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Technical Datasheets

MAXPARETE HSP
High Sound Proofing

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MAXPARETE HSP
High Sound Proofing

The **MAXPARETE HSP** operable partition represents the ideal solution in order to dynamically close rooms high up to more than 10 meters, assuring a perfect sound proofing.

MAXPARETE HSP consists of independent elements which slide by ball bearing trolleys in a track fixed to the ceiling. This system eliminates floor guides or floor attachments which are antiaesthetic and encumber the way. When closed the partition is perfectly aligned and sound proof. The sliding is warranted by one or two ball bearing trolleys at a very high resistance. Every element consists of a metal frame covered with high density chipboard panels 16/18 mm thick. These elements can be finished with a wide variety of finishings. Continuous floor and ceiling seals consist of soft rubber seals carried in an aluminium section manually operated by means of a control placed on the rabbets. The rubber seals carried in aluminium section are compressed against the floor and the covering of the track in order to lock panels.

The last element of the wall has one more moving telescopic mechanism, with a side sliding. This mechanism is manually operated by a control placed on a side of the panel itself.

Pass doors of different measures may be fitted to any intermediate element (except for the telescopic closure element) of the **MAXPARETE HSP** operable partitions without altering the normal functionality.

Technical Characteristics

Thickness
Standard elements are 106 / 110 mm thick for sound insulation up to 50 dB. Thickness is 126 mm for higher insulation.

Finishings
Aluminium natural profiles

Panels surfaces in:
- Raw standard chipboard or raw fire-resistant chipboard to be covered by customer with upholstery, cloth, carpet, etc.
- Raw melamine paper on fire-resistant chipboard
- Standard colours melamine paper on fire-resistant chipboard
- Standard colours High Pressure Laminate on normal or fire-resistant chipboard
- Standard vinyl coverings on normal or fire-resistant chipboard
- Wood coverings (Mahogany, Tanganika, Douglas, Elm, Mansonia, Ash, Pine, Oak, Teak, Chestnut and others on request) on normal or fire-resistant chipboard

Sound Proofing
When closed the operable partition is perfectly aligned, without fissures and mechanical parts in view. **MAXPARETE HSP** allows a sound proofing (Rw index) from 41 to 57 dB according to the types.

The materials used for the supply are tested according to UNI EN ISO 717-1 and UNI EN ISO 10140-2 standards. The test report (if demanded) is available within 30 days maximum prior to the delivery of the partitions, evidencing the conformity to the soundproofing requests and is attached to the transport documents.

More, the customer can assist to the tests with at least a 15 days warning.

Fire Reaction

- High Pressure Laminate on fire-resistant chipboard: Class 1 (UNI 9174) - Class B,s1-d0 (EN 13501-1)
- Melamine paper on fire-resistant chipboard: Class 1 (UNI 9174) - Class B,s2-d0 (EN 13501-1)
- Wood coverings with fireproof paint on fire-resistant chipboard: Class 1 (UNI 9174)
- Raw melamine paper on fire-resistant chipboard: Class B,s2-d0 (EN 13501-1)

Resistance to Shocks

UNE 41956-1 compliant

Weights

The weight of the partition is 45/70 kg /m^2. according to the finishing of the surface and the sound proofing level.

Laboratory Tests

The very high performance of **MAXPARETE HSP** sound proofing, the fire tests, the quality of the materials and of the productive process are verified and tested by the main European Laboratories.

MAXPARETE HSP has obtained sound proofing and fire reaction certificates from CSI and Ministero

Elements

STANDARD ELEMENT

The standard element represents the typical element used to close the different rooms. Elements are locked in shut position by means of two movable elements which are simultaneously hand or electrically operated by a control inserted in the rabbet; the movable elements are pushed against the floor and the rail, so that the wall space is hermetically closed. The standard width of the elements is between 800 and 1200 mm (between 800 and 1250 mm in case of coverings in High Pressure Laminate). By request we can supply elements with greater width.

For elements with 55 dB and 57 dB sound proofing thickness increases from 106 / 110 to 126 mm.

SELF-BEARING STANDARD ELEMENT

Once the element is put in position and locked, it can lighten his weight the overhanging structure.
This way, the load-bearing structures are burdened by the elements weight only during sliding operations (i.e. only one element at a time). It is very important that each element is correctly placed in position perfectly perpendicular and aligned with others before locking. The standard width of the elements is between 800 and 1200 mm (between 800 and 1250 mm in case of coverings in High Pressure Laminate). By request we can supply elements with greater width. It is not possible to produce self-bearing expander elements and self-bearing elements with pass doors inserted.

EXPANDER ELEMENT

The opening and closing manoeuvres of the partitions are effectuated by means of the expander element, always installed laterally. This one is the first one to be unlocked when you need to open the rooms and stack the elements and the last one to be locked when you need to close the rooms. The expander element is produced in two versions - **MONODIRECTIONAL** and **MULTIDIRECTIONAL** - with variable width.

For elements with 55 dB and 57 dB sound proofing thickness increases from 145 to 166 mm.

ELEMENT WITH GLAZED VISION PANEL

Following the standard element characteristics it is possible to insert in each element a glazed vision panel with different measures and finishings. Also in this case elements are locked in shut position by means of two movable elements which are simultaneously hand operated by a control inserted in the rabbet; the movable seals are pushed against the floor and the rail, so that the wall space is hermetically closed. Elements width is as previously stated for standard elements.

Every element is 106 / 110 mm thick and is not available in 55 and 57 dB versions.

SINGLE PASS DOOR ELEMENT

Pass doors may be fitted to any intermediate element except for the telescopic closure element. The elements where we can insert a pass door have a fixed width of 1220 mm and allow a pass door wing of 900 with an height of 2120 mm. The thickness of the pass doors is 106 mm. By request we can supply elements with special measures.

This type of elements is not available in 55 and 57 dB versions.

DOUBLE PASS DOOR ELEMENT

For the series with double ball bearing trolleys we can also supply a double pass door. This couple of elements has a standard total width of 2140 mm or 2340 mm and allows the insertion of 1800 mm doors with an height of 2120 mm. Pass door thickness is 106 mm. By request we can supply elements with special measures.

This type of elements is not available in 55 and 57 dB versions.

PASS DOOR ELEMENT INSERTED IN THE WALL

In order to guarentee the passage between two or more rooms partitioned by MAXPARETE HSP, we can produce a pass door element inserted in the wall. This type of element has no trolleys and is laterally fixed to one of the existing walls.. This pass door element is 3000 mm high maximum and with a wing 106 mm thick and 900 mm maximum width.

This type of elements is not available in 55 and 57 dB versions.

Tracks

Tracks are in **EN AW 6005/A** high resistance aluminium. The manoeuvre of the elements is easy and you can do it without effort. The ball bearing trolleys slide with precision in the aluminium track. The different typologies and the different utilization ways of the tracks are shown here below:

TRACK TYPE 100
Suitable for monodirectional stacking scheme
- Utilizing 1 trolley type 10 for heights up to 3,5 m

TRACK TYPE 800
Suitable for multidirectional stacking scheme
- Utilizing 2 trolleys type 80 for heights up to 6,5 m

TRACK TYPE 1000
Suitable for multidirectional stacking scheme
- Utilizing 2 trolleys type 1000 for heights from 6,5 m

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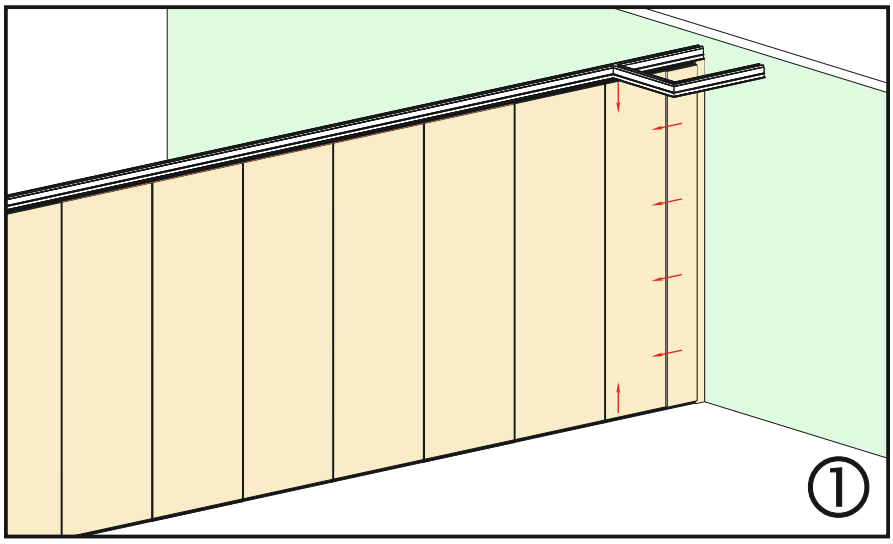
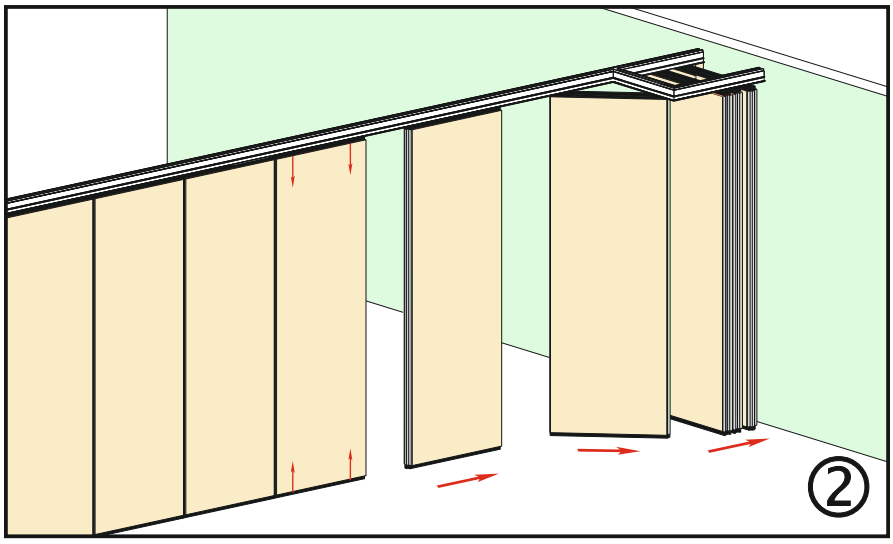
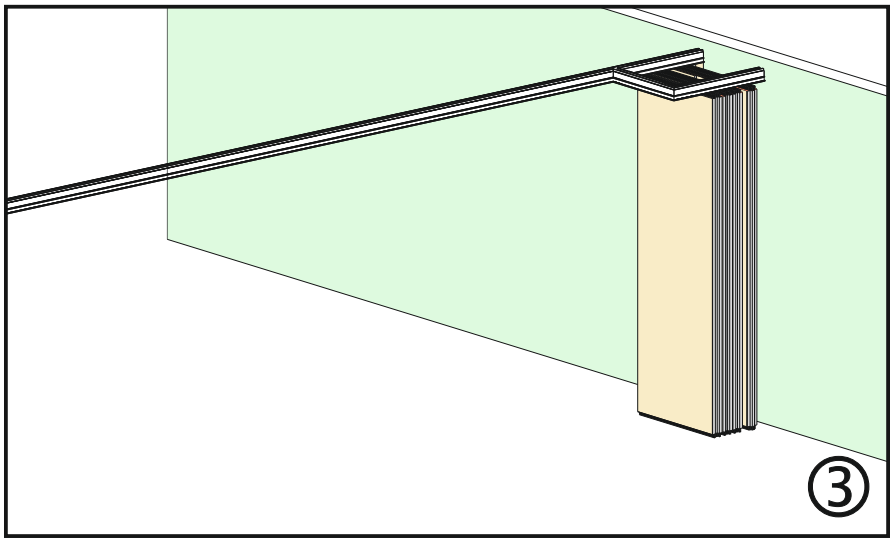
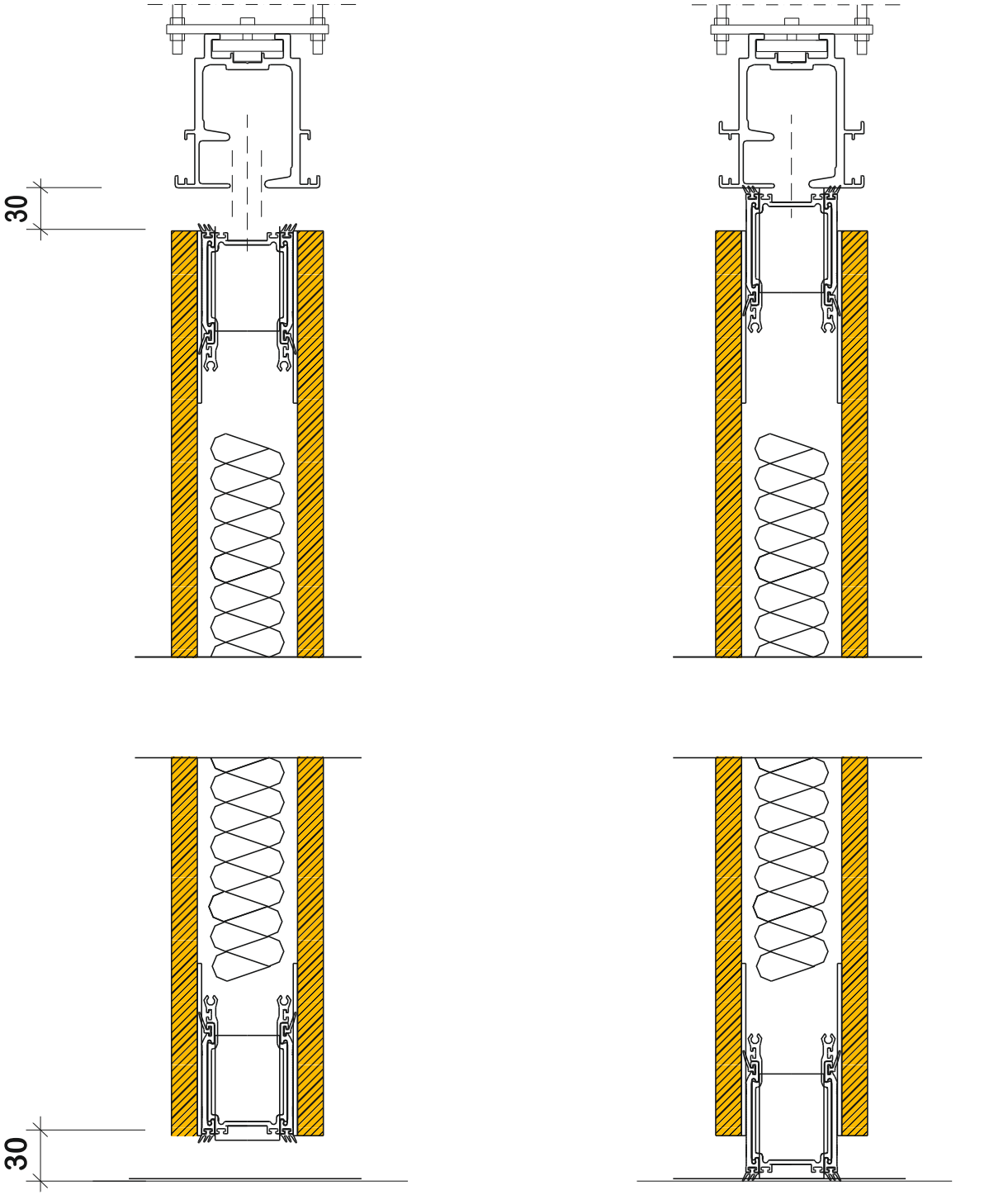
Working Scheme



