oddicini

Installation Instructions

OPERABLE PARTITIONS

oddicini

OPERABLE PARTITIONS

CAUTION - SAFETY INSTRUCTIONS
Follow the instructions because an improper installation can cause serious injuries

Verification of the yard and attached documents

These instructions contain the installation procedures for the following series of Oddicini operable partitions :

DOMINO
DOMINO DUO
EXTESA
MAXPARETE HSP
MAXPARETE HSP MATIC
MAXPARETE HSP PYRO
MAXPARETE HSP PYRO MNP
MAXPARETE E-MOTION

Before going on with MAXPARETE HSP operable partition installation, please verify:
1 - The absence of obstacles that could prevent either the correct working of the partition or its installation, or the installation of the track (if not yet installed);
2 - The correspondence between on-site measured dimensions and the dimensions indicated on the attached documents (installation drawings);
3- If the track was already installed, please check its correct installation as follows:
- verify the correspondence between on-site measured dimensions and the dimensions indicated on the attached documents (installation drawings);
- verify that the track is perfectly horizontal, both longitudinally and transversally;
- verify that all the nuts for each standard track anchorage were tightened and that all the connection plate screws were tightened;

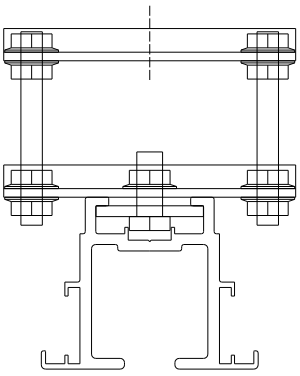
If all the above mentioned controls gave a positive result, then it is possible to go on with the installation procedure.

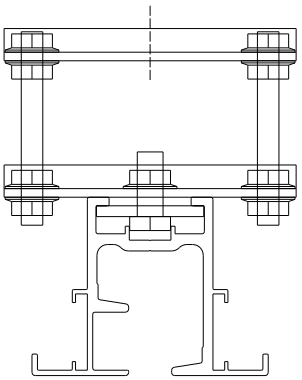
If there is no full correspondence between on-site measured dimensions and the dimensions indicated on the attached documents, please note that you can do the following adjustements:

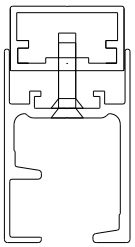
- the tracks can compensate a significant range of height differences between floor and ceiling, by adjusting the standard anchorages. Please check that the adjustements to be made fit together with the surrounding structures (such as false ceilings, beams, pipes or conduits) and always remember that the track should be perfectly horizontal, both longitudinally and transversally (see section 2 for further details)
- the elements can be regulated with respect to their vertical position acting on the supporting pins (see Section 9)
- the vertical uprights at the ends of each wall can be adjusted to compensate ± 15 mm plumb errors of the existing walls (over the upright height).

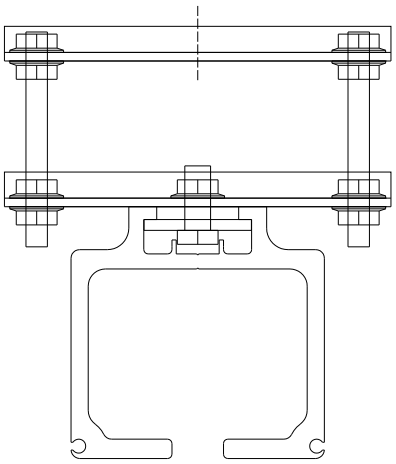
Please contact our Technical Departement in case of need.

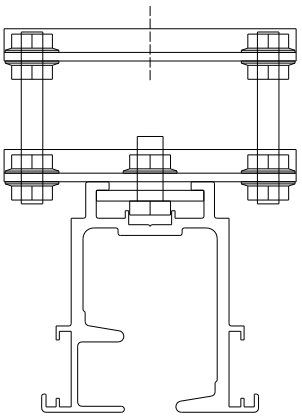
Mounting the Ceiling Track


SERIES 100 TRACK


SERIES 8LN TRACK


SERIES 8L TRACK


SERIES 1000 TRACK


SERIES 800 TRACK

Regardless of the fixing method and of the series, it is capital to install the ceiling track with perfect horizontal alignment, both in the longitudinal and transversal axis.

If you are going to install a Maxparete HSP MATIC or a Maxparete E-Motion operable partition, then you should also follow the electrical wiring instructions (Par. 9)

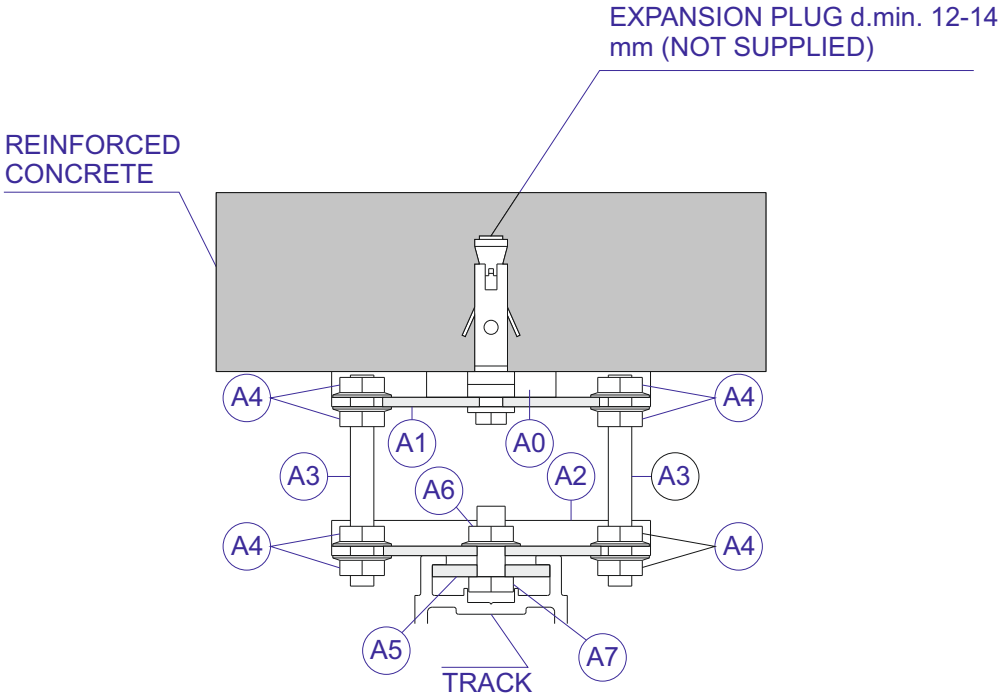
ANCHORAGE SYSTEM INSTALLATION (EXCEPT SERIES 8L TRACK)

Regardless of the track series, the track is fixed to the ceiling according to the general procedure described hereafter.

First of all either draw the track axis onto the ceiling (if the track should be directly fixed to the ceiling) or check if the position of existing supporting structures corresponds with the installation drawings.

Mounting the Ceiling Track

a) WITH EXPANSION PLUGS ON CONCRETE STRUCTURE ALIGNED WITH THE TRACK



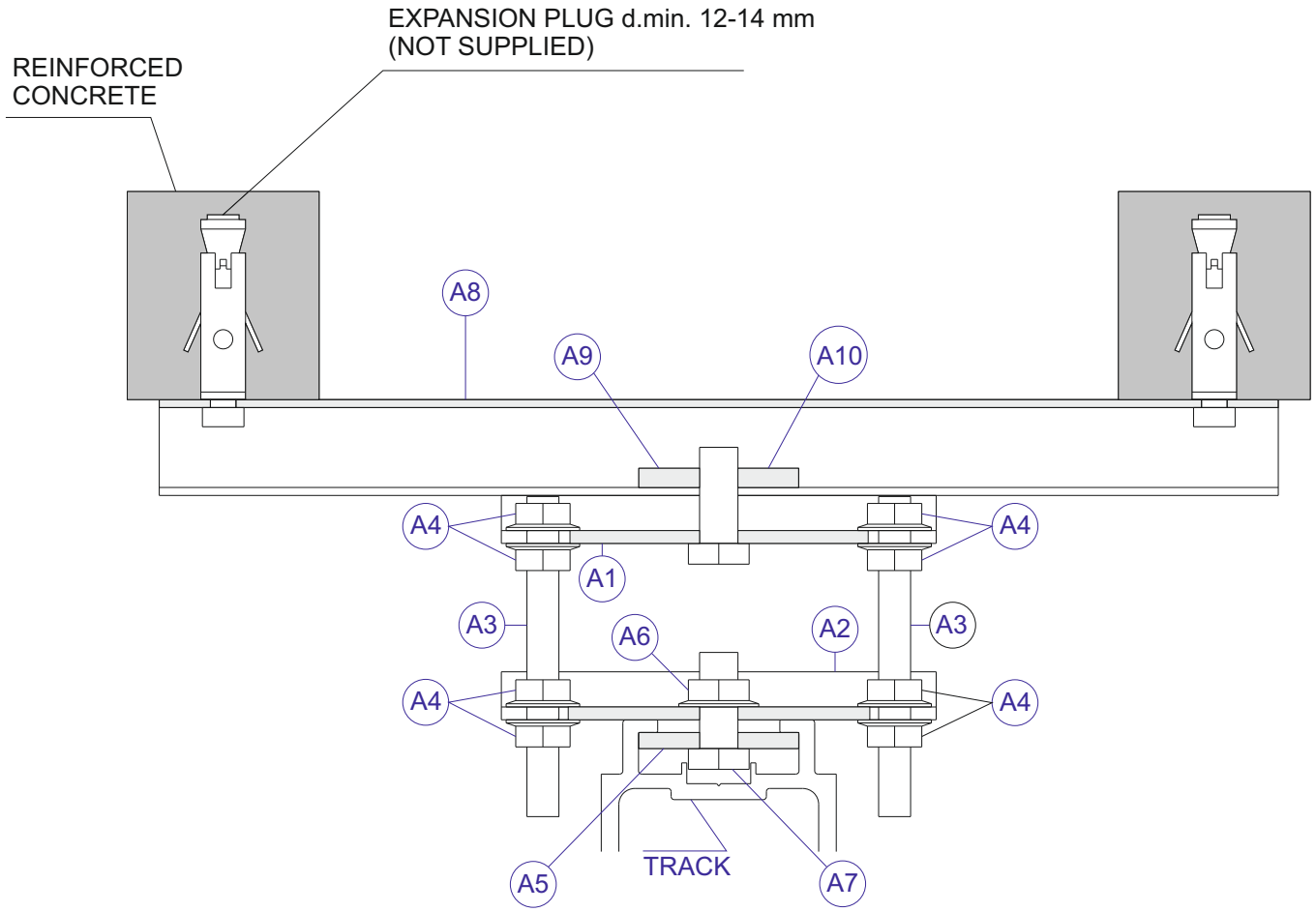
The anchorage system is composed of the following parts:
- Nr. 1 expansion plug with bolt and washer (not supplied)
- Nr. 1 aluminium squared shim (A0)
- Nr. 1 upper anchoring plate (A1)
- Nr. 1 lower anchoring plate (A2)
- Nr. 2 10 MA threaded rods for height regulation (A3)
- Nr. 8 10 MA zinc-plated flanged nuts (A4)
- Nr. 1 square counterplate 50 x 50 mm (A5)
- Nr. 1 12 MA flanged nut (A6)
- Nr. 1 12 MA TE bolt (A7), 30 mm length for series 100, 800 e 8L tracks and 50 mm length for series 1000 track

a1) TO FIX TO STRUCTURE OF WOOD LAMINATED ALIGNED WITH THE TRACK

Proceed as above, but use wood screws diameter 10 mm and lenght minimum 80 mm instead of expansion plugs

Mounting the Ceiling Track

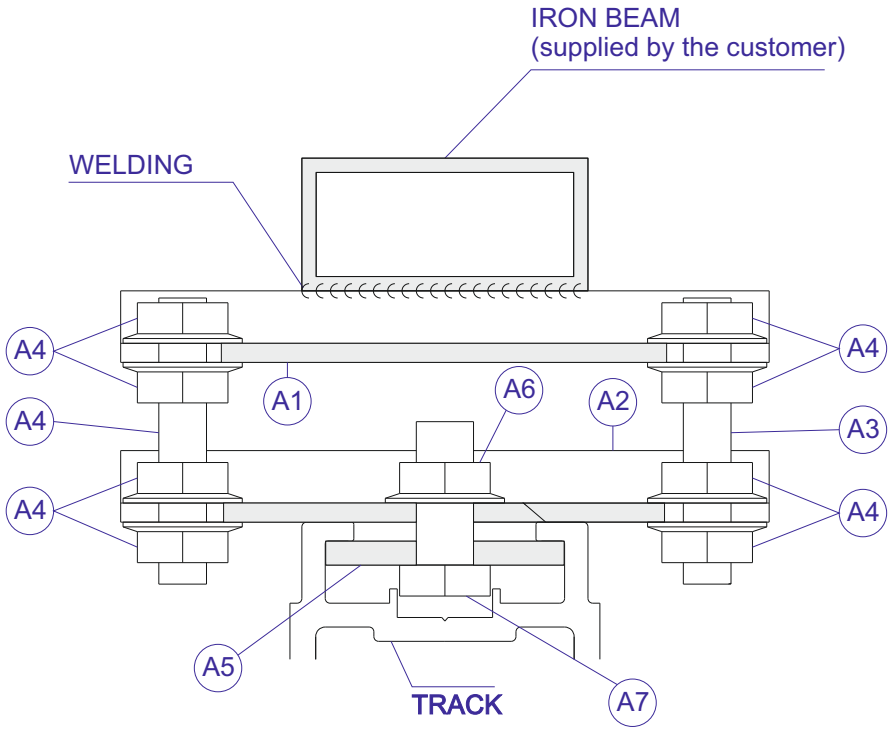
b) WITH EXPANSION PLUGS ON CONCRETE STRUCTURE NOT ALIGNED WITH THE TRACK



In this case a steel profile is added to the anchorage system, which is then composed of the following parts:
- Nr. 2 (or more) expansion plugs with bolts and washers (not supplied)
- Nr. 1 upper anchoring plate (A1)
- Nr. 1 lower anchoring plate (A2)
- Nr. 2 10 MA threaded rods for height regulation (A3)
- Nr. 8 10 MA flanged nuts (A4)
- Nr. 1 square counterplate 50 x 50 mm (A5)
- Nr. 1 12 MA flanged nut (A6)
- Nr. 1 12 MA TE bolt (A7), 30 mm length for track series 100, 800 and 8L or 50 mm length for track series 1000
- Nr. 1 multi-hole zinc-coated steel profile (length depending on the concrete beam spacing) (A8)
- Nr. 1 M12x30 te bolt (A9)
- Nr. 1 counterplate (A10)

Mounting the Ceiling Track

c) WELDED ON EXISTING IRON BEAM



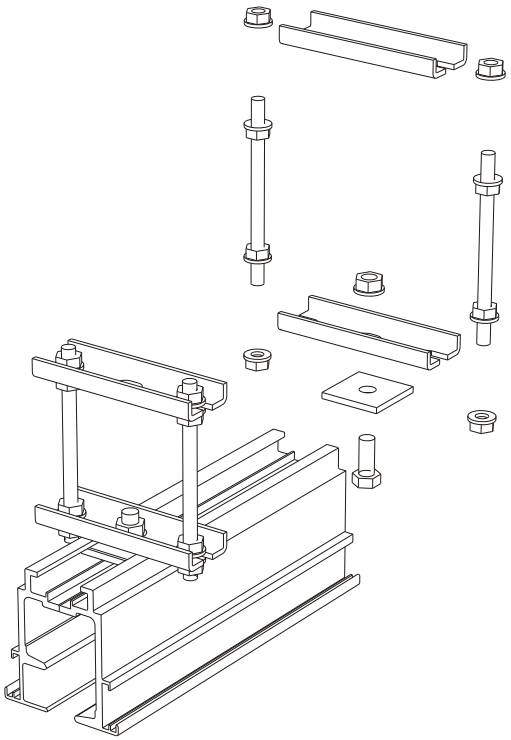
The anchorage system is composed of the following elements:
- Nr. 1 upper anchoring plate (A1) to be welded to the iron beam
- Nr. 1 lower anchoring plate (A2)
- Nr. 2 10 MA threaded rods for height regulation (A3)
- Nr. 8 10 MA zinc-plated flanged nuts (A4)
- Nr. 1 square counterplate 50 x 50 mm (A5)
- Nr. 1 12 MA flanged nut (A6)
- Nr. 1 12 MA TE bolt (A7), 30 mm length for series 100, 800 e 8L tracks and 50 mm length for series 1000 track

Always remember that the spacing between the anchoring plates should be not more than 600 mm in the operating zone of the track and not more than 200-250 mm in the stacking zones of the track.
For monodirectional elements (with single trolley), both ends of the track should be regarded as stacking zones (to improve safety).
If the 10MA threaded rods (A3) are supplied in full length rods and should be cut on site, the cutting length is 55 mm shorter than the distance between the upper edge of the structure and the lower edge of the track.

Mounting the Ceiling Track

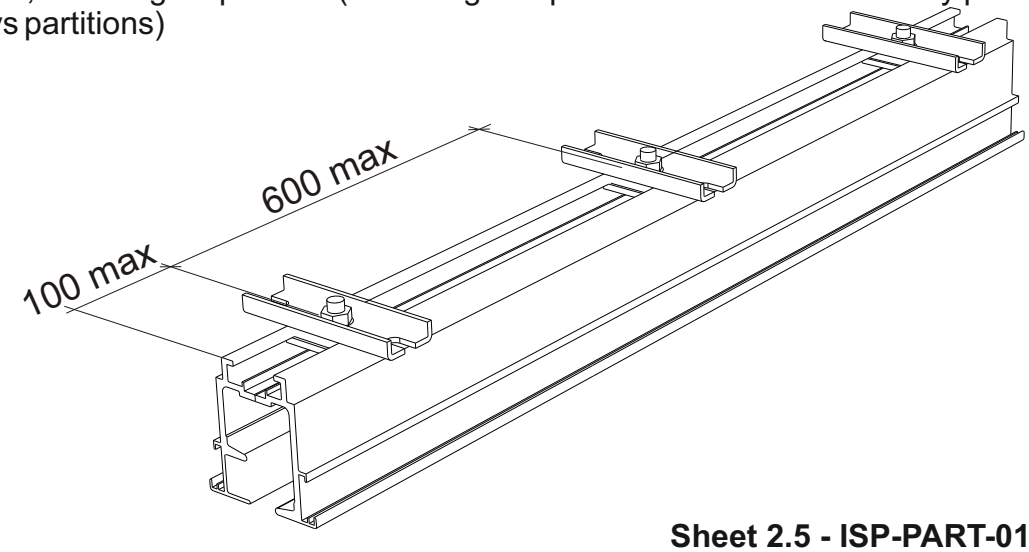
TRACK INSTALLATION (EXCEPT FOR SERIES 8L TRACK)

Regardless of the series, the ceiling track is usually supplied in elements with the lower anchor plates (A2) already mounted.
Note that the lower plates position can be adjusted by unlocking the 12 MA flanged nut (A6). The track is fixed by fastening the lower anchoring plates to the upper anchoring plates, using the 10 MA threaded rods and the corresponding nuts. (A3).



The ceiling track is usually subdivided in the following elements:

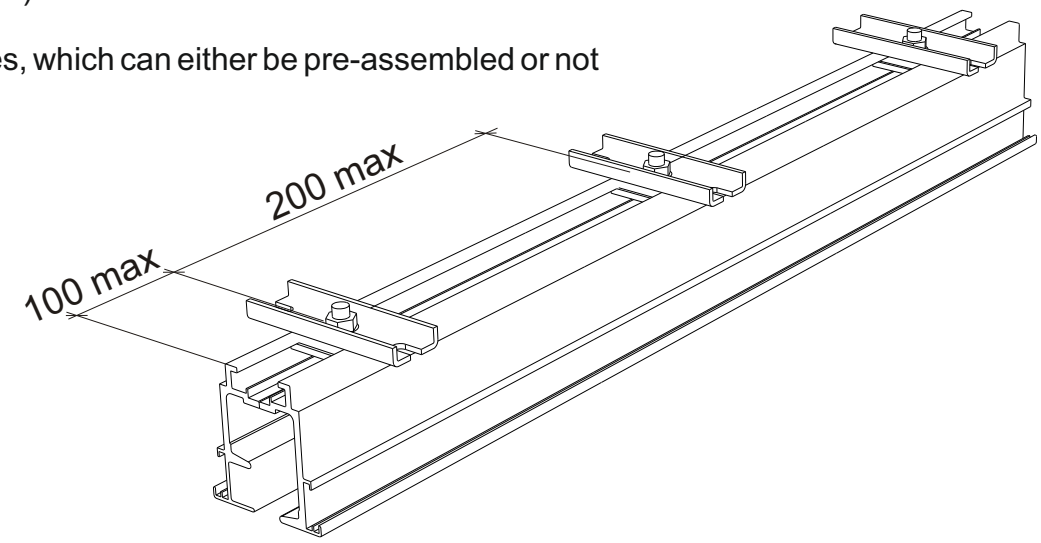
- straight element, with length up to 3 m (anchorage step is **400 mm max** for 1 trolley partitions and **600 mm max** for 2 trolleys partitions)



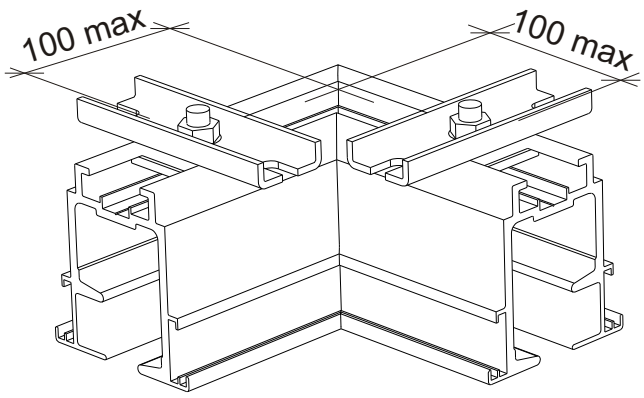
Mounting the Ceiling Track

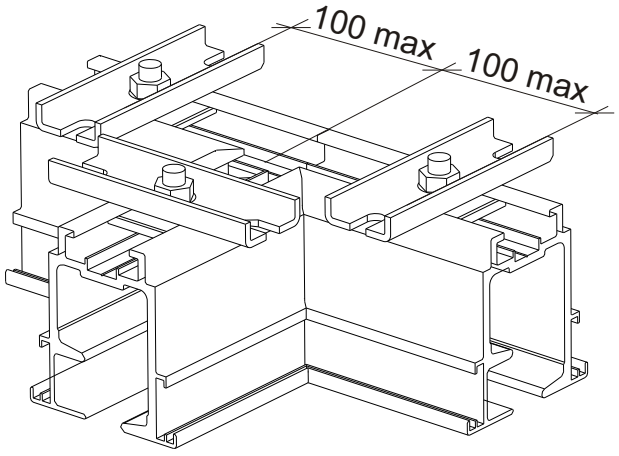
- Removable elements (to be used to insert the element trolleys into the track), of variable lenght (standard length is 500 mm)

- Stacking zones, which can either be pre-assembled or not



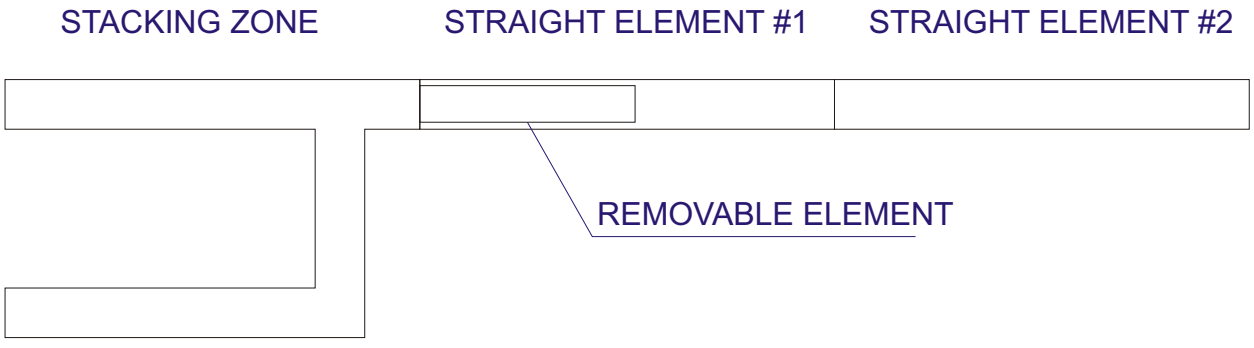
- “L” or “T” connections (for 2 trolley elements)





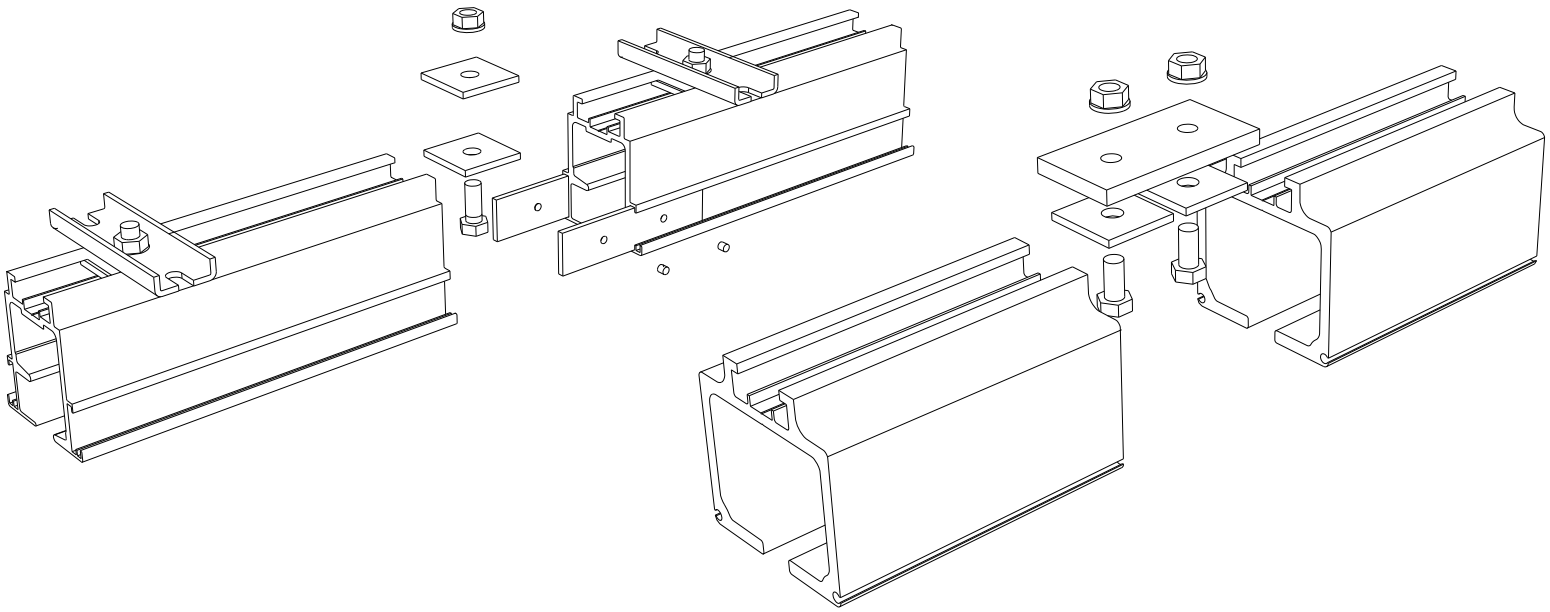
- Custom elements

The ceiling track should be composed by fixing the track elements starting from the stacking zones and going on towards the end of the operating zone



Mounting the Ceiling Track

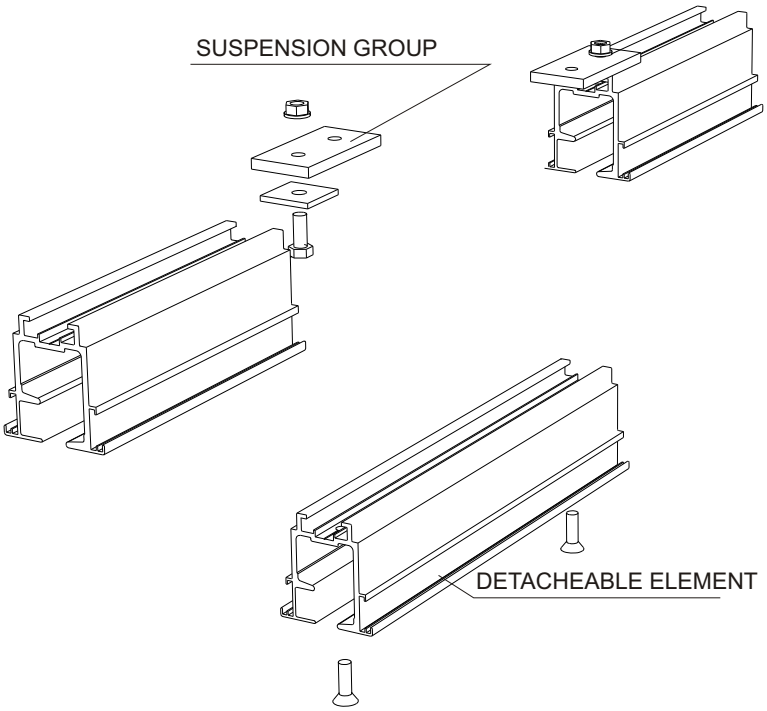
The track elements should be joined together using the supplied JOINING GROUPS. These are composed of lateral steel plates fixed with M6x6 screws and of an upper plate with counterplate fixed with M12x30 bolt and



The detacheable element should be joined to the adjacent elements using the suspension group.

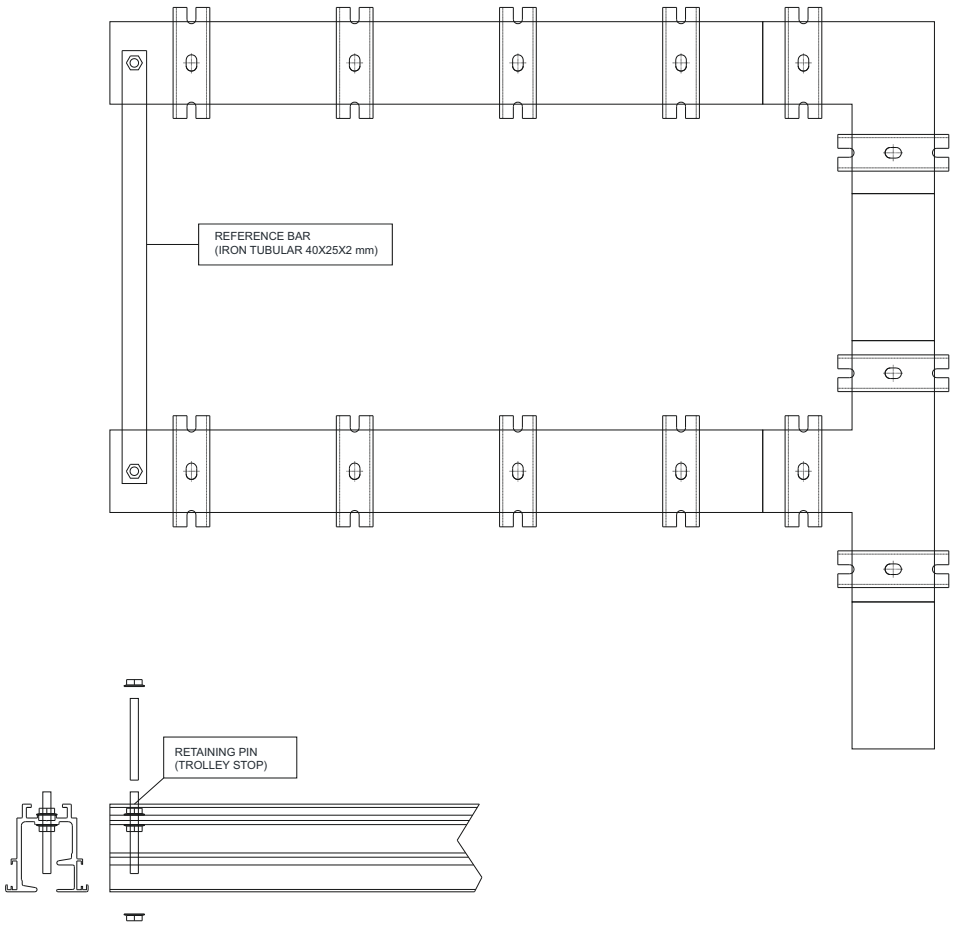
SUSPENSION GROUP:
Join the suspension plates with the square counterplates, the M12x30 bolts and the 12MA flanged nut; then join the removable element using the M10x50 recessed head screws

NOTE: the detacheable element is equipped with metal plates to avoid fixing and locking by third parties.



Mounting the Ceiling Track

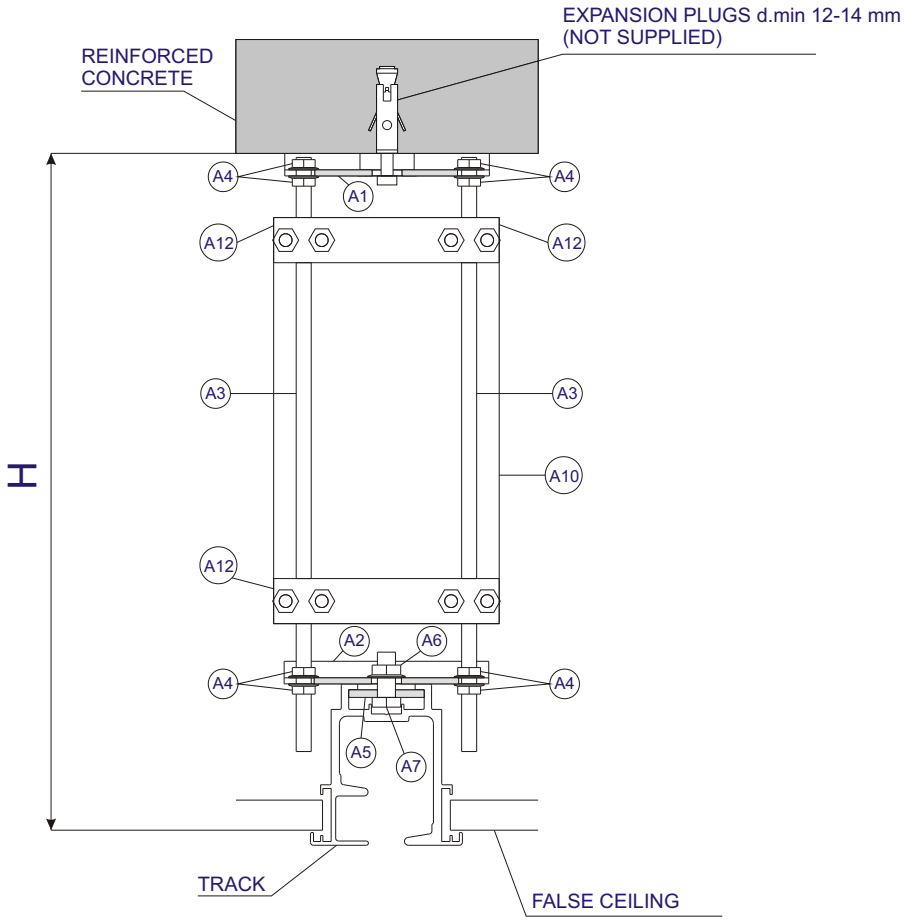
Insert the retaining pins on the ends of the parking area tracks and fix them with the appropriate screws; leave the pins protruding in the top of the rail track.
If partitions with 2 trolleys, having multiple parking area tracks, insert the reference bar between the 2 pins of each couple of tracks (iron tubular 40x25x2 mm): this makes reference for the 2 tracks, paired, to remain parallel to each other.



Mounting the Ceiling Track

INSTALLING THE STIFFENING PLATES (IF SUPPLIED)

If the partition height H (fig. 5) lies between 405 and 800 mm, the stiffening plates should be used. These are supplied in addition to the standard anchorages and are composed of: one 3-mm thick iron plate (A11), two (if H lies between 405 and 605 mm) or three (if H lies between 605 and 1000 mm) 4-hole counterplates (A12), and M8x30mm bolts with nuts (A12). Those should be fixed according to the following drawing.
No stiffening plate should be used if the ceiling track element length is less than 1000 mm; one stiffening plate should be used if the ceiling track element length lies between 1000 and 2000 mm; two stiffening plates should be used if the ceiling track element length lies between 2000 and 3000 mm.



For series 800/8LN ceiling track mounting, pay attention to the internal wing position as the track elements should face one another so that the internal wing is kept continuous, thus avoiding any sliding problem.

Pay attention to the removable track element: this shuold be positioned following the installation drawings and checking that easy disassembly and reassembly is granted. This is crucial in ensuring that future changes, maintenance and controls may be successfully done.

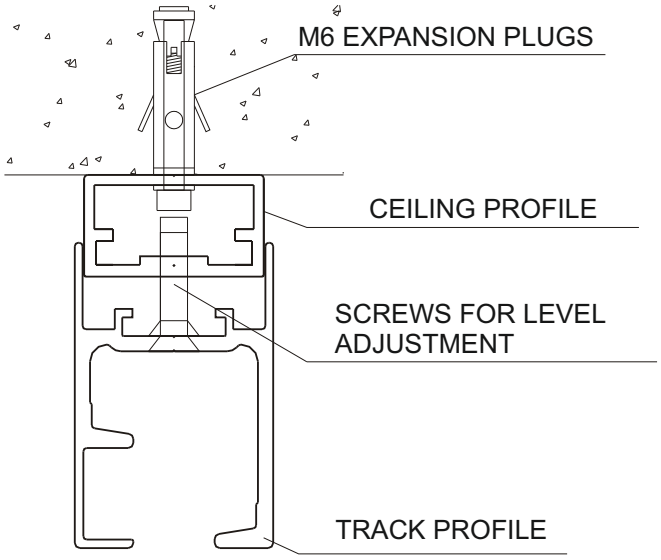
Once each track element is mounted, please check its perfect horizontal alignment, both in the longitudinal and transversal axis and if necessary adjust its position by working on the 10MA flanged nuts (A4).

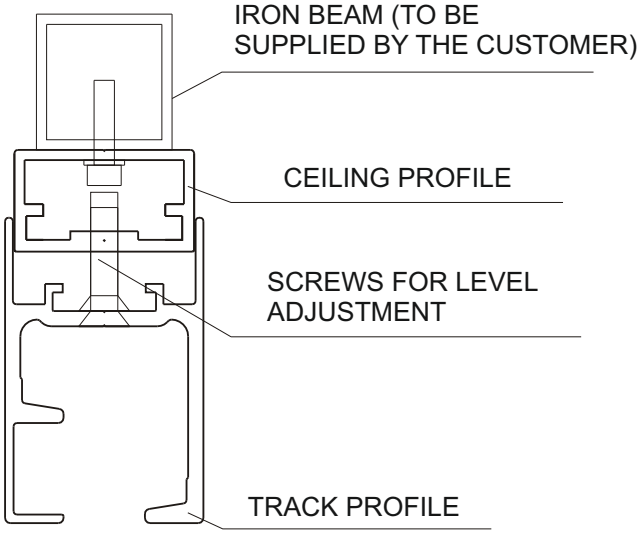
Mounting the Ceiling Track

TRACK INSTALLATION (SERIES 8L)

This type is made by two aluminium profiles:
- the first one has to be fixed directly to the ceiling (normally on reinforced concrete with expansion plugs).
- the second one, containing the element trolleys, is linked to the first one by a double-screw system, one pulling (acting as a tie rod) and the other pushing (acting as a strut) in order to level in plan the tracks.

This kind of track is normally supplied assembled with the two profiles already coupled.
The series 8L track is subdivided in the following elements (as for the other series):
- Straight elements of variable length
- Straight elements, with removable element, of variable length
- Straight elements for “L” and “T” connections,
- Parking areas, already assembled or to be assembled in site.
- Special parts.





Note: pay attention to internal wings position. The tracks must couple each other mantaining continuity of internal wings to avoid problems during trolley sliding.

When the ceiling profile is fixed, track profiles must be fixed as the last one to be inserted is the removable element (that is, the removable track set to insert elements), always set:

- in the middle of the straight part of the track in case of monodirectional partitions (i.e. with elements with one trolley)
- at the exit of main parking area in case of multidirectional partitions (i.e. with elements with two trolleys).

