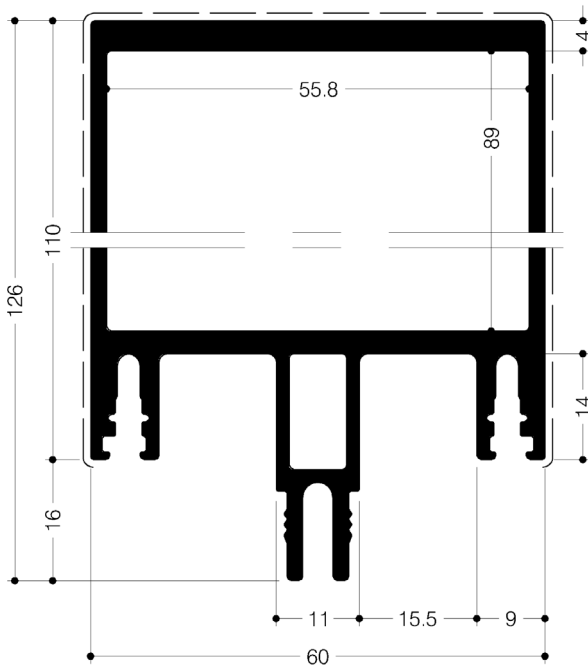
W3030220		433	mm		199	mm	W3030222		513	mm		279	mm
W3030221		473	mm		239	mm	W3030223		553	mm		319	mm



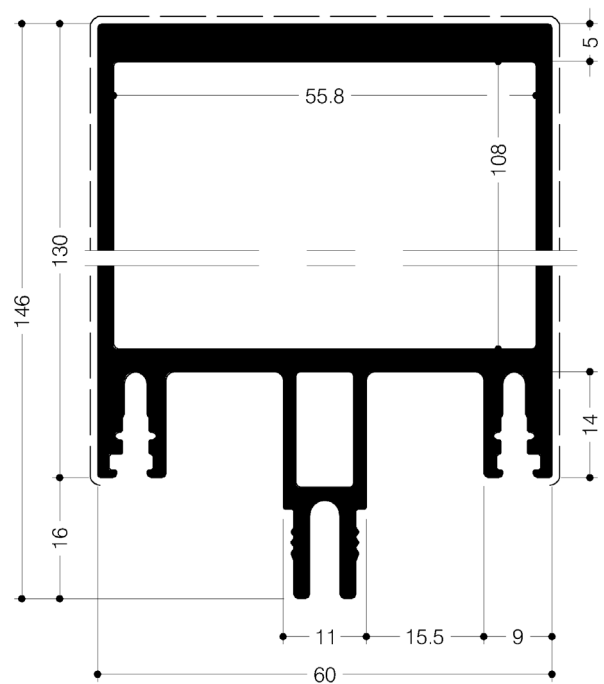
W3030220



W3030221









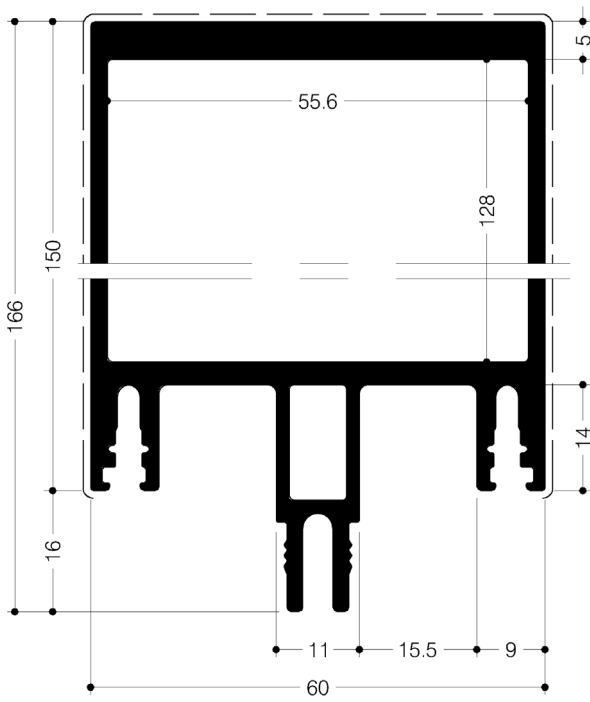
W3030222



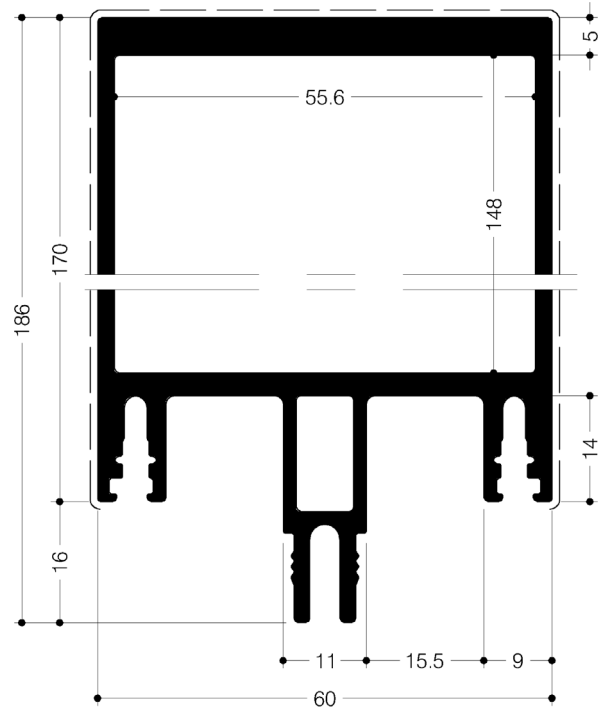
W3030223

Mullion profiles

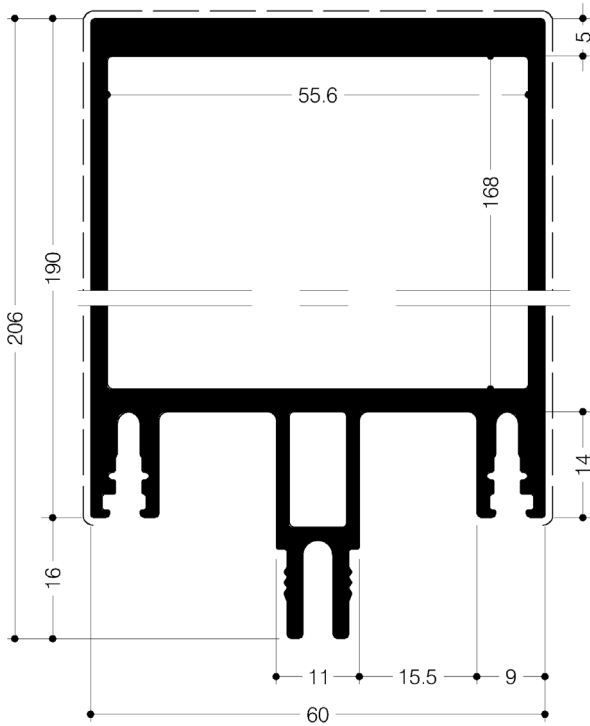
W3030224		593	mm		359	mm	W3030226		673	mm		439	mm
W3030225		633	mm		399	mm							



W3030224




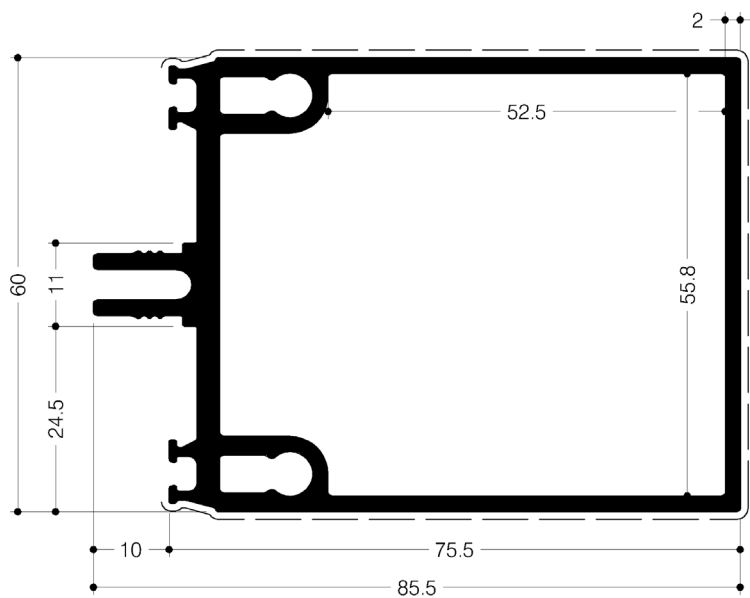
W3030225



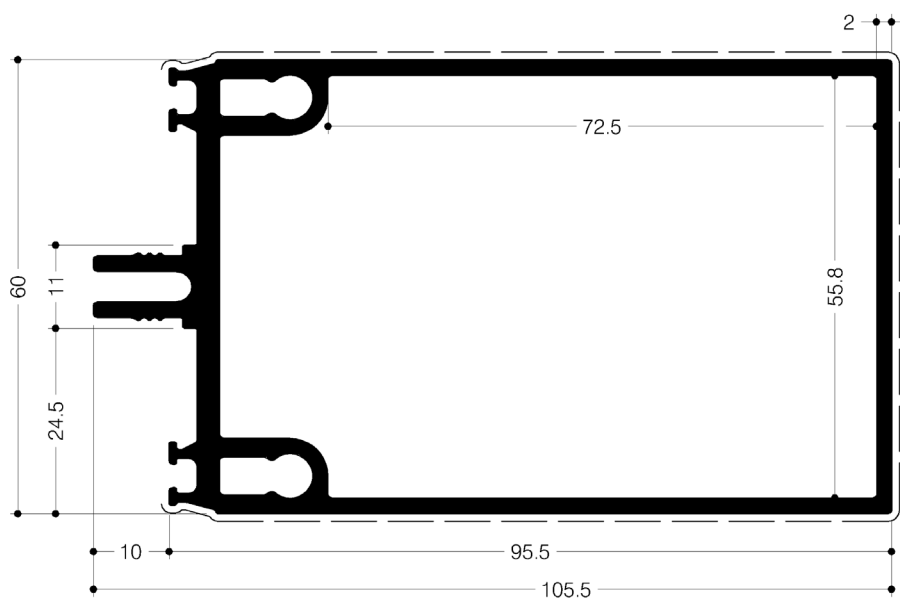
W3030226

Transom profiles

W3030230		349	mm		198	mm	W3030231		389	mm		238	mm
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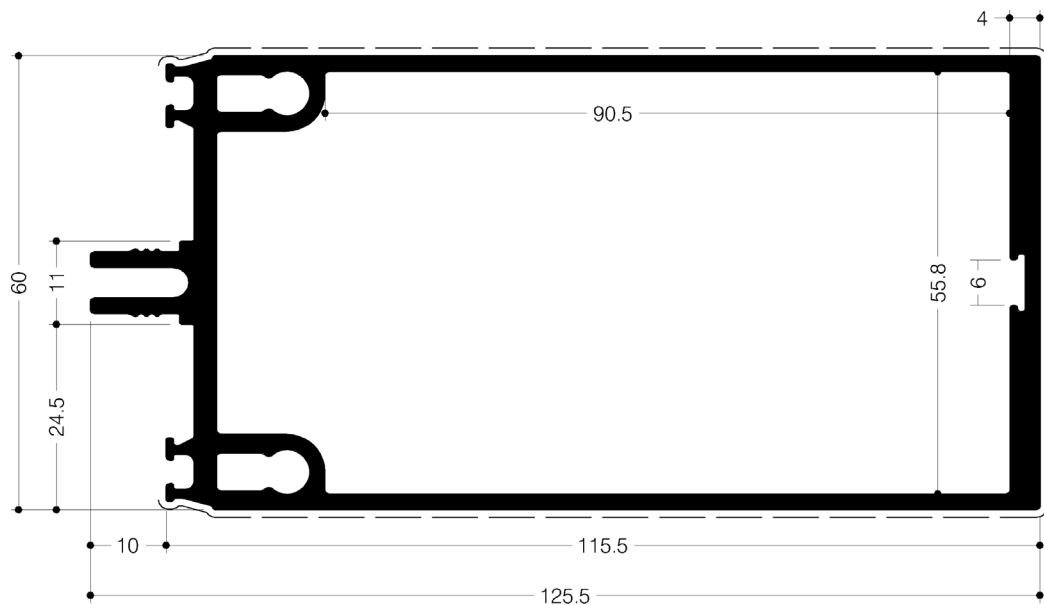
W3030230



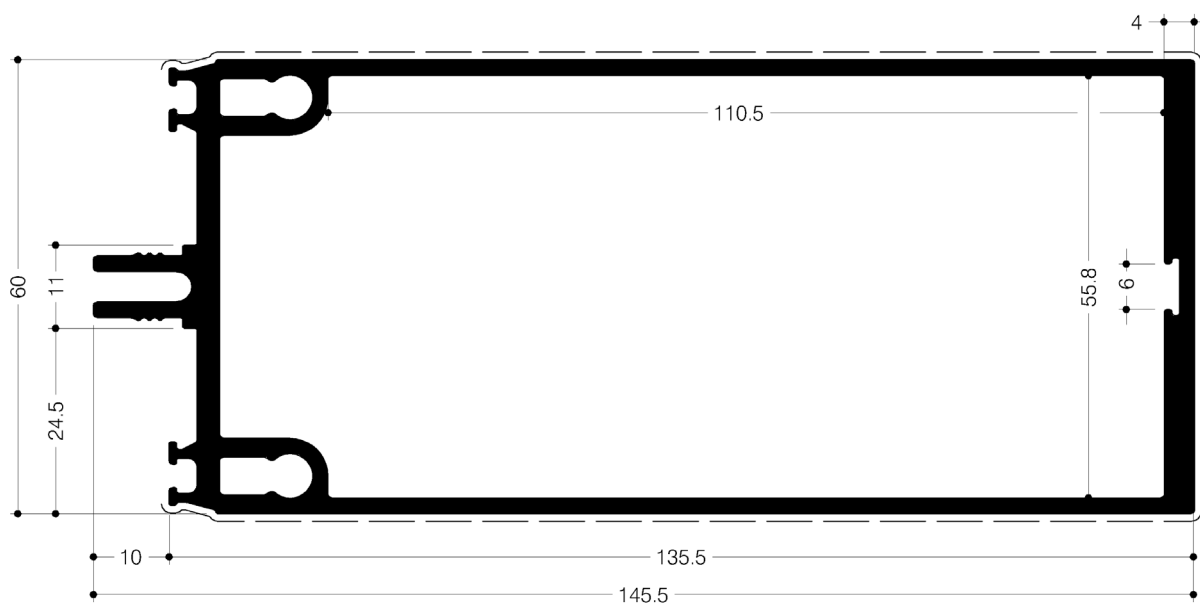
W3030231

Transom profiles

W3030232		429	mm		278	mm	W3030233		469	mm		318	mm
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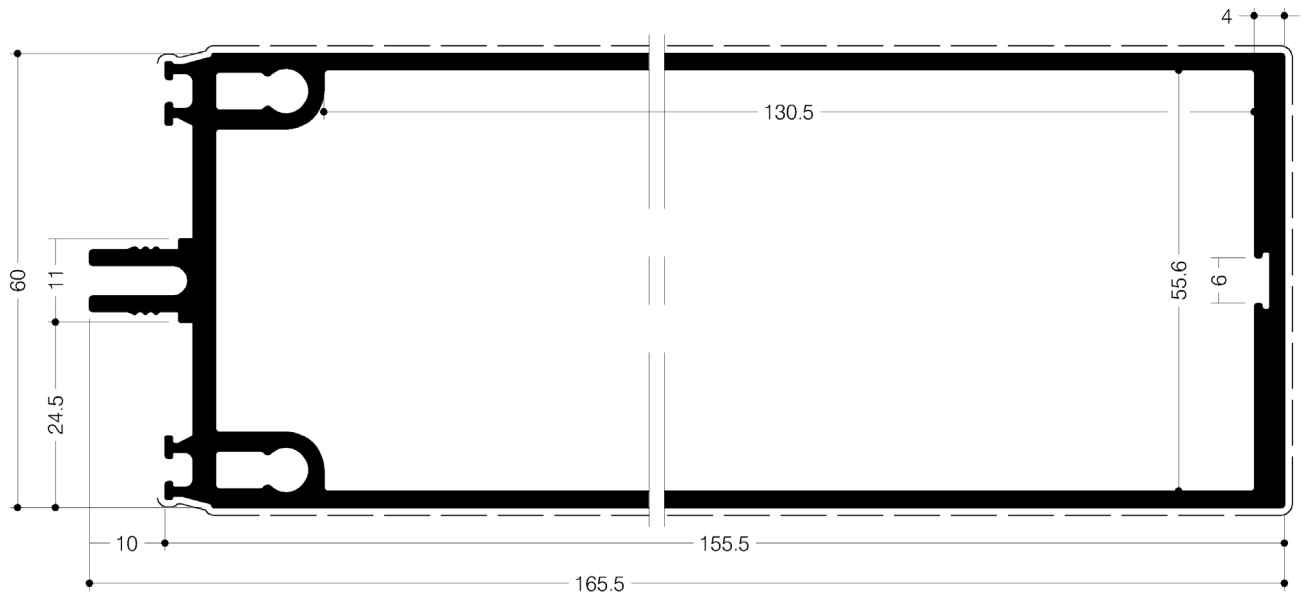
W3030232



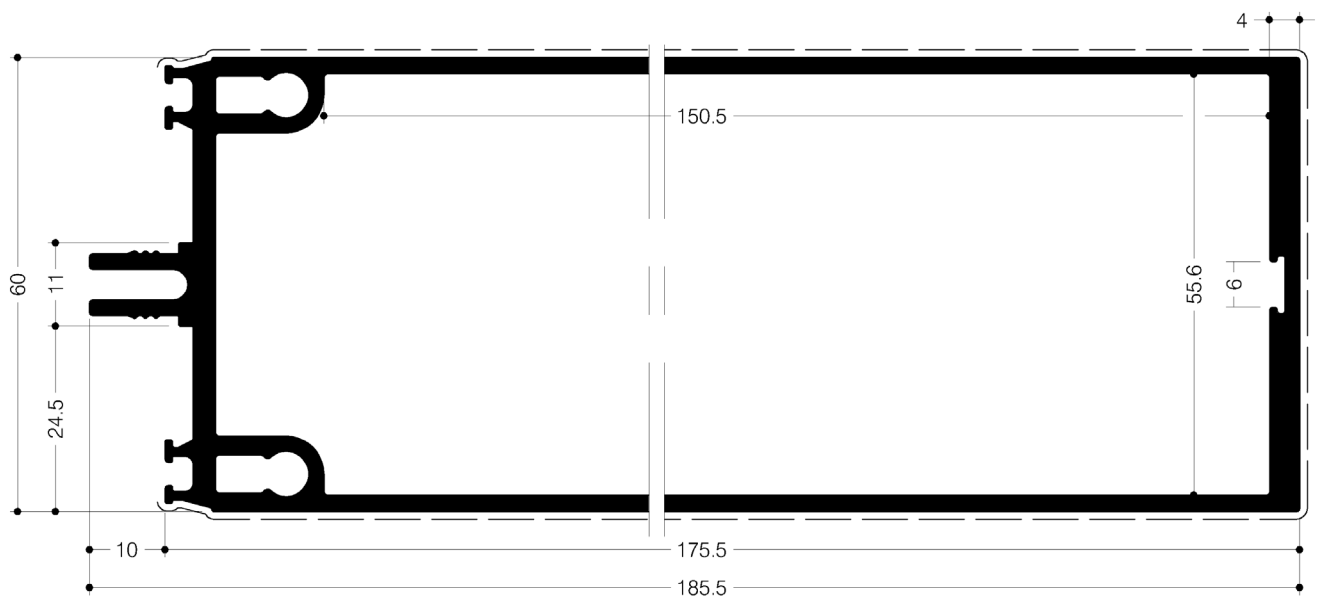
W3030233

Transom profiles

W3030234		509	mm		358	mm	W3030235		549	mm		398	mm
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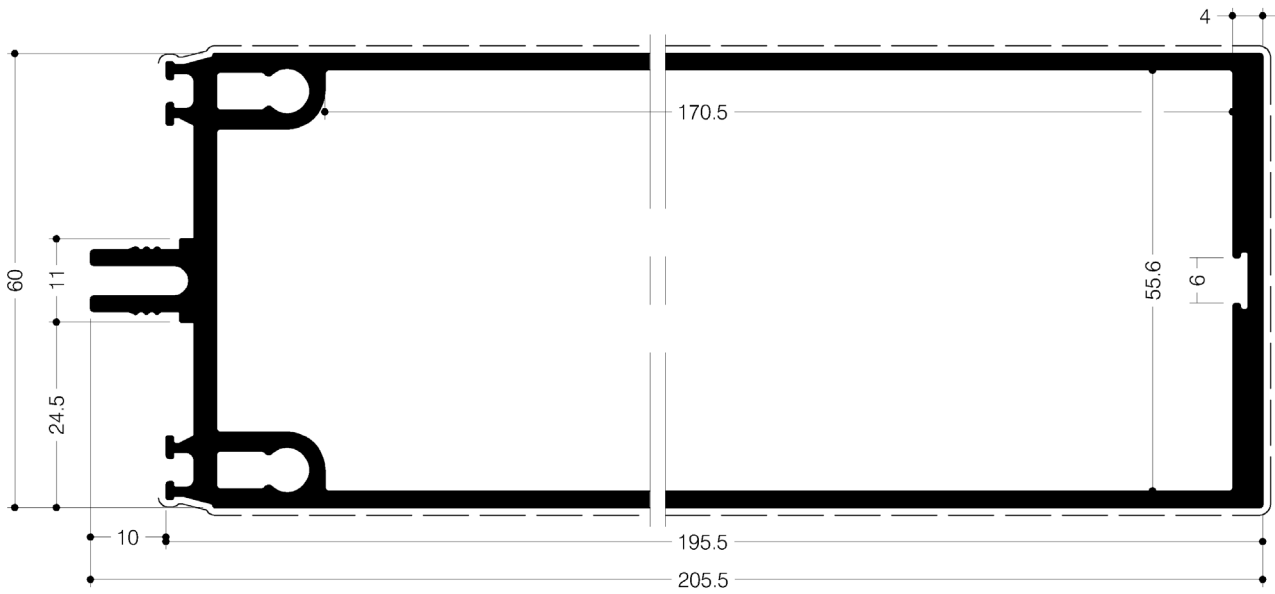
W3030234



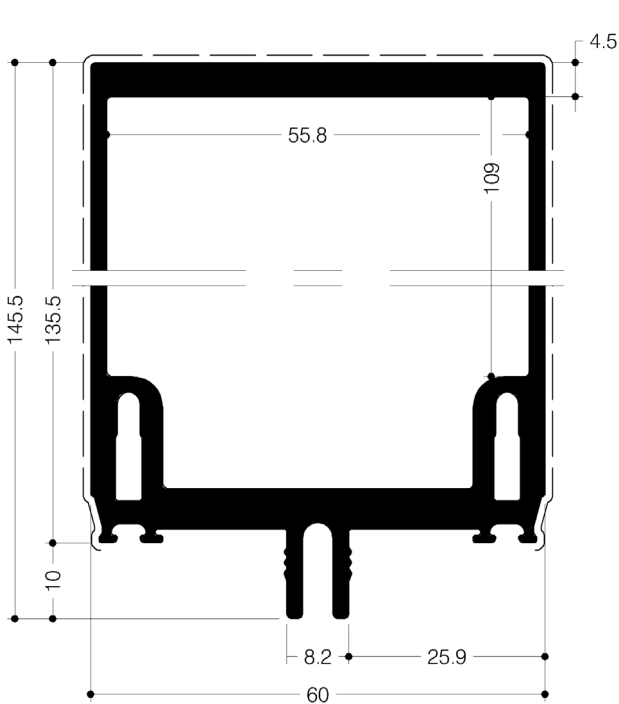
W3030235

Transom profiles

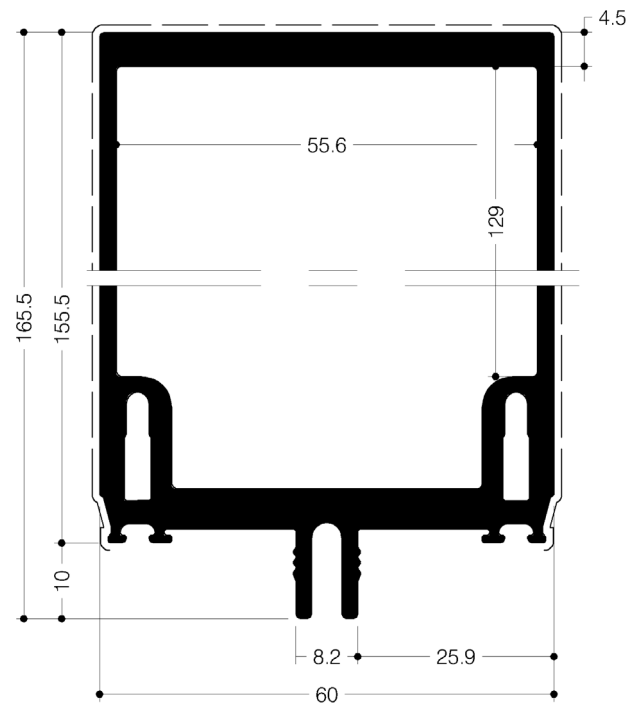
W3030236		589	mm		438	mm	W3030244		498	mm		358	mm
W3030243		458	mm		318	mm							



W3030236







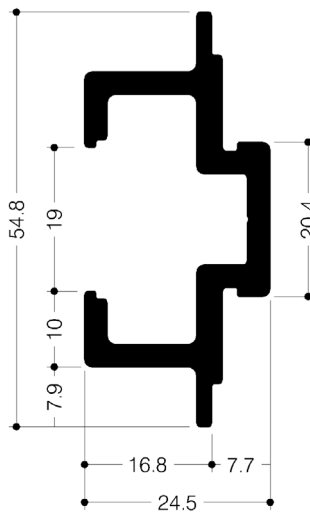
W3030243
L3S



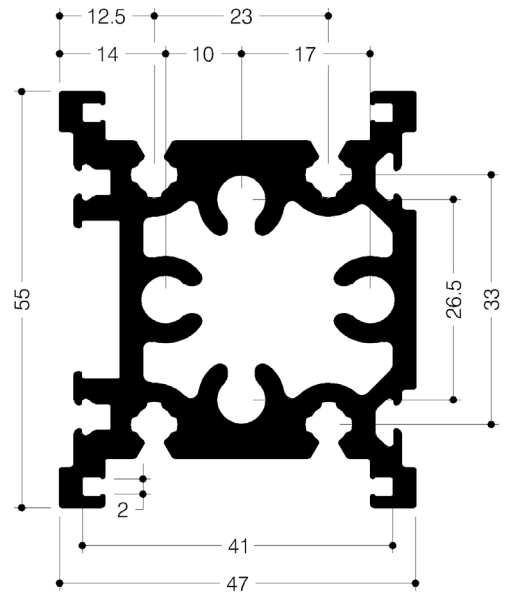
W3030244
L3S

Reinforcement profiles

W3030269		226	mm		0	mm	W3030270		389	mm		0	mm
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




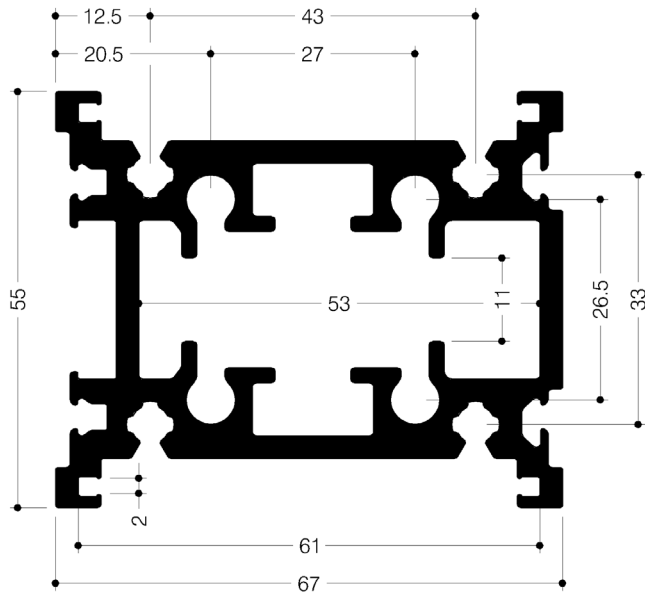
W3030269



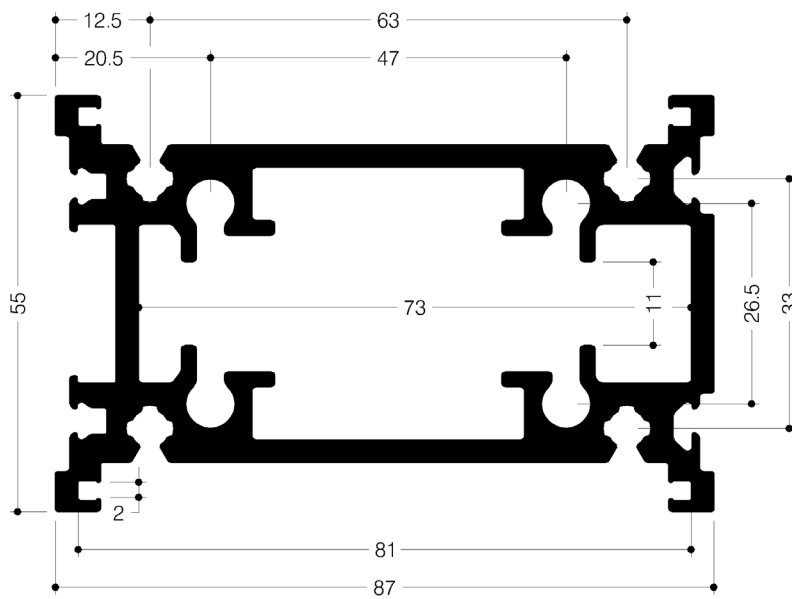
W3030270

Reinforcement profiles

W3030271		429	mm		0	mm	W3030272		469	mm		0	mm
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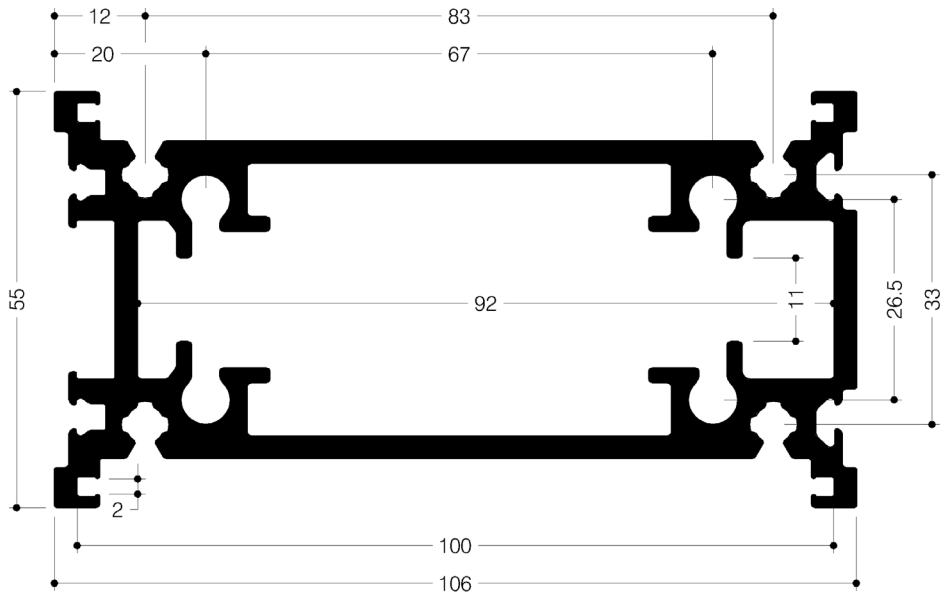
W3030271



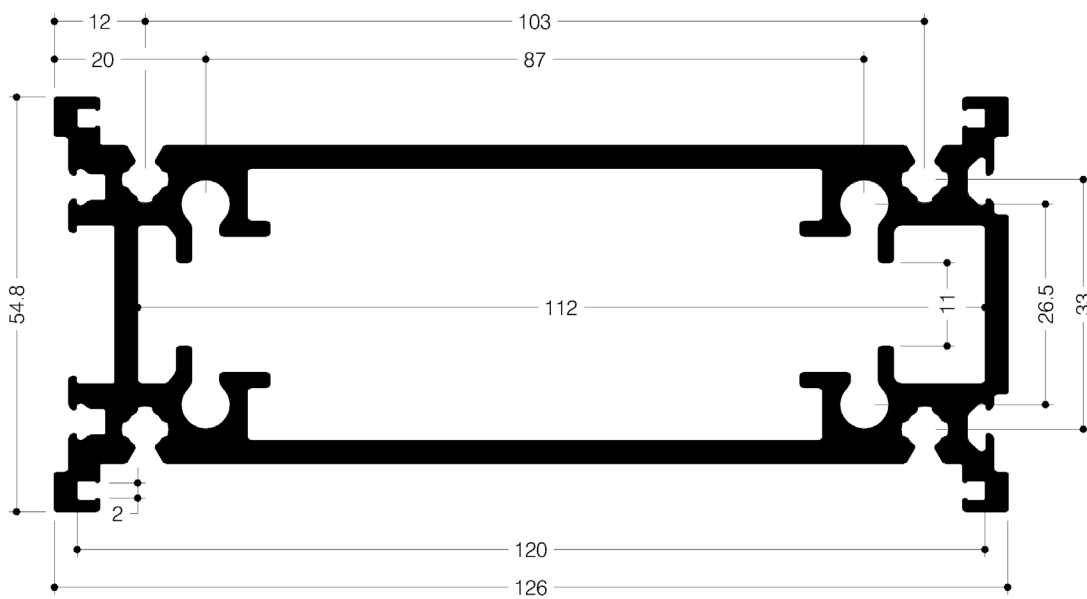
W3030272

Reinforcement profiles

W3030273		507	mm		0	mm	W3030274		546	mm		0	mm
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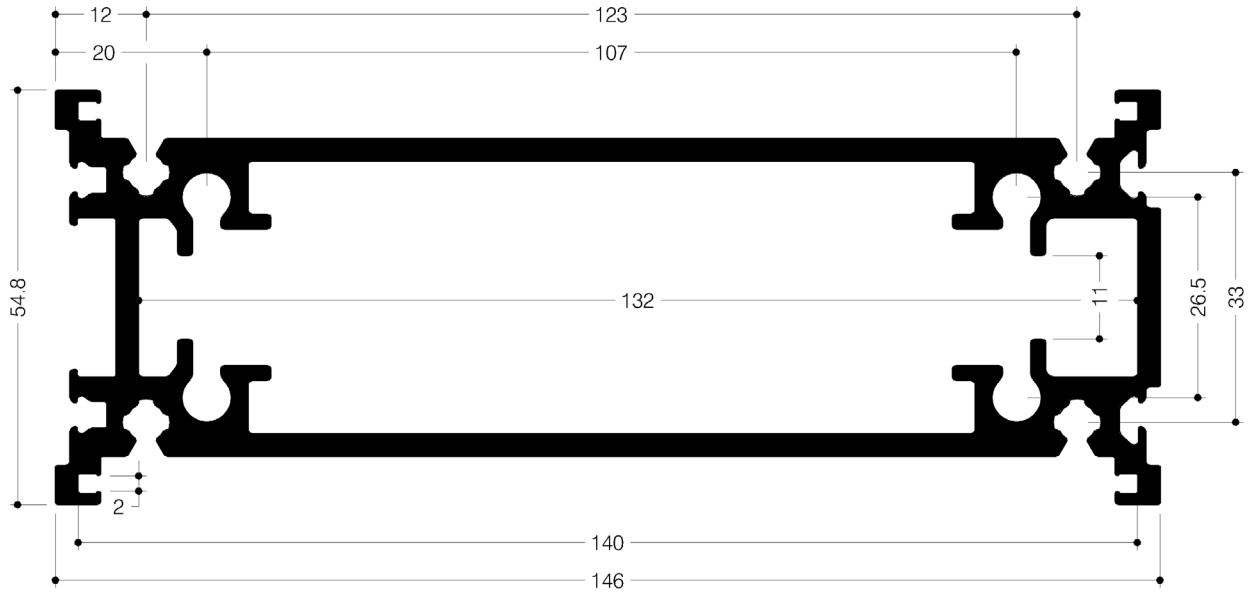
W3030273



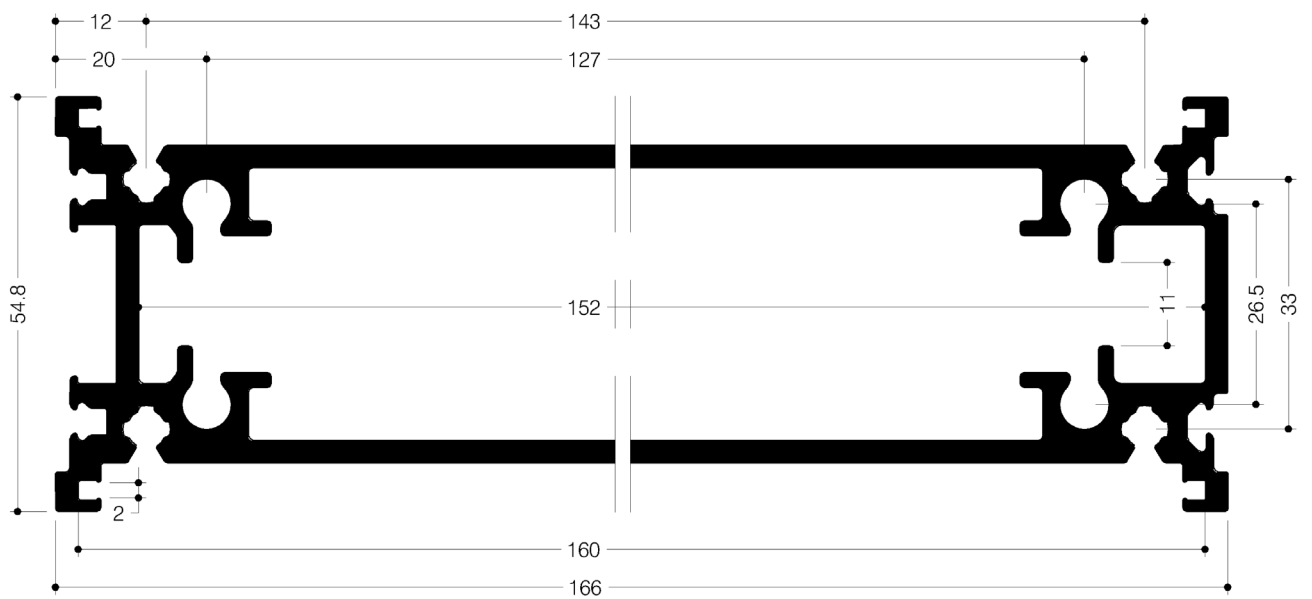
W3030274

Reinforcement profiles

W3030275		586	mm		0	mm	W3030276		626	mm		0	mm
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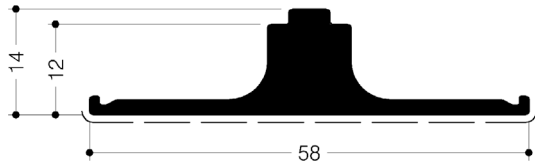
W3030275



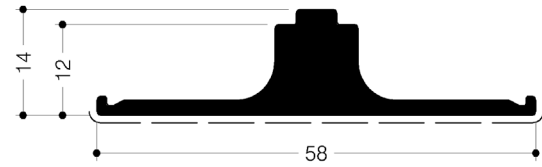
W3030276

Pressure plate profiles

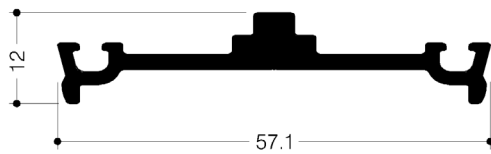
W3030267		141	mm		0	mm	W3030265		164	mm		0	mm
W3030249		141	mm		62	mm	W3030266		174	mm		0	mm



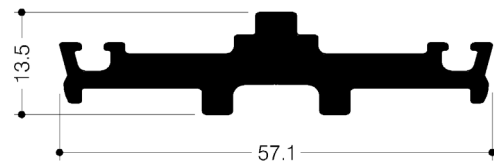
W3030267
with fixing holes every 300 mm



W3030249





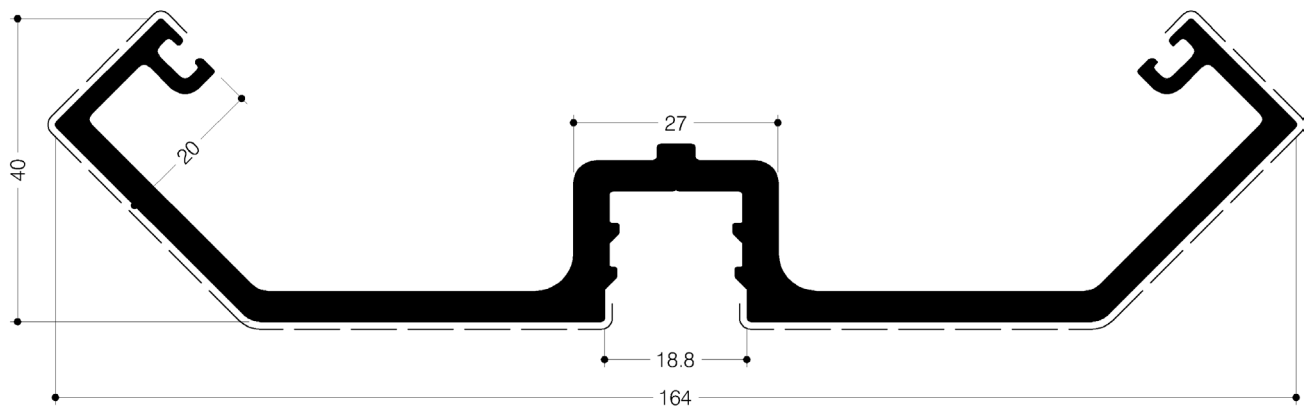
W3030265
with fixing holes every 300 mm



W3030266
with fixing holes every 300 mm

Pressure plate profiles

W3030268  557 mm  205 mm W3000304  142 mm  0 mm













W3030268

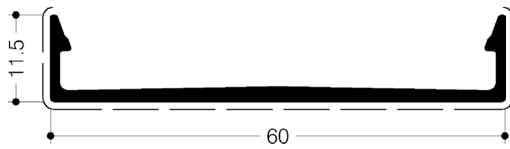
with fixing holes every 300 mm



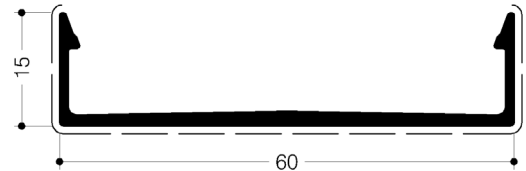
W3000304

Cover caps

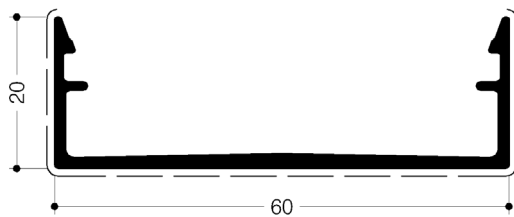
W3030251		164	mm		82	mm	W3030254		228	mm		109	mm
W3030252		178	mm		89	mm	W3030255		248	mm		119	mm
W3030253		208	mm		99	mm							