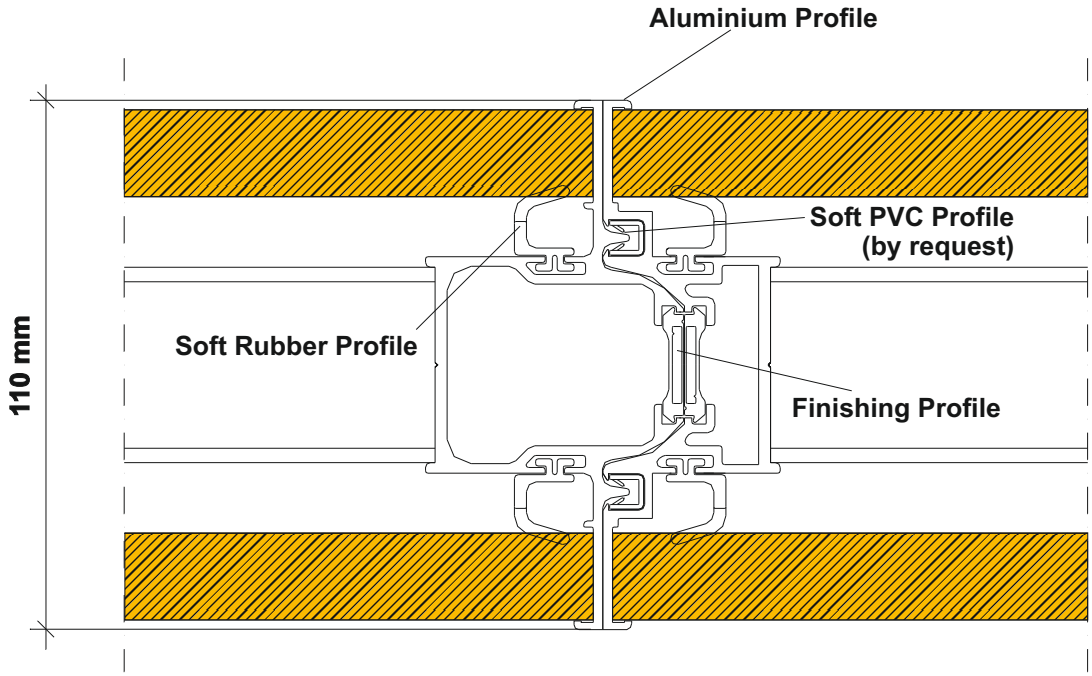




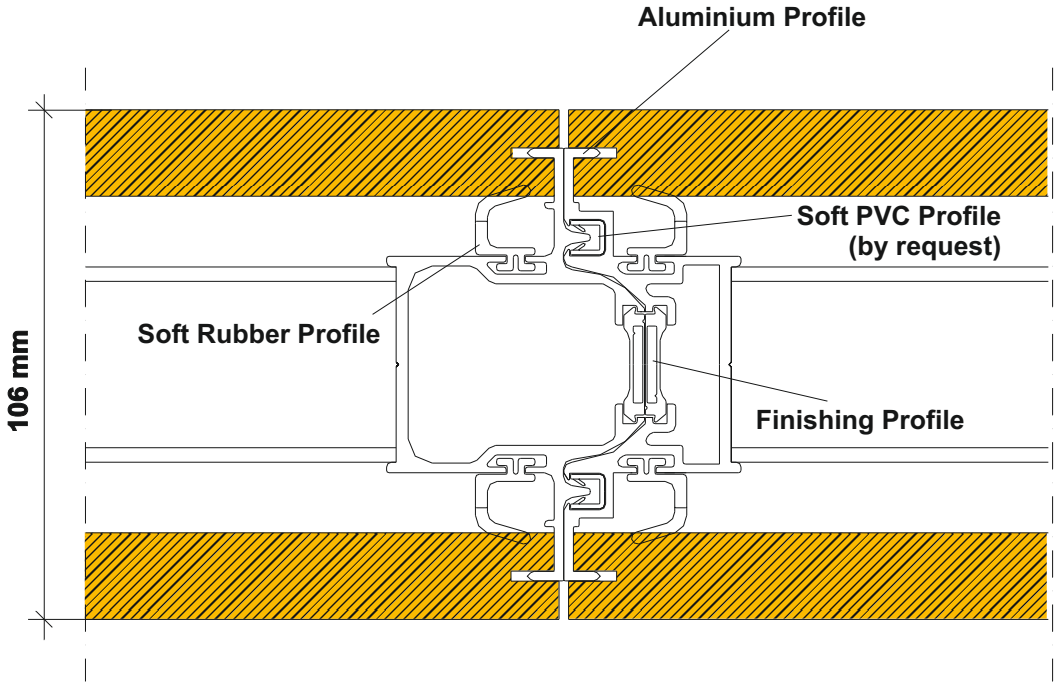
Standard Element - Vertical Section



Horizontal Section Standard Element

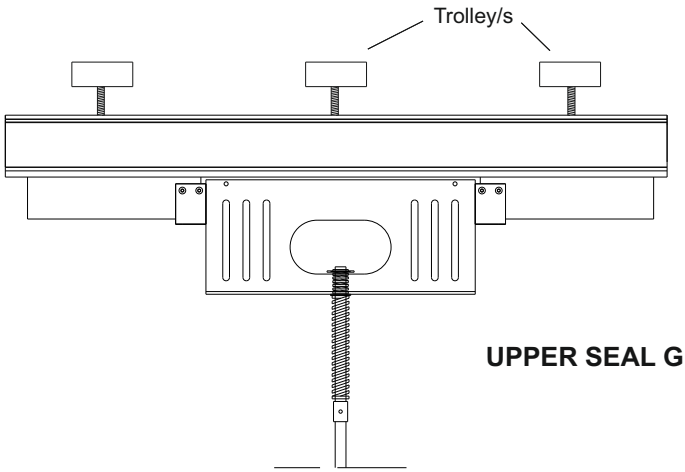


"VISIBLE" VERTICAL ALUMINIUM TRIMS

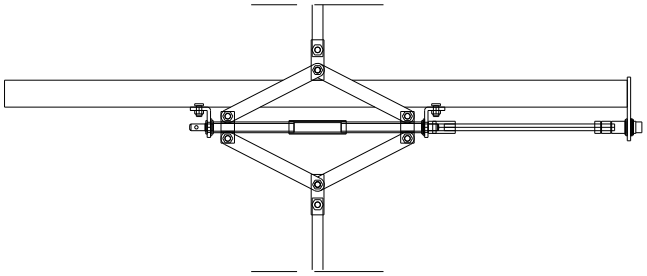


"NOT VISIBLE" VERTICAL ALUMINIUM TRIMS

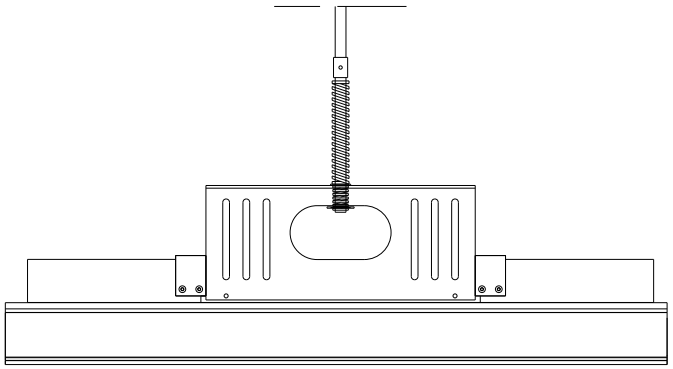
Seal and Movement Standard Element



UPPER SEAL GROUP

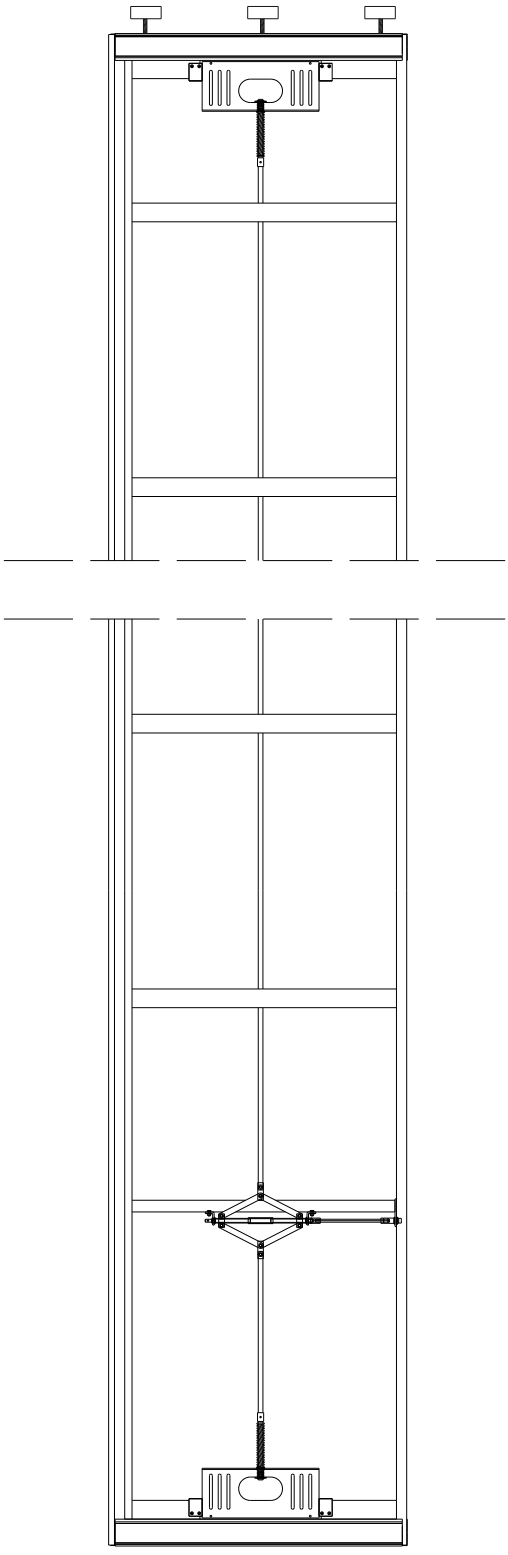


CENTRAL MOVEMENT GROUP

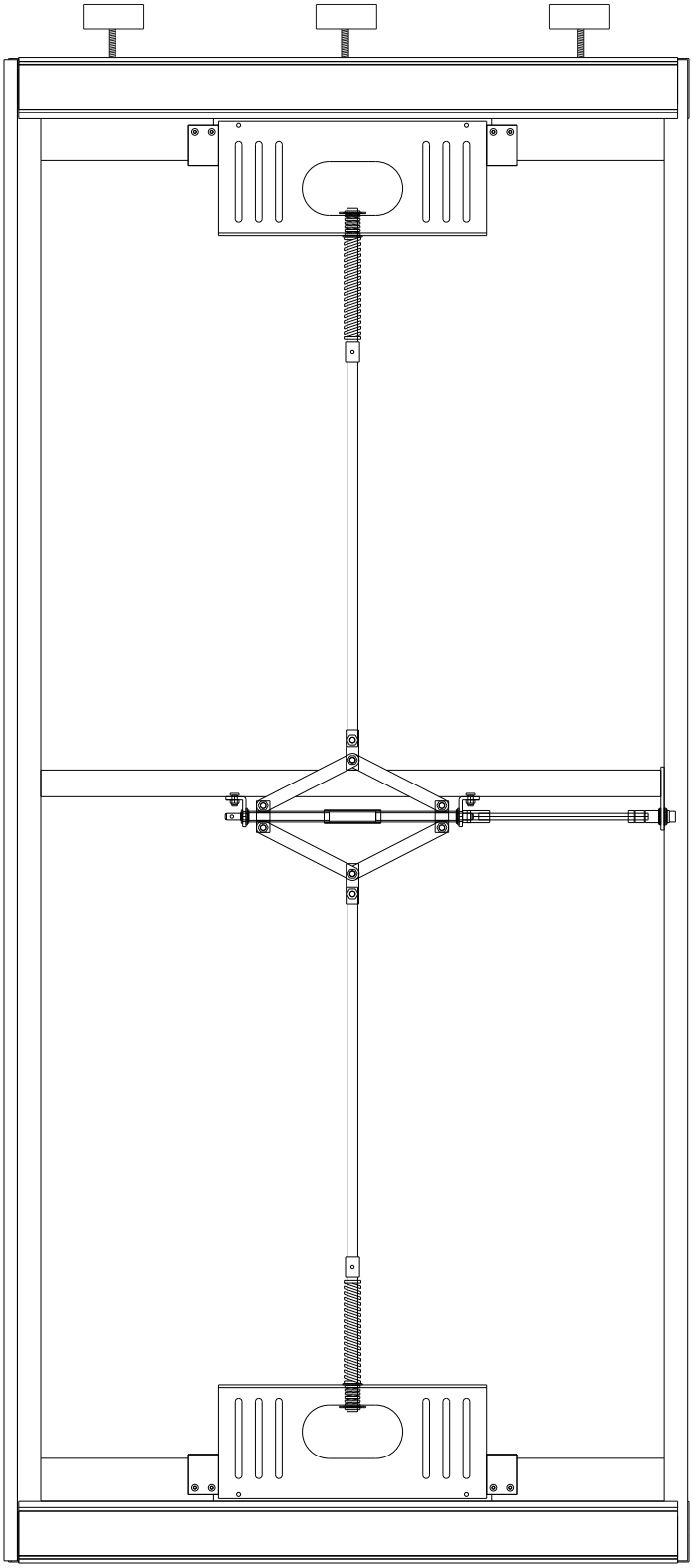


LOWER SEAL GROUP

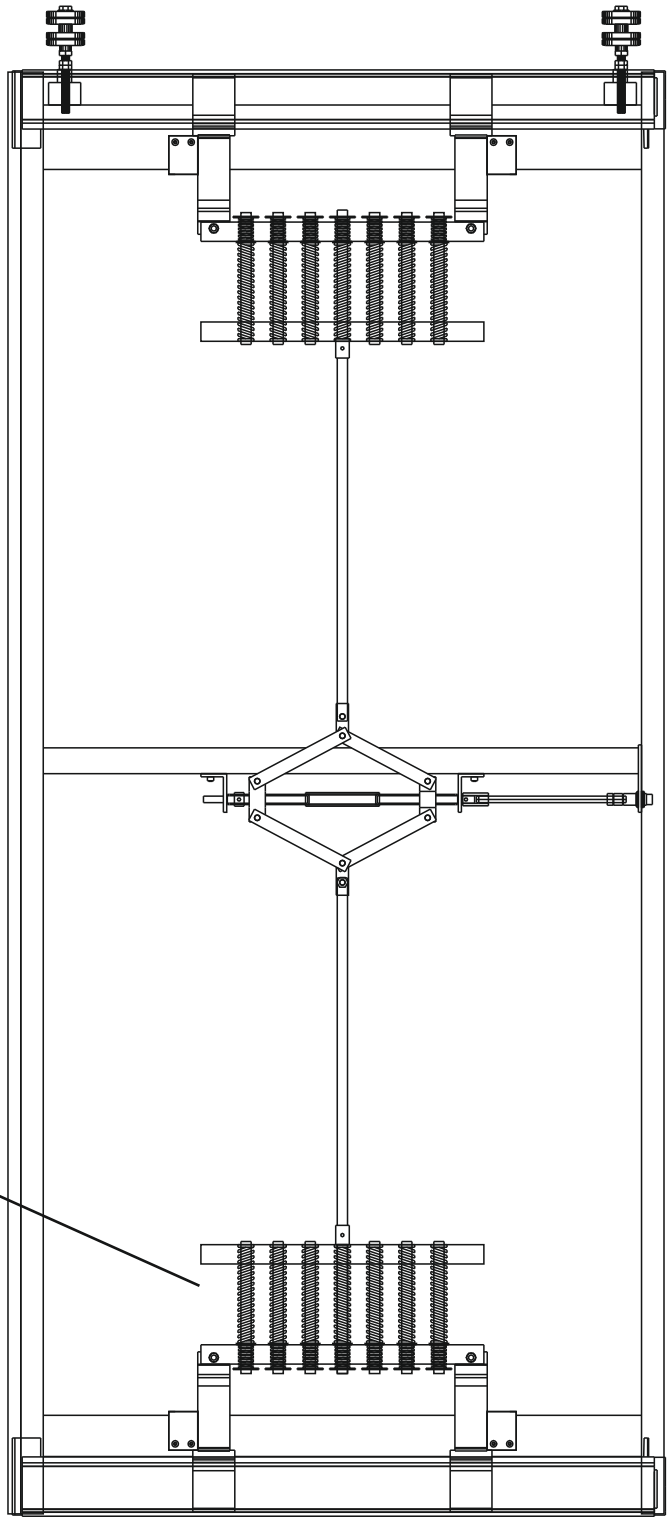
Standard Element with Extra Cross-bars - for heights more than 3060 mm



Standard Element without Frame - for heights less than 3060 mm

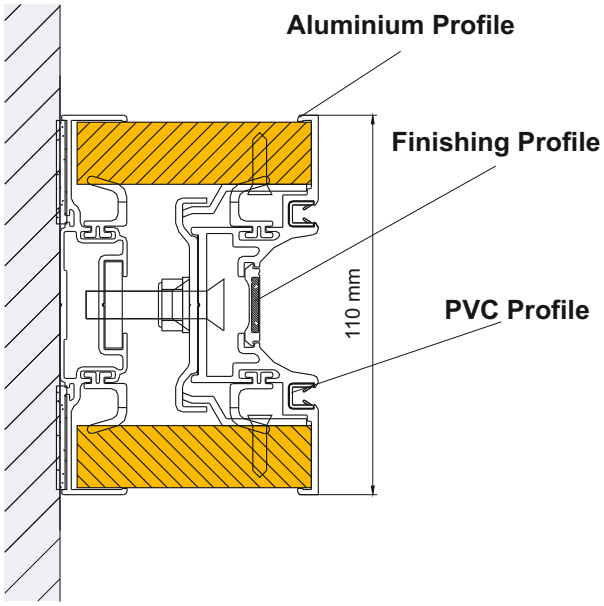


Self-bearing Standard Element - only for heights less than 3500 mm

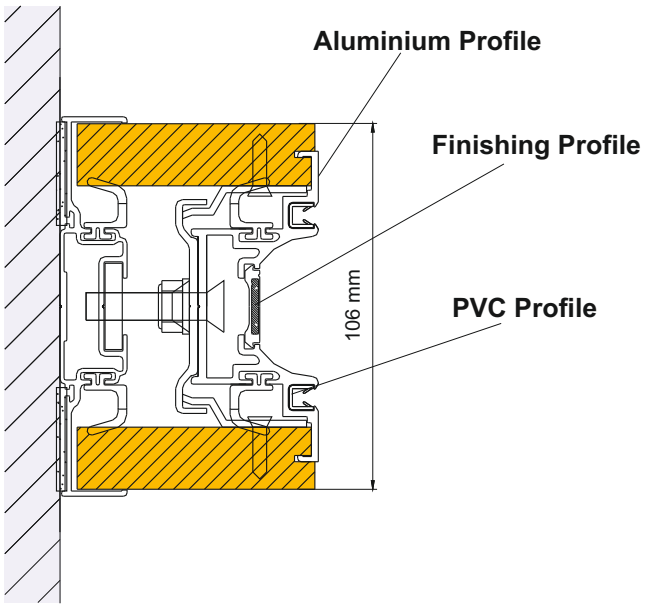


Multiple Elastic
Adjustable Parts

Vertical Uprights - Horizontal Section

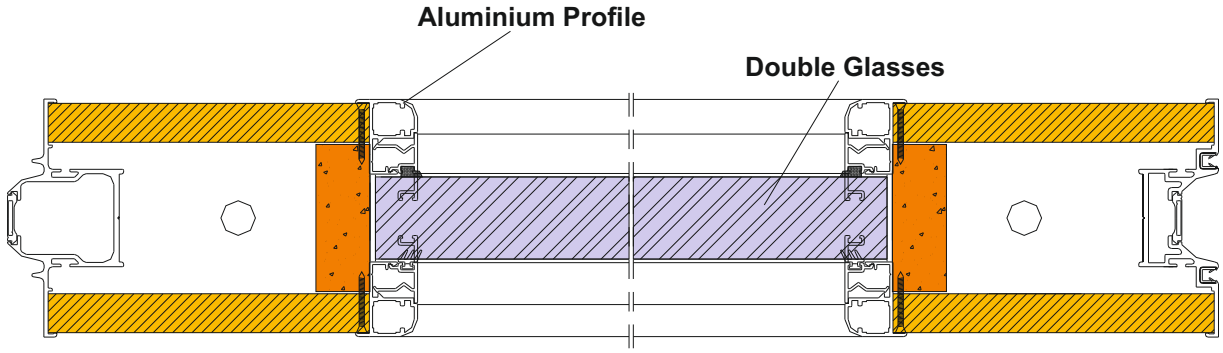


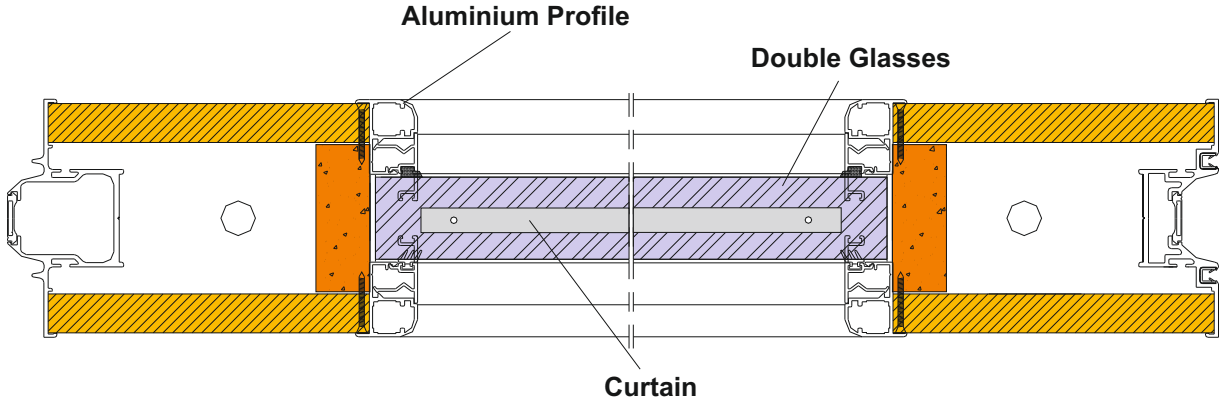
"VISIBLE" VERTICAL ALUMINIUM TRIMS



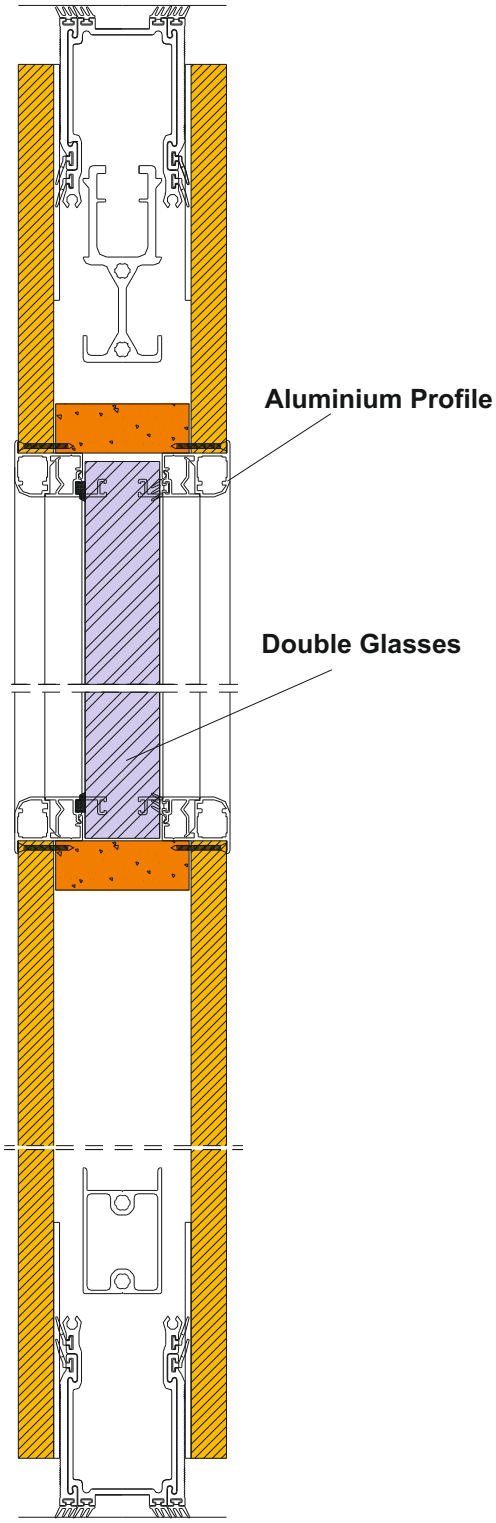
"NOT VISIBLE" VERTICAL ALUMINIUM TRIMS

Element with Glazed Vision Panel - Horizontal Section

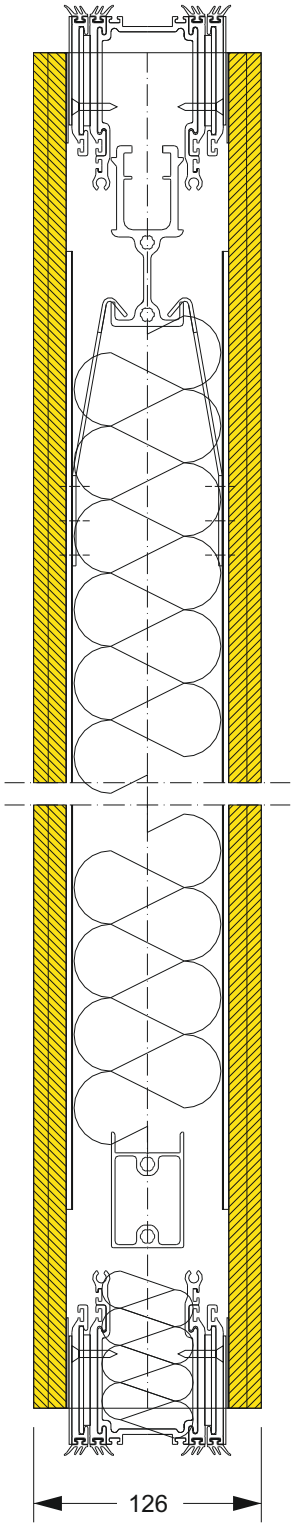




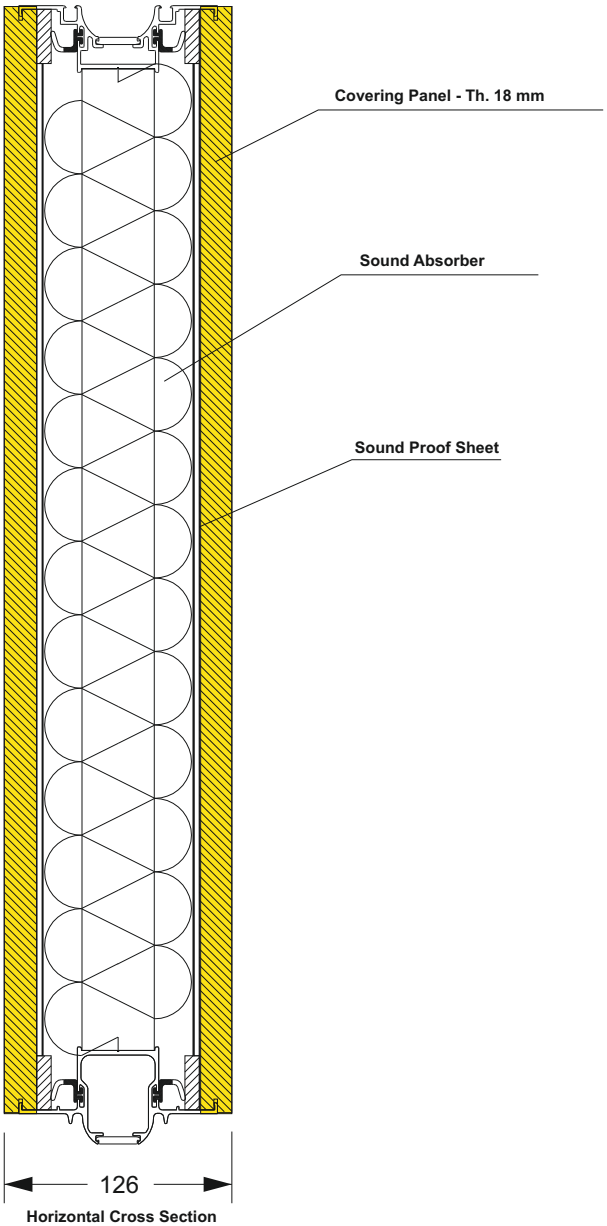
Element with Glazed Vision Panel - Vertical Section