Mounting the Ceiling Track

INSTALLATION OF RAIL TRACK SERIES 1000

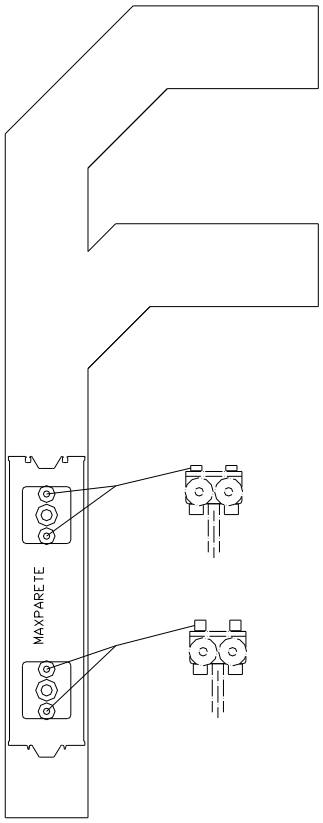
The Heavy Duty Rail Track Series 1000 is standard used for items from 400 kg to 1000 kg, normally multidirectional (2 trolleys).

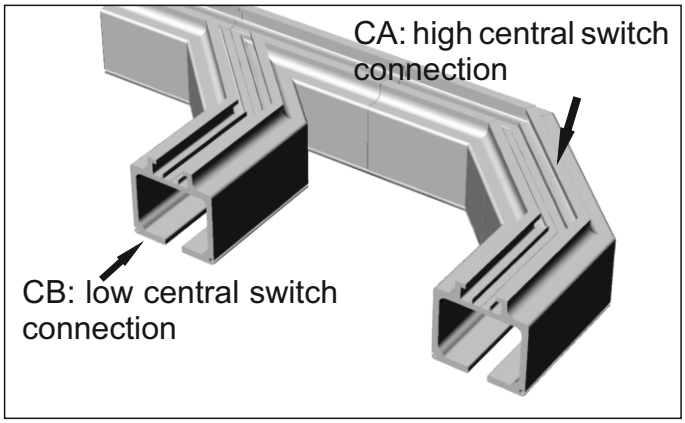
The main peculiarity of this rail system is to be equipped with internal switches that drive trolleys along the curves and into park areas.
For this reason the rail switches are of 6 types:

CA: high central switch (with central switch 20 mm high)
CB: low central switch (with central switch 10 mm high)
IA: high internal switch (with internal switch 20 mm high)
IB: low internal switch (with internal switch 10 mm high)
EA: high external switch (with external switch 20 mm high)
EB: low external switch (with external switch 10 mm high)

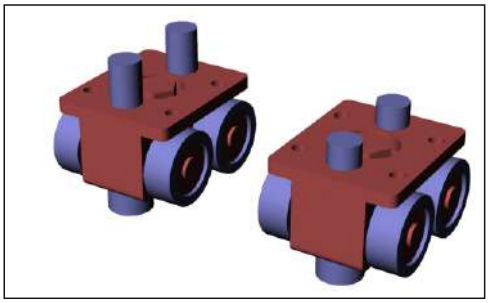
Pay attention and care in assemblihg and installing the rail switches following indications and drawings of Oddicini S.p.A.

The trolleys are fitted with roller bearings in the upper part (2 or more) which match with rail track switches.





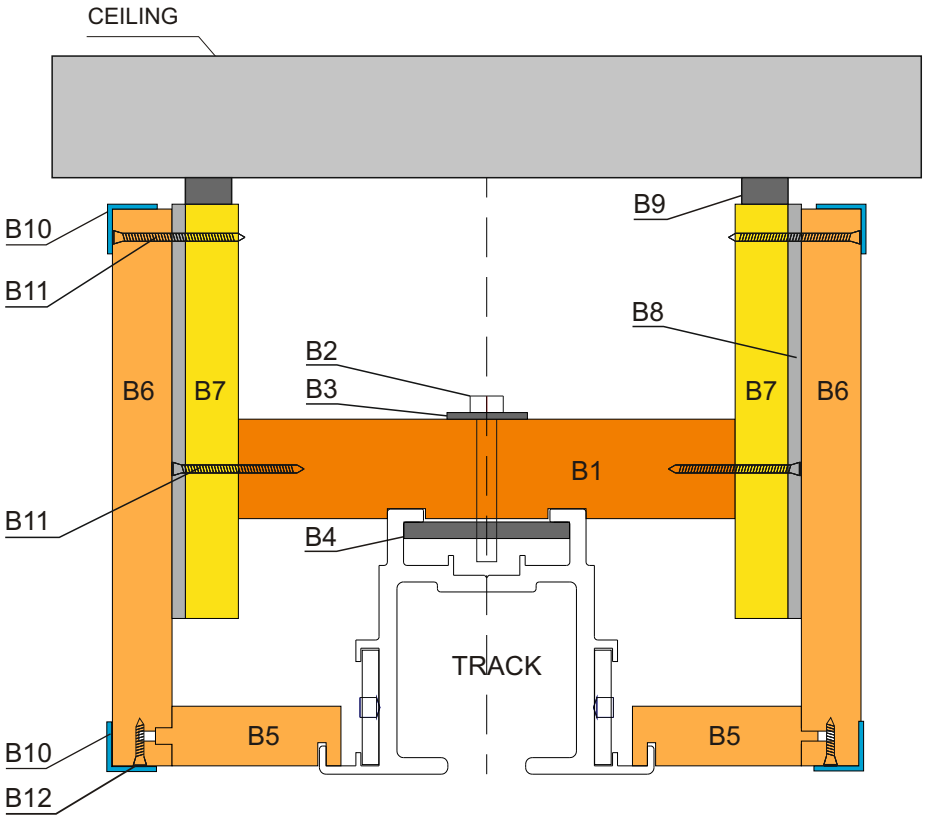
Example of exit to park area with a «T» and a «L» connections



Examples of trolleys equipped with central roller bearings high and low

Mounting the Track Covering (if supplied)

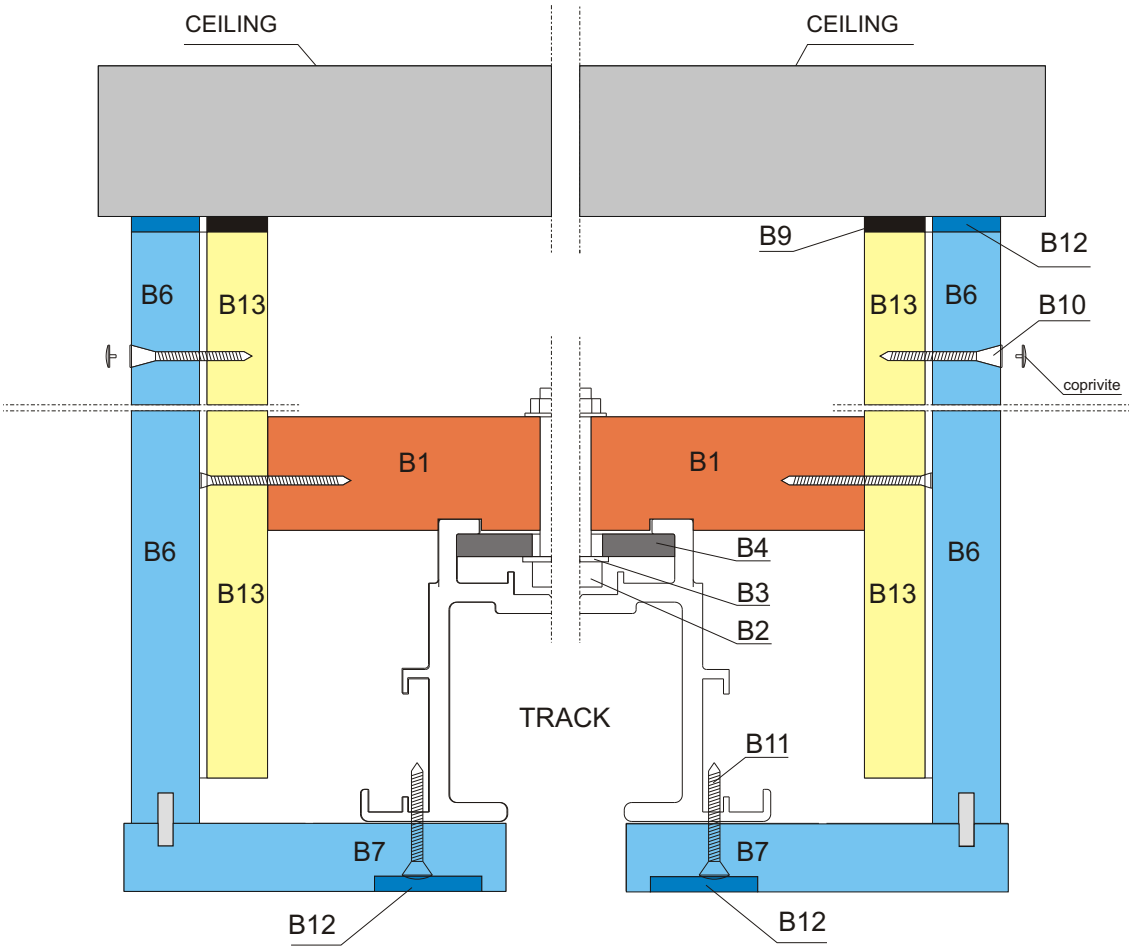
STANDARD TRACK COVERING



Place the wood fixing blocks (B1) and join them to the track as depicted by means of the M6x50 bolt (B2), the d.6x14 mm washer (B3) and the supporting plate (B4). The wood fixing blocks spacing should be 1000 mm and the blocks distance from the track end should be 500 mm.
Join the lower track covering (B5) to the lateral finishing panel (B6); glue to couple them.
Fix the bitumen sheet (B8) to the acoustic panel (B7). Drill the acoustic panel (B7) in correspondence to the wood fixing blocks (B1), then mount it to the wood fixing blocks (B1), using the wood screws, and at the same time place the 10 mm thick ISOLFOAM gasket (B9) between the acoustic panel and the ceiling.
Place the previously assembled track covering (lower track covering + lateral finishing panel) making it rest on the track as depicted, then join the lateral finishing panel (B6) to the acoustic panel using the 4,5x35 mm screws (B11) and cover them with the aluminium «L» profile; if necessary, cut/ adapt the lateral panel (B6) to match the ceiling.
Then, cover the joint between vertical and horizontal panels with aluminium «L» profile (B10) and fix with screws 4x18 mm (B12).

Mounting the Track Covering (if supplied)

MAXPARETE HSP PYRO VERSION (EI 60) - PYRO MNP VERSION (B15) TRACK COVERING



Remember that the lower track covering panels are ALWAYS supplied at least for the operating zone of "Maxparete HSP PYRO" operable partition.

Place the wood fixing blocks (B1) and join them to the track as depicted by means of the M6x50 bolt (B2), the d.6x14 mm washer (B3) and the supporting plate (B4). The wood fixing blocks spacing should be 1000 mm and the blocks distance from the track ends should be 500 mm.
Fix the horizontal panel (B7) to the track with screws 3,5x30 mm (B11). Then hold the lower covering to the track using the nuts and the fixing plates.
Drill the acoustic panel (B13) in correspondence to the wood fixing blocks (B1), then mount it to the wood fixing blocks (B1), using the wood screws, and at the same time place the 10 mm thick ISOLFOAM gasket (B9) between the acoustic panel and the ceiling. Join the lateral finishing panel (B6) to the acoustic panel, using the 4,5x35 mm screws (B10) and cap them with the screw head caps; at the same time, put the intumescent gasket between the lateral finishing panel and the ceiling.
If necessary, cut the lateral finishing panel to correct any ceiling height difference.
Place the intumescent gaskets (B12) on the lower track covering panel as depicted.

Mounting the Vertical Starting and Arrival Uprights

The starting and arrival uprights must be placed perfectly plumb, both with respect to the fixing wall plane and to the plane perpendicular to the fixing wall.

If you are installing a MAXPARETE HSP MATIC or a MAXPARETE E-Motion operable partition, please look at the electrical wiring instructions. (Section 9)

MAXPARETE HSP

Remove the strip plug gasket, unscrew the fixing screws and remove the frontal female profile group (fig a).

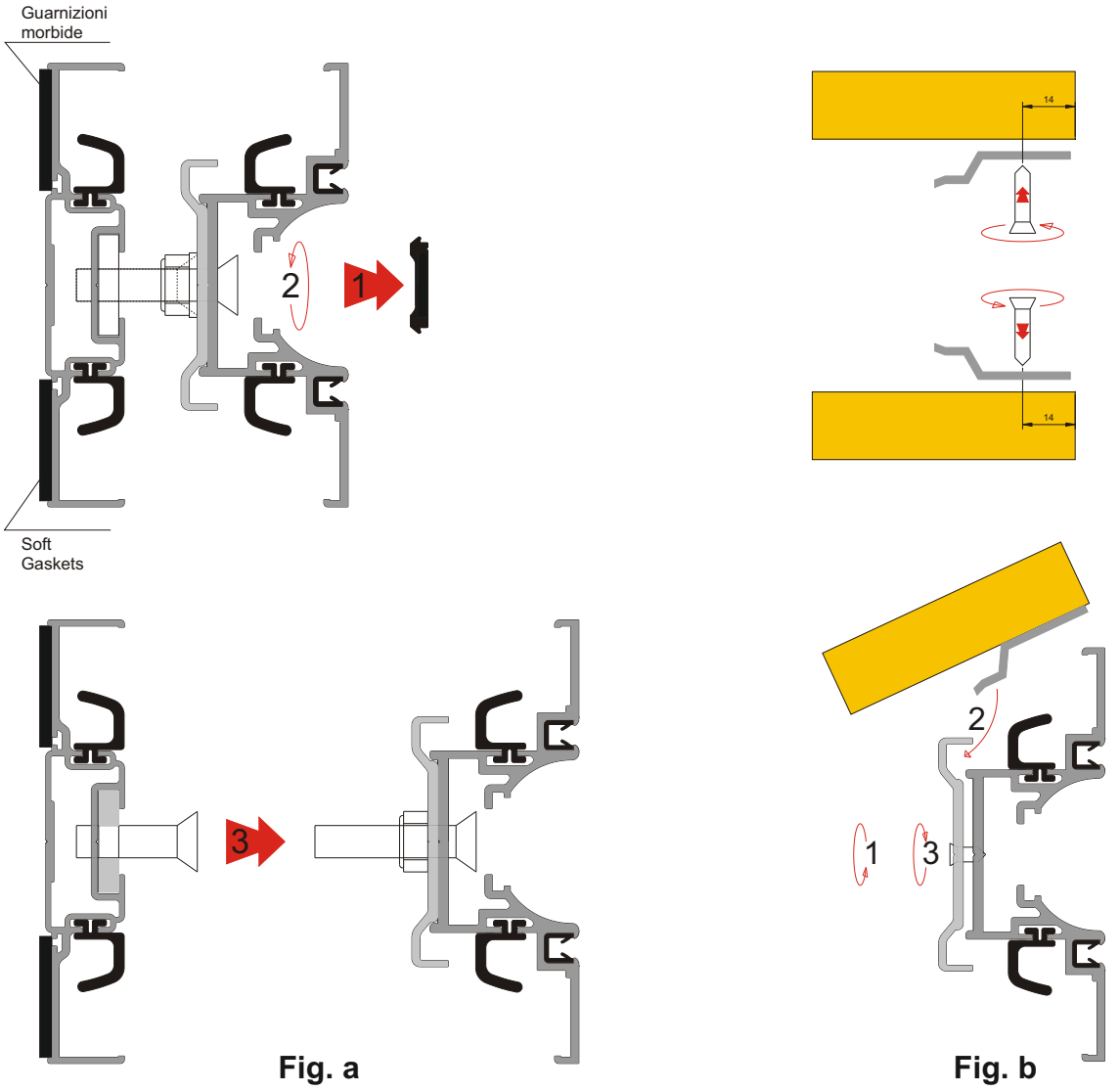


Fig. a **Fig. b**

If the finishing panels are supplied separately, join the L-shaped fixing plates to the panels as depicted (fig. b): the fixing plates position should correspond to the position of the fixing groups (those with two screws) on the front side of the profile. Unlock the fixing groups screws, insert the panels on the front side as depicted (fig. b), then lock again the fixing groups screws. This way, the front part of the upright becomes a single piece.

Mounting the Vertical Starting and Arrival Uprights

WALL-MOUNTED VERSION (BY EXPANSION PLUGS)

Place the rear part of the upright by inserting the upper plate into the ceiling track neck, then check the plumb and mark the positions for the wall plugs and the floor plug. Drill the holes and place the plugs, then fix the rear upright side to the wall and to the floor, checking the upright plumb.

FOR FLOOR-AND-TRACK-MOUNTED VERSION

As previous, but the plug should be placed on the floor only whereas the track fixing should be done using the L-shaped fixing device supplied (fig c).

Insert the front part of the upright an the rear side, fixing the screws to the corresponding plates (fig. d).

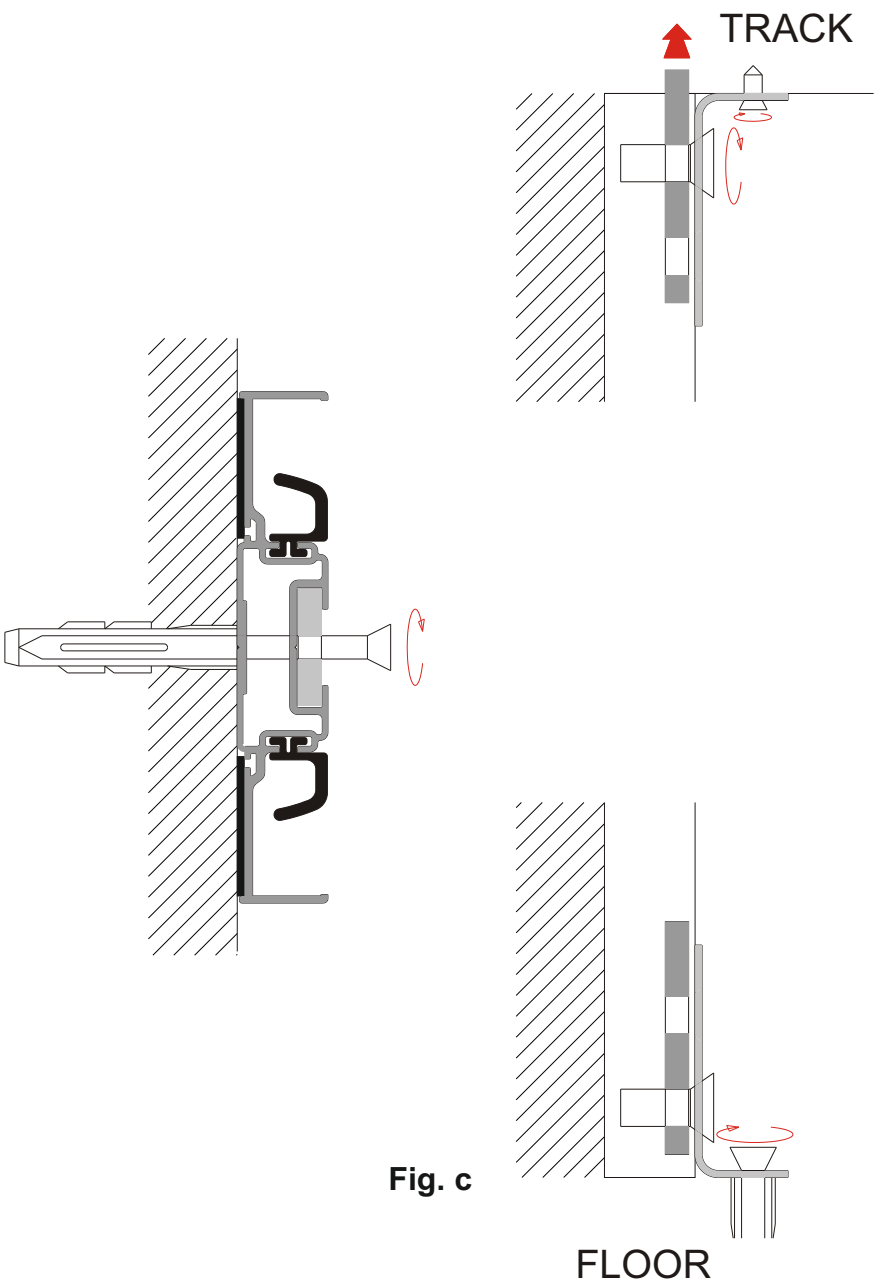


Fig. c

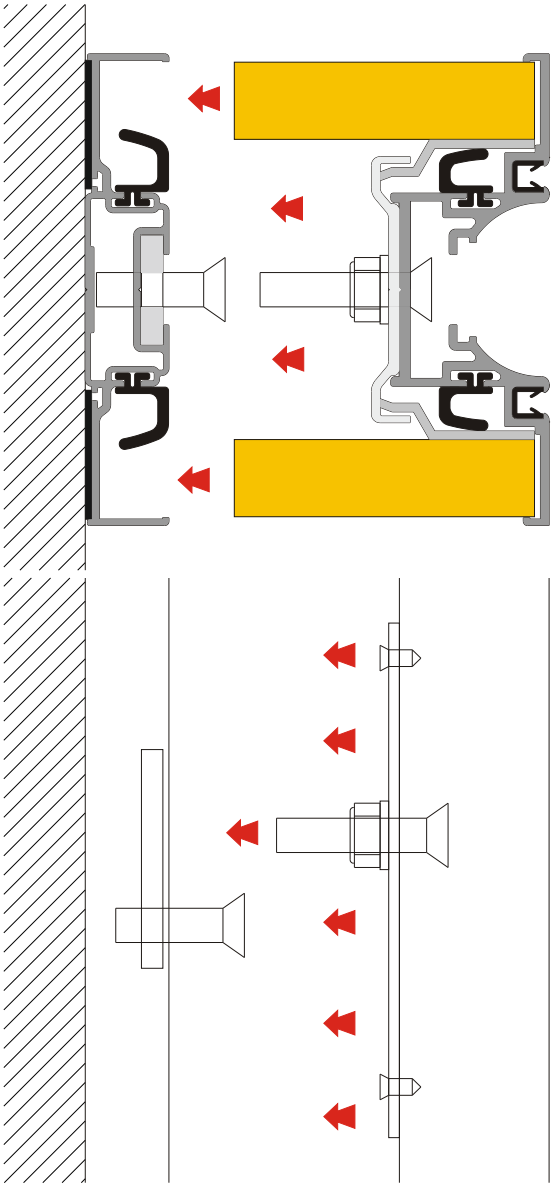


Fig. d

Mounting the Vertical Starting and Arrival Uprights

Adjust the front part plumb by acting on the regulation and fixing screws (fig. e).
For upright width more than 150 mm, The rear part of the upright is composed of two vertical profiles joined together with horizontal profiles: fix the vertical profiles to the track and to the floor using the supplied Lshaped plates. Go on as previously explained in order to install the front part of the upright.
If possible **don't go beyond the width indicated on the installation drawings.**
Screw the rear stiffening screws and insert the plug gasket (fig. f).

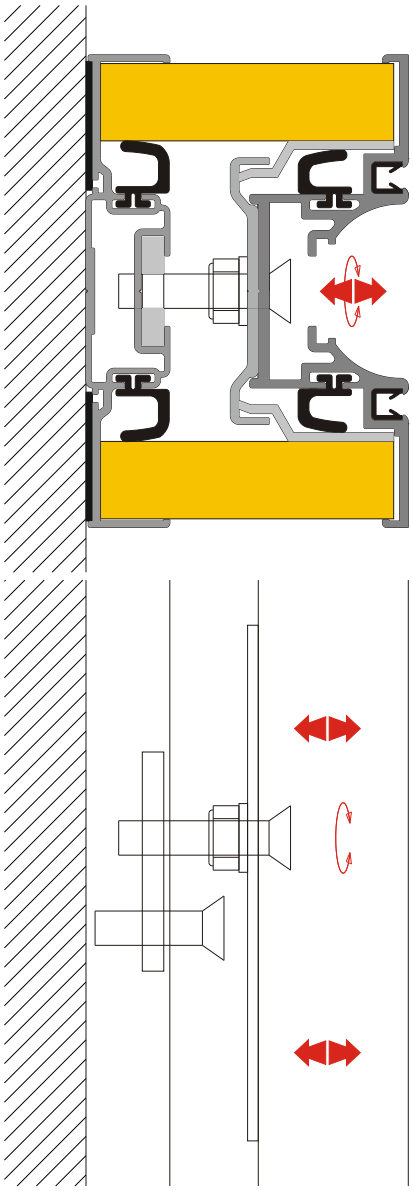


Fig. e

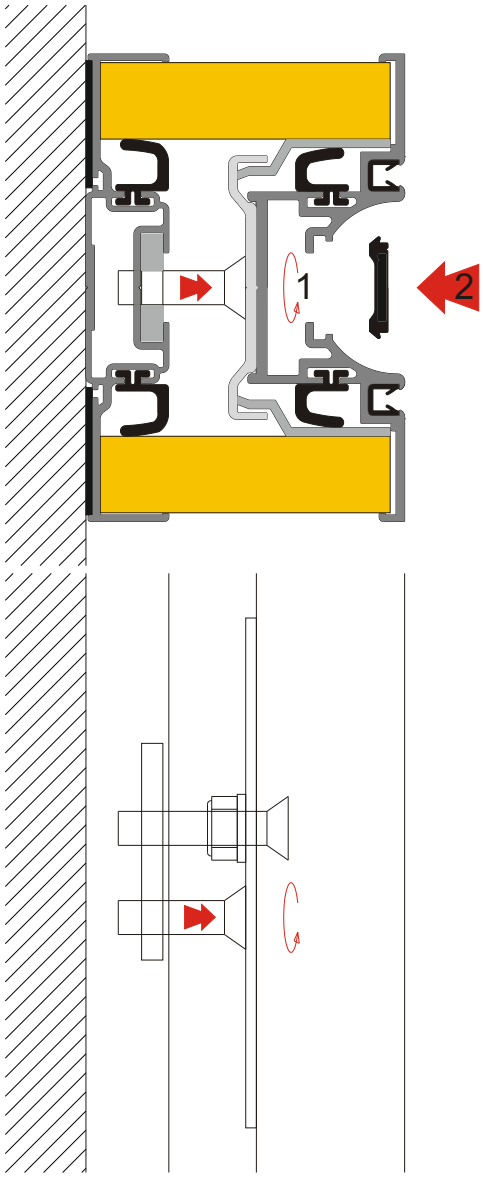
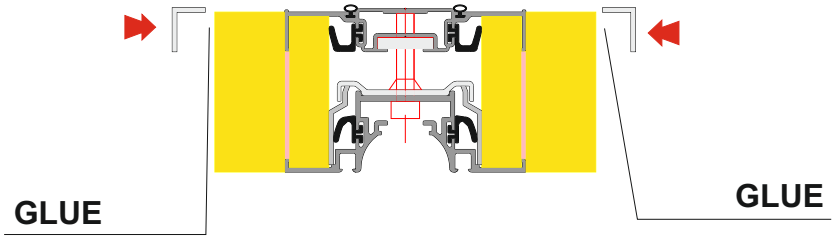


Fig. f

Mounting the Vertical Starting and Arrival Uprights

ARRIVAL UPRIGHT FOR SOUND INSULATION 55-57 dB VERSIONS

For the assembling follow the instructions of previous pages.. **Pay attention that finishing panels are made of double layer panels and have to be placed as on figure**. Whe installation is completed, and the upright is perfectly vertical, vertical aluminium profiles have to be glued on both sides as on figure.



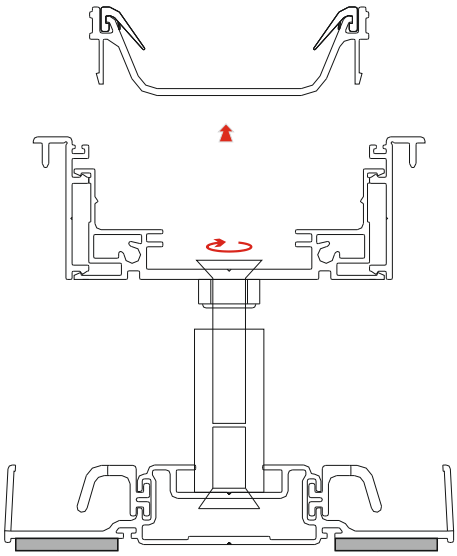
Mounting the Vertical Starting and Arrival Uprights

MAXPARETE E-MOTION

IF THE UPRIGHT IS FURNISHED WITH PANELS TO PREPARE:
- Prepare pannels gluing the vertical soft gaskets (fig.a)
- Act on fixing bolts, remove the aluminium profile from the upright rear part. (fig.b)

IF THE UPRIGHT IS FURNISHED WITH PANELS ALREADY ASSEMBLED:
- Act on fixing bolts, remove the aluminium profile laready linked to panles from the upright rear part. (fig.c)

Fig. a



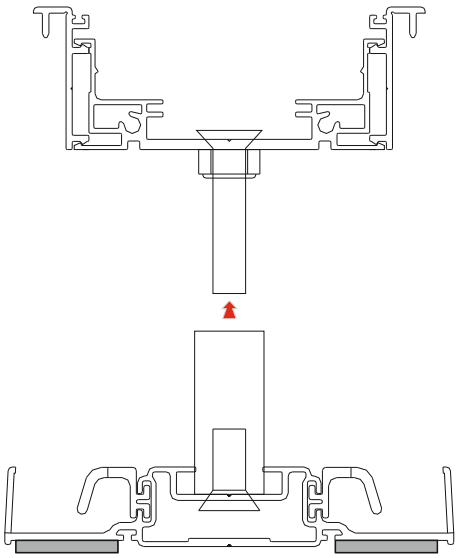
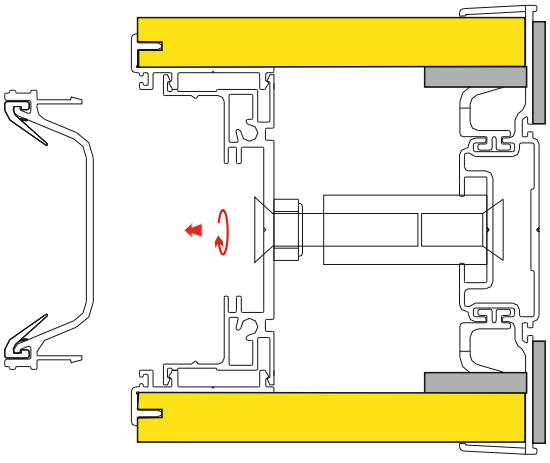
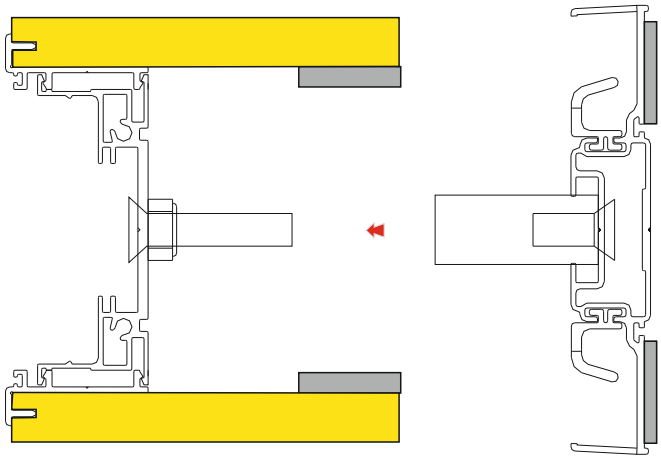


Fig. b





Mounting the Vertical Starting and Arrival Uprights

WALL-MOUNTEDVERSION (BY EXPANSION PLUGS)
Place the upright rear part and insert the upper block into the track; check the plumb and draw the wall/floor plug positions. Place the plugs and hold the upright rear part to the wall/floor, checking again the perfect plumb (fig. c).

FOR FLOOR-AND-TRACK-MOUNTED VERSION
As previous, but the plug should be placed on the floor only whereas the track fixing should be done using the L-shaped fixing device supplied (fig d).
Insert the front part of the upright an the rear side, fixing the screws to the corresponding plates (fig. e).

Before assembling the front part of the upright, please do the electical connections (see Sheet 9.1). Insert the front part of the upright, with the finishing panels mounted on the aluminium profil: each screw should correspond with its fixing block as depicted (fig. e). We strongly suggest you to let the commander disassembled, i.e. to mount the front part of the upright with the commander cable leaning outside the commander hole.

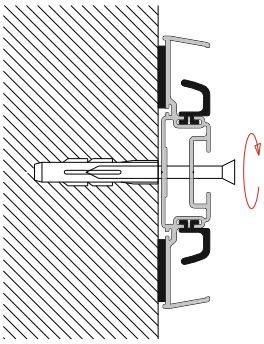


Fig. c

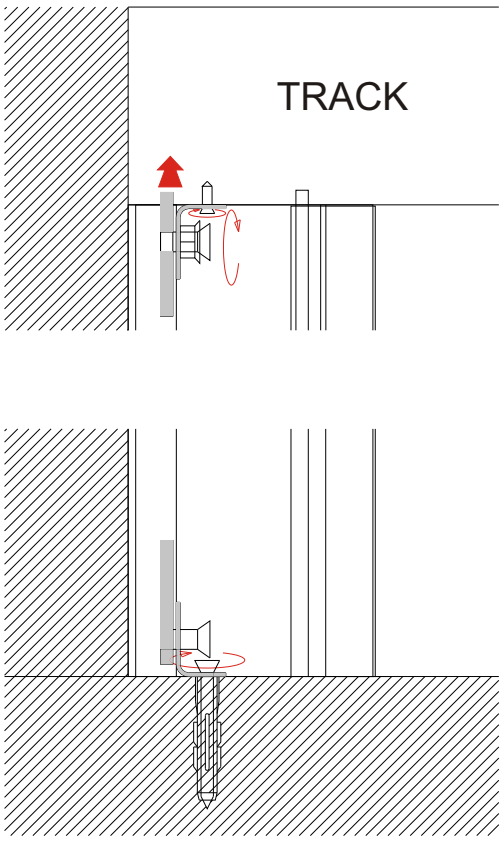


Fig. d

BEFORE MOUNTING, PLEASE DO THE ELECRICAL CONNECTIONS

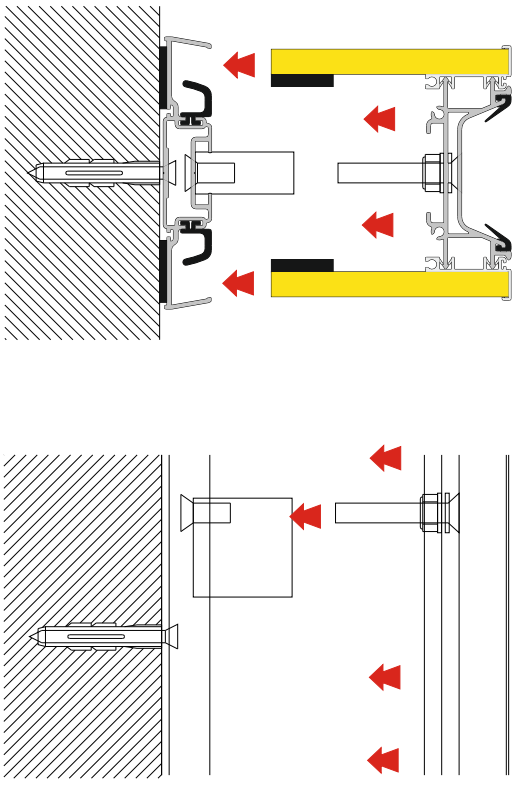


Fig. e

Mounting the Vertical Starting and Arrival Uprights

Adjust the front part plumb by acting on the regulation and fixing screws (fig. f).
For upright width more than 150 mm,The rear part of the upright is composed of two vertical profiles joined together with horizontal profiles: fix the rear profile (using plugs or L shaped fixings as previously described) then fix the front profile (using hte suppied L shaped fixings). Then place the upright front part (i.e. the female profile) and adjust it as previously described.
When adjusting the upright, please **do non exceed the upright width as stated on the installation drawings**.
Complete the electical wirings by linking the Commander cable to the commander itself and placing it into its hole.

Pay attention: the Commander must be installed in a visible way!

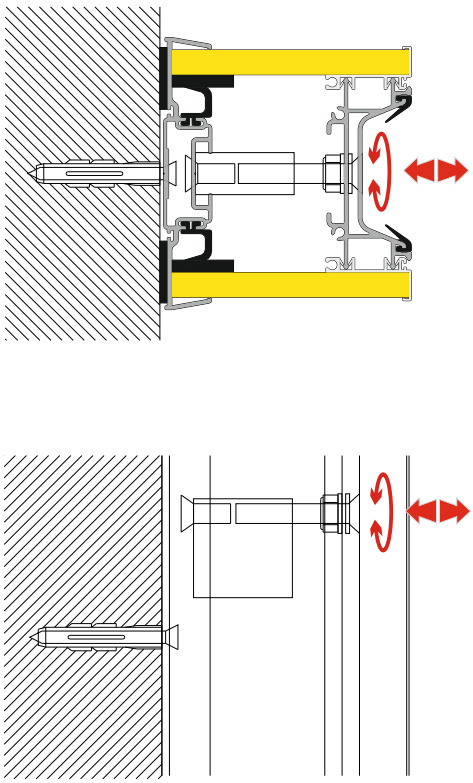


Fig. e

ARRIVAL UPRIGHT (if supplied)

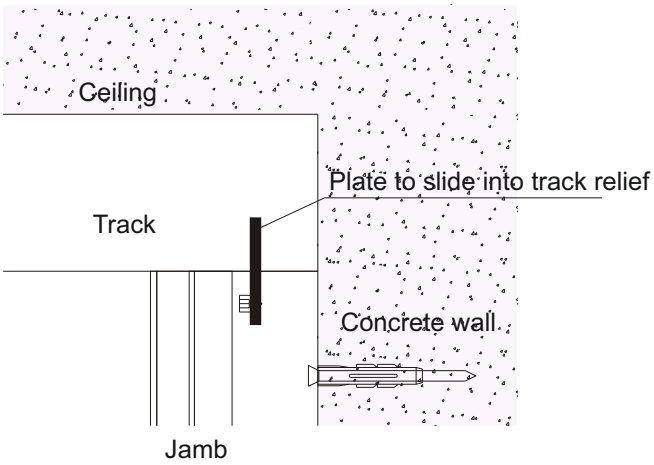
Fix the arrival upright to the wall by plugs: pay attention to the exact alignment of the upright with the wall axis and to the upright perfect plumb in both the wall plain and the perpendicular plane. Plumb errors in the plane perpendicular to the operable wall will be corrected by the telescopic element moving head (which leans against the arrival upright).

Mounting the Vertical Starting and Arrival Uprights

DOMINO

FEMALE STARTING UPRIGHT / STANDARD CLOSING ELEMENT ARRIVAL UPRIGHT

The fixed vertical uprights are usually supplied fully assembled. Detach the vertical regulation profiles group from the wall fixing profile (if necessary, remove the central gasket and hole plugs). Do not remove the screws fixed to wall fixing profile

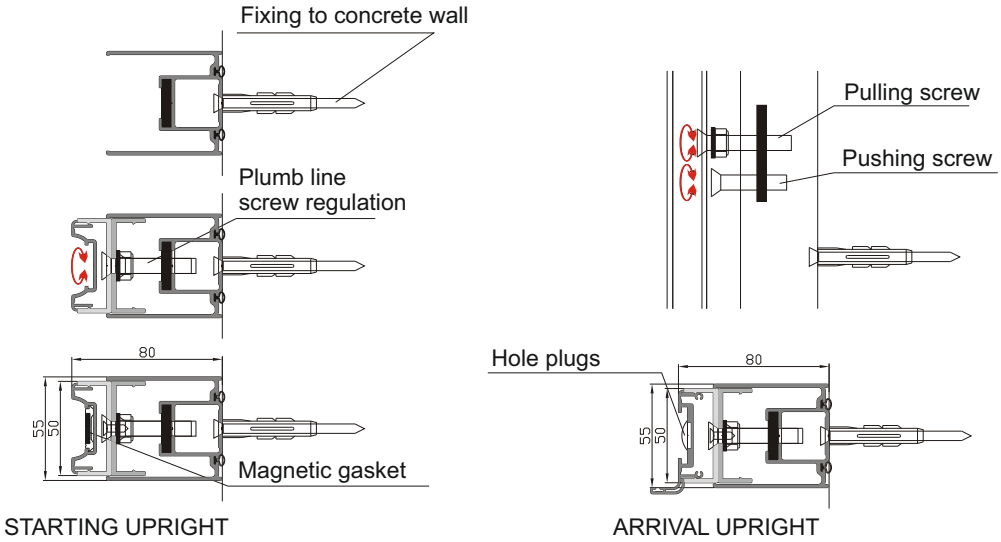


Fix wall fixing profile to concrete wall with blocks, maintaining it **perfectly in axis with the track** (to help this operation, it is possible to use the upper plate of regulation profiles group – sliding it into rail relief).