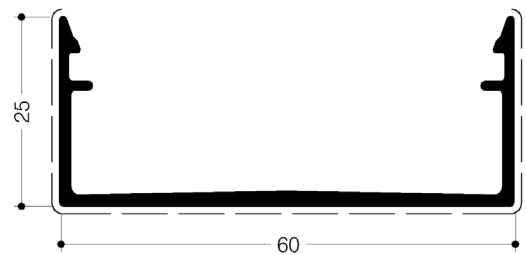
W3030251



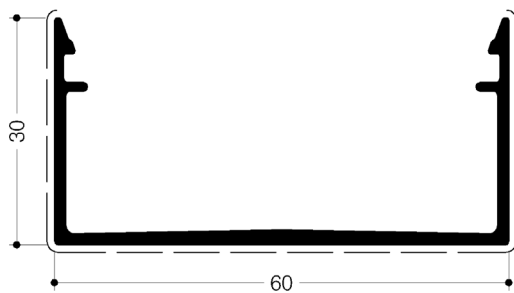
W3030252



W3030253



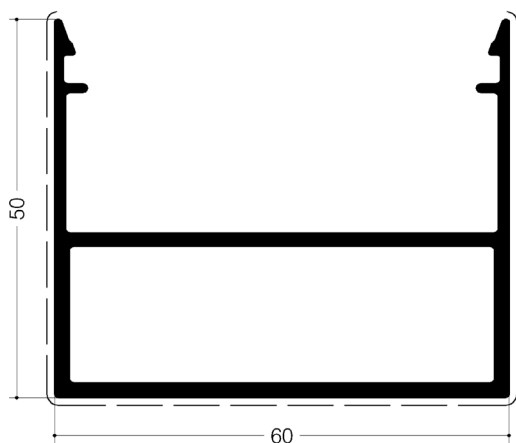
W3030254



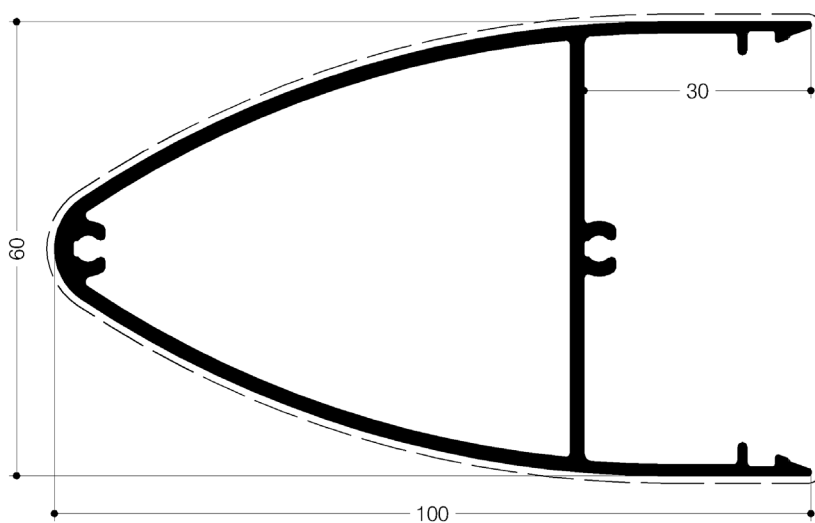
W3030255

Cover caps

W3030257		288	mm		159	mm	W3030259		364	mm		217	mm
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






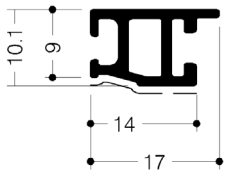
W3030257



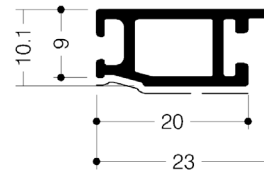
W3030259

Additional profiles

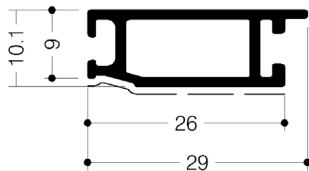
W0135130		78	mm		8	mm	W0135137		84	mm		7	mm
W0135131		90	mm		14	mm	W0135138		101	mm		13	mm
W0135132		102	mm		20	mm	W0135139		132	mm		19	mm



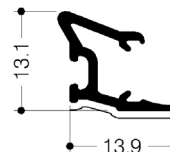
W0135130
Sealing sleeve W0192296



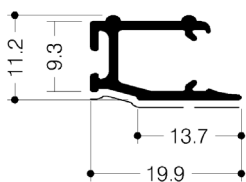
W0135131
Sealing sleeve W0192297



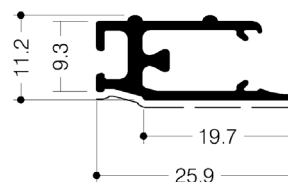
W0135132
Sealing sleeve W0192298



W0135137
Sealing sleeve W0192299









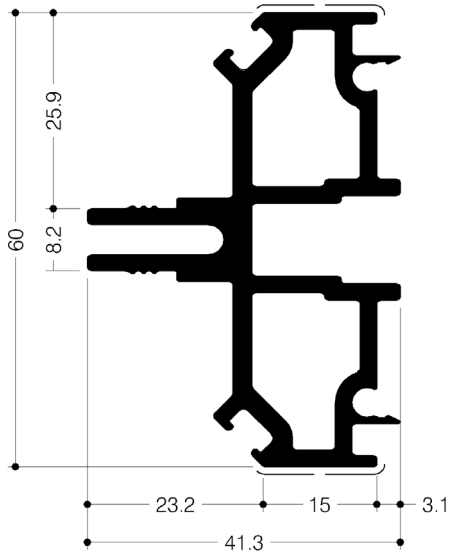
W0135138
Sealing sleeve W0192300



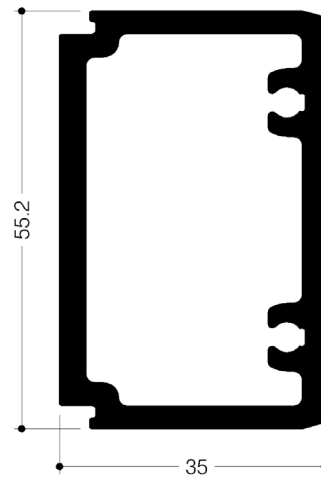
W0135139
Sealing sleeve W0192301

Additional profiles

W3030260		328	mm		29	mm	W3030280		287	mm		0	mm
W3000293		181	mm		0	mm							

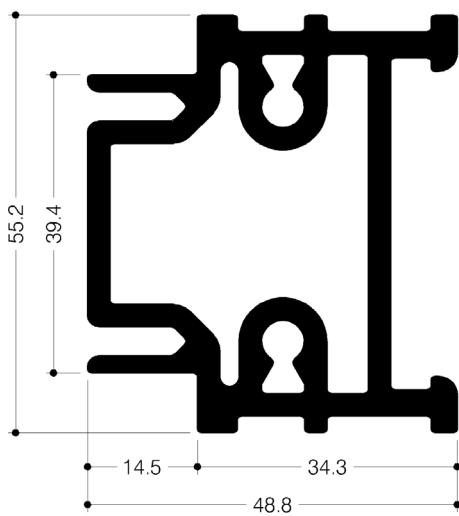


W3030260



W3000293


Pre-material for self-cut

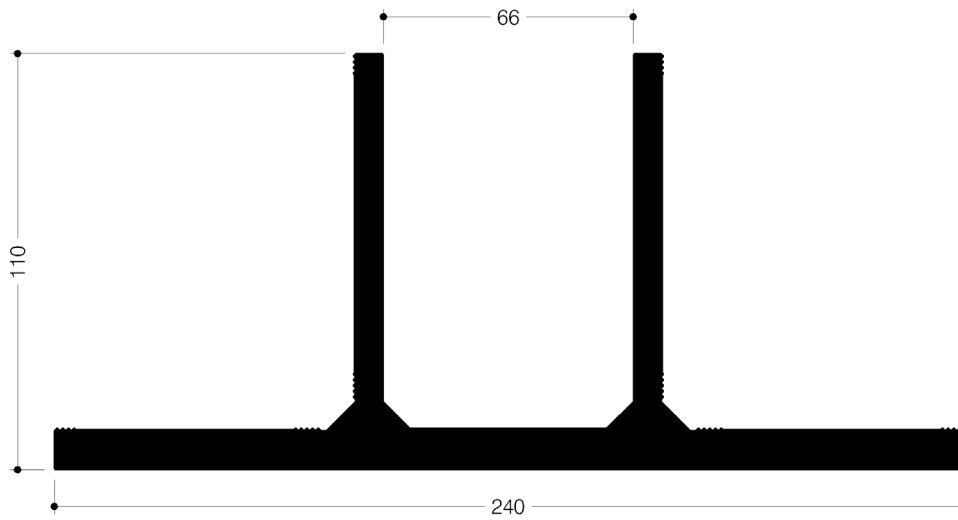


W3030280

Pre-material for self-cut

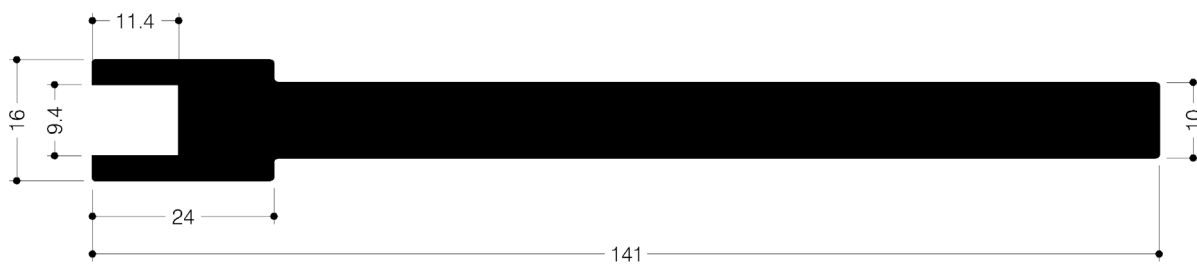
Additional profiles

W0130114  896 mm  0 mm W3391238  335 mm  0 mm



W0130114







Pre-material for self-cut

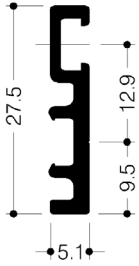


W3391238

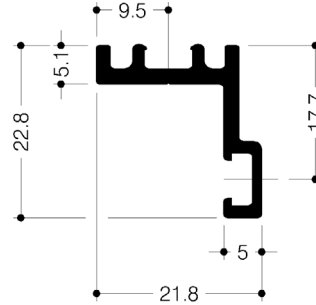
Pre-material for self-cut

Additional profiles

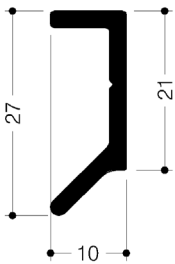
W0135177		92	mm		0	mm	W0130563		80	mm		0	mm
W0135178		116	mm		0	mm							



W0135177




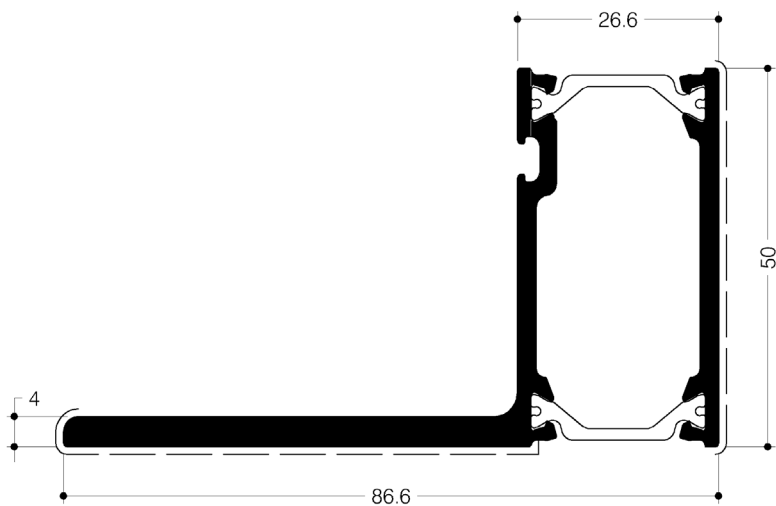
W0135178



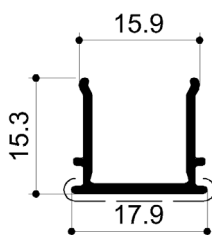
W0130563
Fastening profile for sealing web

Additional profiles

W0112283		299	mm		112	mm	W3940019		98	mm		17	mm
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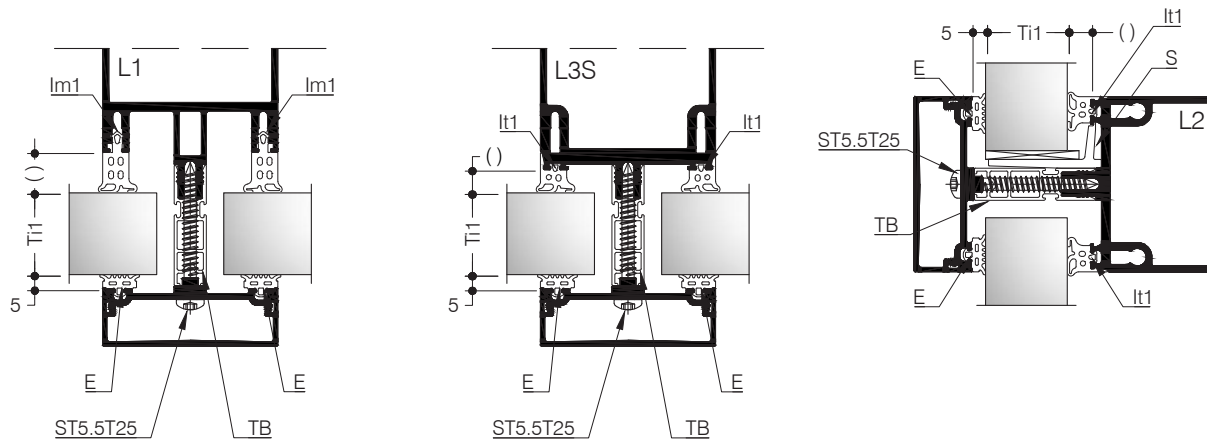
W0112283



W3940019

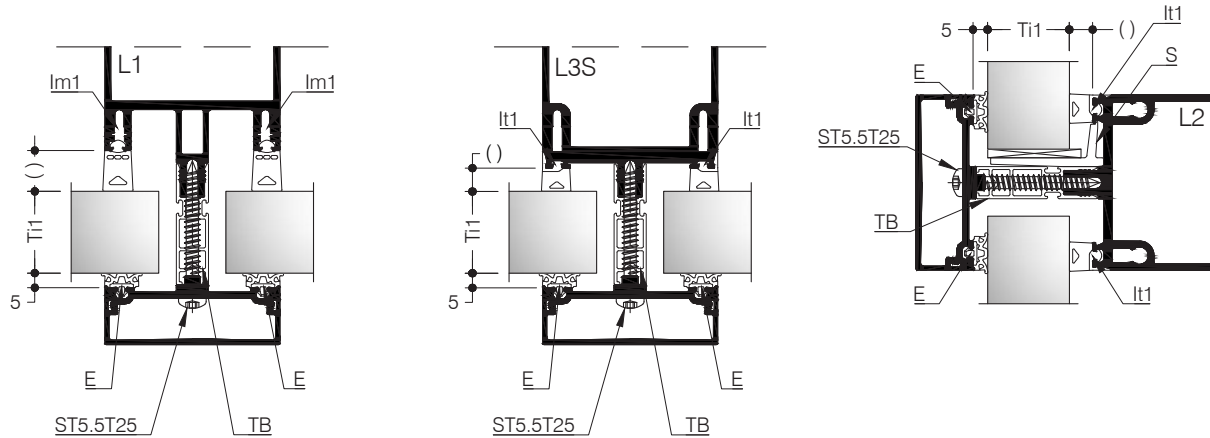
	Page
Mullion-transom façade - Capped	6.2
> 21 mm infill	6.2
> 21 mm infill with aluminium adapter	6.4
> 45 mm infill with aluminium adapter	6.6
> 28 mm infill HI insulation	6.8
> 21mm infill with spandrel panel gaskets	6.10
Mullion-transom façade - Facets and corners	6.11
< 5° > 21 mm infill	6.11
< 10° > 21 mm infill	6.12
90° corner > 21 mm infill	6.13
Mullion-transom façade - Openings	6.14
26 mm clamping frame profile	6.14
33 mm clamping frame profile	6.16
44 mm clamping frame profile	6.18
48 mm clamping frame profile	6.20
52 mm clamping frame profile	6.22
Clamping frame profile summary	6.24
Mullion-transom façade - Horizontal Line	6.26
> 21 mm infill	6.26
Mullion-transom façade - Vertical Line	6.28
Mullion-transom façade - SG design	6.30
Mullion-transom façade - Anti-burglary	6.32
Resistance class RC2 - > 21 mm infill -	6.32
Resistance class RC2-HI - > 28 mm infill -	6.34
Resistance class RC3 - > 21 mm infill -	6.36

Mullion-transom façade - Capped > 21 mm infill - EPDM gaskets



	Ti1	Im1	It1	TB	E	ST5.5T25	
22	W0190282 (14)	W0190288 (8)	W0190287 (6)	W0196060 (24)	W4010349 (5) W4010351 (5)	W4070083 (41)	W4080519
24	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070092 (41)	
26	W0190280 (10)	W0190286 (4)					
28	W0190282 (14)	W0190288 (8)	W0190287 (6)	W0196061 (30)		W4070084 (47)	W4080520
30	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070093 (47)	W4080530
32	W0190280 (10)	W0190286 (4)					
34	W0190282 (14)	W0190288 (8)	W0190287 (6)	W0196062 (36)		W4070085 (53)	W4080521
36	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070094 (53)	W4080531
38	W0190280 (10)	W0190286 (4)					
40	W0190282 (14)	W0190288 (8)	W0190287 (6)	W0196063 (42)		W4070086 (59)	W4080522
42	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070095 (59)	W4080532
44	W0190280 (10)	W0190286 (4)					
46	W0190282 (14)	W0190288 (8)	W0190287 (6)	W0196064 (48)		W4070087 (65)	W4080523
48	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070096 (65)	W4080533
50	W0190280 (10)	W0190286 (4)					
52	W0190282 (14)	W0190288 (8)	W0190287 (6)	W4030267 (54)		W4070088 (71)	W4080534
54	W0190281 (12)	W0190287 (6)	W0190286 (4)		W4070097 (71)		
56	W0190280 (10)	W0190286 (4)					
58	W0190282 (14)	W0190288 (8)	W0190287 (6)	W4030268 (60)	W4070028 (77)	W4080535	
60	W0190281 (12)	W0190287 (6)	W0190286 (4)		W4070513 (77)		
62	W0190280 (10)	W0190286 (4)					

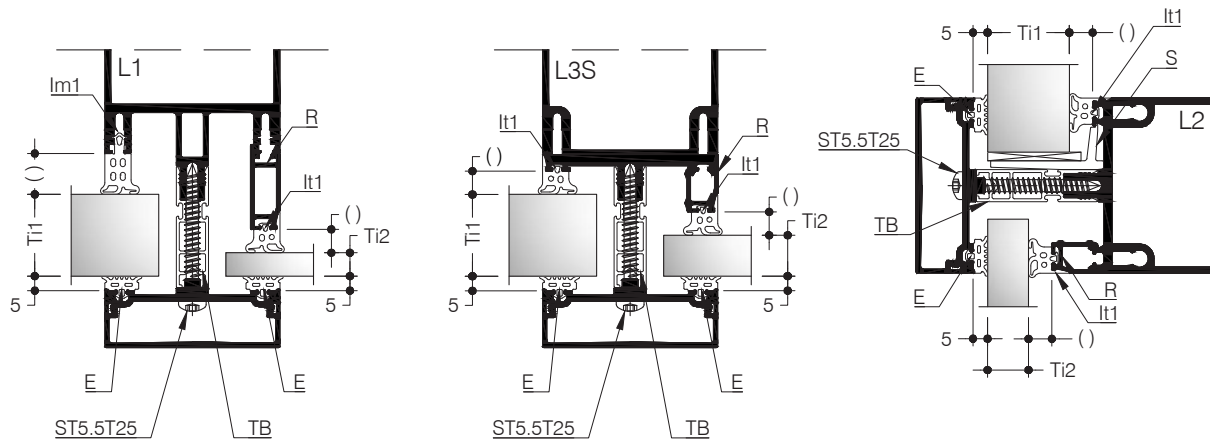
Mullion-transom façade - Capped > 21 mm infill - EPDM foam gaskets



	Ti1	Im1	It1	TB	E	ST5.5T25			
22		W4010562 (14)	W4010568 (8)	W0196060 (24)	W4010349 (5) W4010351 (5)	W4070083 (41)	W4080519		
24		W4010561 (12)	W4010567 (6)					W4070092 (41)	
26		W4010560 (10)	W4010566 (4)						
28		W4010562 (14)	W4010568 (8)	W0196061 (30)			W4070084 (47)	W4080520 W4080530	
30		W4010561 (12)	W4010567 (6)				W4070093 (47)		
32		W4010560 (10)	W4010566 (4)						
34		W4010562 (14)	W4010568 (8)	W0196062 (36)			W4070085 (53)	W4080521 W4080531	
36		W4010561 (12)	W4010567 (6)				W4070094 (53)		
38		W4010560 (10)	W4010566 (4)						
40		W4010562 (14)	W4010568 (8)	W0196063 (42)		W4070086 (59)	W4080522 W4080532		
42		W4010561 (12)	W4010567 (6)			W4070095 (59)			
44		W4010560 (10)	W4010566 (4)						
46		W4010562 (14)	W4010568 (8)	W0196064 (48)		W4070087 (65)	W4080523 W4080533		
48		W4010561 (12)	W4010567 (6)			W4070096 (65)			
50		W4010560 (10)	W4010566 (4)						
52		W4010562 (14)	W4010568 (8)	W4030267 (54)		W4070088 (71)	W4080534		
54		W4010561 (12)	W4010567 (6)			W4070097 (71)			
56		W4010560 (10)	W4010566 (4)						
58		W4010562 (14)	W4010568 (8)	W4030268 (60)		W4070028 (77)	W4080535		
60		W4010561 (12)	W4010567 (6)			W4070513 (77)			
62		W4010560 (10)	W4010566 (4)						

Mullion-transom façade - Capped

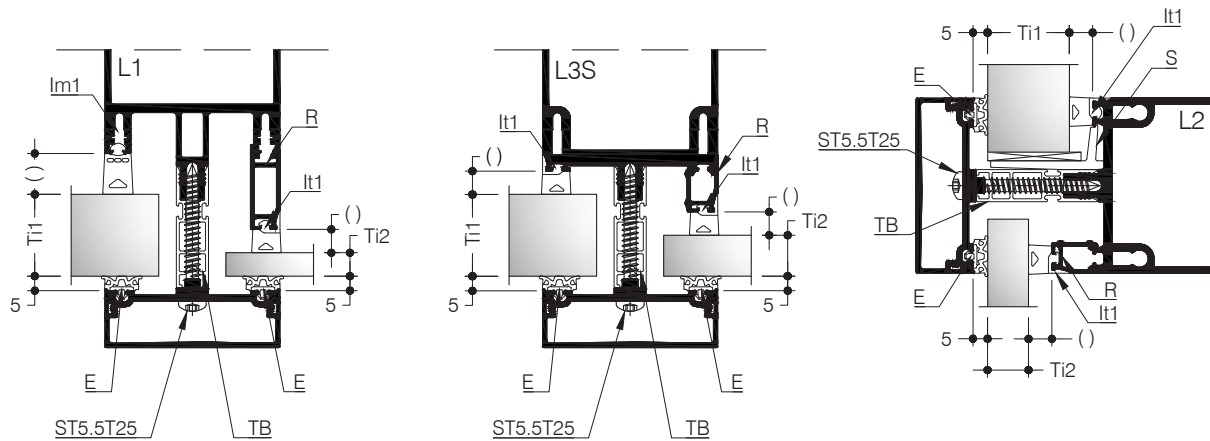
> 21 mm infill with aluminium adapter - EPDM gaskets



Ti1	Ti2	R	Im1	It1	TB	E	ST5.5T25	S	
22	2	W0135132 (26)	W0190282 (14)	W0190288 (8)	W0196060 (24)	W4010349 (5) W4010351 (5)	W4070083 (41) W4070092 (41)	W4080519	
24	4	W0135139 (20)	W0190281 (12)	W0190287 (6)					
26	6		W0190280 (10)	W0190286 (4)					
22	8	W0135131 (20)	W0190282 (14)	W0190288 (8)	W0196061 (30)		W4070084 (47) W4070093 (47)	W4080520 W4080530	
24	10	W0135138 (14)	W0190281 (12)	W0190287 (6)					
26	12		W0190280 (10)	W0190286 (4)					
22	14	W0135130 (14)	W0190282 (14)	W0190288 (8)	W0196062 (36)			W4070085 (53) W4070094 (53)	W4080521 W4080531
24	16	W0135137 (8)	W0190281 (12)	W0190287 (6)					
26	18		W0190280 (10)	W0190286 (4)					
28	8	W0135132 (26)	W0190282 (14)	W0190288 (8)	W0196063 (42)				W4070086 (59) W4070095 (59)
30	10	W0135139 (20)	W0190281 (12)	W0190287 (6)					
32	12		W0190280 (10)	W0190286 (4)					
28	14	W0135131 (20)	W0190282 (14)	W0190288 (8)	W0196062 (36)	W4070085 (53) W4070094 (53)			
30	16	W0135138 (14)	W0190281 (12)	W0190287 (6)					
32	18		W0190280 (10)	W0190286 (4)					
28	20	W0135130 (14)	W0190282 (14)	W0190288 (8)	W0196062 (36)		W4070085 (53) W4070094 (53)		
30	22	W0135137 (8)	W0190281 (12)	W0190287 (6)					
32	24		W0190280 (10)	W0190286 (4)					
34	14	W0135132 (26)	W0190282 (14)	W0190288 (8)	W0196062 (36)			W4070085 (53) W4070094 (53)	
36	16	W0135139 (20)	W0190281 (12)	W0190287 (6)					
38	18		W0190280 (10)	W0190286 (4)					
34	20	W0135131 (20)	W0190282 (14)	W0190288 (8)	W0196062 (36)				W4070085 (53) W4070094 (53)
36	22	W0135138 (14)	W0190281 (12)	W0190287 (6)					
38	24		W0190280 (10)	W0190286 (4)					
34	26	W0135130 (14)	W0190282 (14)	W0190288 (8)	W0196062 (36)	W4070085 (53) W4070094 (53)			
36	28	W0135137 (8)	W0190281 (12)	W0190287 (6)					
38	30		W0190280 (10)	W0190286 (4)					
40	20	W0135132 (26)	W0190282 (14)	W0190288 (8)	W0196062 (36)		W4070085 (53) W4070094 (53)		
42	22	W0135139 (20)	W0190281 (12)	W0190287 (6)					
44	24		W0190280 (10)	W0190286 (4)					
40	26	W0135131 (20)	W0190282 (14)	W0190288 (8)	W0196062 (36)			W4070085 (53) W4070094 (53)	
42	28	W0135138 (14)	W0190281 (12)	W0190287 (6)					
44	30		W0190280 (10)	W0190286 (4)					
40	32	W0135130 (14)	W0190282 (14)	W0190288 (8)	W0196062 (36)				W4070085 (53) W4070094 (53)
42	34	W0135137 (8)	W0190281 (12)	W0190287 (6)					
44	36		W0190280 (10)	W0190286 (4)					

Mullion-transom façade - Capped

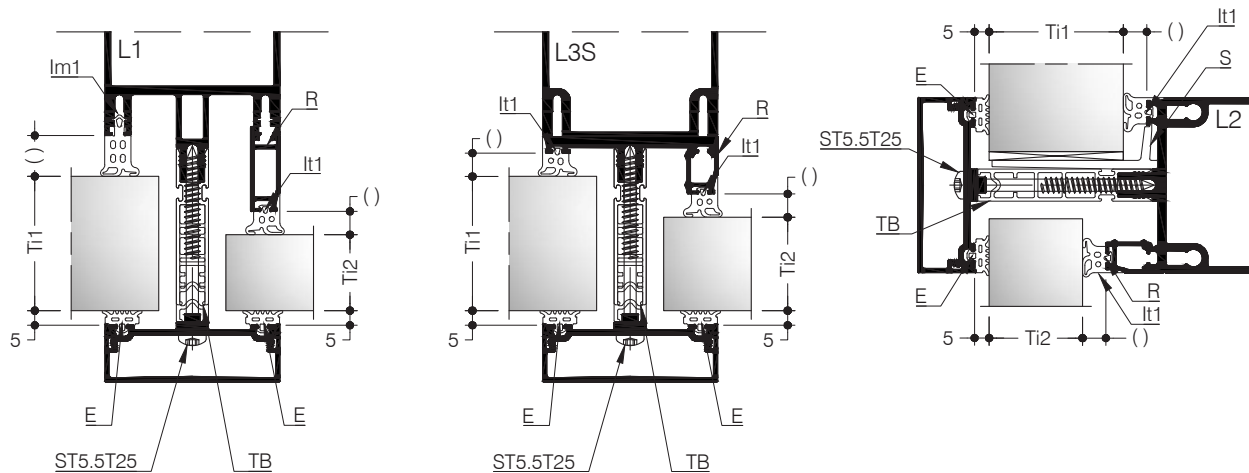
> 21 mm infill with aluminium adapter - EPDM foam gaskets



Ti1	Ti2	R	Im1	It1	TB	E	ST5.5T25	S			
22	2	W0135132 (26)	W4010562 (14)	W4010568 (8)	W0196060 (24)	W4010349 (5) W4010351 (5)	W4070083 (41) W4070092 (41)	W4080519			
24	4	W0135139 (20)	W4010561 (12)	W4010567 (6)							
26	6		W4010560 (10)	W4010566 (4)							
22	8	W0135131 (20)	W4010562 (14)	W4010568 (8)	W0196061 (30)		W4010349 (5) W4010351 (5)	W4070084 (47) W4070093 (47)	W4080520 W4080530		
24	10	W0135138 (14)	W4010561 (12)	W4010567 (6)							
26	12		W4010560 (10)	W4010566 (4)							
22	14	W0135130 (14)	W4010562 (14)	W4010568 (8)	W0196062 (36)			W4010349 (5) W4010351 (5)	W4070085 (53) W4070094 (53)	W4080521 W4080531	
24	16	W0135137 (8)	W4010561 (12)	W4010567 (6)							
26	18		W4010560 (10)	W4010566 (4)							
28	8	W0135132 (26)	W4010562 (14)	W4010568 (8)	W0196063 (42)				W4010349 (5) W4010351 (5)	W4070086 (59) W4070095 (59)	W4080522 W4080532
30	10	W0135139 (20)	W4010561 (12)	W4010567 (6)							
32	12		W4010560 (10)	W4010566 (4)							
28	14	W0135131 (20)	W4010562 (14)	W4010568 (8)	W0196062 (36)	W4010349 (5) W4010351 (5)				W4070085 (53) W4070094 (53)	W4080521 W4080531
30	16	W0135138 (14)	W4010561 (12)	W4010567 (6)							
32	18		W4010560 (10)	W4010566 (4)							
28	20	W0135130 (14)	W4010562 (14)	W4010568 (8)	W0196063 (42)		W4010349 (5) W4010351 (5)			W4070086 (59) W4070095 (59)	W4080522 W4080532
30	22	W0135137 (8)	W4010561 (12)	W4010567 (6)							
32	24		W4010560 (10)	W4010566 (4)							
34	14	W0135132 (26)	W4010562 (14)	W4010568 (8)	W0196062 (36)			W4010349 (5) W4010351 (5)		W4070085 (53) W4070094 (53)	W4080521 W4080531
36	16	W0135139 (20)	W4010561 (12)	W4010567 (6)							
38	18		W4010560 (10)	W4010566 (4)							
34	20	W0135131 (20)	W4010562 (14)	W4010568 (8)	W0196063 (42)				W4010349 (5) W4010351 (5)	W4070086 (59) W4070095 (59)	W4080522 W4080532
36	22	W0135138 (14)	W4010561 (12)	W4010567 (6)							
38	24		W4010560 (10)	W4010566 (4)							
34	26	W0135130 (14)	W4010562 (14)	W4010568 (8)	W0196063 (42)	W4010349 (5) W4010351 (5)				W4070086 (59) W4070095 (59)	W4080522 W4080532
36	28	W0135137 (8)	W4010561 (12)	W4010567 (6)							
38	30		W4010560 (10)	W4010566 (4)							
40	20	W0135132 (26)	W4010562 (14)	W4010568 (8)	W0196063 (42)		W4010349 (5) W4010351 (5)			W4070086 (59) W4070095 (59)	W4080522 W4080532
42	22	W0135139 (20)	W4010561 (12)	W4010567 (6)							
44	24		W4010560 (10)	W4010566 (4)							
40	26	W0135131 (20)	W4010562 (14)	W4010568 (8)	W0196063 (42)			W4010349 (5) W4010351 (5)		W4070086 (59) W4070095 (59)	W4080522 W4080532
42	28	W0135138 (14)	W4010561 (12)	W4010567 (6)							
44	30		W4010560 (10)	W4010566 (4)							
40	32	W0135130 (14)	W4010562 (14)	W4010568 (8)	W0196063 (42)				W4010349 (5) W4010351 (5)	W4070086 (59) W4070095 (59)	W4080522 W4080532
42	34	W0135137 (8)	W4010561 (12)	W4010567 (6)							
44	36		W4010560 (10)	W4010566 (4)							

Mullion-transom façade - Capped

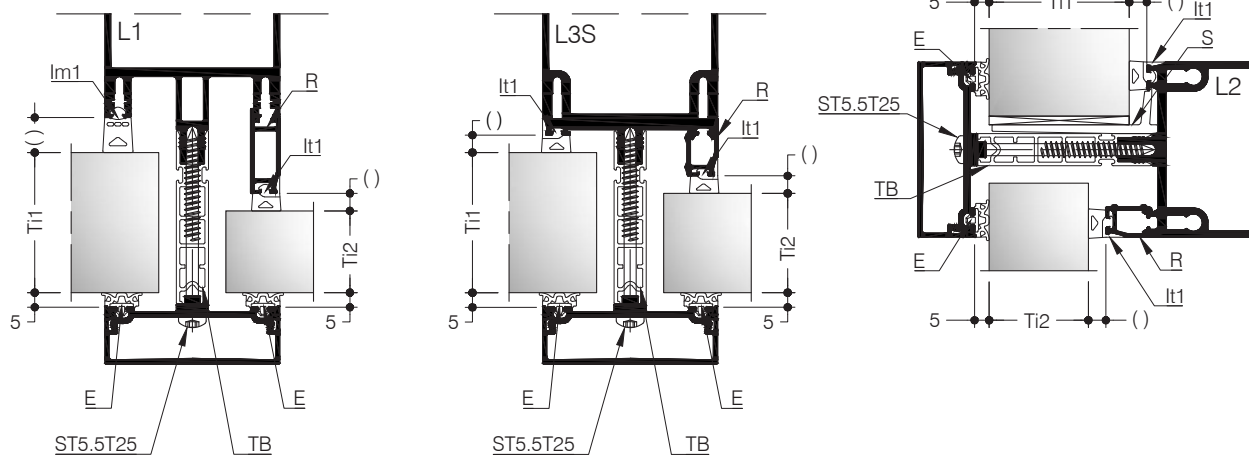
> 45 mm infill with aluminium adapter - EPDM gaskets



Ti1	Ti2	R	Im1	It1	TB	E	ST5.5T25	S
46	26	W0135132 (26)	W0190282 (14)	W0190288 (8)	W0196064 (48)	E	ST5.5T25	W4080523 W4080533
48	28	W0135139 (20)	W0190281 (12)	W0190287 (6)				
50	30		W0190280 (10)	W0190286 (4)				
46	32	W0135131 (20)	W0190282 (14)	W0190288 (8)	W4030267 (54)	W4010349 (5) W4010351 (6)	W4070087 (65) W4070096 (65)	W4080534
48	34	W0135138 (14)	W0190281 (12)	W0190287 (6)				
50	36		W0190280 (10)	W0190286 (4)				
46	38	W0135130 (14)	W0190282 (14)	W0190288 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
48	40	W0135137 (8)	W0190281 (12)	W0190287 (6)				
50	42		W0190280 (10)	W0190286 (4)				
52	32	W0135132 (26)	W0190282 (14)	W0190288 (8)	W4030267 (54)	W4070088 (71) W4070097 (71)	W4080534	
54	34	W0135139 (20)	W0190281 (12)	W0190287 (6)				
56	36		W0190280 (10)	W0190286 (4)				
52	38	W0135131 (20)	W0190282 (14)	W0190288 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
54	40	W0135138 (14)	W0190281 (12)	W0190287 (6)				
56	42		W0190280 (10)	W0190286 (4)				
58	38	W0135132 (26)	W0190282 (14)	W0190288 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60	40	W0135139 (20)	W0190281 (12)	W0190287 (6)				
62	42		W0190280 (10)	W0190286 (4)				
58	44	W0135131 (20)	W0190282 (14)	W0190288 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60	46	W0135138 (14)	W0190281 (12)	W0190287 (6)				
62	48		W0190280 (10)	W0190286 (4)				
58	50	W0135130 (14)	W0190282 (14)	W0190288 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60	52	W0135137 (8)	W0190281 (12)	W0190287 (6)				
62	54		W0190280 (10)	W0190286 (4)				

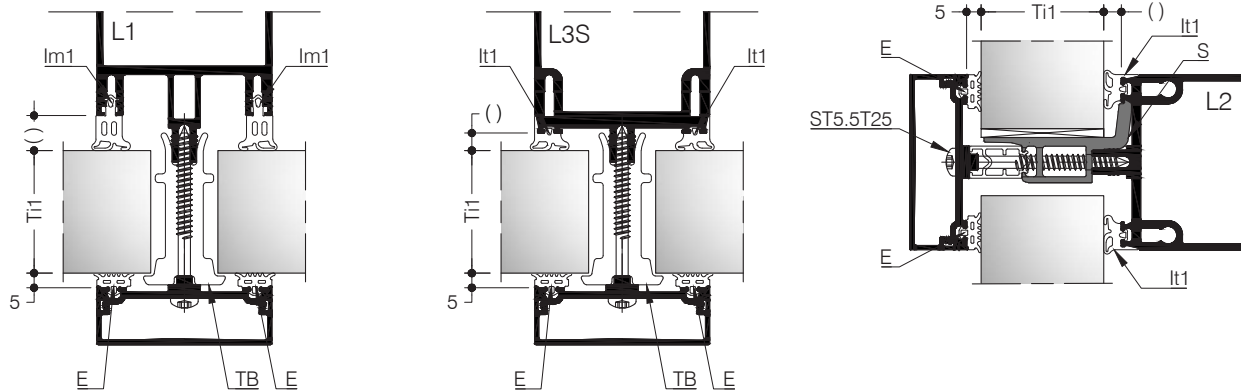
Mullion-transom façade - Capped

> 45 mm infill with aluminium adapter - EPDM foam gaskets



Ti1	Ti2	R	Im1	It1	TB	E	ST5.5T25	S
46	26	W0135132 (26)	W4010562 (14)	W4010568 (8)	W0196064 (48)	W4010349 (5) W4010351 (6)	W4070087 (65) W4070096 (65)	W4080523 W4080533
48	28	W0135139 (20)	W4010561 (12)	W4010567 (6)				
50	30		W4010560 (10)	W4010566 (4)				
46	32	W0135131 (20)	W4010562 (14)	W4010568 (8)	W4030267 (54)	W4070088 (71) W4070097 (71)	W4080534	
48	34	W0135138 (14)	W4010561 (12)	W4010567 (6)				
50	36		W4010560 (10)	W4010566 (4)				
46	38	W0135130 (14)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
48	40	W0135137 (8)	W4010561 (12)	W4010567 (6)				
50	42		W4010560 (10)	W4010566 (4)				
52	32	W0135132 (26)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
54	34	W0135139 (20)	W4010561 (12)	W4010567 (6)				
56	36		W4010560 (10)	W4010566 (4)				
52	38	W0135131 (20)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
54	40	W0135138 (14)	W4010561 (12)	W4010567 (6)				
56	42		W4010560 (10)	W4010566 (4)				
52	44	W0135130 (14)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
54	46	W0135137 (8)	W4010561 (12)	W4010567 (6)				
56	48		W4010560 (10)	W4010566 (4)				
58	38	W0135132 (26)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60	40	W0135139 (20)	W4010561 (12)	W4010567 (6)				
62	42		W4010560 (10)	W4010566 (4)				
58	44	W0135131 (20)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60	46	W0135138 (14)	W4010561 (12)	W4010567 (6)				
62	48		W4010560 (10)	W4010566 (4)				
58	50	W0135130 (14)	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60	52	W0135137 (8)	W4010561 (12)	W4010567 (6)				
62	54		W4010560 (10)	W4010566 (4)				

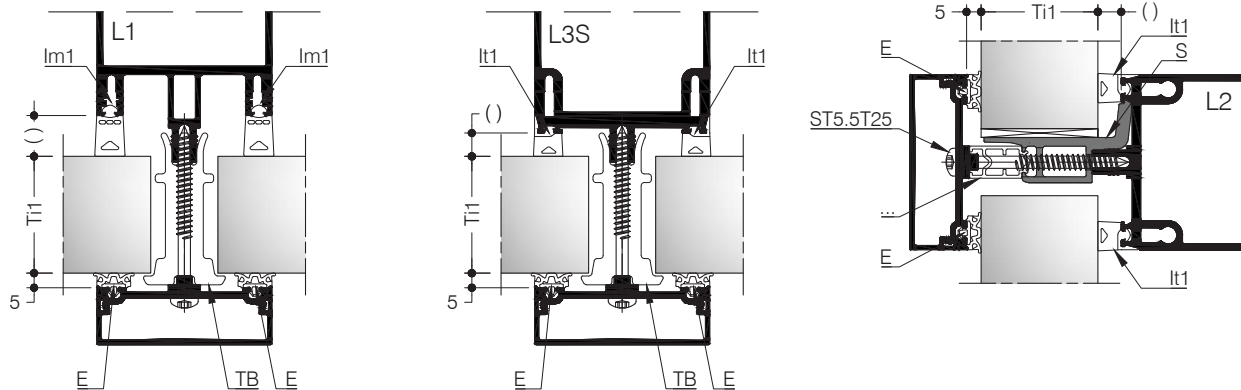
Mullion-transom façade - Capped > 28 mm infill HI insulation - EPDM gaskets



Ti1	Im1	It1	TB	E	ST5.5T25	S
28	W0190282 (14)	W0190288 (8)	W0196153 (30)	W4010349 (5) W4010351 (5)	W4070084 (47)	W4080530
30	W0190281 (12)	W0190287 (6)			W4070093 (47)	
32	W0190280 (10)	W0190286 (4)				
34	W0190282 (14)	W0190288 (8)	W0196154 (36)		W4070085 (53)	W4080531
36	W0190281 (12)	W0190287 (6)			W4070094 (53)	
38	W0190280 (10)	W0190286 (4)				
40	W0190282 (14)	W0190288 (8)	W4090105 (42)		W4070086 (59)	W4080532
42	W0190281 (12)	W0190287 (6)			W4070095 (59)	
44	W0190280 (10)	W0190286 (4)				
46	W0190282 (14)	W0190288 (8)	W4090069 (48)		W4070087 (65)	W4080533
48	W0190281 (12)	W0190287 (6)		W4070096 (65)		
50	W0190280 (10)	W0190286 (4)				
52	W0190282 (14)	W0190288 (8)	W4090058 (54)	W4070088 (71)	W4080534	
54	W0190281 (12)	W0190287 (6)		W4070097 (71)		
56	W0190280 (10)	W0190286 (4)				
58	W0190282 (14)	W0190288 (8)	W4090061 (60)	W4070028 (77)	W4080535	
60	W0190281 (12)	W0190287 (6)		W4070513 (77)		
62	W0190280 (10)	W0190286 (4)				

Mullion-transom façade - Capped

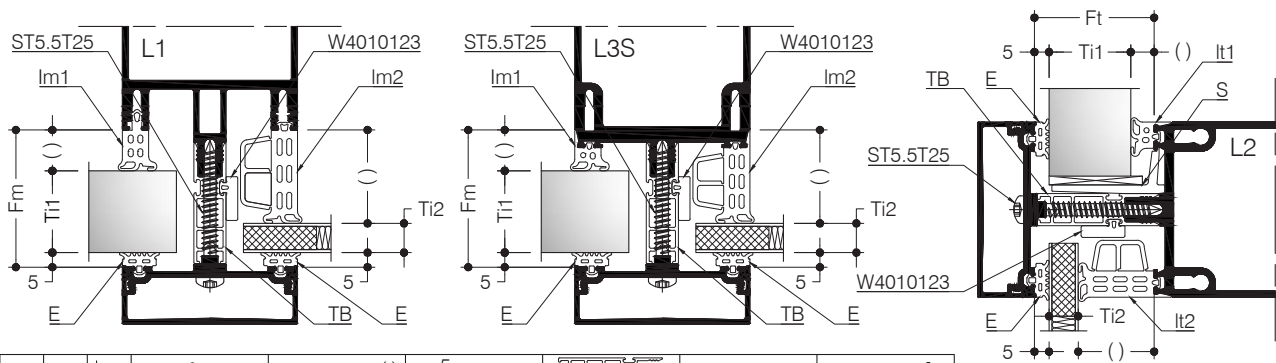
> 28 mm infill HI insulation - EPDM foam gaskets



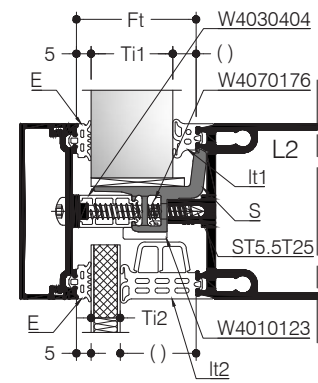
	Tt1	Im1	It1	TB	E	S
28	W4010562 (14)	W4010568 (8)	W0196153 (30)	W4010349 (5) W4010351 (5)	W4070084 (47)	W4080530
30	W4010561 (12)	W4010567 (6)			W4070093 (47)	
32	W4010560 (10)	W4010566 (4)				
34	W4010562 (14)	W4010568 (8)	W0196154 (36)		W4070085 (53)	W4080531
36	W4010561 (12)	W4010567 (6)			W4070094 (53)	
38	W4010560 (10)	W4010566 (4)				
40	W4010562 (14)	W4010568 (8)	W4090105 (42)		W4070086 (59)	W4080532
42	W4010561 (12)	W4010567 (6)			W4070095 (59)	
44	W4010560 (10)	W4010566 (4)				
46	W4010562 (14)	W4010568 (8)	W4090069 (48)	W4070087 (65)	W4080533	
48	W4010561 (12)	W4010567 (6)		W4070096 (65)		
50	W4010560 (10)	W4010566 (4)				
52	W4010562 (14)	W4010568 (8)	W4090058 (54)	W4070088 (71)	W4080534	
54	W4010561 (12)	W4010567 (6)		W4070097 (71)		
56	W4010560 (10)	W4010566 (4)				
58	W4010562 (14)	W4010568 (8)	W4090061 (60)	W4070028 (77)	W4080535	
60	W4010561 (12)	W4010567 (6)		W4070513 (77)		
62	W4010560 (10)	W4010566 (4)				