Standard HSP Element - 55 dB - Sections

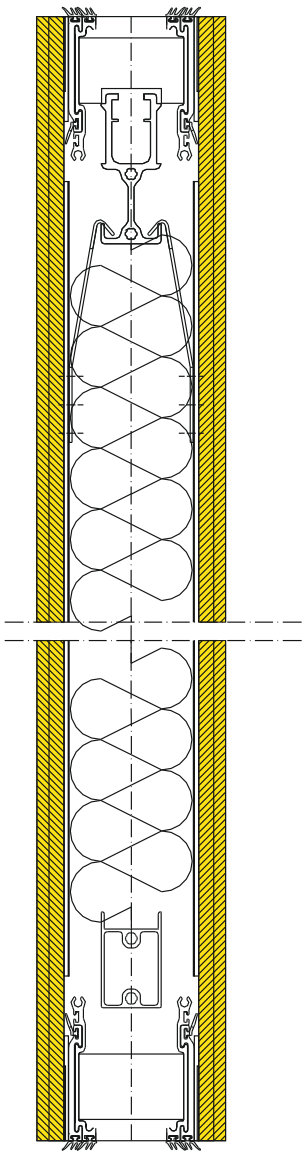


Vertical Cross Section

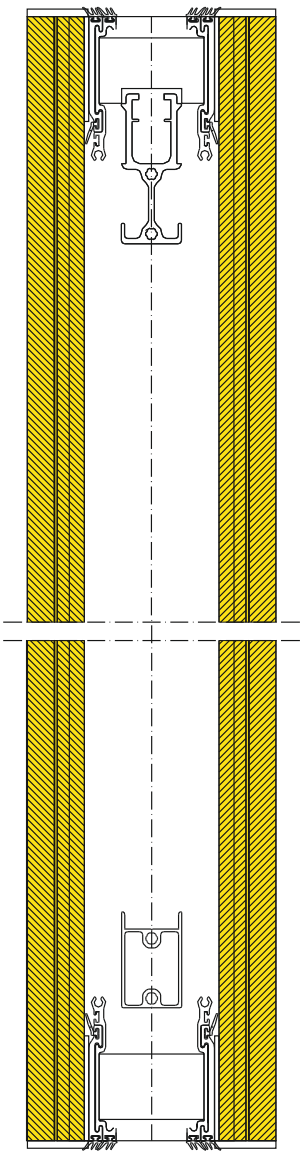


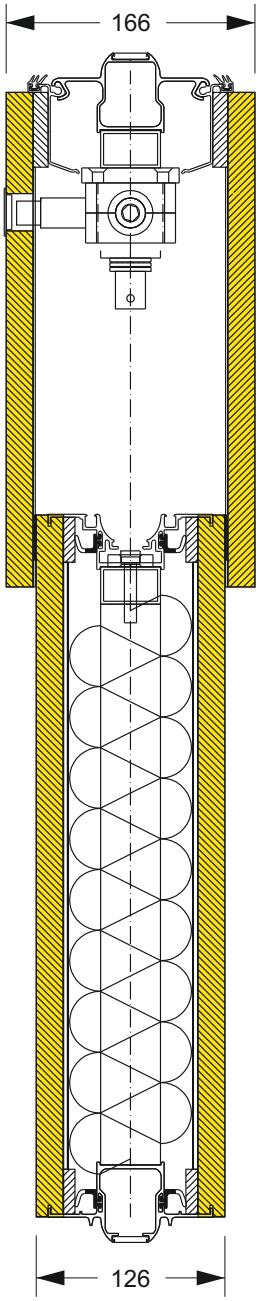
Horizontal Cross Section

Expander Element - 55 dB - Sections



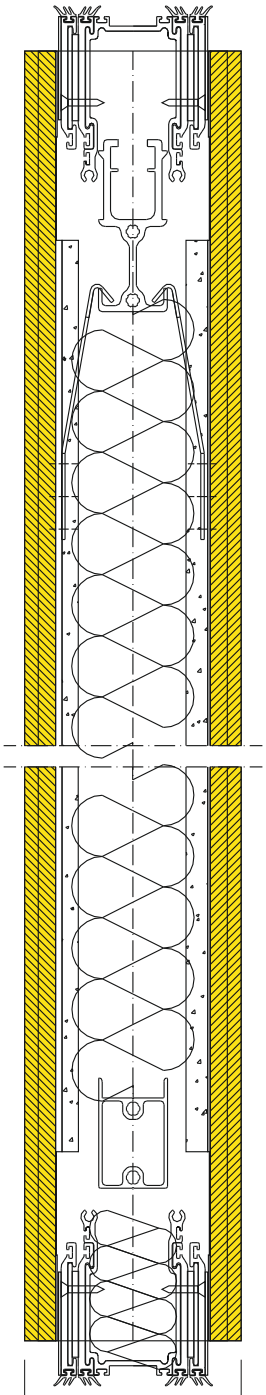
Vertical Cross Section



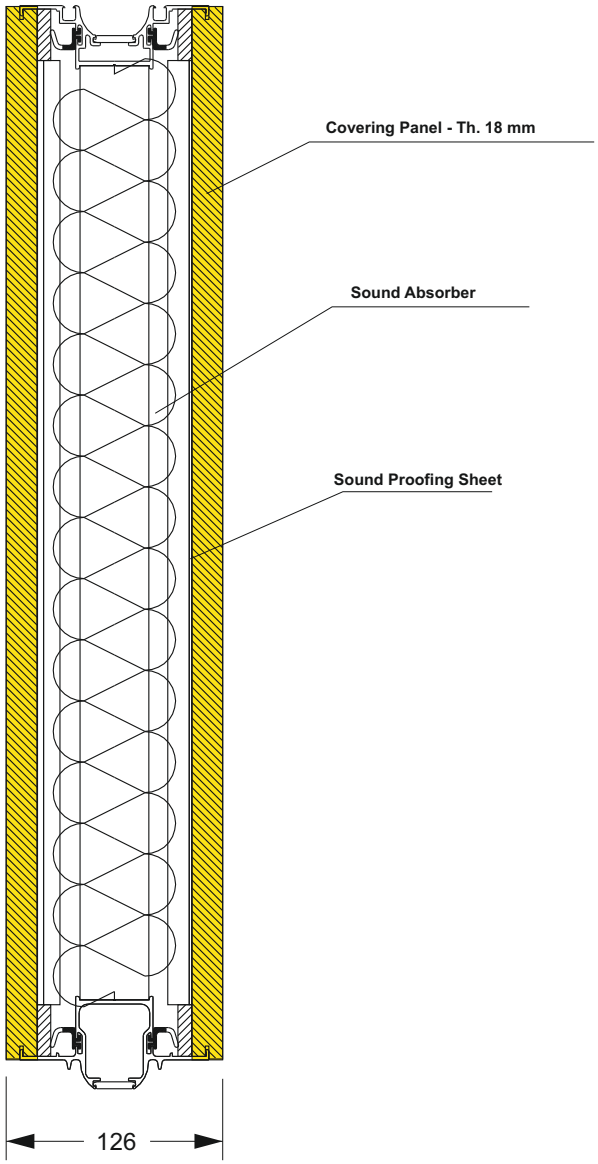


Horizontal Cross Section

Standard HSP Element - 57 dB - Sections

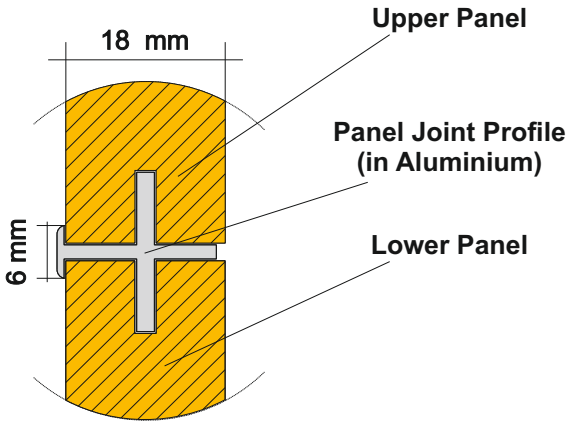


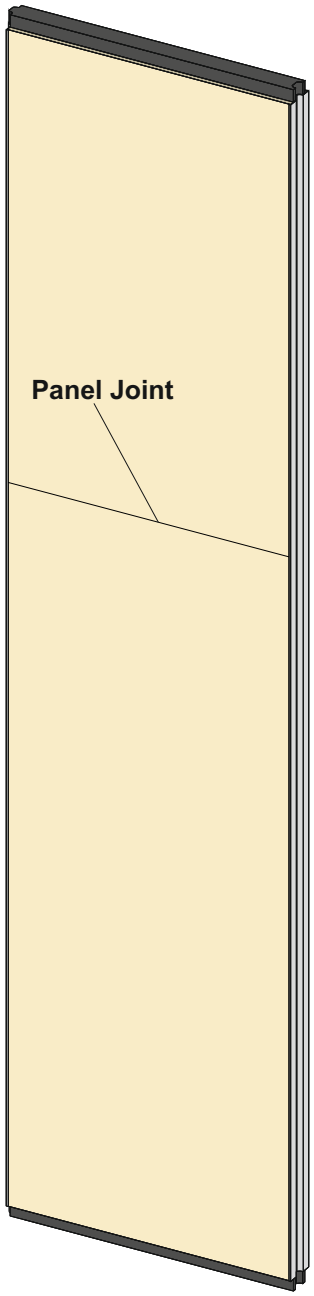
Vertical Cross Section

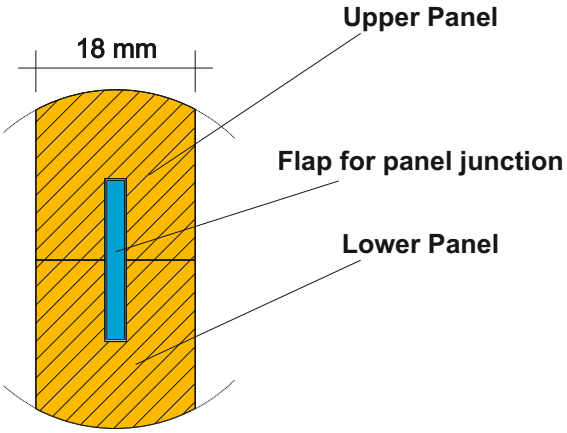


Horizontal Cross Section

Panel Joint - Vertical Section

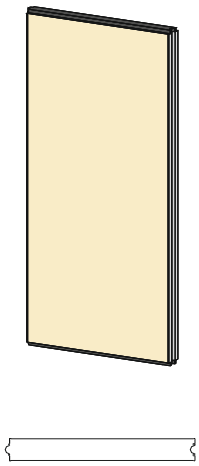




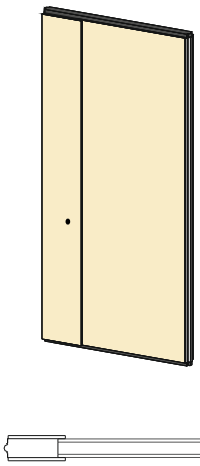


In case of elements with two or more overlapping panels, the panel joint may be with tongue or with aluminium profile.

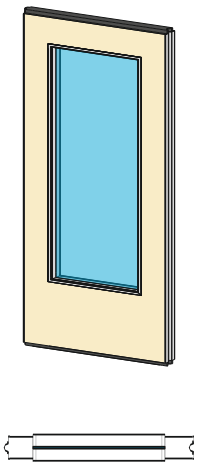
Elements



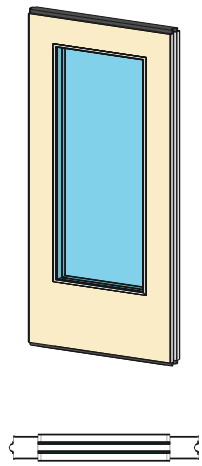
Standard Element



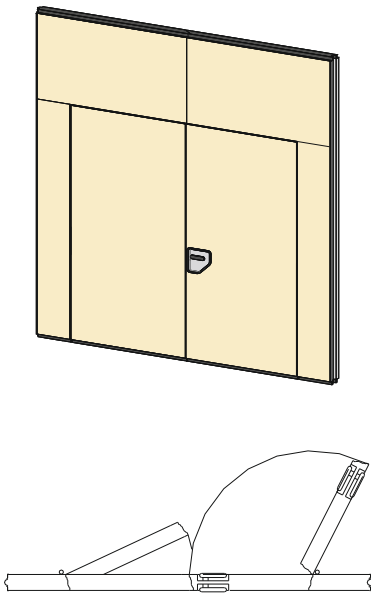
Expander Element



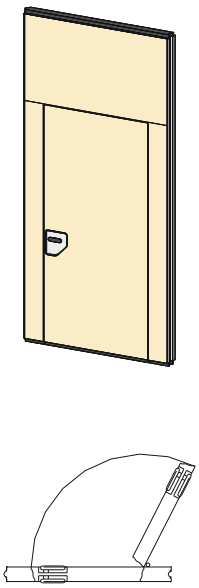
Element with glazed vision panel - single glass -



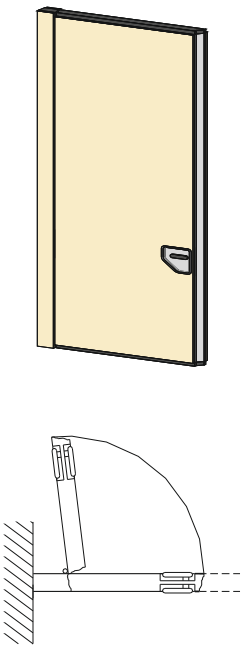
Element with glazed vision panel - double glass -



Double Pass Door Element door thickness 106 mm

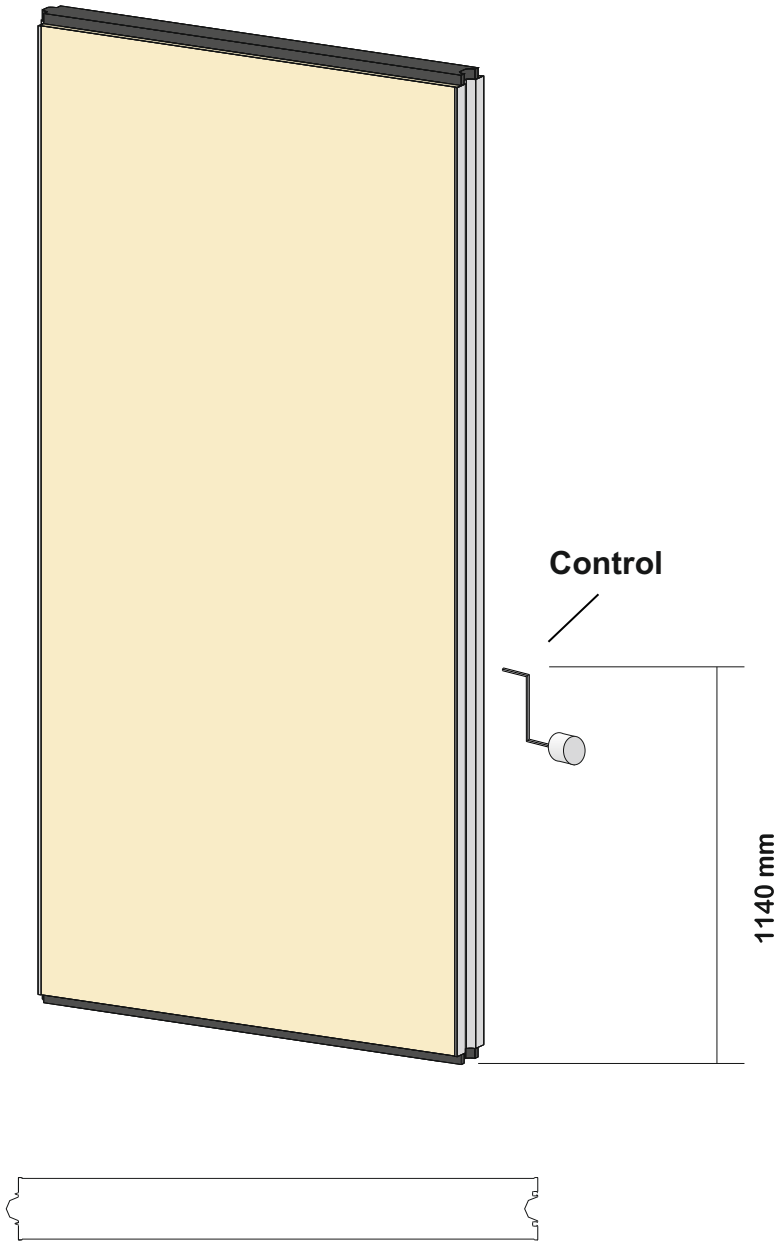


Pass Door Element door thickness 106 mm



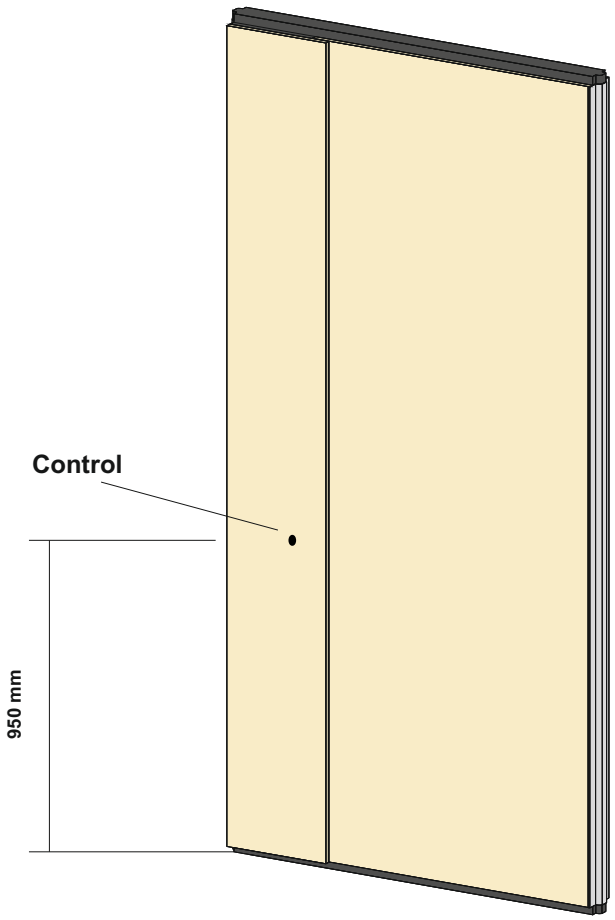
Pass Door Element Inserted in the Wall

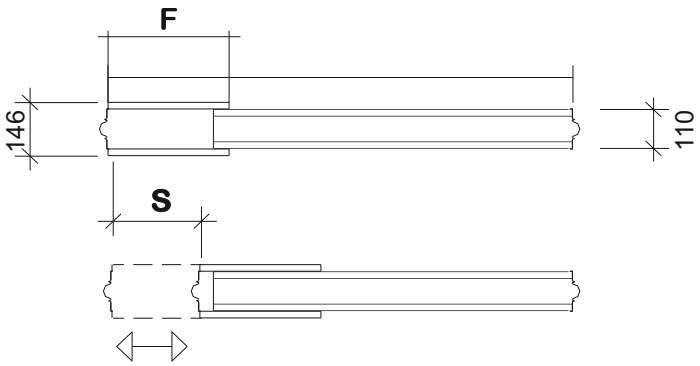
Standard Element



The standard width of the elements is between 800 and 1200 mm (between 800 and 1250 mm in case of coverings in High Pressure Laminate). By request we can supply elements with greater width.

Expander Element



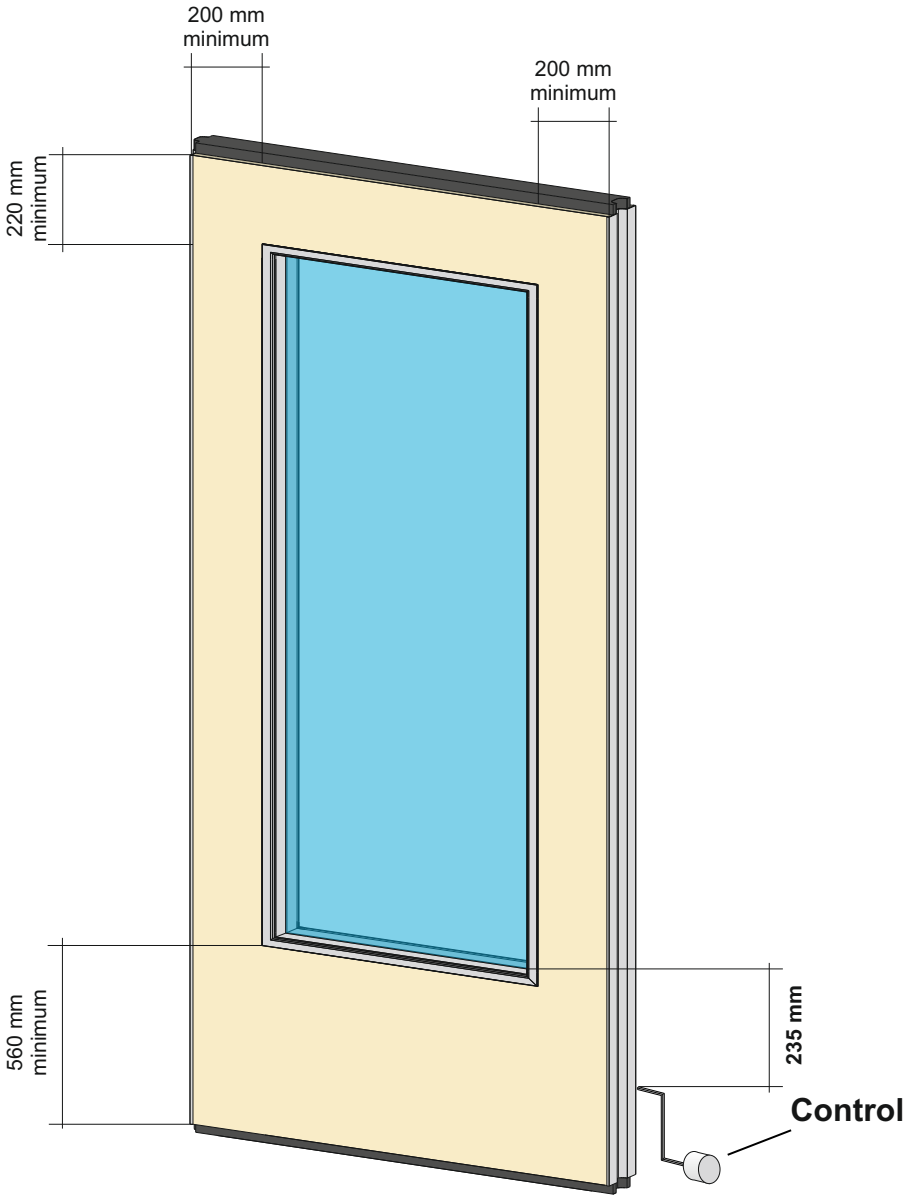


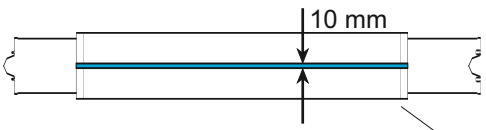
SERIES	F	S
STROKE 100 mm	260	100
STROKE 170 mm	330	170
STROKE 200 mm	360	200
STROKE 250 mm	410	250
STROKE 300 mm	460	300

The expander element is produced in two versions - **MONODIRECTIONAL** and MULTI**DIRECTIONAL** - with variable width (740 mm min / 1650 mm max) and with stroke from 100 to 300 mm.

Elements with 200 and 300 mm stroke are non standard.