If necessary, lower the whole rail to match jambs (jambs are always produced with height equal to the total under track height).

If necessary you can cut the jambs (using a saw with metal cutting blade), taking care not to damage metal parts (such as plates, screws, etc.).

Fix the vertical regulation profiles group, then extend the upper plate into the rail relief. If necessary, act on the screws to regulate the upright plumb (each fixing point is made by 2 screws, one pushing and one pulling , set for this purpose).



The uprights are supplied 80 mm wide, ± 10 mm of regulation: **pay attention to maintain the right space between the two jambs, because sliding elements have no width regulation.**

When perfectly in plumb line, insert plug flexible profile (if magnetic version, take care of polarity, evidenced by an heel on profile) or hole plugs.

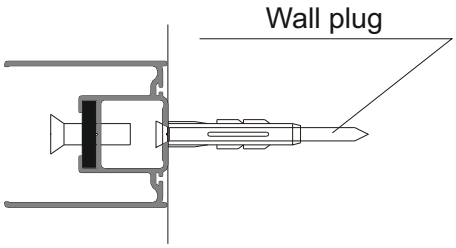
TELESCOPIC ELEMENT ARRIVAL UPRIGHT

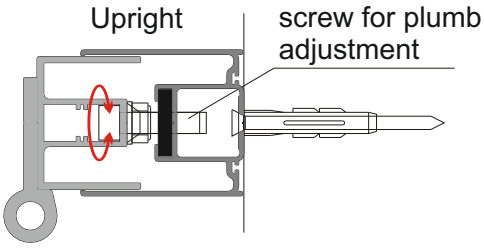
Telescopic element can be supplied with a 30 mm thick aluminium profile, which is the vertical upright. If supplied, fix with glue or expansion plugs to concrete walls.

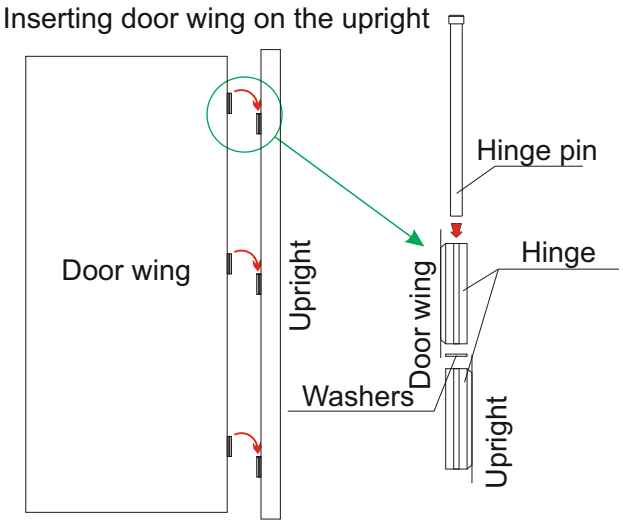
Mounting the Vertical Starting and Arrival Uprights

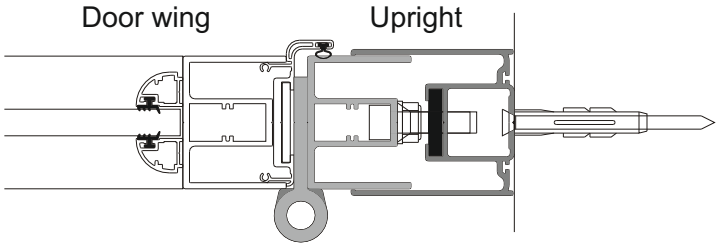
DOOR CLOSURE ELEMENT

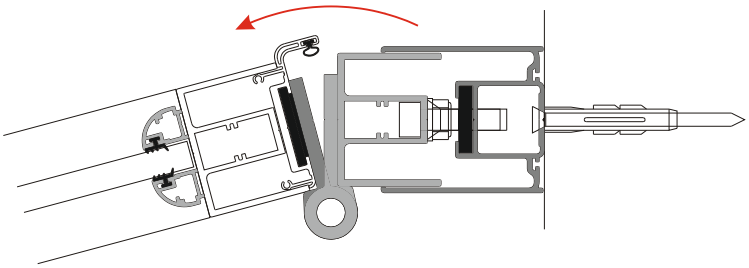
This element (without trolleys), which can be supplied as an alternative to standard closure element or to telescopic element, is made of a wall-mounted upright and a door wing fixed by hinges to the upright.











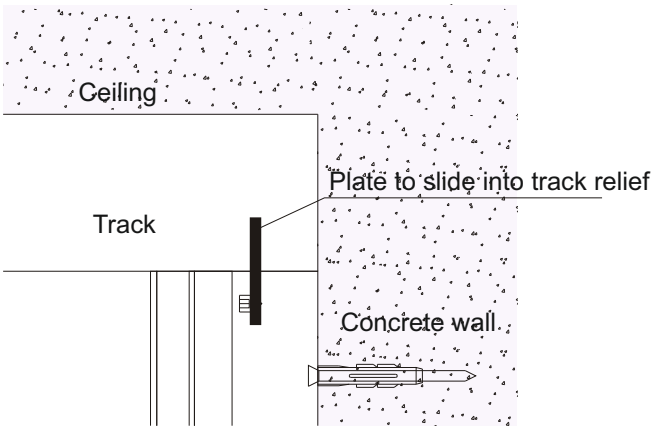
The regulative jamb is made by a vertical regulation profile (with lateral hinges) and by a wall fixing profile.
As per vertical fixed jamb, fix the wall fixing profile to concrete wall with blocks, maintaining it **perfectly in axis with the track** (to help this operation, it is possible to use the plug set in the upper part of regulation profile, inserting it into the track relief). Fix the vertical regulation profile, then act on screws, if necessary, to set it to plumb line.Then fix the door to the jamb leaning door hinges on jamb hinges and locking with hinges pin (insert one or more washers between hinges).

Mounting the Vertical Starting and Arrival Uprights

DOMINO DUO

FEMALE STARTING UPRIGHT

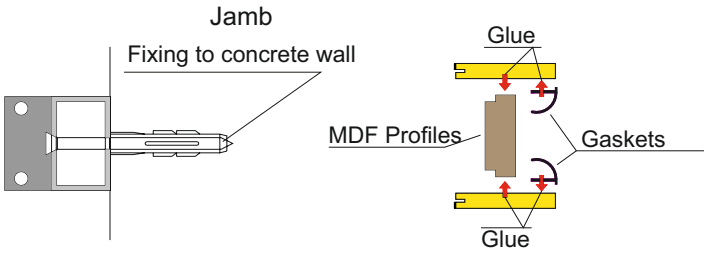
The fixed vertical uprights are usually supplied fully assembled. Detach the vertical regulation profiles group from the wall fixing profile (if necessary, remove the central gasket). Do not remove the screws fixed to wall fixing profile (acting as spacers between two profile groups).

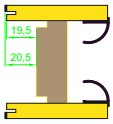


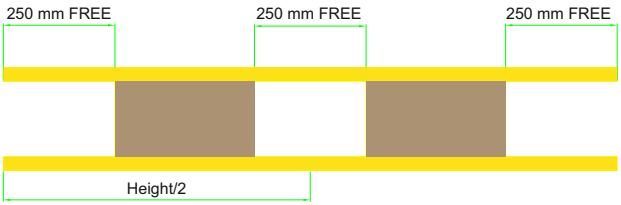
Fix wall fixing profile to concrete wall with blocks, maintaining it **perfectly in axis with the track** (to help this operation, it is possible to use the upper plate of regulation profiles group – sliding it into rail relief).

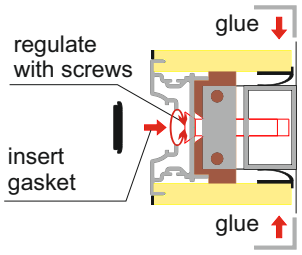
If necessary, lower the whole rail to match jambs (jambs are always produced with height equal to the total under track height).

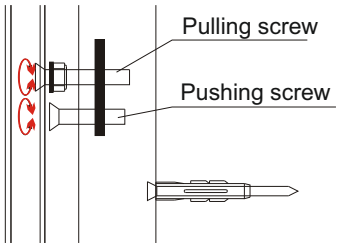
If necessary you can cut the jambs (using a saw with metal cutting blade), taking care not to damage metal parts (such as plates, screws, etc.).











1. Fix the vertical regulation profiles group, then extend the upper plate into the rail relief.

2.Glue on finishing panels the MDF blocks as on figure, letting free the signed zones (250 mm min. dimension) for the regulating groups. Glue the PVC gaskets on internal part of panels as on figure.

3. Link the finishing panels to female profile matching the profile wings with the millings set on edge of panels.

4. If necessary, act on the screws to regulate the upright plumb (each fixing point is made by 2 screws, one pushing and one pulling , set for this purpose).

5. Glue the “L” finishing profiles to panels as on figure.

Mounting the Vertical Starting and Arrival Uprights

The uprights are supplied 80 mm wide, ± 10 mm of regulation: **pay attention to maintain the right space between the two jambs, because sliding elements have no width regulation.**

When perfectly in plumb line, insert plug flexible profile (if magnetic version, take care of polarity, evidenced by an heel on profile) or hole plugs.

TELESCOPIC ELEMENT ARRIVAL UPRIGHT

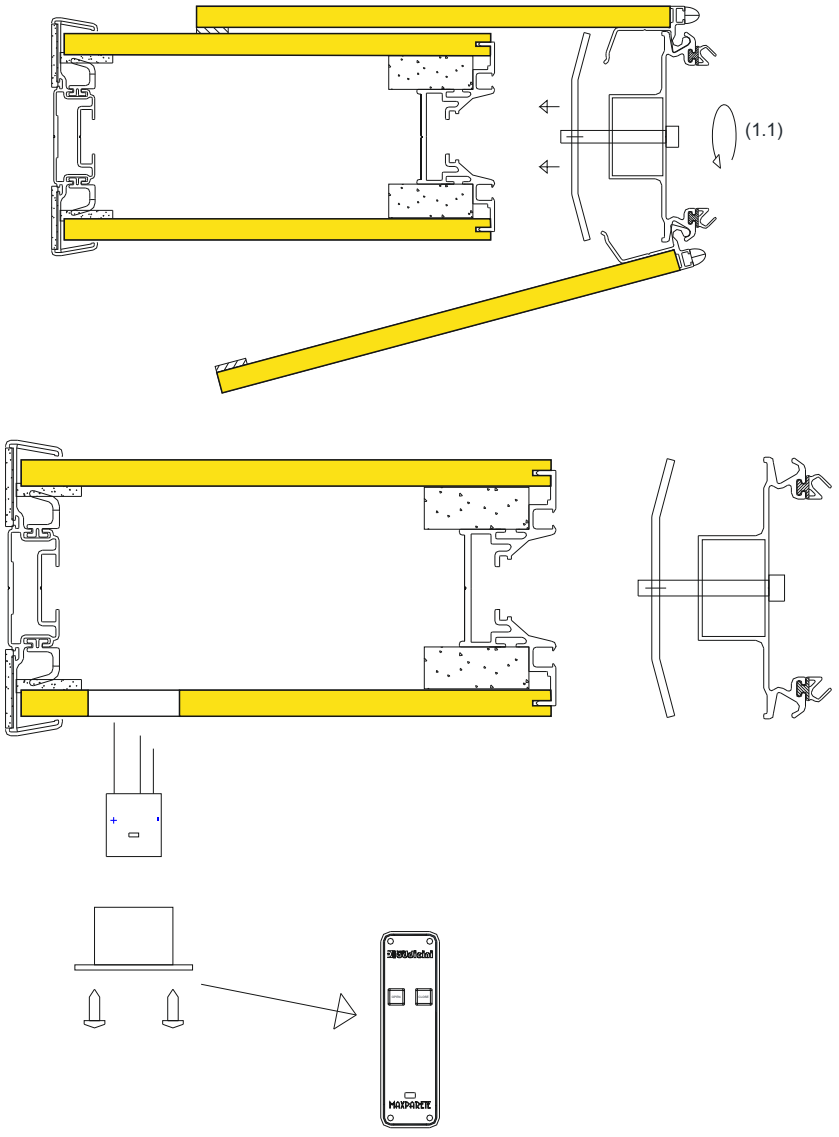
Telescopic element can be supplied with a 20 mm thick wood list, which is the vertical upright. If supplied, fix with glue or expansion plugs to concrete walls.

Mounting the Vertical Starting and Arrival Uprights

TELESCOPIC UPRIGHT E-MOTION AND HSP

1) Unscrew (not remove) the screws (1.1) on vertical proifle. Remove mobile head panels, acting on retaining plates, rotating and extracting the panels.

2) Remove the Commander to avoid any damages on it.



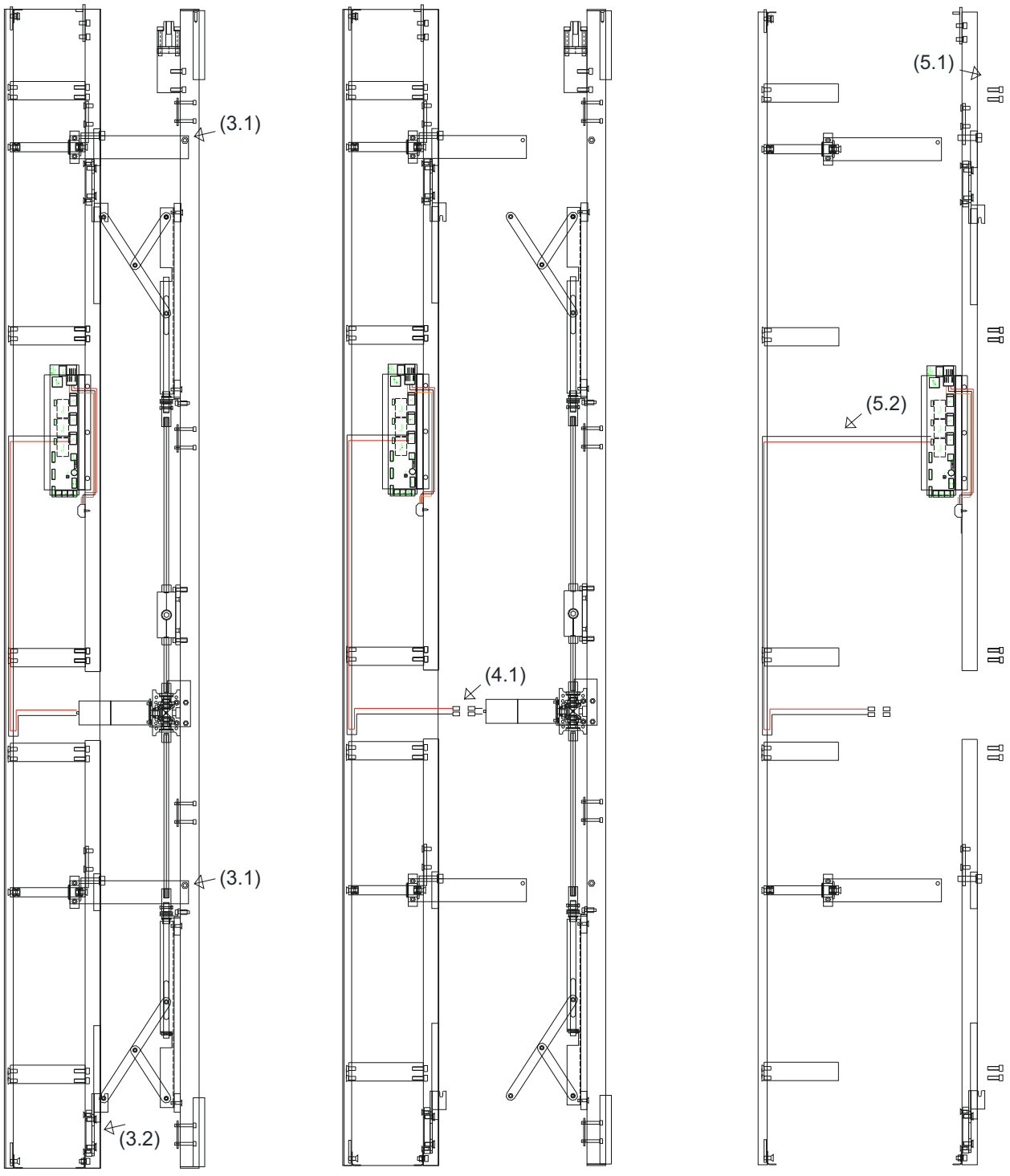
Manually extend fully the telescopic head.

Mounting the Vertical Starting and Arrival Uprights

3) Remove bolts (3.1), unscrew (NOT remove) the screws (3.2)

4) Remove the whole mobile head; unconnect the motor (4.1)

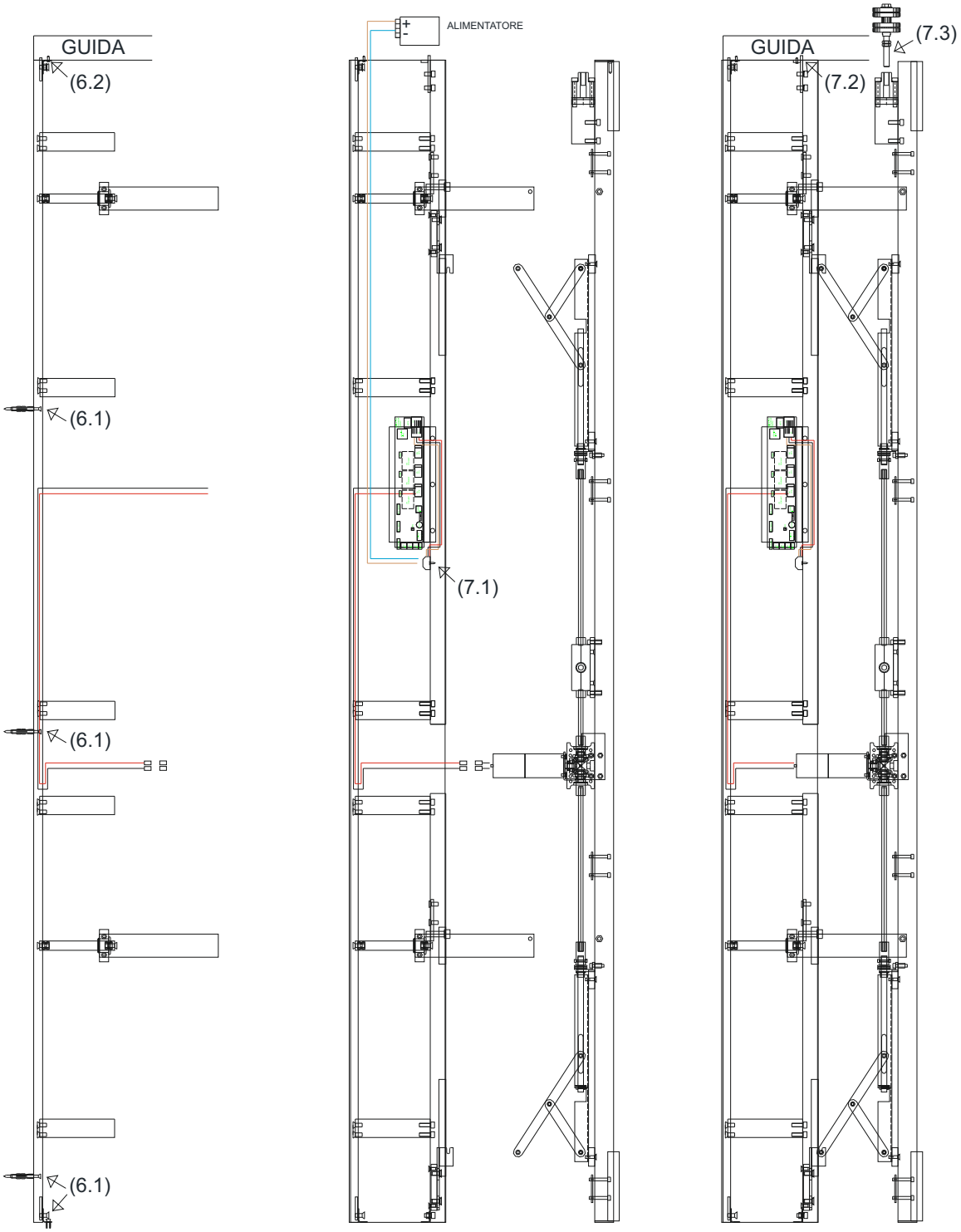
5) Remove screws (5.1); remove the aluminium profiles; HAVE CARE TO NOT DAMAGE THE CABLES (5.2); remove the panels



Mounting the Vertical Starting and Arrival Uprights

6) Fix to building wall with dowels (6.1); fix upper part to rail track with screws (6.2)

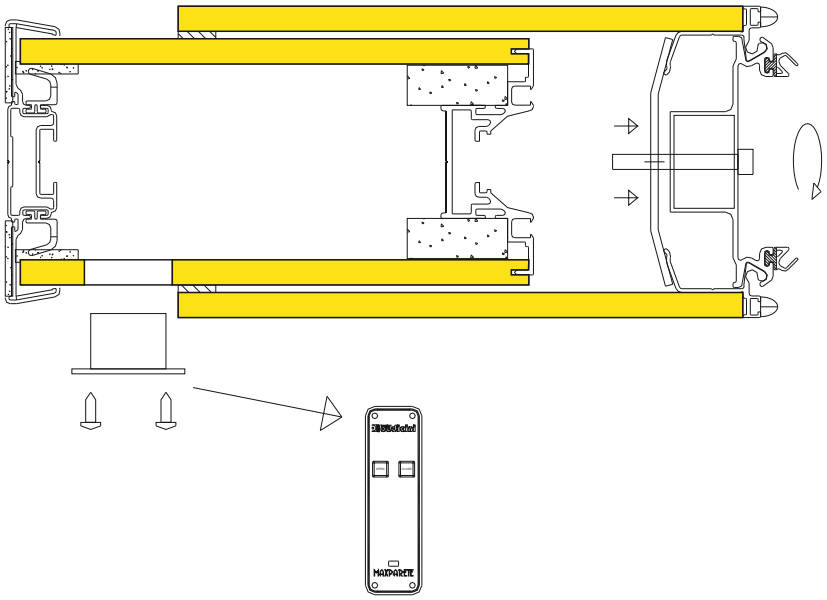
7) Connect to power supply, cable BROWN + , cable BLUE - ; connect to clamp (7.1), BROWN-BROWN and BLUE-BLUE ; re-assemble, fix to rail (7.2), insert the whole mobile head with trolley (7.3) and fix

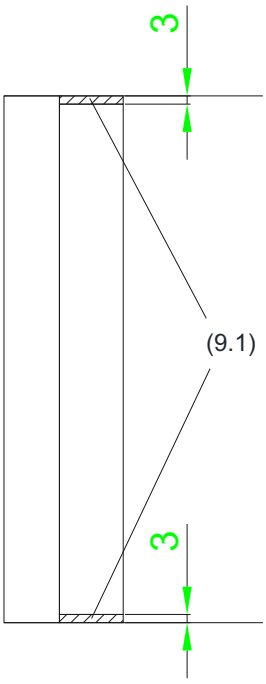


Mounting the Vertical Starting and Arrival Uprights

8) Connect and fix the Commander, fix mobile head's panels, screw retaining bolts

9) Adjust mobile head height acting on trolley: the gaps between panel and flooring / upper track must be about 3 mm; fill the gaps with gaskets (9.1)





Preparing the Elements with Separated Panels

MAXPARETE HSP

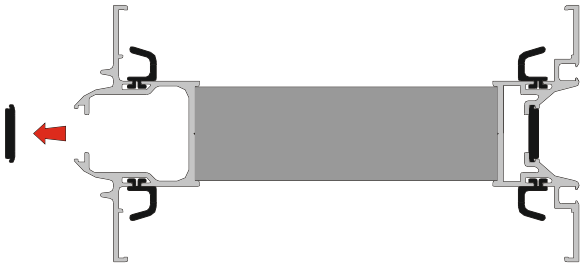
SEPARATED FINISHING PANELS (TO BE ASSEMBLED ON SITE)

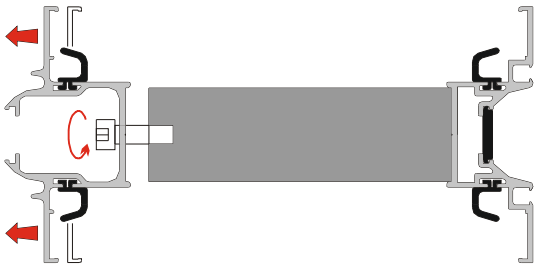
If separated finishing panels for on site assembly (ONLY 18 mm total thickness) are supplied, those should be prepared as follows.
Place the hooks and the supplied fixing shaped plates on the internal side of the panels, using either the predefined holes or the supplied drilling template (see the Appendix).

STANDARD ELEMENTS

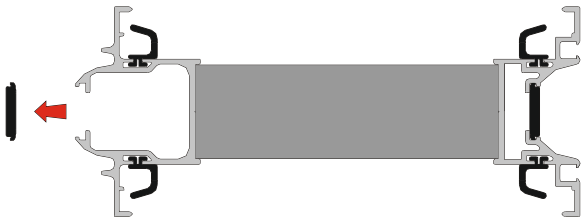
Partially unscrew (avoid fully unscrewing) the male profiles (for male-male profile elements the profiles to unscrew are the ones without the hexagonal command socket).

VISIBLE PROFILES





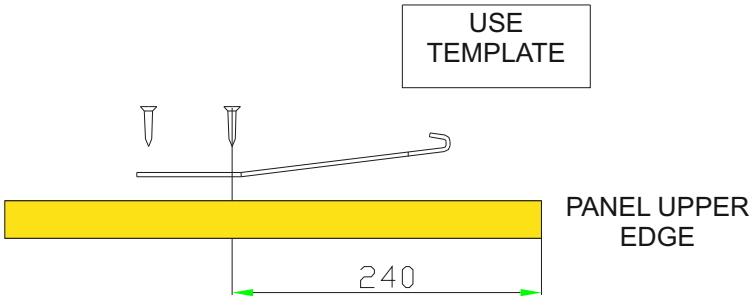
HIDDEN PROFILES

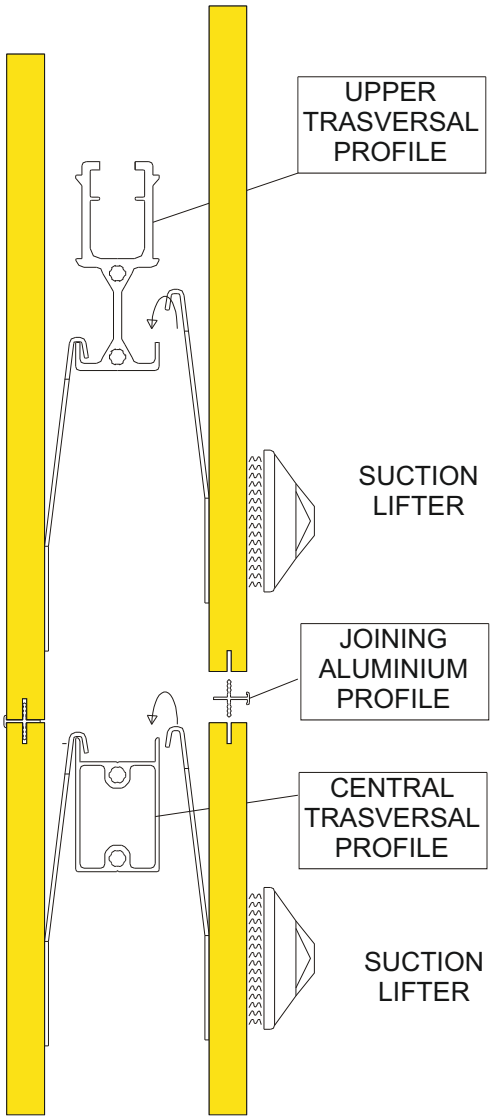


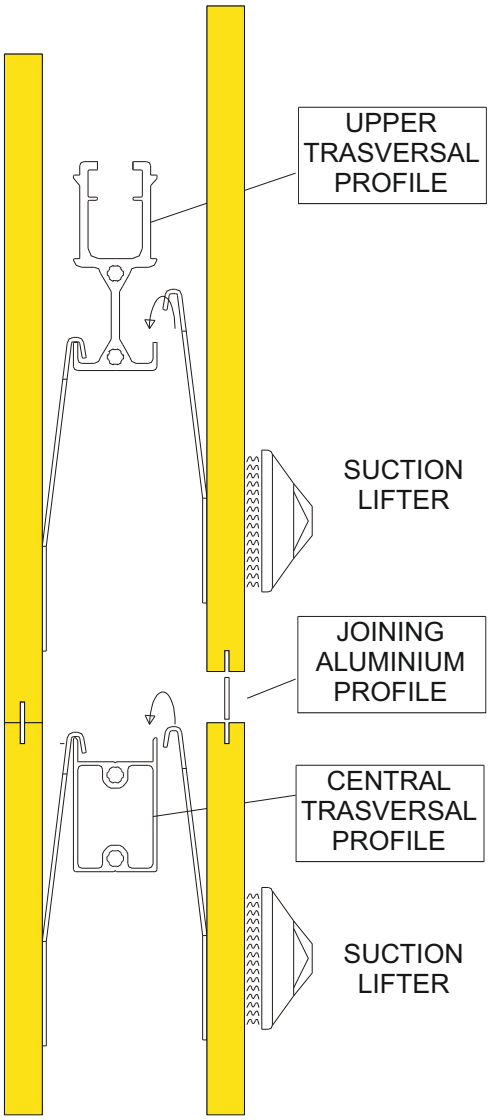
Assemble the finishing panels by coupling the fixing shaped plates on the panel with the trasversal profiles of the shaft. If the element has more than one panel per side, start from the lower one. Remeber to insert the joint aluminium profiles (if supplied).

For MAXPARETE HSP MATIC, please take care in order to avoid damaging the cables with panel edges.

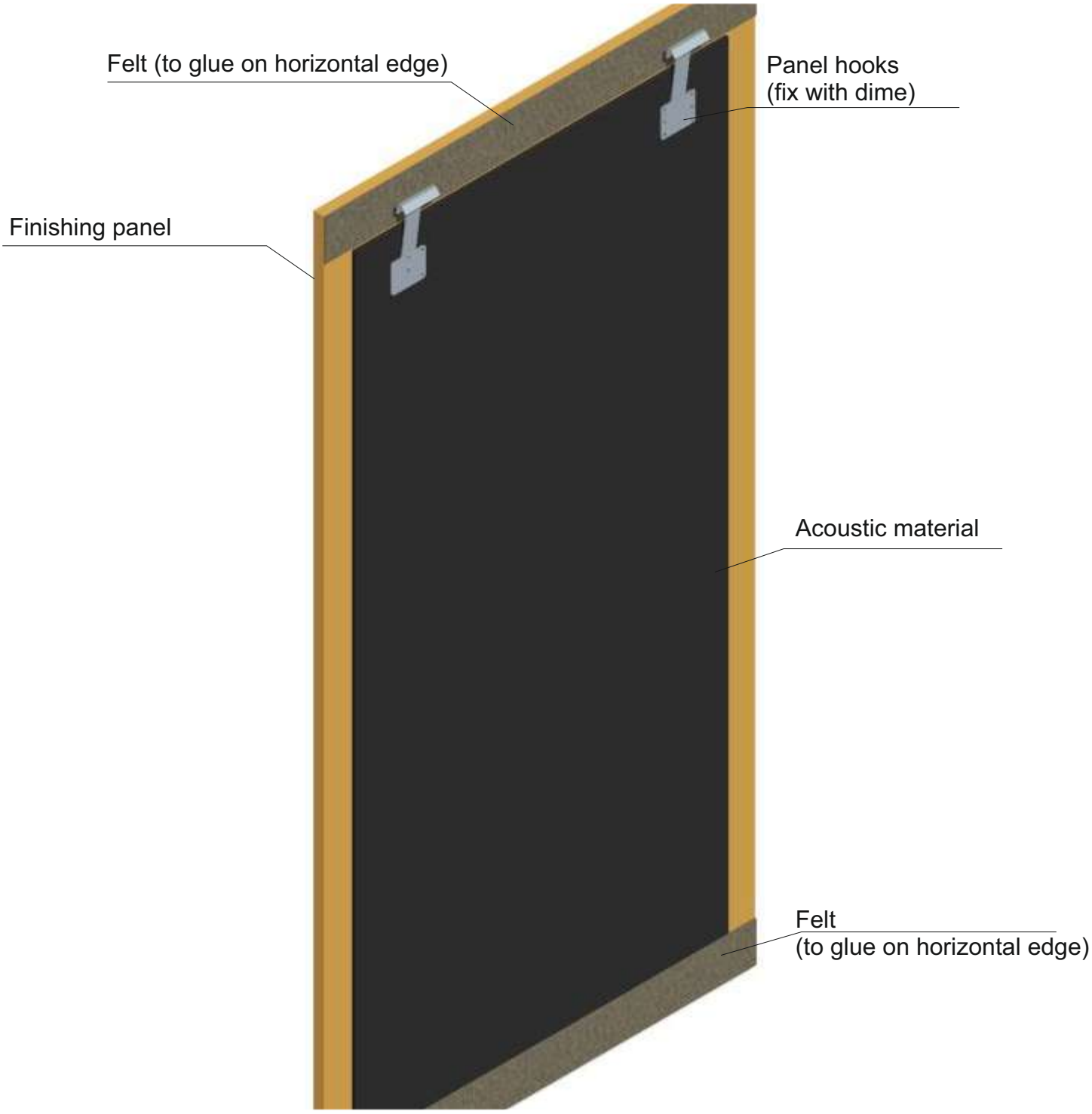
Preparing the Elements with Separated Panels





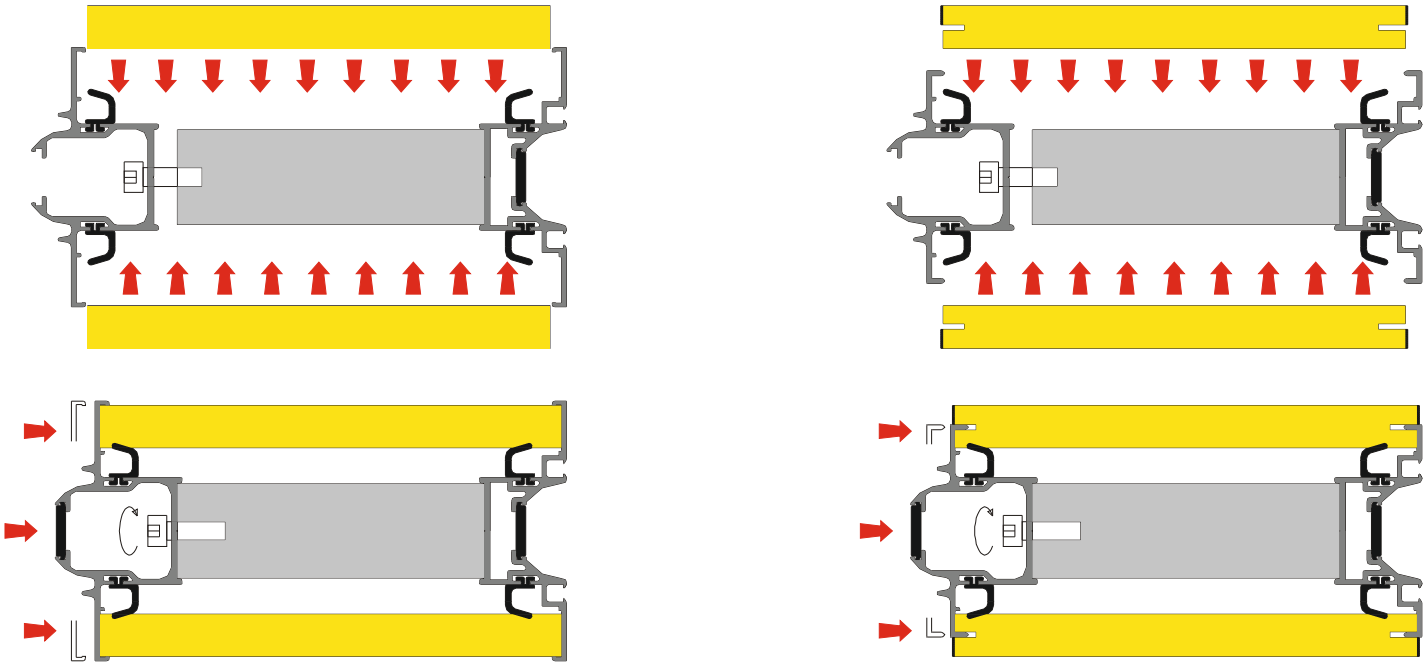


Preparing the Elements with Separated Panels



Preparing the Elements with Separated Panels

Screw the previously unscrewd profiles (for hidden profiles please couple the profile tongue with the panel edge slot).

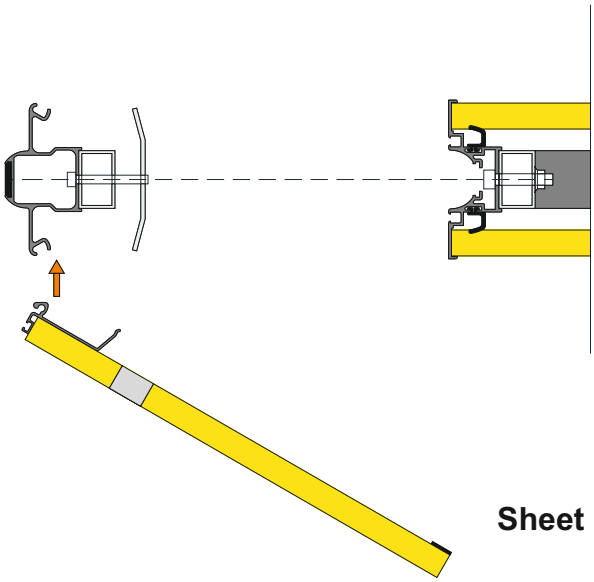


TELESCOPIC ELEMENT

The panels should be assembled as seen for the standard element, except for the moving shoulder finishing panels. Pay attention as the moving shoulder finishing panels are different and not symmetrical (because on the clutch side panel there is the clutch hole).

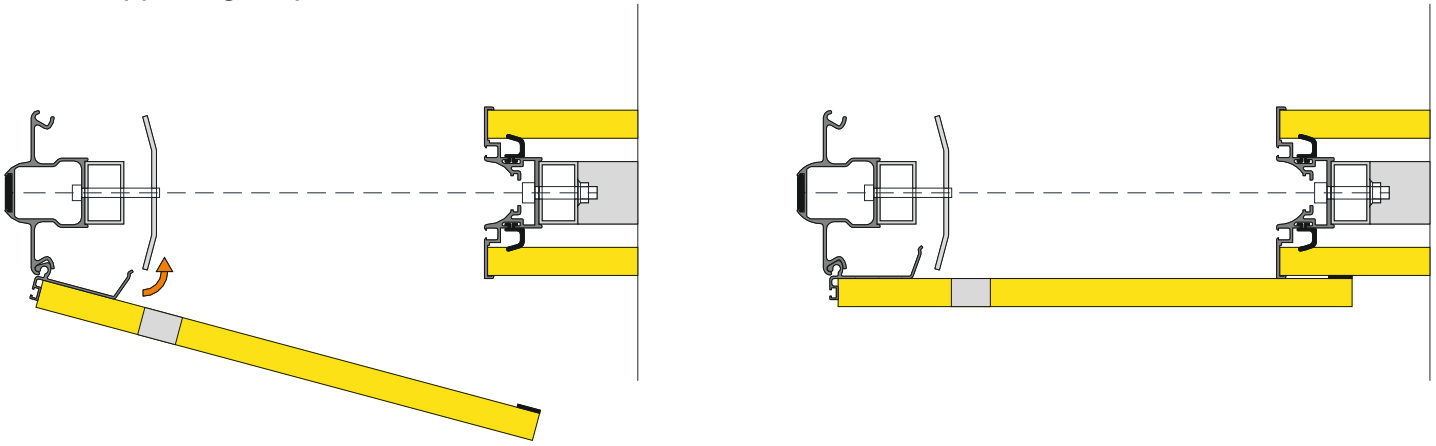
To assemble the moving shoulder panels proceed as follows:

1. Insert the aluminium profile pre-mounted on the moving shoulder panels into the socket on the male profile of the moving shoulder, as depicted. Note that the panel will be hold in the vertical direction by the screw placed on top of the pre-mounted aluminium profile.