Mullion-transom façade - Capped

> 21mm infill with spandrel panel gaskets - - choice of thermal breaks and glazing gaskets



Fm	Ft	Ti1	Im1	It1	E	TB	ST5.5T25	S				
41	35	22	W0190282 (14)	W0190288 (8)	W4010349 (5) W4010351 (5)	W0196060 (24) W0196152 (24)	W4070083 (41) W4070092 (41)	W4080519				
		24	W0190281 (12)	W0190287 (6)				-				
		26	W0190280 (10)	W0190286 (4)				-				
47	41	28	W0190282 (14)	W0190288 (8)				W0196061 (30) W0196153 (30)	W4070084 (47) W4070093 (47)	W4080520		
		30	W0190281 (12)	W0190287 (6)						W4080530		
		32	W0190280 (10)	W0190286 (4)						-		
53	47	34	W0190282 (14)	W0190288 (8)						W0196062 (36) W0196154 (36)	W4070085 (53) W4070094 (53)	W4080521
		36	W0190281 (12)	W0190287 (6)								W4080531
		38	W0190280 (10)	W0190286 (4)								-
59	53	40	W0190282 (14)	W0190288 (8)								W0196063 (42) W4090105 (42)
		42	W0190281 (12)	W0190287 (6)	W4080532							
		44	W0190280 (10)	W0190286 (4)	-							
65	59	46	W0190282 (14)	W0190288 (8)	W0196064 (48) W4090069 (48)	W4070087 (65) W4070096 (65)	W4080523					
		48	W0190281 (12)	W0190287 (6)			W4080533					
		50	W0190280 (10)	W0190286 (4)			-					
71	65	52	W0190282 (14)	W0190288 (8)			W4030267 (54) W4090058 (54)	W4070088 (71) W4070097 (71)	-			
		54	W0190281 (12)	W0190287 (6)					W4080534			
		56	W0190280 (10)	W0190286 (4)					-			
77	71	58	W0190282 (14)	W0190288 (8)					W0196068 (60) W4090061 (60)	W4070028 (77) W4070513 (77)	-	
		60	W0190281 (12)	W0190287 (6)							W4080535	
		62	W0190280 (10)	W0190286 (4)							-	



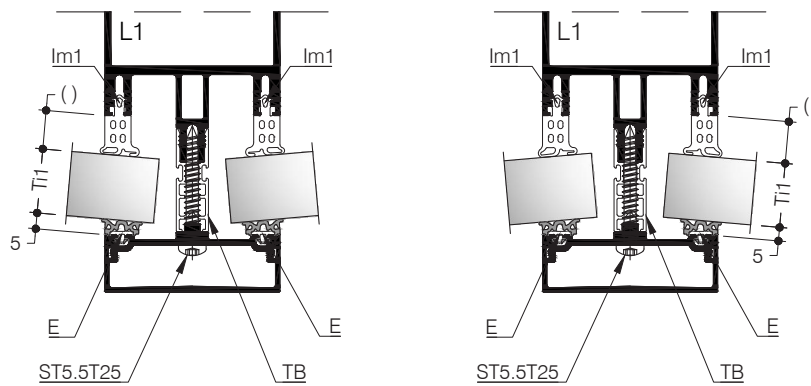
Ti2	Im2	It2		
41	35	22	W0190282 (14)	W4010562 (14)
		24	W0190281 (12)	W4010561 (12)
		26	W0190280 (10)	W4010560 (10)
47	41	28	W0190282 (14)	W4010568 (8)
		30	W0190281 (12)	W4010567 (6)
		32	W0190280 (10)	W4010566 (4)
53	47	34	W0190282 (14)	W4010568 (8)
		36	W0190281 (12)	W4010567 (6)
		38	W0190280 (10)	W4010566 (4)
59	53	40	W0190282 (14)	W4010568 (8)
		42	W0190281 (12)	W4010567 (6)
		44	W0190280 (10)	W4010566 (4)
65	59	46	W0190282 (14)	W4010568 (8)
		48	W0190281 (12)	W4010567 (6)
		50	W0190280 (10)	W4010566 (4)
71	65	52	W0190282 (14)	W4010568 (8)
		54	W0190281 (12)	W4010567 (6)
		56	W0190280 (10)	W4010566 (4)
77	71	58	W0190282 (14)	W4010568 (8)
		60	W0190281 (12)	W4010567 (6)
		62	W0190280 (10)	W4010566 (4)

Ti2	Im2	It2	Im2	It2	Im2	It2
Fm = 41 mm, Ft = 35 mm		Fm = 47 mm, Ft = 41 mm		Fm = 53 mm, Ft = 47 mm		
2	W4010583 (34)	W4010586 (28)	-	-		
4	W4010582 (32)	W4010585 (26)	-	-		
6	W0190470 (30)	W0190469 (24)	W4010584 (36)	W4010587 (30)		
8	W0190559 (28)	W0190565 (22)	W4010583 (34)	W4010586 (28)	-	-
10	W0190560 (26)	W0190566 (20)	W4010582 (32)	W4010585 (26)	-	-
12	-	-	W0190470 (30)	W0190469 (24)	W4010584 (36)	W4010587 (30)
14			W0190559 (28)	W0190565 (22)	W4010583 (34)	W4010586 (28)
16			W0190560 (26)	W0190566 (20)	W4010582 (32)	W4010585 (26)
18			-	-	W0190470 (30)	W0190469 (24)
20					W0190559 (28)	W0190565 (22)
22					W0190560 (26)	W0190566 (20)
Fm = 59 mm, Ft = 53 mm		Fm = 65 mm, Ft = 59 mm		Fm = 71 mm, Ft = 65 mm		
18	W4010584 (36)	W4010587 (30)				
20	W4010583 (34)	W4010586 (28)				
22	W4010582 (32)	W4010585 (26)				
24	W0190470 (30)	W0190469 (24)	W4010584 (36)	W4010587 (30)		
26	W0190559 (28)	W0190565 (22)	W4010583 (34)	W4010586 (28)		
28	W0190560 (26)	W0190566 (20)	W4010582 (32)	W4010585 (26)		
30			W0190470 (30)	W0190469 (24)	W4010584 (36)	W4010587 (30)
32			W0190559 (28)	W0190565 (22)	W4010583 (34)	W4010586 (28)
34			W0190560 (26)	W0190566 (20)	W4010582 (32)	W4010585 (26)

Ti2	Im2	It2
Fm = 71 mm, Ft = 65 mm		
36	W0190470 (30)	W0190469 (24)
38	W0190559 (28)	W0190565 (22)
40	W0190560 (26)	W0190566 (20)
42		
44		
46		
Fm = 77 mm, Ft = 71 mm		
36	W4010584 (36)	W4010587 (30)
38	W4010583 (34)	W4010586 (28)
40	W4010582 (32)	W4010585 (26)
42	W0190470 (30)	W0190469 (24)
44	W0190559 (28)	W0190565 (22)
46	W0190560 (26)	W0190566 (20)
44		
46		
48		
50		
52		
54		
56		

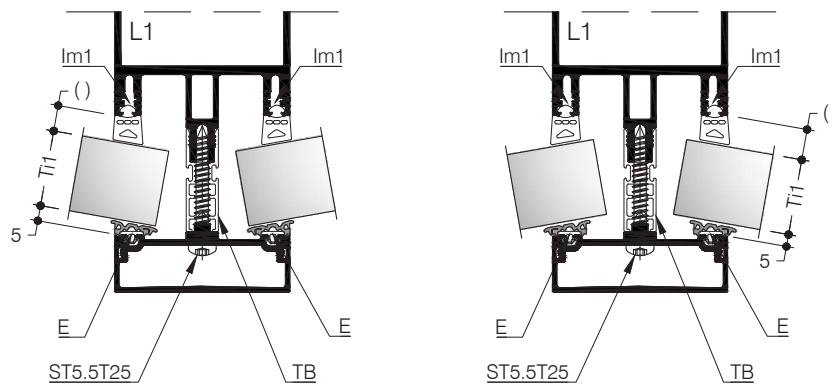
Mullion-transom façade - Facets and corners

< 5° > 21 mm infill - EPDM gaskets



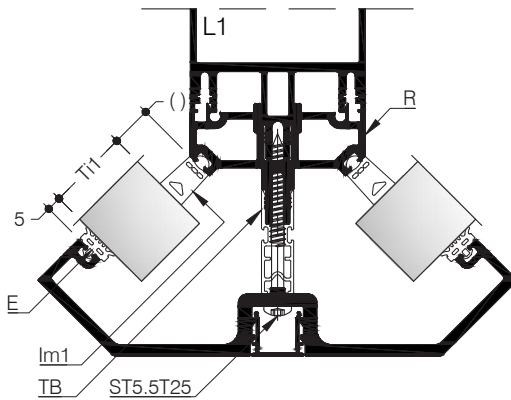
	Ti1	Im1	It1	TB	E
22		W0190282 (14)	W0190288 (8)	W0196060 (24)	W4070083 (41) W4070092 (41)
24		W0190281 (12)	W0190287 (6)		
26		W0190280 (10)	W0190286 (4)		
28		W0190282 (14)	W0190288 (8)	W0196061 (30)	W4070084 (47) W4070093 (47)
30		W0190281 (12)	W0190287 (6)		
32		W0190280 (10)	W0190286 (4)		
34		W0190282 (14)	W0190288 (8)	W0196062 (36)	W4070085 (53) W4070094 (53)
36		W0190281 (12)	W0190287 (6)		
38		W0190280 (10)	W0190286 (4)		
40		W0190282 (14)	W0190288 (8)	W0196063 (42)	W4070086 (59) W4070095 (59)
42		W0190281 (12)	W0190287 (6)		
44		W0190280 (10)	W0190286 (4)		
46		W0190282 (14)	W0190288 (8)	W0196064 (48)	W4070087 (65) W4070096 (65)
48		W0190281 (12)	W0190287 (6)		
50		W0190280 (10)	W0190286 (4)		
52		W0190282 (14)	W0190288 (8)	W4030267 (54)	W4070088 (71) W4070097 (71)
54		W0190281 (12)	W0190287 (6)		
56		W0190280 (10)	W0190286 (4)		
58		W0190282 (14)	W0190288 (8)	W4030268 (60)	W4070028 (77) W4070513 (77)
60		W0190281 (12)	W0190287 (6)		
62		W0190280 (10)	W0190286 (4)		

Mullion-transom façade - Facets and corners < 10° > 21 mm infill - EPDM foam gaskets



	Ti1	Im1	It1	TB	E
22	W4010562 (14)	W4010568 (8)	W0196060 (24)	W4010351 (5)	W4070083 (41)
24	W4010561 (12)	W4010567 (6)			W4070092 (41)
26	W4010560 (10)	W4010566 (4)			
28	W4010562 (14)	W4010568 (8)	W0196061 (30)		W4070084 (47)
30	W4010561 (12)	W4010567 (6)			W4070093 (47)
32	W4010560 (10)	W4010566 (4)			
34	W4010562 (14)	W4010568 (8)	W0196062 (36)		W4070085 (53)
36	W4010561 (12)	W4010567 (6)			W4070094 (53)
38	W4010560 (10)	W4010566 (4)			
40	W4010562 (14)	W4010568 (8)	W0196063 (42)		W4070086 (59)
42	W4010561 (12)	W4010567 (6)			W4070095 (59)
44	W4010560 (10)	W4010566 (4)			
46	W4010562 (14)	W4010568 (8)	W0196064 (48)		W4070087 (65)
48	W4010561 (12)	W4010567 (6)			W4070096 (65)
50	W4010560 (10)	W4010566 (4)			
52	W4010562 (14)	W4010568 (8)	W4030267 (54)		W4070088 (71)
54	W4010561 (12)	W4010567 (6)		W4070097 (71)	
56	W4010560 (10)	W4010566 (4)			
58	W4010562 (14)	W4010568 (8)	W4030268 (60)	W4070028 (77)	
60	W4010561 (12)	W4010567 (6)		W4070513 (77)	
62	W4010560 (10)	W4010566 (4)			

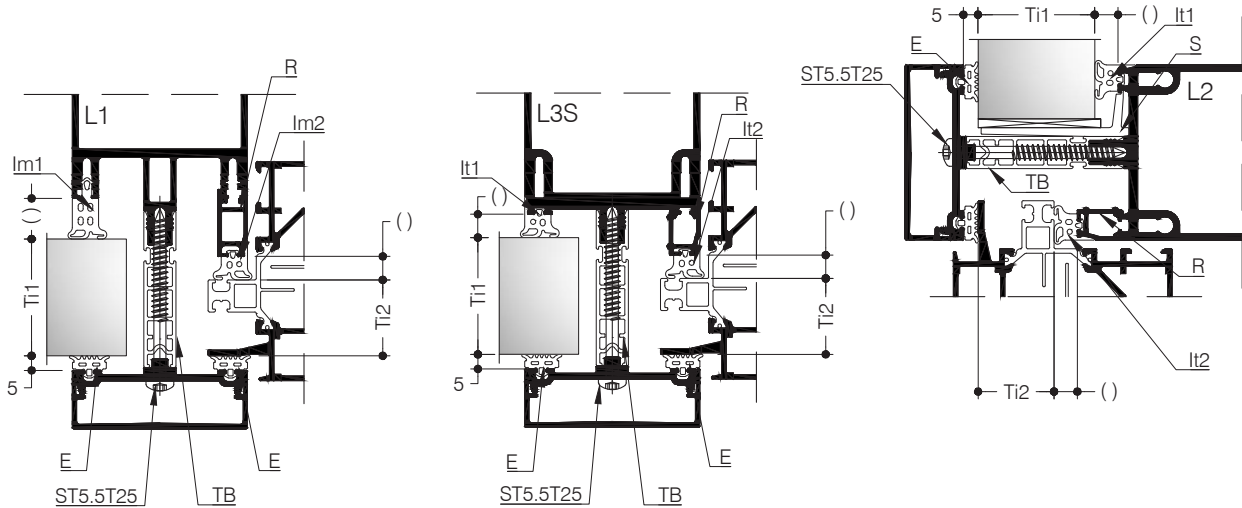
Mullion-transom façade - Facets and corners 90° corner > 21 mm infill - EPDM foam gaskets



	Ti1	Im1	It1	TB	E	ST5.5T25
22	W4010562 (14)	W4010568 (8)	W0196058 (12)	W4010349 (5) W4010351 (5)		W4070082 (35) W4070091 (35)
24	W4010561 (12)	W4010567 (6)	+			
26	W4010560 (10)	W4010566 (4)	W0196067 (03)			
28	W4010562 (14)	W4010568 (8)	W0196060 (24)			W4070083 (41) W4070092 (41)
30	W4010561 (12)	W4010567 (6)	+			
32	W4010560 (10)	W4010566 (4)	W0196061 (30)			W4070085 (53) W4070094 (53)
34	W4010562 (14)	W4010568 (8)	+			
36	W4010561 (12)	W4010567 (6)	W0196066 (02)			
38	W4010560 (10)	W4010566 (4)	W0196062 (36)			W4070086 (59) W4070095 (59)
40	W4010562 (14)	W4010568 (8)	+			
42	W4010561 (12)	W4010567 (6)	W0196064 (48)	W4070088 (71) W4070097 (71)		
44	W4010560 (10)	W4010566 (4)	+			
46	W4010562 (14)	W4010568 (8)	W0196065 (01)	W4070028 (77) W4070513 (77)		
48	W4010561 (12)	W4010567 (6)	+			
50	W4010560 (10)	W4010566 (4)	W0196068 (04)	W4070029 (83) W4070142 (83)		
52	W4010562 (14)	W4010568 (8)	W4030267 (54)			
54	W4010561 (12)	W4010567 (6)	+			
56	W4010560 (10)	W4010566 (4)	W4030268 (60)			
58	W4010562 (14)	W4010568 (8)	+			
60	W4010561 (12)	W4010567 (6)	W4030402 (06)			
62	W4010560 (10)	W4010566 (4)				

Mullion-transom façade - Openings

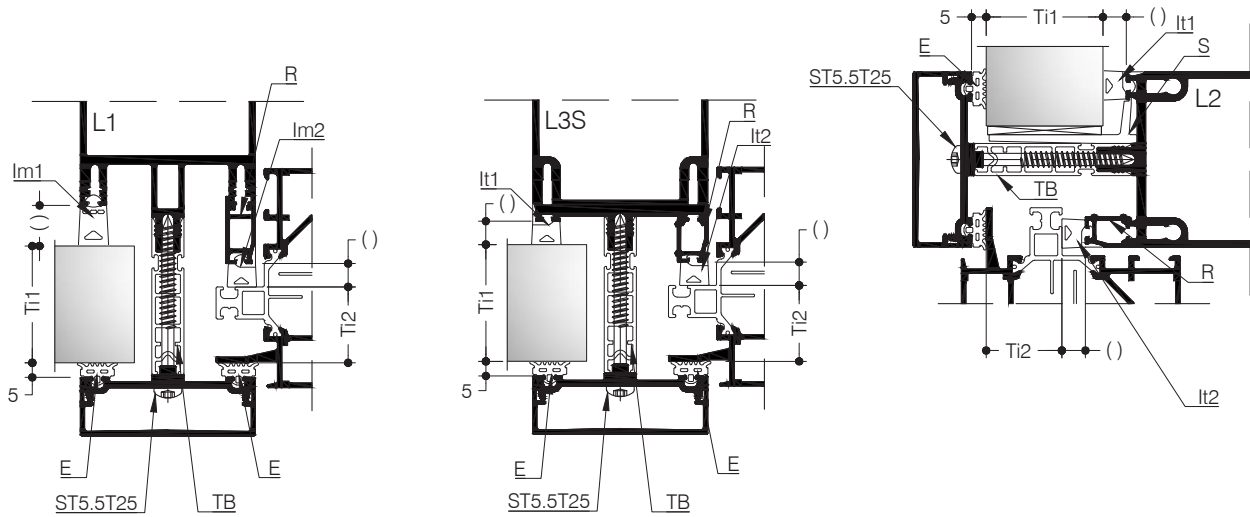
26 mm clamping frame profile - EPDM gaskets



Ti1	Ti2	R	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S
22 24 26		- - -	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190286 (4) W0190280 (10) -	W0196060 (24)		W4070083 (41) W4070092 (41)	W4080519
28 30 32		W4910026 (2) W4910027 (4) W4910028 (6)	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190288 (8) W0190287 (6) W0190286 (4) W0190282 (14) W0190281 (12) W0190280 (10)	W0196061 (30)		W4070084 (47) W4070093 (47)	W4080520 W4080530
34 36 38	26	W4910029 (8) W4910030 (10) W4010456 (12)	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190288 (8) W0190287 (6) W0190286 (4) W0190282 (14) W0190281 (12) W0190280 (10)	W0196062 (36)	W4010349 (5) W4010351 (5)	W4070085 (53) W4070094 (53)	W4080521 W4080531
40 42 44		W0135131 (20) W0135138 (14)	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190288 (8)	W0196063 (42)		W4070086 (59) W4070095 (59)	W4080522 W4080532
46 48 50		W0135132 (26) W0135139 (20)	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190288 (8)	W0196064 (48)		W4070087 (65) W4070096 (65)	W4080523 W4080533
52 54 56		W0135132 (26) W0135139 (20) W4910030 (10)	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190286 (4)	W4030267 (54)		W4070088 (71) W4070097 (71)	W4080534
58 60 62		W0135132 (26) W0135139 (20)	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190566 (20)	W4030268 (60)		W4070028 (77) W4070513 (77)	W4080535

Mullion-transom façade - Openings

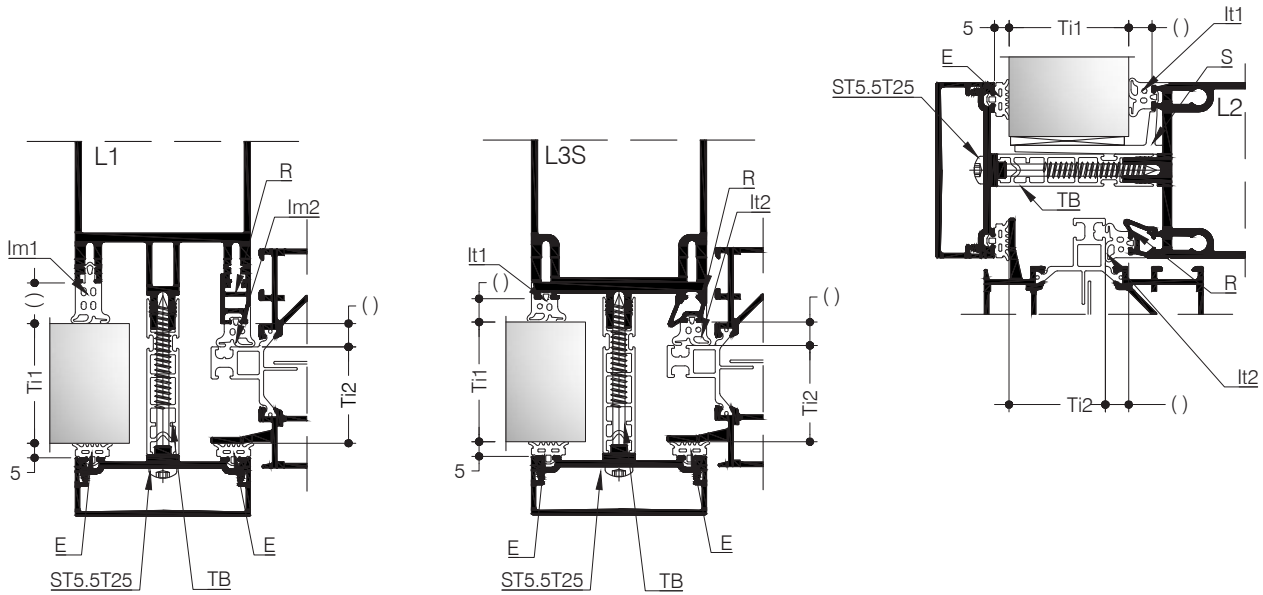
26 mm clamping frame profile - EPDM foam gaskets



Ti1	Ti2	R	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S
22 24 26		- - -			W4010566 (4) W4010560 (10)	W0196060 (24)		W4070083 (41) W4070092 (41)	W4080519
28 30 32		W4910026 (2) W4910027 (4) W4910028 (6)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196061 (30)		W4070084 (47) W4070093 (47)	W4080520 W4080530
34 36 38	26	W4910029 (8) W4910030 (10) W4010456 (12)	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W4010562 (14) W4010561 (12) W4010560 (10)	W0196062 (36)	W4010349 (5) W4010351 (5)	W4070085 (53) W4070094 (53)	W4080521 W4080531
40 42 44		W0135131 (20) W0135138 (14)				W0196063 (42)		W4070086 (59) W4070095 (59)	W4080522 W4080532
46 48 50		W0135132 (26) W0135139 (20)			W4010568 (8)	W0196064 (48)		W4070087 (65) W4070096 (65)	W4080523 W4080533
52 54 56		W0135132 (26) W0135139 (20) W4910030 (10)			W4010566 (4)	W4030267 (54)		W4070088 (71) W4070097 (71)	W4080534

Mullion-transom façade - Openings

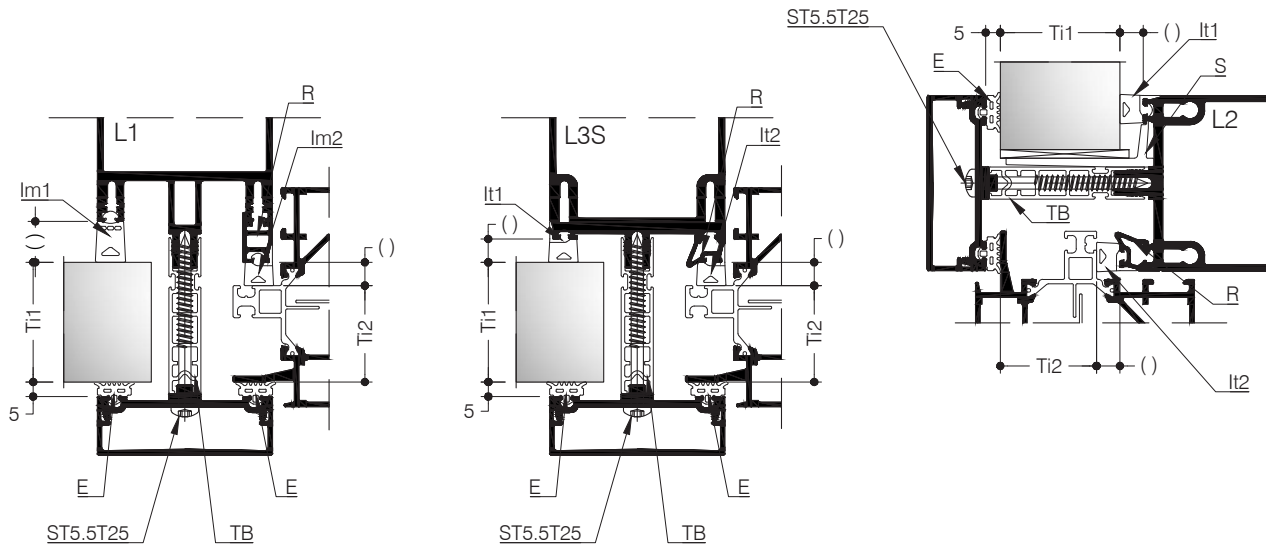
33 mm clamping frame profile - EPDM gaskets



Tt1	Tt2	R	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S
28		-	W0190282 (14)	W0190288 (8)	W0190286 (4)			W4070084 (47)	W4080520
30		-	W0190281 (12)	W0190287 (6)	W0190280 (10)	W0196061 (30)		W4070093 (47)	W4080530
32		-	W0190280 (10)	W0190286 (4)	-				
34		W4910026 (2)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W0196062 (36)		W4070085 (53)	W4080521
36		W4910027 (4)	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070094 (53)	W4080531
38		W4910028 (6)	W0190280 (10)	W0190286 (4)	W0190282 (14) W0190281 (12) W0190280 (10)				
40		W0135130 (14)	W0190282 (14)	W0190288 (8)		W0196063 (42)	W4010349 (5)	W4070086 (59)	W4080522
42	33	W0135137 (8)	W0190281 (12)	W0190287 (6)			W4010351 (5)	W4070095 (59)	W4080532
44			W0190280 (10)	W0190286 (4)					
46		W0135131 (20)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W0196064 (48)		W4070087 (65)	W4080523
48		W0135138 (14)	W0190281 (12)	W0190287 (6)	W0190286 (4)			W4070096 (65)	W4080533
50			W0190280 (10)	W0190286 (4)					
52		W0135132 (26)	W0190282 (14)	W0190288 (8)		W4030267 (54)		W4070088 (71)	W4080534
54		W0135139 (20)	W0190281 (12)	W0190287 (6)				W4070097 (71)	
56			W0190280 (10)	W0190286 (4)					
58		W0135132 (26)	W0190282 (14)	W0190288 (8)	W0190286 (4)	W4030268 (60)		W4070028 (77)	W4080535
60		W0135139 (20)	W0190281 (12)	W0190287 (6)				W4070513 (77)	
62		W4910030 (10)	W0190280 (10)	W0190286 (4)					

Mullion-transom façade - Openings

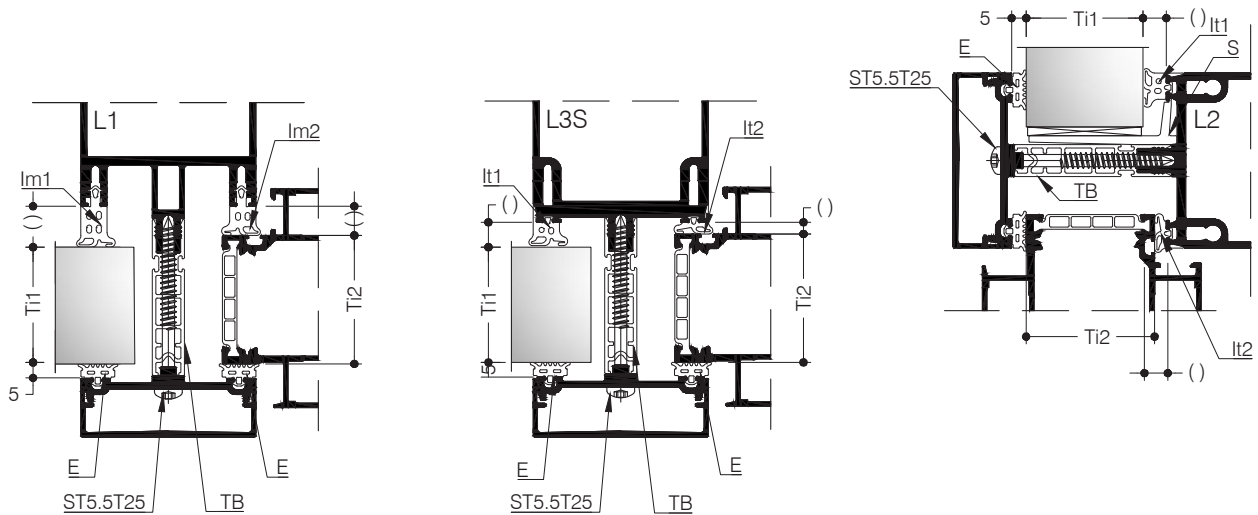
33 mm clamping frame profile - EPDM foam gaskets



Ti1	Ti2	R	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S					
28	33	-			W4010566 (4)	W0196061 (30)		W4070084 (47)	W4080520					
30		-			W4010560 (10)				W4070093 (47)	W4080530				
32		-												
34		W4910026 (2)			W4010562 (14) W4010561 (12) W4010560 (10)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196062 (36)	W0196063 (42)	W4010349 (5) W4010351 (5)	W4070085 (53)	W4080521	
36		W4910027 (4)											W4070094 (53)	W4080531
38		W4910028 (6)												
40		W0135130 (14)			W4010562 (14) W4010561 (12) W4010560 (10)			W4010568 (8) W4010567 (6) W4010566 (4)	W0196063 (42)	W0196063 (42)	W4010349 (5) W4010351 (5)	W4070086 (59)	W4080522	
42		W0135137 (8)											W4070095 (59)	W4080532
44														
46	W0135131 (20)	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196063 (42)	W0196064 (48)	W4010349 (5) W4010351 (5)	W4070087 (65)	W4080523						
48	W0135138 (14)							W4070096 (65)	W4080533					
50														
52	W0135132 (26)	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196063 (42)	W4030267 (54)	W4010349 (5) W4010351 (5)	W4070088 (71)	W4080534						
54	W0135139 (20)							W4070097 (71)	W4080534					
56														
58	W0135132 (26)	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196063 (42)	W4030268 (60)	W4010349 (5) W4010351 (5)	W4070028 (77)	W4080535						
60	W0135139 (20)							W4070513 (77)	W4080535					
62	W4910030 (10)													

Mullion-transom façade - Openings

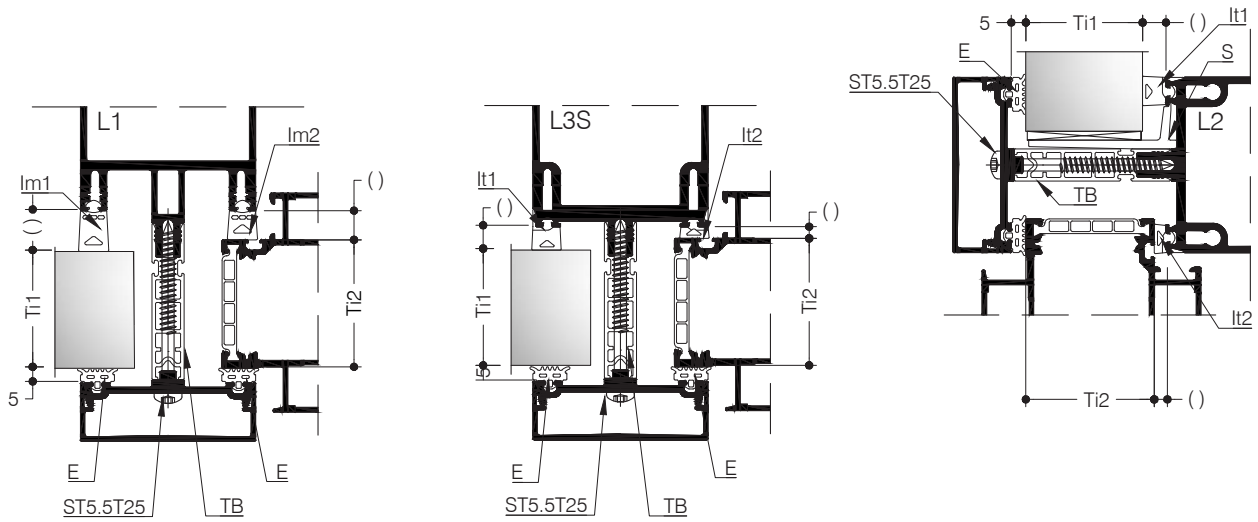
44 mm clamping frame profile - EPDM gaskets



Tt1	Tt2	R	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S
40		-	W0190282 (14)	W0190288 (8)	W0190286 (4)	W0196063 (42)		W4070086 (59)	W4080522
42		-	W0190281 (12)	W0190287 (6)	W0190280 (10)			W4070095 (59)	W4080532
44		-	W0190280 (10)	W0190286 (4)	-				
46	44	W4910026 (2)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W0196064 (48)	W4010349 (5) W4010351 (5)	W4070087 (65) W4070096 (65)	W4080523 W4080533
48		W4910027 (4)	W0190281 (12)	W0190287 (6)	W0190286 (4)				
50		W4910028 (6)	W0190280 (10)	W0190286 (4)	W0190282 (14) W0190281 (12) W0190280 (10)				
52		W4910029 (8)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W4030267 (54)	W4010349 (5) W4010351 (5)	W4070088 (71) W4070097 (71)	W4080534
54	W4910030 (10)	W0190281 (12)	W0190287 (6)	W0190286 (4)					
56	W4010456 (12)	W0190280 (10)	W0190286 (4)	W0190282 (14) W0190281 (12) W0190280 (10)					
58		W0135131 (20)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W4030268 (60)	W4010349 (5) W4010351 (5)	W4070028 (77) W4070513 (77)	W4080535
60	W0135138 (14)	W0190281 (12)	W0190287 (6)	W0190286 (4)					
62		W0190280 (10)	W0190286 (4)						

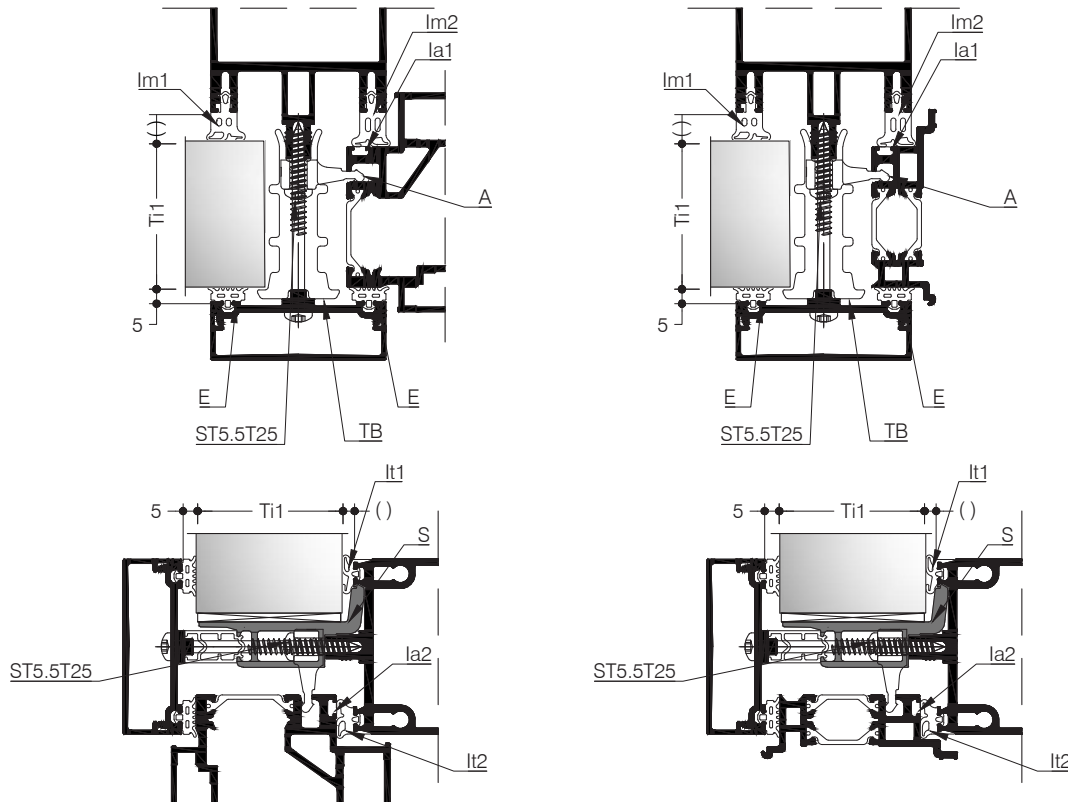
Mullion-transom façade - Openings

44 mm clamping frame profile - EPDM foam gaskets



Ti1	Ti2	R	lm1	lt1	lm2 / lt2	TB	E	ST5.5T25	S
40 42 44		- - -			W4010566 (4) W4010560 (10)	W0196063 (42)		W4070086 (59) W4070095 (59)	W4080522 W4080532
46 48 50	44	W4910026 (2) W4910027 (4) W4910028 (6)	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196064 (48)	W4010349 (5) W4010351 (5)	W4070087 (65) W4070096 (65)	W4080523 W4080533
52 54 56		W4910029 (8) W4910030 (10) W4010456 (12)			W4010568 (8) W4010567 (6) W4010566 (4)	W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)		W4030267 (54)	W4070088 (71) W4070097 (71)
58 60 62		W0135131 (20) W0135138 (14)			W4010568 (8)	W4030268 (60)		W4070028 (77) W4070513 (77)	W4080535

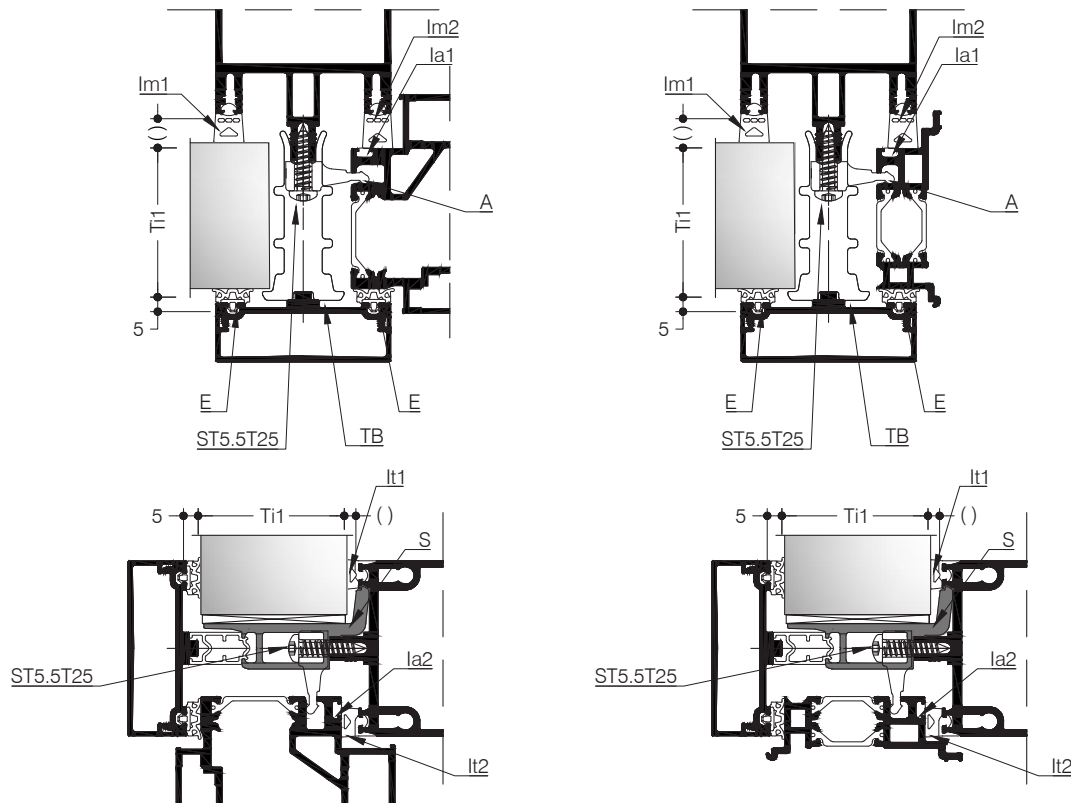
Mullion-transom façade - Openings 48 mm clamping frame profile - EPDM gaskets



Ti1	Im1	Im2 + la1	It1	It2 + la2	A	ST5.5T25	E	TB1	TB2	ST5.5T25	S	
46 48 50	W0190282 (14) W0190281 (12) W0190280 (10)	W0190281 (12) W4010114 (0)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190287 (6) W4010114 (0)	W4080555	W4070080 (23)	W4010349 W4010351 (5)	W0196064 (48)	W4090069 (48)	W4070087 (65) W4070096 (65)	W4080533	
52 54 56	W0190282 (14) W0190281 (12) W0190280 (10)	W0190281 (12) W4910028 (6)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190287 (6) W4910028 (6)	W4080556	W4070081 (29)		W4030267 (54)	W4090058 (54)	W4070088 (71) W4070097 (71)	W4080534	
58 60 62	W0190282 (14) W0190281 (12) W0190280 (10)	W0190281 (12) W4010456 (12)	W0190288 (8) W0190287 (6) W0190286 (4)	W0190287 (6) W4010456 (12)	W4080557	W4070082 (35)		W4030268 (60)	W4090061 (60)	W4070028 (77) W4070513 (77)	W4080535	

Mullion-transom façade - Openings

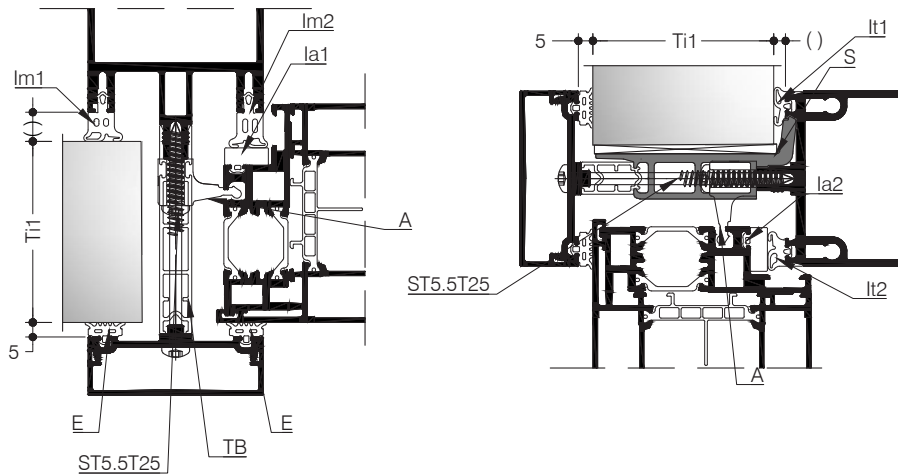
48 mm clamping frame profile - EPDM foam gaskets



Ti1	lm1	lm2 + la1	lt1	lt2 + la2	A	ST5.5T25	E	TB1	TB2	ST5.5T25	S
46 48 50	W4010562 (14) W4010561 (12) W4010560 (10)	W4010561 (12) W4010114 (0)	W4010568 (8) W4010567 (6) W4010566 (4)	W4010567 (6) W4010114 (0)	W4080555	W4070080 (23)	W4010349 W4010351 (5)	W0196064 (48)	W4090069 (48)	W4070087 (65) W4070096 (65)	W4080533
52 54 56	W4010562 (14) W4010561 (12) W4010560 (10)	W4010561 (12) W4910028 (6)	W4010568 (8) W4010567 (6) W4010566 (4)	W4010567 (6) W4910028 (6)	W4080556	W4070081 (29)		W4030267 (54)	W4090058 (54)	W4070088 (71) W4070097 (71)	W4080534
58 60 62	W4010562 (14) W4010561 (12) W4010560 (10)	W4010561 (12) W4010456 (12)	W4010568 (8) W4010567 (6) W4010566 (4)	W4010567 (6) W4010456 (12)	W4080557	W4070082 (35)		W4030268 (60)	W4090061 (60)	W4070028 (77) W4070513 (77)	W4080535