Element with Glazed Vision Panel - Single Glass

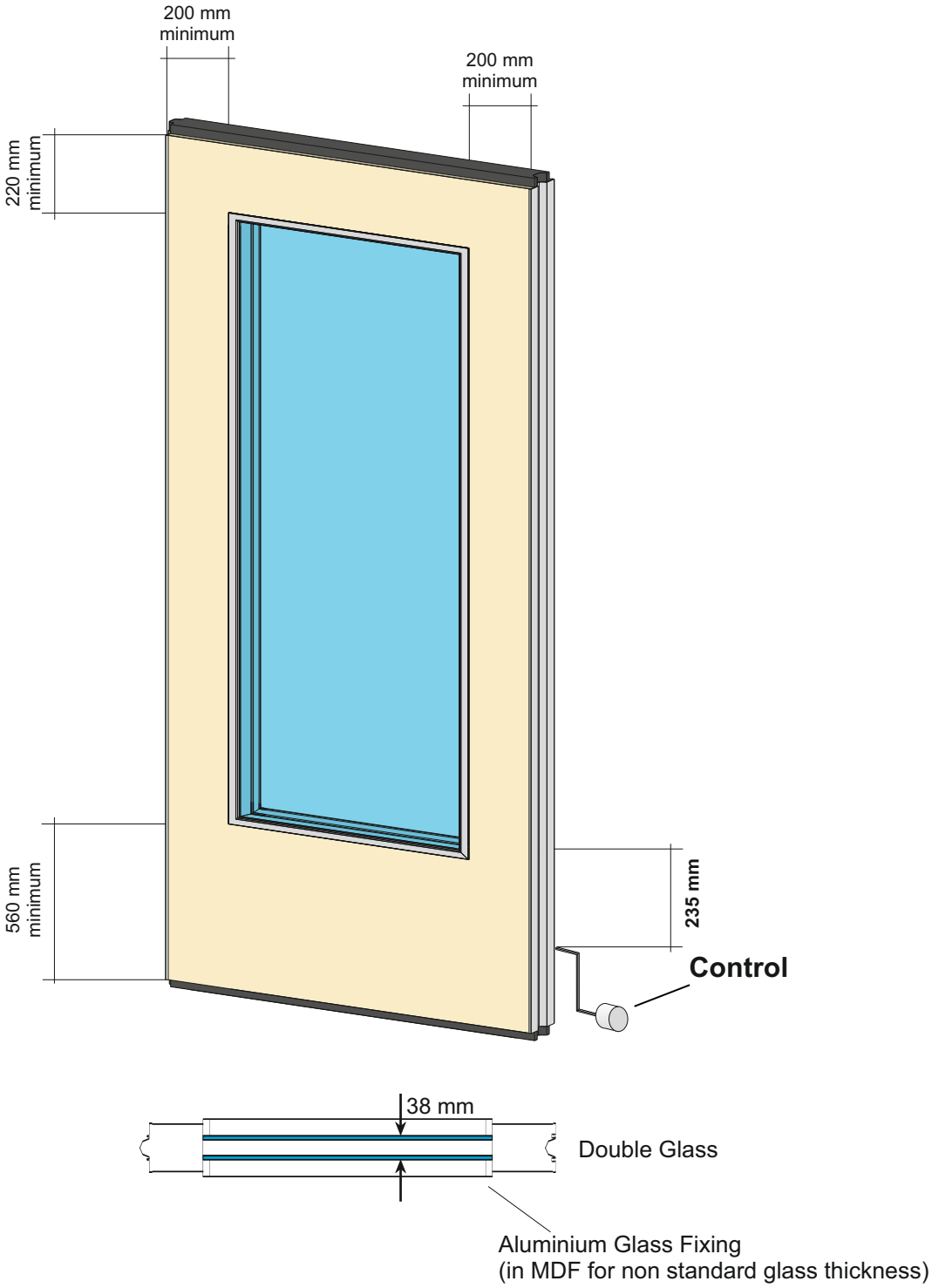




Aluminium Glass Fixing
(in MDF for non standard glass thickness)

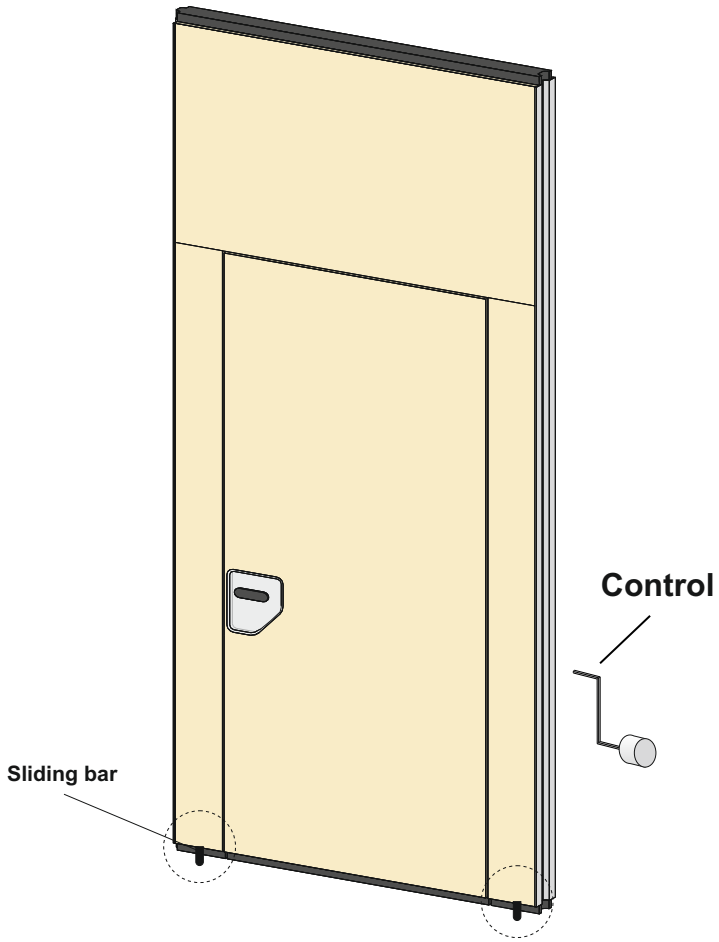
Width as specified for standard elements.
Control height may vary according to glass dimensions.

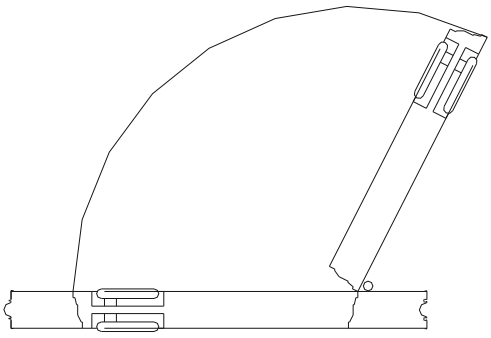
Element with Glazed Vision Panel - Double Glass



Width as specified for standard elements.
Control height may vary according to glass dimensions.

Pass Door Element - Door thickness 106 mm

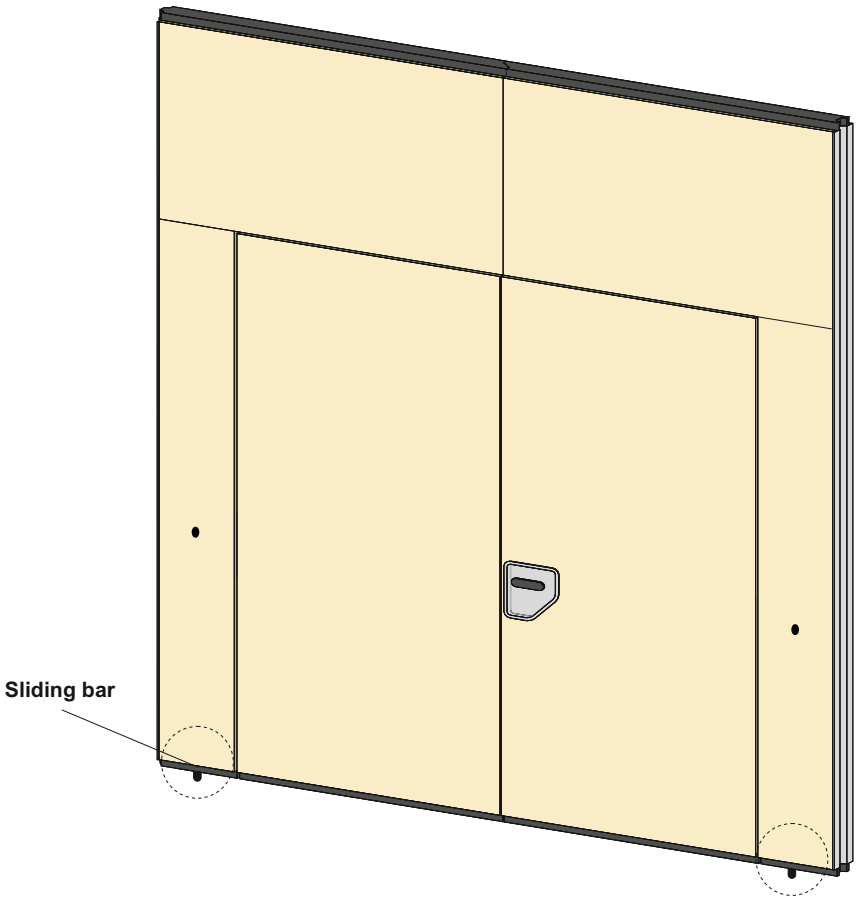


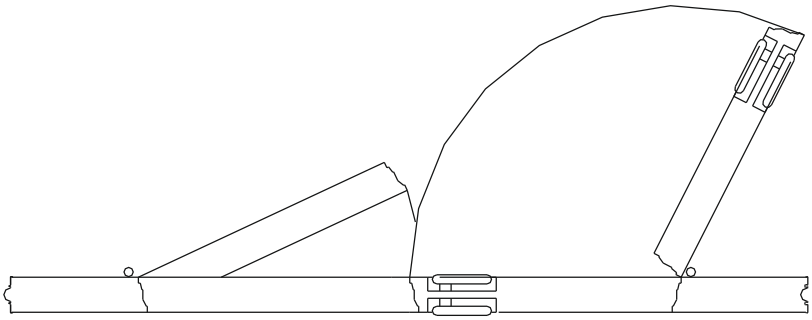


STANDARD DIMENSIONS

Element width	Door width	Door height
1220 mm	900 mm	2120 mm

Double Pass Door Element - Door thickness 106 mm

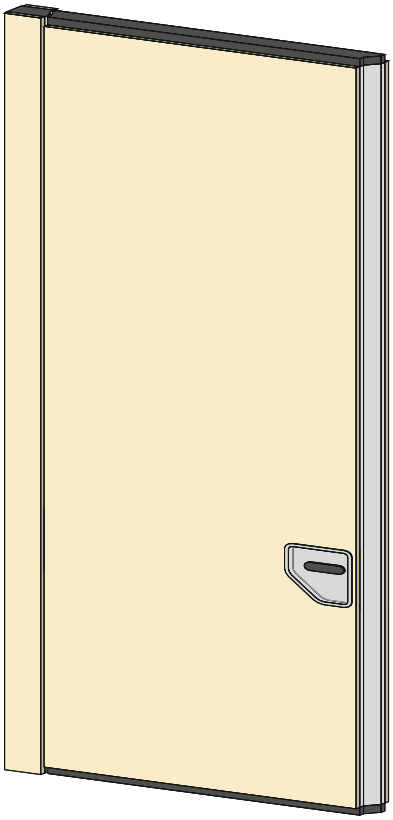


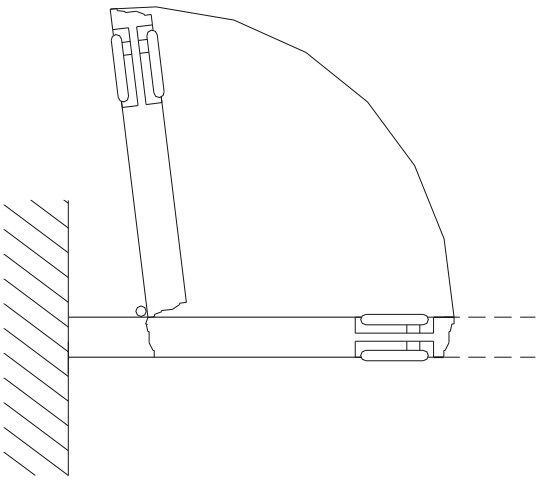


STANDARD MEASURES

Modules	Element width	Door width	Door height
Standard	2 x 1170 mm	1800 mm	2120 mm
Compact	2 x 1070 mm	1800 mm	2120 mm

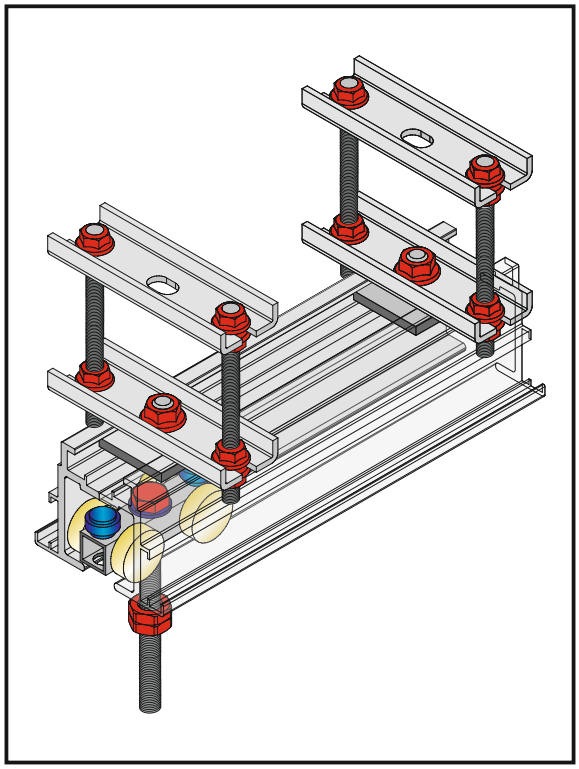
Pass Door Element inserted in the Wall

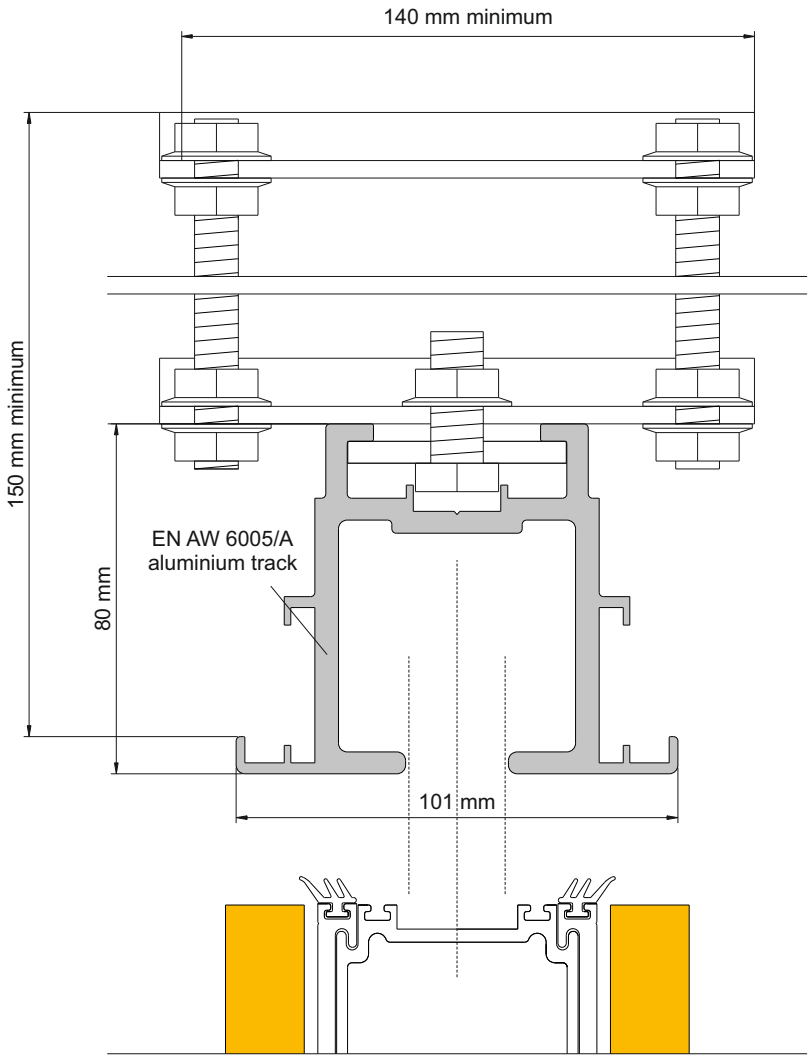




Maximum door width: 900 mm
Maximum height under the track: 3000 mm

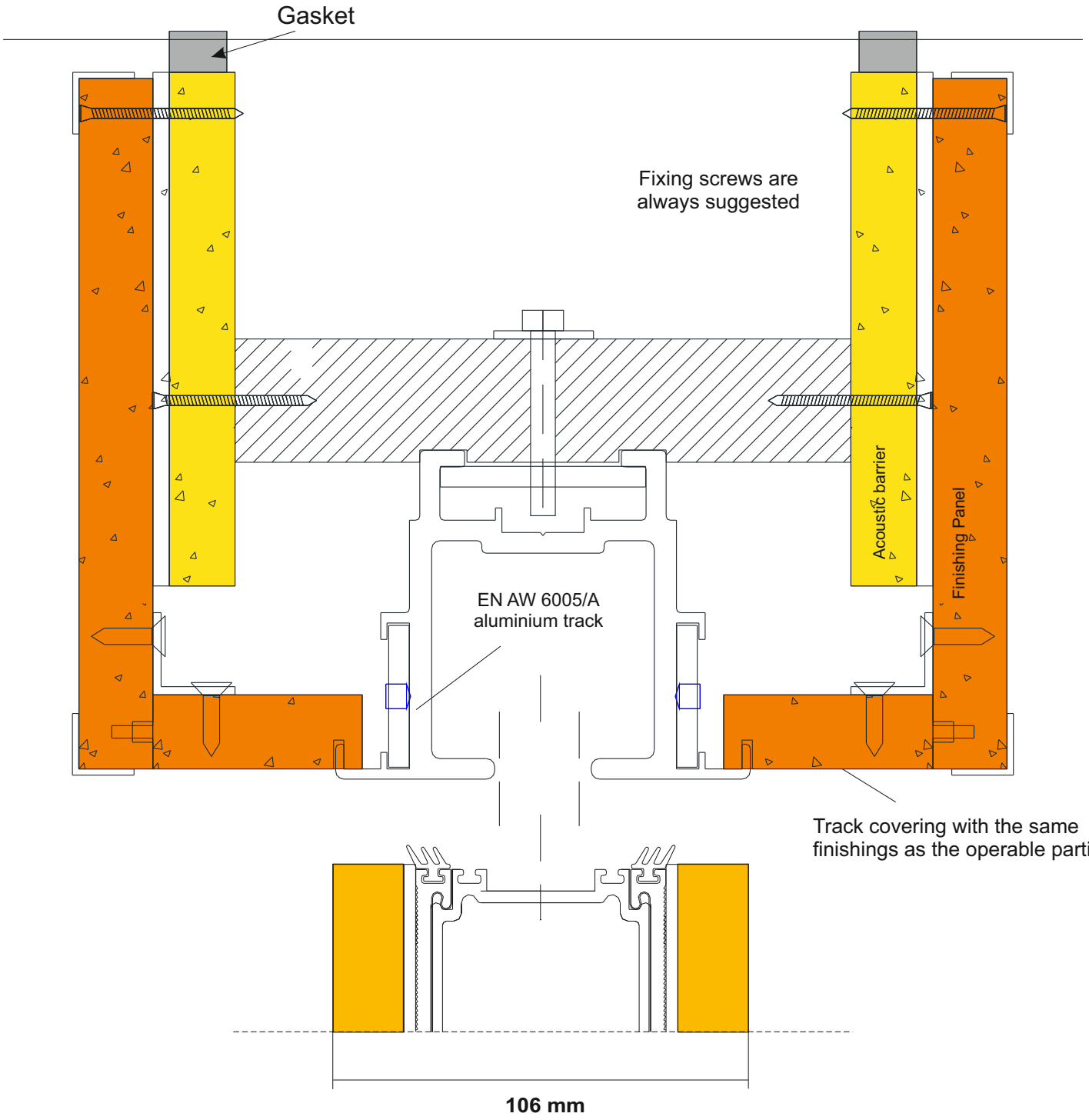
Track Type 100





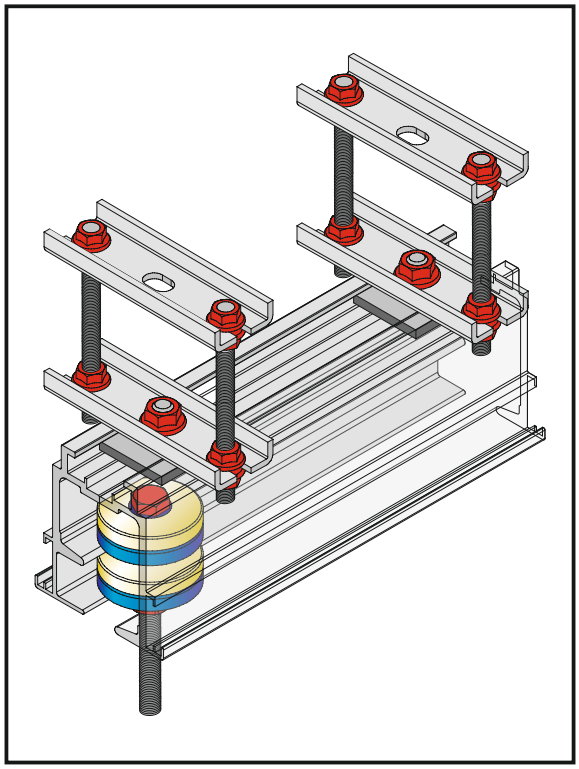
Suitable for MONODIRECTIONAL stacking scheme
utilizing 1 trolley type 10 for heights up to 3,5 m