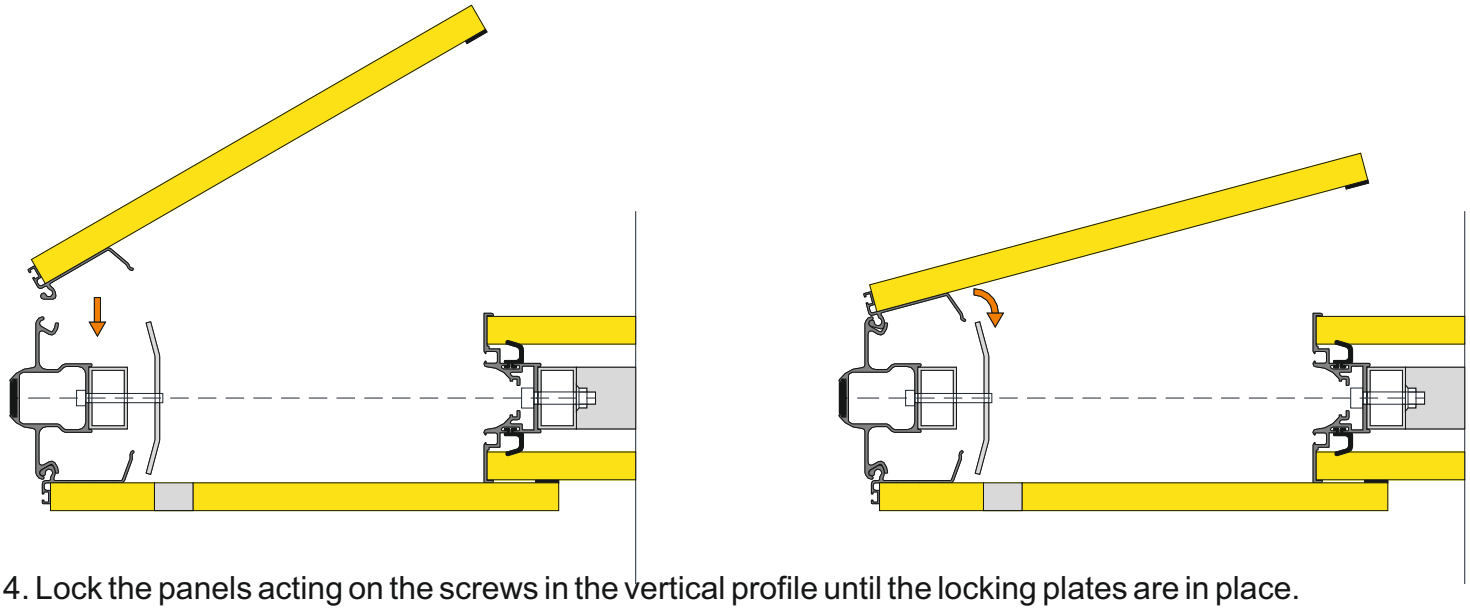


Preparing the Elements with Separated Panels

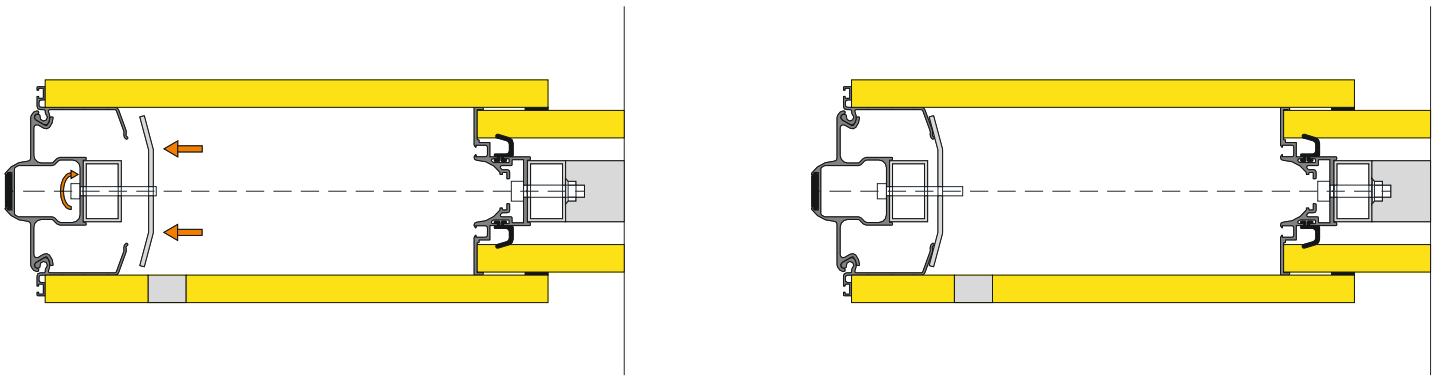
2. Rotate the moving shoulder finishing panel and put it in place, then check that the screw set on upper part of profile is supporting the panel



3. Repeat the operations above for the panel opposite to the command side

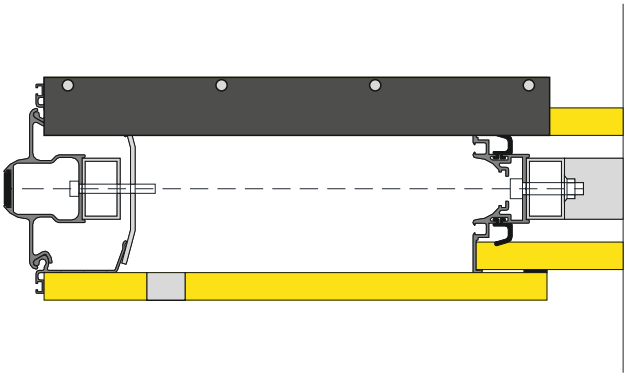


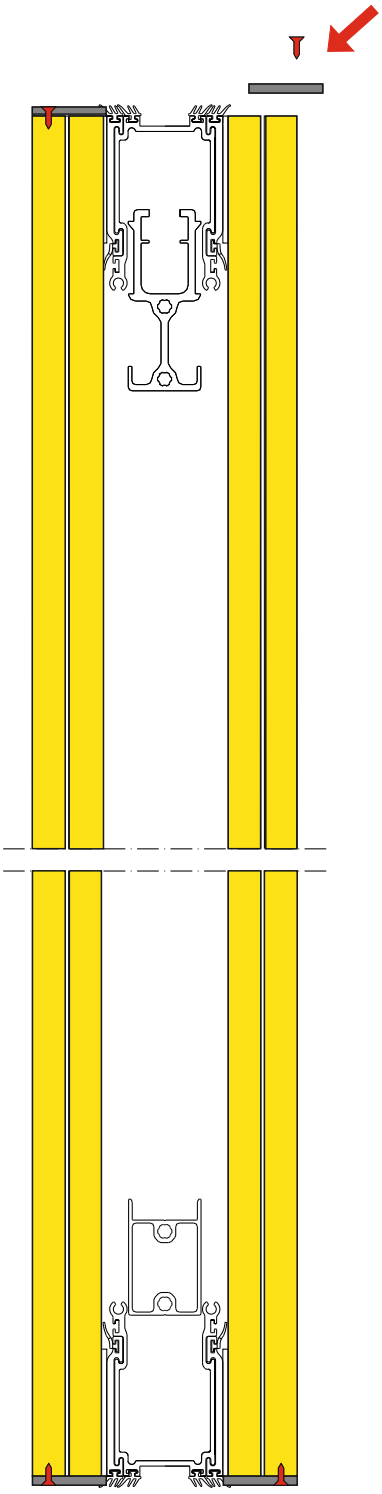
4. Lock the panels acting on the screws in the vertical profile until the locking plates are in place.



Preparing the Elements with Separated Panels

Fix the rubber plugs on the upper and lower edges of the moving head panels; fasten to the wooden panel with 3x12 mm wood screws.

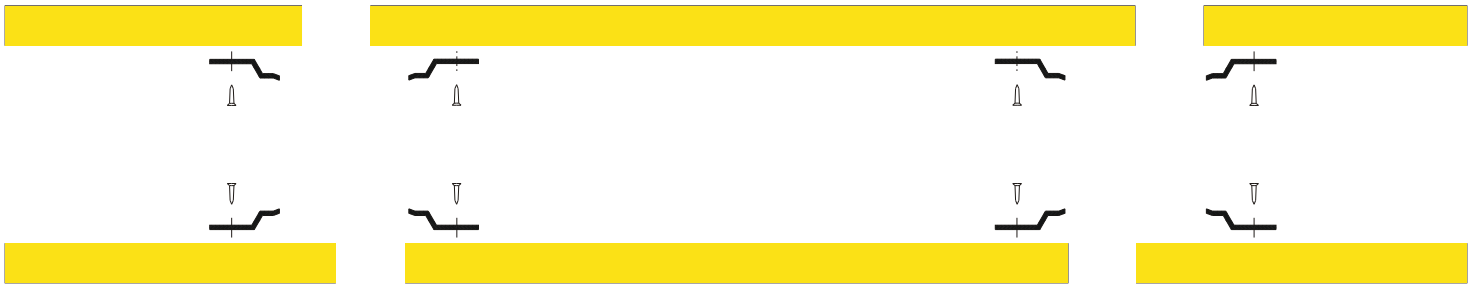




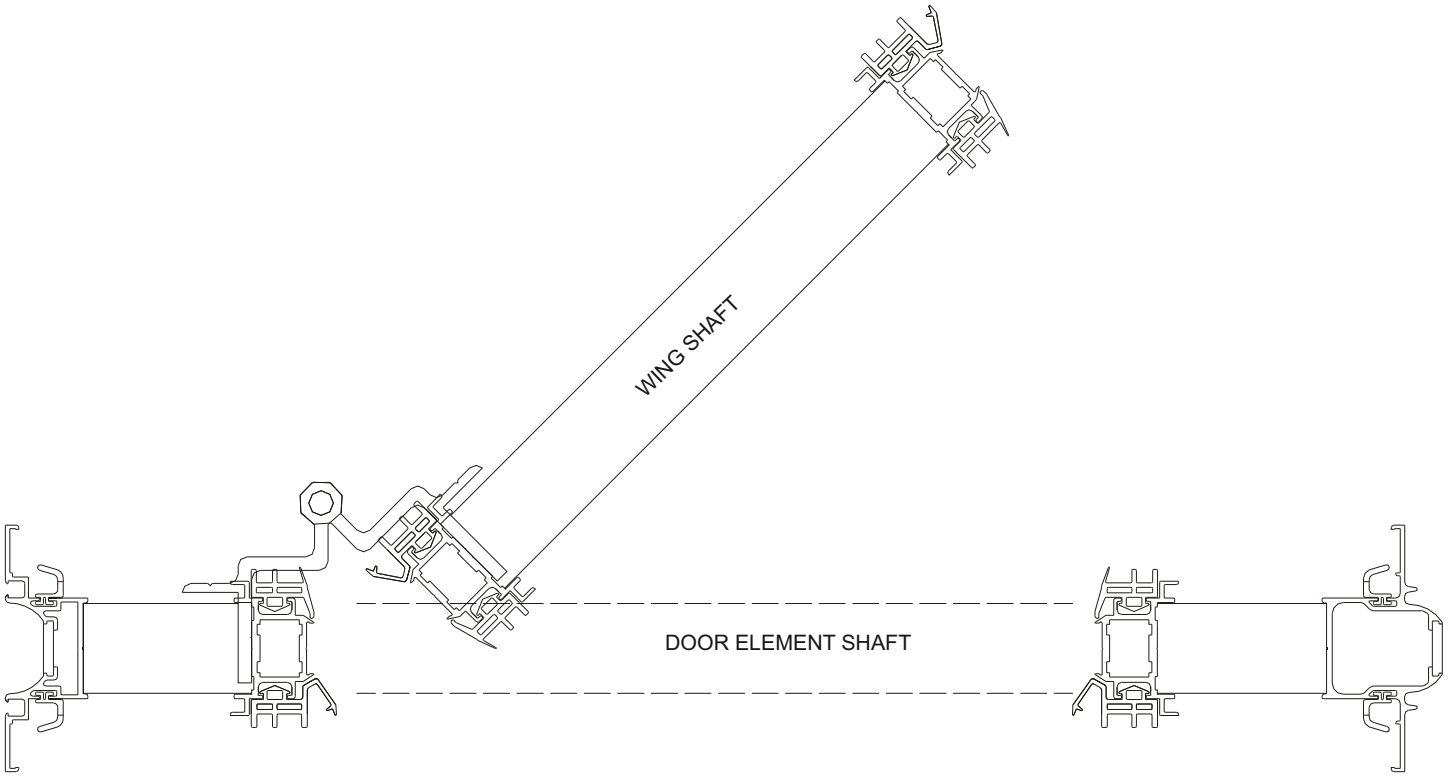
Preparing the Elements with Separated Panels

SINGLE AND DOUBLE PASS DOOR

-Place on the panels all the mounting brackets with particular attention to the “Z” hooks.

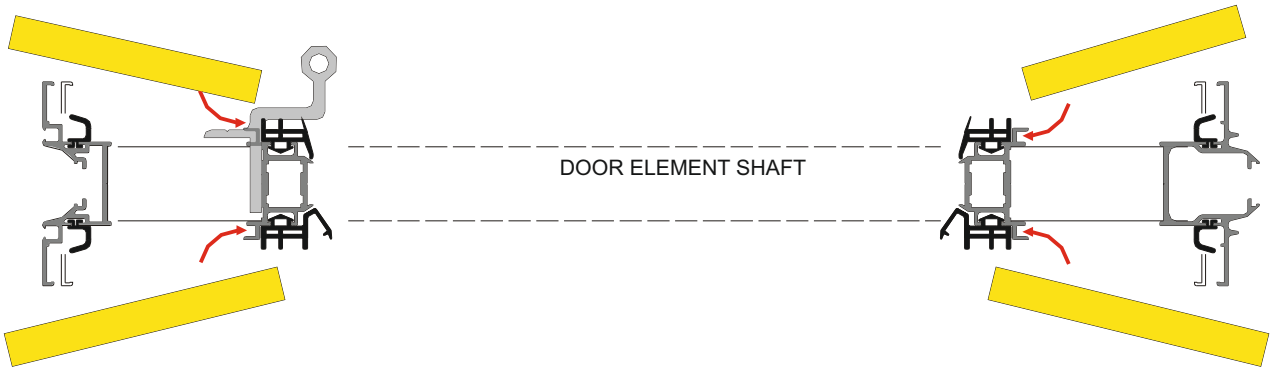


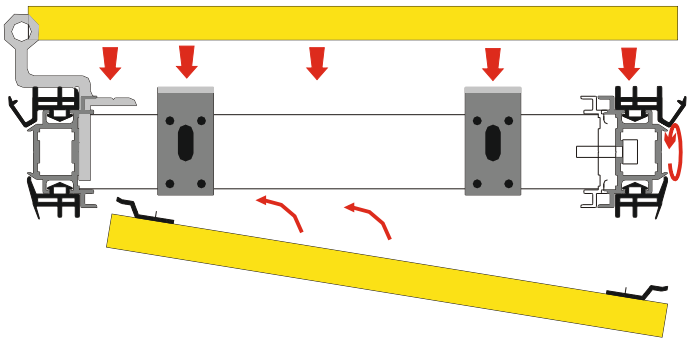
-Remove the wing shaft from the door element shaft (rotate and lift from hinges)

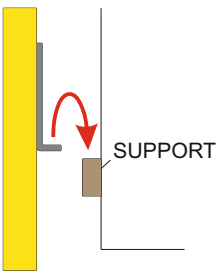


Preparing the Elements with Separated Panels

-Unscrew (DO NOT fully unscrew) the male and female lateral profiles; insert the lateral leg finishing panels into the profiles; appoggiare lean the panels on the eccentric nylon brackets
-Unscrew (DO NOT fully unscrew) the rabbet profile on the wing profile; hook and lock the wing finishing panels on the hinge side with the mounting brackets; then hook the finishing panels on the other side (opposite to the hinges): the lower brackets should lean on the trasversal profiles; finally screw and lock the rabbet profile.

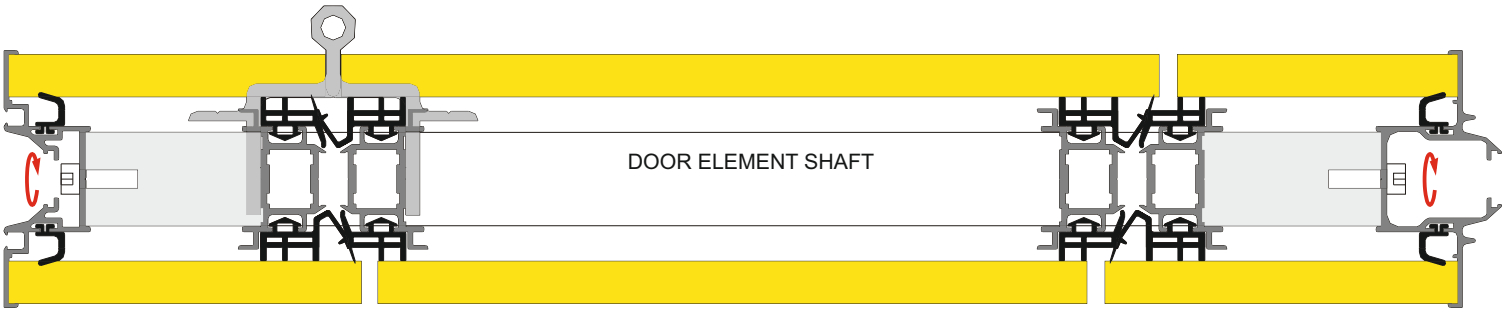


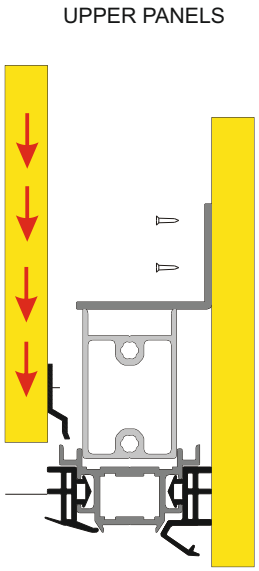




Preparing the Elements with Separated Panels

-Place the upper element finishing panels: join the “Z” brackets with the horizontal rabbet profile on the hinge side and the mounting brackets on the other side (opposite to the hinges)





-Screw and lock the vertical male and female lateral profiles

MAXPARETE HSP PYRO - MAXPARETE HSP PYRO MNP

SEPARATED FINISHING PANELS

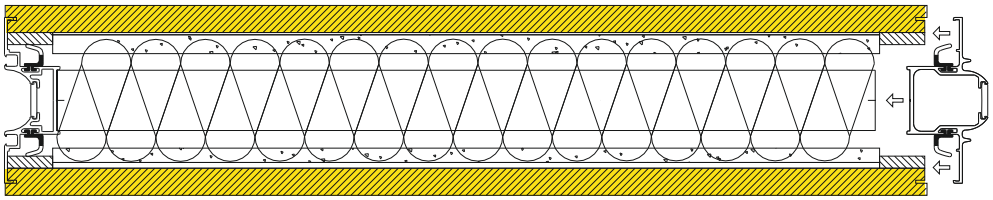
Assemble as previously explained, considering the following additional directions:
-**IMPORTANT**: **mount all the brackets using the screws plus the supplied polyurethanic glue**
-**IMPORTANT**: **glue the intumescent strip gaskets to the panel edges facing the guide and the floor using cyanoacrilate glue** (note that the strip gaskets are self adhesive but it is mandatory to use additional cyanoacrilate glue)

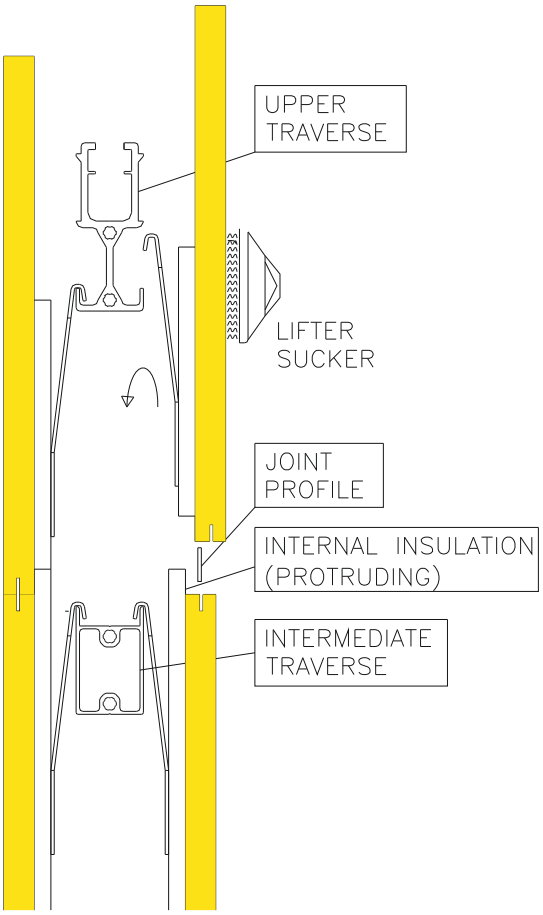
Preparing the Elements with Separated Panels

MAXPARETE HSP 57 dB

SEPARATED COVERING PANELS

Proceed as for Maxparete HSP but in addition to the above mentioned:
- The panels have vertical milling where they have to couple the profiles
- Be careful not to damage the inner insulators during assembly: if they are multi-panel walls, they normally protrude from the edges of the panels, so as to create overlapping layers
- CAUTION the panels have different composition on the two sides: assemble the elements so that they all have the same composition on each face



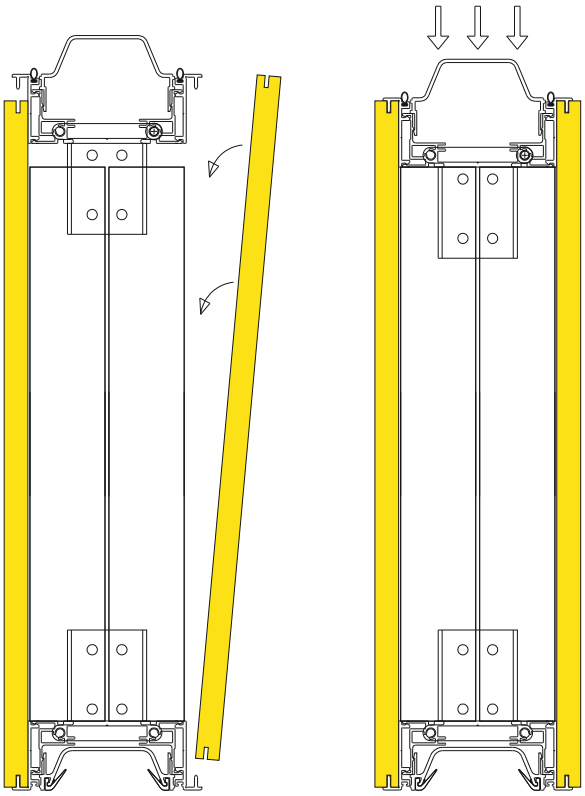


Preparing the Elements with Separated Panels

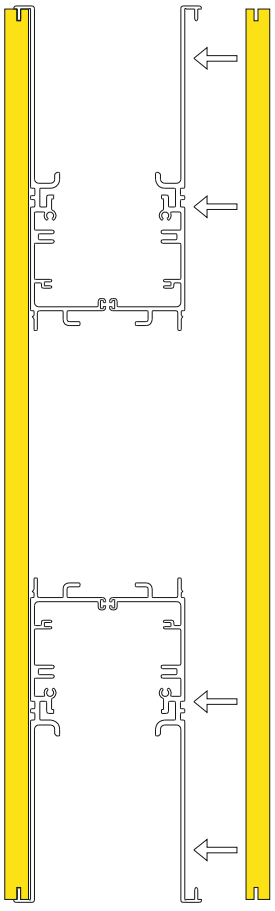
MAXPARETE E-MOTION

STANDARD AND TELESCOPIC ELEMENT WITH SEPARATED PANELS (TO BE ASSEMBLED ON THE BUILDING SITE)

1. Remove the rubber seal blocks and plastic plates from all ends of the profiles
2. On the end of the male profiles, unscrew the fixing plates with the crossbars and extract the profile a few millimeters
3. Insert the panel, making sure to match the panel milling to the wings of the horizontal and vertical profiles
4. Close the male profile, reassemble the parts removed in point 1



HORIZONTAL CROSS SECTION



VERTICAL CROSS SECTION

Preparing the Elements with Separated Panels

TELESCOPIC ELEMENT WITH SEPARATED MOVING HEAD FINISHING PANELS (TO BE ASSEMBLED ON THE BUILDING SITE)

1. Start from the manual emergency command side finishing panel (i.e. the one with the hole for the manual emergency command).
2. Couple the finishing panel aluminium profile with the moving head aluminium profile (Fig. a). Note that the panel will be hold in vertical direction by the screw placed on top of it.
3. Connect the safety gasket cables as described in section 9, then rotate the panel in place (Fig. b)
4. Check that the mounting brackets lie on the plates fixed to the vertical profile of the moving head as per sheet 5.12 (Fig. c).

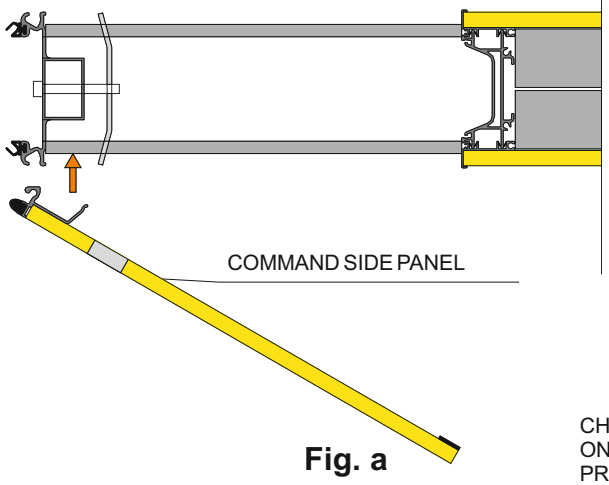


Fig. a

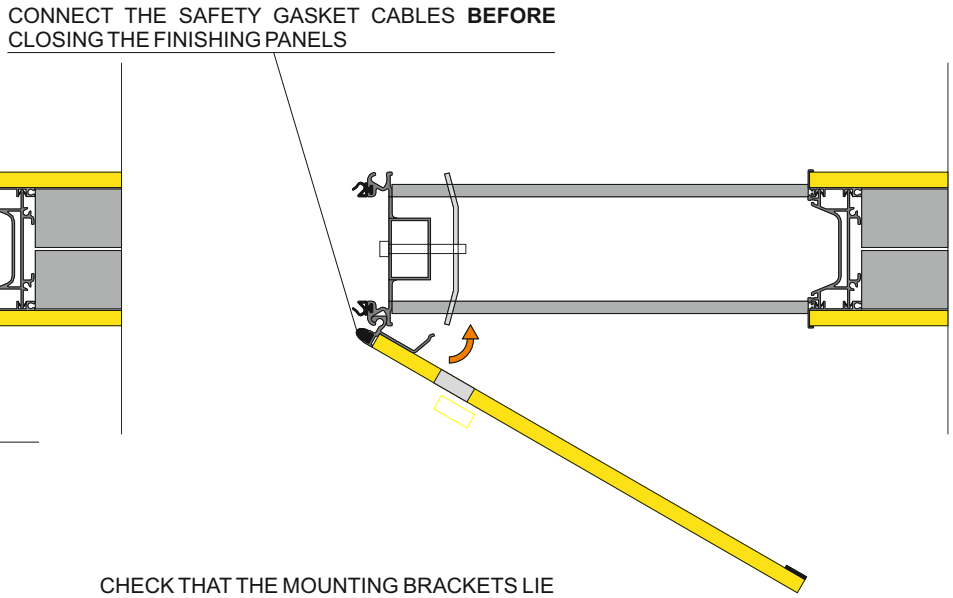


Fig. b

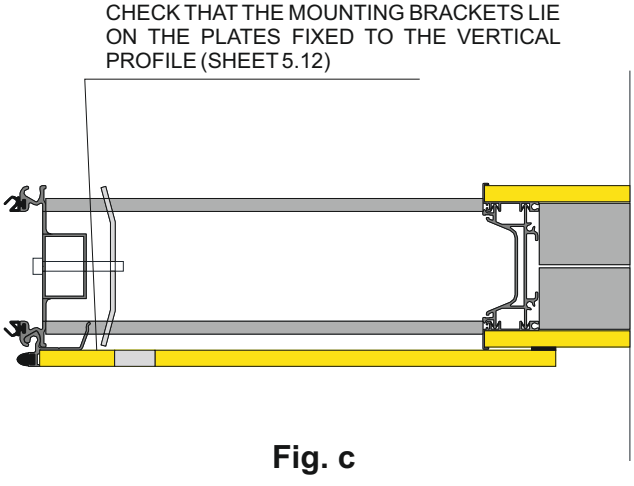


Fig. c

Preparing the Elements with Separated Panels

5. Go on with the remaining finishing panel (i.e. the one without the hole for the manual emergency command) and couple the finishing panel aluminium profile with the moving head aluminium profile (Fig. d).
6. Connect the safety gasket cables as described in section 9, then rotate the panel in place (Fig. e).
7. Check that the mounting brackets lie on the plates fixed to the vertical profile as depicted in sheet 5.12
8. Lock the panels in the final position acting on the symmetrical plate locking screws (Fig. f; Fig. g).

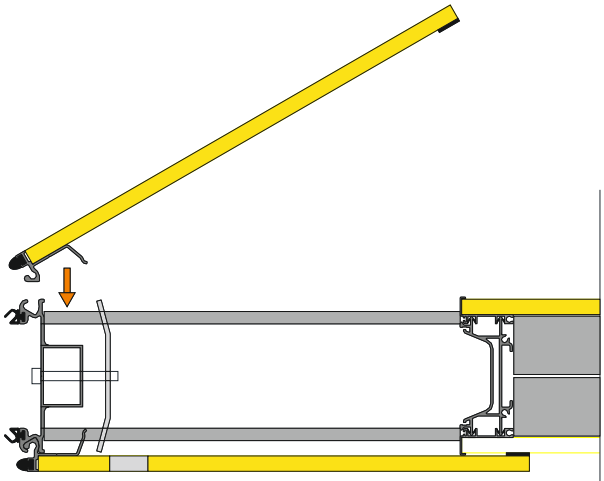


Fig. d

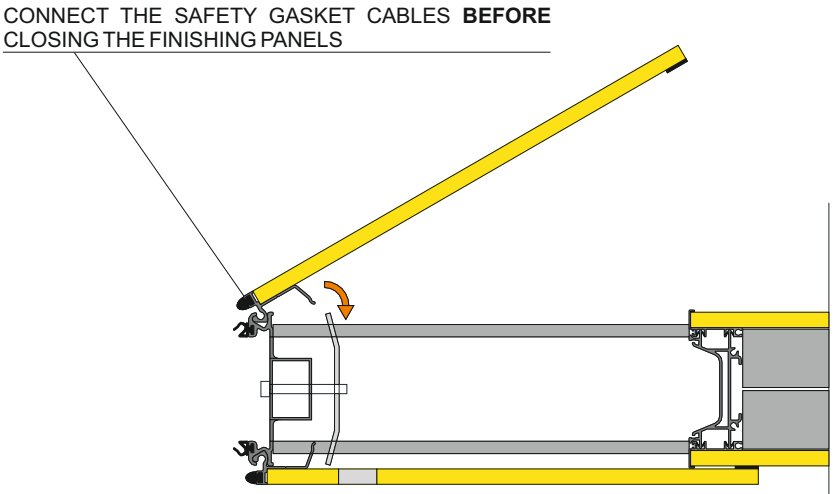


Fig. e

Fig. f

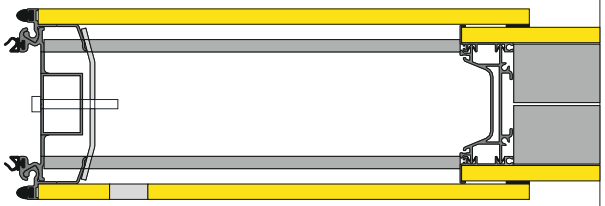
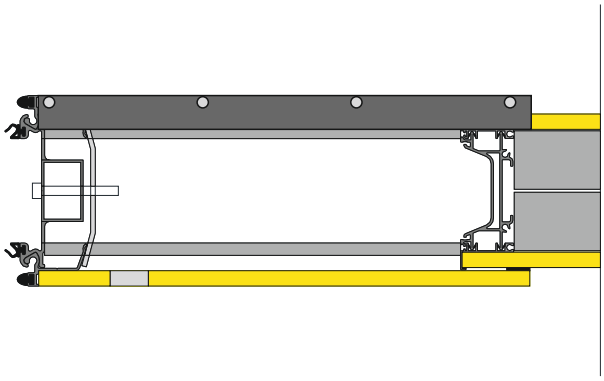
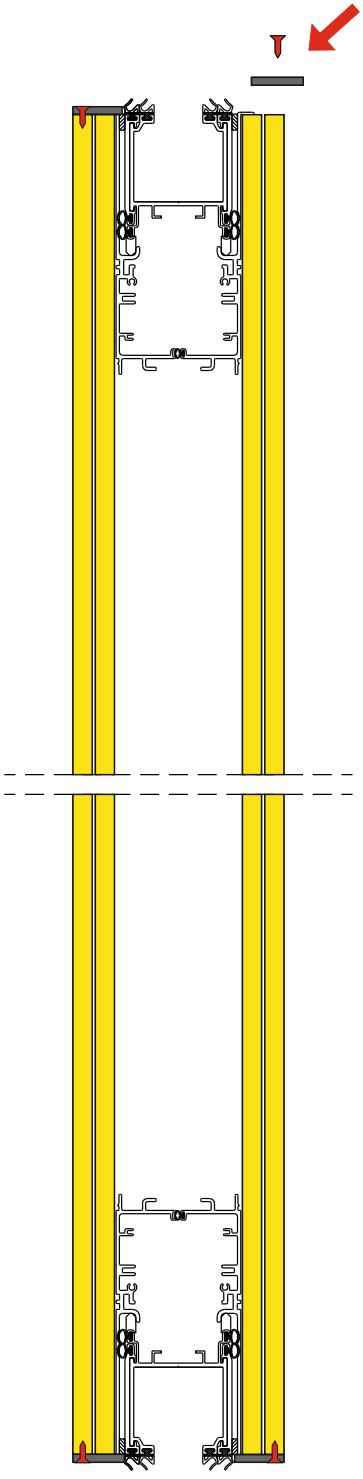


Fig. g

Preparing the Elements with Separated Panels

Fix the rubber plugs on the upper and lower edges of the moving head panels; fasten to the wooden panel with 3x12 mm wood screws.





Preparing the Elements with Separated Panels

GLASS STANDARD ELEMENT WITH SEPARATED GLASSES

GLASS PREPARATION

1) If necessary, use acetone to remove paint particles on the inside of the glass

2) VERY CAREFULLY clean the glass on the inside with alcoholic detergent (i.e. XAN) to eliminate moisture and residual grease

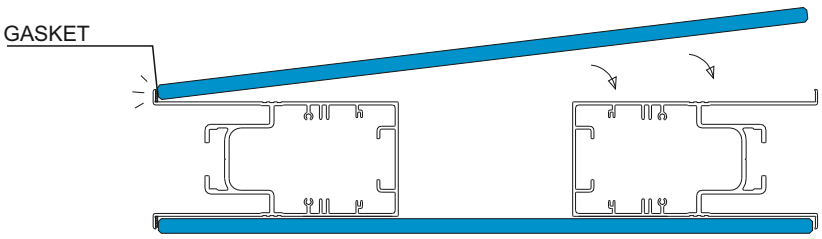
3) If desired, add Primer "3m VHB SYLANE PRIMER" (15% adhesion increase) - drying time approx. 10 minutes

GLASS FIXATION ON ELEMENTS

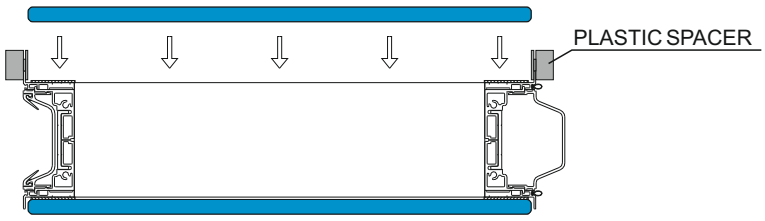
1) Position the nylon spacers in appropriate steps on the vertical profiles

2) Position the glass resting it starting from one of the 2 lower edges, resting on the gasket of the lower traverse wing and on the spacers

3) Allow the adhesive to act before packing, AT LEAST 1 hour (50% of the seal)



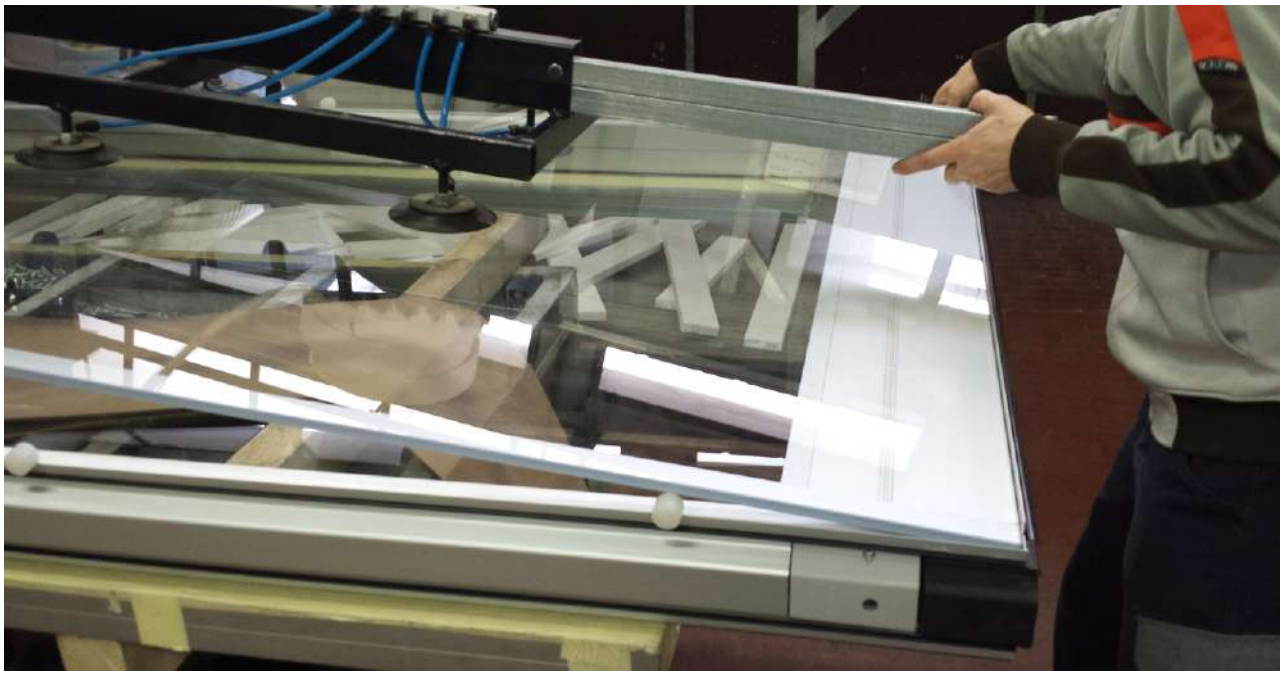
VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION

Preparing the Elements with Separated Panels

GLASS STANDARD ELEMENT WITH SEPARATED GLASSES



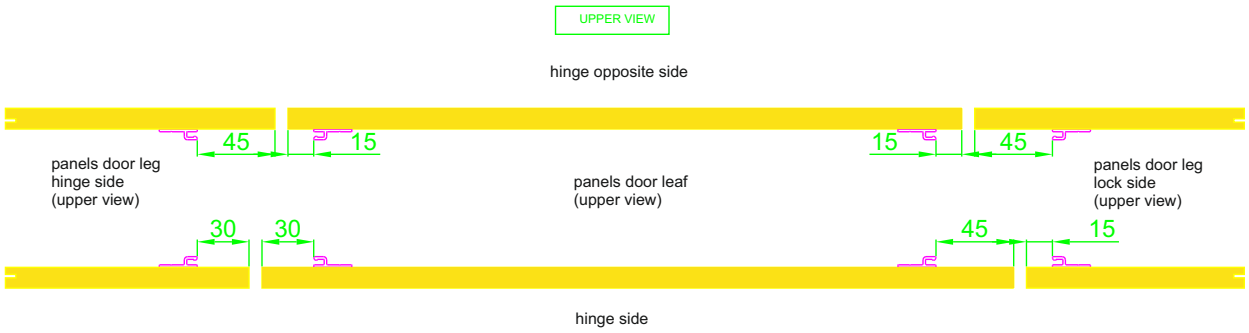
PHASE 1: GLASS LEANING ON LOWER TRAVERSE WING