Mullion-transom façade - Openings

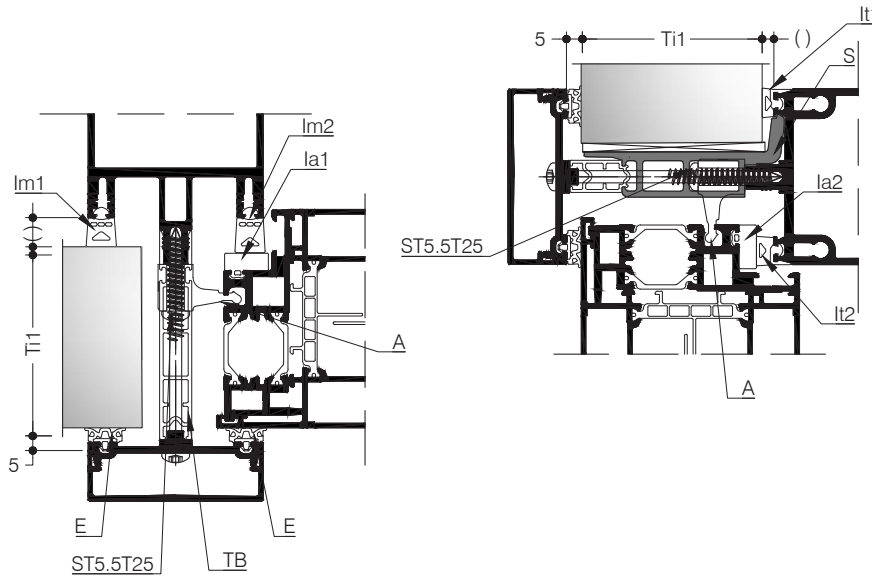
52 mm clamping frame profile - EPDM gaskets



	Ti1	Im1	Im2 + la1	It1	It2 + la2	A	ST5.5T25	E	TB1	TB2	ST5.5T25	S
52	W0190282 (14)	W0190281 (12)	W0190281 (12)	W0190288 (8)	W0190287 (6)	W4080555	W4070080 (23)	W4010349 W4010351 (5)	W4030267 (54)	W4090058 (54)	W4070088 (71)	W4080534
54 56	W0190281 (12) W0190280 (10)	W4010114 (0)	W0190286 (4)	W4010114 (0)	W4080555	W4070081 (29)	W4030268 (60)		W4090061 (60)	W4070097 (71)		
58	W0190282 (14)	W0190281 (12)	W0190281 (12)	W0190288 (8)	W0190287 (6)	W4080556	W4070081 (29)	W4010349 W4010351 (5)	W4030268 (60)	W4090061 (60)	W4070028 (77)	W4080535
60 62	W0190281 (12) W0190280 (10)	W4910028 (6)	W0190286 (4)	W4910028 (6)	W4080556	W4070081 (29)	W4030268 (60)		W4090061 (60)	W4070513 (77)		

Mullion-transom façade - Openings

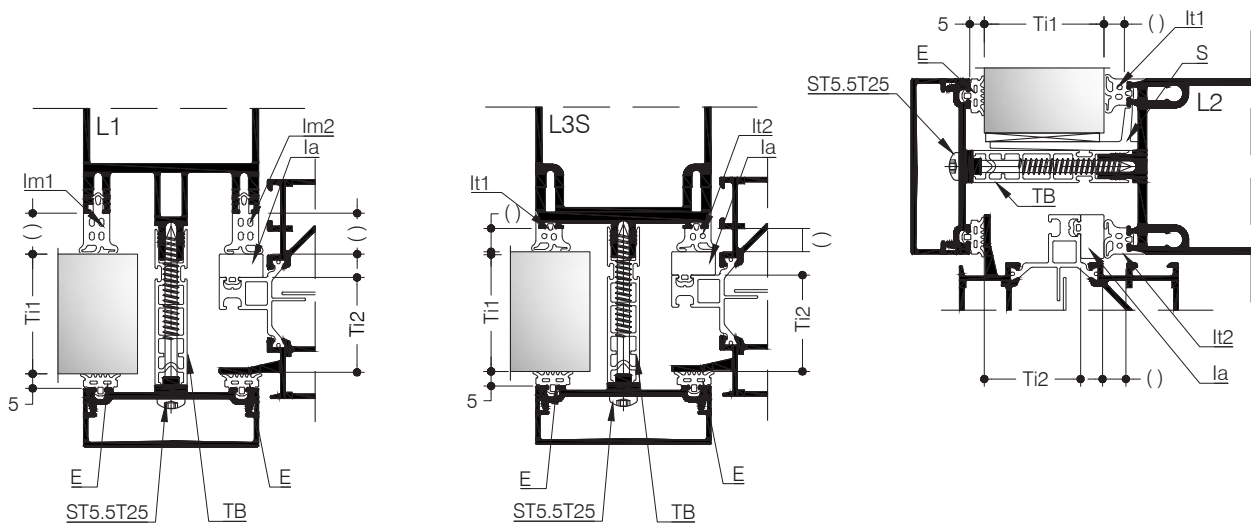
52 mm clamping frame profile - EPDM foam gaskets



	Ti1	Im1	Im2 + la1	It1	It2 + la2	A	ST5.5T25	E	TB1	TB2	ST5.5T25	S
52	W4010562 (14)	W4010561 (12)	W4010568 (8)	W4010567 (6)	W4080555	W4070080 (23)	W4010349 W4010351 (5)	W4030267 (54)	W4090058 (54)	W4070088 (71) W4070097 (71)	W4080534	
54 56	W4010561 (12) W4010560 (10)	W4010561 (12) W4010114 (0)	W4010567 (6) W4010566 (4)	W4010114 (0)								
58	W4010562 (14)	W4010561 (12)	W4010568 (8)	W4010567 (6)	W4080556	W4070081 (29)		W4030268 (60)	W4090061 (60)	W4070028 (77) W4070513 (77)	W4080535	
60 62	W4010561 (12) W4010560 (10)	W4010561 (12) W4910028 (6)	W4010567 (6) W4010566 (4)	W4910028 (6)								

Mullion-transom façade - Openings

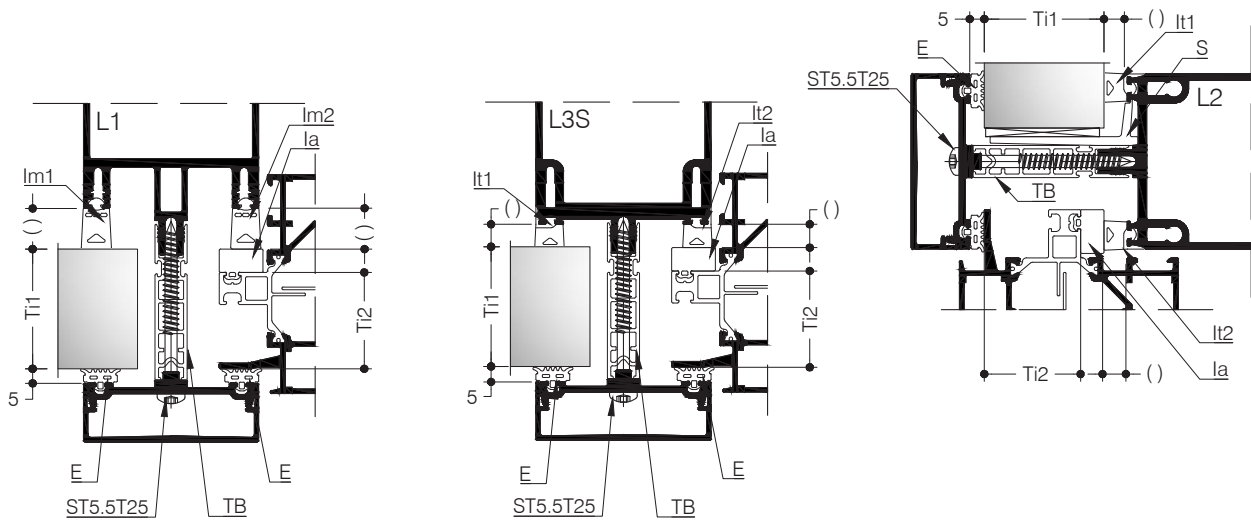
Clamping frame profile summary - EPDM gaskets



Ti1	Ti2	F	la	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S
22	26	W1917077	-	W0190282 (14)	W0190288 (8)	W0190286 (4)	W0196060 (24)	W4070083 (41) W4070092 (41)	W4080519	
24			-	W0190281 (12)	W0190287 (6)	W0190280 (10)				
26			-	W0190280 (10)	W0190286 (4)					
28	26	W1917077	W4910026 (2)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W0196061 (30)	W4070084 (47) W4070093 (47)	W4080520 W4080530	
30			W4910027 (4)	W0190281 (12)	W0190287 (6)	W0190282 (14)				
32			W4910028 (6)	W0190280 (10)	W0190286 (4)	W0190281 (12) W0190280 (10)				
34	26	W1917077	W4910029 (8)	W0190282 (14)	W0190288 (8)	W0190287 (6)	W0196062 (36)	W4070085 (53) W4070094 (53)	W4080521 W4080531	
36			W4910030 (10)			W0190281 (12)				W0190287 (6)
38			W4010456 (12)			W0190280 (10)				W0190286 (4)
40	33	W1910135	W4910026 (2)	W0190282 (14)	W0190288 (8)	W0190282 (14)	W0196063 (42)	W4070086 (59) W4070095 (59)	W4080522 W4080532	
			W4910027 (4)			W0190281 (12)				W0190287 (6)
			W4910028 (6)			W0190280 (10)				W0190286 (4)
42	44	W1017090	-	W0190282 (14)	W0190288 (8)	W0190286 (4)	W0196064 (48)	W4070087 (65) W4070096 (65)	W4080523 W4080533	
44			-	W0190281 (12)	W0190287 (6)	W0190280 (10)				
44			-	W0190280 (10)	W0190286 (4)					
46	44	W1017090	W4910026 (2)	W0190282 (14)	W0190288 (8)	W0190288 (8)	W0196064 (48)	W4070087 (65) W4070096 (65)	W4080523 W4080533	
48			W4910027 (4)	W0190281 (12)	W0190287 (6)	W0190282 (14)				
50			W4910028 (6)	W0190280 (10)	W0190286 (4)	W0190281 (12) W0190280 (10)				
52	44	W1017090	W4910029 (8)	W0190282 (14)	W0190288 (8)	W0190287 (6)	W4030267 (54)	W4070088 (71) W4070097 (71)	W4080534	
54			W4910030 (10)			W0190281 (12)				W0190287 (6)
56			W4010456 (12)			W0190280 (10)				W0190286 (4)
58	48	W1017077	W4910027 (4)	W0190282 (14)	W0190288 (8)	W0190286 (4)	W4030268 (60)	W4070028 (77) W4070513 (77)	W4080535	
60			W4910028 (6)	W0190281 (12)	W0190287 (6)	W0190282 (14)				
62			W4910029 (8)	W0190280 (10)	W0190286 (4)					

Mullion-transom façade - Openings

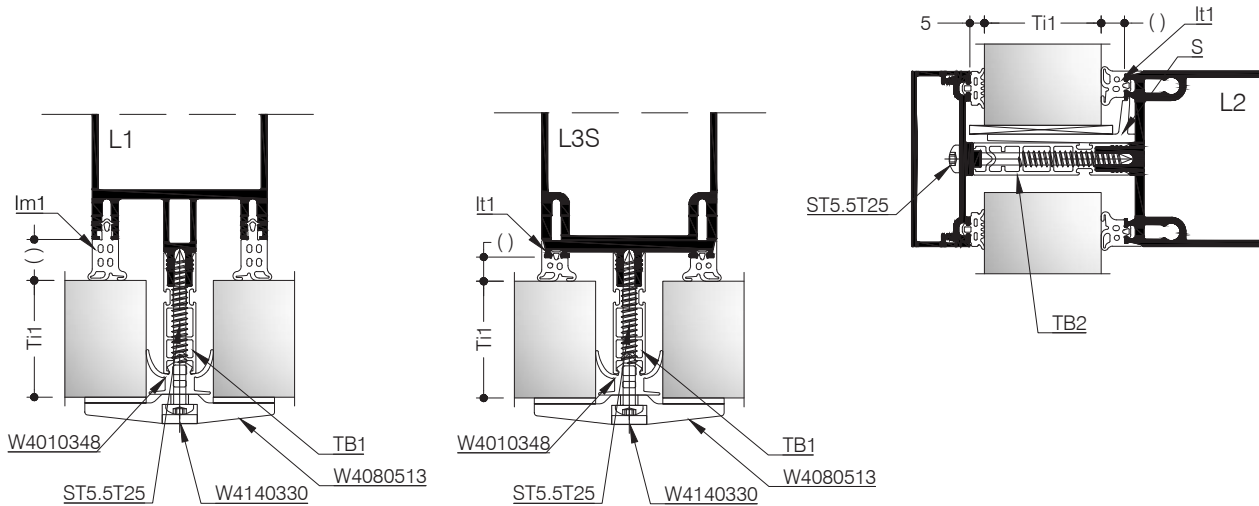
Clamping frame profile summary - EPDM foam gaskets



Ti1	Ti2	F	la	Im1	It1	Im2 / It2	TB	E	ST5.5T25	S
22			-							
24	26	W1917077	-			W4010566 (4) W4010560 (10)	W0196060 (24)		W4070083 (41) W4070092 (41)	W4080519
28			W4910026 (2) W4910027 (4) W4910028 (6)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196061 (30)		W4070084 (47) W4070093 (47)	W4080520 W4080530
34			W4910029 (8) W4910030 (10) W4010456 (12)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196062 (36)		W4070085 (53) W4070094 (53)	W4080521 W4080531
36	33	W1910135	W4910026 (2) W4910027 (4) W4910028 (6)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196063 (42)		W4070086 (59) W4070095 (59)	W4080522 W4080532
40			W4910029 (8) W4910030 (10) W4010456 (12)	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W4010566 (4) W4010560 (10)	W0196063 (42)	W4010349 (5) W4010351 (5)		
44	44	W1017090	-			W4010566 (4) W4010560 (10)	W0196064 (48)		W4070087 (65) W4070096 (65)	W4080523 W4080533
46			W4910026 (2) W4910027 (4) W4910028 (6)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W0196064 (48)			
48	48	W1017077	W4910026 (2)			W4010566 (4) W4010560 (10)				
52			W4910029 (8) W4910030 (10) W4010456 (12)			W4010568 (8) W4010567 (6) W4010566 (4) W4010562 (14) W4010561 (12) W4010560 (10)	W4030267 (54)		W4070088 (71) W4070097 (71)	W4080534
54	48	W1017077	W4910027 (4) W4910028 (6) W4910029 (8)			W4010566 (4) W4010560 (10)	W4030268 (60)		W4070028 (77) W4070513 (77)	W4080535
56			W4910029 (8) W4910030 (10) W4010456 (12)			W4010566 (4) W4010560 (10)	W4030268 (60)			
58			W4910029 (8) W4910030 (10) W4010456 (12)			W4010566 (4) W4010560 (10)	W4030268 (60)			
60	48	W1017077	W4910030 (10)			W4010566 (4) W4010560 (10)	W4030268 (60)			
62			W4910030 (10)			W4010566 (4) W4010560 (10)	W4030268 (60)			

Mullion-transom façade - Horizontal Line

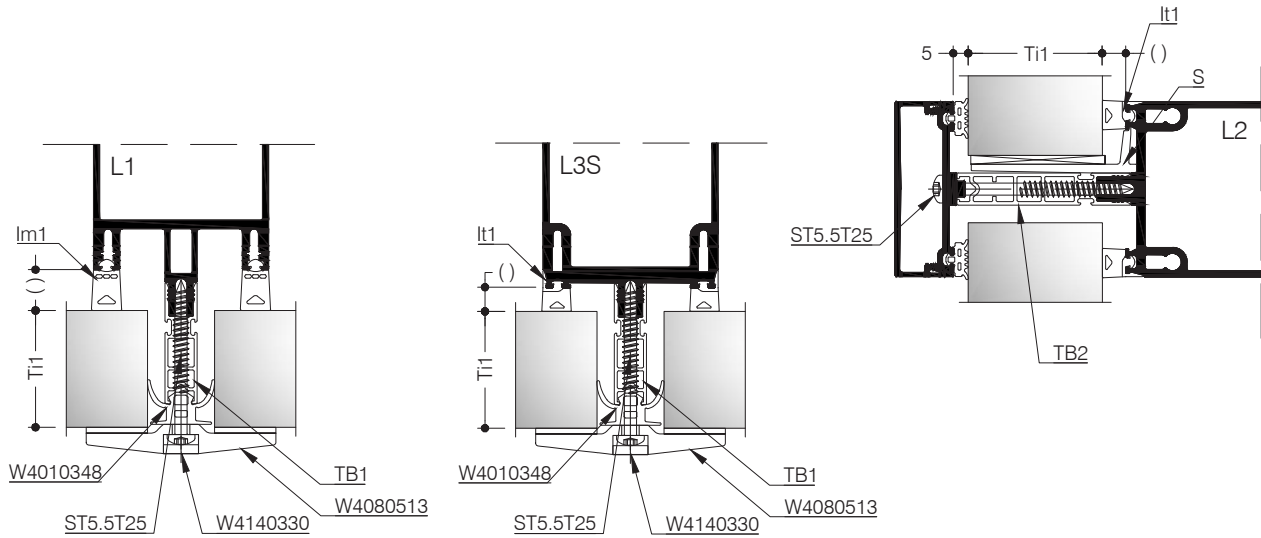
> 21 mm infill - EPDM gaskets



	Ti1	Im1	TB1	ST5.5T25	lt1	TB2	E	ST5.5T25	S	
22	W0190282 (14)	W0196058 (12)	W4070082 (35)	W0190288 (8)	W0196060 (24)	W4010349 W4010351	W4070083 (41) W4070092 (41)	W4080519 -		
24	W0190281 (12)			W0190287 (6)						
26	W0190280 (10)			W0190286 (4)						
28	W0190282 (14)	W0196059 (18)	W4070083 (41)	W0190288 (8)	W0196061 (30)				W4070084 (47)	W4080520
30	W0190281 (12)			W0190287 (6)					W4070093 (47)	W4080530
32	W0190280 (10)			W0190286 (4)						
34	W0190282 (14)	W0196060 (24)	W4070084 (47)	W0190288 (8)	W0196062 (36)				W4070085 (53)	W4080521
36	W0190281 (12)			W0190287 (6)					W4070094 (53)	W4080531
38	W0190280 (10)			W0190286 (4)						
40	W0190282 (14)	W0196061 (30)	W4070085 (53)	W0190288 (8)	W0196063 (42)	W4070086 (59)	W4080522			
42	W0190281 (12)			W0190287 (6)		W4070095 (59)	W4080532			
44	W0190280 (10)			W0190286 (4)						
46	W0190282 (14)	W0196062 (36)	W4070086 (59)	W0190288 (8)	W0196064 (48)	W4070087 (65)	W4080523			
48	W0190281 (12)			W0190287 (6)		W4070096 (65)	W4080533			
50	W0190280 (10)			W0190286 (4)						
52	W0190282 (14)	W0196063 (42)	W4070087 (65)	W0190288 (8)	W4030267 (54)	W4070088 (71)	-			
54	W0190281 (12)			W0190287 (6)		W4070097 (71)	W4080534			
56	W0190280 (10)			W0190286 (4)						
58	W0190282 (14)	W0196064 (48)	W4070088 (71)	W0190288 (8)	W4030268 (60)	W4070028 (77)	-			
60	W0190281 (12)			W0190287 (6)		W4070513 (77)	W4080535			
62	W0190280 (10)			W0190286 (4)						

Mullion-transom façade - Horizontal Line

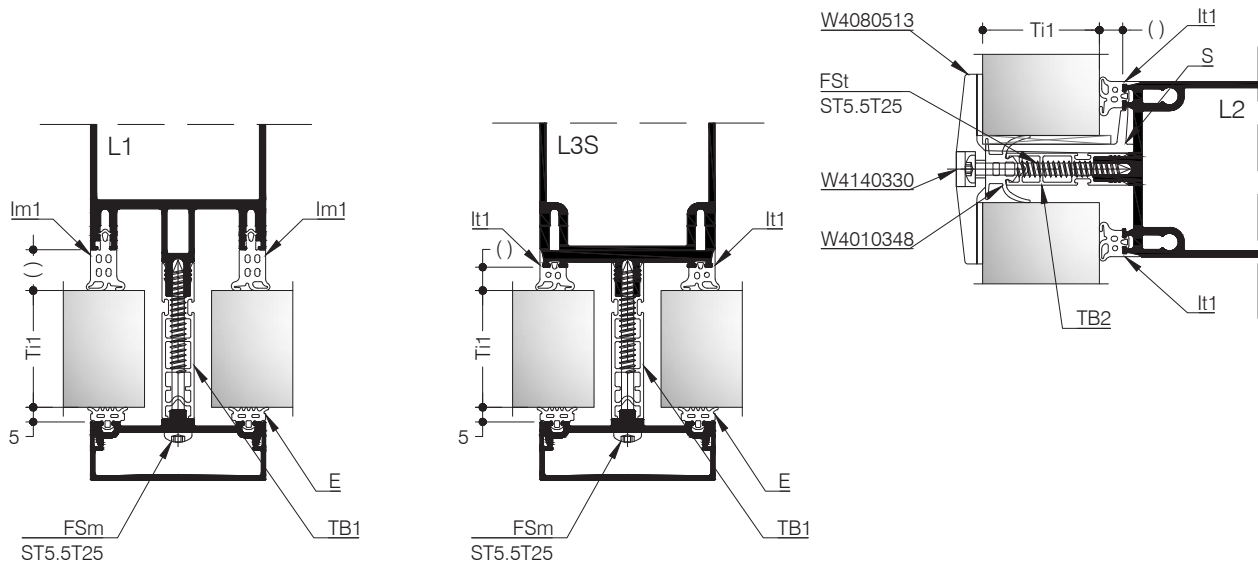
> 21 mm infill - EPDM foam gaskets



Ti1	Im	TB1	ST5.5T25	It1 It2	TB2	E	ST5.5T25	S	
22	W4010562 (14)	W0196058 (12)	W4070082 (35)	W4010568 (8)	W0196060 (24)	W4010349 W4010351	W4070083 (41)	W4080519	
24	W4010561 (12)			W4010567 (6)			W4070092 (41)	-	
26	W4010560 (10)			W4010566 (4)					
28	W4010562 (14)	W0196059 (18)	W4070083 (41)	W4010568 (8)	W0196061 (30)		W4070084 (47)	W4080520	
30	W4010561 (12)			W4010567 (6)			W4070093 (47)	W4080530	
32	W4010560 (10)			W4010566 (4)					
34	W4010562 (14)	W0196060 (24)	W4070084 (47)	W4010568 (8)	W0196062 (36)		W4070085 (53)	W4080521	
36	W4010561 (12)			W4010567 (6)			W4070094 (53)	W4080531	
38	W4010560 (10)			W4010566 (4)					
40	W4010562 (14)	W0196061 (30)	W4070085 (53)	W4010568 (8)	W0196063 (42)		W4070086 (59)	W4080522	
42	W4010561 (12)			W4010567 (6)		W4070095 (59)	W4080532		
44	W4010560 (10)			W4010566 (4)					
46	W4010562 (14)	W0196062 (36)	W4070086 (59)	W4010568 (8)	W0196064 (48)	W4070087 (65)	W4080523		
48	W4010561 (12)			W4010567 (6)		W4070096 (65)	W4080533		
50	W4010560 (10)			W4010566 (4)					
52	W4010562 (14)	W0196063 (42)	W4070087 (65)	W4010568 (8)	W4030267 (54)	W4070088 (71)	-		
54	W4010561 (12)			W4010567 (6)		W4070097 (71)	W4080534		
56	W4010560 (10)			W4010566 (4)					
58	W4010562 (14)	W0196064 (48)	W4070088 (71)	W4010568 (8)	W4030268 (60)	W4070028 (77)	-		
60	W4010561 (12)			W4010567 (6)		W4070513 (77)	W4080535		
62	W4010560 (10)			W4010566 (4)					

Mullion-transom façade - Vertical Line

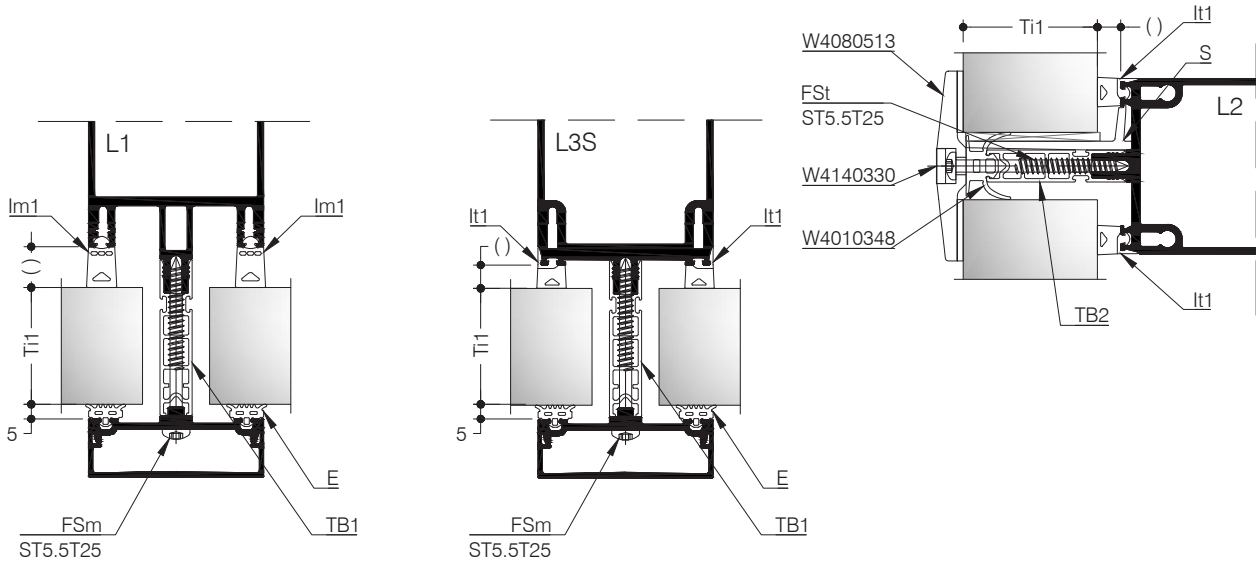
> 21 mm infill - EPDM gaskets



	Ti1	Im1	TB1	E	FSm	It1	TB2	FSt	S
22 24 26		W0190282 (14) W0190281 (12) W0190280 (10)	W0196060 (24)	W4010349 W4010351	W4070083 (41) W4070092 (41)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196058 (12)	W4070082 (35)	W4080519 -
28 30 32		W0190282 (14) W0190281 (12) W0190280 (10)	W0196061 (30)		W4070084 (47) W4070093 (47)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196059 (18)	W4070083 (41)	W4080520 W4080530
34 36 38		W0190282 (14) W0190281 (12) W0190280 (10)	W0196062 (36)		W4070085 (53) W4070094 (53)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196060 (24)	W4070084 (47)	W4080521 W4080531
40 42 44		W0190282 (14) W0190281 (12) W0190280 (10)	W0196063 (42)		W4070086 (59) W4070095 (59)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196061 (30)	W4070085 (53)	W4080522 W4080532
46 48 50		W0190282 (14) W0190281 (12) W0190280 (10)	W0196064 (48)		W4070087 (65) W4070096 (65)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196062 (36)	W4070086 (59)	W4080523 W4080533
52 54 56		W0190282 (14) W0190281 (12) W0190280 (10)	W4030267 (54)		W4070088 (71) W4070097 (71)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196063 (42)	W4070087 (65)	- W4080534
58 60 62		W0190282 (14) W0190281 (12) W0190280 (10)	W4030268 (60)		W4070028 (77) W4070513 (77)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196064 (48)	W4070088 (71)	- W4080535

Mullion-transom façade - Vertical Line

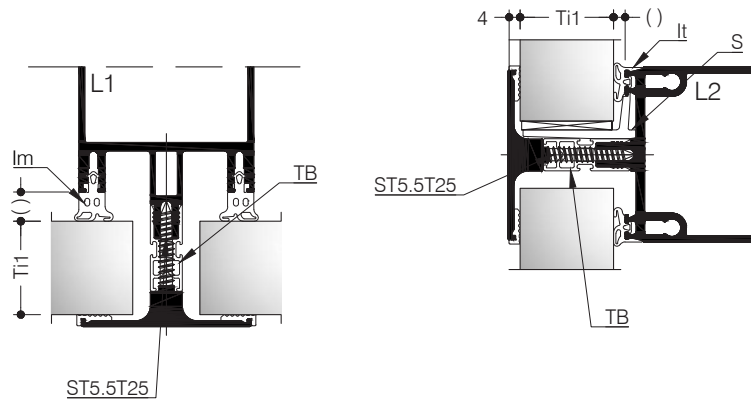
> 21 mm infill - EPDM foam gaskets



	Ti1	Im	TB1	E	FSm	It1 It2	TB2	FSt	S	
22	W4010562 (14)	W0196060 (24)	W4010349 W4010351	W4070083 (41) W4070092 (41)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196058 (12)	W4070082 (35)	W4080519	-	
24	W4010561 (12)									
26	W4010560 (10)									
28	W4010562 (14)	W0196061 (30)		W4010349 W4010351	W4070084 (47) W4070093 (47)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196059 (18)	W4070083 (41)	W4080520 W4080530	
30	W4010561 (12)									
32	W4010560 (10)									
34	W4010562 (14)	W0196062 (36)			W4010349 W4010351	W4070085 (53) W4070094 (53)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196060 (24)	W4070084 (47)	W4080521 W4080531
36	W4010561 (12)									
38	W4010560 (10)									
40	W4010562 (14)	W0196063 (42)				W4010349 W4010351	W4070086 (59) W4070095 (59)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196061 (30)	W4070085 (53)
42	W4010561 (12)									
44	W4010560 (10)									
46	W4010562 (14)	W0196064 (48)	W4010349 W4010351				W4070087 (65) W4070096 (65)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196062 (36)	W4070086 (59)
48	W4010561 (12)									
50	W4010560 (10)									
52	W4010562 (14)	W4030267 (54)		W4010349 W4010351			W4070088 (71) W4070097 (71)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196063 (42)	W4070087 (65)
54	W4010561 (12)									
56	W4010560 (10)									
58	W4010562 (14)	W4030268 (60)			W4010349 W4010351		W4070028 (77) W4070513 (77)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196064 (48)	W4070088 (71)
60	W4010561 (12)									
62	W4010560 (10)									

Mullion-transom façade - SG design

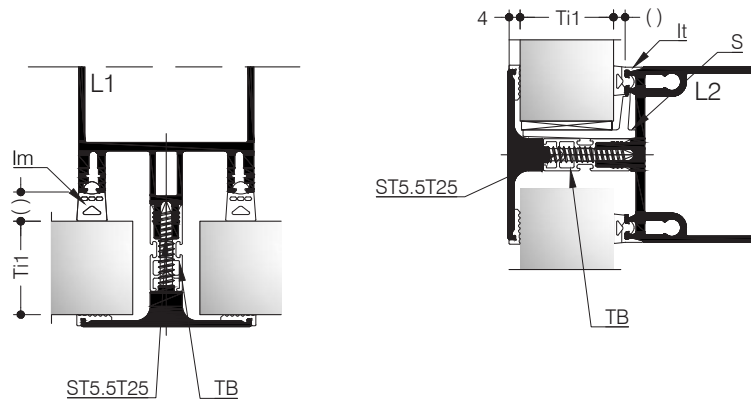
> 21 mm infill - EPDM gaskets



	Im	lt	TB	ST5.5T25	S
22	W0190282 (14)	W0190288 (8)			
24	W0190281 (12)	W0190287 (6)	W0196058 (12)	W4070090	W4080519
26	W0190280 (10)	W0190286 (4)			-
28	W0190282 (14)	W0190288 (8)			
30	W0190281 (12)	W0190287 (6)	W0196059 (18)	W4070091	W4080520
32	W0190280 (10)	W0190286 (4)			W4080530
34	W0190282 (14)	W0190288 (8)			
36	W0190281 (12)	W0190287 (6)	W0196060 (24)	W4070092	W4080521
38	W0190280 (10)	W0190286 (4)			W4080531
40	W0190282 (14)	W0190288 (8)			
42	W0190281 (12)	W0190287 (6)	W0196061 (30)	W4070093	W4080522
44	W0190280 (10)	W0190286 (4)			W4080532
46	W0190282 (14)	W0190288 (8)			
48	W0190281 (12)	W0190287 (6)	W0196062 (36)	W4070094	W4080523
50	W0190280 (10)	W0190286 (4)			W4080533
52	W0190282 (14)	W0190288 (8)			
54	W0190281 (12)	W0190287 (6)	W0196063 (42)	W4070095	-
56	W0190280 (10)	W0190286 (4)			W4080534
58	W0190282 (14)	W0190288 (8)			
60	W0190281 (12)	W0190287 (6)	W0196064 (48)	W4070096	-
62	W0190280 (10)	W0190286 (4)			W4080535

Mullion-transom façade - SG design

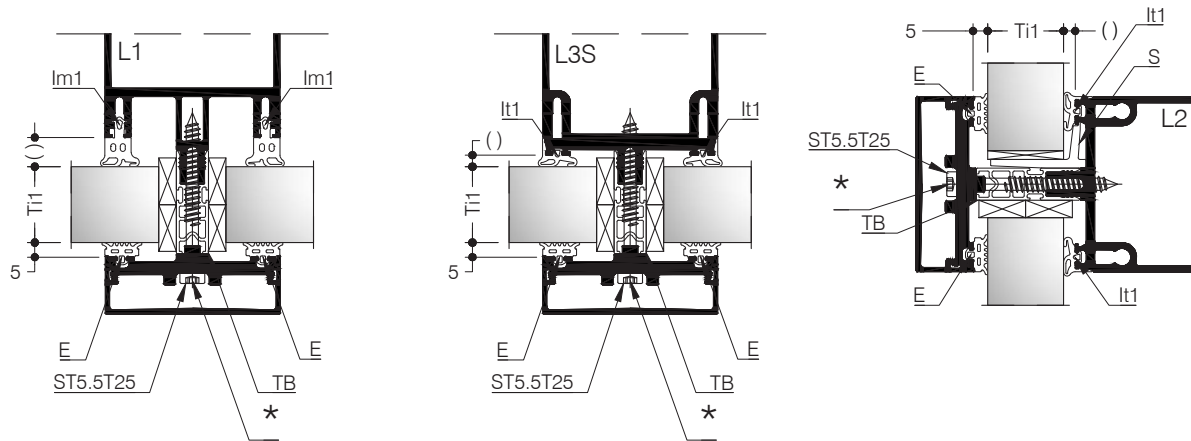
> 21 mm infill - EPDM foam gaskets



Ti1	Im	lt	TB	ST5.5T25	S
22	W4010562 (14)	W4010568 (8)	W0196058 (12)	W4070090	W4080519
24	W4010561 (12)	W4010567 (6)			-
26	W4010560 (10)	W4010566 (4)			-
28	W4010562 (14)	W4010568 (8)	W0196059 (18)	W4070091	W4080520
30	W4010561 (12)	W4010567 (6)			W4080530
32	W4010560 (10)	W4010566 (4)			-
34	W4010562 (14)	W4010568 (8)	W0196060 (24)	W4070092	W4080521
36	W4010561 (12)	W4010567 (6)			W4080531
38	W4010560 (10)	W4010566 (4)			-
40	W4010562 (14)	W4010568 (8)	W0196061 (30)	W4070093	W4080522
42	W4010561 (12)	W4010567 (6)			W4080532
44	W4010560 (10)	W4010566 (4)			-
46	W4010562 (14)	W4010568 (8)	W0196062 (36)	W4070094	W4080523
48	W4010561 (12)	W4010567 (6)			W4080533
50	W4010560 (10)	W4010566 (4)			-
52	W4010562 (14)	W4010568 (8)	W0196063 (42)	W4070095	-
54	W4010561 (12)	W4010567 (6)			W4080534
56	W4010560 (10)	W4010566 (4)			-
58	W4010562 (14)	W4010568 (8)	W0196064 (48)	W4070096	-
60	W4010561 (12)	W4010567 (6)			W4080535
62	W4010560 (10)	W4010566 (4)			-

Mullion-transom façade - Anti-burglary

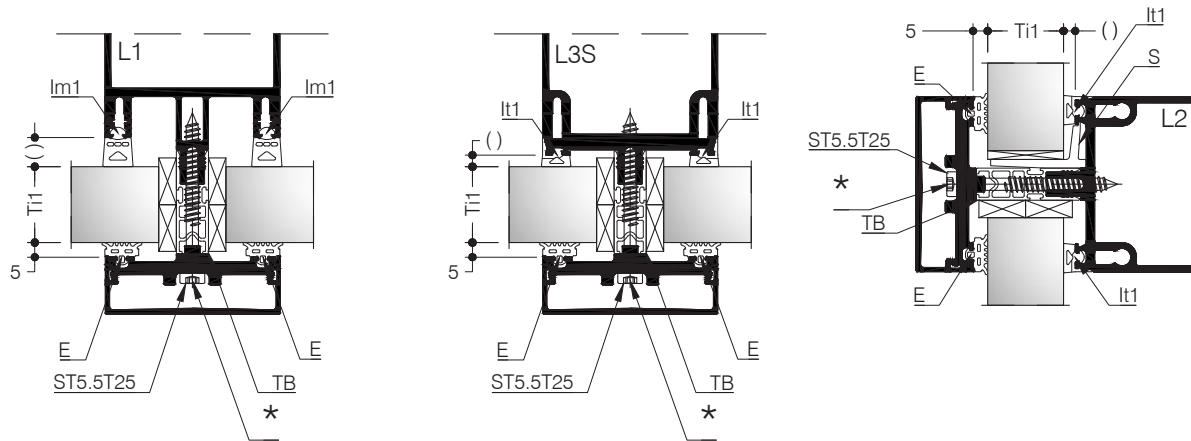
Resistance class RC2 - > 21 mm infill - - EPDM gaskets



	Ti1	lm1	lt1	TB	E	ST5.5T25	S
22 24 26				W0196060 (24)		W4070249 (55)	W4080519 -
28 30 32				W0196061 (30)		W4070508 (61)	W4080520 W4080530
34 36 38	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196062 (36)	W4010349 (5) W4010351 (5)		W4070509 (67)	W4080521 W4080531
40 42 44			W0196063 (42)			W4070133 (73)	W4080522 W4080532
46 48 50			W0196064 (48)			W4070134 (79)	W4080523 W4080533

Mullion-transom façade - Anti-burglary

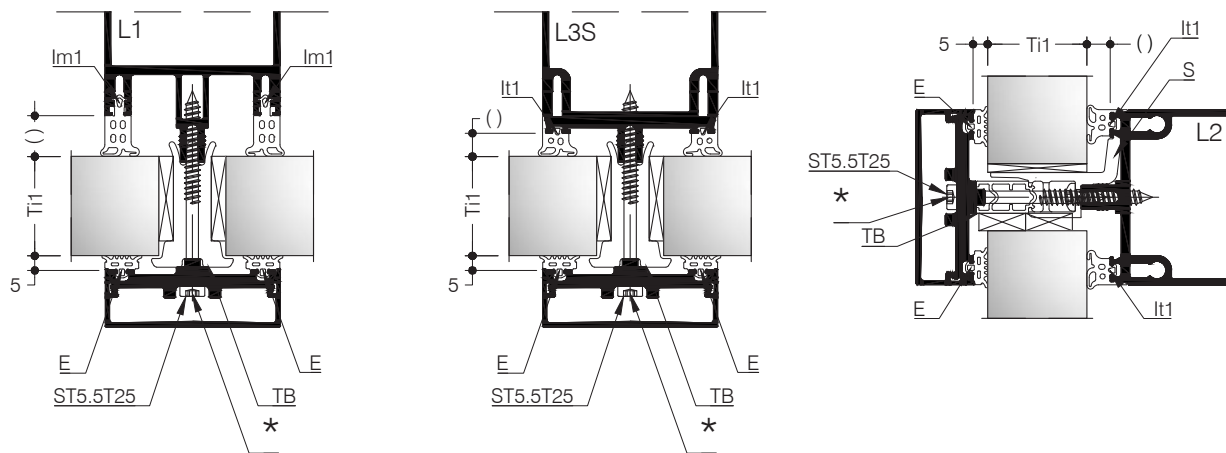
Resistance class RC2 - > 21 mm infill - - EPDM foam gaskets



	Ti1	lm1	It1	TB	E	ST5.5T25
22 24 26			W0196060 (24)			W4070249 (55)
28 30 32			W0196061 (30)			W4070508 (61)
34 36 38	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)	W0196062 (36)	W4010349 (5) W4010351 (5)		W4070509 (67)
40 42 44			W0196063 (42)			W4070133 (73)
46 48 50			W0196064 (48)			W4070134 (79)
						W4080519 - W4080520 W4080530 W4080521 W4080531 W4080522 W4080532 W4080523 W4080533

Mullion-transom façade - Anti-burglary

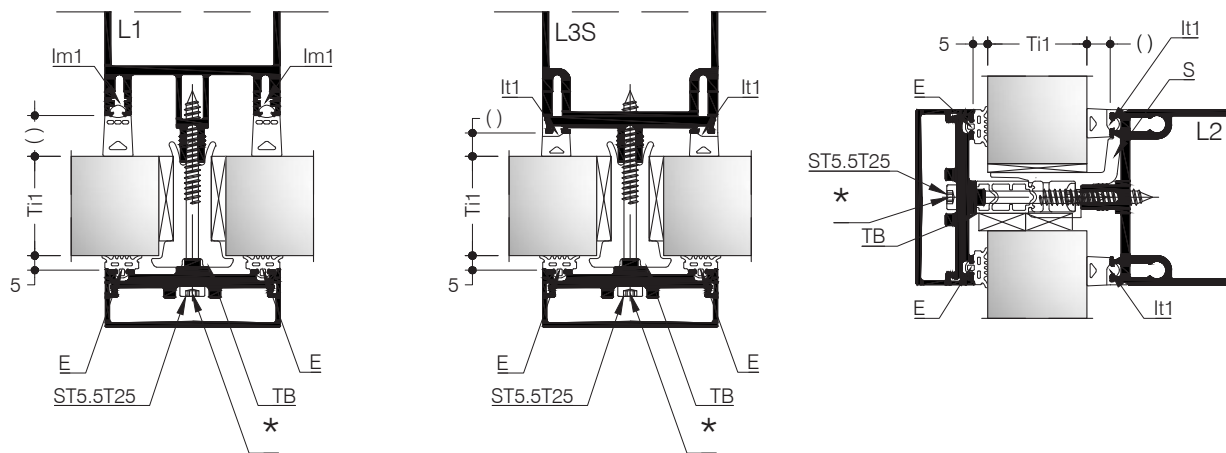
Resistance class RC2-HI - > 28 mm infill - - EPDM gaskets



	Ti1	Im1	It1	TB	E	ST5.5T25	S
28 30 32				W0196153 (30)		W4070508 (61)	W4080530
34 36 38	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196154 (36)	W4010349 (5) W4010351 (5)		W4070509 (67)	W4080531
40 42 44			W4090105 (42)			W4070133 (73)	W4080532
46 48 50			W4090069 (48)			W4070134 (79)	W4080533

Mullion-transom façade - Anti-burglary

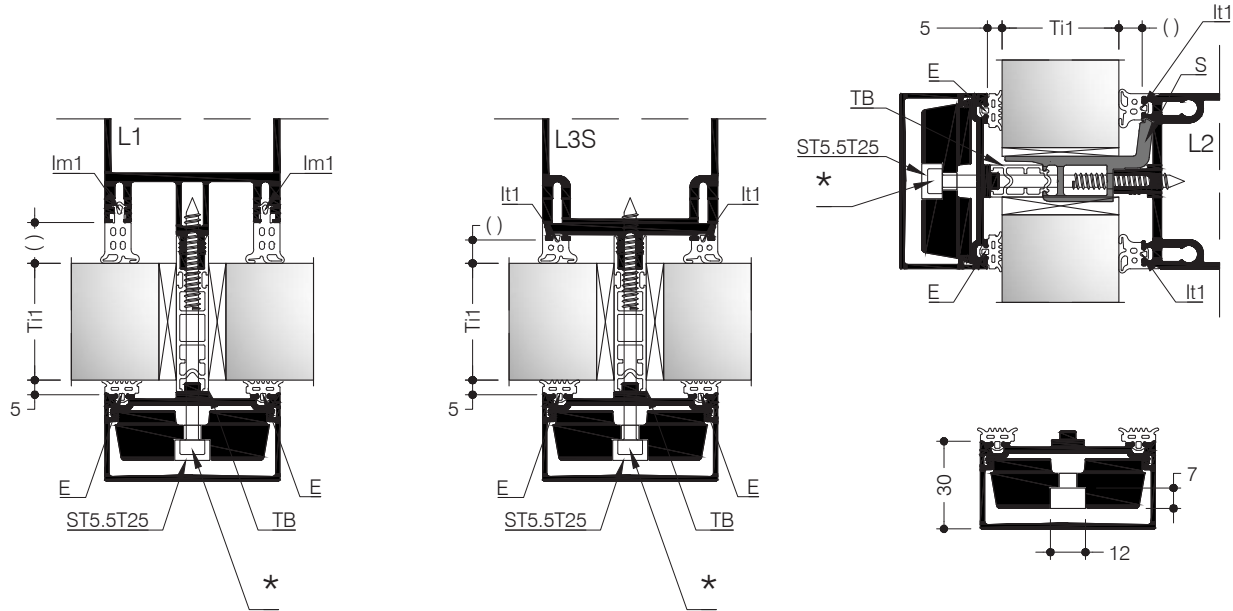
Resistance class RC2-HI - > 28 mm infill - - EPDM foam gaskets