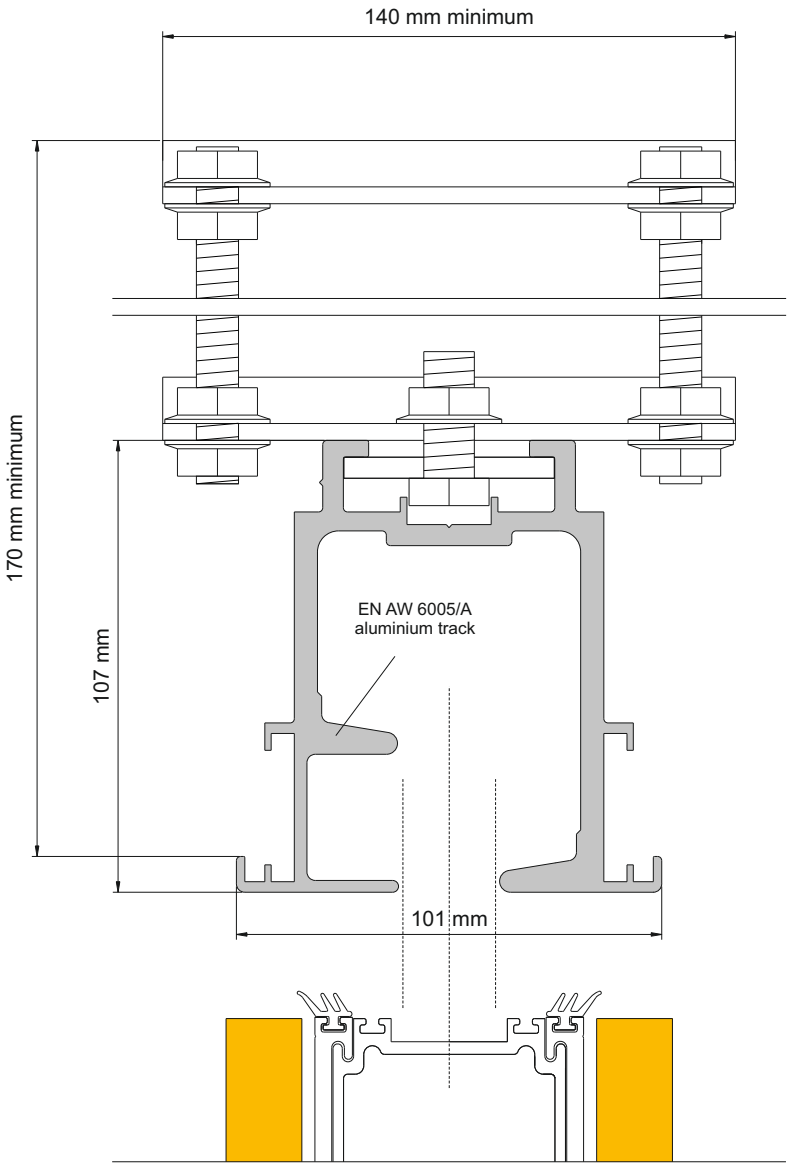
Track Type 100 - With Covering



Suitable for MONODIRECTIONAL stacking scheme
utilizing 1 trolley type 10 for heights up to 3,5 m

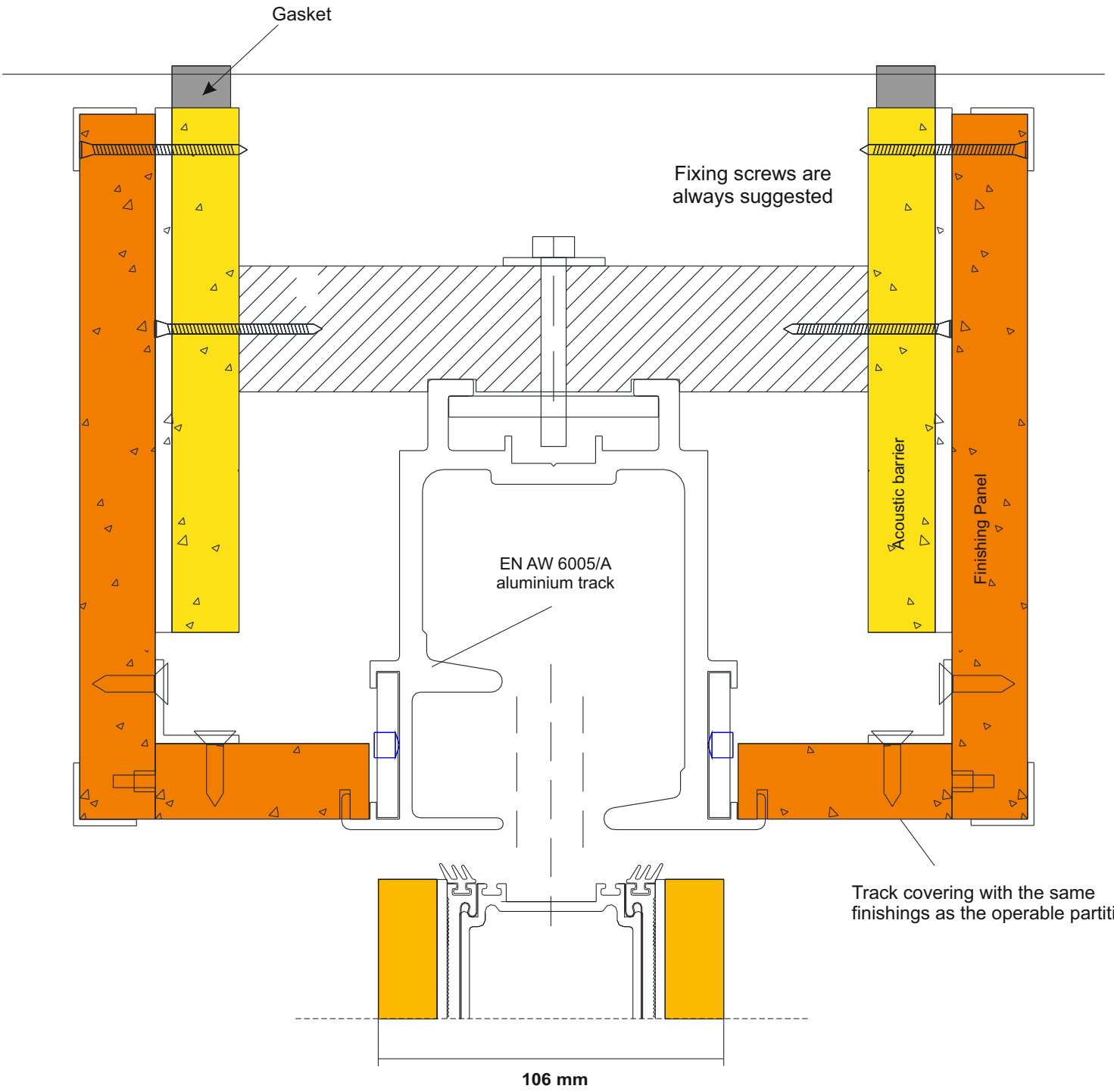
Track Type 800





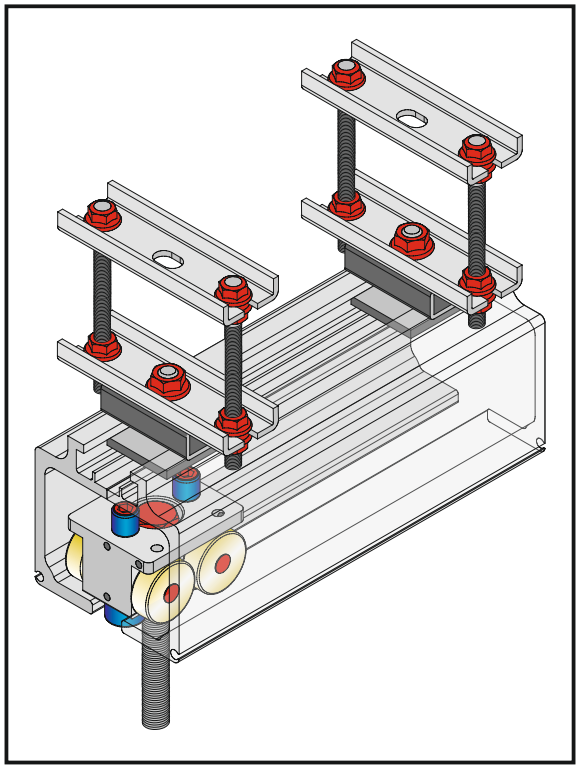
Suitable for MULTIDIRECTIONAL stacking scheme
utilizing 2 trolleys type 80 for heights up to 6,5 m

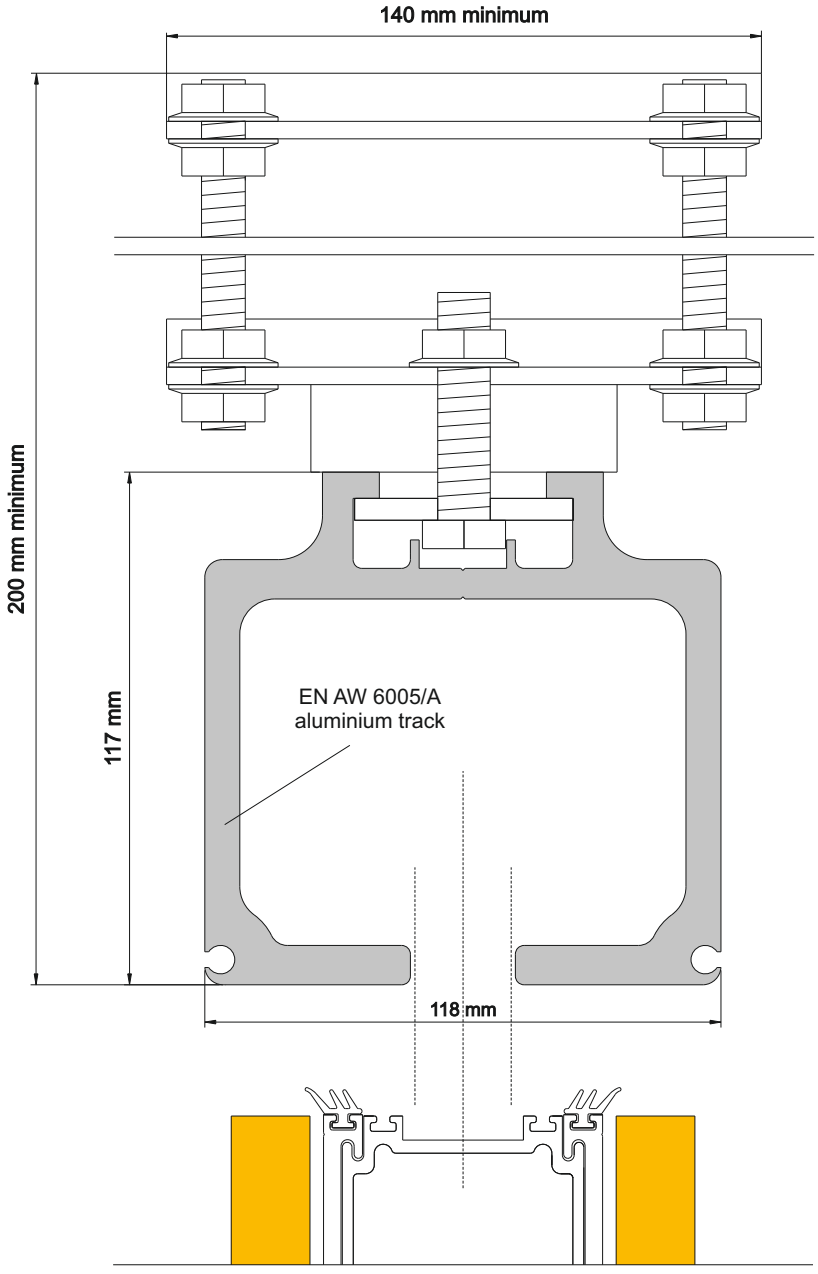
Track Type 800 - With Covering



Suitable for MULTIDIRECTIONAL stacking scheme utilizing 2 trolleys type 80 for heights up to 6,5 m

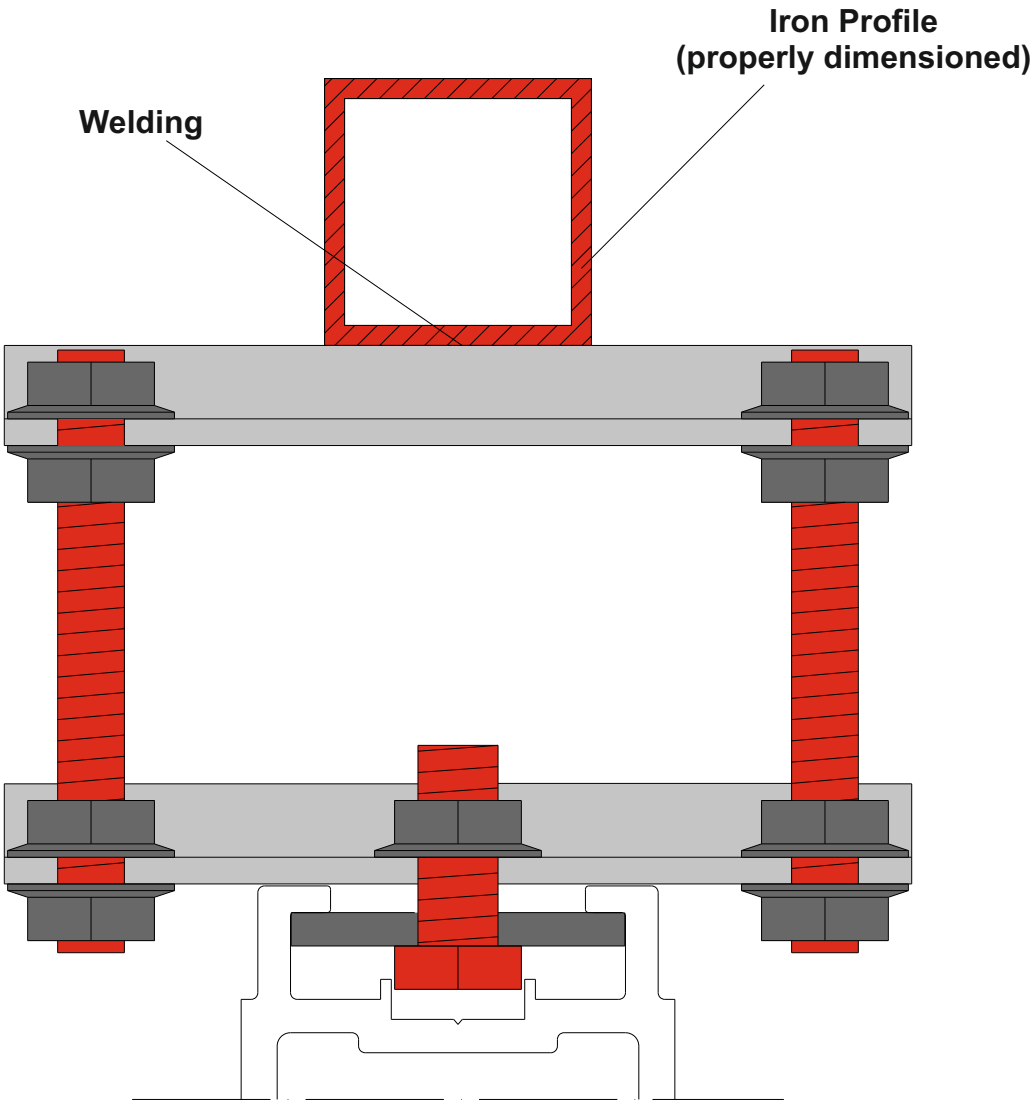
Track Type 1000



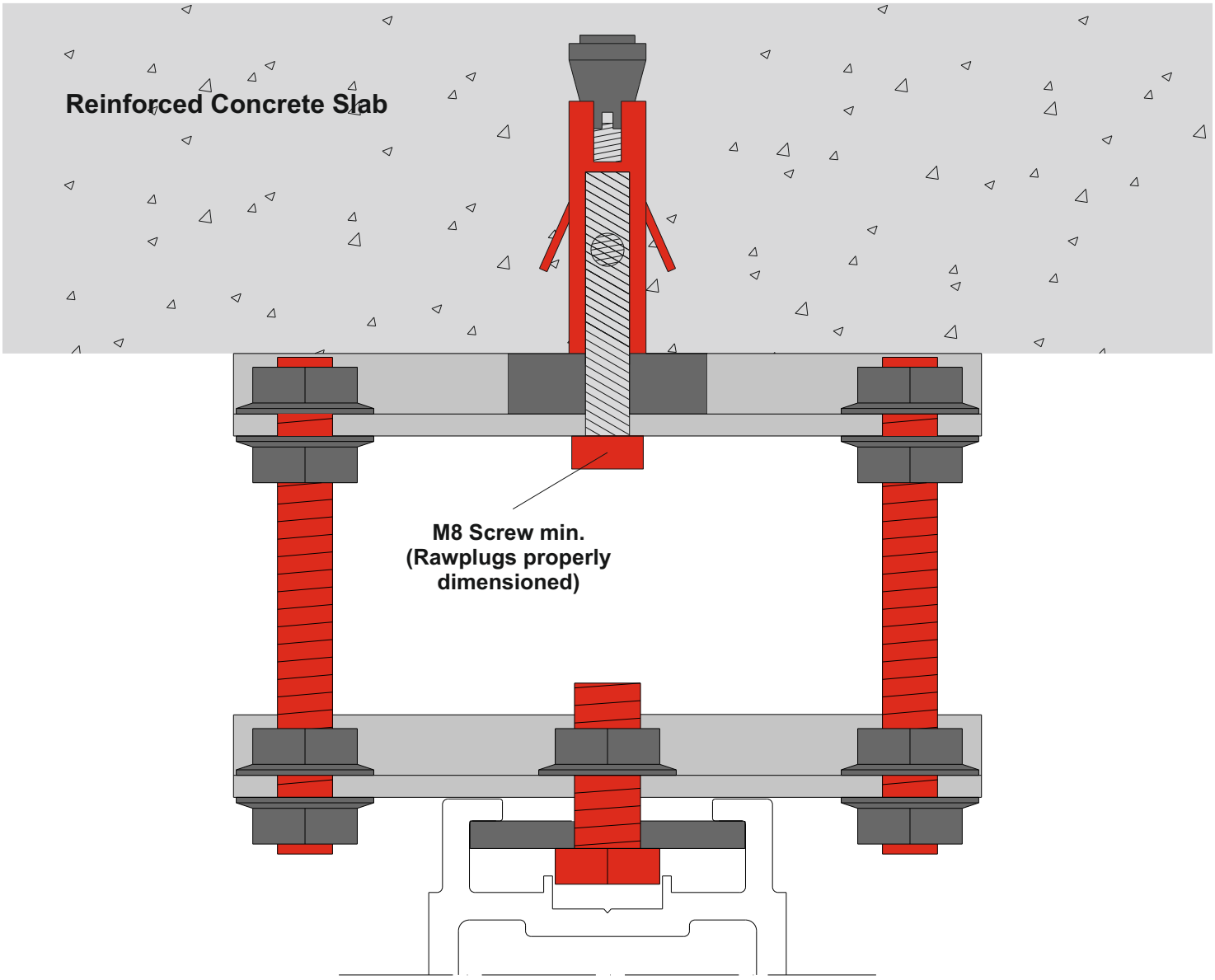


Suitable for MULTIDIRECTIONAL stacking scheme
utilizing 2 trolleys type 1000 for heights from 6,5 m