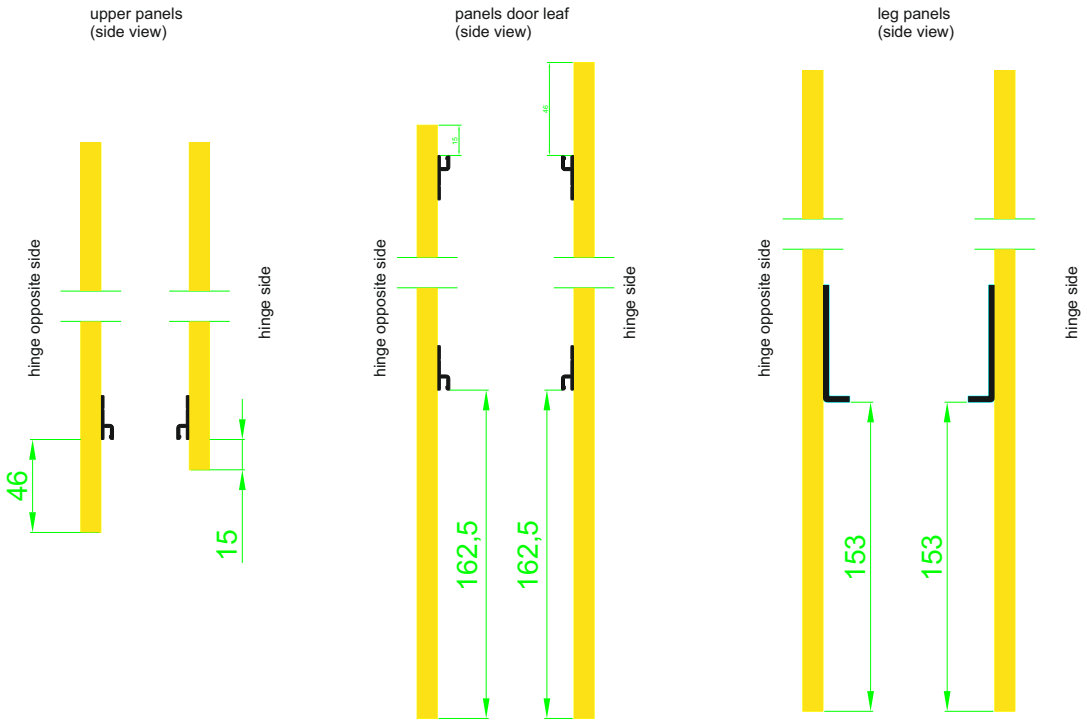
PHASE 2: GLASS FIXATION GUIDED BY SPACERS

Preparing the Elements with Separated Panels

SINGLE PASS AND DOUBLE PASS DOOR ELEMENT

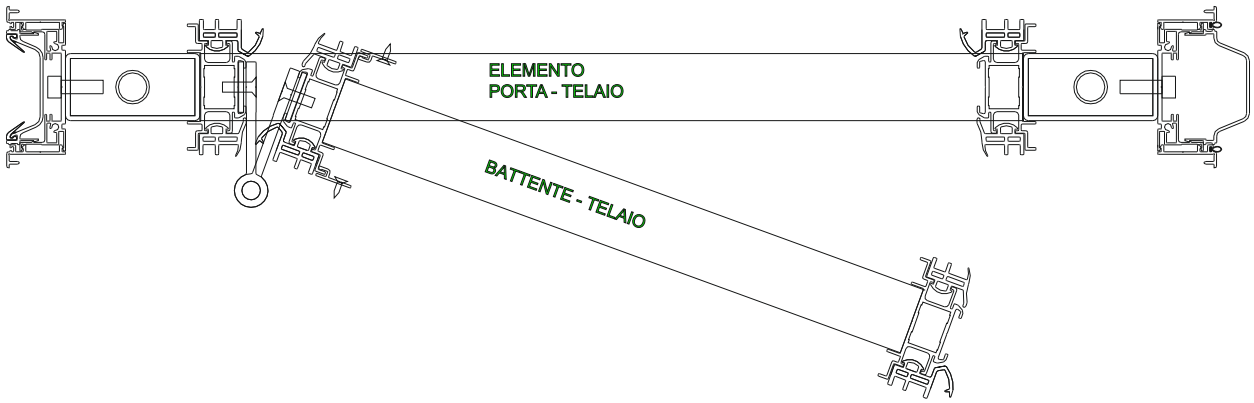
For door elements covering.
Glue on internal side of panels the plastic hook gaskets as on figure:



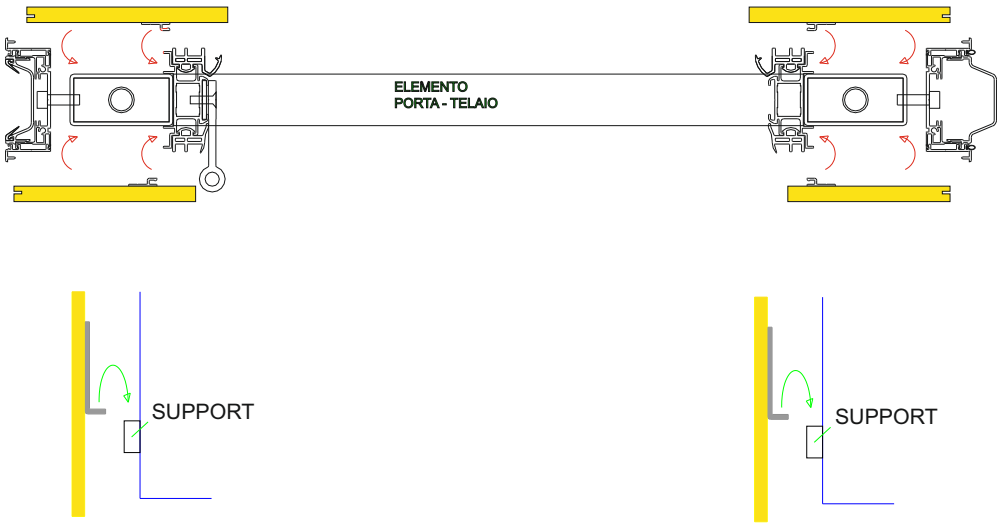


Preparing the Elements with Separated Panels

-Remove door leaf chassis from element chassis (open the door leaf and lift from hinges)

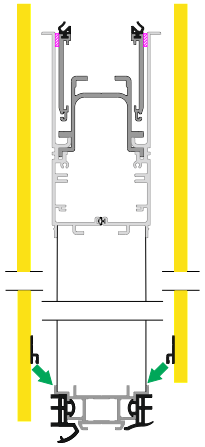


-Hook leg panels and upper panels to vertical profiles; lean panels on nylon supports on legs.

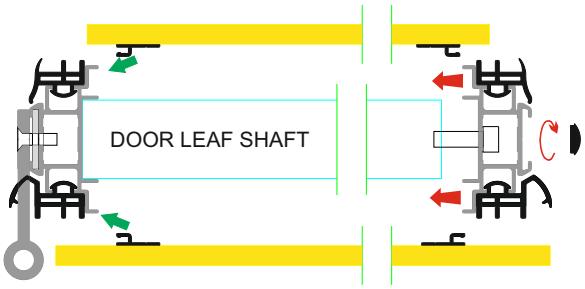


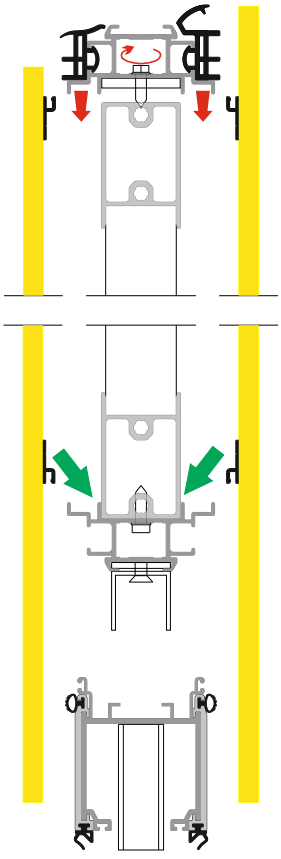
Preparing the Elements with Separated Panels

-Fix upper panels to aluminium frame hooking plastic profiles to aluminium profiles and clicking them in their position. Then screw vertical male and female profile to chassis to lock all panels.



-Unscrew (DO NOT detach) on door leaf chassis vertical rabbet profile on hinge opposite side and rabbet horizontal profile; hook leaf panel matching plastic gaskets with aluminium profiles wings and leaning the whole panel on lower aluminium traverse; then screw rabbet profiles to lock panels.





Preparing the Elements with Separated Panels

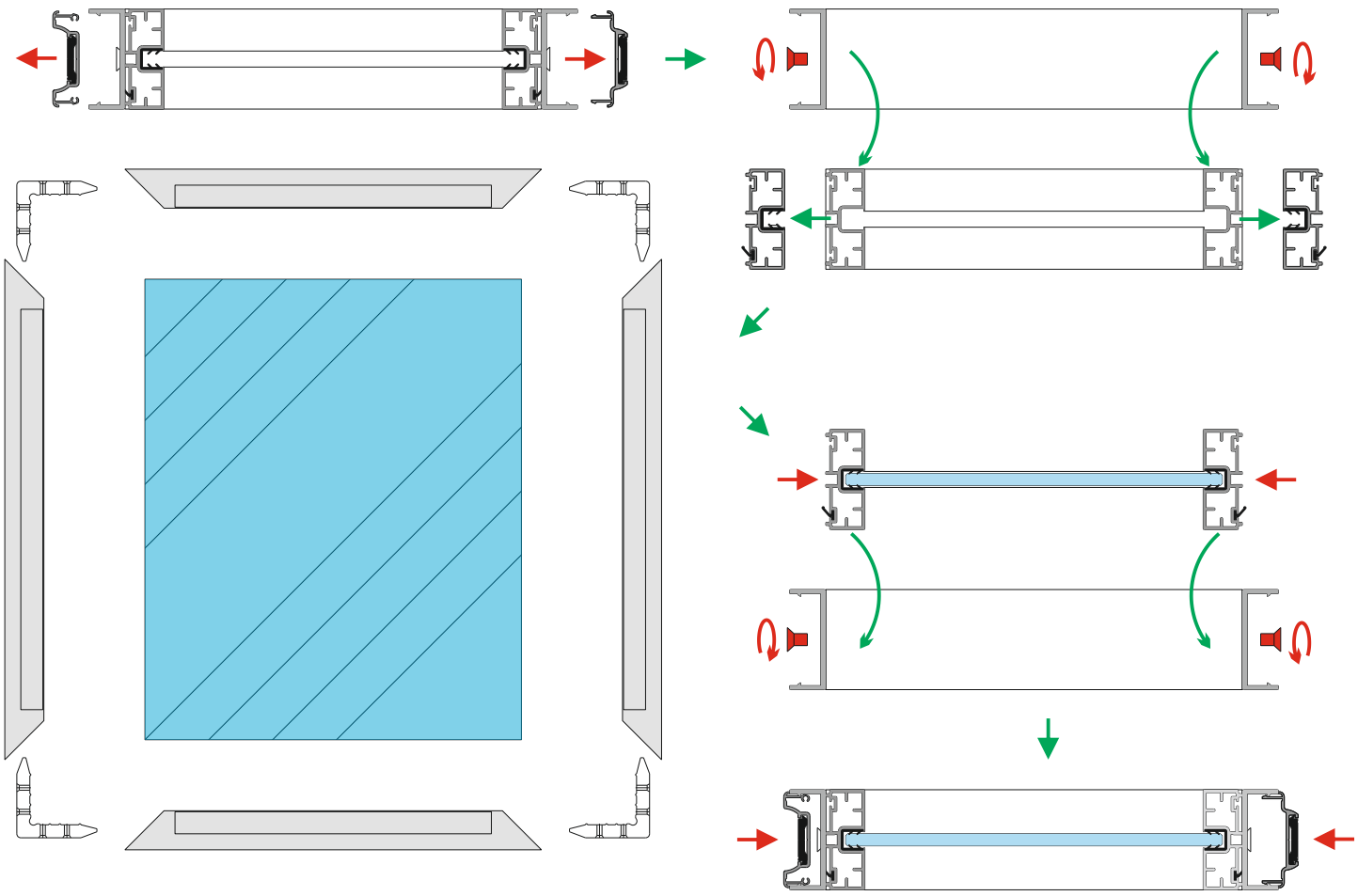
DOMINO

If elements are supplied with internal finishing panels not assembled to chassis, proceed as follows.
In this case the elements have glass/panel clamp profiles already fixed to chassis.

1) Approach vertical clamp profiles as follows:
- Standard Elements: detach external male, female or rabbet profiles, fixed by click
- Closure Elements: detach external rabbet profiles, fixed by click or by screws
- Door Elements: extract door leaf from chassis (slides onto hinge pins), then unscrew rabbet profiles, fixed by screws
- Telescopic Element: on mobile shoulder side, unscrew external profile, then unscrew and remove the profile with gears

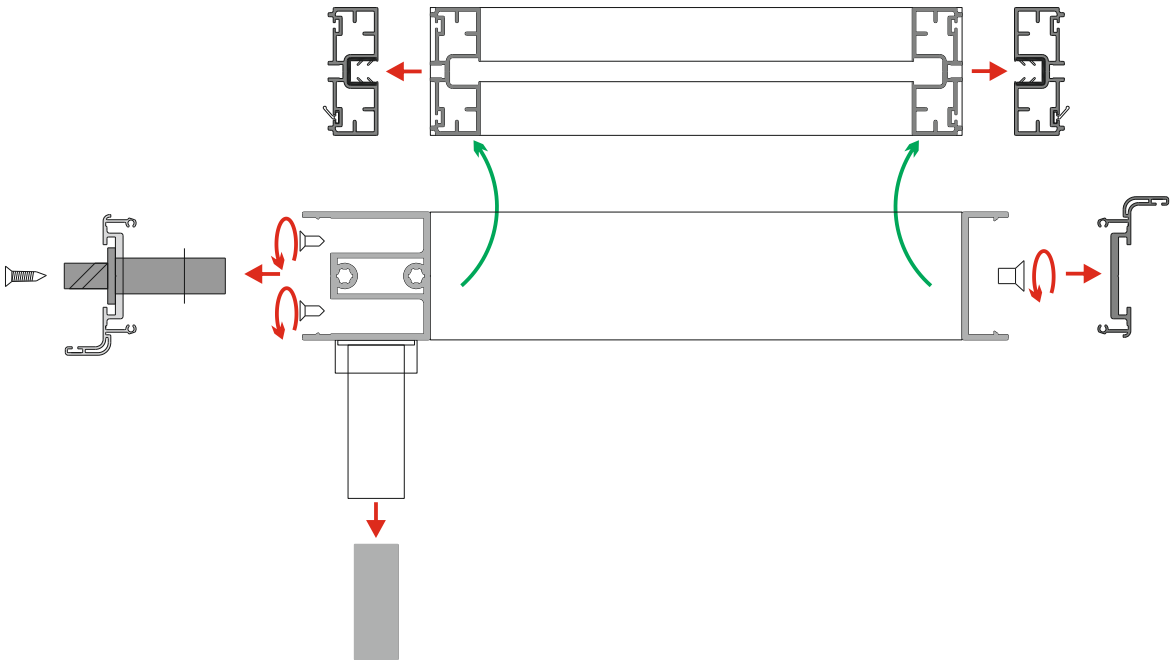
2) Unscrew glass/panel clamp profiles from chassis and extract the internal frame
3) Take apart the frame and assemble it onto finishing panel (use plastic squares). If necessary, join and fix the parts using adhesive silicone
4) Insert the frame + finishing panel and fix by screws to chassis
5) Re-assemble all parts to the elements

Standard Elements

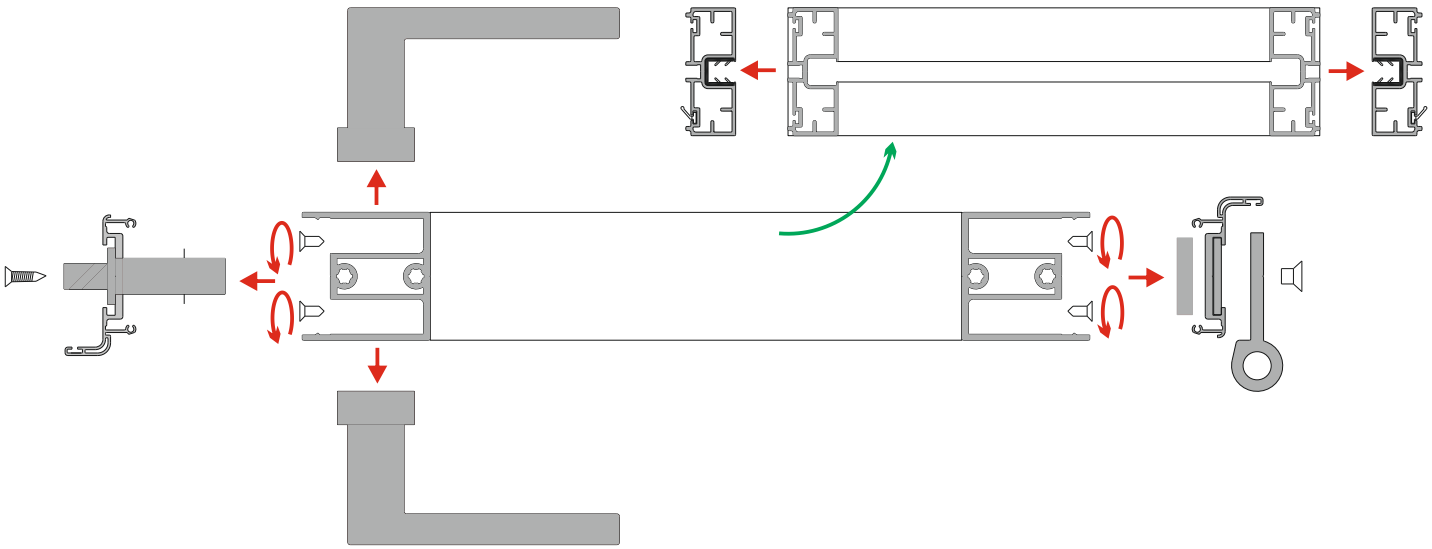


Preparing the Elements with Separated Panels

Closure Elements / Door Closure Elements

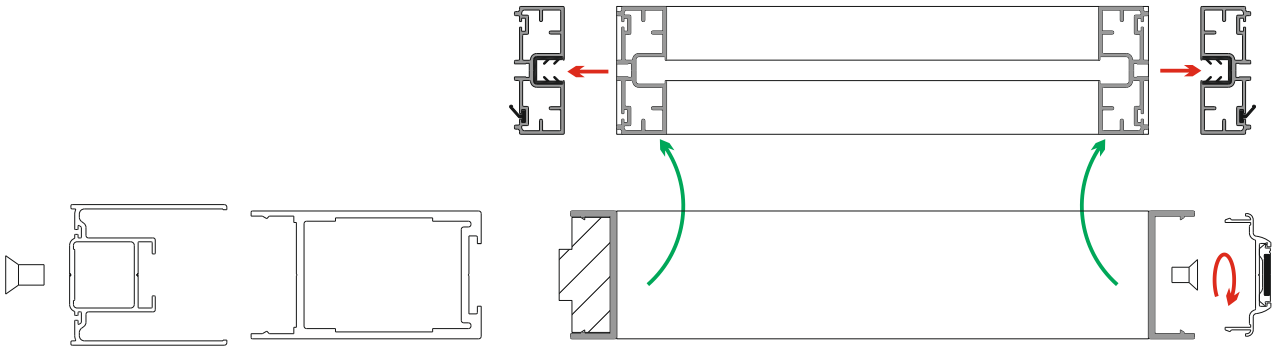


Door Elements



Preparing the Elements with Separated Panels

Telescopic Elements



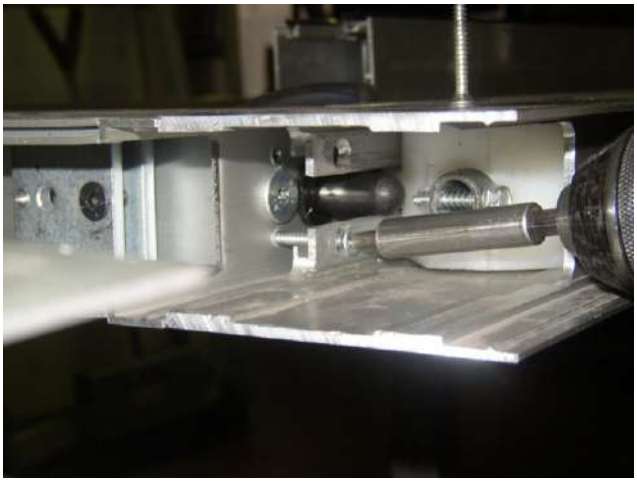
Preparing the Elements with Separated Panels

Telescopic Element: removing mobile head

1 - Unscrew and remove the mobile head profile

2 - Unhook mobile seal springs

3 - Partially extract (NOT fully) mobile seals as shown



4 - Remove the 4 locking screws on th edges of gear shaft

5 - Extract WITH CARE the whole gear shaft (push FROM bottom TO top to let slide it)

Preparing the Elements with Separated Panels

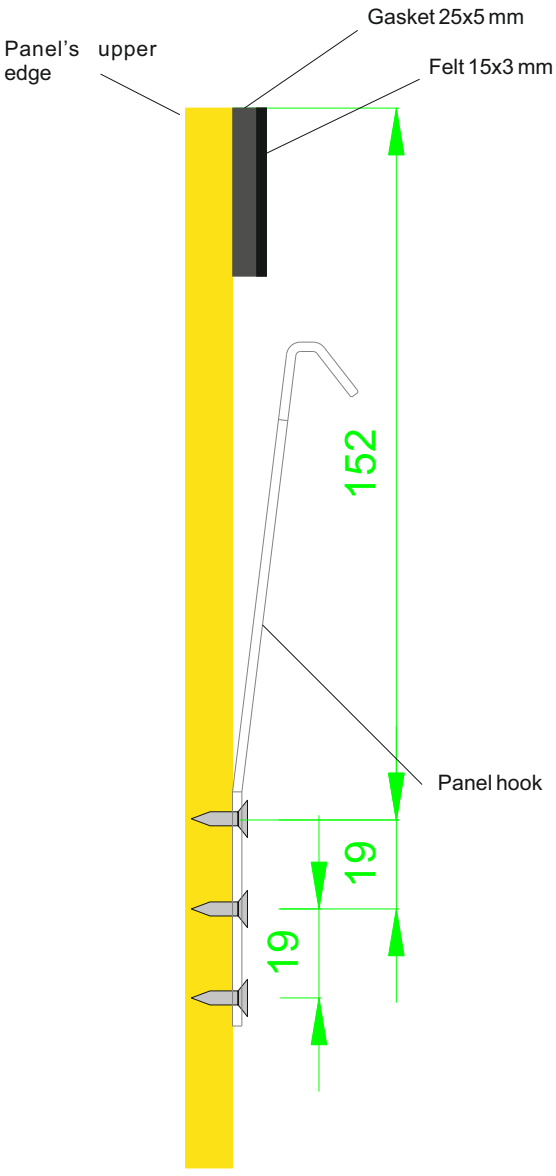
DOMINO DUO

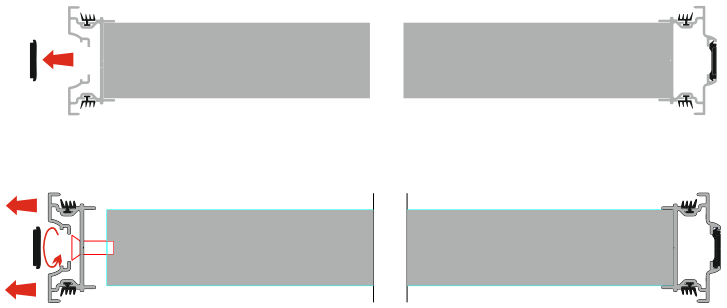
COVERING PANEL APART (TO ASSEMBLE IN SITE)

if covering panels (10 mm hick) are furnished separated and to assemble in site, follow this procedure.

STANDARD ELEMENTS

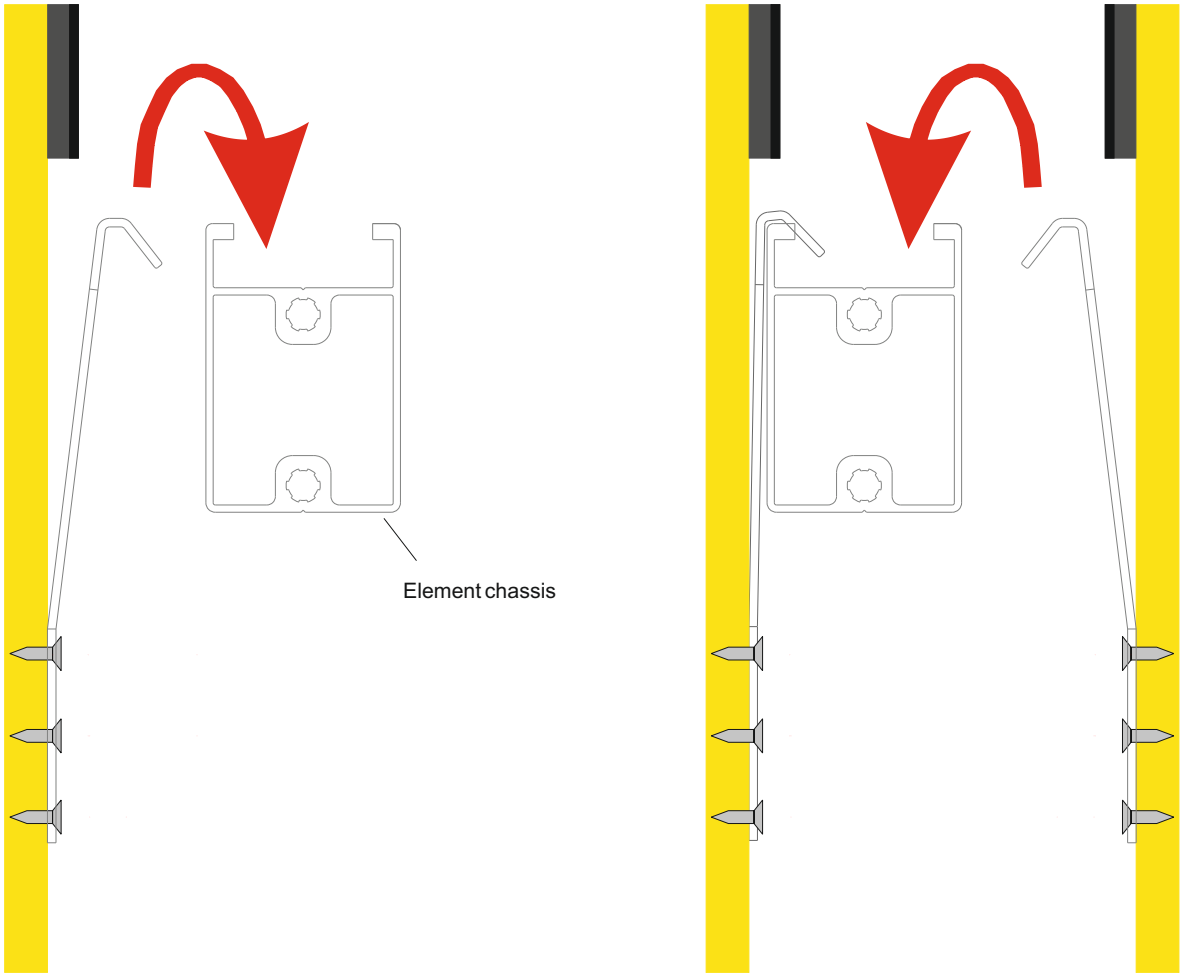
Prepare the panels fixing (with screws) on internal side the steel hooks as on figure. Fix also horizontal gaskets (felt 15x3 and self-adhesive 25x5) on upper and lower edge as on figure.
Then unscrew (DO NOT detach female profile).

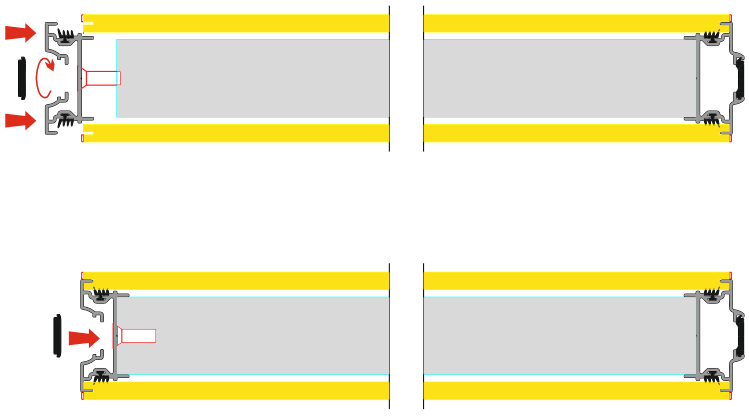




Preparing the Elements with Separated Panels

Hook covering panels coupling steel hooks with chassis traverses as on figure, then couple panels vertical millings with vertical profile wings and screw female profile to lock.

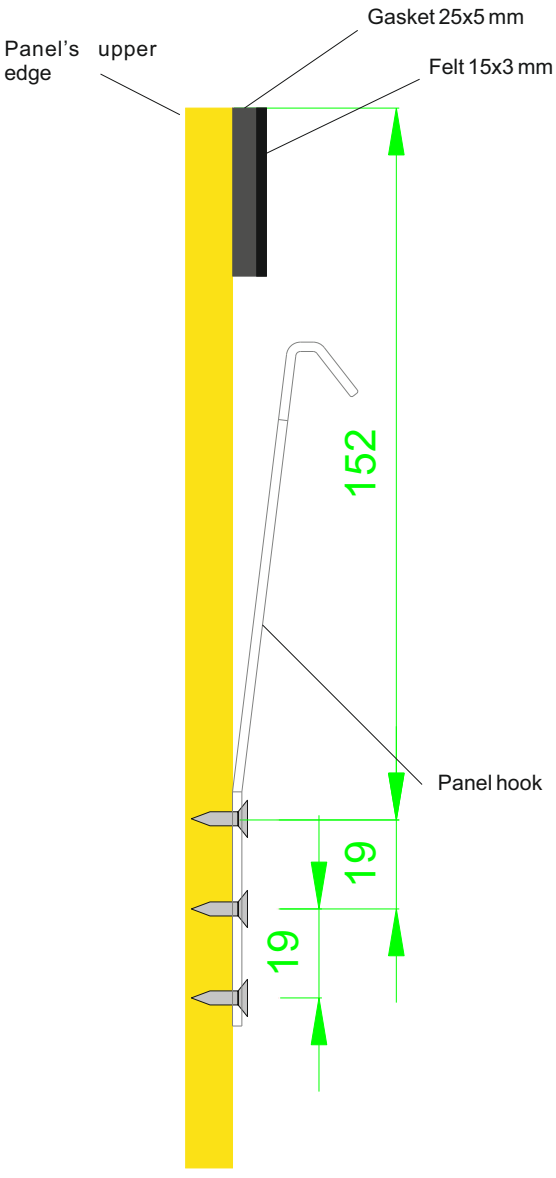


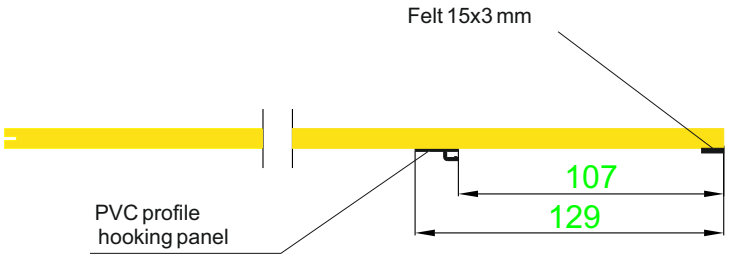


Preparing the Elements with Separated Panels

TELESCOPIC ELEMENT

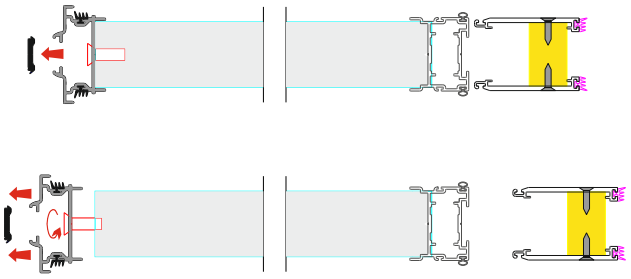
Prepare the panels fixing on internal side the steel hooks (with screws) and PVC profiles (with glue) as on figure, **pay attention to vertical gasket position** (that has to be fixed in the direction of mobile vertical head).
Fix also horizontal gaskets (felt 15x3 and self-adhesive 25x5) on upper and lower edge as on figure.



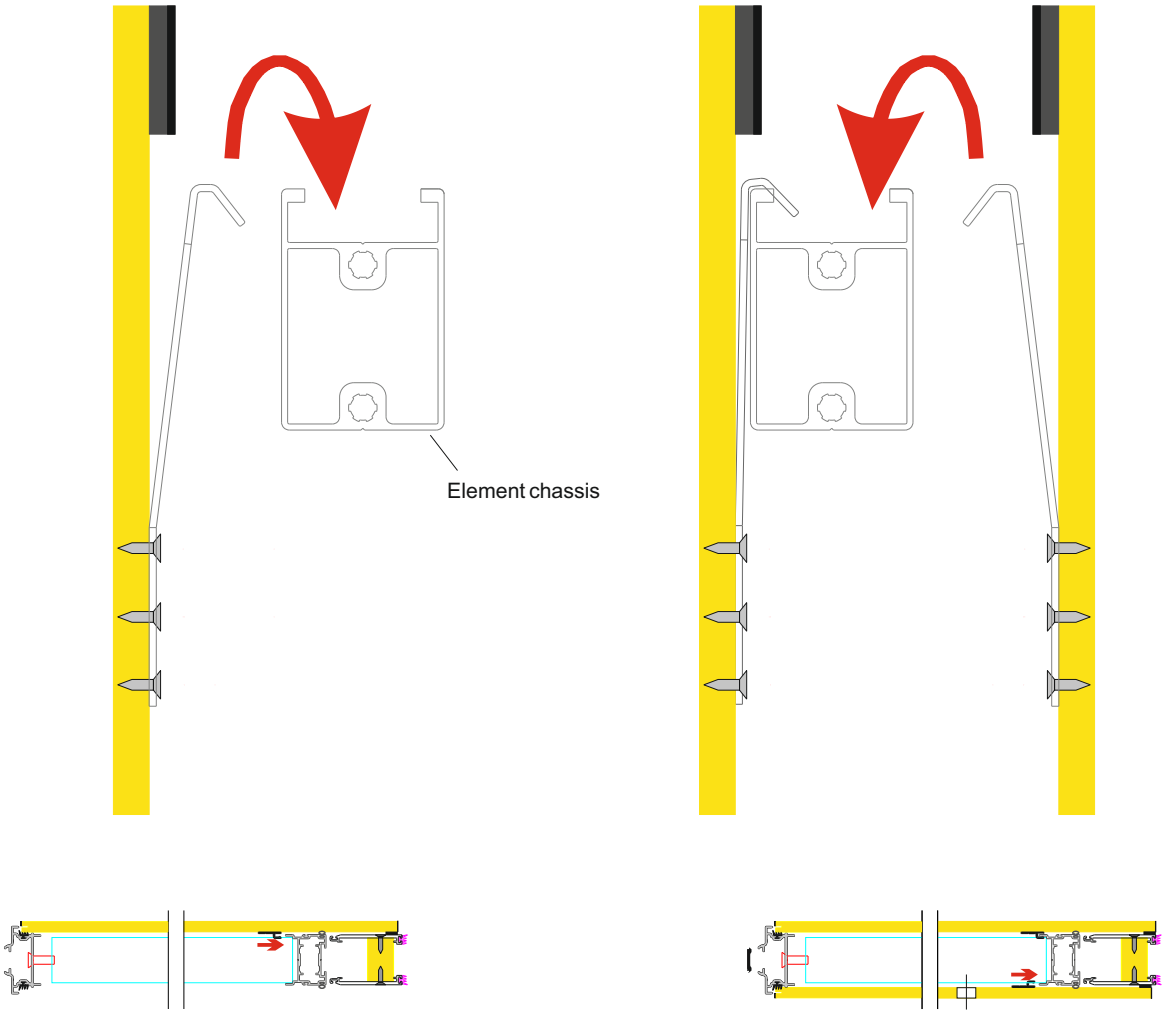


Preparing the Elements with Separated Panels

Partially unscrew (DO NOT detach) male profile from chassis.

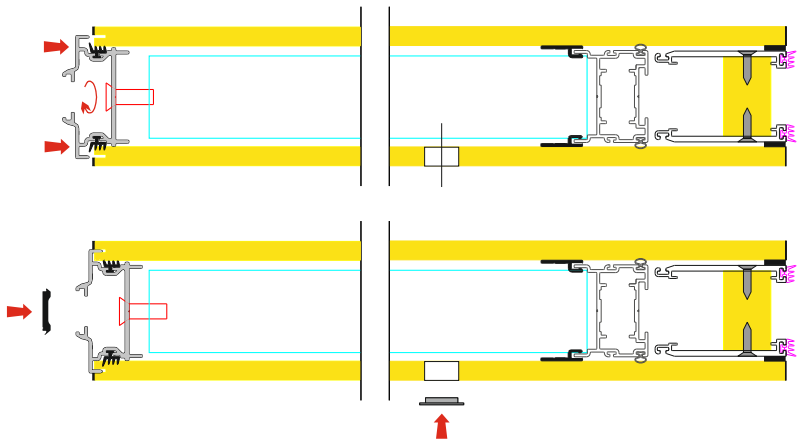


Hook the panels, first matching the horizontal profiles with PVC gaskets, then sliding panels to match the vertical profile. **Pay attention to set correctly the panel with the hole for the control**.



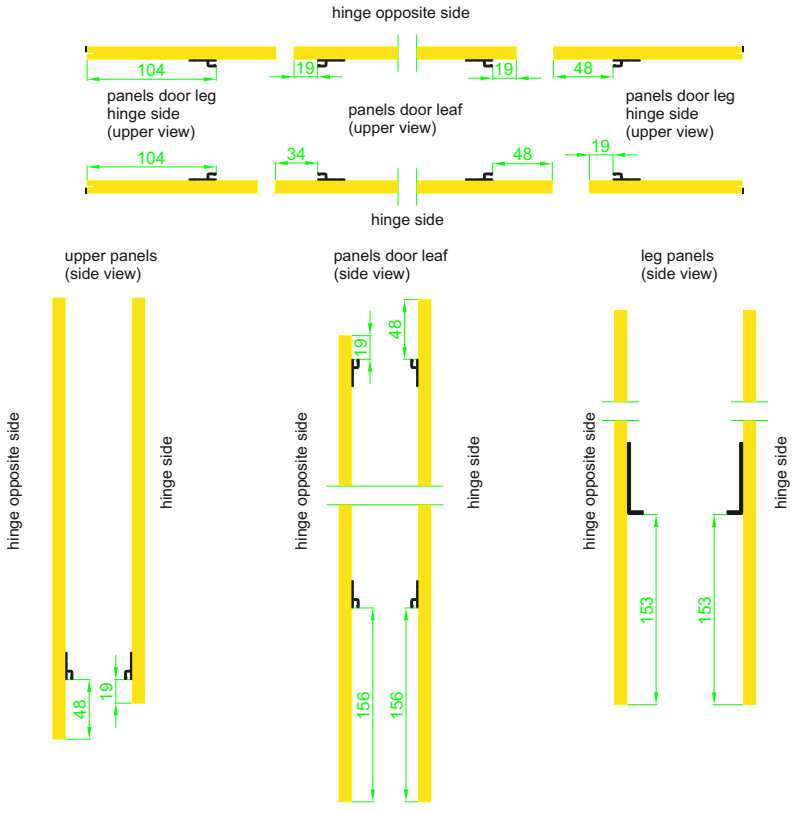
Preparing the Elements with Separated Panels

Screw male profile to chassis: the wings on aluminium have to match the millings on covering panel. Fix clutch plug onto hole on panel,



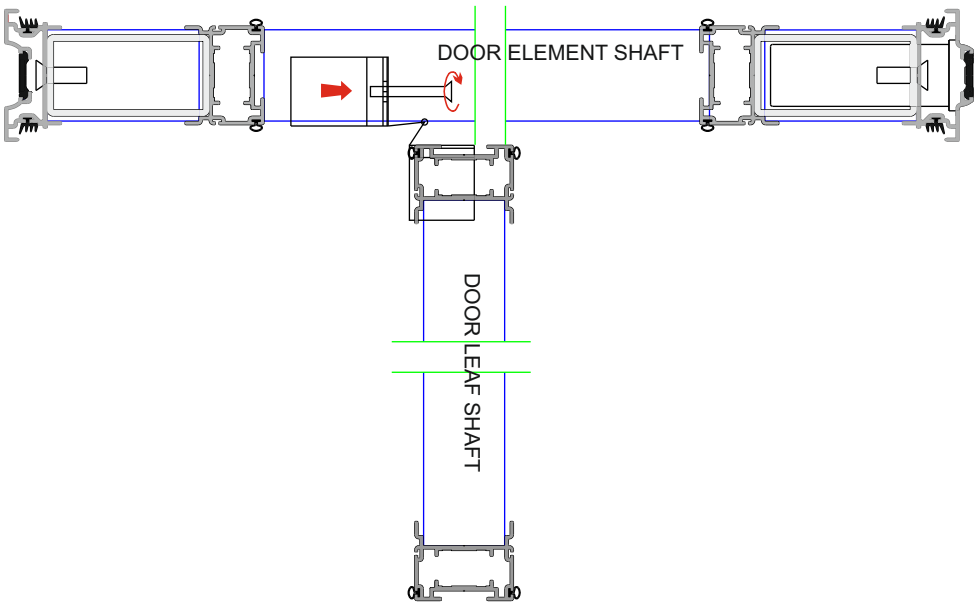
SINGLE / DOUBLE PASS DOOR ELEMENT

Prepare the panels fixing (with glue) on internal side the horizontal plastic hooking profiles as on figure.