	Ti1	Im1	It1	TB	E	ST5.5T25	S
28 30 32				W0196153 (30)		W4070508 (61)	W4080530
34 36 38	W4010562 (14) W4010561 (12) W4010560 (10)	W4010568 (8) W4010567 (6) W4010566 (4)		W0196154 (36)	W4010349 (5) W4010351 (5)	W4070509 (67)	W4080531
40 42 44				W4090105 (42)		W4070133 (73)	W4080532
46 48 50				W4090069 (48)		W4070134 (79)	W4080533

Mullion-transom façade - Anti-burglary

Resistance class RC3 - > 21 mm infill - - EPDM gaskets

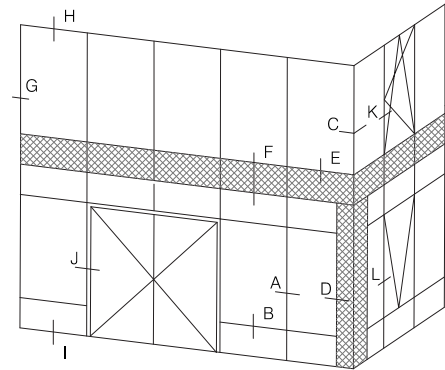
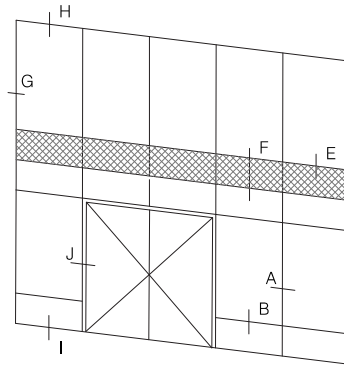


Ti1	lm1	lt1	TB	E	ST5.5T25	S	ST5.5T25
22 24 26	W0190282 (14) W0190281 (12) W0190280 (10)	W0190288 (8) W0190287 (6) W0190286 (4)	W0196060 (24)	W4010349 (5) W4010351 (5)	W4070085 W4070094 (53)	W4080519 -	W4070087 W4070096 (65)
28 30 32			W0196061 (30)		W4070086 W4070095 (59)	W4080520 W4080530	W4070088 W4070097 (71)
34 36 38			W0196062 (36)		W4070087 W4070096 (65)	W4080521 W4080531	W4070028 W4070513 (77)
40 42 44			W0196063 (42)		W4070088 W4070097 (71)	W4080522 W4080532	W4070029 W4070142 (83)
46 48 50			W0196064 (48)		W4070028 W4070513 (77)	W4080523 W4080533	ST6.3 x 90 --- with cross recess
52 54 56			W4030267 (54)		W4070029 W4070142 (83)	--- W4080534	ST6.3 x 100 --- with cross recess

	Page
Survey of construction sections	7.2
<i>Stick construction</i>	7.2
Mullion-transom façade - Capped	7.3
<i>Mullion section</i>	7.3
<i>Mullion section</i>	7.4
Mullion-transom façade - Facets and corners	7.5
<i>Mullion section</i>	7.5
Mullion-transom façade - Panels	7.8
Mullion-transom façade - Building connections	7.9
<i>Jamb section</i>	7.10
<i>Head section</i>	7.11
Mullion-transom façade - Openings	7.12
<i>Mullion-door section</i>	7.12
<i>Mullion-window section</i>	7.14
Mullion-transom façade - Horizontal Line	7.18
<i>Mullion section</i>	7.18
Mullion-transom façade - SG design	7.19
<i>Mullion section</i>	7.19
Mullion-transom façade - Anti-burglary	7.20
<i>Mullion cross section</i>	7.20
<i>Mullion section</i>	7.21

Survey of construction sections

Stick construction



Gd	
A	DIG-000025
B	DIG-000019
C	DIG-000027
D	DIG-000020
E	DIG-000022
F	DIG-000031
G	DIG-000032 DIG-000033
H	DIG-000082
I	DIG-000083
J	DIG-000016 DIG-000009
K	DIG-000012 DIG-000084 DIG-000081
L	DIG-000067

HL	
A	DIG-000074
B	DIG-000073

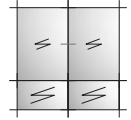
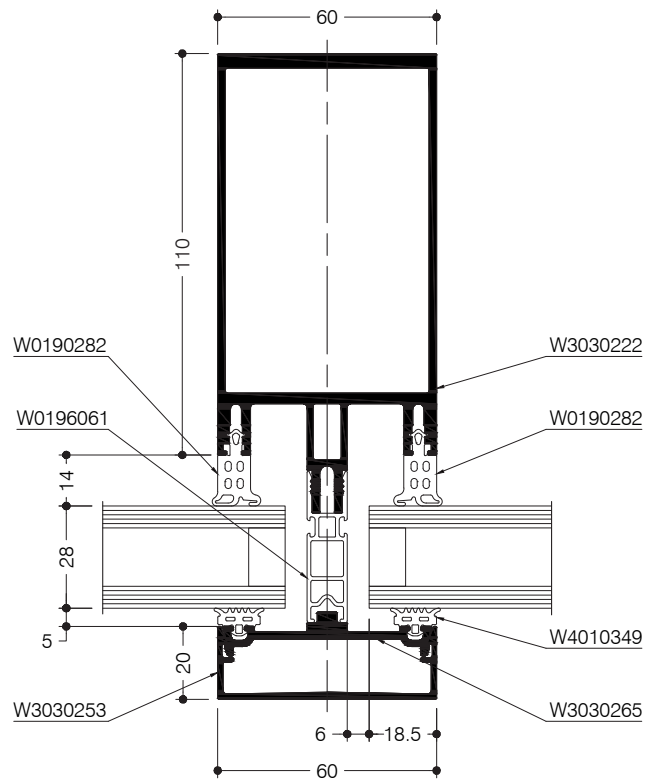
SGD	
A	DIG-000072
B	DIG-000071

RC2	
A	DIG-000065
B	DIG-000064

RC3	
A	DIG-000063
B	DIG-000062

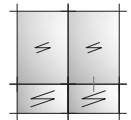
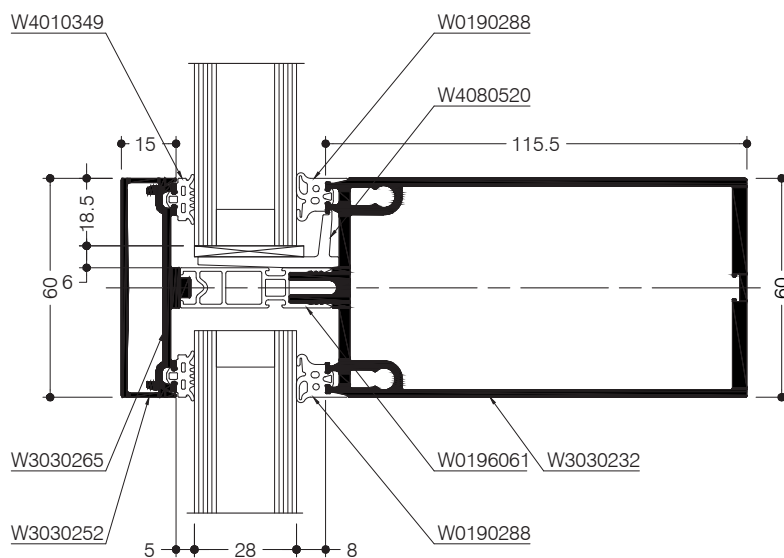
Gt	
A	DIG-000018
B	DIG-000035
J	DIG-000043 DIG-000094
K	DIG-000093 DIG-000092
L	DIG-000091

Mullion-transom façade - Capped Mullion section - with fixed double glazing



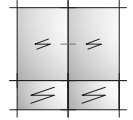
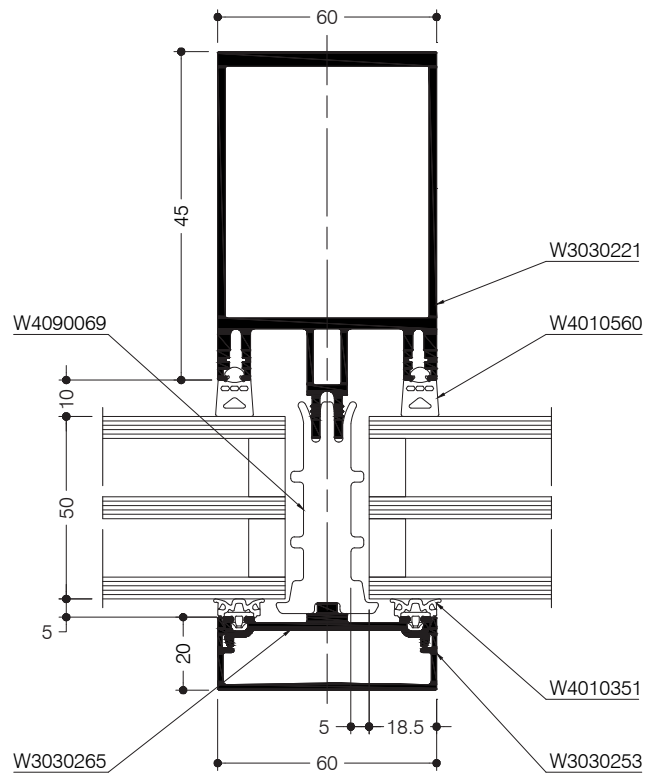
DIG-000025 Rev. A

Mullion-transom façade - Capped Transom section - with fixed double glazing



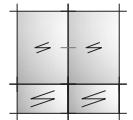
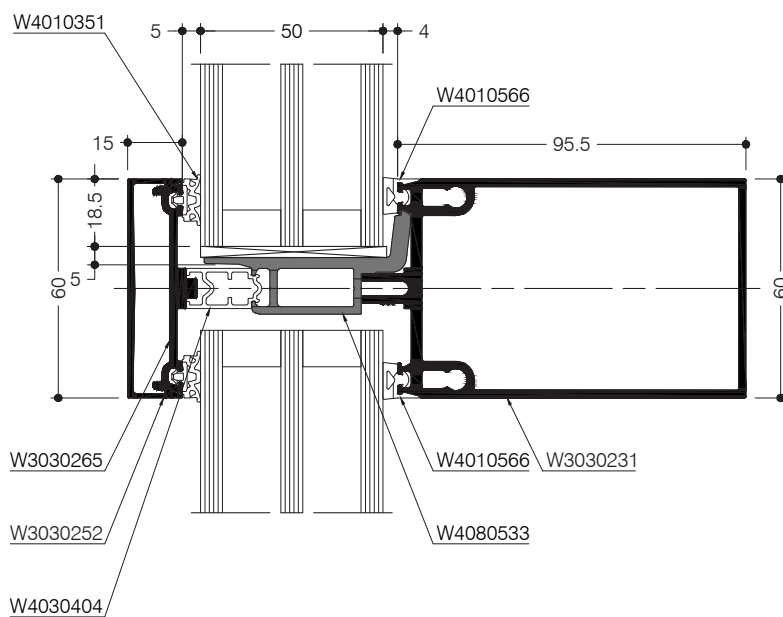
DIG-000019 Rev. A

Mullion-transom façade - Capped Mullion section - with fixed triple glazing



DIG-000018 Rev. A

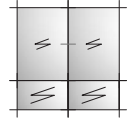
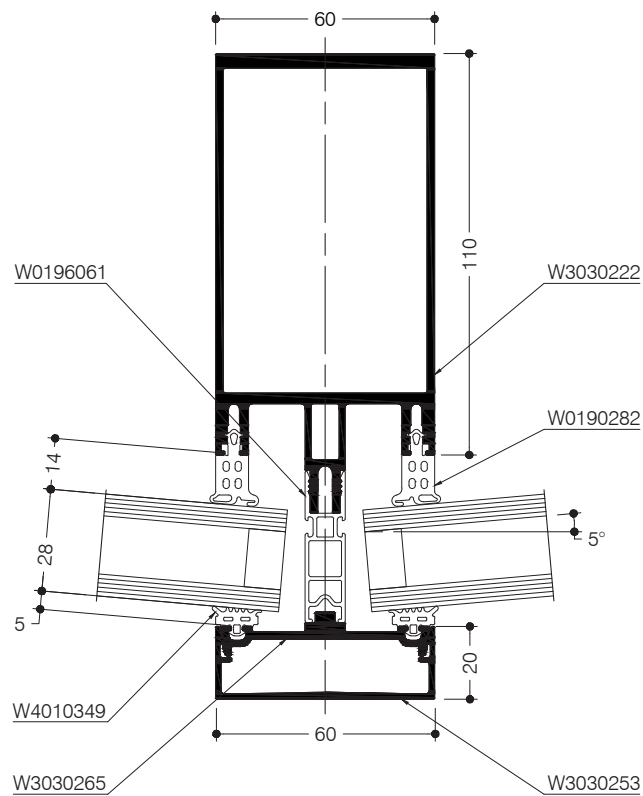
Mullion-transom façade - Capped Transom section - with fixed triple glazing



DIG-000035 Rev. A

Mullion-transom façade - Facets and corners

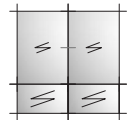
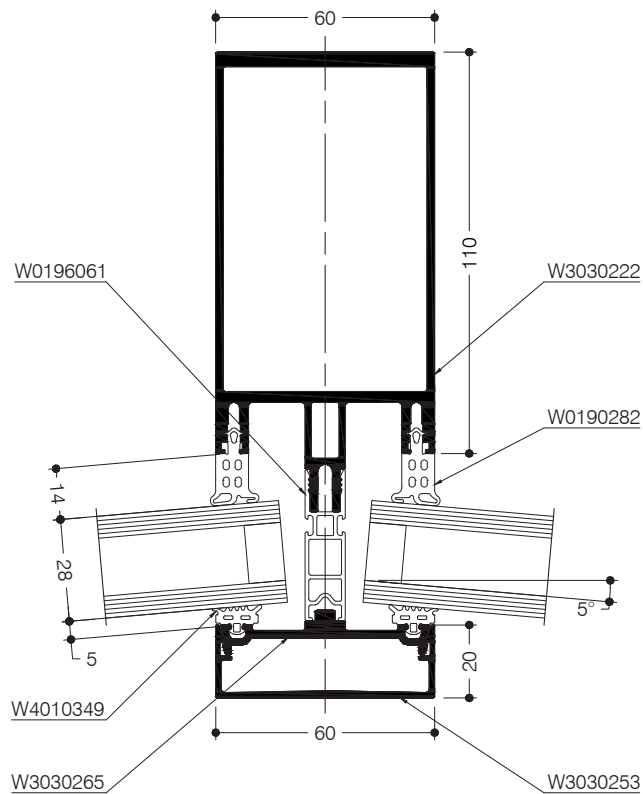
Mullion section - with 5 degree convex facet



DIG-000028 Rev. A

Mullion-transom façade - Facets and corners

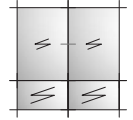
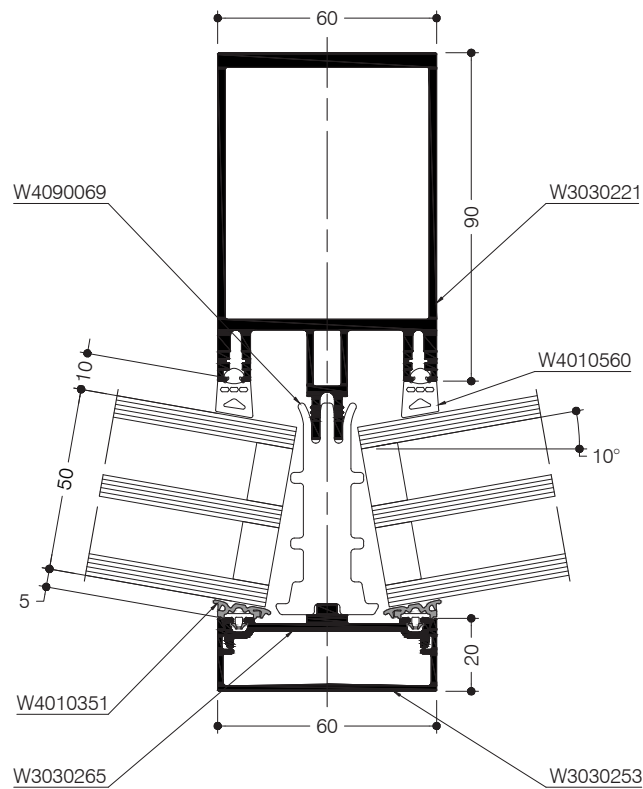
Mullion section - with 5 degree concave facet



DIG-000024 Rev. A

Mullion-transom façade - Facets and corners

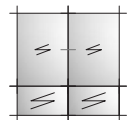
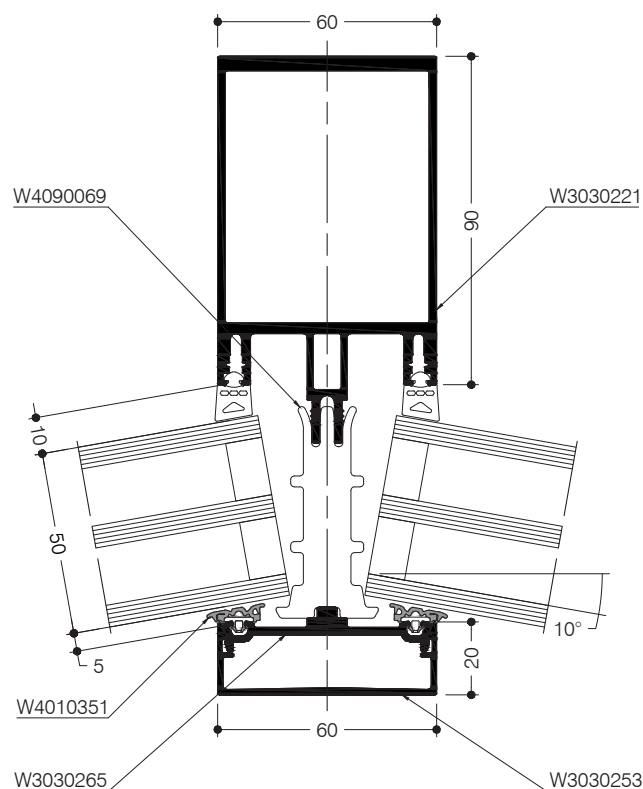
Mullion section - with 10 degree convex facet



DIG-000038 Rev. A

Mullion-transom façade - Facets and corners

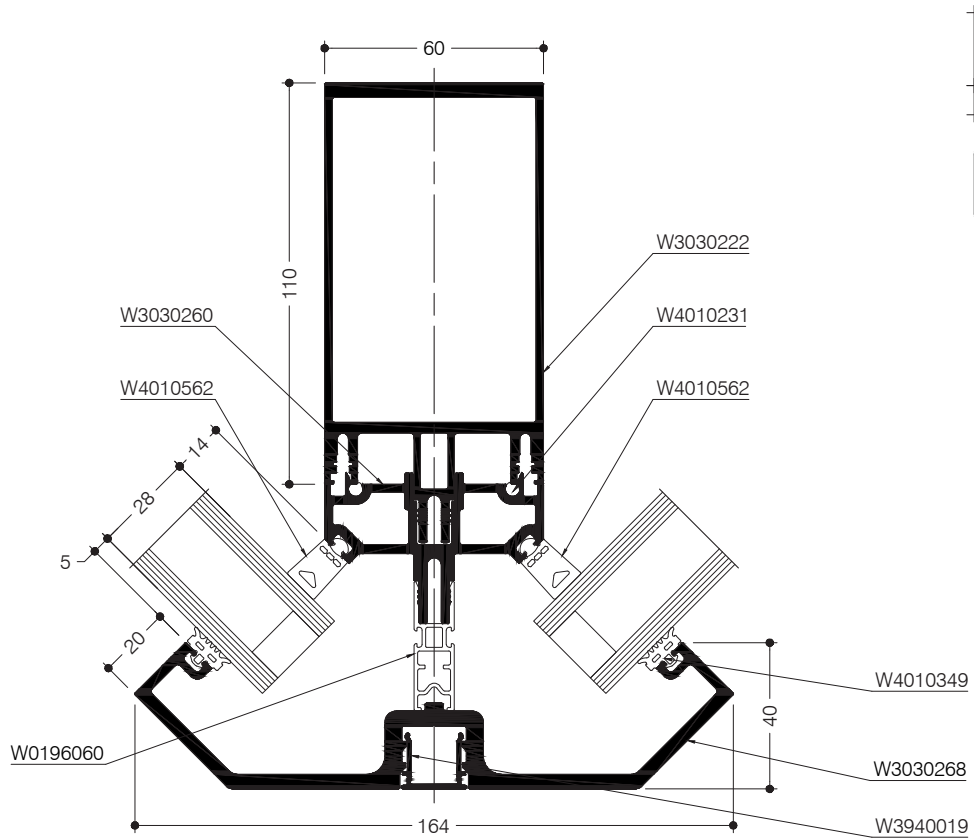
Mullion section - with 10 degree concave facet



DIG-000041 Rev. A

Mullion-transom façade - Facets and corners

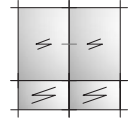
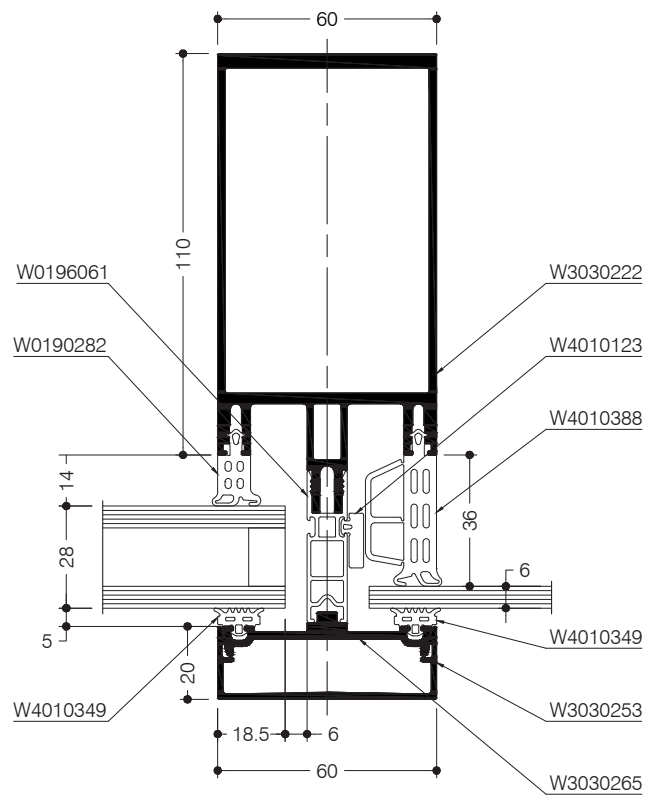
Mullion section - with 90 degree corner



DIG-000027 Rev. A

Mullion-transom façade - Panels

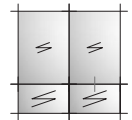
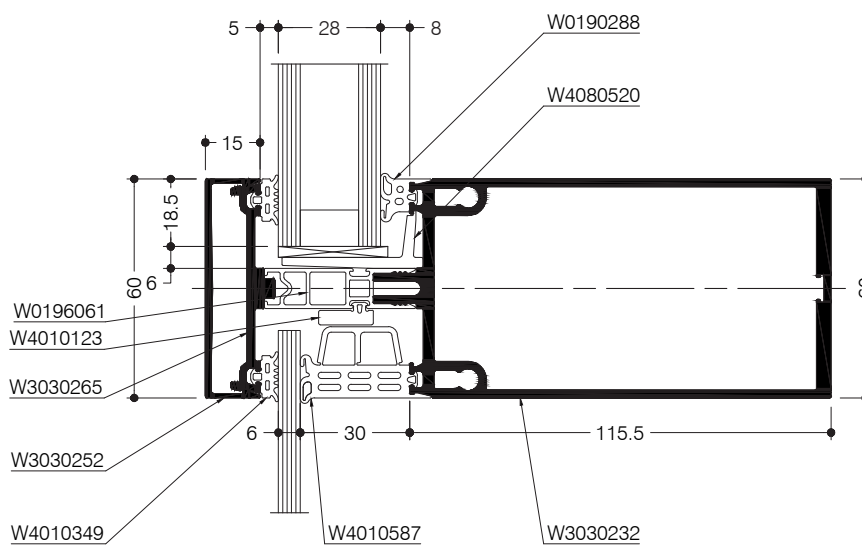
Mullion section - with spandrel panel



DIG-000020 Rev. A

Mullion-transom façade - Panels

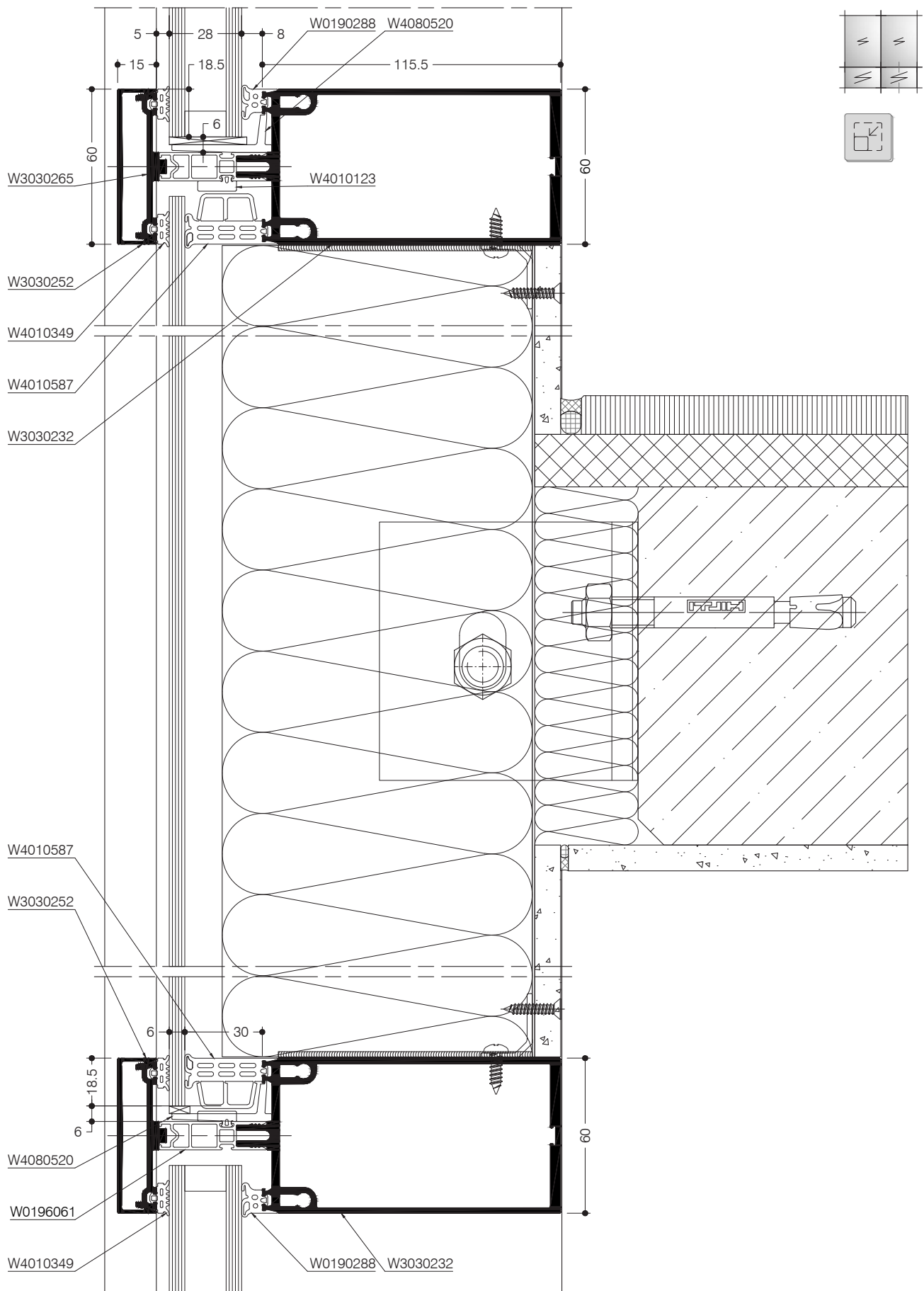
Transom section - with spandrel panel



DIG-000022 Rev. A

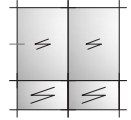
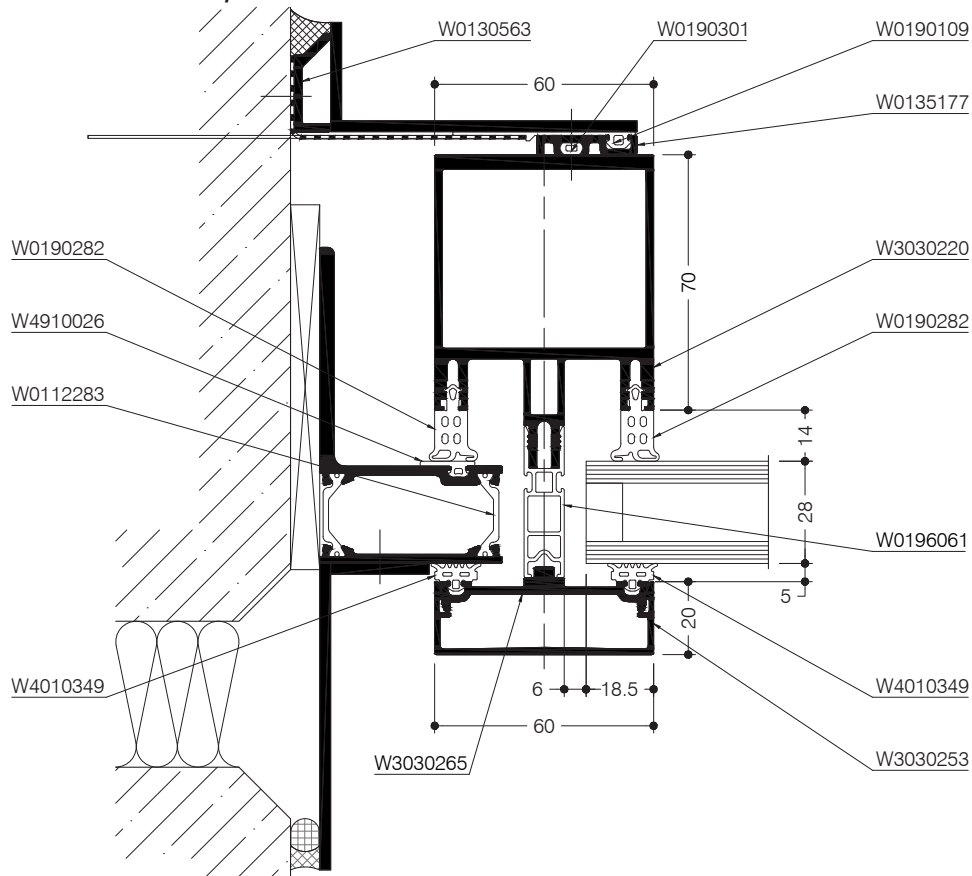
Mullion-transom façade - Building connections

Transom section - through floor slab



Mullion-transom façade - Building connections

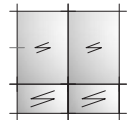
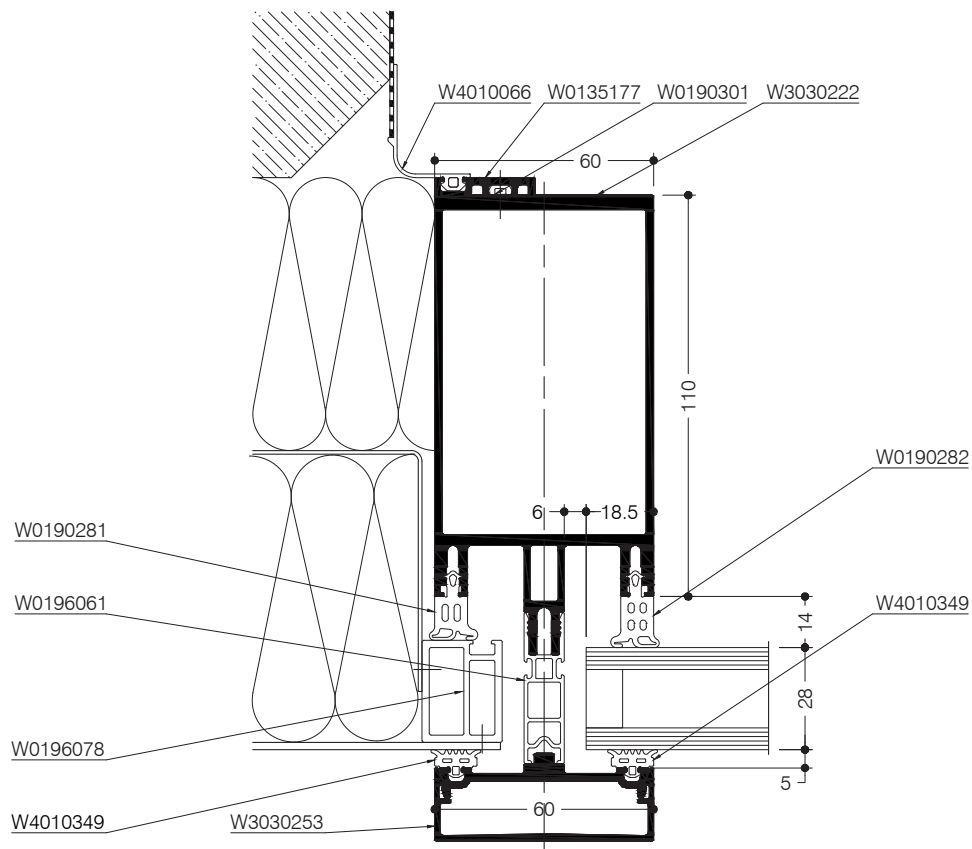
Jamb section - with wall profile



DIG-0000032 Rev. A

Mullion-transom façade - Building connections

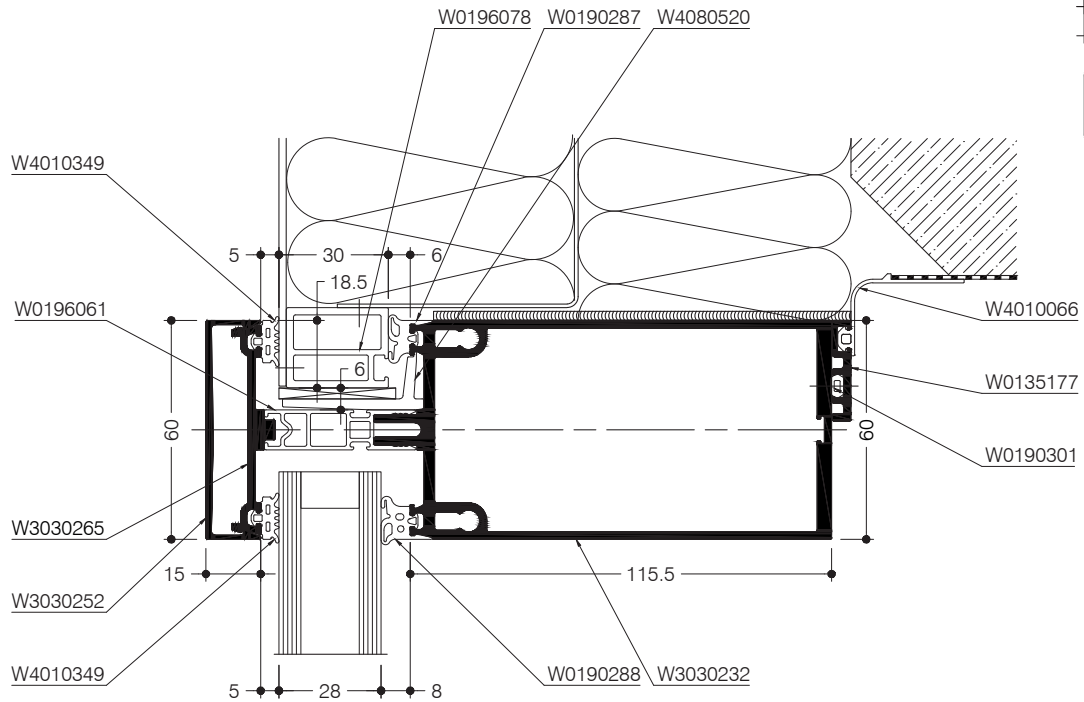
Jamb section - with perimeter membranes



DIG-0000033 Rev. A

Mullion-transom façade - Building connections

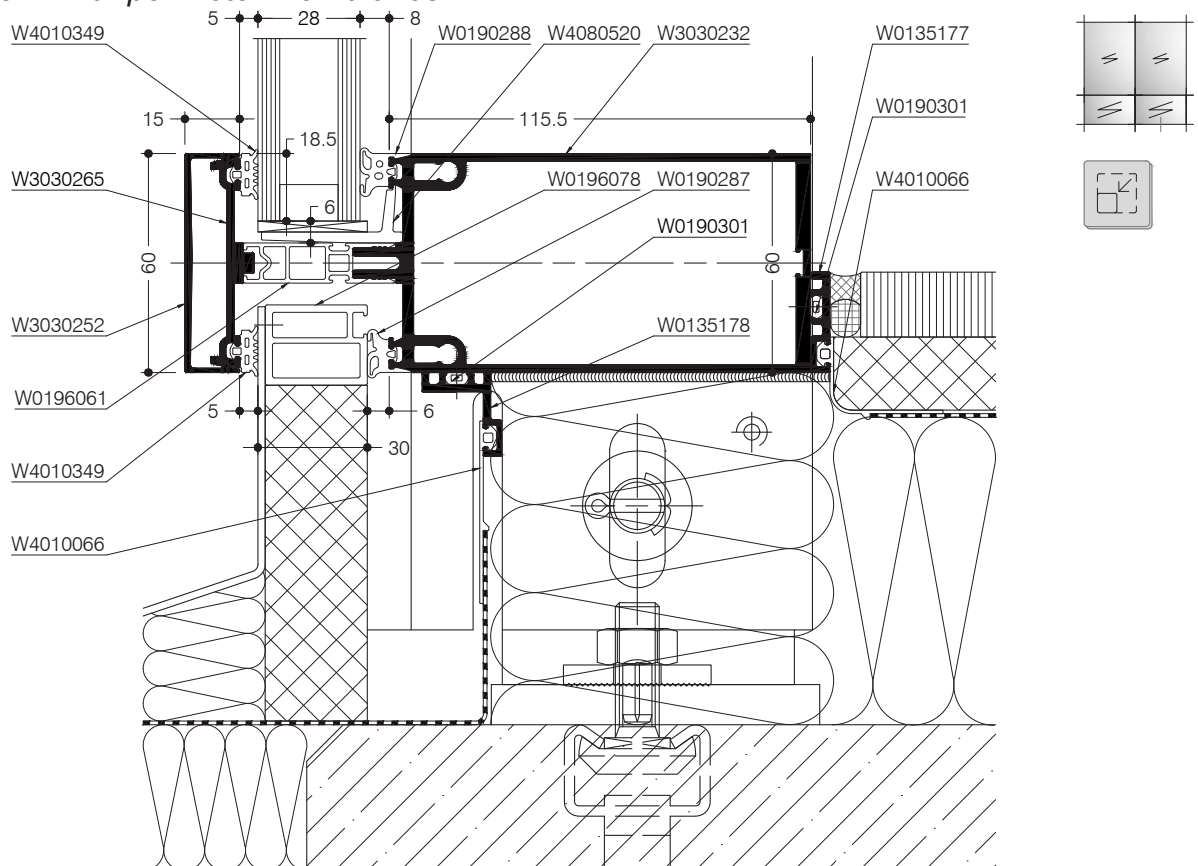
Head section - with perimeter membranes



DIG-000082 Rev. A

Mullion-transom façade - Building connections

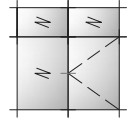
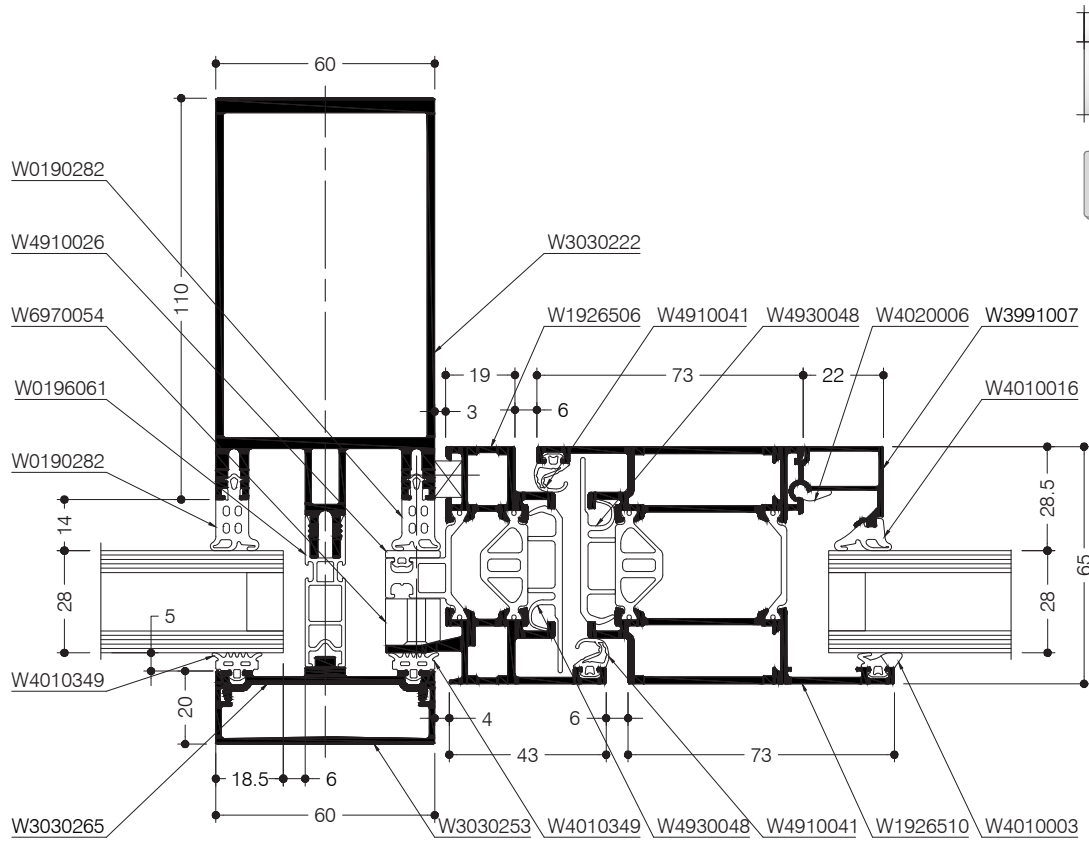
Cill section - with perimeter membranes



DIG-000083 Rev. A

Mullion-transom façade - Openings

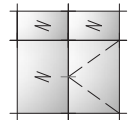
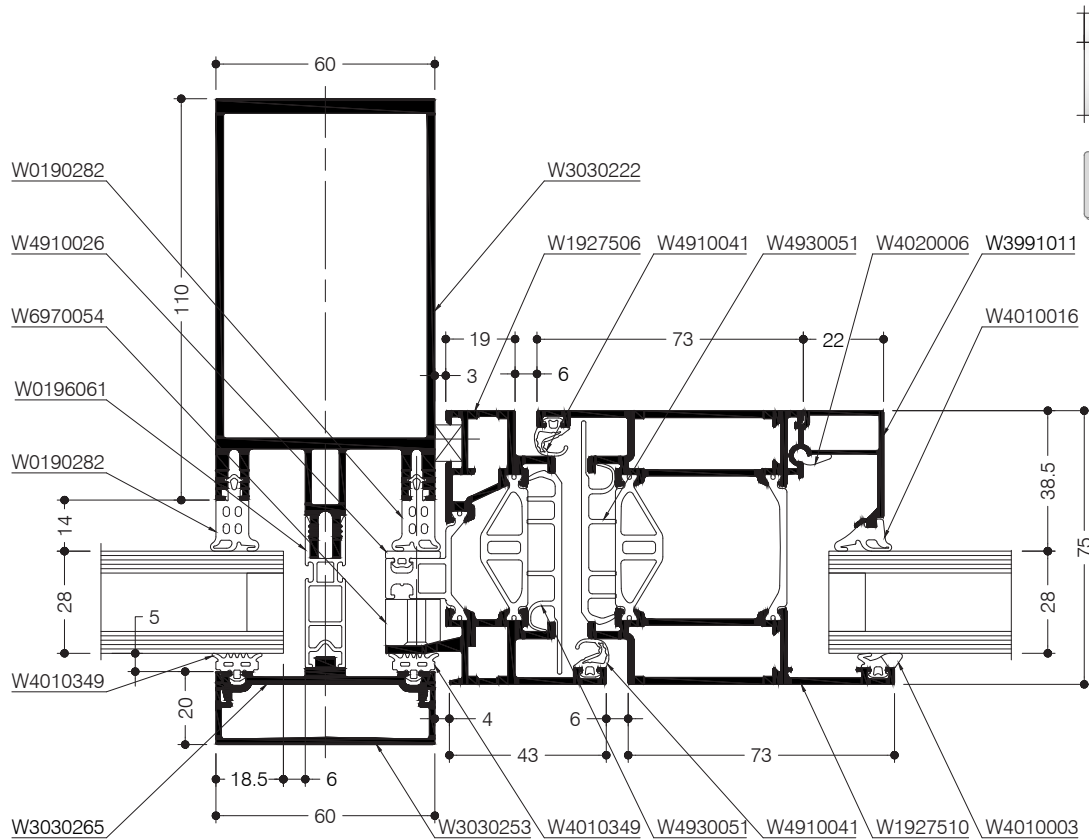
Mullion-door section - with WICSTYLE 65 open-in door