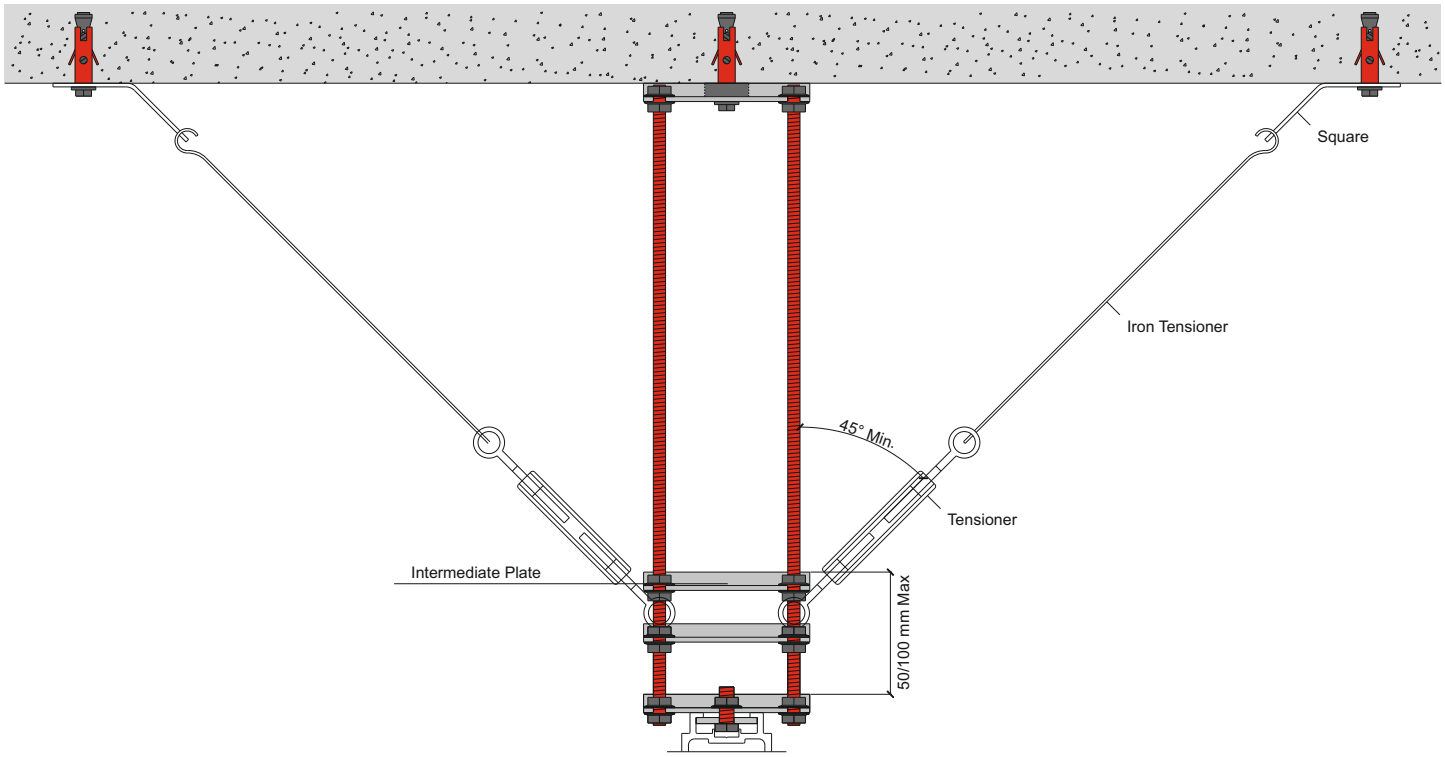
Track Anchorage with Iron Profile



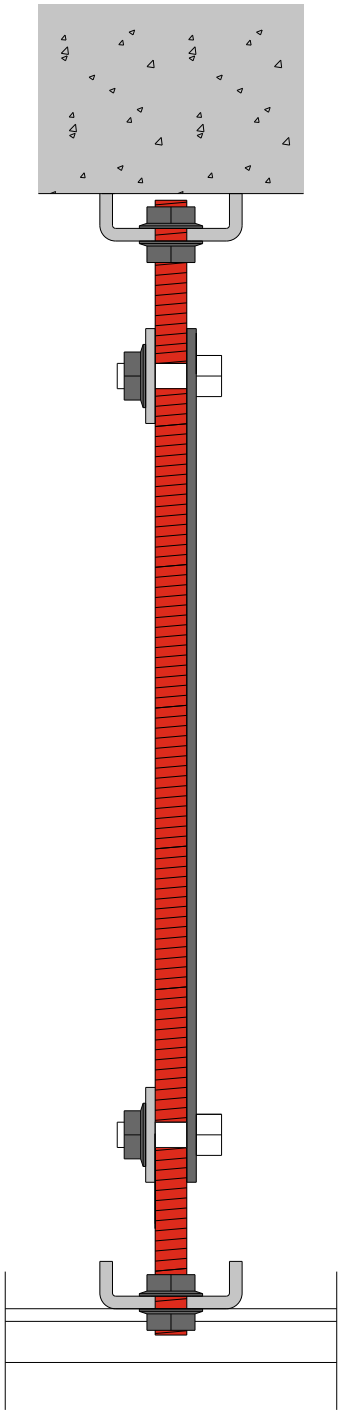
Track Anchorage with Rawplugs

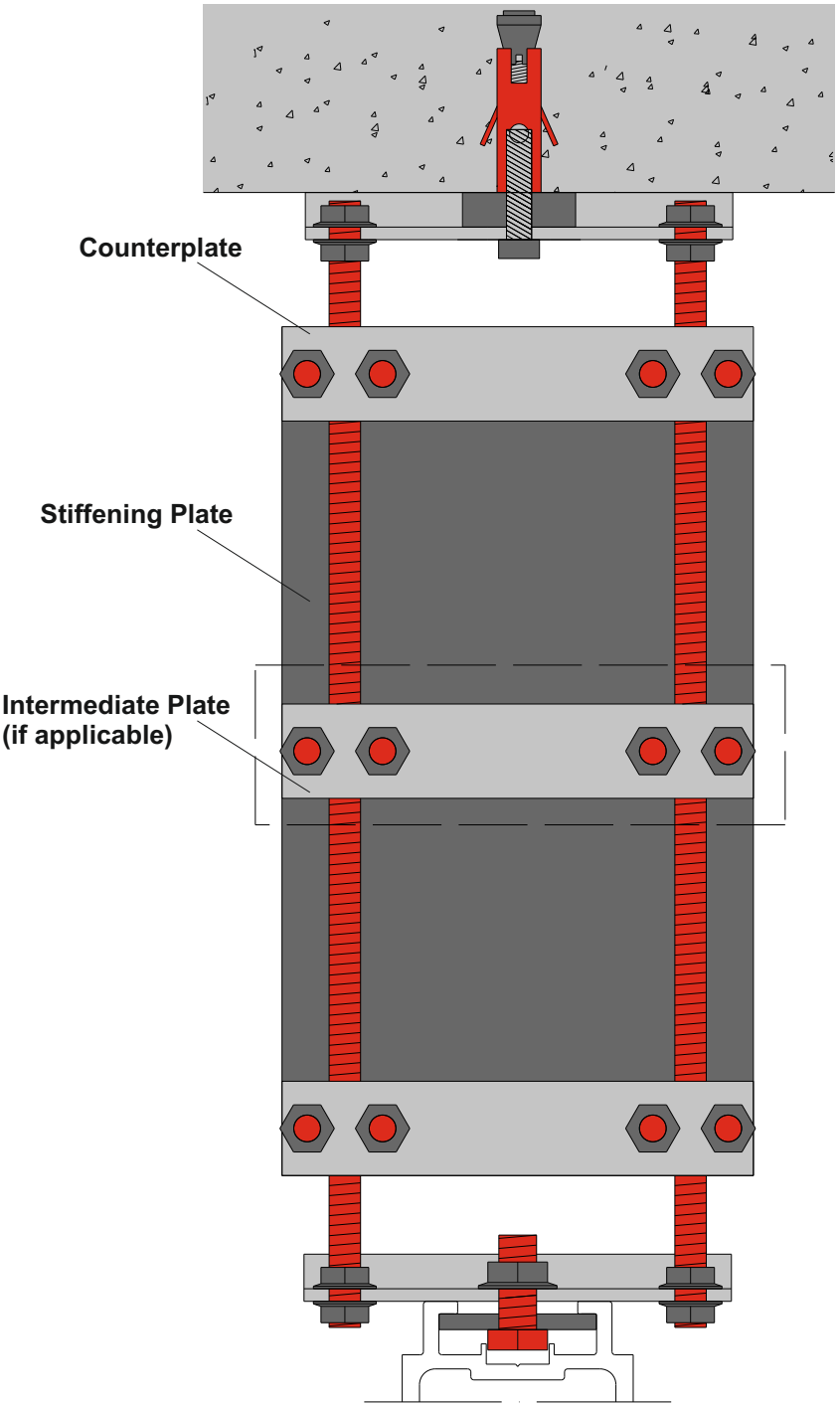


Track Anchorage with Rawplugs and Tensioners

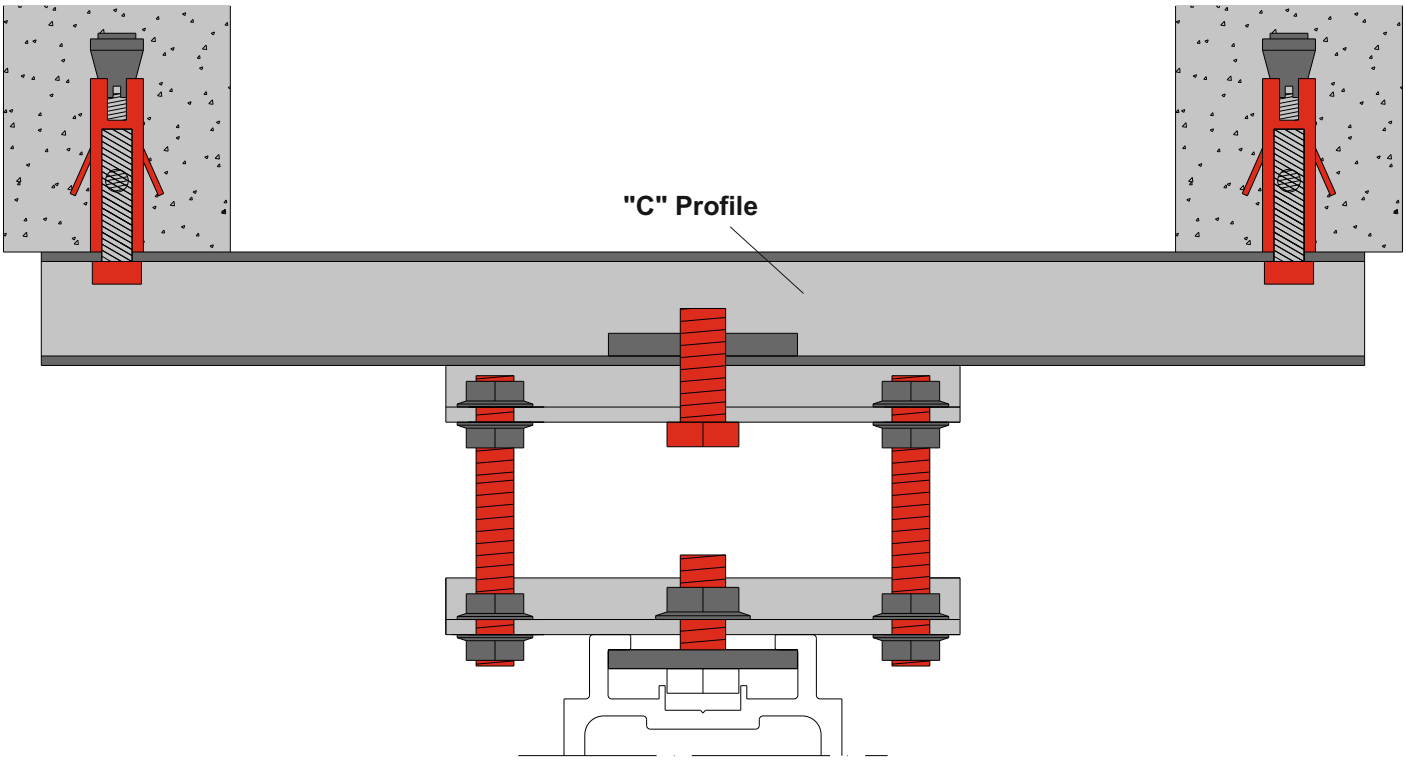


Track Anchorage with Rawplugs and Stiffenings Plates



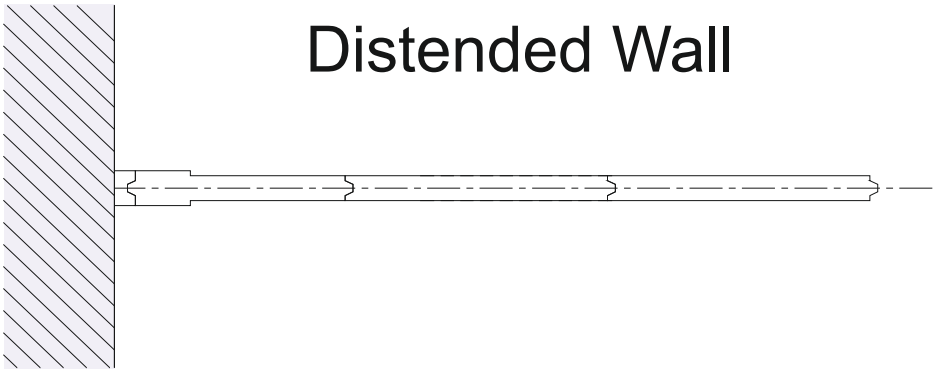


Suspended Track Anchorage

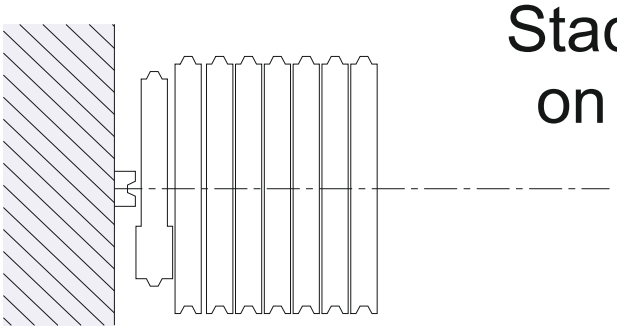


Stacking Scheme “1MON”

Distended Wall

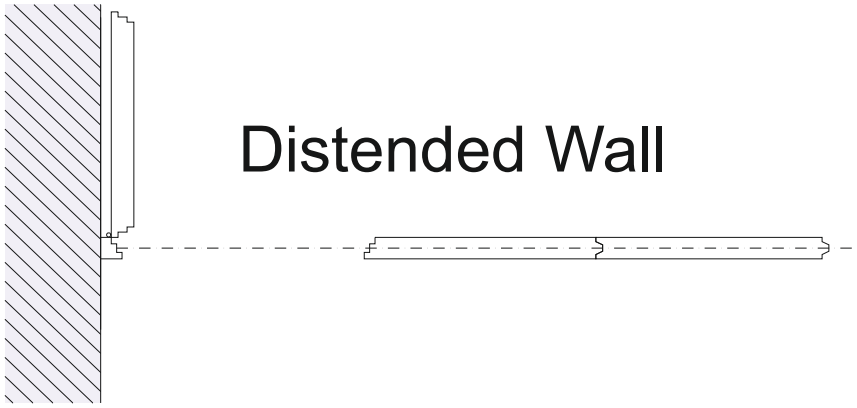


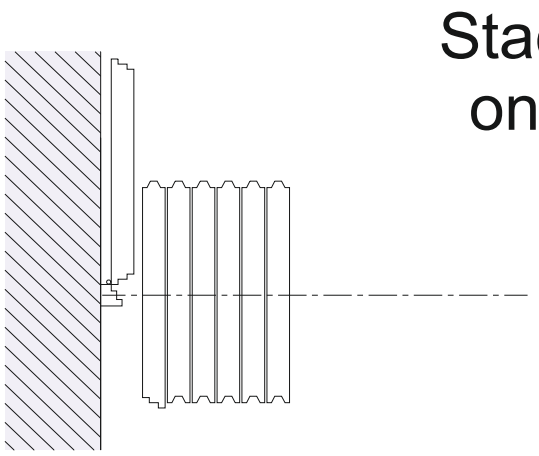
Stacking Scheme on the wall axis



Only for Walls high < 3500 mm

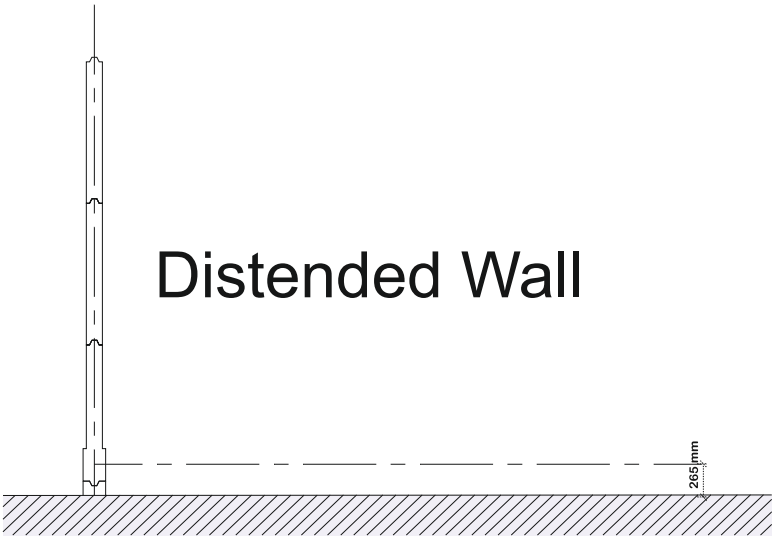
Stacking Scheme “1BAT”

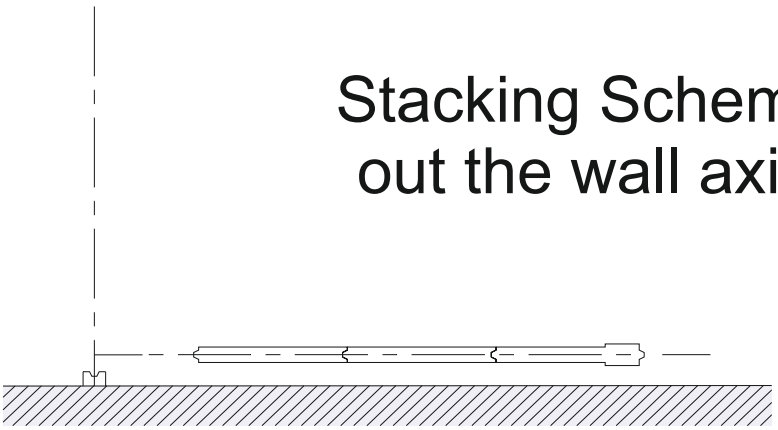




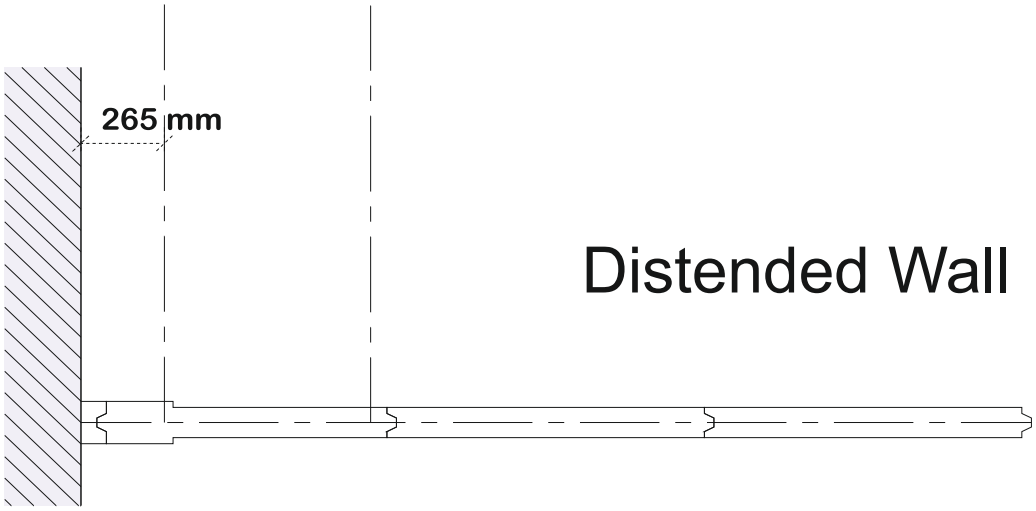
Only for Walls high < 3000 mm

Stacking Scheme “2PDN”

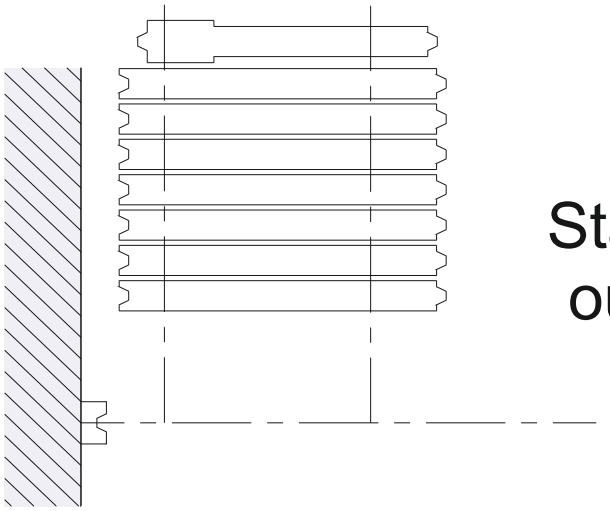




Stacking Scheme “2PAR”

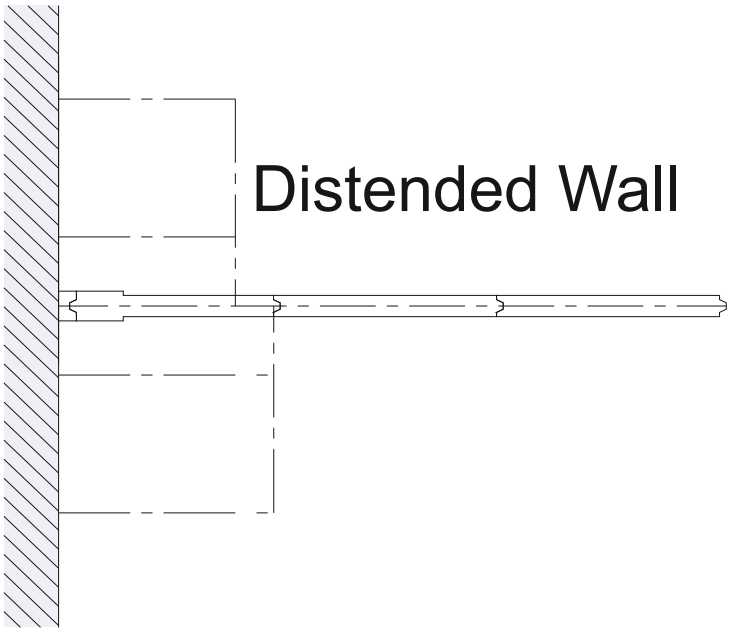


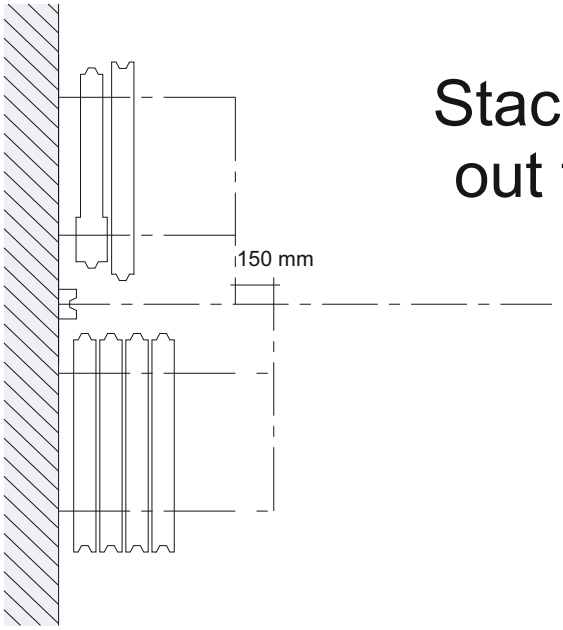
Distended Wall



Stacking Scheme
out the wall axis

Stacking Scheme “2FAS”

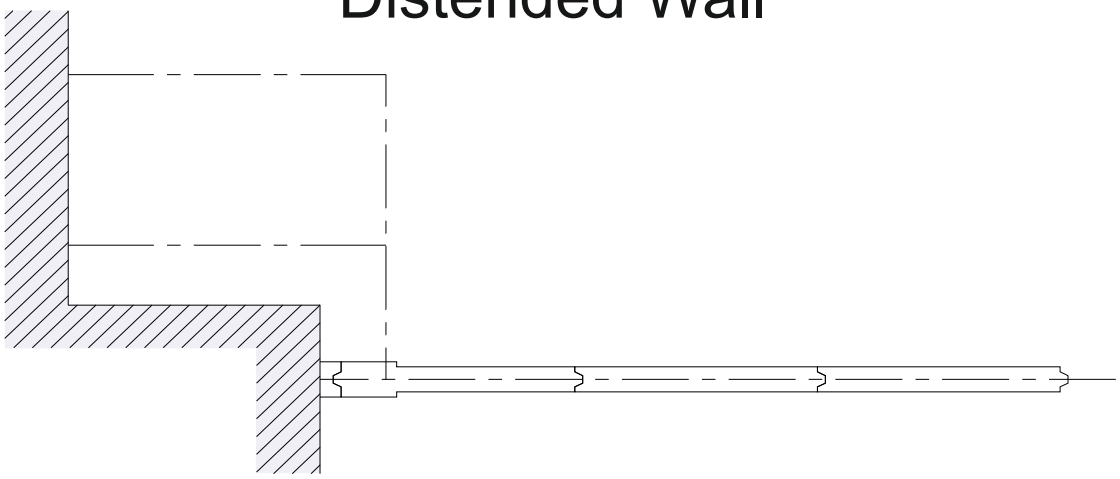




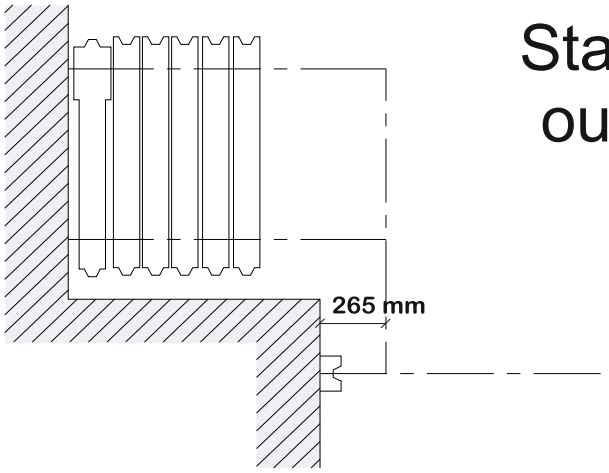
Stacking Scheme
out the wall axis

Stacking Scheme “2FAL”