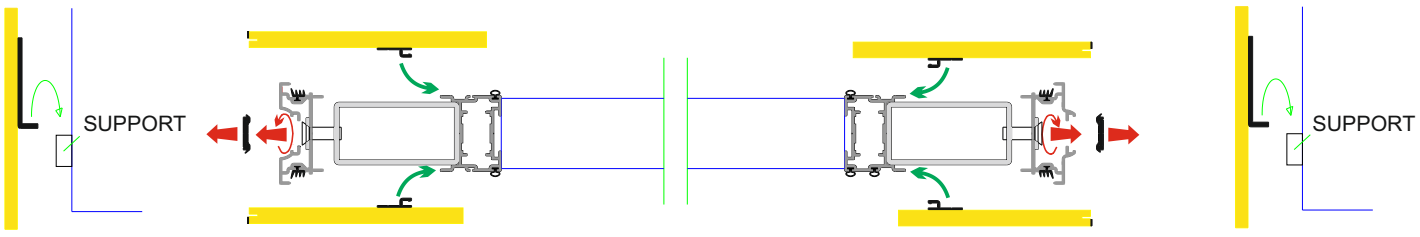


Preparing the Elements with Separated Panels

Remove door leaf chassis from element acting on embedded hinges (unscrew from element).

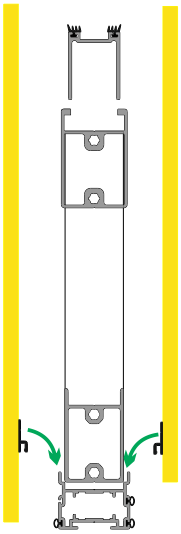


-Unscrew (DO NOT detach) vertical male / female profiles; fix leg covering panels to male / female and rabbet profiles; lena them on nylon supports

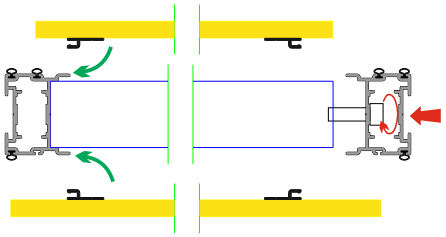


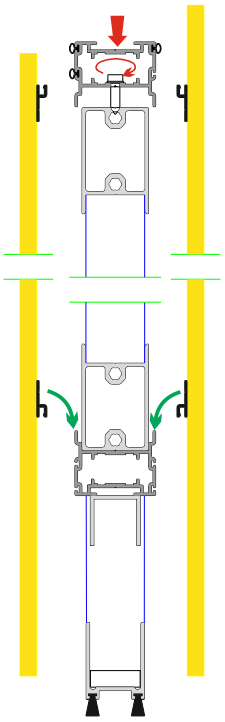
-Fix upper panels to aluminium frame hooking the plastic profiles on panels to aluminium profiles, then screw male / female profile to lock panels.

Preparing the Elements with Separated Panels



-On door leaf chassis, unscrew (DO NOT detach) hinge opposite vertical profile and upper horizontal profile; hook door leaf panels on hinge side profile and lean them on horizontal traverse; then screw all profiles to lock panels.





Preparing the Elements with Separated Panels

GLASS STANDARD DOMINO DUO ELEMENT WITH SEPARATED GLASSES

GLASS PREPARATION

1) If necessary, use acetone to remove paint particles on the inside of the glass

2) VERY CAREFULLY clean the glass on the inside with alcoholic detergent (i.e. XAN) to eliminate moisture and residual grease

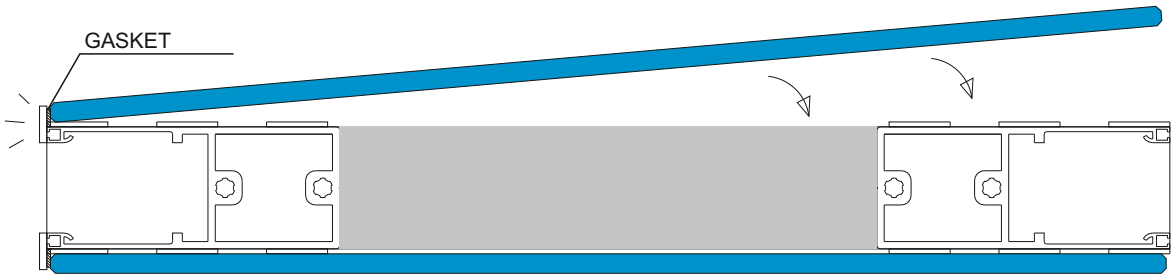
3) If desired, add Primer "3m VHB SYLANE PRIMER" (15% adhesion increase) - drying time approx. 10 minutes

GLASS FIXATION ON ELEMENTS

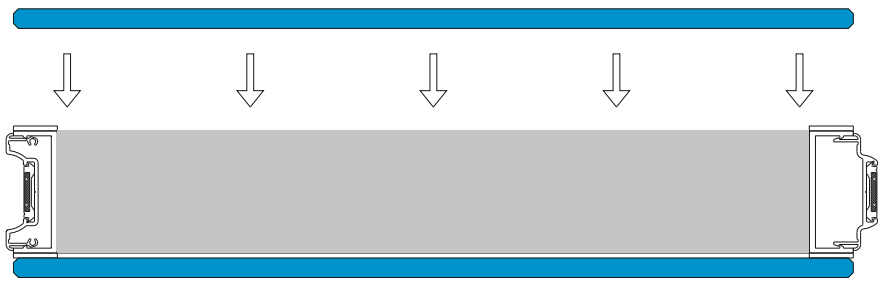
1) Position the nylon spacers in appropriate steps on the vertical profiles

2) Position the glass resting it starting from one of the 2 lower edges, resting on the gasket of the lower traverse wing and on the spacers

3) Allow the adhesive to act before packing, AT LEAST 1 hour (50% of the seal)



VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION

Preparing the Elements with Separated Panels

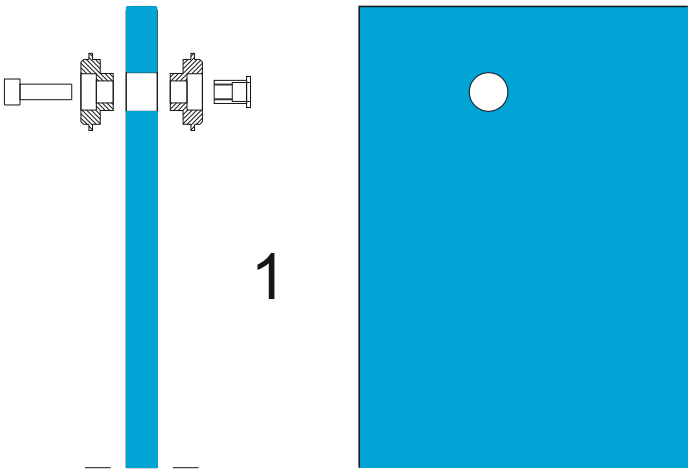
EXTESA

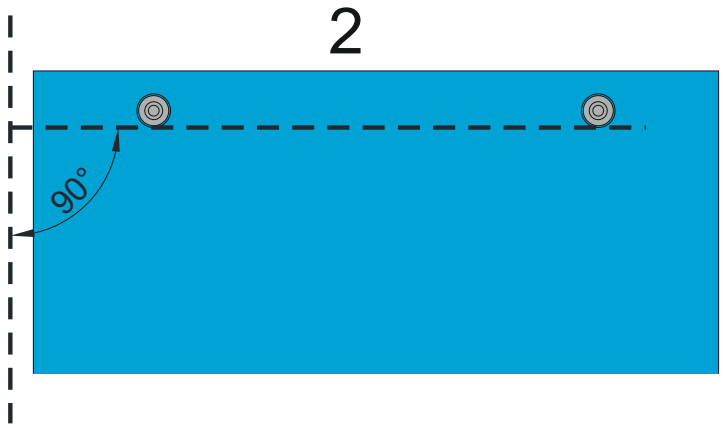
SEPARATED GLASSES (TO ASSEMBLE ON SITE)

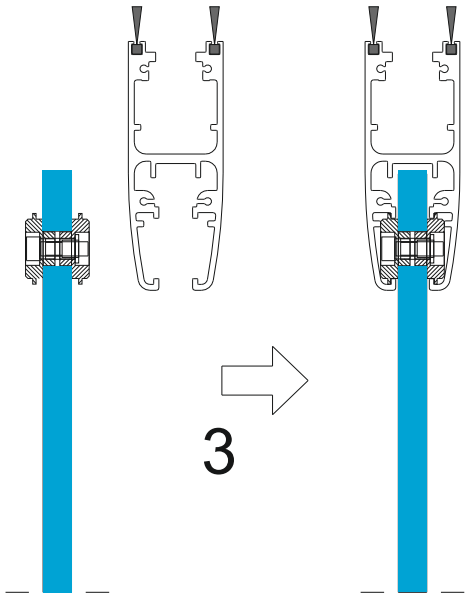
If the GLASSES (10 / 12 mm thick) are Se i VETRI (spessore 10 / 12 mm totale) are provided separately to assemble on site, follow the procedure below.

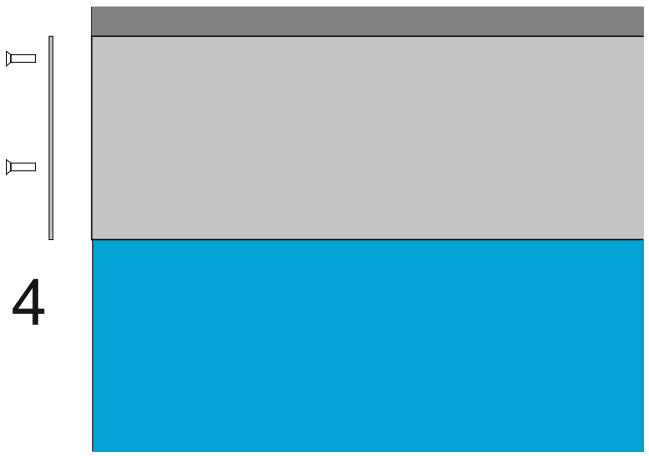
STANDARD ELEMENTS

Prepare drilled glasses by assembling the clamping bushes on each hole. Verify that they are aligned perpendicular to the vertical edge of the glass.
Then insert the horizontal edges of the glass inside the aluminum profiles where indicated.
Close and stop the glass with the appropriate stainless steel plates.





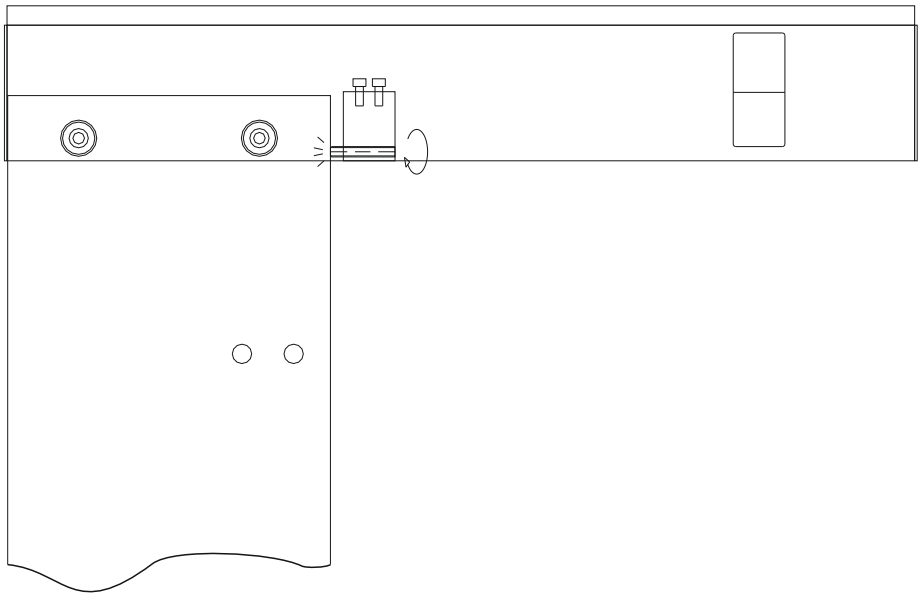




Preparing the Elements with Separated Panels

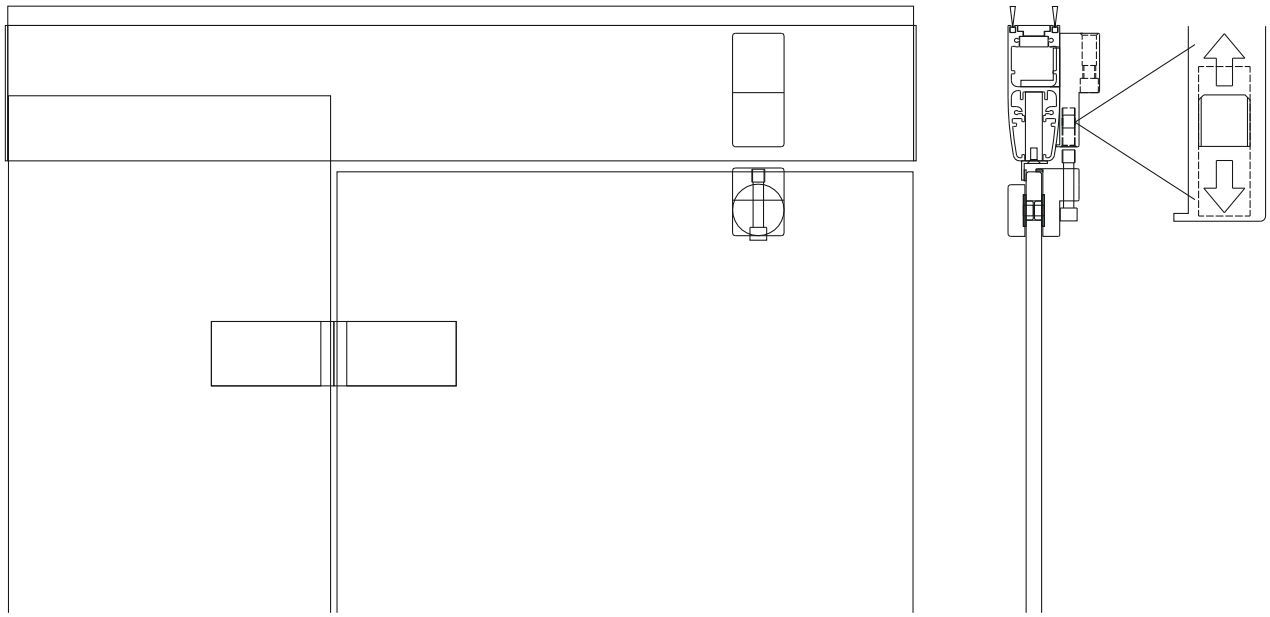
DOOR ELEMENTS

For glass jambs as a standard element. Because the upper traverse is larger, on one side stop with a stainless steel plate, on the other hand use the retaining unit with the plastic screw.



Fix the swing door door to the jamb with the hinges.
Assemble the handle and lock.

Before moving, tighten the hinged door to the upper crossbar using a threaded pin (if necessary, adjust with the grain to have the horizontal edge of the swing parallel to the upper crossbar).



Inserting the Elements Into the Ceiling Track

WARNING: inserting the elements into the track is a sensitive and possibly dangerous procedure. Be sure to use proper tools and proper safety procedures.

In order to avoid damages due to the shipping, the trolleys are usually supplied under separate cover. Screw the trolleys on their bearings, which are on the upper side of the elements shaft, then screw the lock nut on the trolley screw

To correctly install elements into rail track:

1. Detach the removable track element acting on internal screws

2. Avoiding to remove the packing, screw trolleys to their supports on upper edge of elements and lock with lock plate or with nuts (depening by trolley version).
Multidirectional partitions:
-for t**racks with covering or 8L version**, it is suggested to fix **both trolleys to element before lifting element to track**
- for **tracks aligned to ceiling**, it is suggested to **fix first trolley, lift element to track and the fix and lift second trolley** (this to avoid damages on ceiling)

3. Avoiding to remove the packing, insert elements into track respecting the correct verse:

   insert standard and door elements **with the male profile towards the starting upright** (set with female profile); insert telescopic element normally **with mobile head towards the arrival upright** (set with female profile for **Maxparete HSP**, flat for other series)

   The elements must be inserted and moved **towards the stacking area** to avoid obstacles during operation. For monodirectional partitions the stacking area is shown on drawings or by the side where the anchorages are more numerous, for multidirectional partitions the stacking area is shown only on drawing.

4. When all elements are inserted, set the removable track element and screw.

Pay attention when lifting and inserting the elements to avoid any damage to the finishing panels and to the floor seal gaskets. In particular, when using a lever to lift the elements, always make sure to apply an evenly-distributed load as single-point load application may result in serious and irreversible gasket damage.

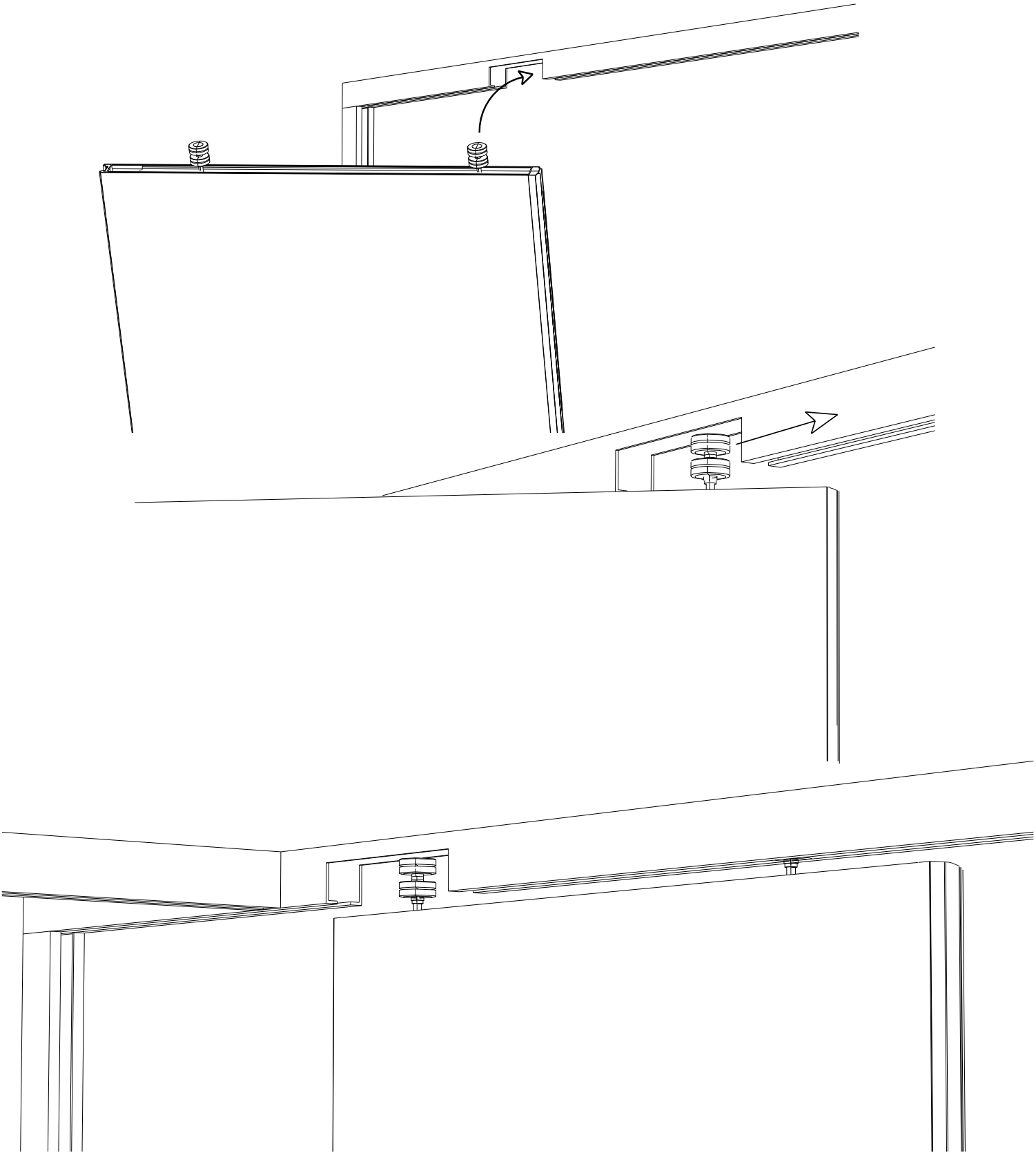
To avoid possible damages, remove the packaging of the elements only after insertion into tracks.

Inserting the Elements Into the Ceiling Track

Trolley regulation with lock plate (if present)

Regulate trolley position acting on trolley's pin grooves.
When in position, let lock plate slide and lock with screw.

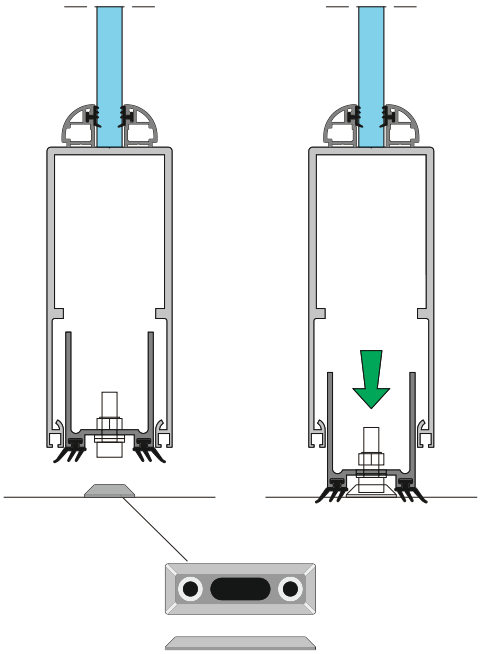
Inserting the Elements Into the Ceiling Track



Inserting the Elements Into the Ceiling Track

DOMINO - DOMINO DUO

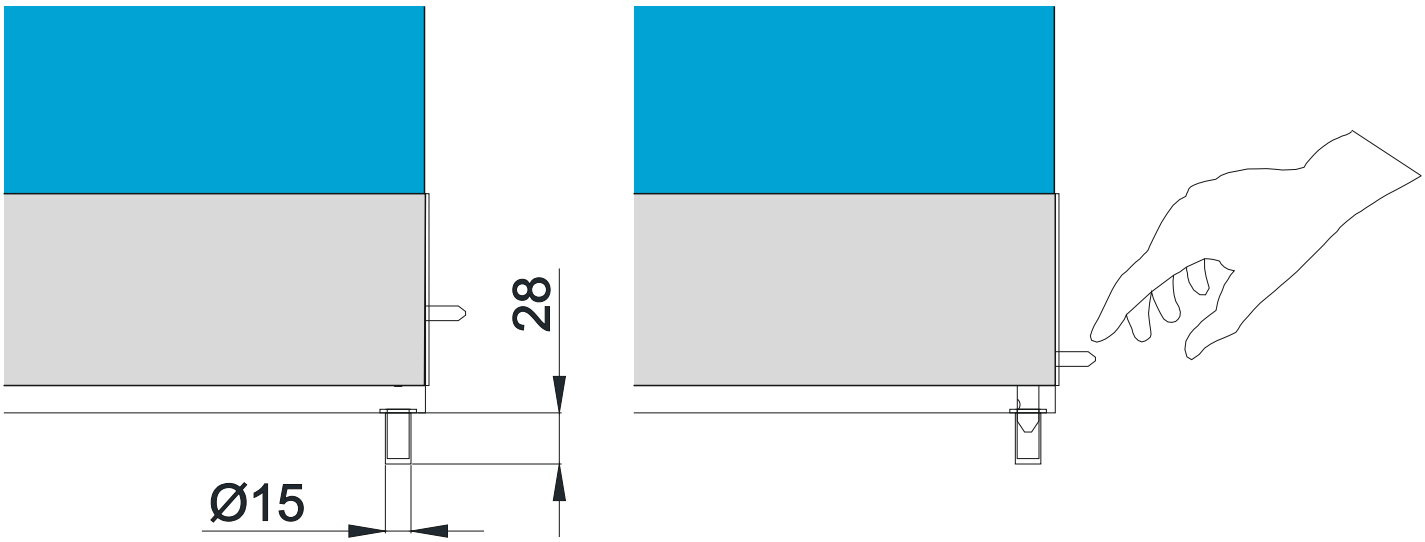
For male/rabbet elements, angle/cross section elements or double pass door elements (for secondary leaf) it is necessary to mount the floor locking plate. The plate should be exactly aligned with the wall axis and its position along the axis should correspond to the position of the pin inserted into the lower seal of the element. Once the floor plate is in place, position the element letting the mobile lower seal match the floor plate. If the floor plate is properly placed, the element should not move transversally to the wall axis.



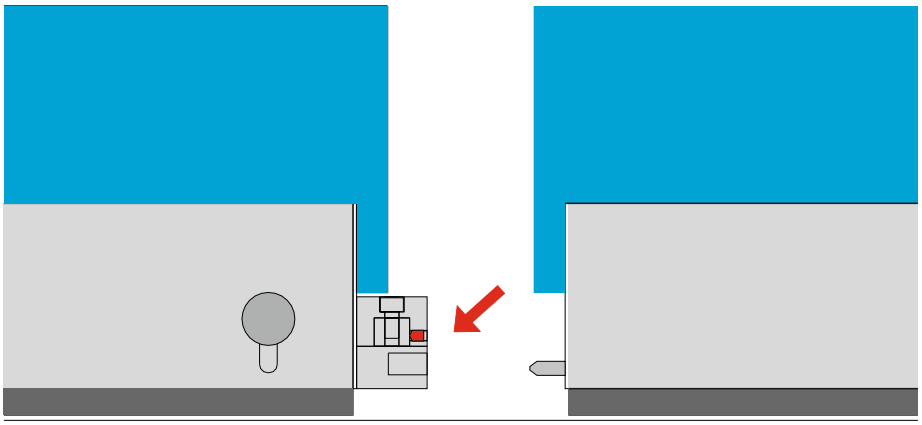
Inserting the Elements Into the Ceiling Track

EXTESA

The Extesa partition requires inserts of floor sockets (diameter 15 mm, depth 28 mm) in correspondence of the terminal and / or central pins of each element.
It is EXTREMELY IMPORTANT to mark the positions of wells BEFORE drilling on the floor.
To mark correctly, first insert all the elements, align them vertically and horizontally and place the wall as on drawing.



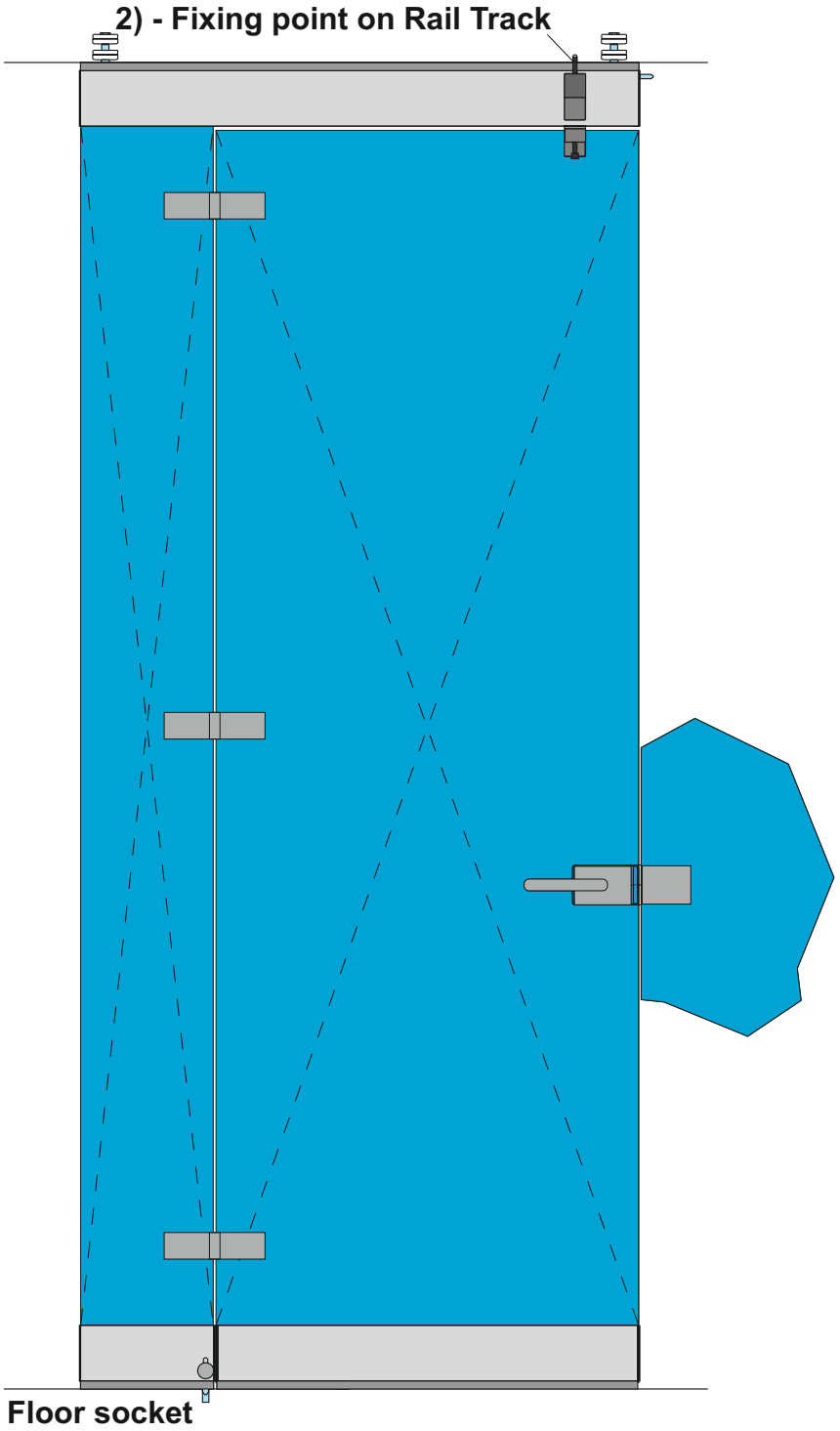
For elements with angle: if necessary, once the angle compass has been correctly oriented, lock with highlighted screw



Inserting the Elements Into the Ceiling Track

DOOR ELEMENTS

For all door elements, a top fixing point on Rail Track is scheduled (by means of a threaded pin exinting from the door lock). Proceed FIRST by drilling the floor and stopping the door below, THEN marking and drilling on Rail Track.

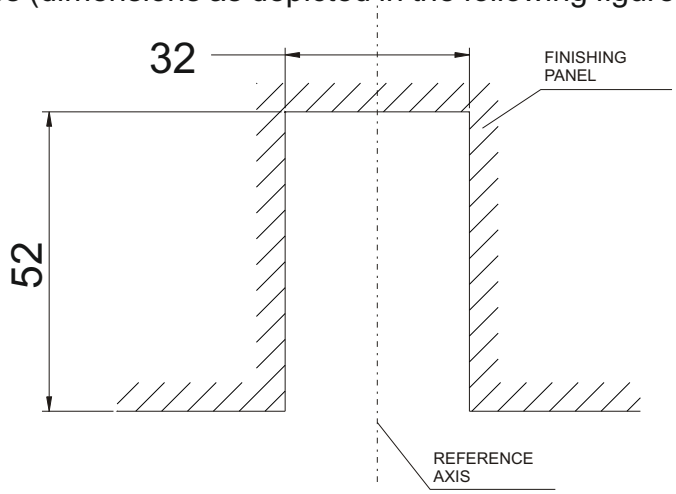


Assembling the T-junction upright (if supplied)

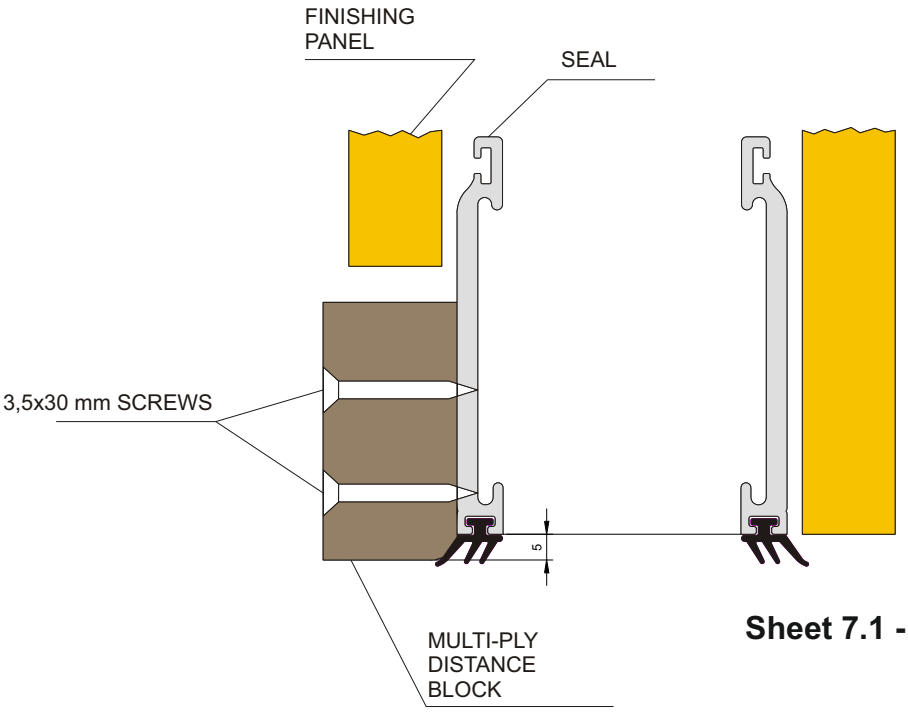
MAXPARETE HSP

T-junction uprights are supplied when a crossing intersection is required between two operable partitions.
A T-junction upright is placed onto the element where the intersection line between the two partitions lies.
Please pay attention when installing the junction upright both with regards to its exact positioning and to its plumb.

Please follow these steps to perform the installation correctly:
1. Identifiy and trace the reference upright vertical axis on the element where it will be installed. Such axis is defined as the intersection line between the two partitions.
2. Cut two rectangular holes (dimensions as depicted in the following figure) in the element's finishing panel

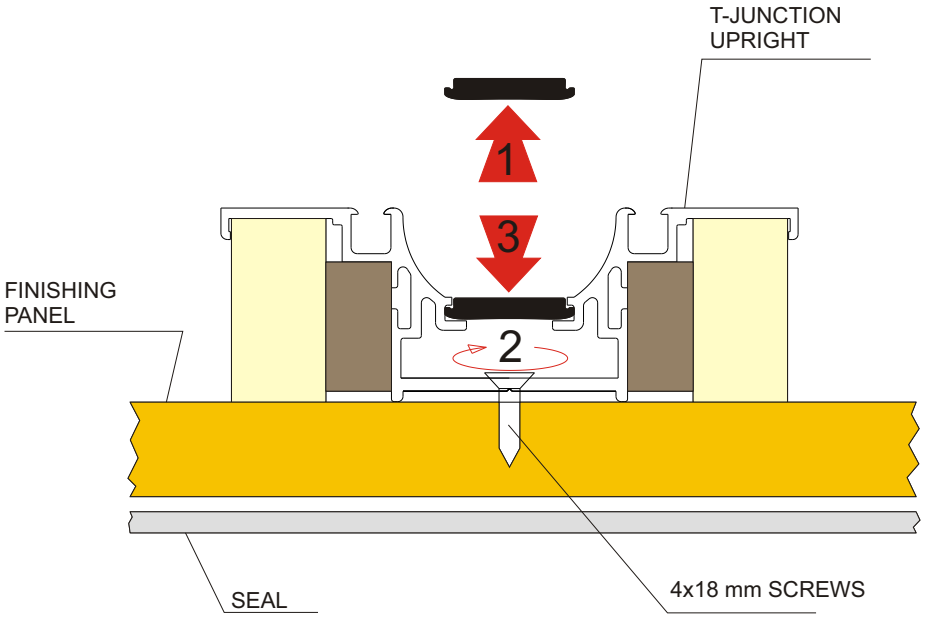


3. Partially extract the floor and ceiling seals, then insert the multi-ply distance blocks in the previously made holes: please make sure that the distance block side with the hole flares is placed outwards. Fix the blocks to the aluminium floor and ceiling seals using the 3,5x30 mm screws, so that the block line is 5 mm out the seals line, as depicted in the following figure.

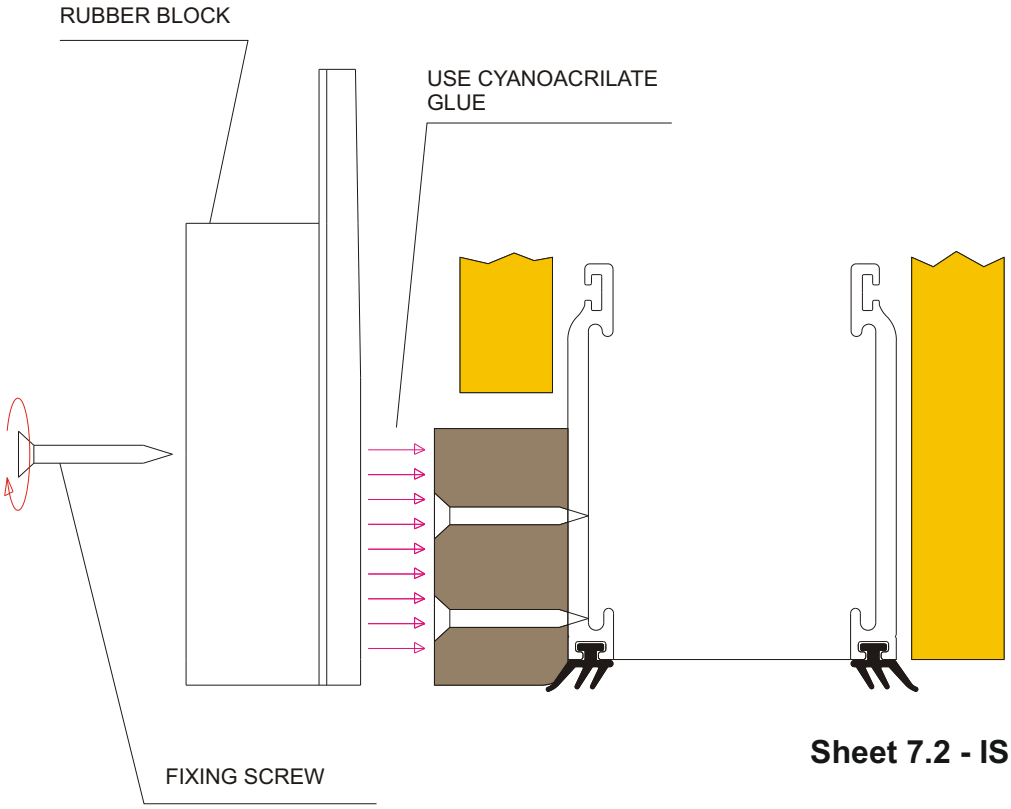


Assembling the T-junction upright (if supplied)

4. Remove the vertical strip gasket from the upright body. Fix the upright body to the covering panel of the element along the reference vertical axis, using the 4x18 mm screws. Insert the strip gasket again (see figure).