DIG-000016 Rev. A

Mullion-transom façade - Openings

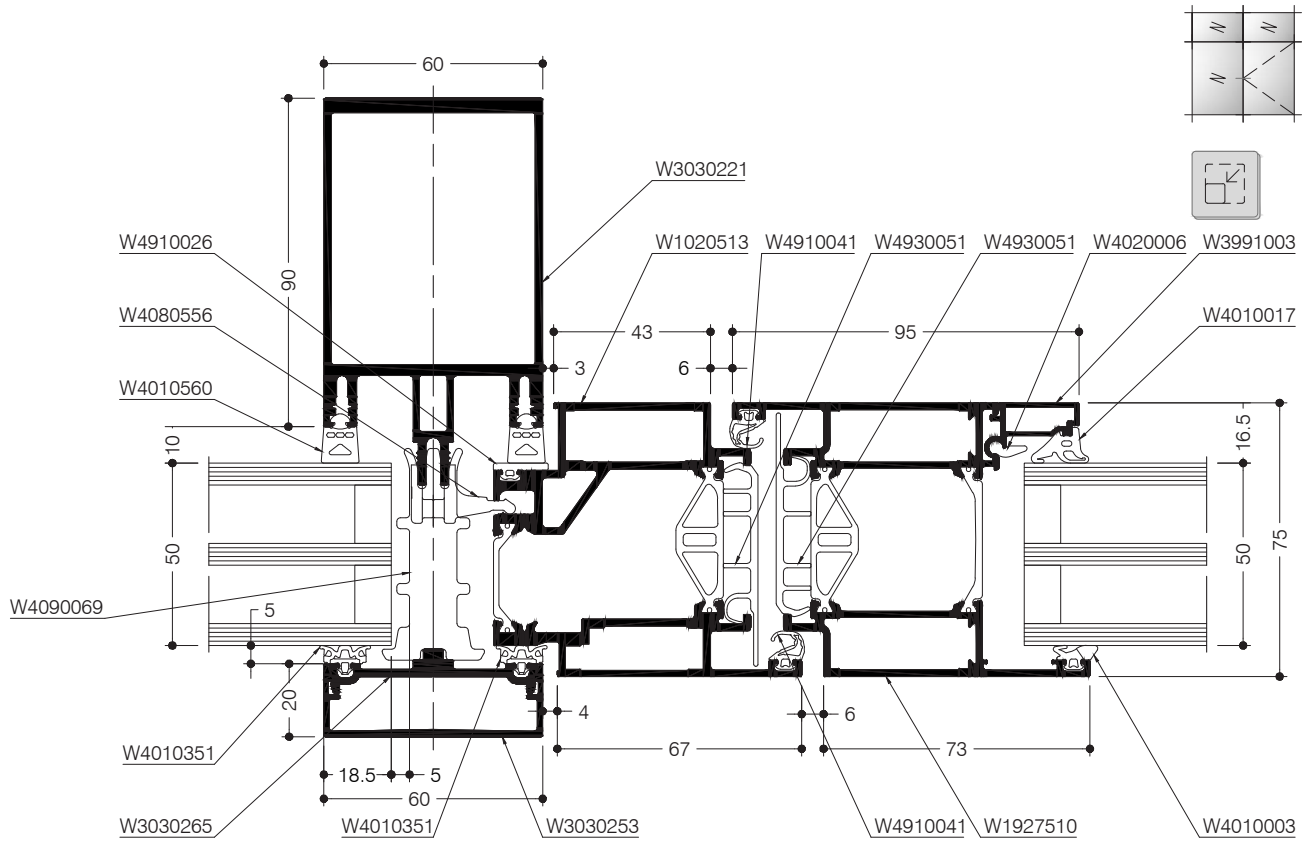
Mullion-door section - with WICSTYLE 75 open-in door



DIG-000009 Rev. A

Mullion-transom façade - Openings

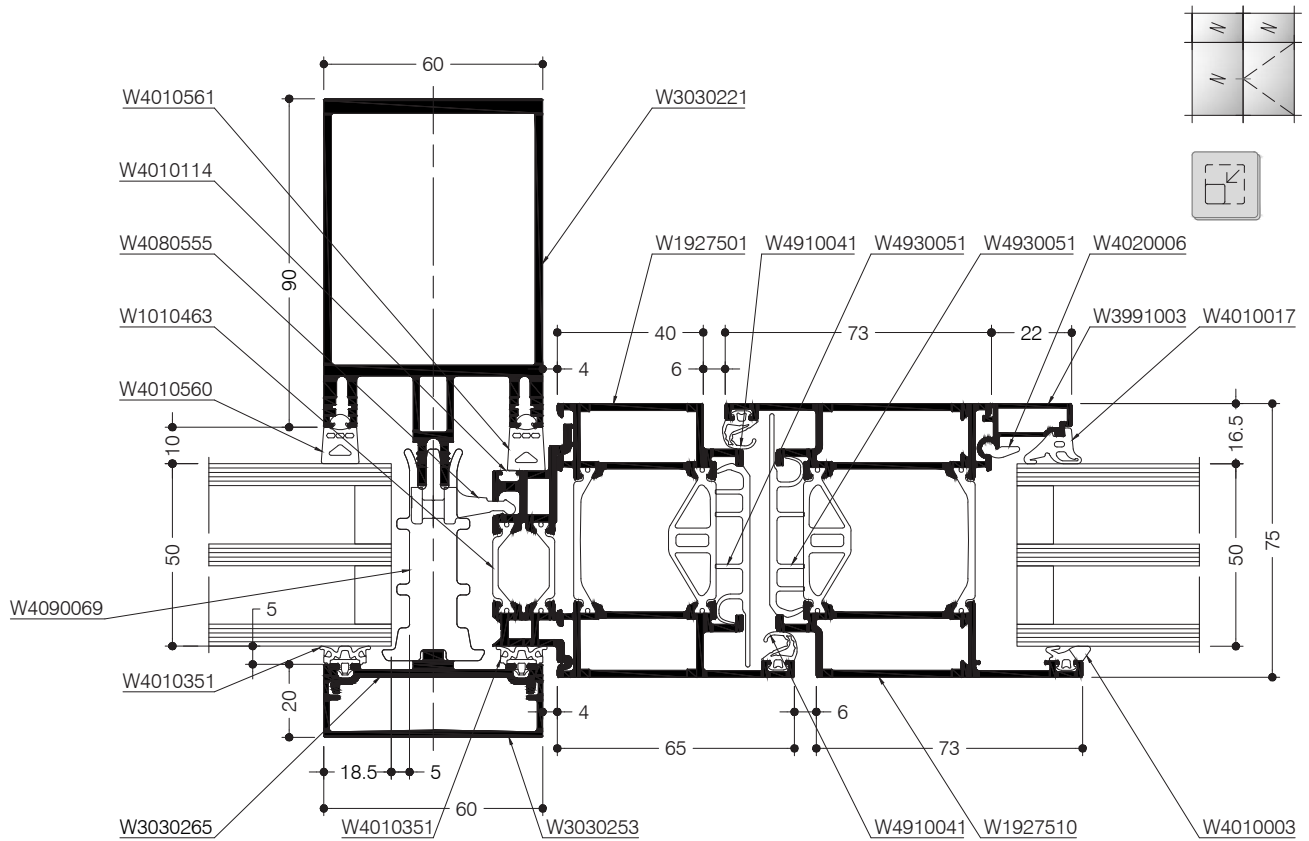
Mullion-door section - with WICSTYLE 75 open-in door



DIG-000043 Rev. A

Mullion-transom façade - Openings

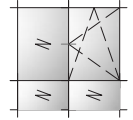
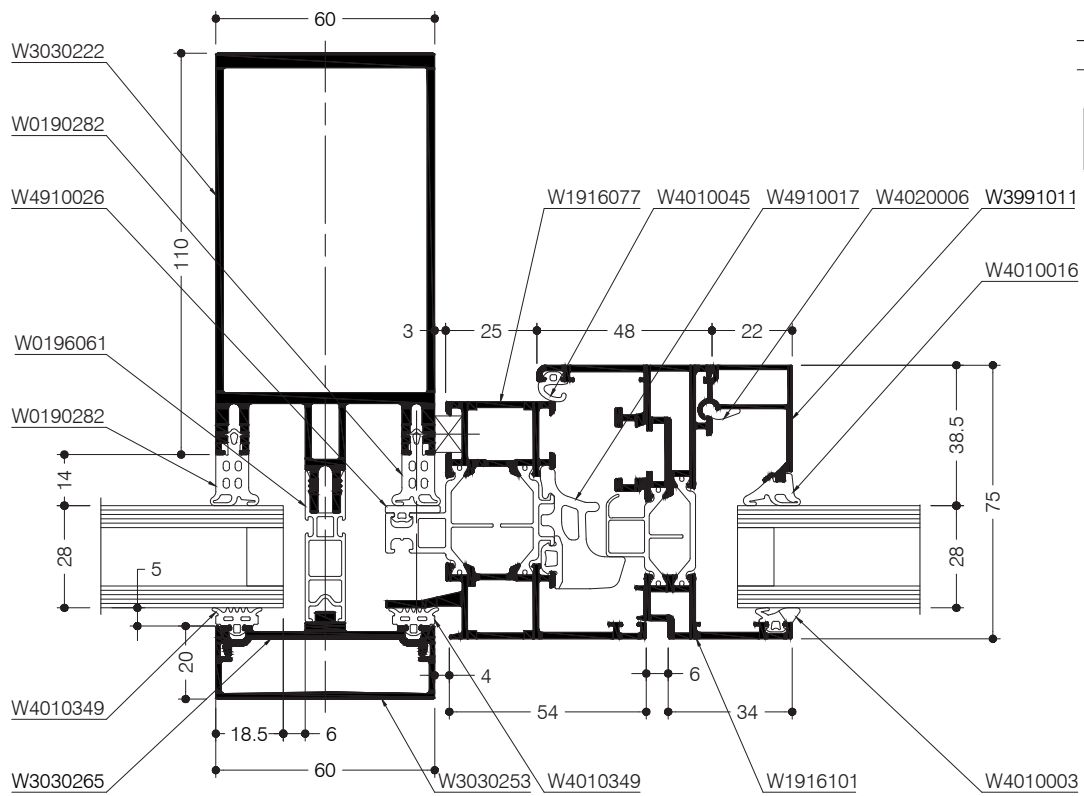
Mullion-door section - with WICSTYLE 75 open-in door



DIG-000094 Rev. A

Mullion-transom façade - Openings

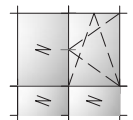
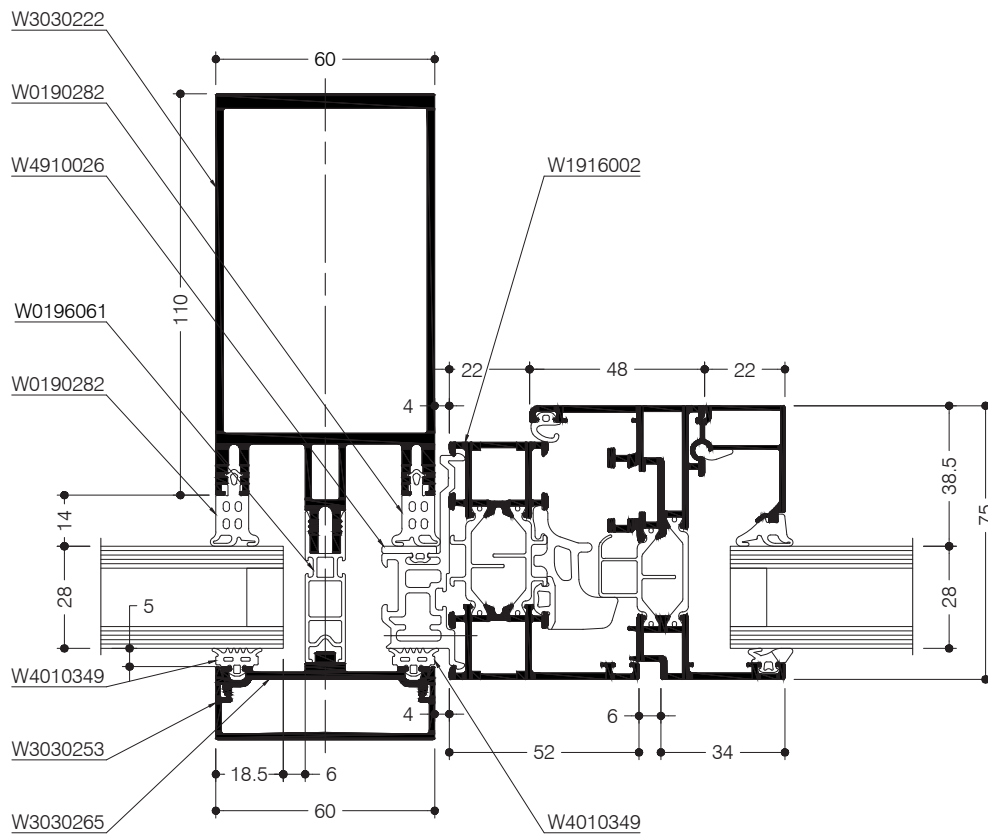
Mullion-window section - with WICLINE 65 open-in window



DIG-000012 Rev. A

Mullion-transom façade - Openings

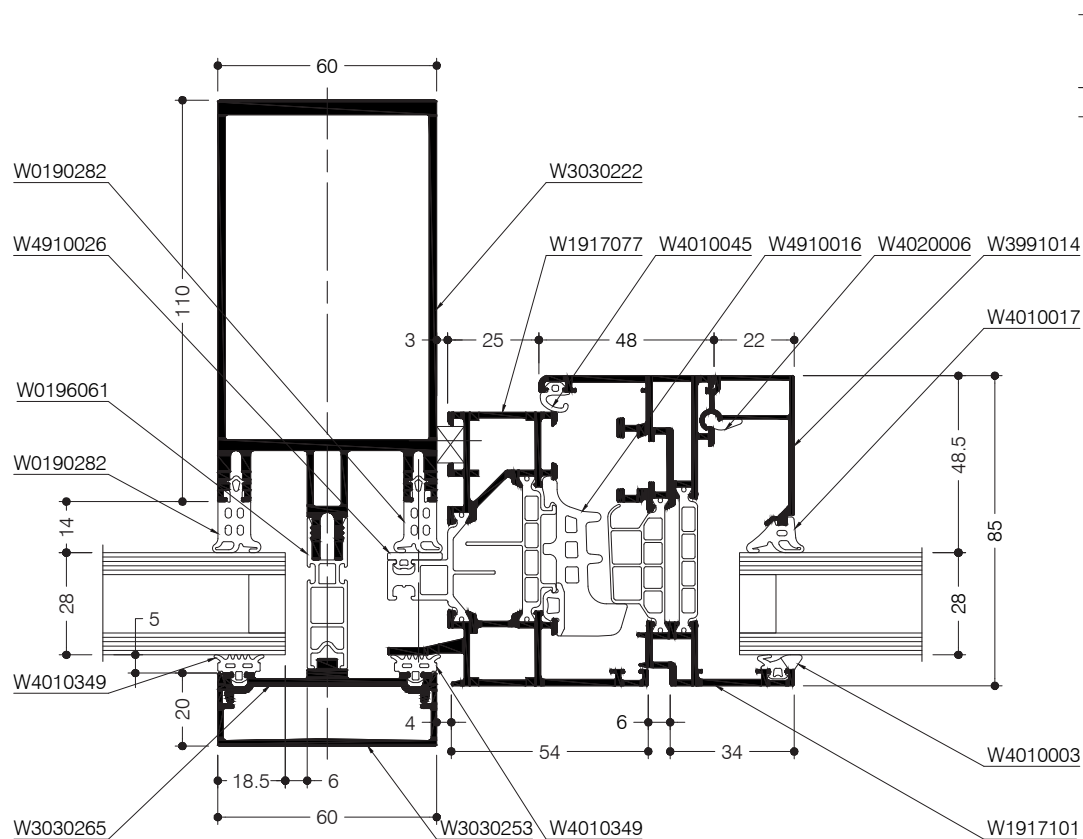
Mullion-window section - with WICLINE 65 open-in window



DIG-000084 Rev. A

Mullion-transom façade - Openings

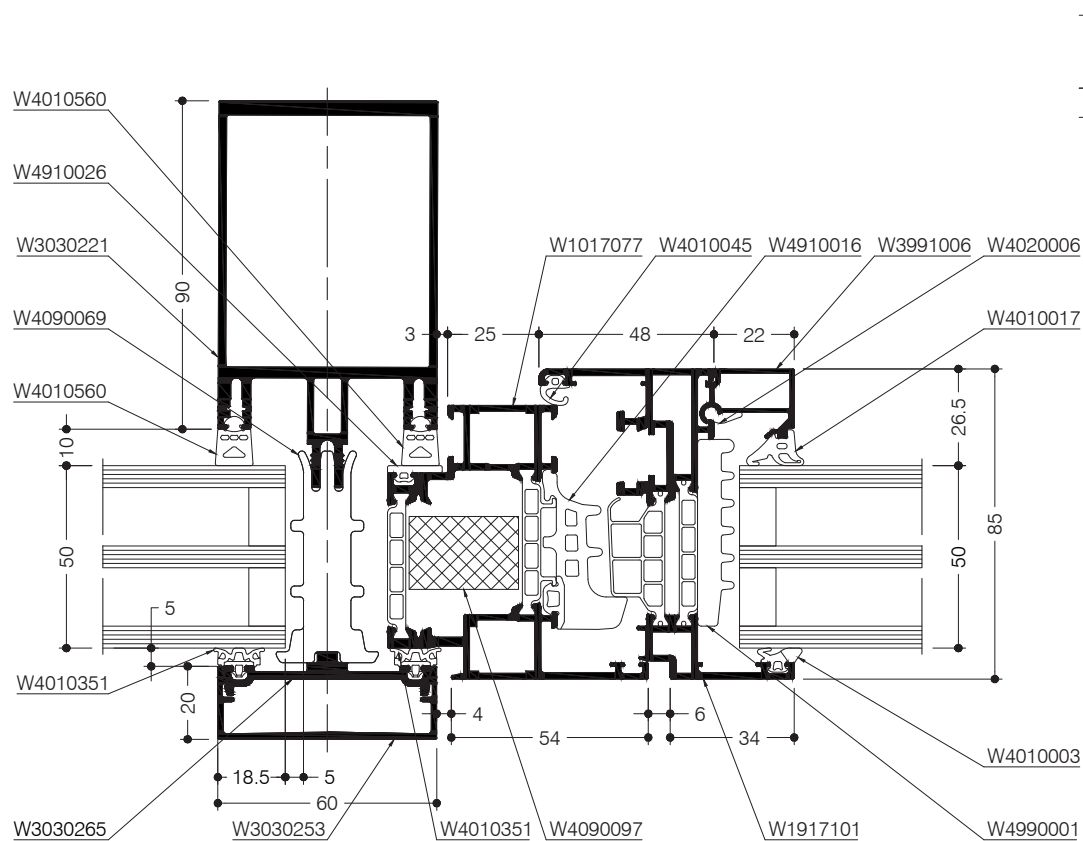
Mullion-window section - with WICLINE 75 open-in window



DIG-000081 Rev. A

Mullion-transom façade - Openings

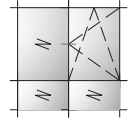
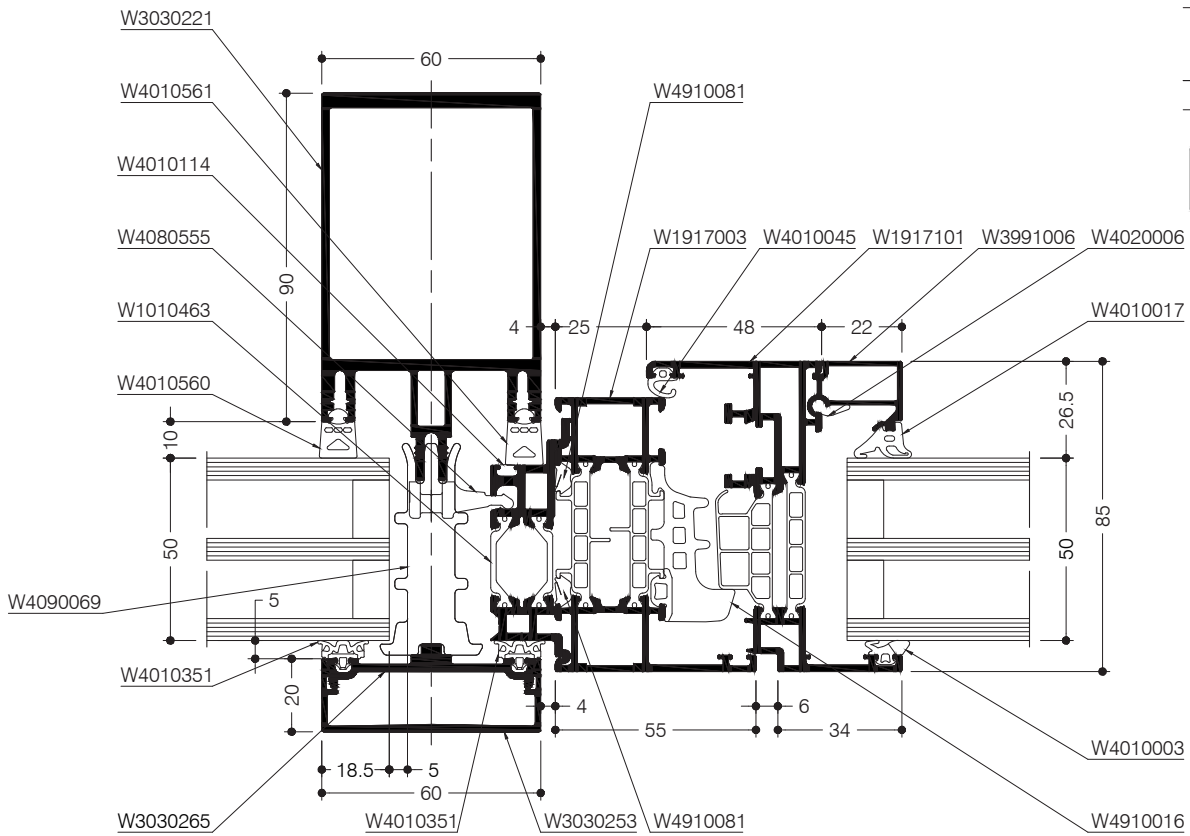
Mullion-window section - with WICLINE 75 open-in window



DIG-000093 Rev. A

Mullion-transom façade - Openings

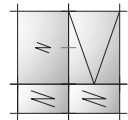
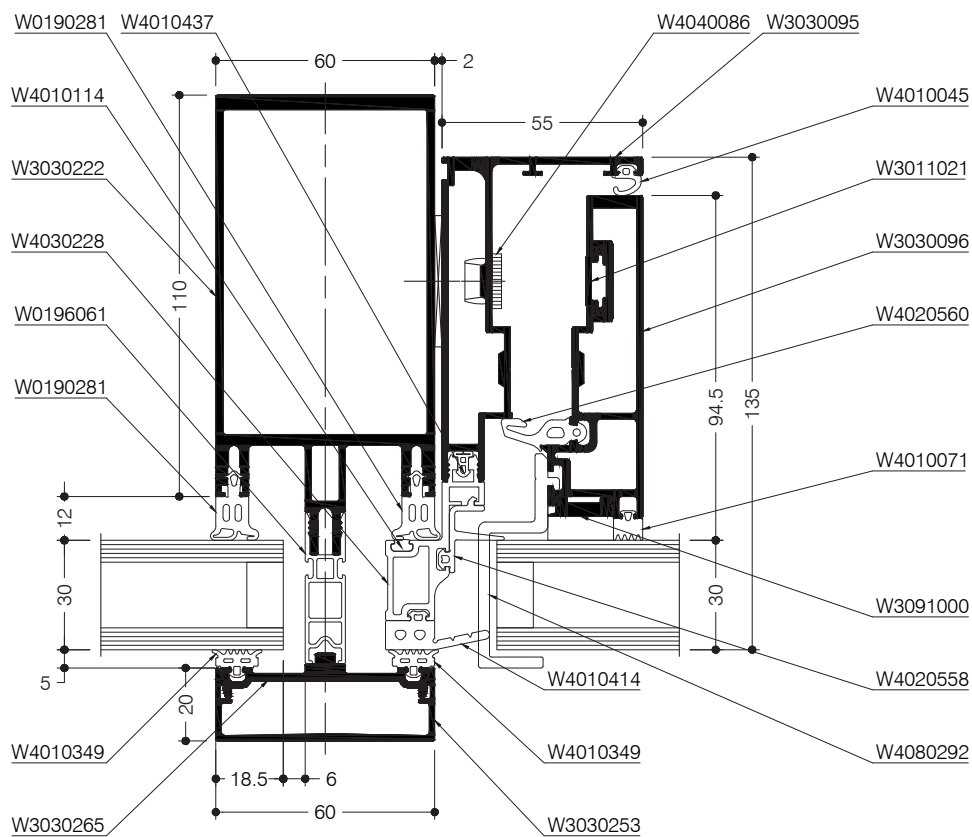
Mullion-window section - with WICLINE 75 open-in window



DIG-000092 Rev. A

Mullion-transom façade - Openings

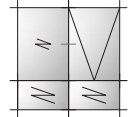
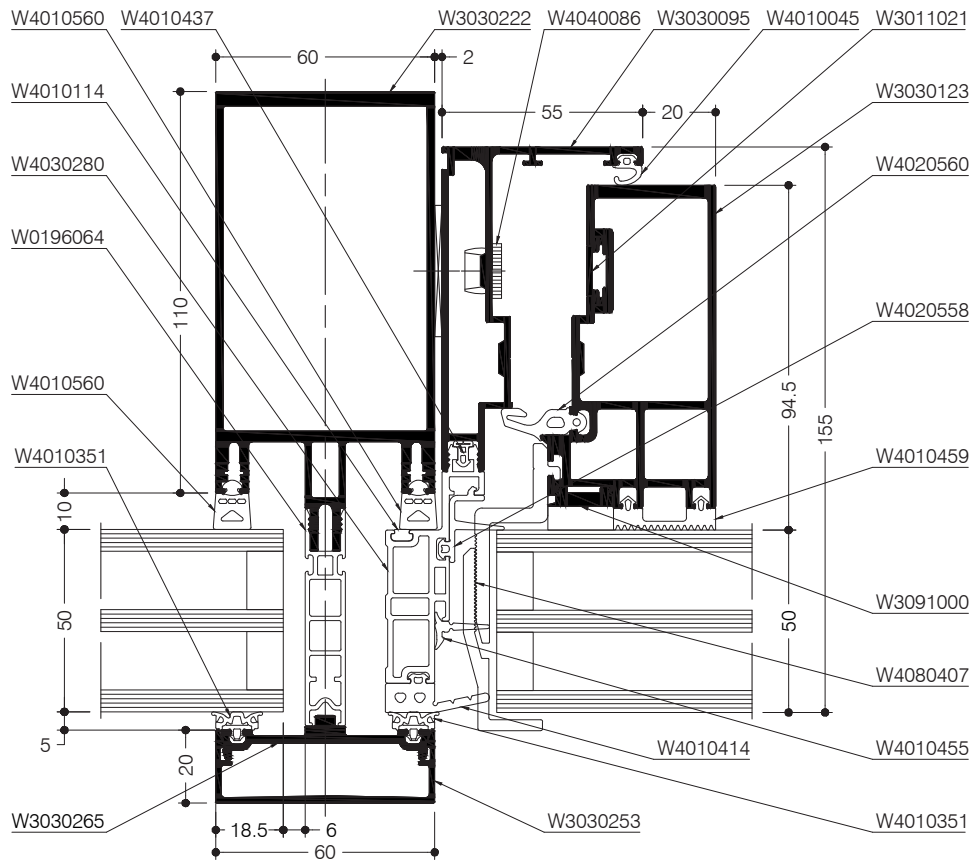
Mullion-window section - 90SG open-out window with 30 mm glass



DIG-000067 Rev. A

Mullion-transom façade - Openings

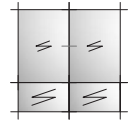
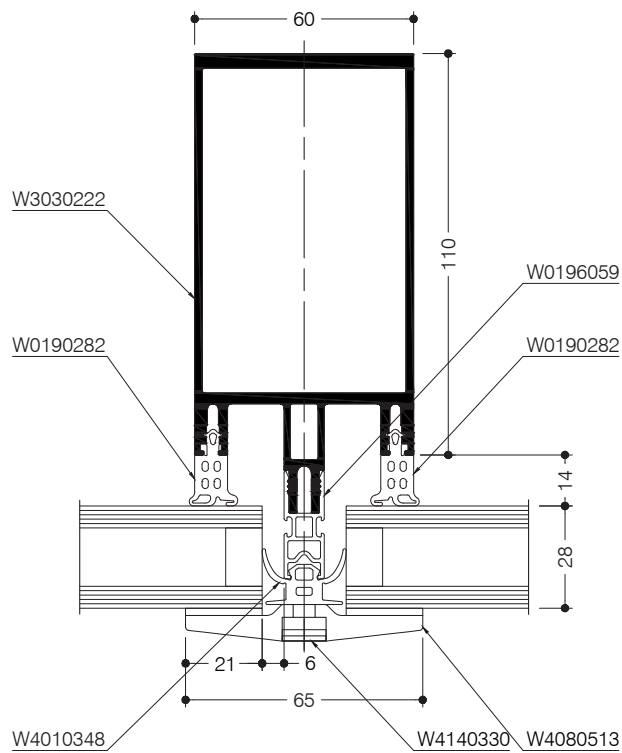
Mullion-window section - 90SG open-out window with 50 mm glass



DIG-0000091 Rev. A

Mullion-transom façade - Horizontal Line

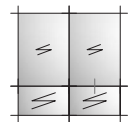
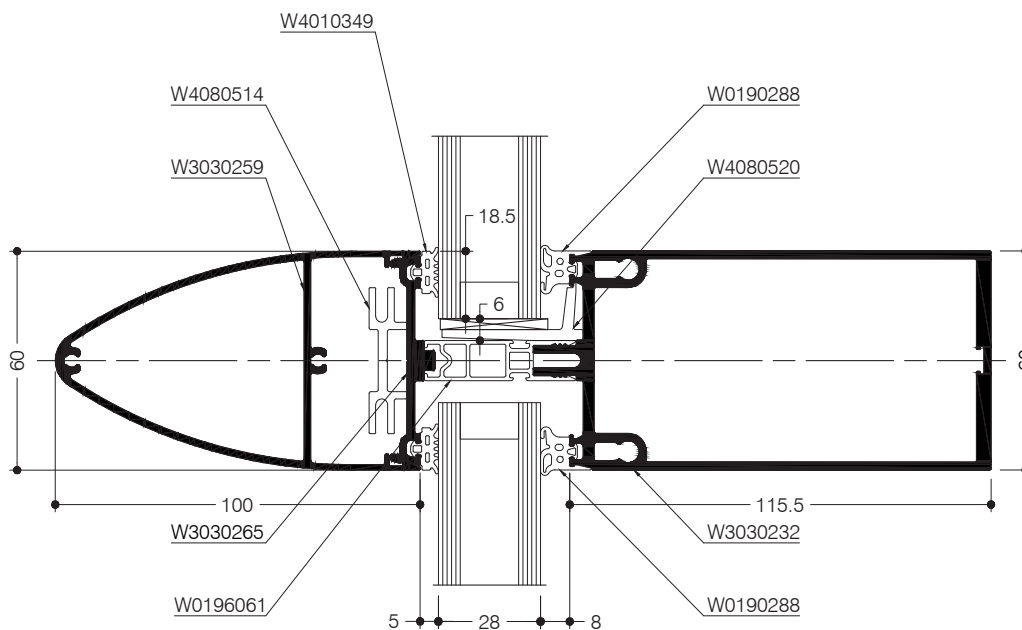
Mullion section - with Horizontal Line



DIG-000074 Rev. A

Mullion-transom façade - Horizontal Line

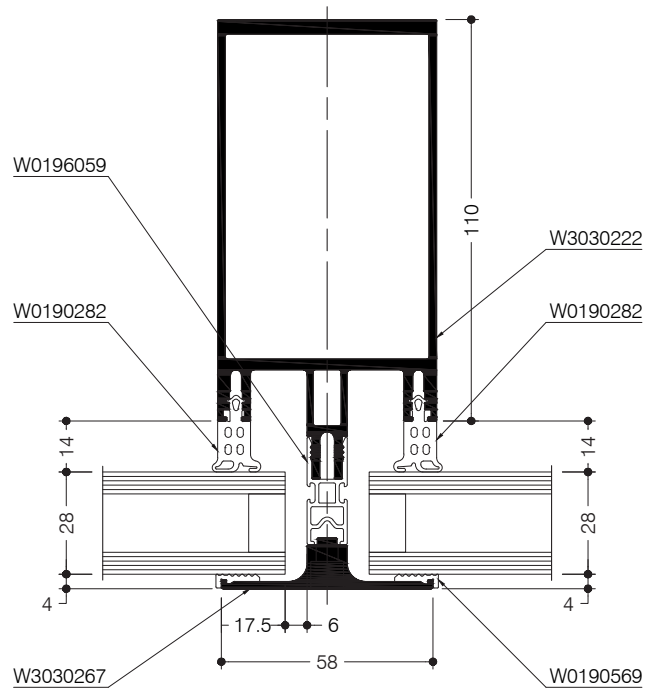
Transom section - with Horizontal Line



DIG-000073 Rev. A

Mullion-transom façade - SG design

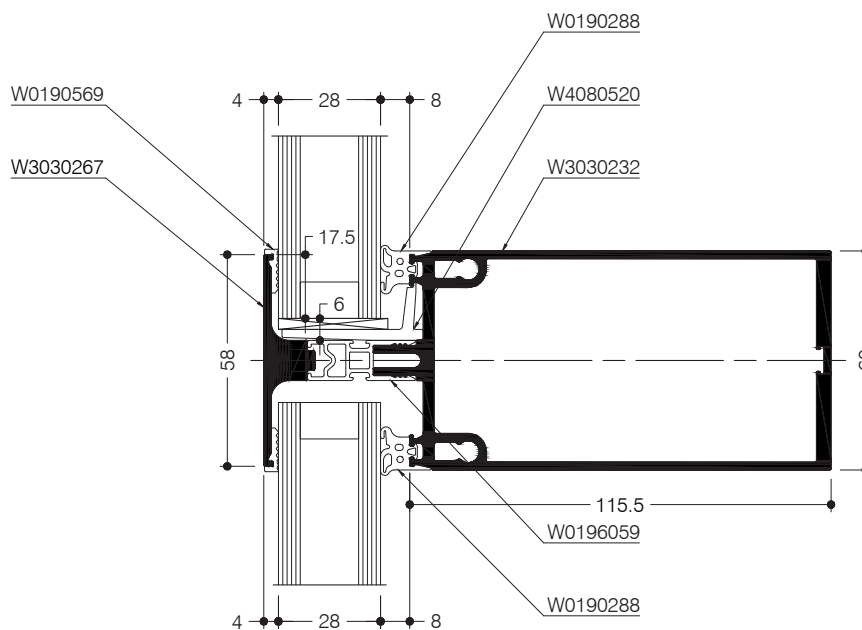
Mullion section - with integrated pressure plate



DIG-000072 Rev. A

Mullion-transom façade - SG design

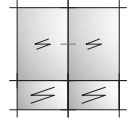
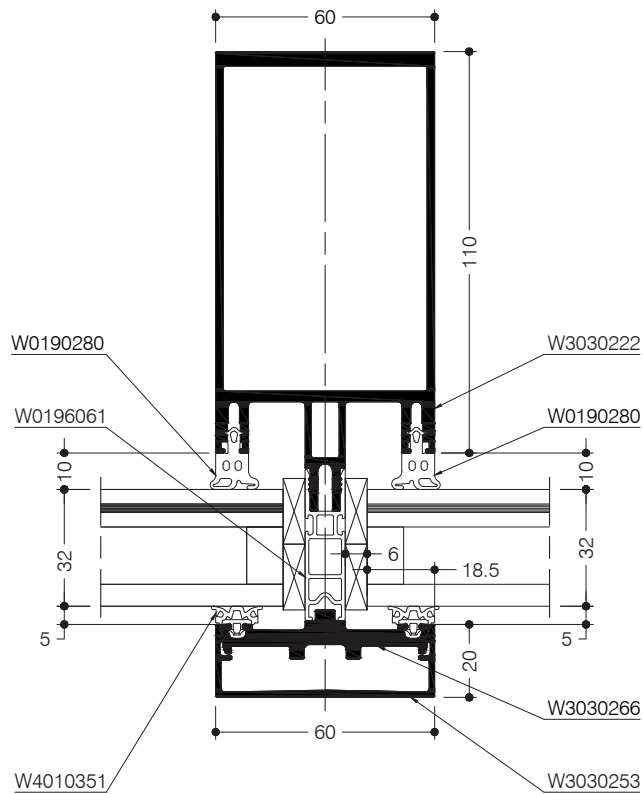
Transom section - with integrated pressure plate



DIG-000071 Rev. A

Mullion-transom façade - Anti-burglary

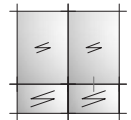
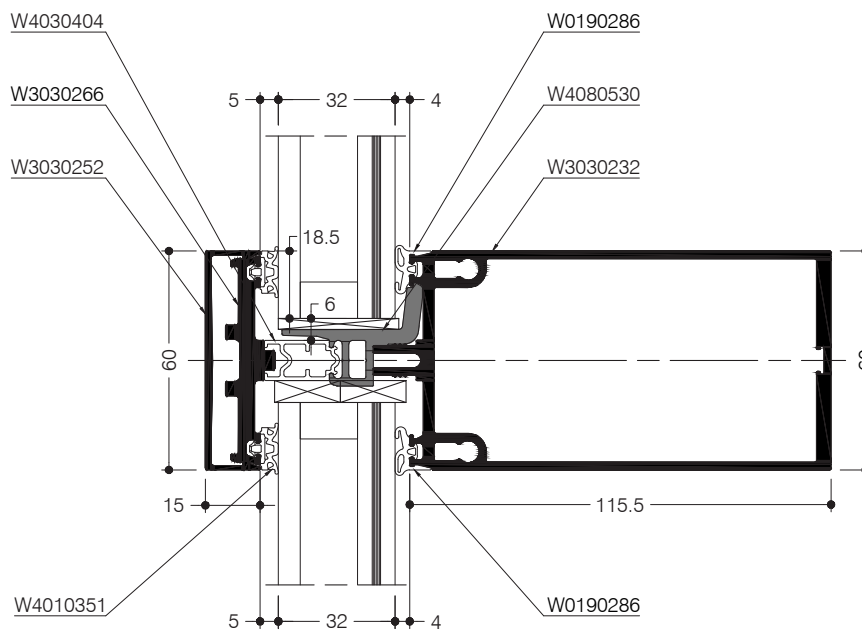
Mullion cross section - with RC2



DIG-000065 Rev. A

Mullion-transom façade - Anti-burglary

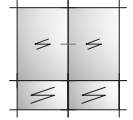
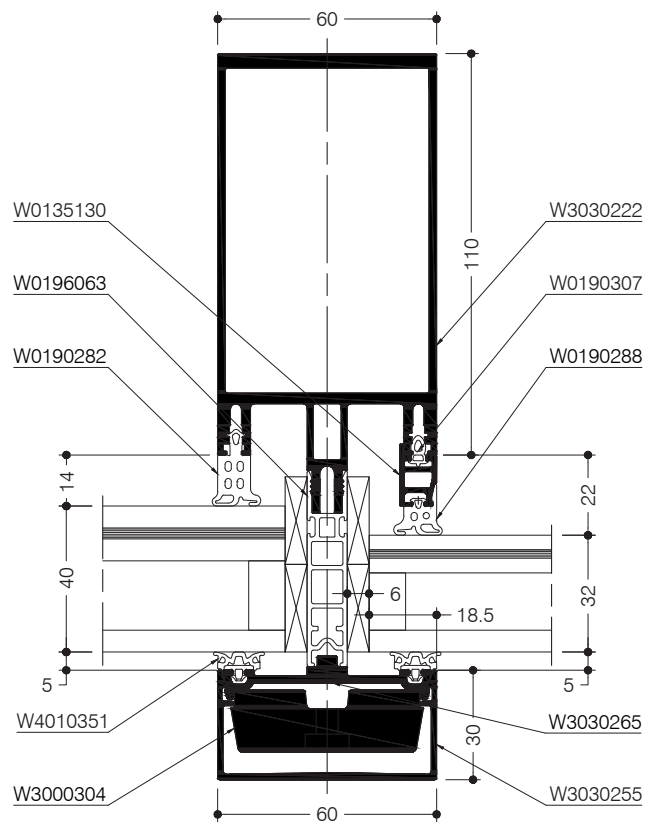
Transom section - with RC2



DIG-000064 Rev. A

Mullion-transom façade - Anti-burglary

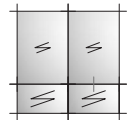
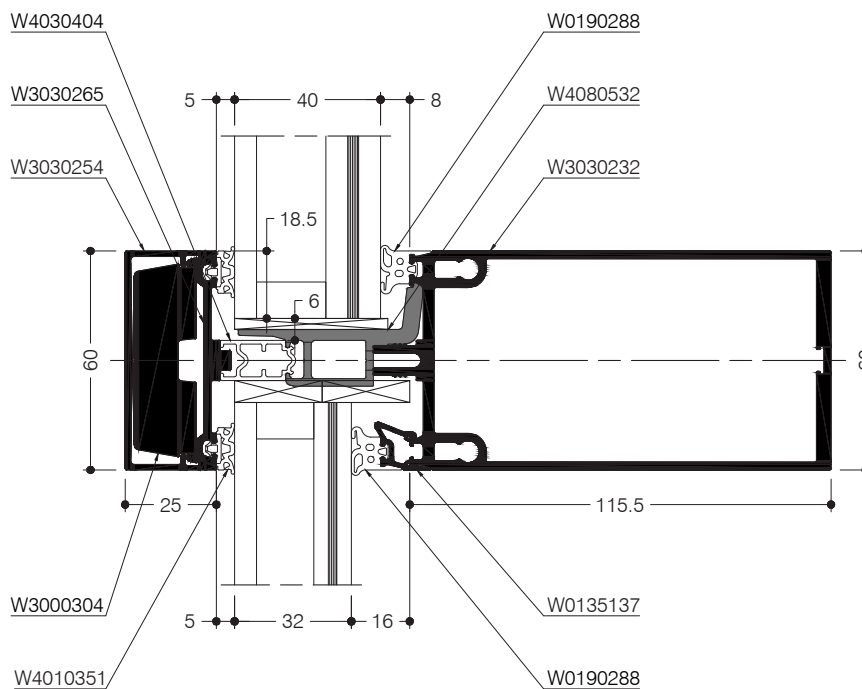
Mullion section - with RC3



DIG-000063 Rev. A

Mullion-transom façade - Anti-burglary

Transom section - with RC3



50 %

DIG-000062 Rev. A

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	Page
Gaskets linear	8.2
Gasket parts	8.5
Plastic profiles	8.8
T-connectors	8.10
Others	8.11

Gaskets linear



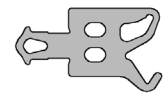
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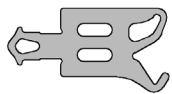
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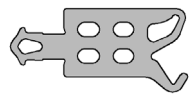
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W0190280



W0190281



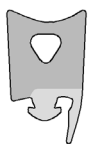
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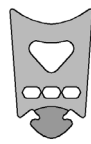
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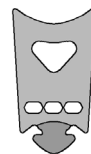
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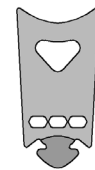
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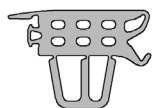
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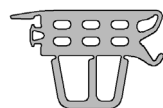
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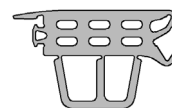
W4010562



W0190566



W0190565



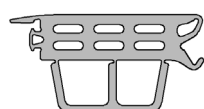
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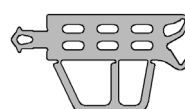
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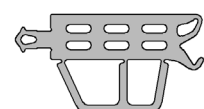
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W4010587



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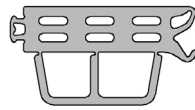


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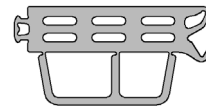
Gaskets linear



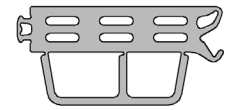
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W4010582