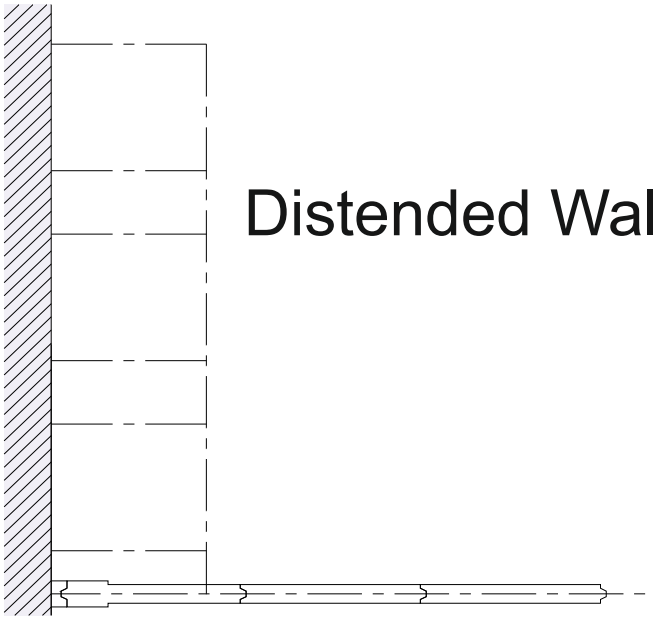
Distended Wall



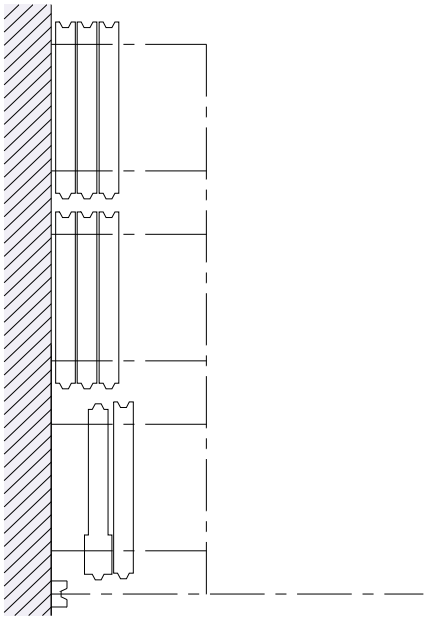
Stacking Scheme out the wall axis



Stacking Scheme “2FAM”

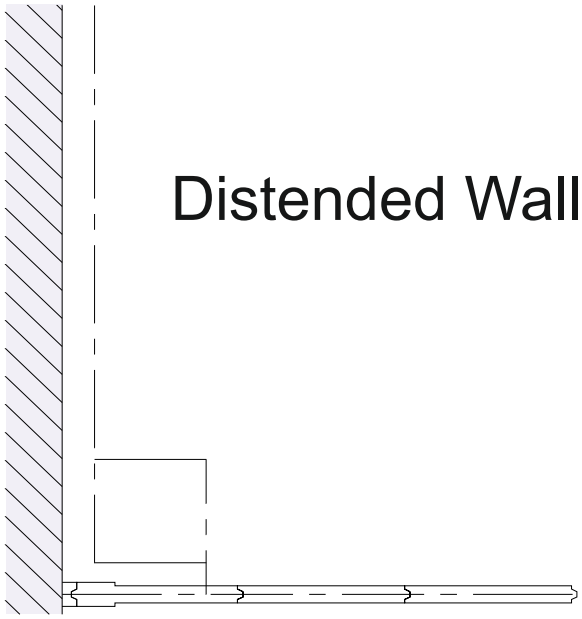


Distended Wall

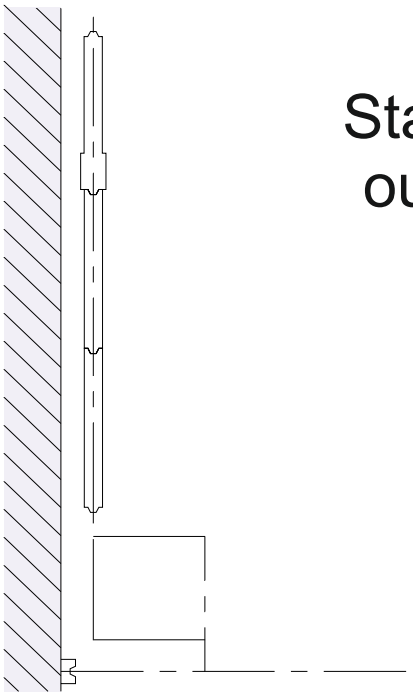


Stacking Scheme
out the wall axis

Stacking Scheme “2PDR”

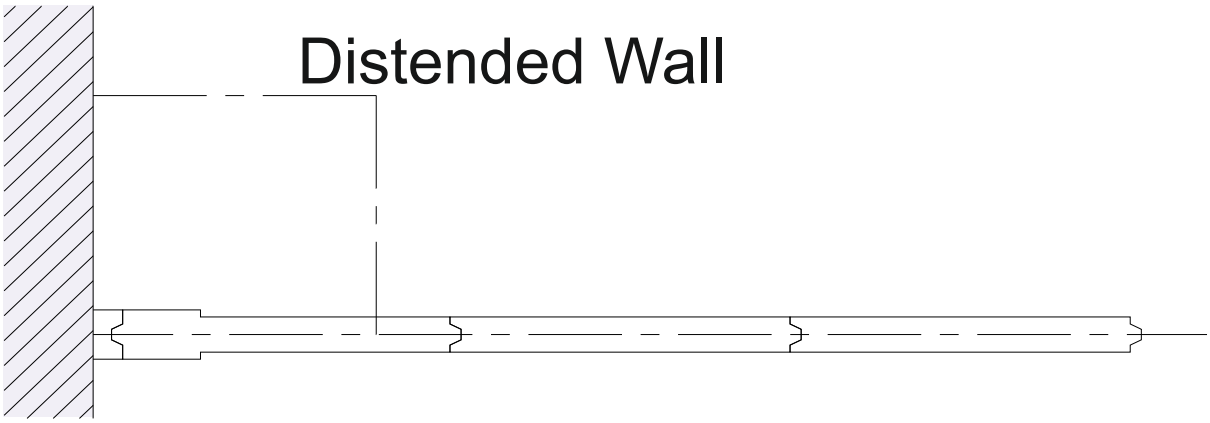


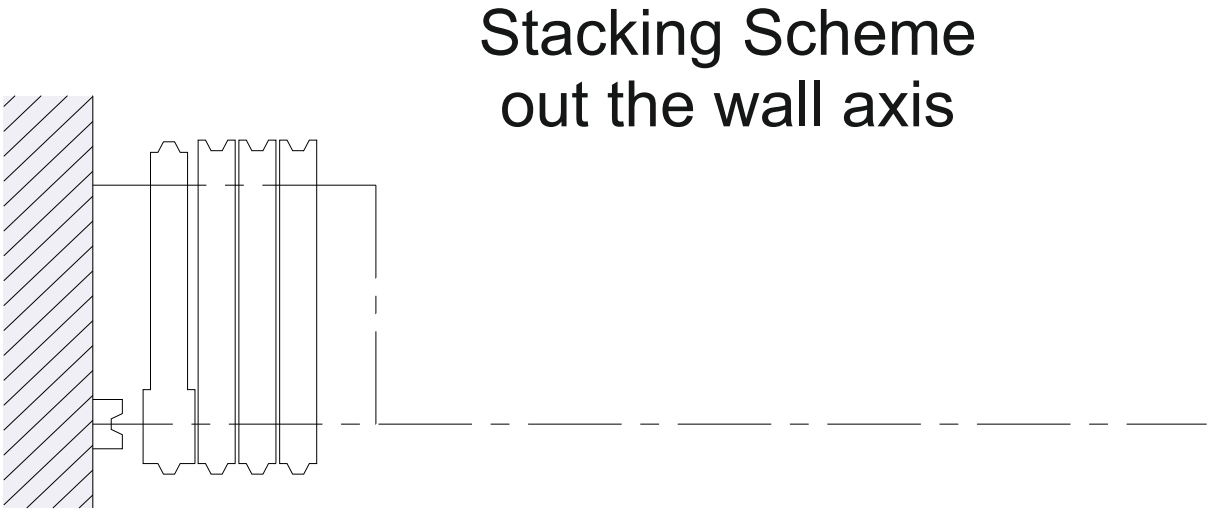
Distended Wall



Stacking Scheme
out the wall axis

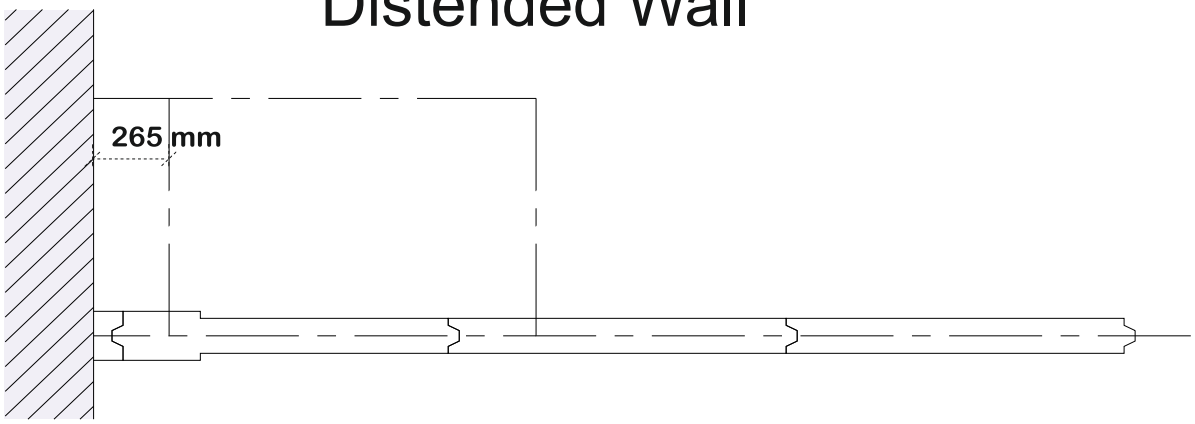
Stacking Scheme “2AL1”



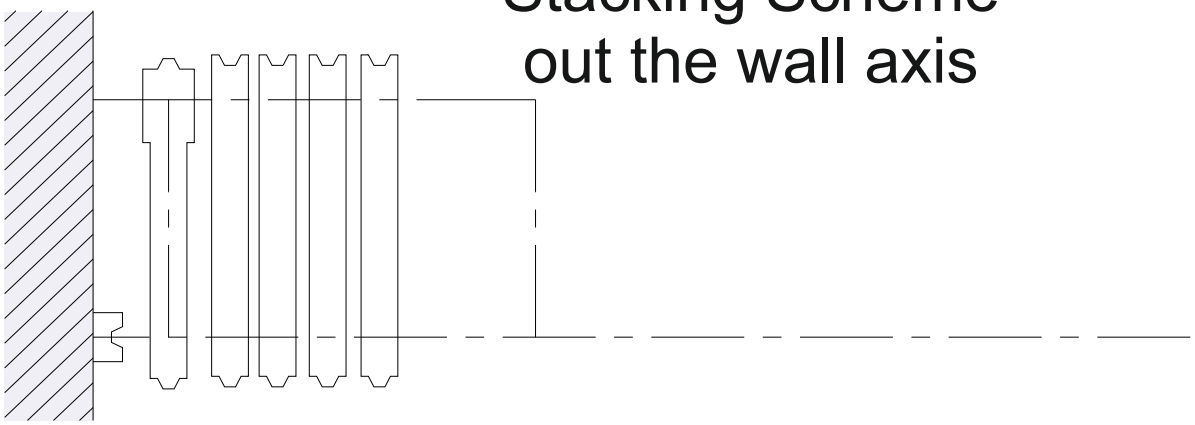


Stacking Scheme “2AL2”

Distended Wall

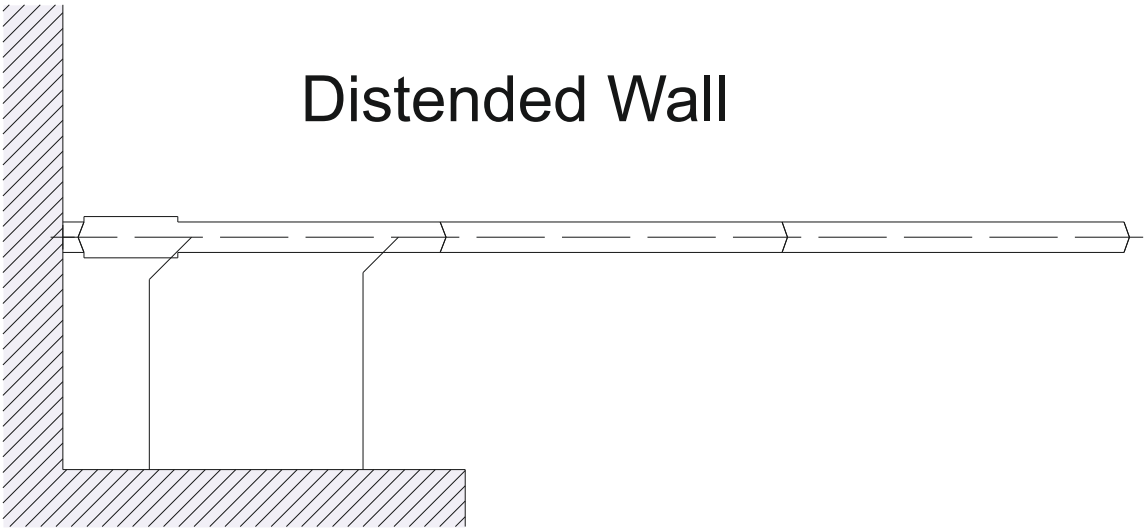


Stacking Scheme out the wall axis

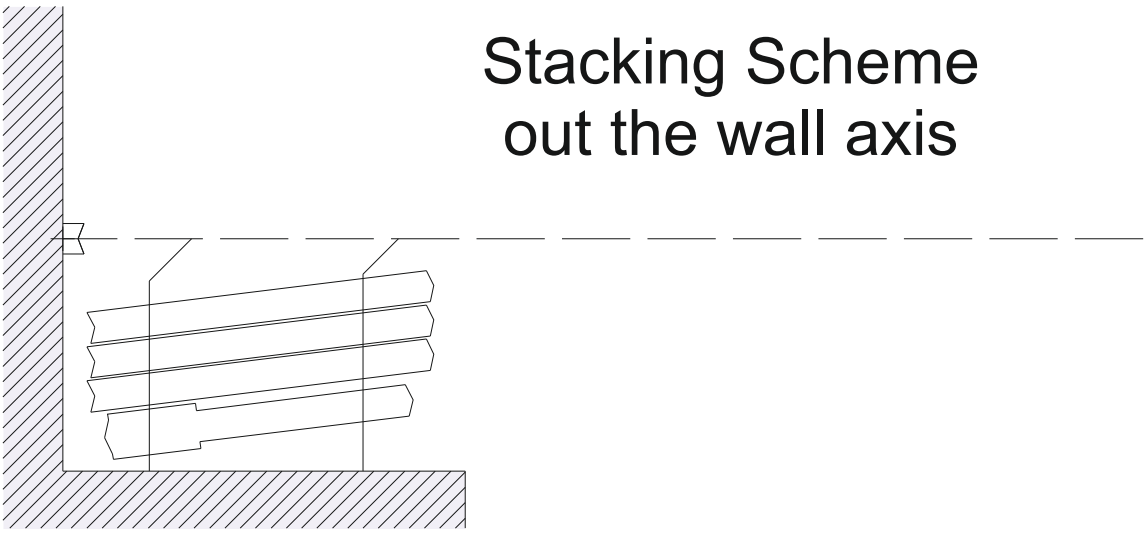


Stacking Scheme “1K-01”

Distended Wall

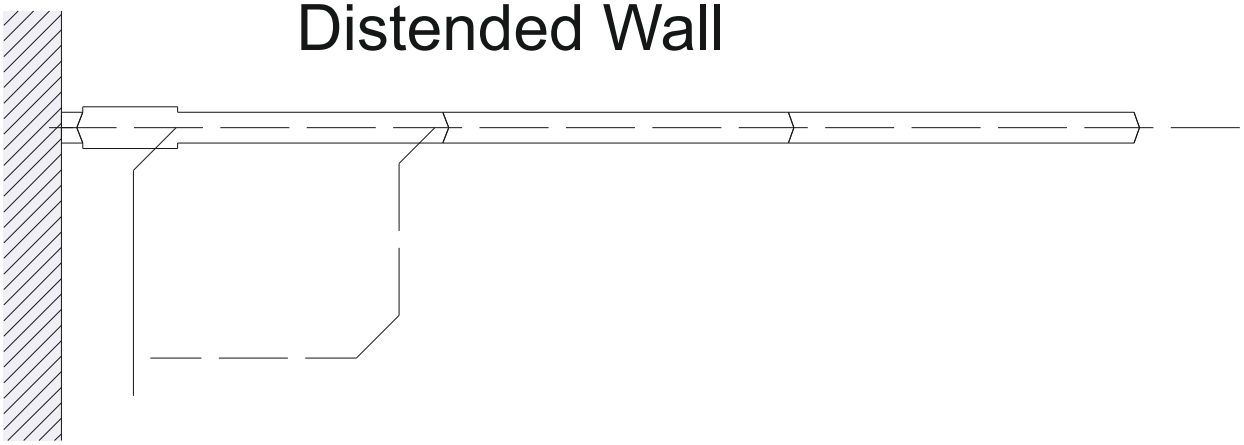


Stacking Scheme out the wall axis

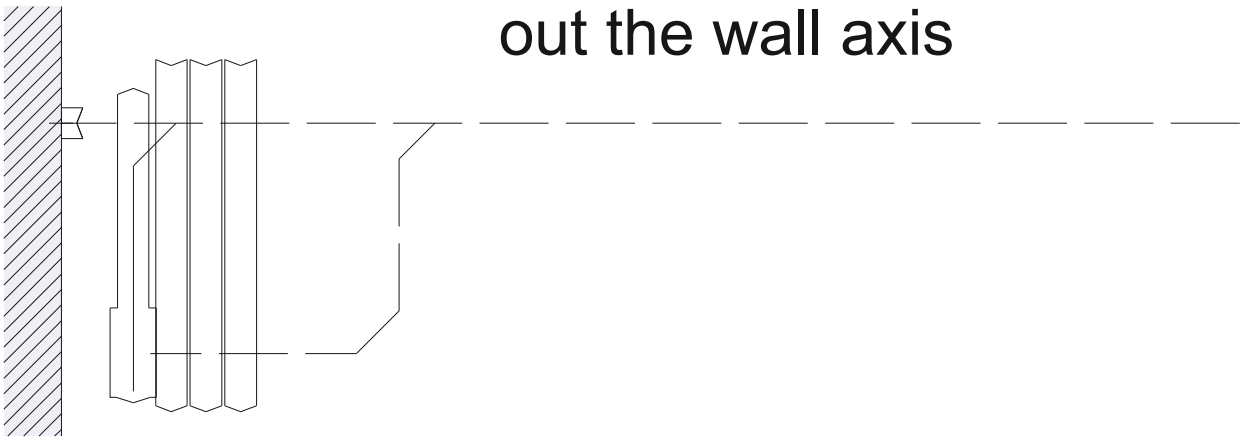


Stacking Scheme “1K-02”

Distended Wall

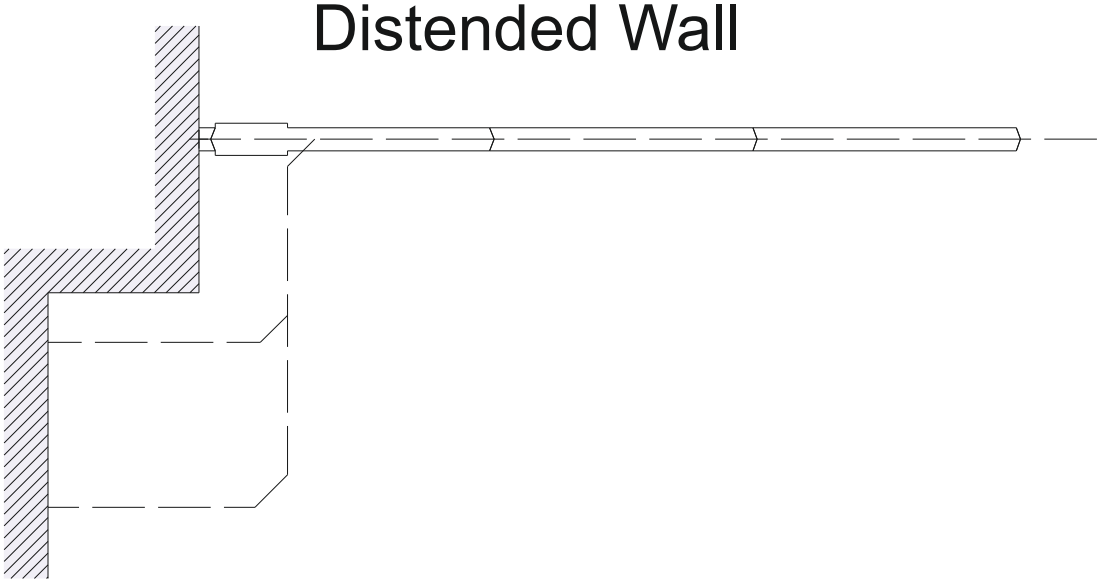


Stacking Scheme out the wall axis

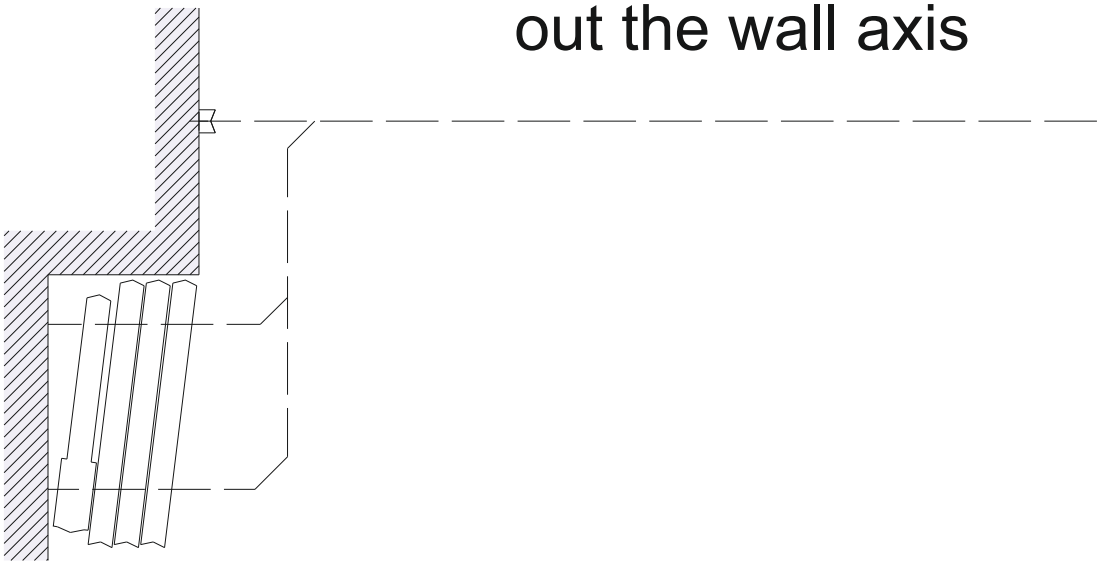


Stacking Scheme “1K-03”