5. Fully extend the floor and ceiling seals, then glue the rubber blocks to the multi-ply distance blocks, so that they are aligned one another. We suggest using cyanoacrilate glue and fixing screws (see figure). Retract the floor and ceiling seals.

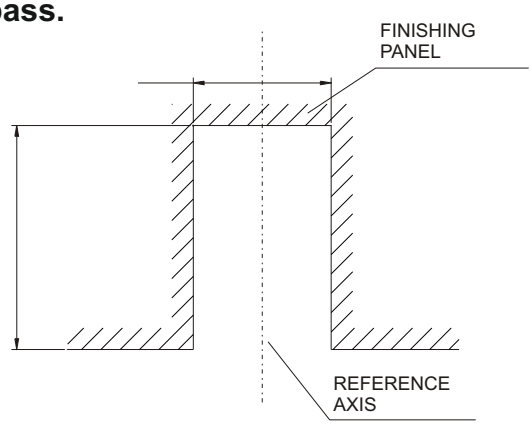


Assembling the T-junction upright (if supplied)

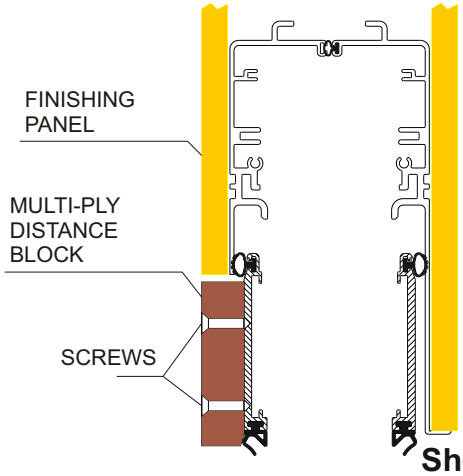
MAXPARETE E-MOTION

T-junction uprights are supplied when a crossing intersection is required between two operable partitions. A T-junction upright is placed onto the element where the intersection line between the two partitions lies. **Please pay attention when installing the junction upright both with regards to its exact positioning and to its plumb.**

Please follow these steps to perform the installation correctly:
1. Identifiy and trace the reference upright vertical axis on the element where it will be installed. Such axis is defined as the intersection line between the two partitions.
2. Extract the seal-mechanism groups (i.e. the seals, the aluminium transversal frame and the seal mechanism)
3. Cut on each group a hole large enough to fix the multi-ply distance blocks to the seals. **Pay attention not to damage the seals, the mechanisms or the electrical parts within the seal-mechanism groups; if necessary, extract the parts which could be damaged.**
4. Cut two rectangular holes on the element's finishing panel (one on the upper and one on the lower panel edge) with the dimensions as depicted below, symmetrical with respect to the previously traced reference axis. **Pay attention to the different dimensions of the required holes as the upper one should be large enough for the electrical cables to pass.**

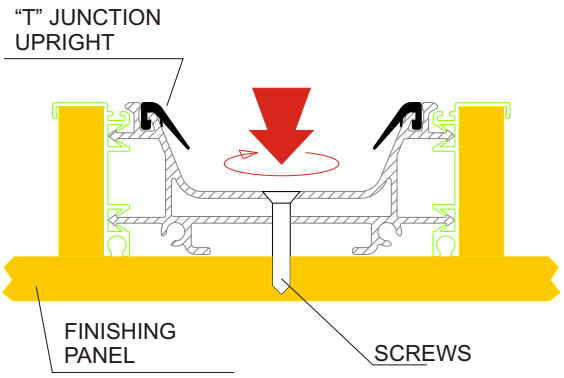


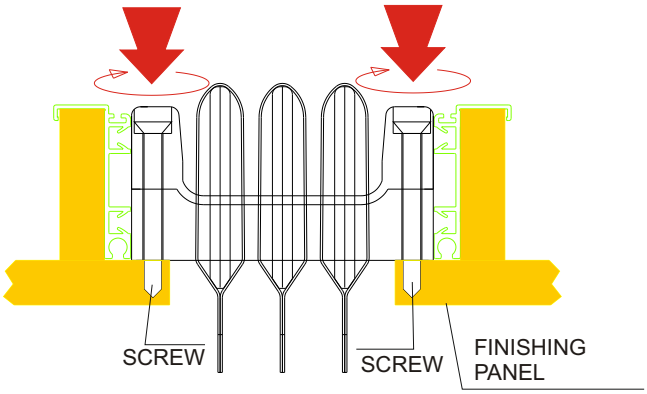
5. - insert the multi-ply distance blocks in the previously made holes: please make sure that the distance block side with the hole flares is placed outwards. Fix the blocks to the aluminium floor and ceiling seals using the screws supplied with the upright, so that the block line is aligned with the contact zones of the seal gaskets as depicted.



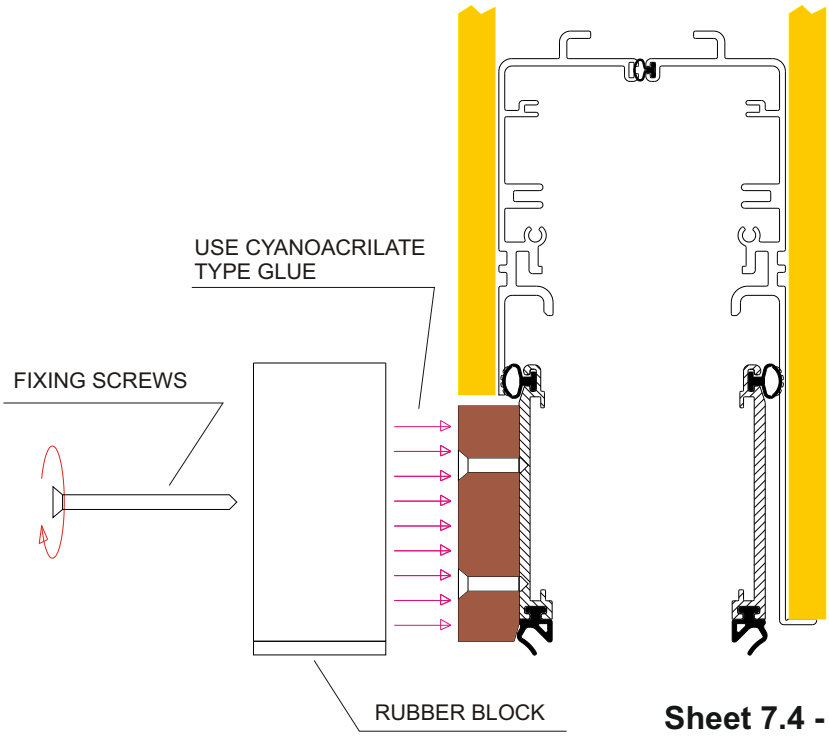
Assembling the T-junction upright (if supplied)

6. Do the electrical wirings as explained in section 9. Hold the finishing panels to the upright using the clip profiles.
7. Fix the upright to the element's finishing panel, along the reference axis, using the supplied screws (to be placed in the pre-drilled holes of the aluminium profile. Also fix the electrical contact block using the supplied screws.





8. Glue the rubber seal blocks to the multi-ply distance blocks so that they are aligned one another. We suggest using cyanoacrilate glue andthe supplied fixing screws (see figure).



Assembling the T-junction upright (if supplied)

DOMINO

For DOMINO partition, “T”-junction uprights are normally assembled in factory together with the matching elements (set with brush profiles on rubber blocks).

DOMINO DUO

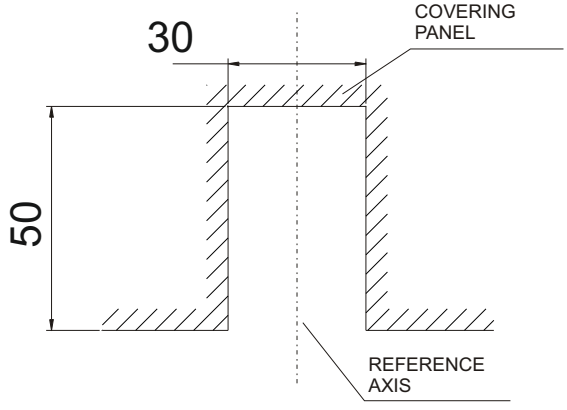
For DOMINO DUO partition, “T”-junction uprights are made without seals: it is the matching element to be prepared in factory (set with brush profiles on rubber blocks).

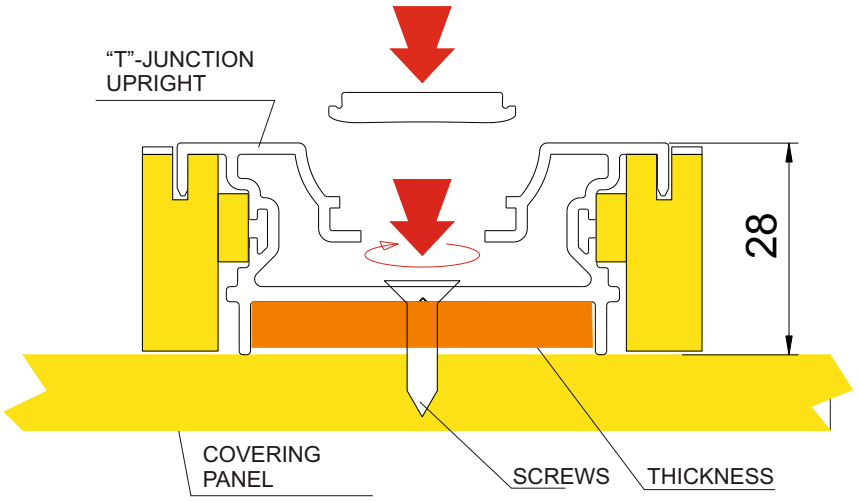
Proceed with the following steps:

1. Identifiy and trace the reference upright vertical axis on the element where it will be installed. Such axis is defined as the intersection line between the two partitions.

2. Cut two rectangular holes (dimensions as depicted in the following figure) in the element's finishing panel one on the upper and one on the lower panel line. The holes must be centered with respect to the reference upright vertical axis.

3. Fix the vertical upright with screws



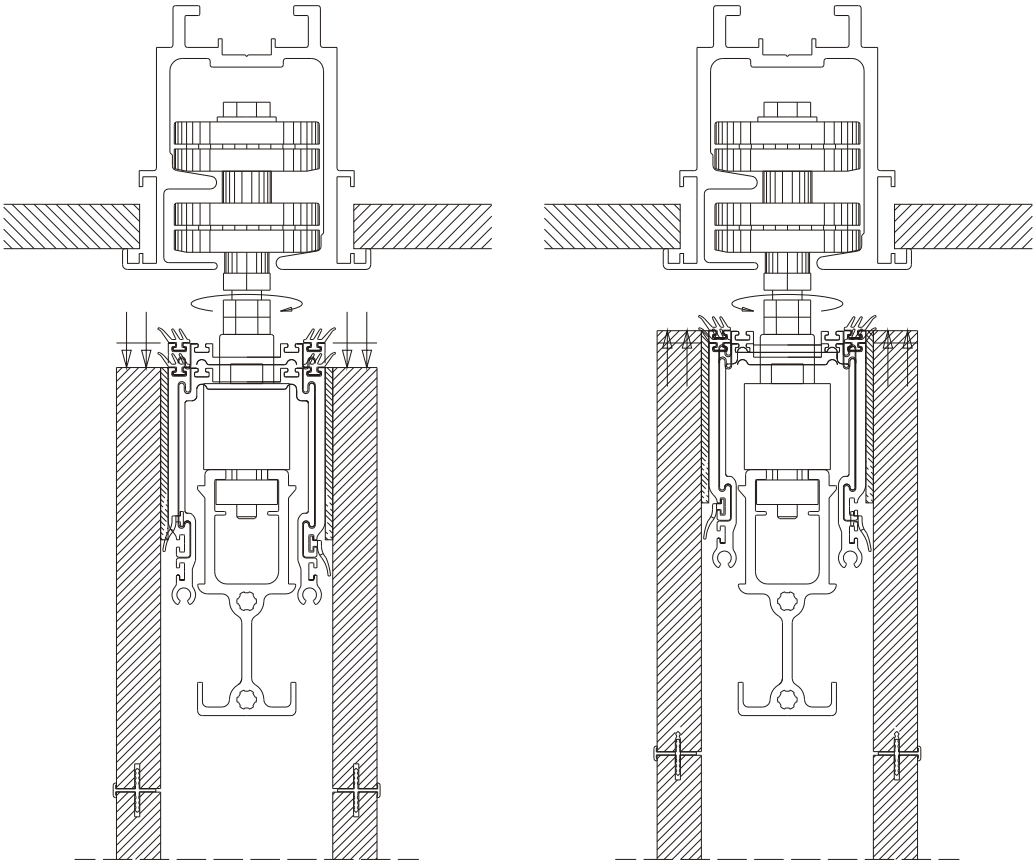


Checking the Elements

MAXPARETE HSP

Once the installation of the operable partition is completed, please check the installation accuracy and the proper functioning of the partition as follows:

1. Check the elements for vertical alignment. Alignment errors can be correctrd for by adjusting the vertical distance between the track and the upper line of the element (which is regulated by default at 30 mm). This can be done by working on the trolley pins. Please note that the vertical distance can be reduced not more than 10 mm and increased not more than 20 mm. In order to make the adjustement easier, unload the trolleys from the element weight by levering the element itself: **make sure to apply an evenly-distributed load as single-point load application may result in serious and irreversible gasket damage.**



2. Check the elements for vertical plumb: note that if the track and the vertical uprights were properly installed, this will result in perfect vertical plumb of the elements. Otherwise, check the track for perfect horizontal alignment (if necessary adjust as seen in track installing sheet) and the vertical uprights for plumb alignment (if necessary adjust as seen in uprights installing sheet).
3. Check if the elements are fully functional: the trolleys must easily slide into the track from the stacking to the operating zone, the floor and ceiling seals and the moving side of the telescopic element should properly expand and retract. If trolley sliding is difficult, try lubricating the track with the grease supplied together with the partiton. If floor or ceiling seals or the telescopic element don't work properly, and you cannot find why, please contact our Technical Departement.

Checking the Elements

IF THE OPERABLE PARTITION IS A "MAXPARETE HSP MATIC" THEN PLEASE ALSO CHECK

4. VERIFY THAT ALL ELECTRICAL CONTACTS ON VERTICAL PROFILES ARE ALIGNED AND CLEAN (TO CLEAN CONTACTS USE SOLVENT FOR CONTACTS OR BRUSHES / THIN SANDPAPER)
5. with the partition **in the stacking zone**, move the command key switch on the **CLOSE** position, then move the elements to the operating zone one by one : once the element is placed in its operating position, the floor and ceiling seals should extend (check for proper operation). In the end, move the telescopic element in its operating position and check the proper extension of the moving part and of the floor and ceiling seals.
NOTE: if the telescopic element is equipped with a manual safety push button, press and hold the button during the operation of the telescopic element.
6. with the partition **in the operating zone** move the command key switch on the **OPEN** position and wait for 1 long beep (unlocking signal). Check the proper retraction of the floor and ceiling seals and of the moving part, then move the element to the stacking zone. Check the proper retraction of each partition element and move it in the stacking zone.

ACOUSTIC AND LIGHT SIGNALS FOR MAXPARETE HSP MATIC VERSION

1 LONG BEEP: end of the element seals and moving part retraction/extension

1 SHORT BEEP: working not possible, i.e.:
- command switch on "CLOSE" with the element already in the operating configuration (seals extended)
- command switch on "OPEN" with the element already in the stacking configuration (seals retracted)
2 SHORT BEEPS: if the telescopic element is equipped with safety bars, indicates that an obstacle was found

3 SHORT BEEPS:generic error, i.e. safety bars already pushed

4 SHORT BEEPS:safety bars malfunction

INTERMITTENT PROLONGED BEEPS :

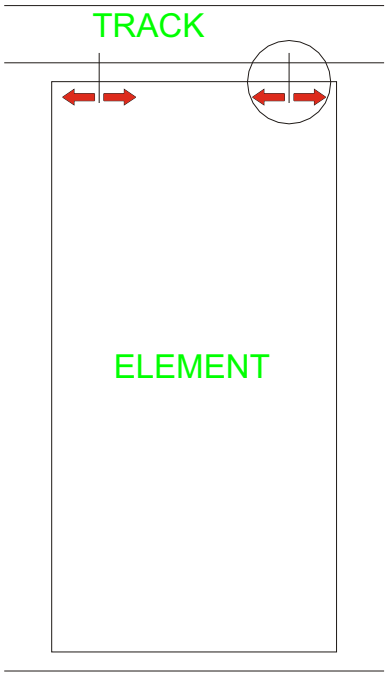
- a telescopic element with safety bars is closing

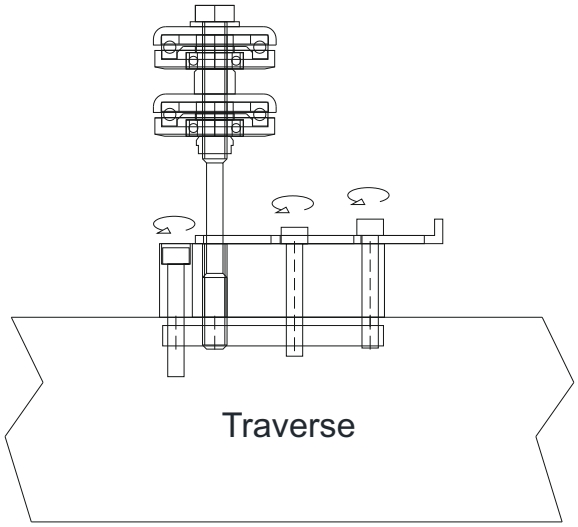
TO LOCK / UNLOCK THE SYSTEM, PUSH TOGETHER THE «OPEN» AND «CLOSE» BUTTON UNTIL THE BLINK OF THE BLUE LEDS.

Checking the Elements

ADJUSTING OR MOVING THE TROLLEY BEARINGS

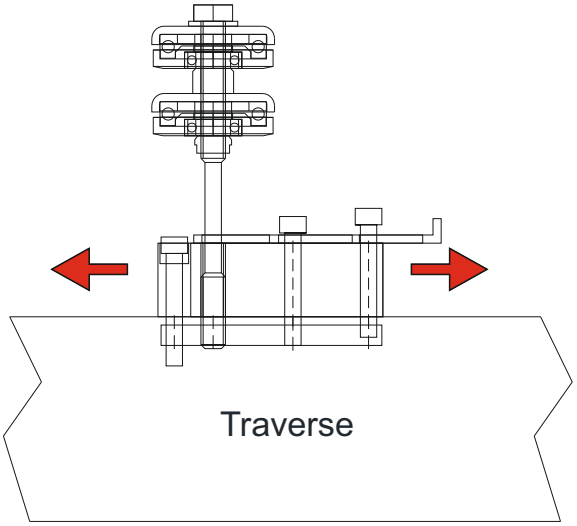
1)Unscrew the lateral bolts using allen key - DO NOT completely unscrew otherwise the element may fall down

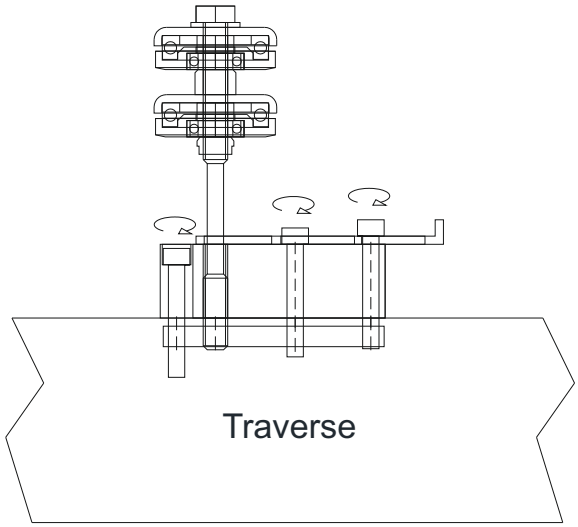




2) slide the trolley and the bearing to the new position

3) firmly lock the lateral bolts





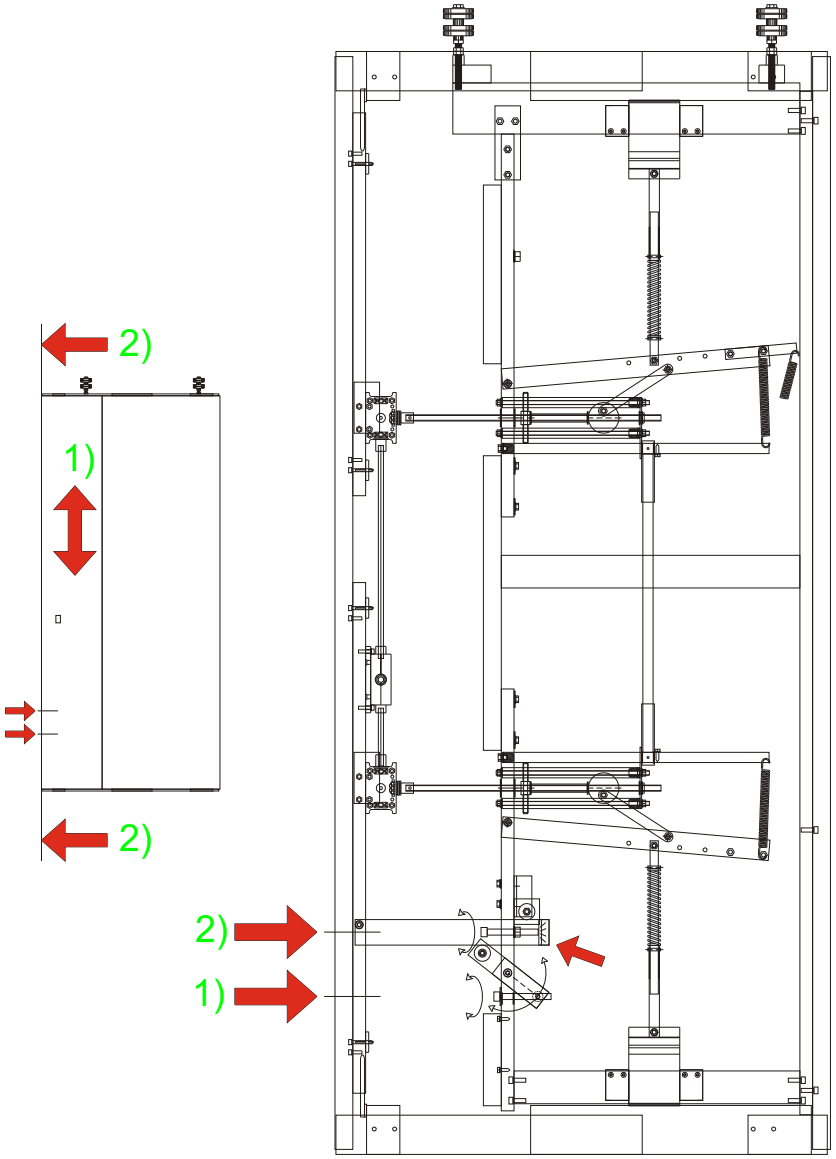
Checking the Elements

TELESCOPIC ELEMENT ADJUSTMENT

The telescopic element can be adjusted with regards on the moving part only. The adjustment screws can be accessed from the holes on the head profile (you should remove the closing gasket before proceeding):

1) **ADJUSTING THE MOVABLE HEAD HEIGHT** the moving part should move horizontally and parallel to the wall line all along its deployment

2) **HORIZONTAL MOTION MECHANICAL STOP** this should be carefully adjusted as it prevents the excess of horizontal force on the adjacent elements (and thus of e.g. deformation on the door uprights if present) or on adjacent windows, low-resistance elements etc. On MATIC version (su elementi MATIC o per chiusure speciali questa or in case of special telescopic elements there may be a second mechanical stop on the top of



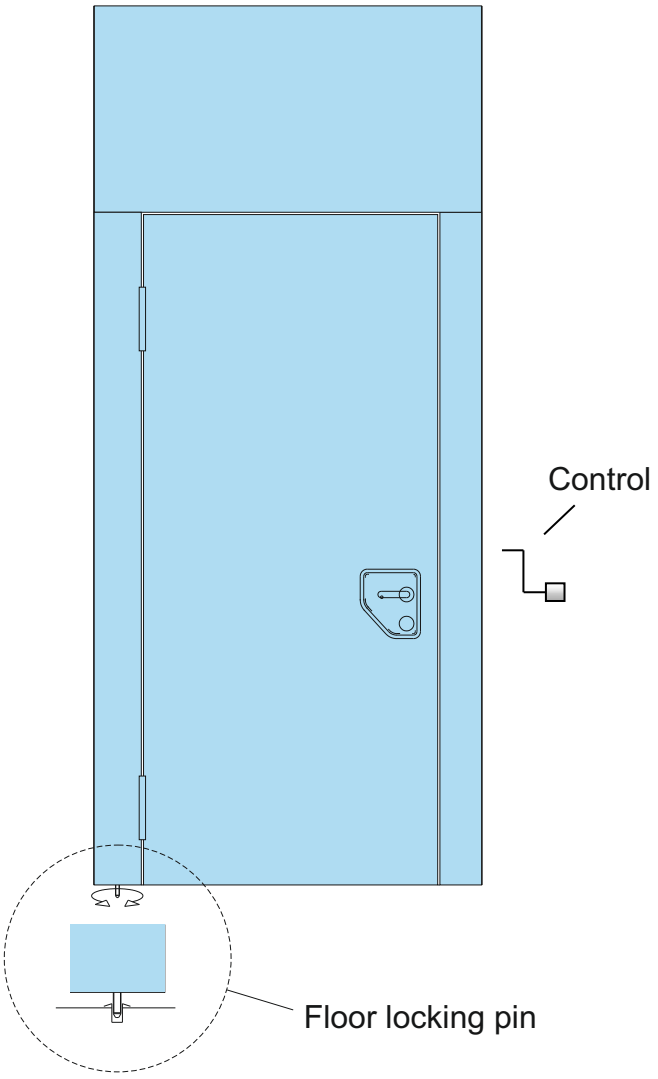
Checking the Elements

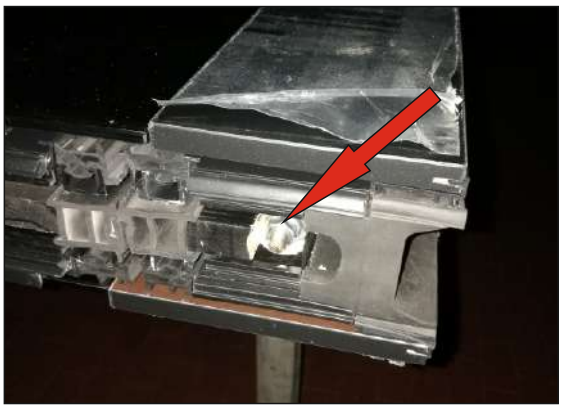
DOOR ELEMENT FLOOR LOCKING PINS

All door elements are equipped with floor locking pins. These are embedded in the lower side of the door uprights.

If a stronger coupling is required the locking pin can be extracted of about 10 mm (unlock the counternut before proceeding) and a floor socket can be placed in correspondence of the locking pin.

PAY ATTENTION TO THE EXACT POSITIONING OF THE FLOOR SOCKET WHICH SHOULD BE ALIGNED WITH THE ELEMENT OPERATING POSITION TO AVOID MISMATCHING.





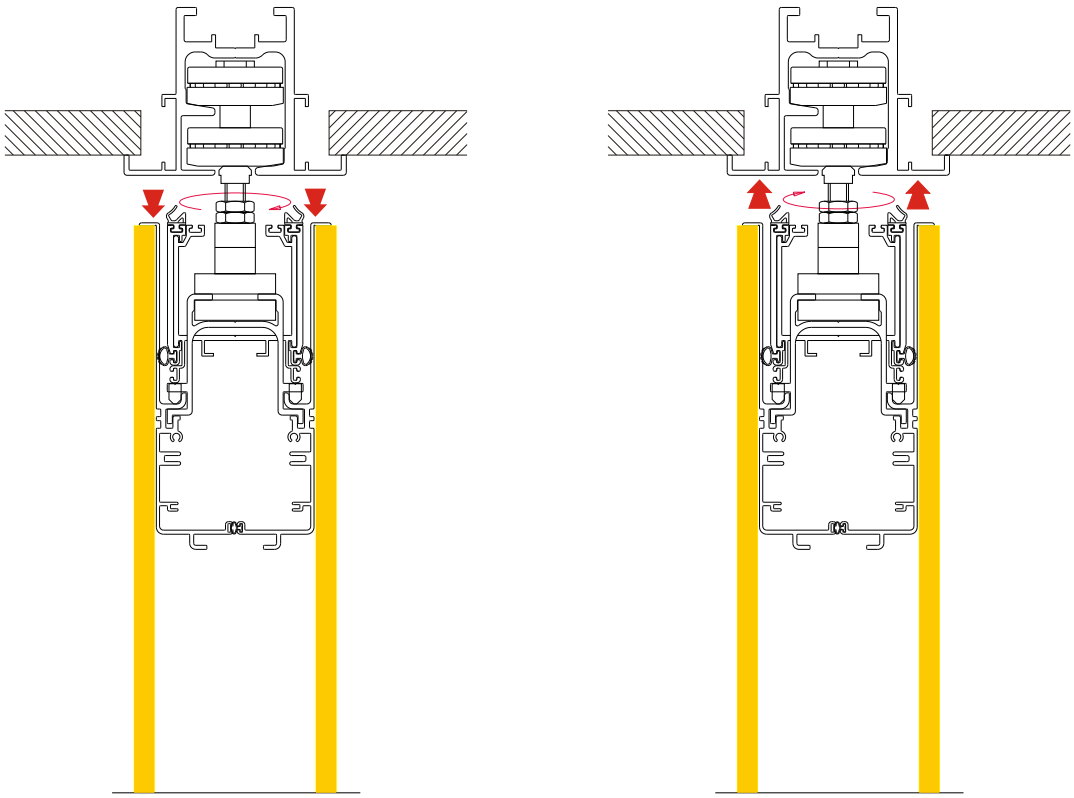
Locking pin (yet embedded)

Checking the Elements

MAXPARETE E-MOTION

Once the installation of the operable partition is completed, please check the installation accuracy and the proper functioning of the partition as follows:

1. Check the elements for vertical alignment. Alignment errors can be corrected for by adjusting the vertical distance between the track and the upper line of the element. This can be done acting on the trolley pins as depicted below. Remember that the vertical distance between the track and the upper edge of the finishing panel can be reduced of 10 mm and diminished of 20 mm. DO NOT EXCEED THE ABOVE INDICATED LIMITS OF ADJUSTMENT. In order to make the adjustement easier, unload the trolleys from the element weight by levering the element itself: **make sure to apply an evenly-distributed load as single-point load application may result in serious and irreversible gasket damage.**



2. Check the elements for vertical plumb: note that if the track and the vertical uprights were properly installed, this will result in perfect vertical plumb of the elements. Otherwise, check the track for perfect horizontal alignment (if necessary adjust as seen in track installing sheet) and the vertical uprights for plumb alignment (if necessary adjust as seen in uprights installing sheet).
3. Check if the elements are fully functional: the trolleys must easily slide into the track from the stacking to the operating zone, the floor and ceiling seals and the moving side of the telescopic element should properly expand and retract. If trolley sliding is difficult, try lubricating the track with the grease supplied together with the partiton. If floor or ceiling seals or the telescopic element don't work properly, and you cannot find why, please contact our Technical Departement.

Checking the Elements

4. VERIFY THAT ALL ELECTRICAL CONTACTS ON VERTICAL PROFILES ARE ALIGNED AND CLEAN (TO CLEAN CONTACTS USE SOLVENT FOR CONTACTS)
5. with the partition **in the stacking zone**, move the command key switch on the **CLOSE** position, then move the elements to the operating zone one by one : once the element is placed in its operating position, the floor and ceiling seals should extend (check for proper operation). In the end, move the telescopic element in its operating position and check the proper extension of the moving part and of the floor and ceiling seals.
NOTE: if the telescopic element is equipped with a manual safety push button, press and hold the button during the operation of the telescopic element.
6. with the partition **in the operating zone** move the command key switch on the **OPEN** position and wait for 1 long beep (unlocking signal). Check the proper retraction of the floor and ceiling seals and of the moving part, then move the element to the stacking zone. Check the proper retraction of each partition element and move it in the stacking zone.

ACOUSTIC AND LIGHT SIGNALS FOR MAXPARETE HSP MATIC VERSION

1 LONG BEEP: end of the element seals and moving part retraction/extension

1 SHORT BEEP: working not possible, i.e.:
- command switch on "CLOSE" with the element already in the operating configuration (seals extended)
- command switch on "OPEN" with the element already in the stacking configuration (seals retracted)
2 SHORT BEEPS: if the telescopic element is equipped with safety bars, indicates that an obstacle was found

3 SHORT BEEPS:generic error, i.e. safety bars already pushed

4 SHORT BEEPS:safety bars malfunction

INTERMITTENT PROLONGED BEEPS :

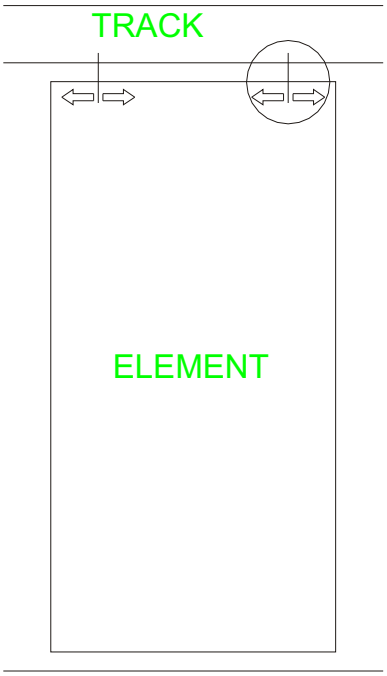
- a telescopic element with safety bars is closing

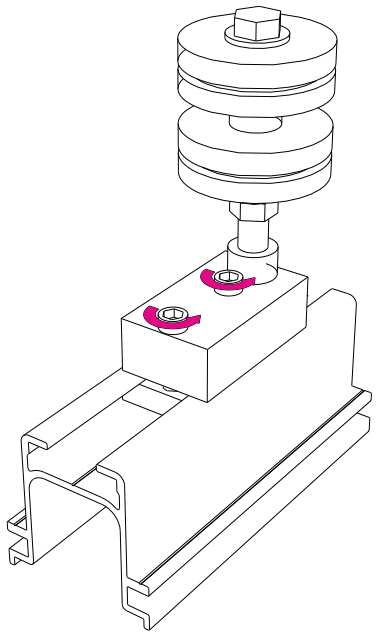
TO LOCK / UNLOCK THE SYSTEM, PUSH TOGETHER THE «OPEN» AND «CLOSE» BUTTON UNTIL THE BLINK OF THE BLUE LEDS.

Checking the Elements

ADJUSTING OR MOVING THE TROLLEY BEARINGS

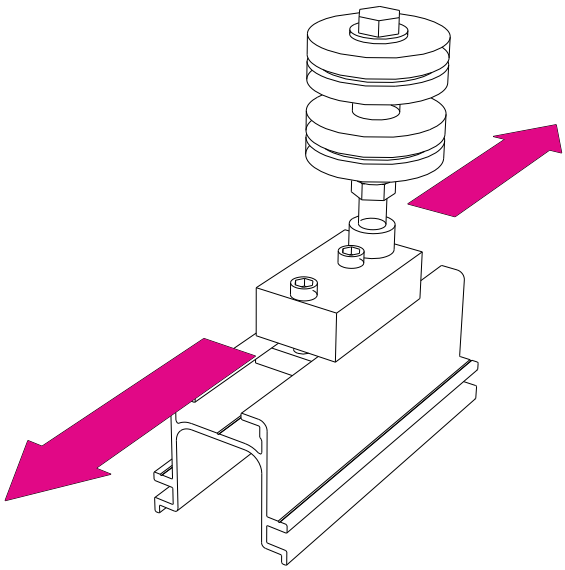
1) Unscrew the lateral bolts using allen key - DO NOT completely unscrew otherwise the element may fall down

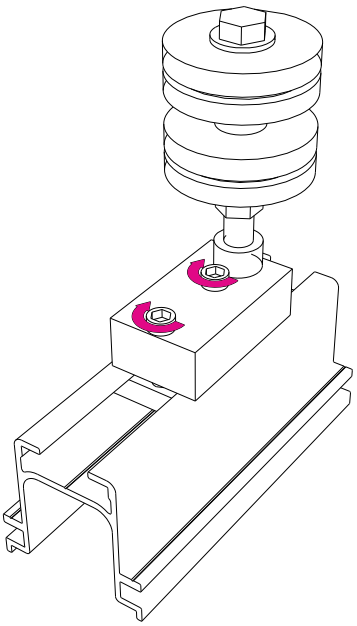




2) slide the trolley and the bearing to the new position. **DO NOT exceed the limits** of the aluminium profile where the bearing is fixed

3) firmly lock the lateral bolts





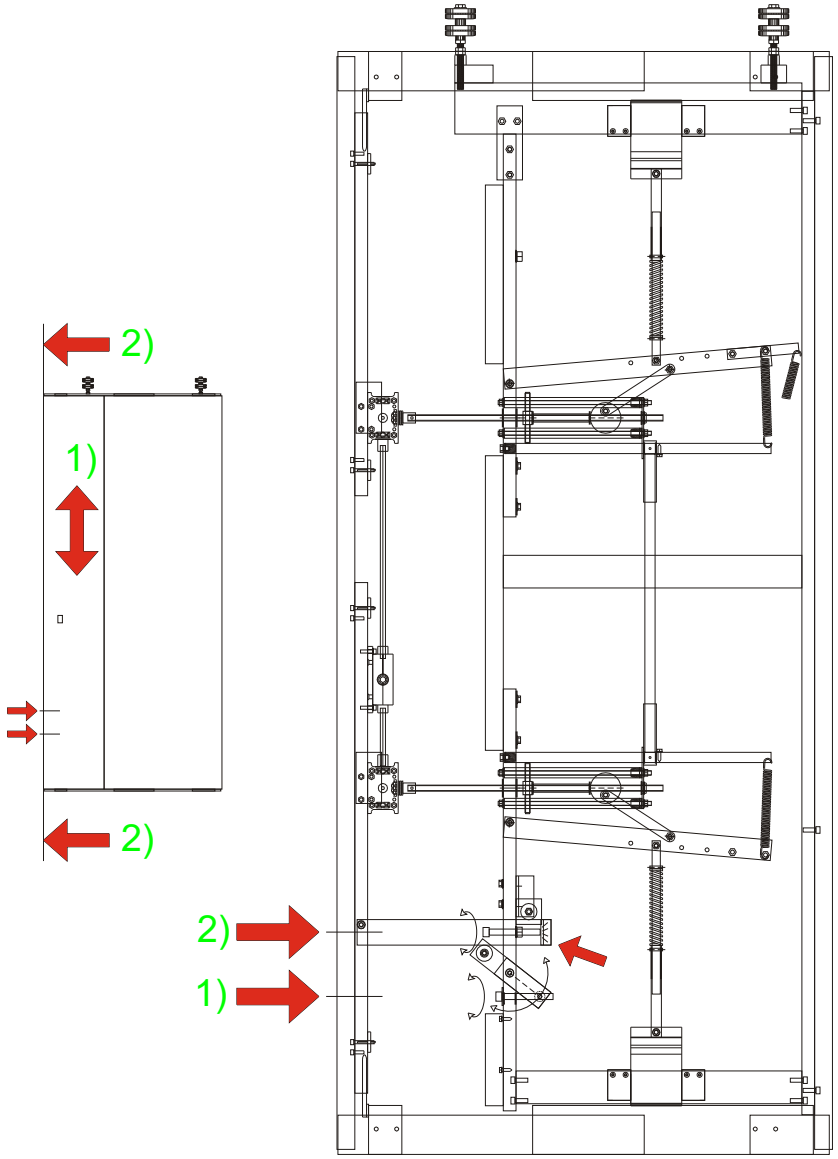
Checking the Elements

TELESCOPIC ELEMENT ADJUSTMENT

The telescopic element can be adjusted with regards on the moving part only. The adjustment screws can be accessed from the three holes on the head profile:

1) **ADJUSTING THE MOVABLE HEAD HEIGHT** the moving part should move horizontally and parallel to the wall line all along its deployment

2) **HORIZONTAL MOTION MECHANICAL STOP** this should be carefully adjusted as it prevents the excess of horizontal force on the adjacent elements (and thus of e.g. deformation on the door uprights if present) or on adjacent windows, low-resistance elements etc.



