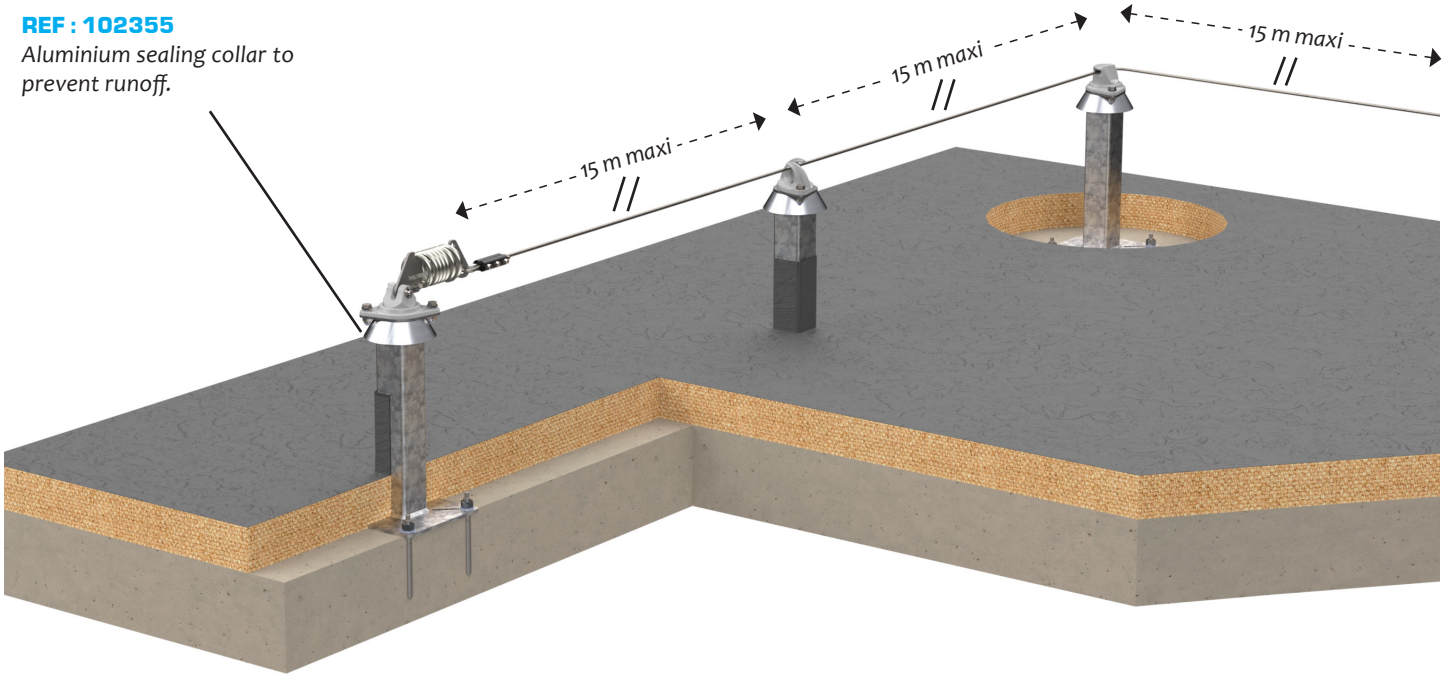
Horizontal lifeline elements

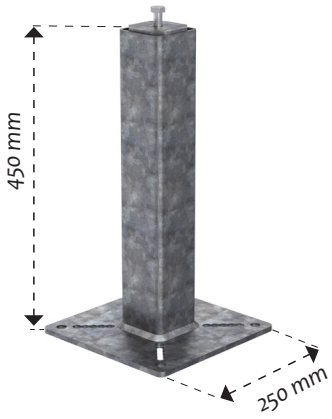
Compatibility: ***SECURIFIL® alu V3*** ; ***inox V3*** ; ***automatique*** / ***SECURILIGNE®*** / ***SECURIFIX®***

Fixation for concrete support

The horizontal lifeline is installed on a post when the lifeline secures a roof equipped with insulation / waterproofing.
The post allows the cable to pass through this complex to reach the roof structure or the slab.
The posts are also used to raise the cable by about 50 cm to facilitate the use of the lifeline.