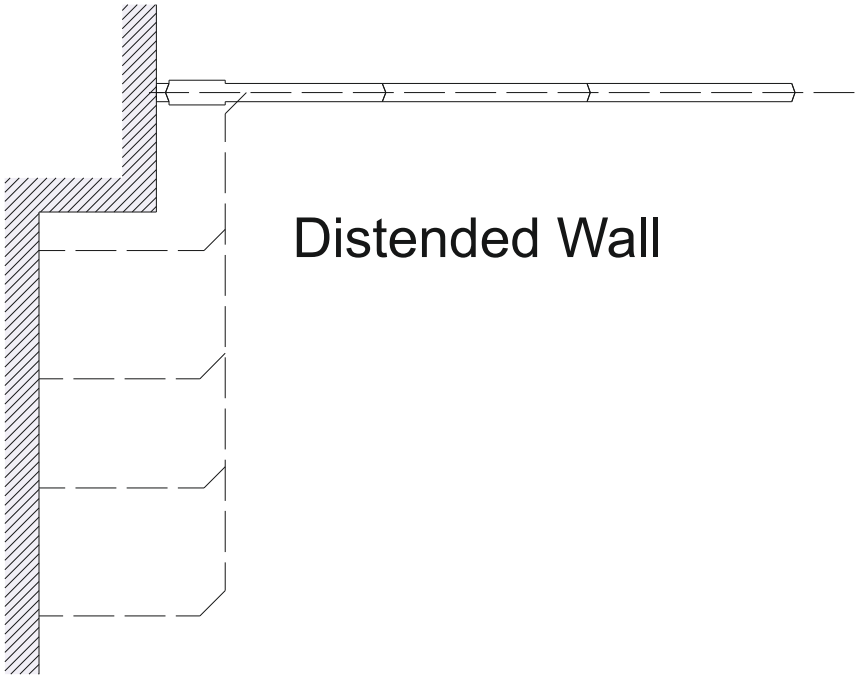
Distended Wall



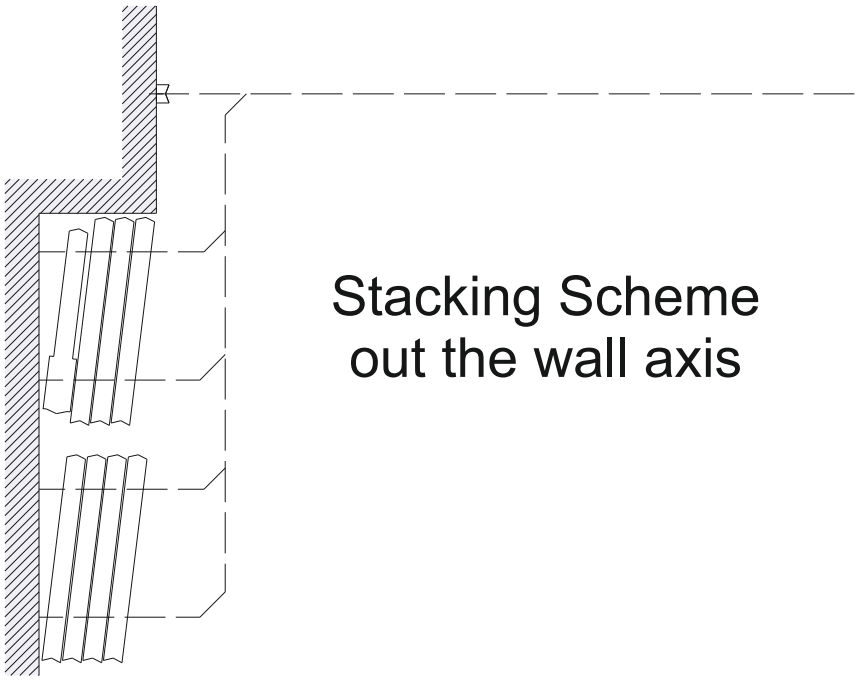
Stacking Scheme out the wall axis



Stacking Scheme “1K-04”

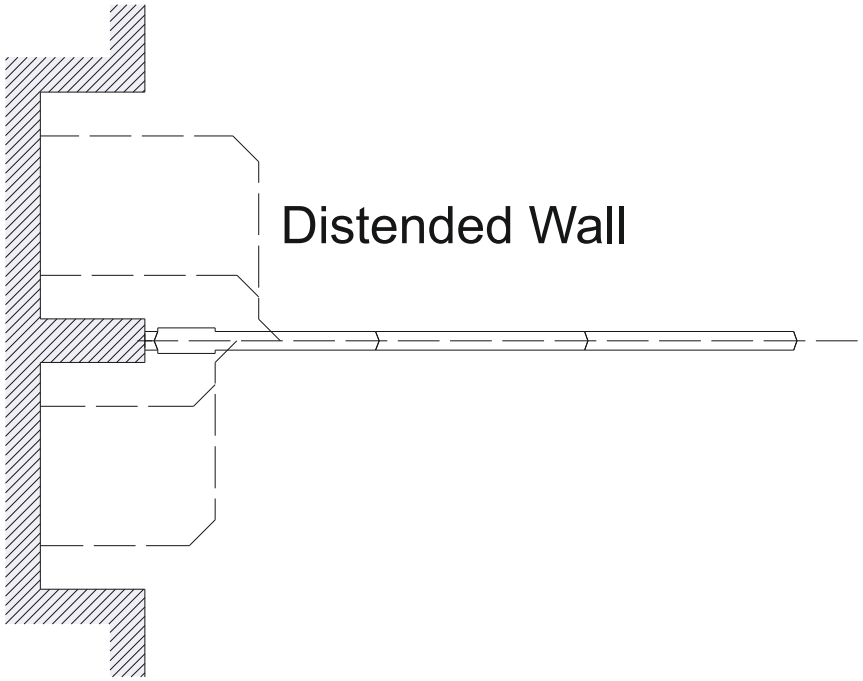


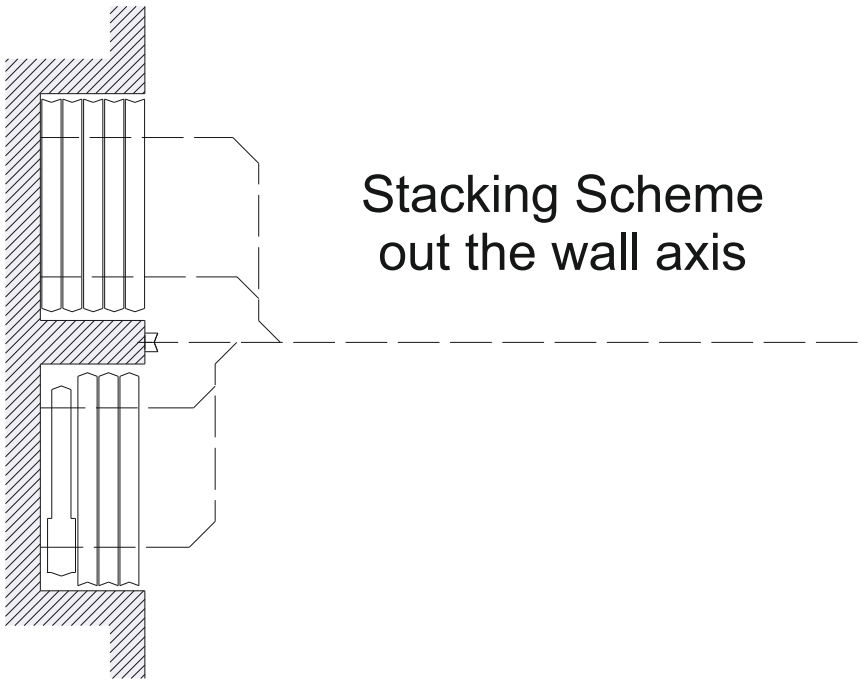
Distended Wall

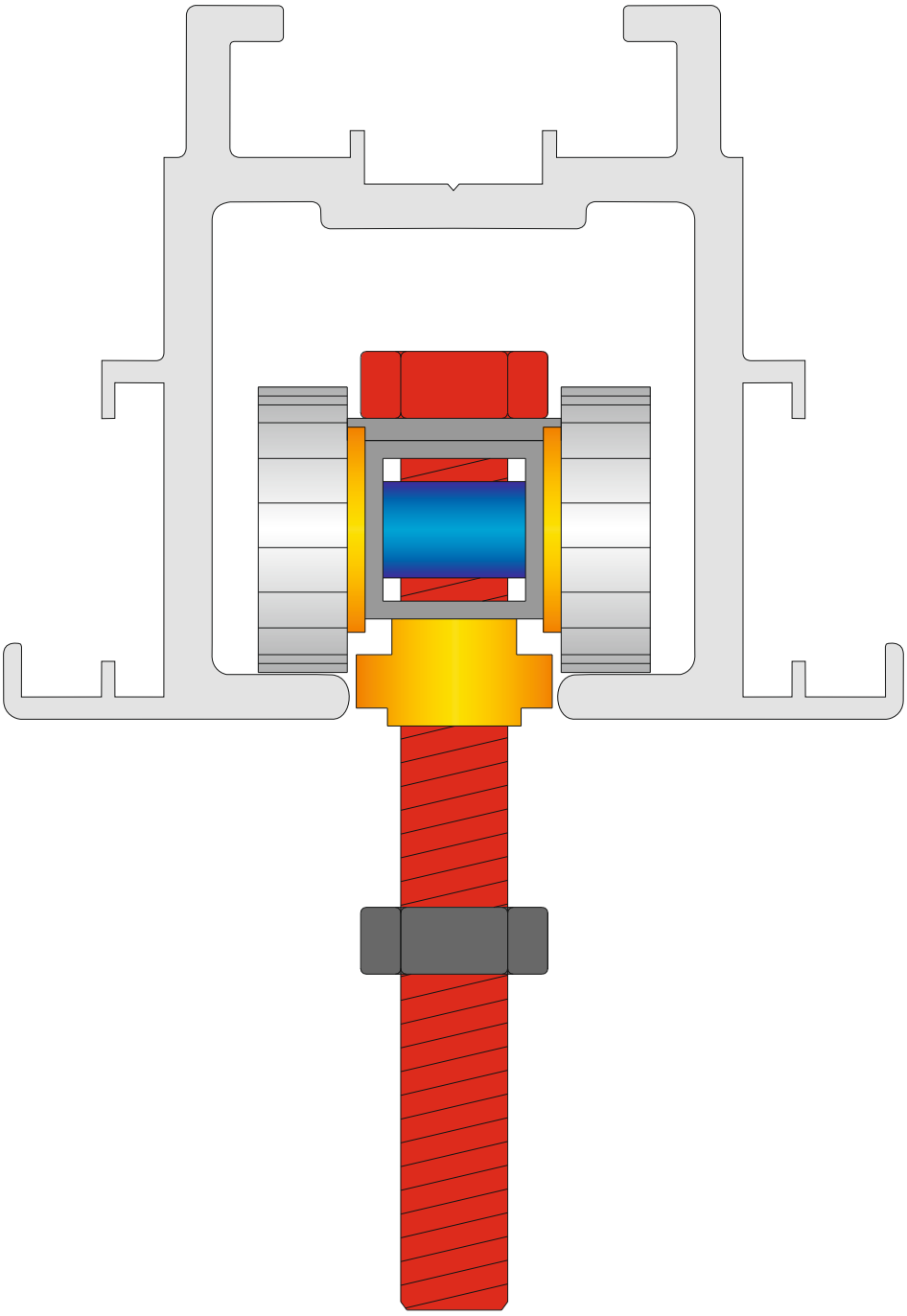


Stacking Scheme
out the wall axis

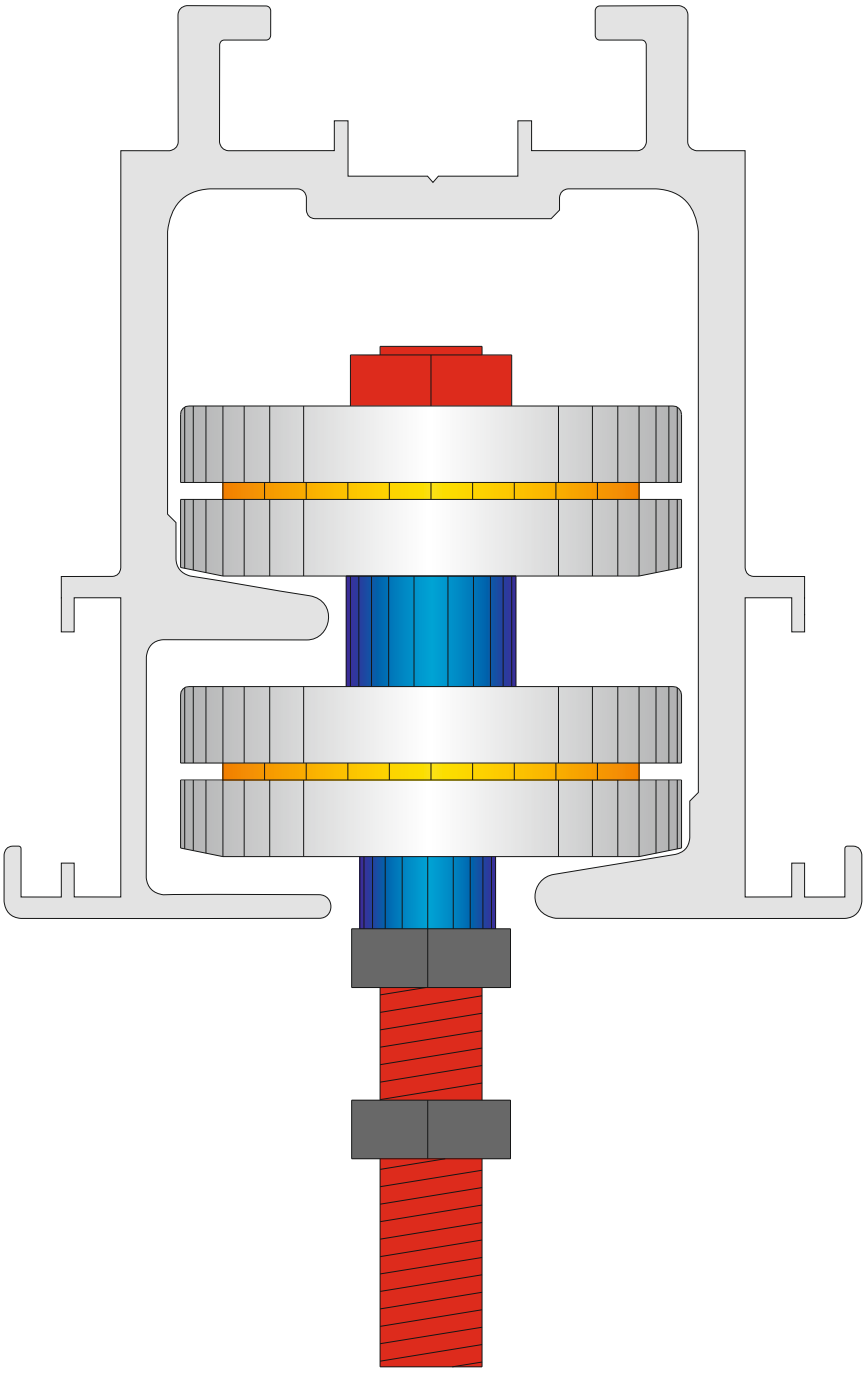
Stacking Scheme “1K-05”

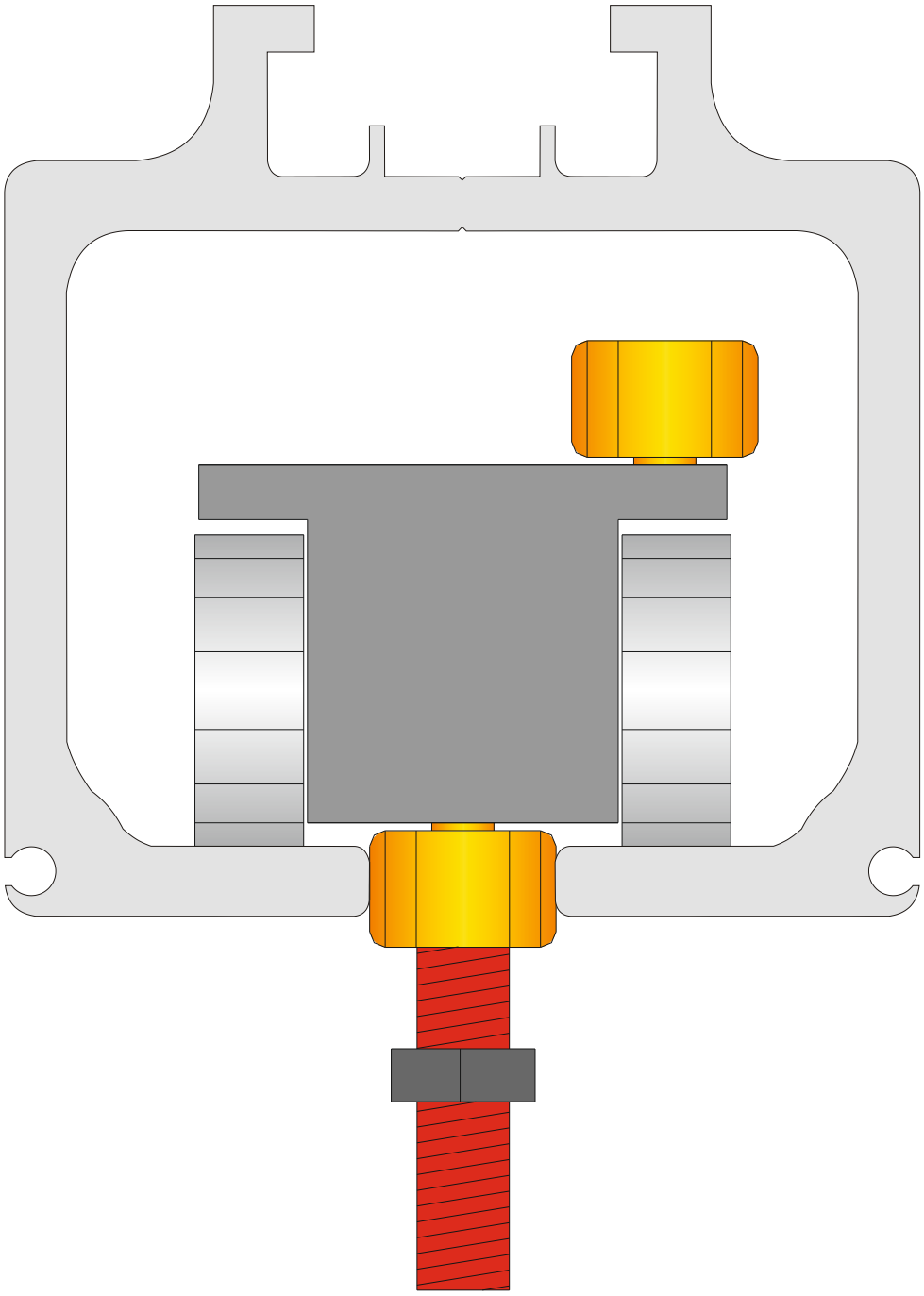






Series 800 - Trolleys and Tracks





Oddicini S.r.l. offers a wide range of versions of Maxparete operable partitions, each one featuring its own range of options.

Before consulting your Oddicini agent we suggest you a planning that allows you to make the right choices and enables us to supply you with the product that best suit your requirements.

Which space do I need to divide?

If you have to divide a specific area, you need to decide how many spaces you wish to create and their volumes. Once examined the existing space carefully, you should consider the elements that might interfere with the installation or the movement of the wall, such as windows, columns, airconducts or pieces of furniture. You should assess if all the spaces you will create are suitably equipped with the services necessary for your activities. Is there a sufficient lighting system? Air conditioning? Electricity? All these considerations could lead to variations in the division you originally planned.

Which supporting structures do I need?

Most types of movable walls are likely to depend on the load bearing elements (concrete soffits or ceilings) of the building. A verification of the soffit structure available or expected is necessary so to make sure it is fit for the anchorage of the system. In order to establish if the structure is adequate to support a movable wall it is sometimes advisable to consult a professional i.e. a structural engineer or an architect. In case the bearing structure was proved to be not suitable, there are self-supporting versions of the movable walls adapted to transfer part of the total weight of the system to the floor so to lighten the weight applied to the soffit.

How many operable partitions do I need?

Estimate how many partitions will be necessary and their approximate dimensions; your Oddicini agent will help you at a second stage to precisely assess your requirements.

Which type of activity will be hold in the desired premises?

The answer to this question will enable us to determine the required level of acoustic performances. A classroom will require, for instance, a lesser need for acoustic insulation than a concert hall. The higher is the demand for acoustic insulation, the more expensive will be the operable partitions.

It often happens that a high soundproofing is requested without taking into consideration the soundproofing of the area as a whole. The walls of a room where an operable partitions is installed should not have a soundproofing level not lesser than the movable wall itself. For more specific details on acoustic performances, please ask for Oddicini Technical Anthology or our cd-rom.

How much room is available to stack the operable partitions elements?

The position of the stacking area can enormously influence the final layout of the operable partitions. Decide the areas where the elements will be stacked and parked when the partition is not in use.

Typically these are stored at one of the two extremities of the partition. If there is enough space, the elements of the partition can be moved in a dedicated area of collection by means of additional parts of track.

Do I need special finishes?

The price of Maxparete HSP is influenced by the type of finish. The standard finishes include melamine, high pressure laminates (HPL), and various types of chipboard.

Special vinyl or fabric coverings and wood veneers of different essences are also available upon request.

Do I need special features?

Verify the safety features and standards to which the premises must conform to, the required class of fire reaction and fire resistance of the partitions, the required number and dimensions of pass doors and/or emergency exits.