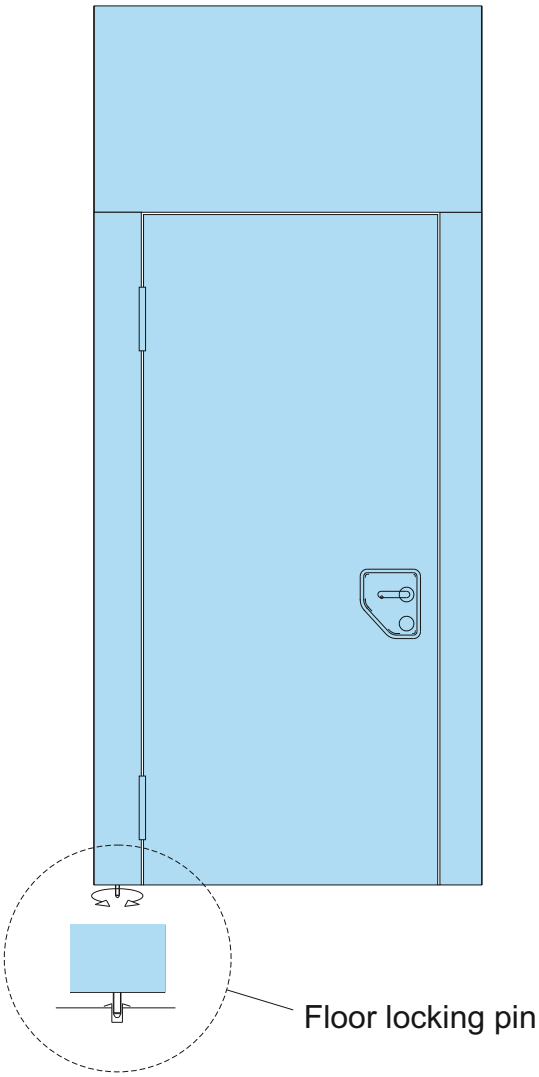
Checking the Elements

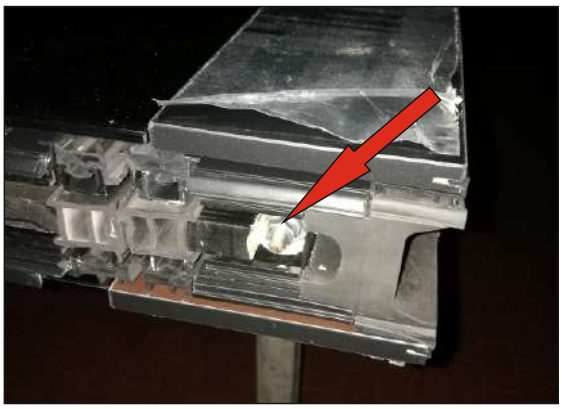
DOOR ELEMENT FLOOR LOCKING PINS

All door elements are equipped with floor locking pins. These are embedded in the lower side of the door uprights.

If a stronger coupling is required the locking pin can be extracted of about 10 mm (unlock the counternut before proceeding) and a floor socket can be placed in correspondence of the locking pin.

PAY ATTENTION TO THE EXACT POSITIONING OF THE FLOOR SOCKET WHICH SHOULD BE ALIGNED WITH THE ELEMENT OPERATING POSITION TO AVOID MISMATCHING.





Locking pin (yet embedded)

Checking the Elements

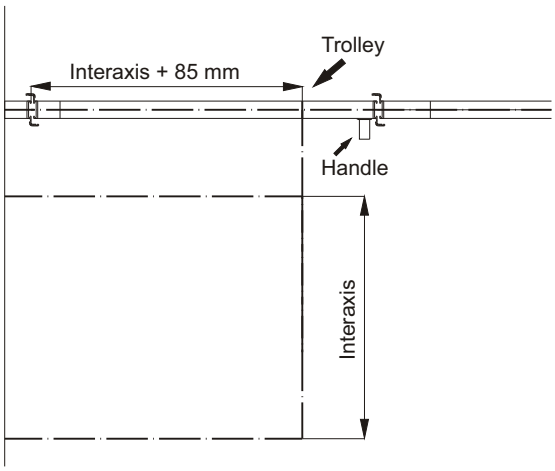
DOMINO

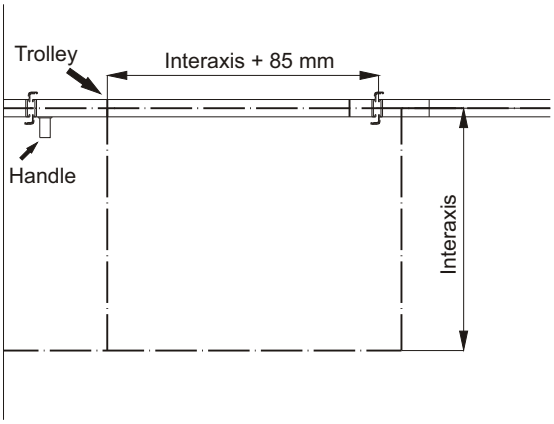
Verify the correct working of all wall elements setting them in working position as follows:

Standard Elements (with male/female or male/rabbet profiles):
Lean projecting blocks to starting jamb or to previous element, then push to full profile connection and opening of acoustic upper and lower mobile seals.

To unlock element, easily pull from previous element.
Standard seal stroke is 25 mm, but they can compensat gaps from 10 to 30 mm. Verify anyway the seal correct working, stability (when in position, the element must remain there permanently) and resistance to cross sectional push (when in standard conditions, each seal can give a 20 kgf vertical push, enough to this purpose).

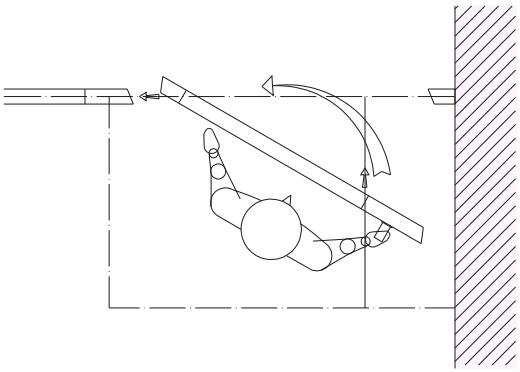
Closure Element
Verify that following dimensions are, net of any obstacle (on scheme the two most common situations, depending by handle position):

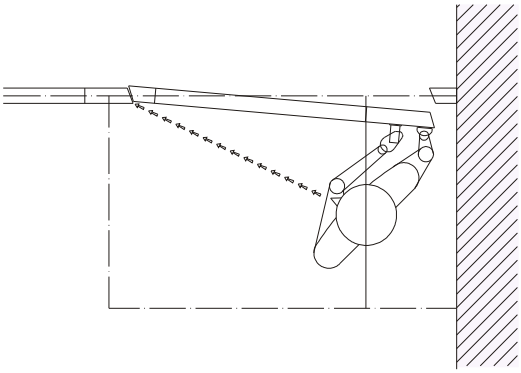




Checking the Elements

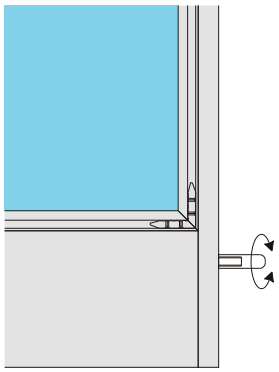
To easily close the gap, lean operation pins (on vertical profile of handle opposite side) on the plugs set on rabbet jamb or on penultimate element, the one without lock striking plate; complete sliding-revolving movement of element until lock release.





Closure element (as door closure element and the door of passage door element) has a regulation system of closure seal.

By screwing / unscrewing the operation pin it is possible to shift the seal stroke starting point, if necessary to compensate great gaps (take care to not exceed, setting seal position too external and causing a not correct sliding of element itself).



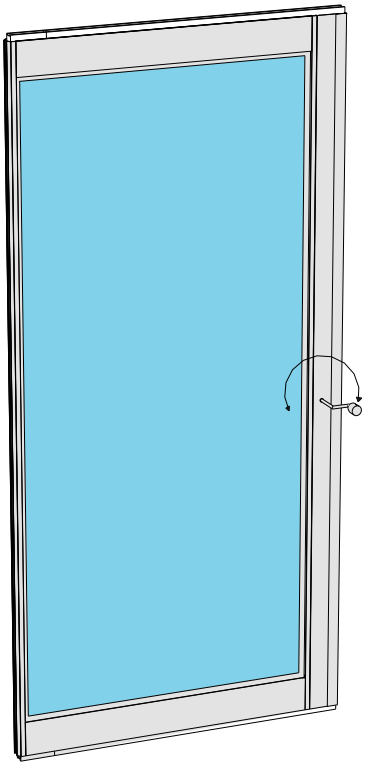
Checking the Elements

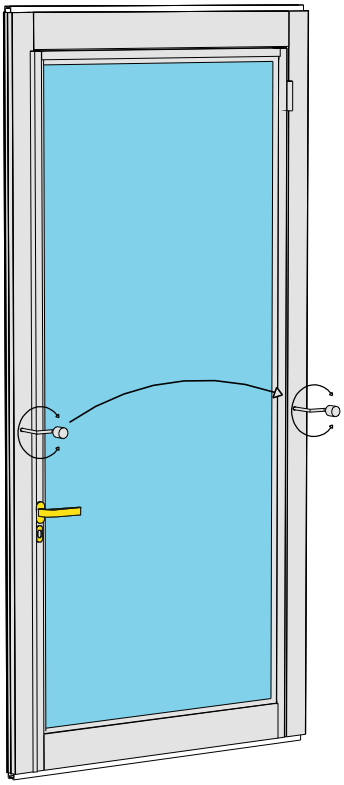
Telescopic element

Set the element in its position, then operate the mobile shoulder with the control removable handle, until the end of closure movement.
The closure movement is distinguished in two separate movements:

1. horizontal extension and closure against concrete wall
2. vertical extension and closure against flooring and rail track.

During opening the sequence will be inverted.





Single Pass Door Element

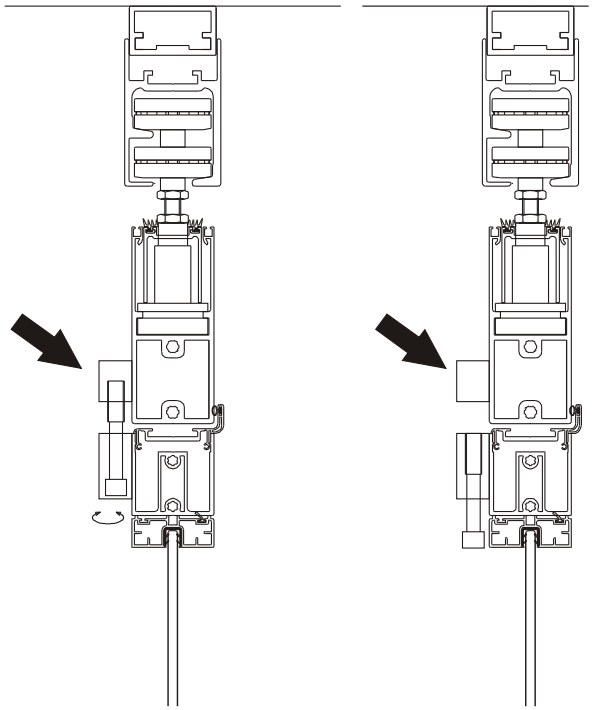
Set element in position, then act on both controls set on element legs with the control removable handle (act first on control into leg opposite to vertical profile connection, then act on second control before opening the door).

We suggest to extend and close all elements before acting on door legs.

Checking the Elements

Double Pass Door Element

Set element in position, then act on both controls set on element legs with the control removable handle. To lock / unlock door leaves, act on screws on upper traverse blocks (fig). To lock / unlock secondary leaf, act on lever embedded into vertical rabbet profile . Unlock every time the secondary leaf with spring; the lock is automatical when the door leaf is set in position.



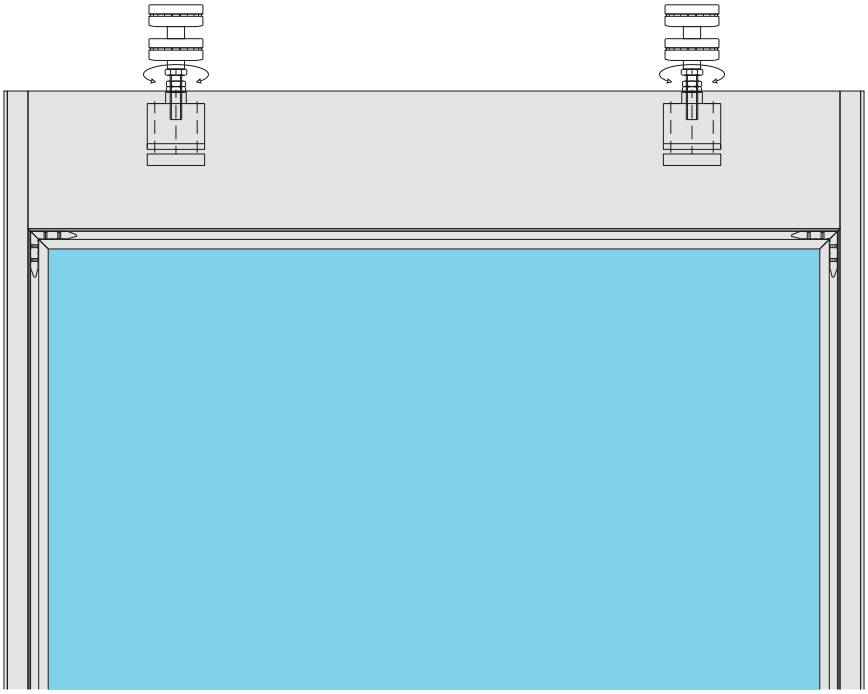
<u>We suggest to extend and close all elements before acting on door legs.</u>

All the elements - Verification of sliding
Verify each element in its sliding on track and parking areas; if necessary, lubricate track internal plans with mineral grease.

For any question/doubt please contact our Technical Dept.

TROLLEY REGULATION

If necessary (for example, if elements are not perfectly aligned), a fine regulation in height of each element is possible acting on trolley screws (5 mm up, 10 mm down): pay attention in maintaining in any case enough space for mobile seals correct working.



Checking the Elements

EXTESA

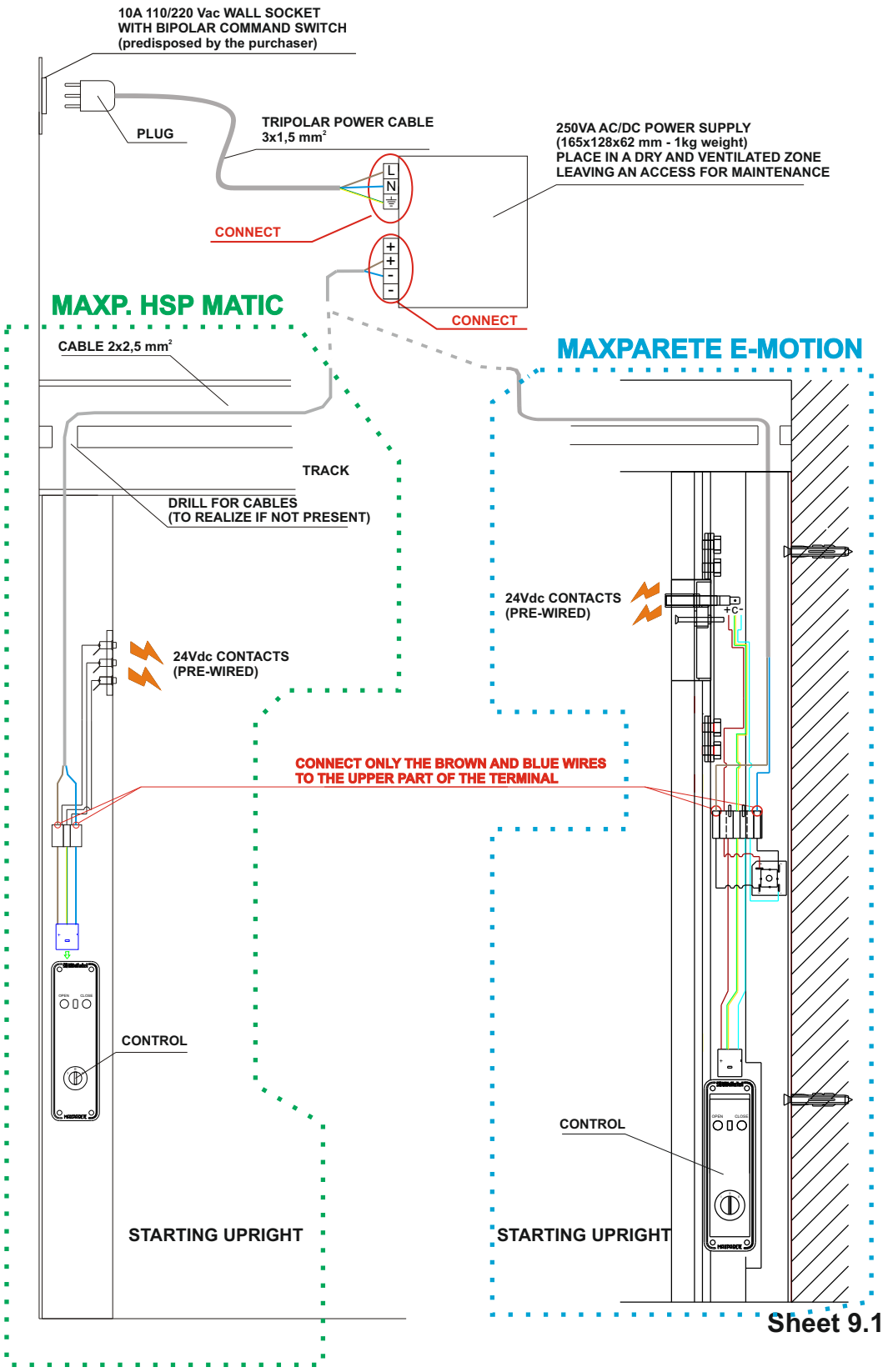
To adjust and align the elements, act on the trolley screws.

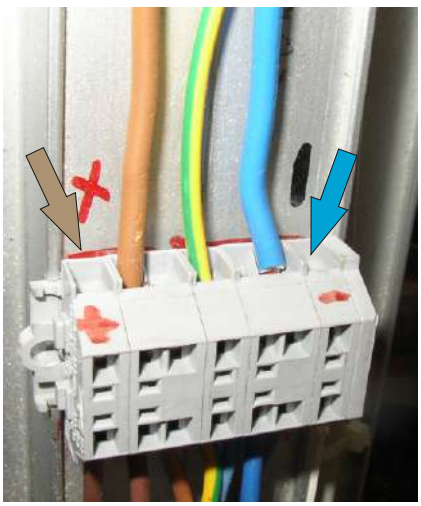
In the case of misalignment of one crossbar:

- adjust the upper crossbar by means of the trolley bolts
- pull the lower crossbar from the glass panel, unscrew and move the plastic sleeves (± 0.5 mm); reset and reassemble.

Electrical Wirings and Testing (electronic versions only)

Prior to the installation, a 10A 110/220 Vac wall socket with bipolar command switch should be predisposed (by the purchaser), within a 2-3 m range from the upper rail track of the upright.





Electrical Wirings and Testing (electronic versions only)

WIRINGS DURING TRACK INSTALLATION

During track installation you should put in place the electric feeder and its connection cables, as explained hereafter:
- place the 24Vdc-240VA feeder (dimensions 165x128x68 mm, weight 1 kg) in the false ceiling near the track, in a dry and well-ventilated position, **please check that the chosen position accessibility, thus simplifiying possibly required feeder maintenance;**
- connect the tripolar cable to the feeder, using the feeder clamps. Please use the standard connection conventions (brown cable = line; blue cable = neutral; green/yellow cable = ground);
- if not present, drill a hole (diameter > 10 mm) on the track end, in correspondence to the starting command upright to allow the cable connection between the command switch and the feeder;
- Connect the bipolar 2x2,5 mm^2 cable to the feeder, using the following rule:
BROWN cable on the NEGATIVE (-) clamp of the feeder
BLUE cable on the POSITIVE (+) clamp of the feeder
Pass the cable within the track hole and leave it in place.

WIRINGS DURING UPRIGHT INSTALLATION

The upright electrical wiring should be done BEFORE mounting the front and rear parts of the upright itself.
Pay attention in order to avoid damages to the control panel on the upright lateral finishing panel.

Connect the bipolar 2x2,5 mm^2 cable to the upper command clips, using the following rule:
- **BROWN cable with BROWN cable**
- **BLUE cable with BLUE cable**

Connect the tripolar 3x1,5 mm^2 cable to its socket and to the feeder using the following rule:
- **BROWN cable on connector L (LINE)**
- **BLUE cable on connector N (NEUTER)**
- **GREEN/YELLOW cable on connector GND (GROUND)**

Fix the cables with plastic ties to avoid movement during working.
Join the front and rear part of the upright as seen in the upright mounting instructions.

PAY ATTENTION: CONNECTION TO ELECTRICAL NETWORK (!)

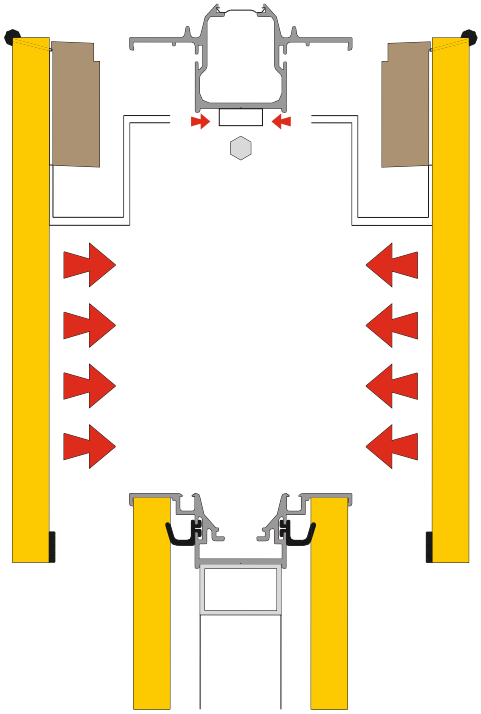
1) If necessary switch off electrical power to every equipment in the nearby not necessary to installation.
2) Verify that electrical socket is switched off when it is time to connect.
3) Connect the plug to the socket.
4) Set power on and verify correct working.

Electrical Wirings and Testing (electronic versions only)

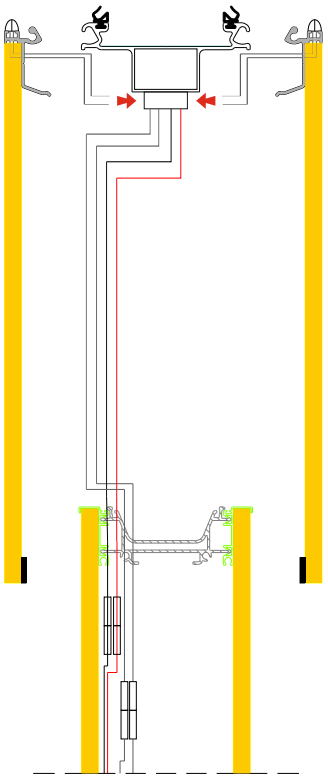
NOTE 1: TELESCOPIC ELEMENT (IF SUPPLIED WITH SEPARATED PANELS)

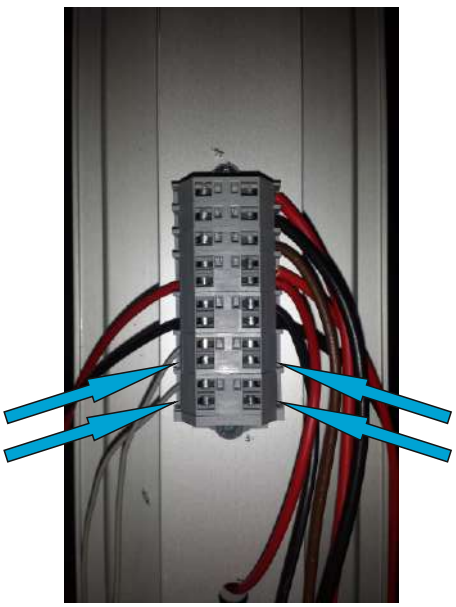
Before assembling the moving head finishing panels on the element, connect the cables (nr.2 of 1 mm^2 section) to the connection plugs:

MAXPARETE HSP MATIC



MAXPARETE E-MOTION

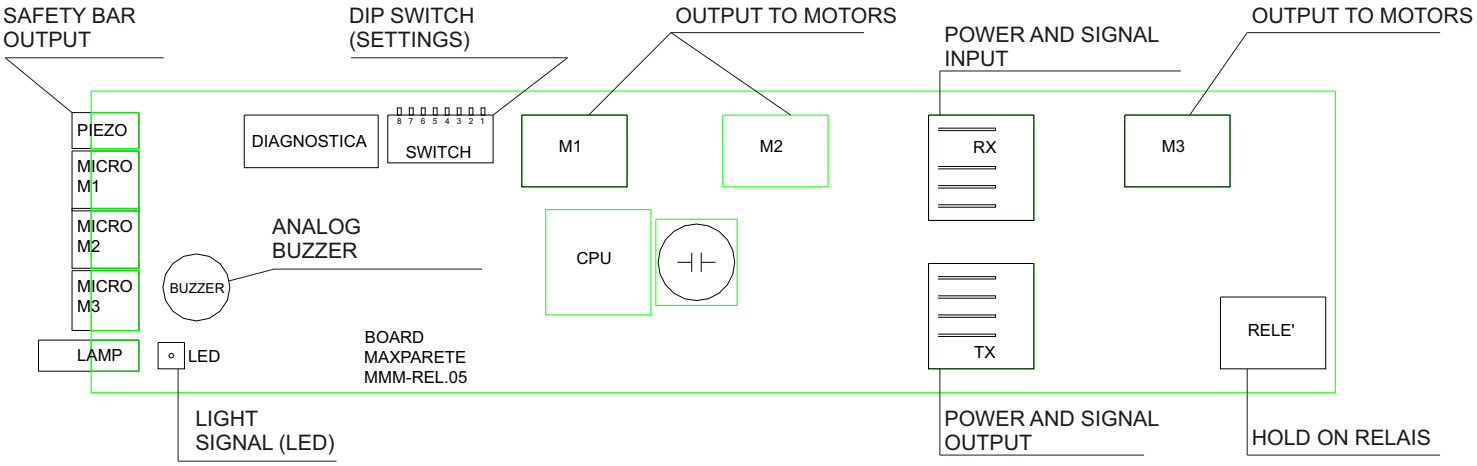




Electrical Wirings and Testing (electronic versions only)

NOTE 2: ELEMENT TYPE SETTING ON THE COMMAND BOARD

The element type can be set on each command board using the setting switches:



MOST COMMON DIP SWITCH CONFIGURATIONS								
SW1	**SW2**	**SW3**	**SW4**	**SW5**	**SW6**	**SW7**	**SW8**	
OFF	OFF	OFF	OFF	OFF	**ON**	OFF	OFF	Standard working for Matic **Standard** elements and all **Doors** (elements with 1 motor)
OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF	Standard working for E-Motion **Standard** elements and all **Double Pass Doors** (elements with 2 motors)
ON	OFF	OFF	OFF	OFF	**ON**	OFF	OFF	Working with safety bars (**Telescopic** elements)
OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF	Stop with reduced motor torque (if excessive effort for motor – 1 motor version)
OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF	Stop with reduced motor torque (if excessive effort for motor – 2 motors version)

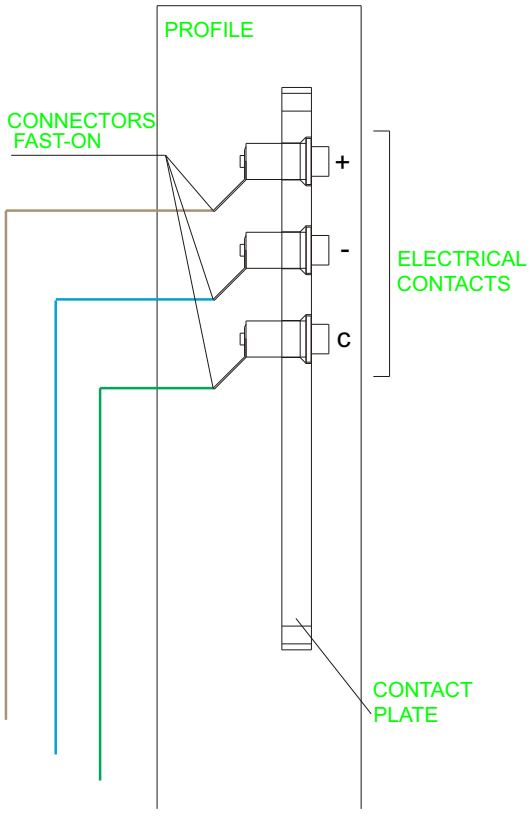
Electrical Wirings and Testing (electronic versions only)

NOTE 3: T-JUNCTION UPRIGHT

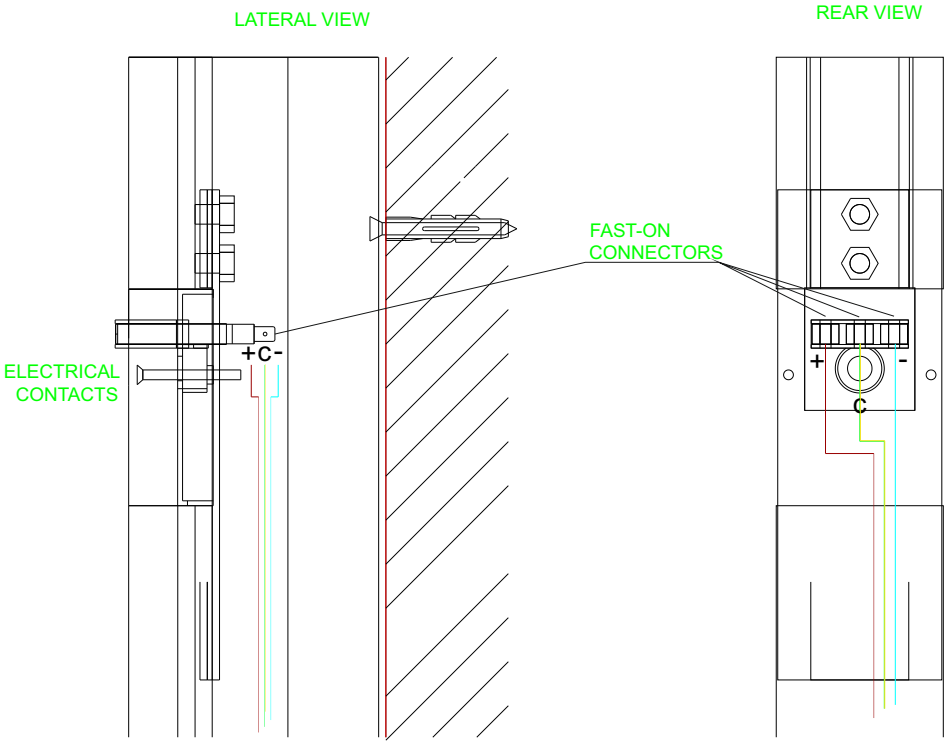
For T-junction uprights the electrical wirings are the same as the ones for the starting upright, and the following rules should be appled (note that the electical contacts are labeled on the contact plate as depicted):

CONTACT "+": **BROWN CABLE (+)**
CONTACT "-": **BLUE CABLE (-)**
CONTACT "C": **GREEN CABLE (SIGNAL)**

MAXPARETE HSP MATIC

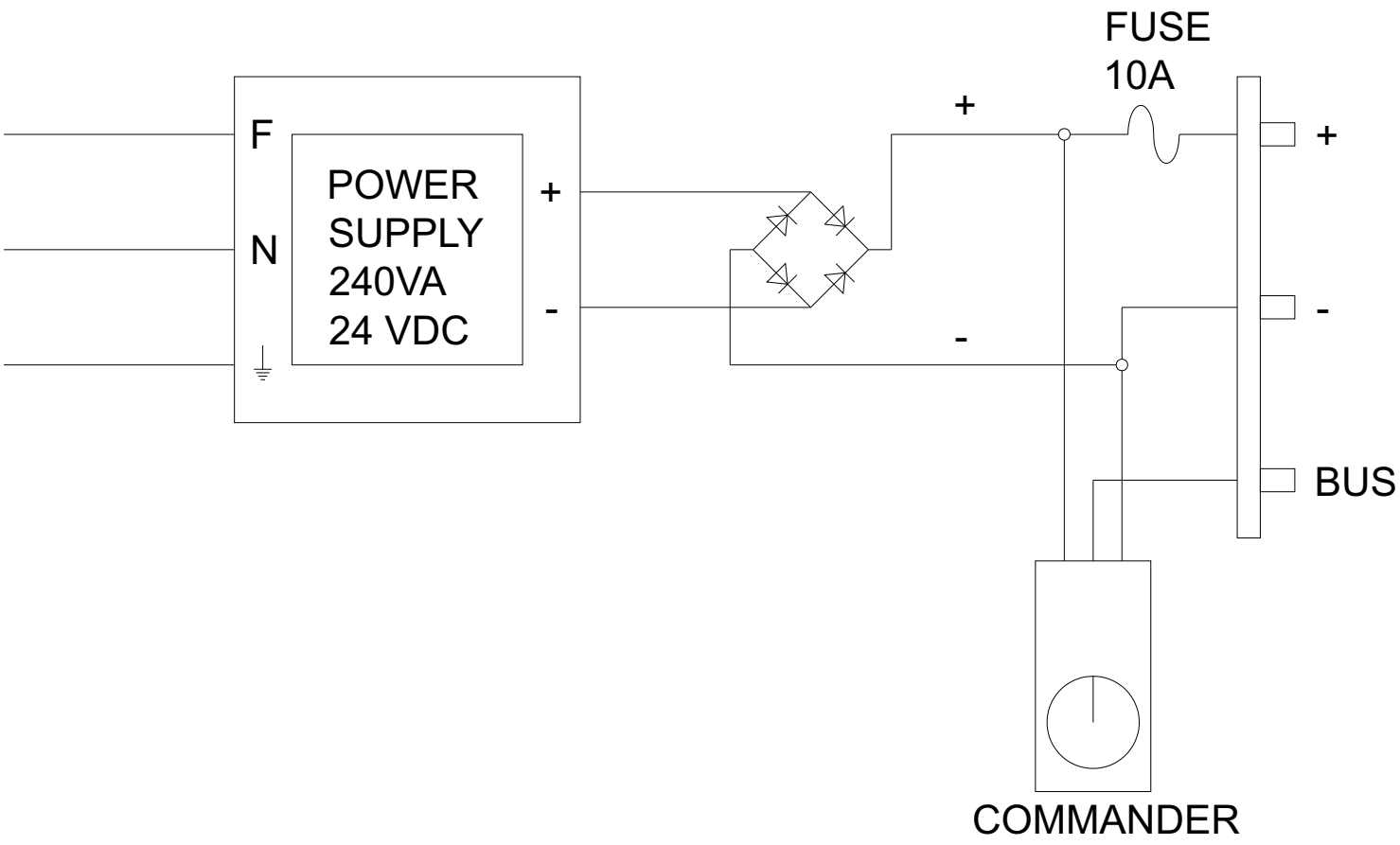


MAXPARETE E-MOTION



Electrical Wirings and Testing (electronic versions only)

ELECTRICAL WIRINGS - SCHEME



CAUTION: IN CASE OF HANDLING OF MOTORS (!)

1) Disconnect each cable before service and disable any unnecessary equipment for operation
2) Fixed control devices must be installed so that they are visible
3) Use only IG32 Gear 1/51 motors for standard elements and IG52 Gear 1/53 for door and telescopic elements
4) Use only IG32 Gear 1/100 motors for standard elements series H, IG52 Gear 1/100 for telescopic elements series H and IG52 Gear 1/53 for door elements series H

User's Instructions

MAXPARETE HSP

MOVING THE ELEMENTS
- Always take care when moving the elements, in particular when passing along track branching. ALWAYS check that no obstacles are on the element way (thus you will avoid damaging the elements and any danger to the operator);
- When moving the wall to the stacking zone, always move the elements **one by one** taking them to the designed stacking zone. Also remember to **lock the external element**;
- For 1-trolley elements **TO AVOID OVERLOADING THE TRACK DO NOT STACK THE ELEMENTS OUT OF THE STACKING AREA**
- When deploying the wall move the elements **one by one** check the external profile alignment then close each element (i.e. extract the seals) BEFORE moving the following element;
- Single pass door elements should ALWAYS be moved **with the door closed and locked with the key**;

LOCKING AND UNLOCKING THE ELEMENTS
The locking and unlocking operations can be done either manually (using the hexagonal key supplied with the wall) or authomatically (using the electronic command switch - for MATIC version).

MANUAL OPERATION
- Always check the regular extraction/retraction of the upper and lower seals
- Telescopic elements should ALWAYS be operated until the limit
- To close single door pass elements put the element in place, push the floor locking pin, then drive the command gear on female profile (the upper seal and the female-profile-side upright lower seal will extract). After that, open the door and work on the command gear on the upright (the male-profile-side lower seal will extract), and finally activate the automatic door seal by opening and closing the door leaf the first time. To open the element revert the order of the operations.
- To lock/unlock the elements with double pass door work on the command gears on the finishing panels.

AUTOMATIC OPERATION (MATIC) - IMPORTANT
To prevent injury to users and to avoid damaging the partition, use only the supplied handle with hexagonal profile.
DO NOT use drills, automatic screwdrivers or other devices to operate the system.

CLEANING THE ELEMENTS
Use a damp (never wet) cloth and, if necessary, cleaning products: ALWAYS check if the product is suitable for the finishing of your elements.

User's Instructions

MAXPARETE E-MOTION

PLACING THE ELEMENTS ALONG THE OPERATING AXIS
Start with the wall in the stacking area; on the starting upright push **"CLOSE"** button, then drive the elements in the operating position **one by one** following the element order as defined in the project drawings: once placed the element, wait for the floor and ceiling seals complete extension (indicated by **one long beep**).
The telescopic element is the last one to be put in place: wait for the complete extraction of the moving head (the head extraction is indicated by **intermittent beeps**) and the the floor and ceiling seals complete extension (indicated by **one long beep**).

PLACING THE ELEMENTS IN THE STACKING AREA
Start with the wall set along the operating axis; on the starting upright push the **"OPEN"** button, then wait the telescopic elements floor and ceiling seals complete retraction and the moving head retraction (indicated by **one long beep**), finally place the telescopic element in the stacking area. Then place the other elements in the stacking area: before moving each element, wait for the floor and ceiling seals complete retraction (indicated by **one long beep**). Please move the elements **one by one** ALWAYS placing the elements in the stacking areas, following the element order as stated in the project drawings.
For **single trolley elements, DO NOT STACK THE ELEMENTS OUTSIDE THE DESIGNED STACKING AREA**

WARNINGS
Always move the elements carefully, in particular when passing along track branching. ALWAYS
check that no obstacles are on the element way (thus you will avoid damaging the elements and any danger to the operator)

Elements with **single pass door** should **ALWAYS** be moved **with the door key locked**. Act the locking pins (if installed) befor going on with elements positioning and before removing the element to take it to the stacking area.

MANUAL LOCKING/UNLOCKING OF THE STANDARD ELEMENTS
In case of voltage failure, the standard elements can be manually locked/unlocked acting on the locking/unlocking points on the female profile upper and lower side using the hexagonal command key supplied with the partition, as depicted.

MANUAL LOCKING/UNLOCKING OF THE TELESCOPIC ELEMENTS
In case of voltage failure, the telescopic elements can be manually locked/unlocked acting on the locking/unlocking points on the moving head command side (for the moving head retraction) and on the female profile upper and lower side using the hexagonal command key supplied with the partition.

CAUTION
To prevent injury to users and to avoid damaging the partition, use only the supplied handle with hexagonal profile.
DO NOT use drills, automatic screwdrivers or other devices to operate the system.

User's Instructions

Resume of the acoustic and light signals:
1 LONG BEEP: the extraction/retraction of the seals and of the moving head of the telescopic element completed succsessfully
1 SHORT BEEP: operation not allowed e.g.:
- command selector on "CLOSE" position with seals already extracted
- command selector on "OPEN" position with seals already retracted
2 SHORT BEEPS: an obstacle was detected from the piezoelectric safety gaskets on the moving head
3 SHORT BEEPS: generic error (contact our technical dept.)
4 SHORT BEEPS: piezoelectric safety gasket malfunctioning

CLEANING THE ELEMENTS
Use a damp (never wet) cloth and, if necessary, cleaning products: ALWAYS check if the product is suitable for the finishing of your elements.

For any question please contact our technical department.

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