W4010583



W4010584



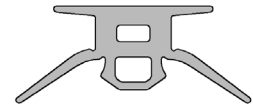
W4010349



W4010351



W0190569



W4010348



W0190109



W0190107



W0190108



W4010231



W0190301



W0190307



W0190308



W0190309



W4110081



W4010123

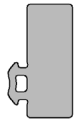


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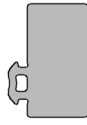


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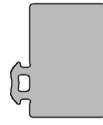
Gaskets linear



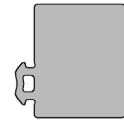
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W4910029



W4910030



W4010456

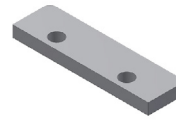
Gasket parts



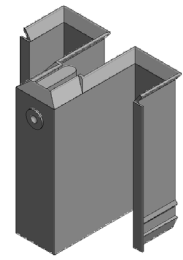
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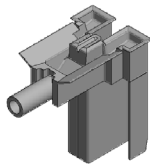
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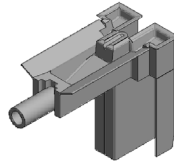
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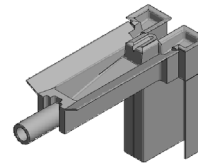
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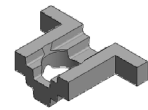
W4020250



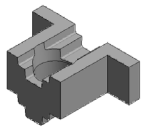
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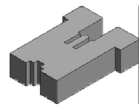
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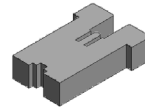
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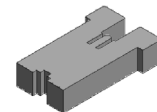
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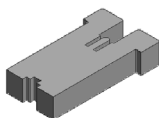
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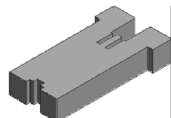
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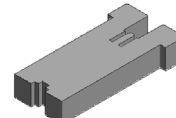
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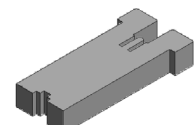
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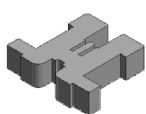
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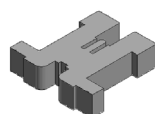
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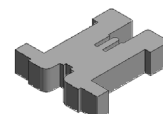
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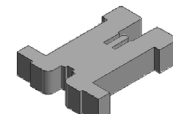
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W4020241

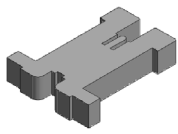


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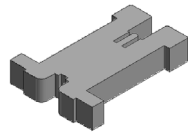


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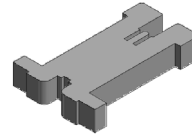
Gasket parts



W4020244



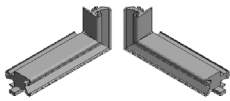
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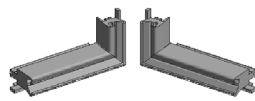
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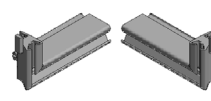
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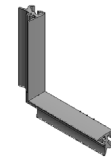
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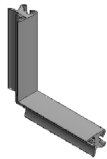
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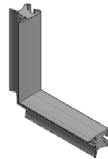
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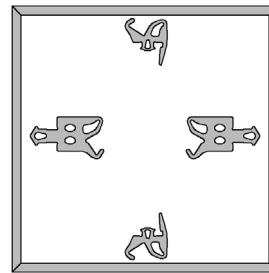
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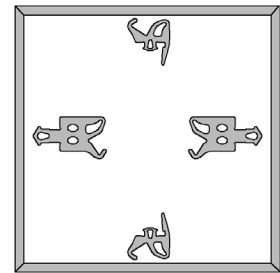
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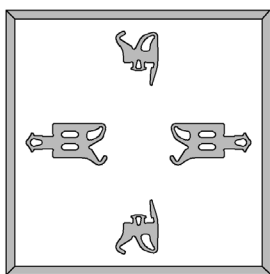
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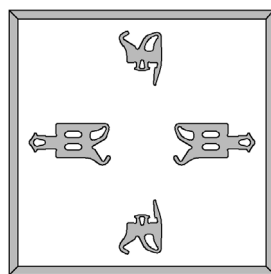
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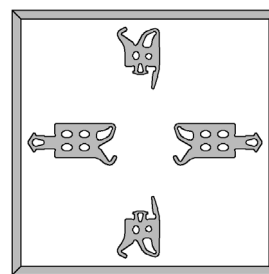
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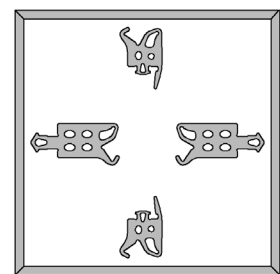
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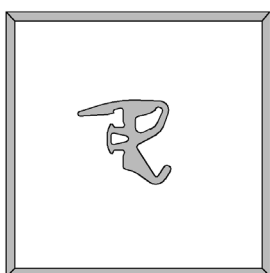
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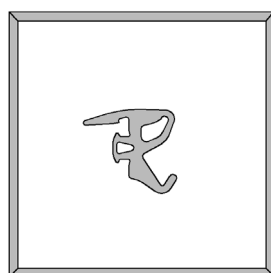
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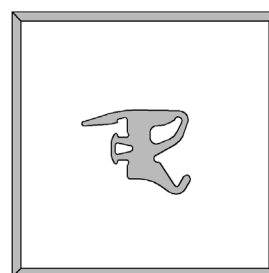
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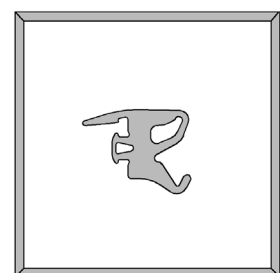
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W4020446

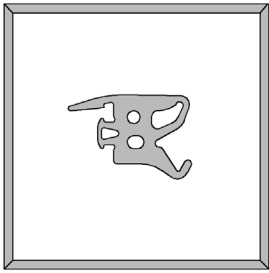


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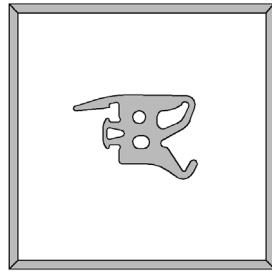


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Gasket parts



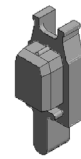
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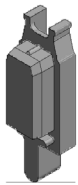
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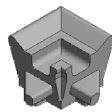
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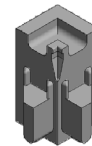
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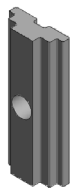
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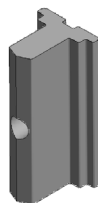
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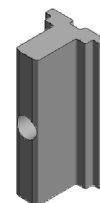
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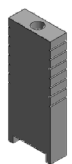
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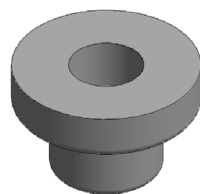
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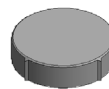
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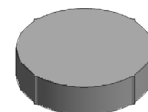
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W4020357



W0199205



W4140330

Plastic profiles



W0196065



W0196066



W0196067



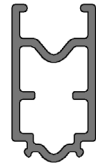
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W0196069



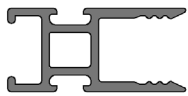
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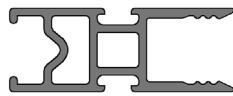
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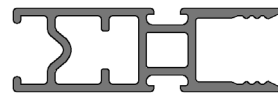
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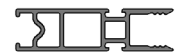
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W0196059



W0196060



W0196061



W0196062



W0196063



W0196064



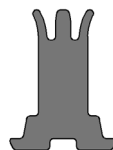
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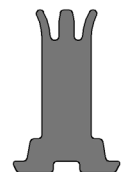
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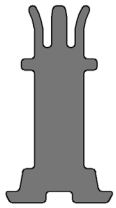


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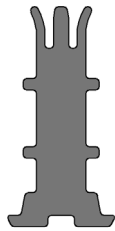


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Plastic profiles



W4090105



W4090069



W4090058



W4090061



W0196080



W0196077



W0196078



W0196079

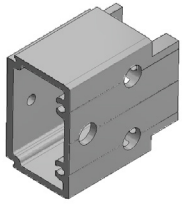


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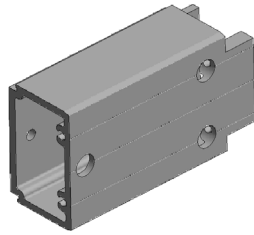


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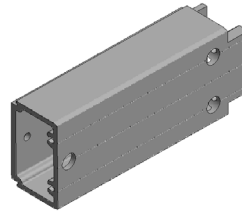
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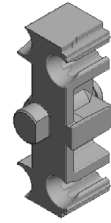
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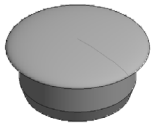


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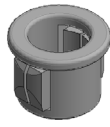


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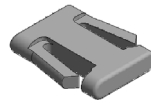
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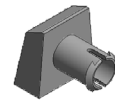
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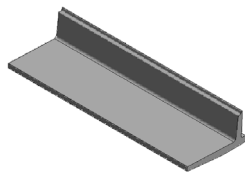
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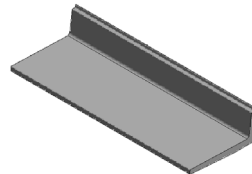
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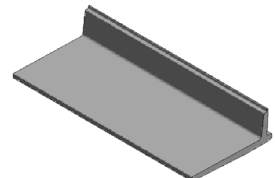
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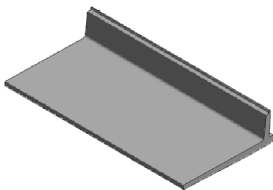
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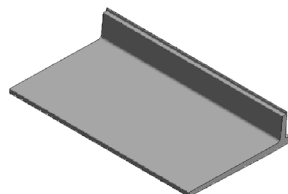
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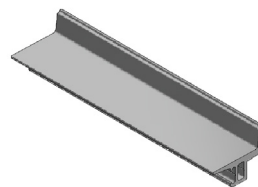
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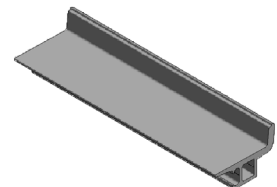
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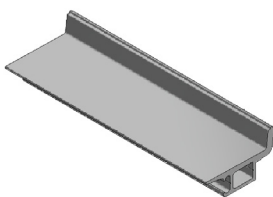
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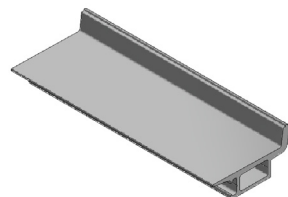
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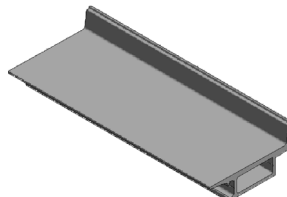
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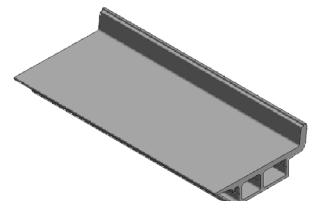
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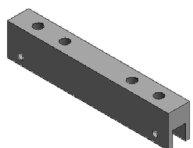
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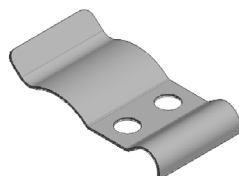
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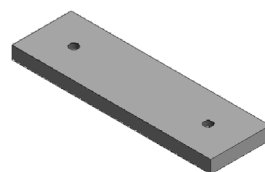
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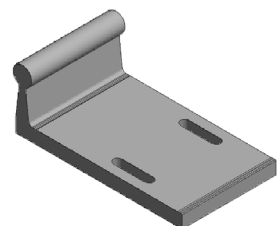
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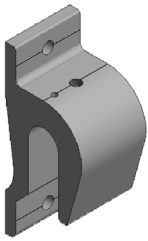


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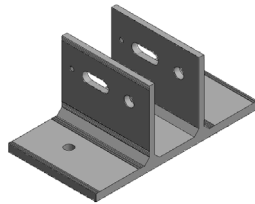


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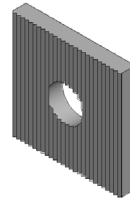
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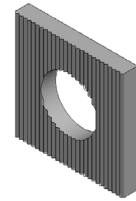
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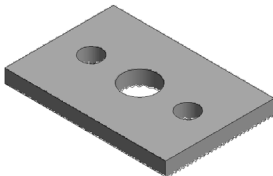
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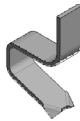
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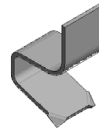
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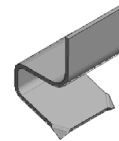
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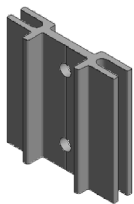
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W4080555



W4080556



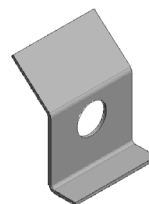
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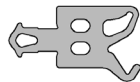
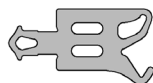
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W6970054

	Page
Gaskets linear	9.2
Gasket parts	9.10
Plastic profiles	9.20
T-connectors	9.25
Fixing elements	9.26
Others	9.29
Fixing elements table	9.35

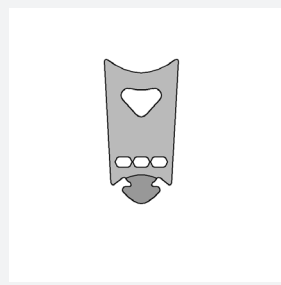
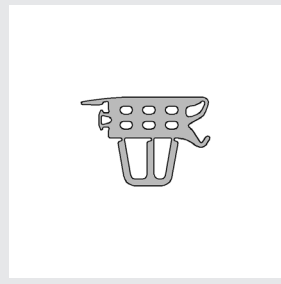
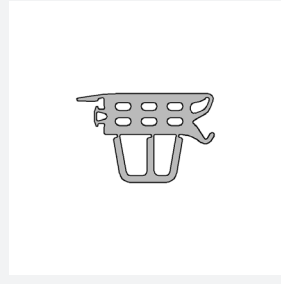

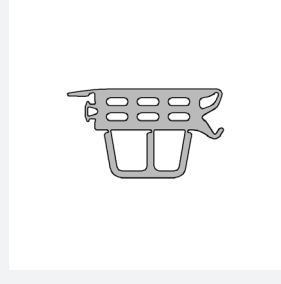

Gaskets linear

Reference	Material	Description	Drawing
W0190286	EPDM	<p>Glazing gasket 4mm L2,L3,L3S EPDM</p> <p>Application: Inner glazing gasket, L2, L3, L3S Gap 4 mm.</p> <ol style="list-style-type: none"> 1. Glue with corner set W0192290. 2. Vulcanized gasket frames in connection with W0190280. 3. Glue with corner set W0192293. 4. Vulcanized gasket frames in connection with W0190286. 	
W0190287	EPDM	<p>Glazing gasket 6mm L2,L3,L3S EPDM</p> <p>Application: Inner glazing gasket, L2, L3, L3S Gap 6 mm.</p> <ol style="list-style-type: none"> 1. Glue with corner set W0192291. 2. Vulcanized gasket frames in connection with W0190281. 3. Glue with corner set W0192294. 4. Vulcanized gasket frames in connection with W0190287. 	
W0190288	EPDM	<p>Glazing gasket 8mm L2,L3,L3S EPDM</p> <p>Application: Inner glazing gasket, L2, L3, L3S Gap 8 mm.</p> <ol style="list-style-type: none"> 1. Glue with corner set W0192292. 2. Vulcanized gasket frames in connection with W0190282. 3. Glue with corner set W0192295. 4. Vulcanized gasket frames in connection with W0190288. 	
W0190280	EPDM	<p>Glazing gasket 10mm L1 EPDM</p> <p>Application: Inner glazing gasket, L1 Gap 10 mm.</p> <ol style="list-style-type: none"> 1. Glue with corner set W0192290. 2. Vulcanized gasket frames in connection with W0190286. 	
W0190281	EPDM	<p>Glazing gasket 12mm L1 EPDM</p> <p>Application: Inner glazing gasket, L1 Gap 12 mm.</p> <ol style="list-style-type: none"> 1. Glue with corner set W0192291. 2. Vulcanized gasket frames in connection with W0190287. 	

Gaskets linear

Reference	Material	Description	Drawing
W0190282	EPDM	<p>Glazing gasket 14mm L1 EPDM</p> <p>Application: Inner glazing gasket, L1 Gap 14 mm. 1. Glue with corner set W0192292. 2. Vulcanized gasket frames in connection with W0190288.</p>	
W4010566	EPDM Foam	Glazing gasket 4mm EPDM foam bi-density	
W4010567	EPDM Foam	Glazing gasket 6mm EPDM foam bi-density	
W4010568	EPDM Foam	Glazing gasket 8mm EPDM foam bi-density	
W4010560	EPDM Foam	Glazing gasket 10mm EPDM foam bi-density	
W4010561	EPDM Foam	Glazing gasket 12mm EPDM foam bi-density	

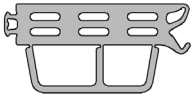



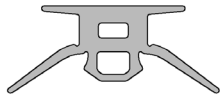

Gaskets linear

Reference	Material	Description	Drawing
W4010562	EPDM Foam	Glazing gasket 14mm EPDM foam bi-density	
W0190566	EPDM	Glazing gasket 20mm L2,L3,L3S EPDM Application: Inner glazing gasket, L2, L3, L3S. Gap 20 mm. In connection with glazing gasket W0190560.	
W0190565	EPDM	Glazing gasket 22mm L2,L3,L3S EPDM Application: Inner glazing gasket, L2, L3, L3S. Gap 22 mm. In connection with glazing gasket W0190559.	
W0190469	EPDM	Glazing gasket 24mm L2,L3,L3S EPDM Application: Inner glazing gasket, L2, L3, L3S Gap 24 mm. In connection with glazing gasket W0190470.	
W4010585	EPDM	Reducer gasket 26mm Adjustment gasket 26mm	
W4010586	EPDM	Reducer gasket 28mm Adjustment gasket 28mm	

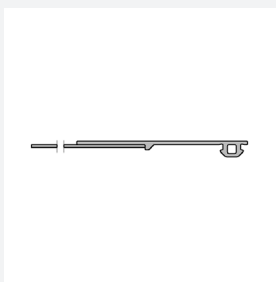
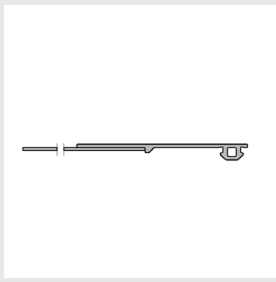
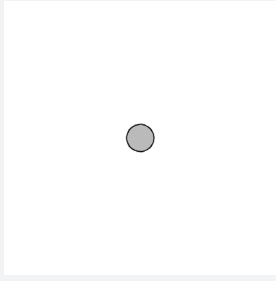
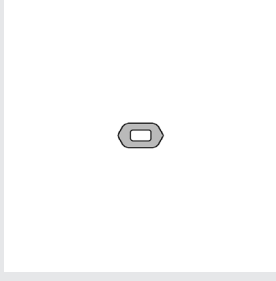
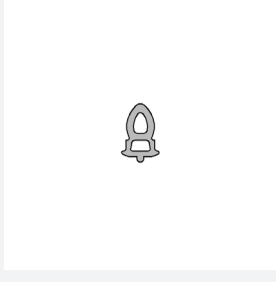
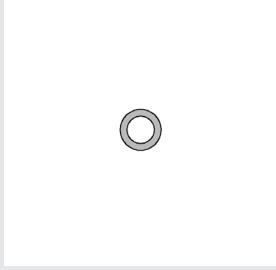
Gaskets linear

Reference	Material	Description	Drawing
W4010587	EPDM	Reducer gasket 30mm Adjustment gasket 30mm	
W0190560	EPDM	Glazing gasket 26mm L1 EPDM Application: Inner glazing gasket, L1. Gap 26 mm. In connection with glazing gasket W0190566.	
W0190559	EPDM	Glazing gasket 28mm L1 EPDM Application: Inner glazing gasket, L1. Gap 28 mm. In connection with glazing gasket W0190565.	
W0190470	EPDM	Glazing gasket 30mm L1 EPDM Application: Inner glazing gasket, L1. Gap 30 mm. In connection with glazing gasket W0190469.	
W4010582	EPDM	Glazing gasket 32mm Adjustment gasket 32mm	
W4010583	EPDM	Glazing gasket 34mm Adjustment gasket 34mm	







Gaskets linear

Reference	Material	Description	Drawing
W4010584	EPDM	Glaing gasket 36mm Adjustment gasket 36mm	
W4010349	EPDM	Glazing gasket exterior 5mm EPDM Application: Outer glazing gasket. Gap 5 mm.	
W4010351	Elastomer	Glazing gasket exterior 5mm TPE Application: Outer glazing gasket. Gap 5 mm.	
W0190569	EPDM	Glazing gasket exterior 2mm EPDM Glazing gasket Gap 2 mm. With adhesive strips for fixing.	
W4010348	EPDM	Central gasket HL-VL Application: Outer gasket for Horizontal Line and Vertical Line.	
W0190109	EPDM	Membrane gasket 150mm Application: Wall junction foil Sealing web width 150 mm. Glue sealing webs with EPDM adhesive on overlappings and underground.	

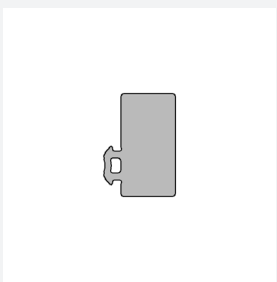
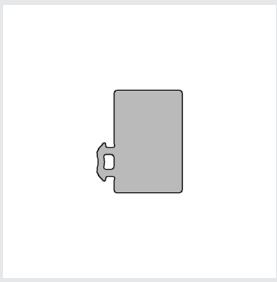
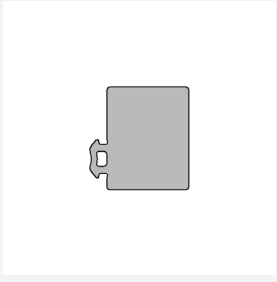
Gaskets linear

Reference	Material	Description	Drawing
W0190107	EPDM	<p>Membrane gasket 200mm</p> <p>Application: Wall junction foil sealing web width 200 mm. Glue sealing webs with EPDM adhesive on overlappings and underground.</p>	
W0190108	EPDM	<p>Membrane gasket 300mm</p> <p>Application: Wall junction foil Sealing web width 300 mm. Glue sealing webs with EPDM adhesive on overlappings and underground.</p>	
W4010231	EPDM Foam	<p>Sealing cord Ø4mm</p> <p>To seal supplementary profiles.</p>	
W0190301	EPDM	<p>Adapter gasket 6.6mm EPDM</p> <p>Insert continuously.</p>	
W0190307	EPDM	<p>Adapter gasket 7.7mm EPDM</p> <p>Insert lengthwise in adapter profiles.</p>	
W0190308	EPDM	<p>Adapter gasket Ø6mm EPDM</p> <p>Insert lengthwise in adapter profiles.</p>	

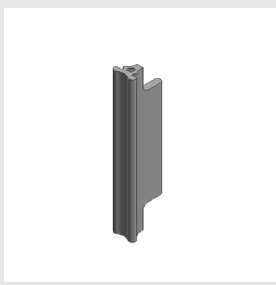
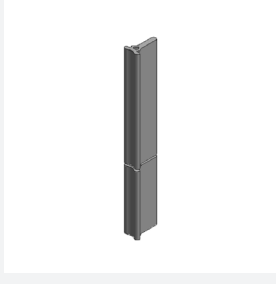
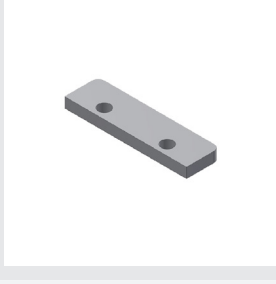
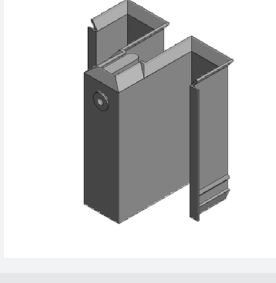
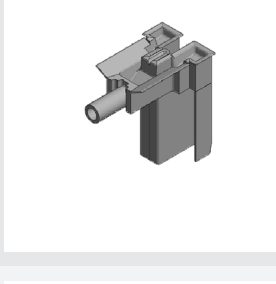
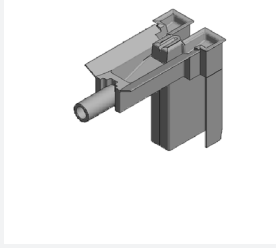
Gaskets linear

Reference	Material	Description	Drawing
W0190309	EPDM	Adapter gasket 12.5mm EPDM Insert lengthwise in adapter profiles.	
W4110081	Elastomer	Spacer gasket 2mm	
W4010123	EPDM	Compensating gasket 4mm Application: Adapter gasket in connection with clamping frame profile. Thickness 4 mm. Mitre cut in the corner and glue.	
W4910026	EPDM	Compensating gasket 2mm Surface: polymerized. Application: Adapter gasket in connection with clamping frame. Thickness 2 mm. Mitre cut corners and glued.	
W4910027	EPDM	Compensating gasket 4mm Surface: polymerized. Application: Adapter gasket in connection with clamping frame. Thickness 4 mm. Mitre cut corners and glued.	
W4910028	EPDM	Compensating gasket 6mm Surface: polymerized. Application: Adapter gasket in connection with clamping frame. Thickness 6 mm. Mitre cut corners and glued.	

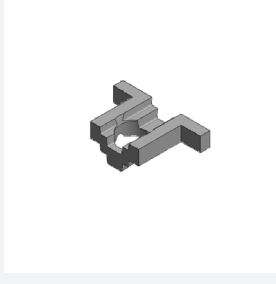
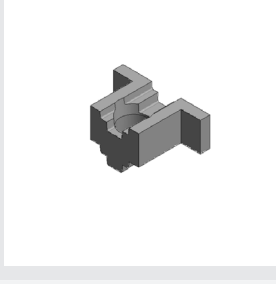
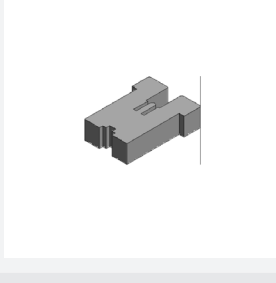
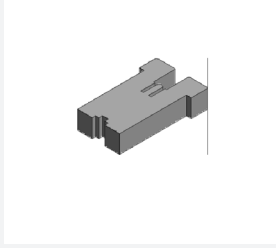
Gaskets linear

Reference	Material	Description	Drawing
W4910029	EPDM	<p>Compensating gasket 8mm</p> <p>Surface: polymerized. Application: Adapter gasket in connection with clamping frame. Thickness 8 mm. Mitre cut corners and glued.</p>	
W4910030	EPDM	<p>Compensating gasket 10mm</p> <p>Surface: polymerized. Application: Adapter gasket in connection with clamping frame. Thickness 10 mm. Mitre cut corners and glued.</p>	
W4010456	EPDM	<p>Compensating gasket 12mm</p> <p>Surface: dry. Application: Adapter gasket in connection with clamping frame. Thickness 12 mm. Mitre cut corners and glued.</p>	

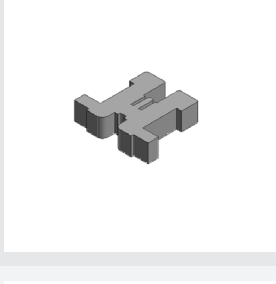
Gasket parts

Reference	Material	Description	Drawing
W4020226	EPDM	Transom seal 60 L2 Application: Weather seal for mullion profiles L1.	
W4020248	EPDM	Transom seal 1m EPDM foam	
W4020307	EPDM Foam	Transom seal 60 L3S	
W0192369	Miscellaneous	Expansion part L1 stainless steel Application: As sealing part for expansion joints in mullion profiles L1. Sealing part, stainless sheet steel, DIN ISO 3506 with EPDM, black Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	
W4020250	EPDM	Drainage part 56.5mm spout Application: As drainage part for mullion profiles L1 and thermal break profile W0196060. For Infill thicknesses: 22 - 26 mm. Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	
W4020251	EPDM	Drainage part 74.5mm spout Application: As drainage part for mullion profiles L1 and thermal break profile W0196063. For Infill thicknesses: 40 - 44 mm. Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	

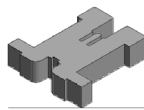
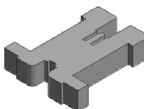
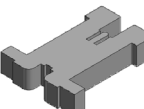
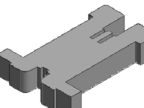
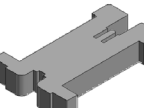

Gasket parts

Reference	Material	Description	Drawing
W4020252	EPDM	<p>Drainage part 92.5mm spout</p> <p>Application: As drainage part for mullion profiles L1 and thermal break profile W4030268. For Infill thicknesses: 58 - 62 mm. Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)</p>	
W4020253	EPDM	<p>Adapter 6mm spout</p> <p>Application: As adaptor with drainage part for mullion profiles L1. Compensation dimension 6 mm.</p>	
W4020254	EPDM	<p>Adapter 12mm spout</p> <p>Application: As adaptor with drainage part for mullion profiles L1. Compensation dimension 12 mm.</p>	
W4020232	EPDM Foam	<p>Drainage part 57.5mm EPDM foam</p> <p>Application: As drainage part for mullion profiles L1 and thermal break profile W0196060. For Infill thicknesses: 22 - 26 mm.</p>	
W4020233	EPDM Foam	<p>Drainage part 63.5mm EPDM foam</p> <p>Application: As drainage part for mullion profiles L1 and thermal break profile W0196061. For Infill thicknesses: 28 - 32 mm.</p>	
W4020234	EPDM Foam	<p>Drainage part 69.5mm EPDM foam</p> <p>Application: As drainage part for mullion profiles L1 and thermal break profile W0196062. For Infill thicknesses: 34 - 38 mm.</p>	

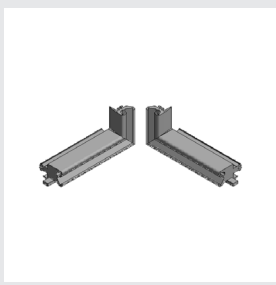
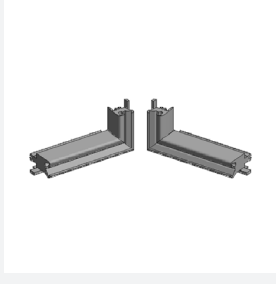
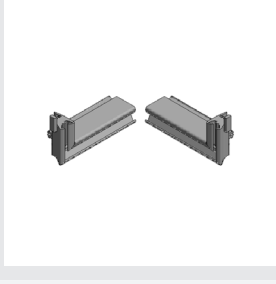
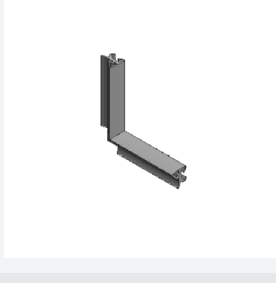
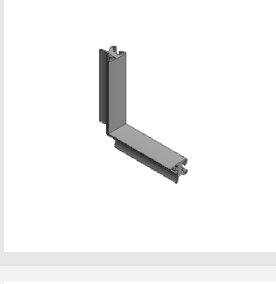
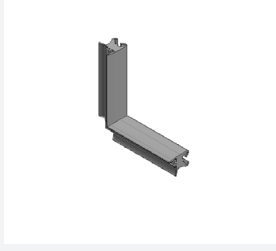
Gasket parts

Reference	Material	Description	Drawing
W4020235	EPDM Foam	Drainage part 75.5mm EPDM foam Application: As drainage part for mullion profiles L1 and thermal break profile W0196063. For Infill thicknesses: 40 - 44 mm.	
W4020236	EPDM Foam	Drainage part 81.5mm EPDM foam Application: As drainage part for mullion profiles L1 and thermal break profile W0196064. For Infill thicknesses: 46 - 50 mm.	
W4020237	EPDM Foam	Drainage part 87.5mm EPDM foam Application: As drainage part for mullion profiles L1 and thermal break profile W4030267. For Infill thicknesses: 52 - 56 mm.	
W4020238	EPDM Foam	Drainage part 93.5mm EPDM foam Application: As drainage part for mullion profiles L1 and thermal break profile W4030268. For Infill thicknesses: 58 - 62 mm.	
W4020240	EPDM Foam	Drainage part 52.7mm flat cap Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196058. For Infill thicknesses: 22 - 26 mm.	
W4020241	EPDM Foam	Drainage part 58.7mm flat cap Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196059. For Infill thicknesses: 28 - 32 mm.	

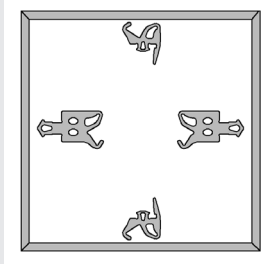
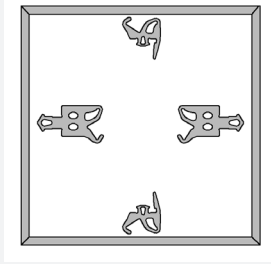
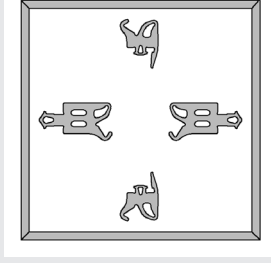
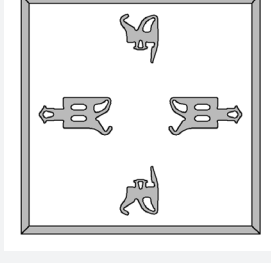
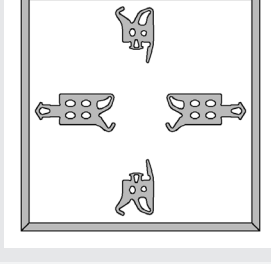
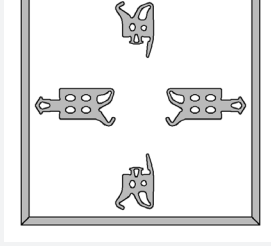
Gasket parts

Reference	Material	Description	Drawing
W4020242	EPDM Foam	<p>Drainage part 64.7mm flat cap</p> <p>Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196060. For Infill thicknesses: 34 - 38 mm.</p>	
W4020243	EPDM Foam	<p>Drainage part 70.7mm flat cap</p> <p>Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196061. For Infill thicknesses: 40 - 44 mm.</p>	
W4020244	EPDM Foam	<p>Drainage part 76.7mm flat cap</p> <p>Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196062. For Infill thicknesses: 46 - 50 mm.</p>	
W4020245	EPDM Foam	<p>Drainage part 82.7mm flat cap</p> <p>Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196063. For Infill thicknesses: 52 - 56 mm.</p>	
W4020246	EPDM Foam	<p>Drainage part 88.7mm flat cap</p> <p>Application: For mullion profiles L1 with pressure profile W3030249/W3030267 and thermal break profile W0196064. For Infill thicknesses: 58 - 62 mm.</p>	
W4020308	EPDM Foam	<p>Expansion part 60/90°</p>	

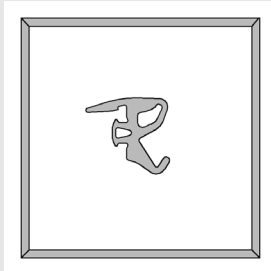
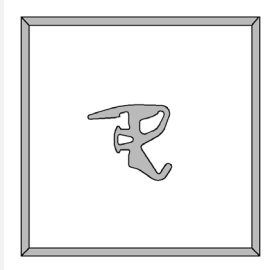
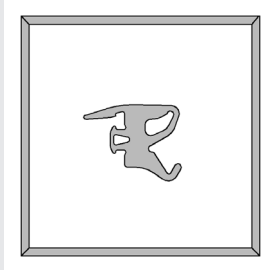
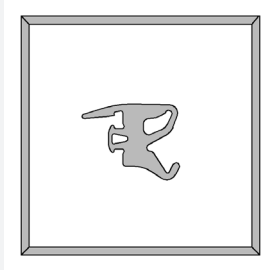
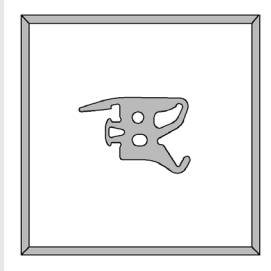
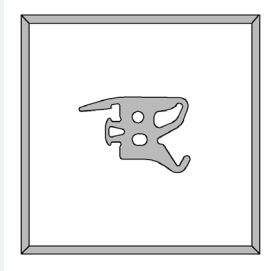
Gasket parts

Reference	Material	Description	Drawing
W0192290	EPDM	Vulcanised corner 10/4mm EPDM Gap 4/10 mm Vertical deduction dimension: 75 mm Horizontal deduction dimension: 40 mm	
W0192291	EPDM	Vulcanised corner 12/6mm EPDM Gap 6/12 mm Vertical deduction dimension: 75 mm Horizontal deduction dimension: 40 mm	
W0192292	EPDM	Vulcanised corner 14/8mm EPDM Gap 8/14 mm Vertical deduction dimension: 75 mm Horizontal deduction dimension: 40 mm	
W0192293	EPDM	Vulcanised corner 4mm EPDM Gap 4 mm Vertical deduction dimension: 75 mm Horizontal deduction dimension: 75 mm	
W0192294	EPDM	Vulcanised corner 6mm EPDM Gap 6 mm Vertical deduction dimension: 75 mm Horizontal deduction dimension: 75 mm	
W0192295	EPDM	Vulcanised corner 8mm EPDM Gap 8 mm Vertical deduction dimension: 75 mm Horizontal deduction dimension: 75 mm	

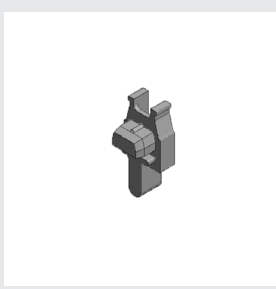
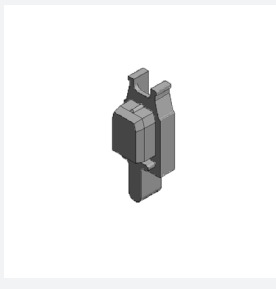
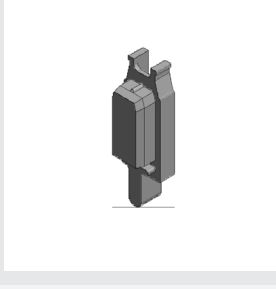

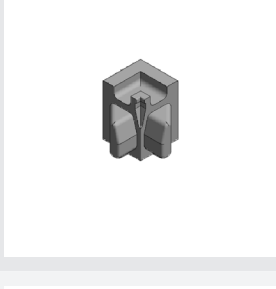
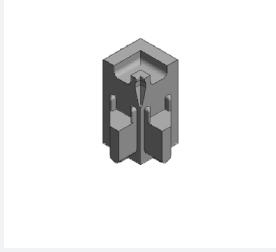
Gasket parts

Reference	Material	Description	Drawing
W4020433	EPDM	<p>Vulcanised frame 10/4mm EPDM Consisting of W0190280/W0190286. Request delivery time. Request order forms. Surface treatment: siliconized.</p>	
W4020434	EPDM	<p>Vulcanised frame 10/4mm EPDM dry Consisting of W0190280/W0190286. Request delivery time. Request order forms. Surface treatment: without silicone, dry</p>	
W4020435	EPDM	<p>Vulcanised frame 12/6mm EPDM Consisting of W0190281/W0190287. Request delivery time. Request order forms. Surface treatment: siliconized.</p>	
W4020436	EPDM	<p>Vulcanised frame 12/6mm EPDM dry Consisting of W0190281/W0190287. Request delivery time. Request order forms. Surface treatment: without silicone, dry</p>	
W4020437	EPDM	<p>Vulcanised frame 14/8mm EPDM Consisting of W0190282/W0190288. Request delivery time. Request order forms. Surface treatment: siliconized.</p>	
W4020438	EPDM	<p>Vulcanised frame 14/8mm EPDM dry Consisting of W0190282/W0190288. Request delivery time. Request order forms. Surface treatment: without silicone, dry</p>	


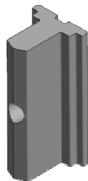

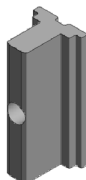
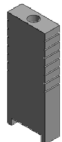
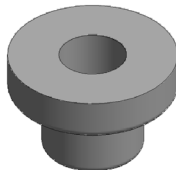
Gasket parts

Reference	Material	Description	Drawing
W4020445	EPDM	Vulcanised frame 4mm EPDM Gap 4 mm Consisting of W0190286. Request delivery time. Request order form. Surface treatment: siliconized.	
W4020446	EPDM	Vulcanised frame 4mm EPDM dry Gap 4 mm. Consisting of W0190286. Request delivery time. Request order form. Surface treatment: without silicone, dry	
W4020447	EPDM	Vulcanised frame 6mm EPDM Gap 6 mm Consisting of W0190287. Request delivery time. Request order form. Surface treatment: siliconized.	
W4020448	EPDM	Vulcanised frame 6mm EPDM dry Gap 6 mm. Consisting of W0190287. Request delivery time. Request order form. Surface treatment: without silicone, dry	
W4020449	EPDM	Vulcanised frame 8mm EPDM Gap 8 mm Consisting of W0190288. Request delivery time. Request order form. Surface treatment: siliconized.	
W4020450	EPDM	Vulcanised frame 8mm EPDM dry Gap 8 mm. Consisting of W0190288. Request delivery time. Request order form. Surface treatment: without silicone, dry	

Gasket parts

Reference	Material	Description	Drawing
W0192296	EPDM	End part 14mm Glue and seal.	
W0192297	EPDM	End part 20mm Glue and seal.	
W0192298	EPDM	End part 26mm Glue and seal.	
W0192299	EPDM	Corner piece EPDM Glue and seal.	
W0192300	EPDM	Corner piece 14mm EPDM Glue and seal.	
W0192301	EPDM	Corner piece 20mm EPDM Glue and seal.	

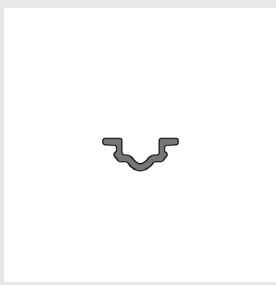
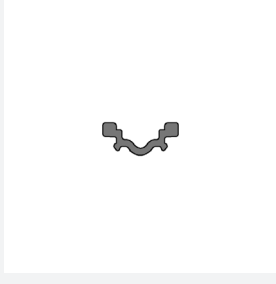
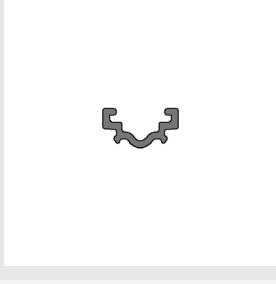
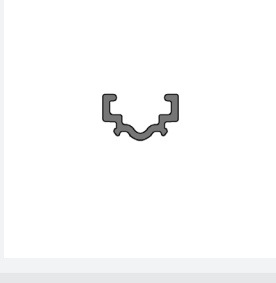
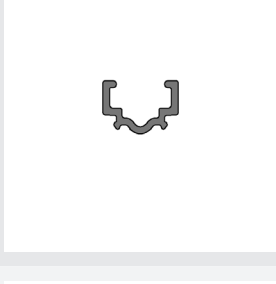
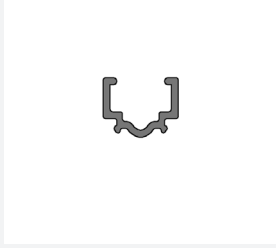
Gasket parts

Reference	Material	Description	Drawing
W4020346	Foam	Sealing piece 12mm scaffold anchor In connection with W0196061	
W4020347	Foam	Sealing piece 18mm scaffold anchor In connection with W0196062	
W4020348	Foam	Sealing piece 24mm scaffold anchor In connection with W0196063	
W4020349	Foam	Sealing piece 30mm scaffold anchor In connection with W0196064	
W4020352	EPDM Foam	Sealing piece 79mm cable routing Application: Transom with thermal break profile W0196060	
W4020357	EPDM	Grommet 30mm cable routing Application: Transom profiles	

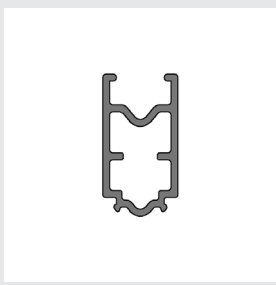
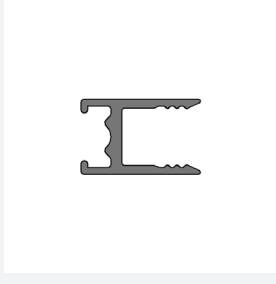
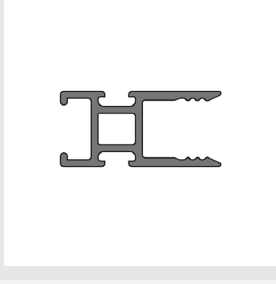
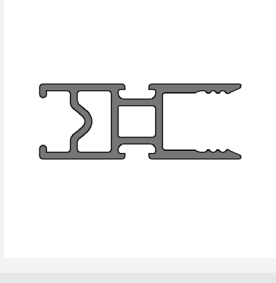
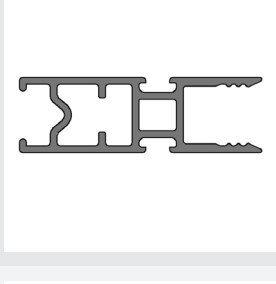
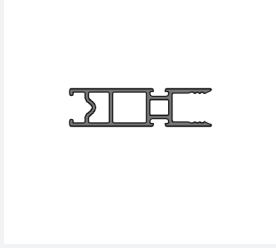
Gasket parts

Reference	Material	Description	Drawing
W0199205	EPDM	Screw cover 9mm black Cover for screw head borehole Ø9 mm	
W4140330	EPDM	Screw cover Ø12mm	

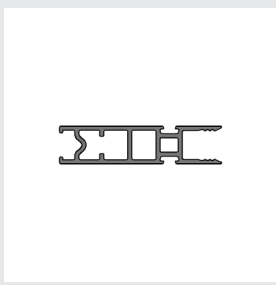

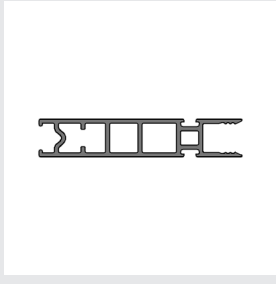
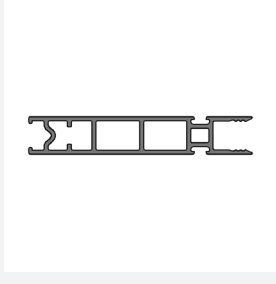
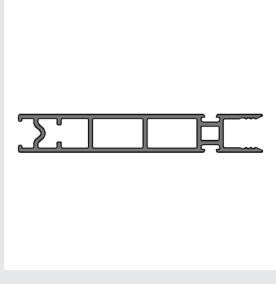
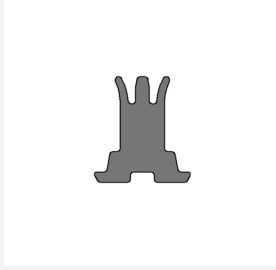
Plastic profiles

Reference	Material	Description	Drawing
W0196065	Synthetic	<p>Thermal break profile 1mm</p> <p>Application: As depth compensation for thermal break profile of mullion profiles of L1A, L1B. Construction depth: 1 mm Coloured marking: black</p>	
W0196066	Synthetic	<p>Thermal break profile 2mm</p> <p>Application: As depth compensation for thermal break profiles of mullion profiles of L1A, L1B. Construction depth: 2 mm Coloured marking: green</p>	
W0196067	Synthetic	<p>Thermal break profile 3mm</p> <p>Application: As depth compensation for thermal break profiles of mullion profiles of L1A, L1B. Construction depth: 3 mm Coloured marking: brown</p>	
W0196068	Synthetic	<p>Thermal break profile 4mm</p> <p>Application: As depth compensation for thermal break profiles of mullion profiles of L1A, L1B. Construction depth: 4 mm Coloured marking: blue</p>	
W0196069	Synthetic	<p>Thermal break profile 5mm</p> <p>Application: As depth compensation for thermal break profiles of mullion profiles of L1A, L1B. Construction depth: 5 mm Coloured marking: black</p>	
W4030402	Synthetic	<p>Thermal break profile 6mm extender</p> <p>Construction depth: 6 mm Coloured marking: red</p>	

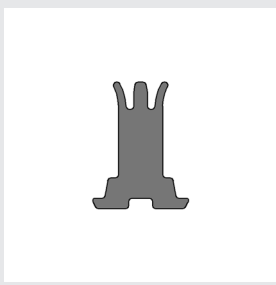
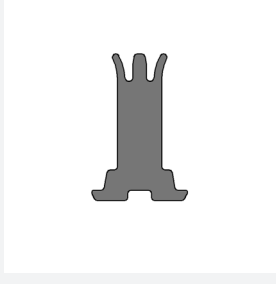
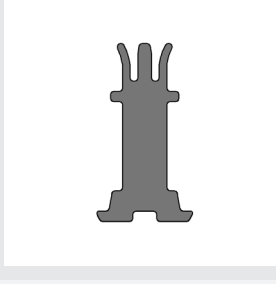
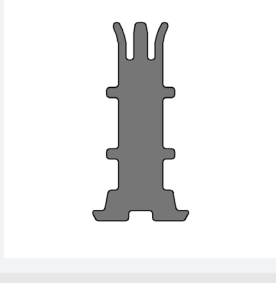
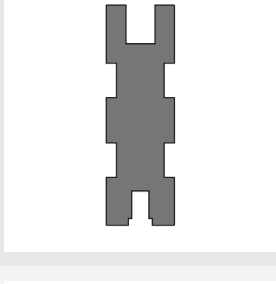
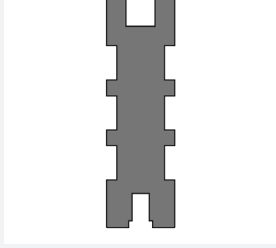
Plastic profiles

Reference	Material	Description	Drawing
W4030404	Synthetic	Thermal break profile 18mm extender Construction depth: 18 mm Coloured marking: black	
W0196088	Synthetic	Thermal break profile 6mm Construction depth: 6 mm Infill thickness: 3 - 9 mm	
W0196058	Synthetic	Thermal break profile 12mm Construction depth: 12 mm Infill thickness: 9 - 15 mm	
W0196059	Synthetic	Thermal break profile 18mm Construction depth: 18 mm Infill thickness: 15 - 21 mm	
W0196060	Synthetic	Thermal break profile 24mm Construction depth: 24 mm Infill thickness: 21 - 27 mm	
W0196061	Synthetic	Thermal break profile 30mm Construction depth: 30 mm Infill thickness: 27 - 33 mm	

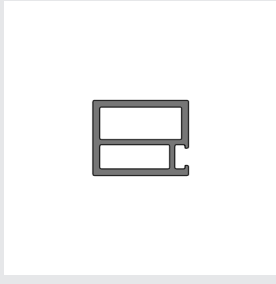
Plastic profiles

Reference	Material	Description	Drawing
W0196062	Synthetic	Thermal break profile 36mm Construction depth: 36 mm Infill thickness: 33 - 39 mm	
W0196063	Synthetic	Thermal break profile 42mm Construction depth: 42 mm Infill thickness: 39 - 45 mm	
W0196064	Synthetic	Thermal break profile 48mm Construction depth: 48 mm Infill thickness: 45 - 51 mm	
W4030267	Synthetic	Thermal break profile 54mm Construction depth: 54 mm Infill thickness: 51 - 57 mm	
W4030268	Synthetic	Thermal break profile 60mm Construction depth: 60 mm Infill thickness: 57 - 63 mm	
W0196152	Foam	Thermal break profile 24mm HI Construction height: 24 mm Infill thicknesses: 21 - 27 mm	

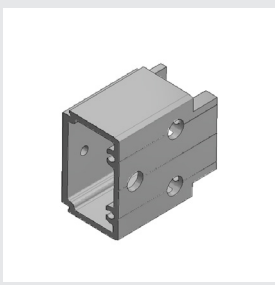
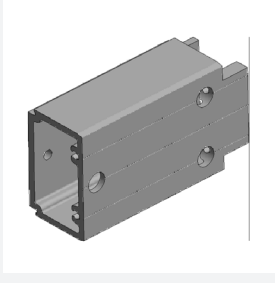
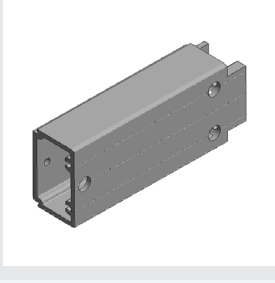
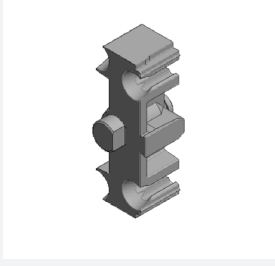
Plastic profiles

Reference	Material	Description	Drawing
W0196153	Foam	Thermal break profile 30mm HI Construction height: 30 mm Infill thicknesses: 27 - 33 mm	
W0196154	Foam	Thermal break profile 36mm HI Construction height: 36 mm Infill thicknesses: 33 - 39 mm	
W4090105	Foam	Thermal break profile 42mm HI Construction height: 42 mm Infill thicknesses: 39 - 45 mm.	
W4090069	Foam	Thermal break profile 48mm HI Construction height: 48 mm Infill thicknesses: 45 - 51 mm.	
W4090058	Foam	Thermal break profile 64.3mm HI Construction height: 54 mm Infill thicknesses: 51 - 57 mm.	
W4090061	Foam	Thermal break profile 70.3mm HI Construction height: 60 mm Infill thicknesses: 57 - 63 mm.	



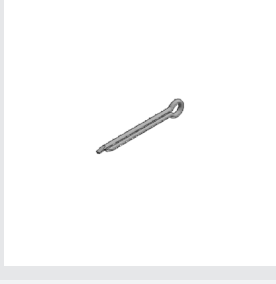

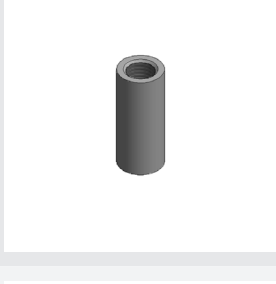

Plastic profiles

Reference	Material	Description	Drawing
W0196080	Synthetic	Rebate closing profile 22x6mm Application: As adapter for W4030138 and W4030144.	
W0196077	Synthetic	Rebate closing profile 22x22mm Application: W0196060 For one sided infill of glazing rebate	
W0196078	Synthetic	Rebate closing profile 22x28mm Application: W0196061 For one sided infill of glazing rebate	
W0196079	Synthetic	Rebate closing profile 22x34mm Application: W0196062 For one sided infill of glazing rebate	
W4030144	Synthetic	Rebate closing profile 22x40mm Application: W0196063 For one sided infill of glazing rebate	
W4030138	Synthetic	Rebate closing profile 22x52mm Application: W4030267 For one sided infill of glazing rebate	




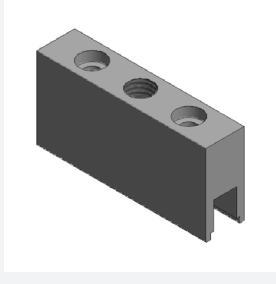
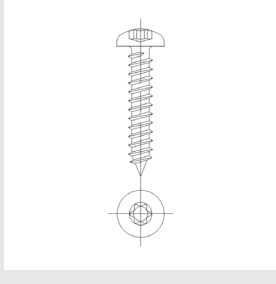
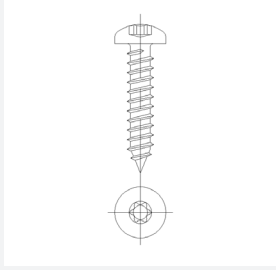
T-connectors

Reference	Material	Description	Drawing
W4060113	Aluminium	T-Connector 55.2x61mm end load Connecting device: 3 x W4070176 ST4.8 x 11 (Torx)	
W4060114	Aluminium	T-Connector 55.2x101mm end load Connecting device: 3 x W4070176 ST4.8 x 11 (Torx)	
W4060115	Aluminium	T-Connector 55.2x141mm end load Connecting device: 3 x W4070176 ST4.8 x 11 (Torx)	
W4060119	Multi-material	Anti-rotation 60	



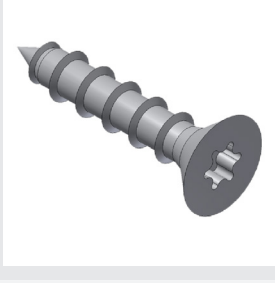

Fixing elements

Reference	Material	Description	Drawing
W0198069	Stainless Steel	Threaded rod M8x1000mm stainless steel	
W0198072	Stainless Steel	Pin Ø4x16mm stainless steel Drill Ø4.1 mm	
W0198041	Stainless Steel	Pin Ø4x32mm stainless steel Application: Type 1	
W0198185	Stainless Steel	Pin Ø4x60mm	
W0198015	Aluminium	Threaded rod Ø28x65.5mm aluminium Application: Type 2	
W0198043	Stainless Steel	Pin Ø8x18mm stainless steel Application: Type 1 KP, Type 1 FP, Type 2B, Type 2D	

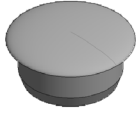
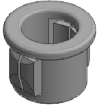
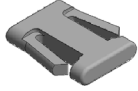


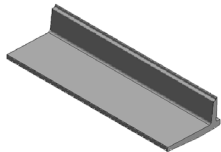
Fixing elements

Reference	Material	Description	Drawing
W0198014	Stainless Steel	Axle Ø15x103mm to structure Application: Type 1	
W4070024	Zamak	Safeguarding piece T25 Screw head safeguarding drive-in piece for Torx drive T25	
W4080079	Miscellaneous	Fixing set solar shading Drill template: X5010467 Application with WARWIC bolt	
W4080080	Aluminium	Fixing part M12 scaffold anchor Fixing with framework anchor screw M12. For transom profiles of L2/L3S. Connecting device: 2 x W4070081 ST5.5 x 29 (Torx)	
W4070170	Stainless Steel	Pan head screw C cone ST3.5x19,A2 T15	
W4070041	Stainless Steel	Pan head screw C cone ST3.9x19,A2 T15	

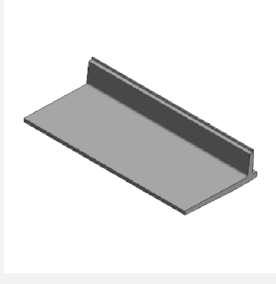
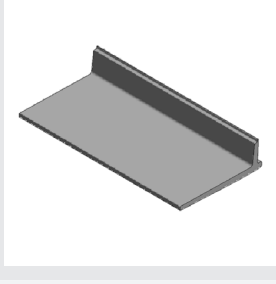
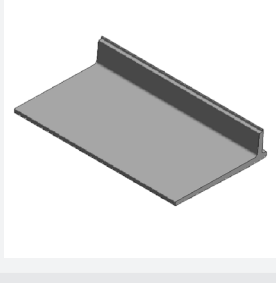
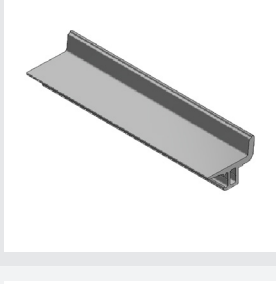
Fixing elements

Reference	Material	Description	Drawing
W4070545	Multi-material	Pan head screw self drill. ST5x16,A2 T25 with seal coating	
W4070559	Stainless Steel	Pin Ø6x60mm heavy load	
W4670698	Stainless Steel	Countersunk screw C cone ST6.3x25,A2 T25	
W4671171	Steel	Screw 6.8x20mm headless T25 T25	

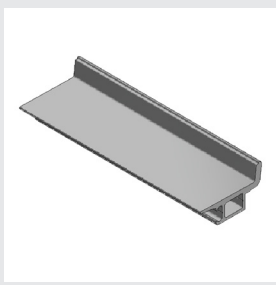
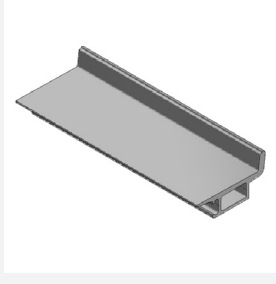
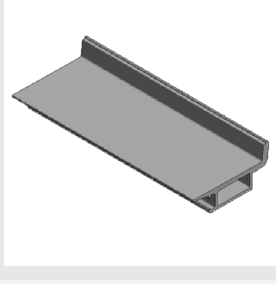
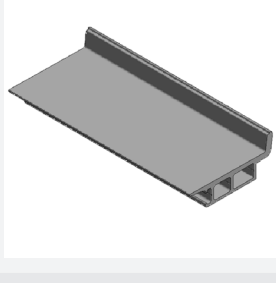
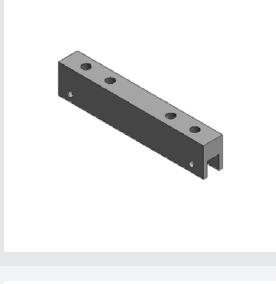
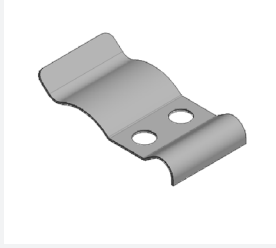
Others

Reference	Material	Description	Drawing
W4040273	Synthetic	Screw cover 15mm Cover for framework anchor boreholes Ø15 mm in pressure profile.	
W4040404	Synthetic	Grommet 8mm cable routing	
W4040831	Synthetic	Safeguarding piece heavy load Usage with connection pin W4070559.	
W0197427	Synthetic	Drainage cap Ø10mm Drill template: W5010383	
W4140431	Synthetic	Finish cover	
W4080519	Aluminium	Glazing support 60/32.7mm Application: W0196060 with transom profiles L2.	

Others

Reference	Material	Description	Drawing
W4080520	Aluminium	Glazing support 60/38.7mm Application: W0196061 with transom profiles L2.	
W4080521	Aluminium	Glazing support 60/44.7mm Application: W0196062 with transom profiles L2.	
W4080522	Aluminium	Glazing support 60/50.7mm Application: W0196063 with transom profiles L2.	
W4080523	Aluminium	Glazing support 60/56.7mm Application: W0196064 with transom profiles L2.	
W4080530	Aluminium	Glazing support 60/38.5mm reinforced Application: W0196061 with transom profiles L2 Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	
W4080531	Aluminium	Glazing support 60/44.5mm reinforced Application: W0196062 with transom profiles L2 Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	

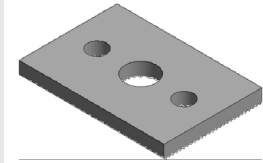

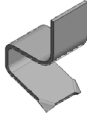
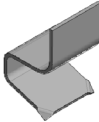
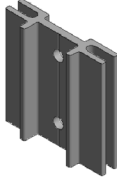

Others

Reference	Material	Description	Drawing
W4080532	Aluminium	Glazing support 60/50.5mm reinforced Application: W0196063 with transom profiles L2 Connecting device: 1 x 4070176 ST4.8 x 11 (Torx)	
W4080533	Aluminium	Glazing support 60/56.5mm reinforced Application: W0196064 with transom profiles L2 Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	
W4080534	Aluminium	Glazing support 60/62.5mm reinforced Application: W4030267 with transom profiles L2 Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	
W4080535	Aluminium	Glazing support 60/68.5mm reinforced Application: W4030268 with transom profiles L2 Connecting device: 1 x W4070176 ST4.8 x 11 (Torx)	
W0197282	Aluminium	Bracket solar shading Application: As mounting part for sunshade. Connecting device: 2 x W0198072 Grooved pin 4 x 16 Threaded rod W0198069	
W4080264	Stainless Steel	Sheet metal clamp For clamping materials of 2 - 3 mm thickness	

Others

Reference	Material	Description	Drawing
W0197308	Aluminium	<p>Fixing part 55x185mm to structure</p> <p>Application: For mullion profiles of L1. Connecting device: Counter plate for WICTEC AN Type 2, Type 3.</p>	
W0197011	Aluminium	<p>Anchor type3 to structure</p> <p>Application: Type 5B, Type 5D, Type 3B, Type 3D, Type 4B, Type 4D, WICTEC AN</p>	
W0197010	Aluminium	<p>Anchor type3 to structure</p> <p>Application: Type 3 Cut from profile W0130116 = 60 mm for W0197010. Connecting device: 2 x hexagon head screw M10 x 30 DIN 933</p>	
W0197001	Aluminium	<p>Anchor type1 to structure</p> <p>Application: Type 1W Cut from profile W0130114 = 130 mm for W0197001.</p>	
W0197006	Aluminium	<p>Serrated washer Ø13mm</p> <p>Application: Type 5B</p>	
W0197007	Aluminium	<p>Serrated washer Ø20.5mm</p> <p>Application: Type 2B, Type 2D, Type 2W</p>	

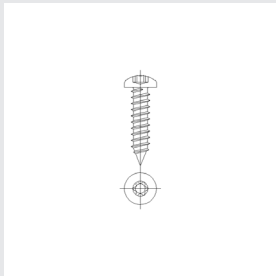
Others

Reference	Material	Description	Drawing
W0197008	Aluminium	Serrated washer Ø13mm, 2xØ8mm Application: Type 2KP/1FP, Type 2B, Type 2D	
W0197328	Aluminium	Corner spring 8mm As blocker for sealing adapter profile joints. 1 piece per corner joint	
W0197329	Aluminium	Corner spring 14mm As blocker for sealing adapter profile joints. 1 piece per corner joint	
W0197330	Aluminium	Corner spring 20mm As blocker for sealing adapter profile joints. 1 piece per corner joint	
W4080514	Aluminium	Safeguarding piece cover cap Mounted on pressure profile W3030265, for safeguard of cover profiles. Connecting device : W4070041 / W4070057, ST3.9 x 19 (Torx).	
W4080555	Aluminium	Toggle 10x80mm 10mm	


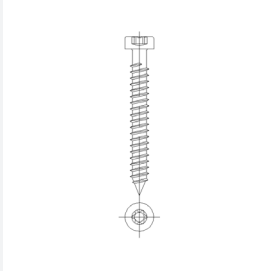

Others

Reference	Material	Description	Drawing
W4080556	Aluminium	Toggle 16x80mm 16mm	
W4080557	Aluminium	Toggle 22x80mm 22mm	
W4080513	Multi-material	Punctual pressure piece HL/VL	
W0197111	Stainless Steel	Fixing part to structure used for anchor type 2F,2U,2W,3F,4F and 5F	
W0197024	Stainless Steel	Fixing part type3 to structure Application: Type 2, Type 3 Available on request as safety device against lifting.	
W6970054	Aluminium	Support piece 26mm For clamping frame with hinge fixation.	

Fixing elements table

Reference	Values	Description	Drawing
W4070043	ST3.9x25	Screw pan head A2 T15/T25	
W4070175	ST4.8x9.5		
W4070176	ST4.8x11		
W4070025	ST4.8x13		
W4070080	ST5.5x23		
W4070081	ST5.5x29		
W4070082	ST5.5x35		
W4070083	ST5.5x41		
W4070084	ST5.5x47		
W4070085	ST5.5x53		
W4070086	ST5.5x59		
W4070087	ST5.5x65		
W4070088	ST5.5x71		
W4070028	ST5.5x77		
W4070089	ST5.5x23		
W4070090	ST5.5x29		
W4070091	ST5.5x35		
W4070092	ST5.5x41		
W4070093	ST5.5x47		
W4070094	ST5.5x53		
W4070095	ST5.5x59		
W4070096	ST5.5x65		
W4070097	ST5.5x71		
W4070513	ST5.5x77		
W4070142	ST5.5x83		

Fixing elements table

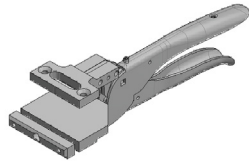
Reference	Values	Description	Drawing
W4070133	ST5.5x73	Screw socket cap A2 Head height 3.5 mm T25	
W4070134	ST5.5x79		
W4070247	ST5.5x43	Screw socket cap A4 Head height 3.5 mm T25	
W4070248	ST5.5x49		
W4070249	ST5.5x55		
W4070508	ST5.5x61		
W4070509	ST5.5x67		
W4070437	M8 x 80	Fixation bolt Application: Fixing sunshade	
W4070438	M8 x 85		
W4070439	M8 x 90		
W4070440	M8 x 95		
W4070401	M8 x 100		
W4070402	M8 x 110		
W4070403	M8 x 120		
W4070404	M8 x 130		
W4070405	M8 x 140		

	Page
Hand tools	10.2
Jigs and Templates	10.3
Machining tools	10.4
Punching tools	10.5
Sealants and glues	10.6

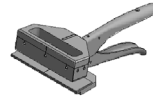
Hand tools



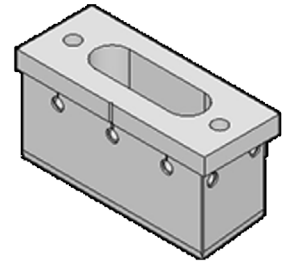
X5060080



X5060118



X5060119



X5060121

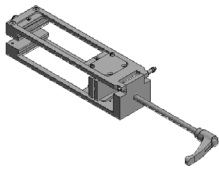


X5060057



X5060058

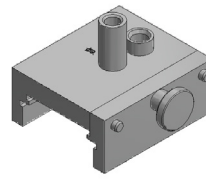
Jigs and Templates



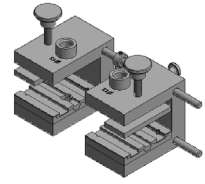
X5010271



X5010272



X5010273



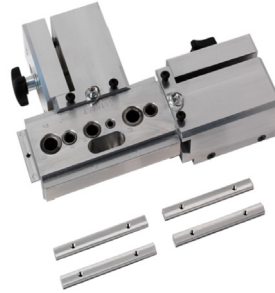
X5010277



X5010375



X5010390



X5010467

Machining tools



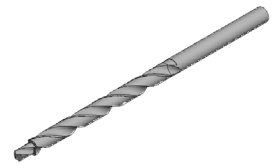
X5060007



X5060219



X5060220



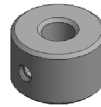
X5060006



X5060217



X5060218



X5060342

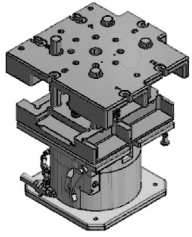


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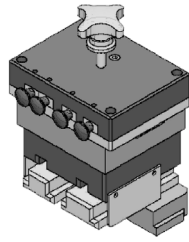


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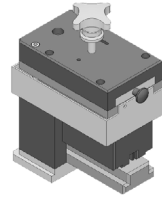
Punching tools



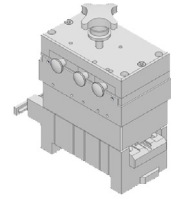
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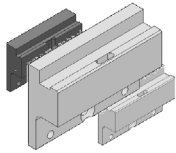
X5040193



X5040194



X5040195



X5040196



X5940008

Sealants and glues



X5070015



X5970006



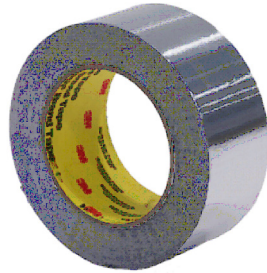
X5070009



X5070018






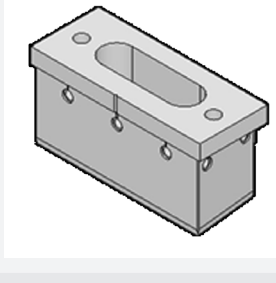
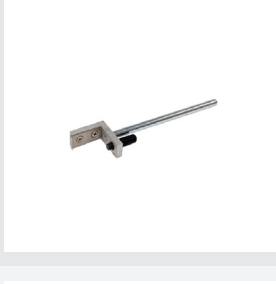

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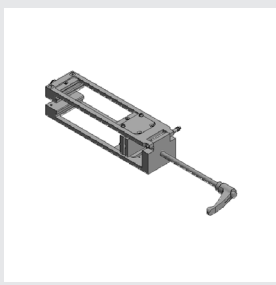
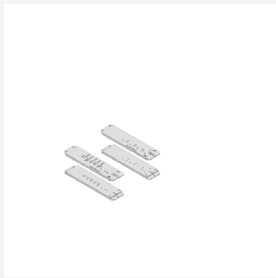
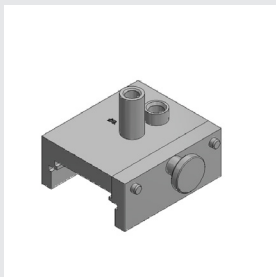
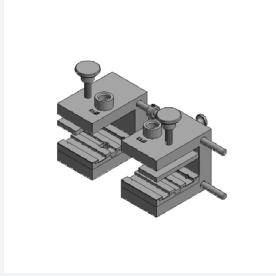


X5070068

	Page
Hand tools	11.2
Jigs and Templates	11.3
Machining tools	11.5
Punching tools	11.7
Sealants and glues	11.8


Hand tools

Reference	Material	Description	Drawing
X5060080	Miscellaneous	Gasket scissors	
X5060118	Multi-material	Gasket notching scissors Gasket scissors (basic tool) for use with cutting head X5060121, X5060122, X5060123 for cut-out of gaskets.	
X5060119	Miscellaneous	Scissors central gasket Gasket scissors for cut-out of central gasket.	
X5060121	Miscellaneous	Cutting set, gasket notching 60 Cutting head for X5060118 for cut-out 45 mm.	
X5060057	Multi-material	Glazing lever for dismantling cover profiles	
X5060058	Multi-material	Roller gasket tool	



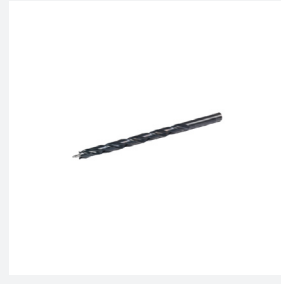

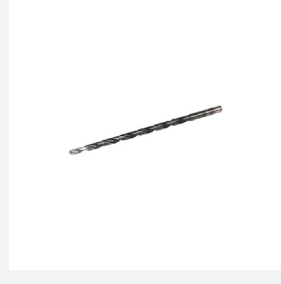

Jigs and Templates

Reference	Material	Description	Drawing
X5010271	Miscellaneous	<p>Drilling jig T-connection body</p> <p>Drill template (basic body) for transom joint with mullion profile.</p> <p>Usage with drill plates X5010272, X5010280, X5010281, X5010291.</p>	
X5010272	Steel	<p>Drilling jig T-connection plates</p> <p>Drill plates for X5010271 for mullion - transom joint with</p> <ul style="list-style-type: none"> -2x pin W4070559 -Anti-rotation-connector W4060119 -2x pin W4070559 and Anti-rotation-connector W4060119 -Reinforcement profiles W3030270 - W3030276 -T-connectors W4060113 - W4060115 -2x pin W4070559 and T-connectors W4060113 - W4060115 	
X5010273	Multi-material	<p>Drilling jig flat cap</p> <p>Drill template for drainage and screwing of pressure profiles.</p> <p>Usage with X5060006 and X5060342.</p>	
X5010277	Aluminium	<p>Drilling jig solar shading</p> <p>Drill template for sunshade fixing with mounting part W0197282.</p>	
X5010375	Multi-material	<p>Drilling jig</p> <p>for adaptor profiles of profile use with drill X5060007</p>	
X5010390	Multi-material	<p>Drilling jig</p> <p>Drill template for assembly anchor W0197010.</p>	




Jigs and Templates

Reference	Material	Description	Drawing
X5010467	Multi-material	Drilling jig solar shading for application of bolt and for fixation of cradle guide holder with step drill X5060217, X5060218, X5060219, X5060220.	

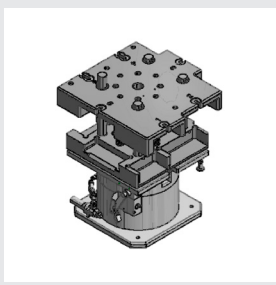
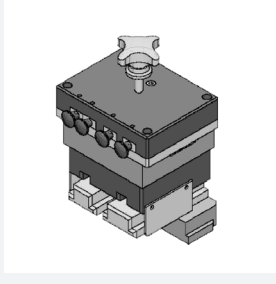
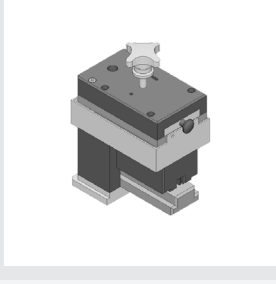
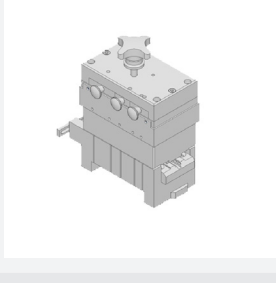
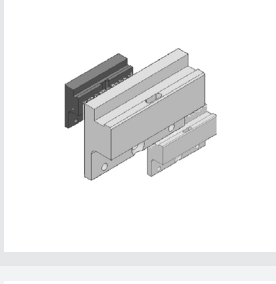

Machining tools

Reference	Material	Description	Drawing
X5060007	Steel	Stepdrill Ø3.2mm/Ø7mm Drill template: X5010375	
X5060219	Steel	Stepdrill Ø3.5mm/Ø11mm for fixing of cradle guide holder (borehole for fixed bearing) with drill template X5010467 and bit stop X5060343	
X5060220	Steel	Stepdrill Ø3.5mm/Ø13mm for fixing of cradle guide holder (borehole for movable bearing) with drill template X5010467 and bit stop X5060344	
X5060006	Steel	Stepdrill Ø6mm/Ø9mm For drill template W5010383, W5010266, W5010268. Use with bit stop X5060342.	
X5060217	Steel	Stepdrill Ø6.8mm/Ø9mm for sunshade fixing with bolt (borehole for fixed bearing) with drill template X5010467 and bit stop X5060342	
X5060218	Steel	Stepdrill Ø6.8mm/Ø13mm Step drill Ø13 mm / Ø6.8 mm for sunshade fixing with bolt (borehole for movable bearing) with drill template X5010467 and bit stop X5060344.	

Machining tools

Reference	Material	Description	Drawing
X5060342	Multi-material	Drill bit stop Ø9mm for step drill X5060006, X5060217.	
X5060343	Multi-material	Drill bit stop Ø11mm for step drill X5060219	
X5060344	Multi-material	Drill bit stop Ø13mm for step drill X5060218, X5060220	

Punching tools











Reference	Material	Description	Drawing
X5040000	Miscellaneous	Multi-function punching tool Pneumatic punching press with carrier for 6 interchangeable tools.	
X5040193	Miscellaneous	Punching tool L3S cassette T-connection Interchangeable tool for X5040000, X5040207 for transom joint with transom profile E3S.	
X5040194	Miscellaneous	Punching tool L2 cassette T-connection Interchangeable tool for X5040000 and X5040207 for mullion - transom joint with connection pin W4070559.	
X5040195	Miscellaneous	Punching tool cassette pressure plate Interchangeable tool for X5040000, X5040207 for drainage, air pressure equalization and screwing. For oblong hole 5 mm x 15 mm and hole punch Ø6 mm, Ø8 mm, Ø13 mm.	
X5040196	Miscellaneous	Punching tool cassette cover cap Conversion set of interchangeable tool X5940008 for X5040000, X5040207 for air pressure equalization and drainage, oblong hole 5 x 15 mm. Only for profiles with powder coating!	
X5940008	Miscellaneous	Punching tool cassette drainage Vapour pressure equalization and drainage of sash. Note for WICTEC: With conversion set 5040196 for cover profiles.	

Sealants and glues






Reference	Material	Description	Drawing
X5070015	Multi-material	Cleaner 5L for powder coated and anodized profiles	
X5970006	Miscellaneous	Primer 1L in combination with SILCOSEAL silicone sealant for pre-treatment and adhesion improvements on coated and uncoated metals as well as EPDM gaskets. Test coating prior to application, pay attention to data specification.	
X5070009	Miscellaneous	2-connect 2x300ml in tandem cartridge 2 x 300ml 1 set = 10 pieces including 10 static mixing nozzles black/white	
X5070018	Miscellaneous	Silicone sealant 310ml Silicone, 310 ml	
X5070044	Miscellaneous	Butyl sealant 300ml To seal in cases where materials containing silicone are not permissible. Colour: black	
X5070068	Aluminium	Aluminium tape 50mm 1 roll = 55 m	

	Page
Mullion profiles	12.2
Transom profiles	12.3
Reinforcement profiles	12.5
Pressure plate profiles	12.7
Cover caps	12.8
Additional profiles	12.10











Mullion profiles Y-X axis

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030220	687	199	67.02	14.11	39.97	13.32
	W3030221	767	239	121.21	21.59	47.02	15.67
	W3030222	847	279	194.87	29.99	54.06	18.02
	W3030223	925	319	314.04	40.74	62.55	20.85
	W3030224	1005	359	444.2	51.24	71.58	23.86
	W3030225	1085	399	598.44	62.21	78.93	26.31
	W3030226	1165	439	780.86	73.83	86.29	28.76





Transom profiles Y-X axis

			$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)	
	W3030243	880	318	359.14	46.65	68.02	22.67
	W3030244	960	358	501.45	57.24	77.07	25.69











Transom profiles

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030230	655	198	59.69	12.89	38.89	12.96
	W3030231	735	238	105.58	18.17	45.93	15.31
	W3030232	817	278	207.36	32.77	55.87	18.62
	W3030233	897	318	302.96	40.94	62.91	20.97
	W3030234	977	358	425.09	50.42	71.98	23.99
	W3030235	1057	398	568.96	60.01	79.33	26.44
	W3030236	1137	438	739.04	70.21	86.68	28.89










Reinforcement profiles Y-X axis

			$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)	
	W3030269	226	0	7.58	2.77	1.82	1.32





Reinforcement profiles

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030270	599	0	20.24	8.37	23.6	8.58
	W3030271	724	0	52.35	15.43	29.38	10.68
	W3030272	804	0	107.28	24.49	33.95	12.35
	W3030273	880	0	180.12	33.86	37.98	13.81
	W3030274	960	0	282.67	44.78	42.39	15.47
	W3030275	1040	0	414.46	56.74	46.96	17.14
	W3030276	1120	0	577.29	69.54	51.53	18.81




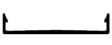
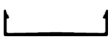

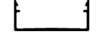
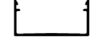
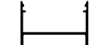
Pressure plate profiles

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030267	141	0	3.34	1.15	0.38	0.4
	W3030249	141	62	3.34	1.15	0.38	0.4
	W3030265	164	0	4.98	1.74	0.09	0.15
	W3030266	174	0	6.96	2.44	0.2	0.27
	W3030268	557	205	230.24	28.08	12.14	4.37
	W3000304	142	0	18.45	6.99	1.82	2.05






Cover caps Y-X axis

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030259	578	217	22.26	7.42	41.92	8.37













Cover caps

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030251	164	82	5.4	1.8	0.1	0.11
	W3030252	178	89	6.12	2.04	0.22	0.18
	W3030253	208	99	8.19	2.73	0.55	0.36
	W3030254	228	109	9.47	3.16	1.05	0.56
	W3030255	248	119	10.76	3.59	1.76	0.81
	W3030257	435	159	20.7	6.9	7.73	2.32









Additional profiles Y-X axis

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W0130114	0	0	420.4	49.77	1456.44	121.37
	W3940019	98	17	0.21	0.24	0.12	0.12

Additional profiles

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W0135130	0	8	0.13	0.14	0.08	0.15
	W0135131	125	14	0.35	0.28	0.11	0.2
	W0135132	149	20	0.71	0.47	0.14	0.26
	W0135137	84	7	0.06	0.06	0.08	0.12
	W0135138	101	13	0.16	0.13	0.09	0.16
	W0135139	132	19	0.36	0.22	0.13	0.22
	W3030260	455	29	4.99	2.01	15.24	5.08
	W3000293	366	0	10.58	5.87	21.31	7.72
	W3030280	532	0	16.43	6.62	29.49	10.68

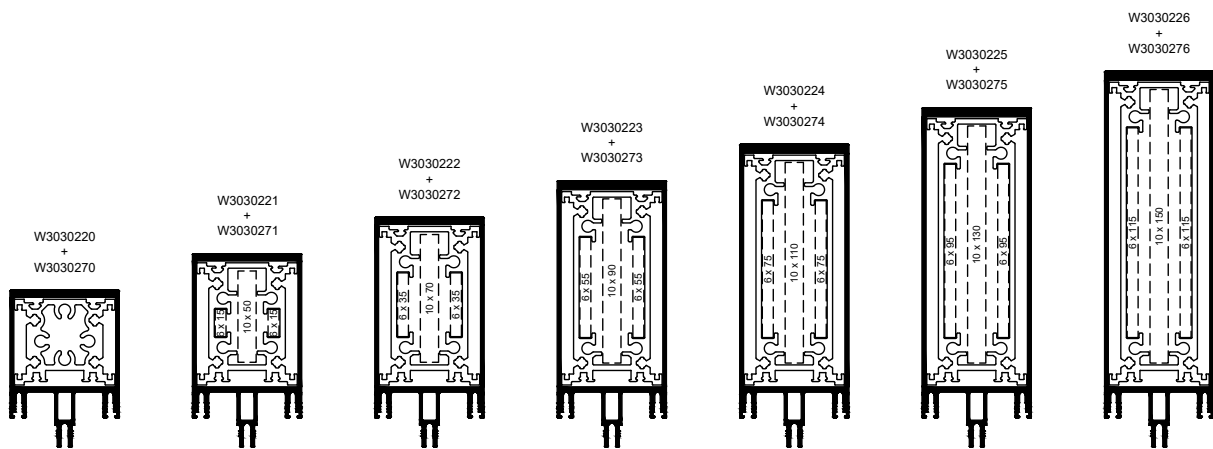
Additional profiles

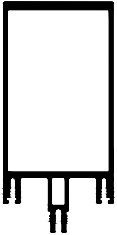
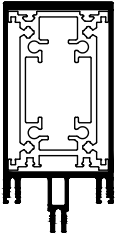
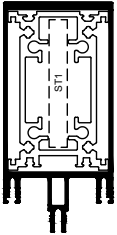
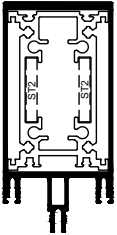
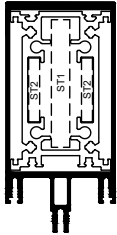

				$I_{x_{eff}}$ (cm ⁴)	$W_{x_{eff}}$ (cm ³)	I_y (cm ⁴)	W_y (cm ³)
	W3030280	532	0	16.43	6.62	29.49	10.68
	W3391238	335	0	238.24	33.31	1.71	2.14
	W0135177	92	0	0.02	0.06	0.54	0.37
	W0135178	116	0	0.44	0.33	0.44	0.29
	W0130563	80	0	0.07	0.11	0.66	0.44

	Page
Inertia values	13.2
<i>Selection table reinforcement</i>	<i>13.2</i>

Inertia values

Selection table reinforcement - Mullion profiles

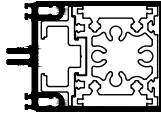


						ST1			ST2			ST1	ST2	lxx cm4	lyy cm4
	lxx cm4	lyy cm4		lxx cm4	lyy cm4		lxx cm4	lyy cm4		lxx cm4	lyy cm4				
W3030220	67,02	39,97	W3030270	87,26	63,57	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
W3030221	121,21	47,02	W3030271	173,56	76,40	10 x 50	204,07	77,62	2x6x15	174,55	76,56	10 x 50	2x6x15	205,05	77,78
W3030222	194,87	54,06	W3030272	302,15	88,01	10 x 70	385,86	89,72	2x6x35	314,71	88,38	10 x 70	2x6x35	398,41	90,09
W3030223	314,04	62,55	W3030273	494,16	100,53	10 x 90	672,07	102,73	2x6x55	542,88	101,11	10 x 90	2x6x55	720,79	103,31
W3030224	444,20	71,58	W3030274	726,87	113,97	10 x 110	1051,70	116,65	2x6x75	850,42	114,76	10 x 110	2x6x75	1175,25	117,45
W3030225	598,44	78,93	W3030275	1012,90	125,89	10 x 130	1549,07	129,06	2x6x95	1263,99	126,89	10 x 130	2x6x95	1800,16	130,06
W3030226	780,86	86,29	W3030276	1358,15	137,82	10 x 150	2181,81	141,48	2x6x115	1803,55	139,03	10 x 150	2x6x115	2627,21	142,69

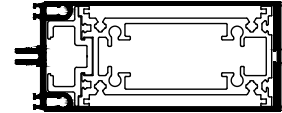
Inertia values

Selection table reinforcement - Transom profiles

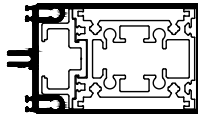
W3030230
+
W3030270 +
W3030269



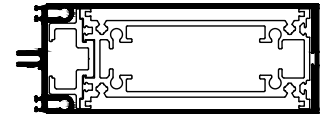
W3030233
+
W3030273 +
W3030269



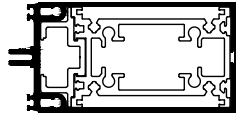
W3030231
+
W3030271 +
W3030269



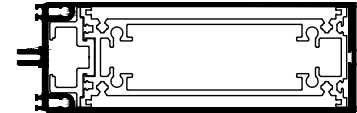
W3030234
+
W3030274 +
W3030269



W3030232
+
W3030272 +
W3030269

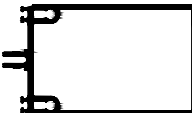
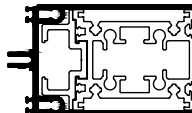




W3030235
+
W3030275 +
W3030269



W3030236
+
W3030276 +
W3030269



					
	lxx	lyy		lxx	lyy
	cm4	cm4		cm4	cm4
W3030230	59,69	38,89	W3030270 W3030269	81,75	70,07
W3030231	105,58	45,93	W3030271 W3030269	159,75	82,89
W3030232	207,36	55,87	W3030272 W3030269	316,46	97,40
W3030233	302,96	62,91	W3030273 W3030269	484,90	108,47
W3030234	425,09	71,98	W3030274 W3030269	709,58	121,95
W3030235	568,96	79,33	W3030275 W3030269	985,24	133,87
W3030236	739,04	86,68	W3030276 W3030269	1318,15	145,79

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