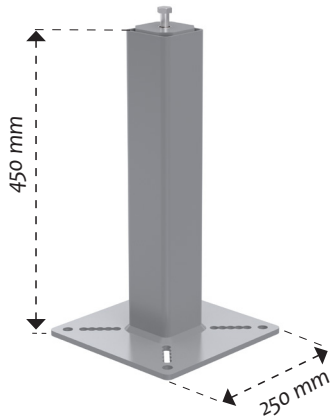
REF : 102355
Aluminium sealing collar to prevent runoff.





REF : 102361
Standard galvanized steel post for the end, angular and intermediate part of lifeline.

80 x 80 mm tube
Height: 450 mm
Centre distance: 200 x 200 mm (mounting slot centre distance 100 to 200 mm)
Fastening: 4M12



REF : 102474
Standard stainless steel post for the end, angular and intermediate part of lifeline.

80 x 80 mm tube
Height: *450 mm*
Centre distance: *200 x 200 mm (mounting slot centre distance 100 to 200 mm)*
Fastening: *4M12*

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Phone : +33 (0)4 77 40 54 38
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Fixation on post

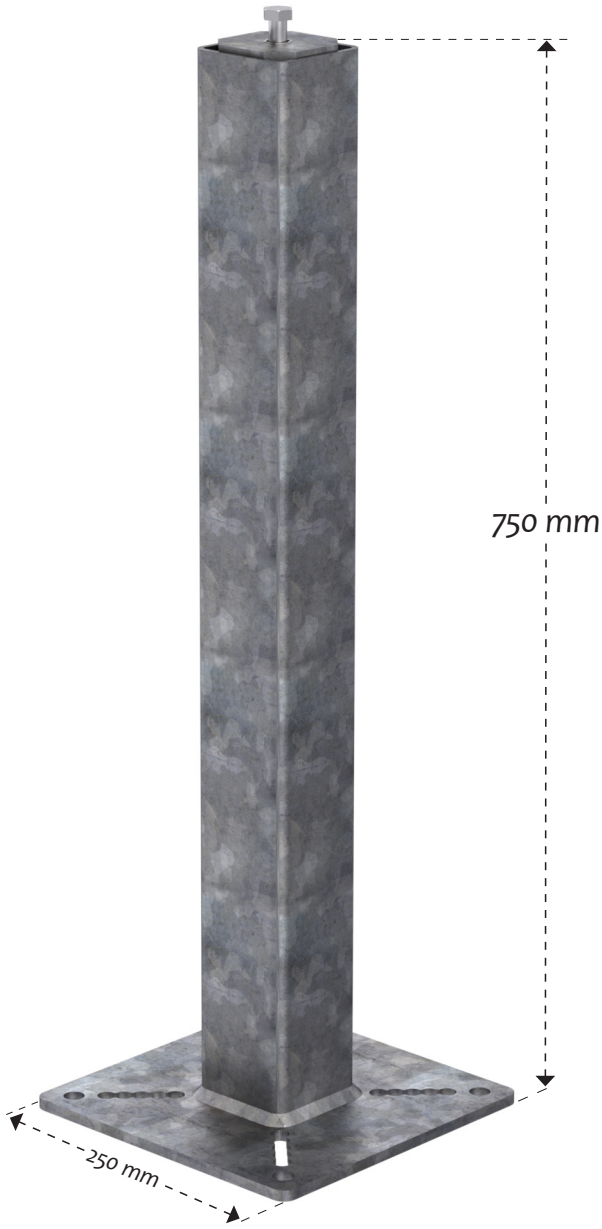
Standard posts of 750 mm

These frequently requested 750 mm high posts are now standardised.

REF : 102389

Standard galvanised steel post for end points and angular part for lifeline.

Tube 80 X 80 mm.
Height: *750 mm*
Spacing: *200 x 200 mm (from 100 to 200 mm)*
Fixing: *4 M12*



REF : 102392

Standard galvanised steel post for intermediate parts of lifeline.

Tube 80 X 80 mm.
Height: *750 mm,*
Spacing: *200 x 200 mm (from 100 to 200 mm)*
Fixing: *4 M12*

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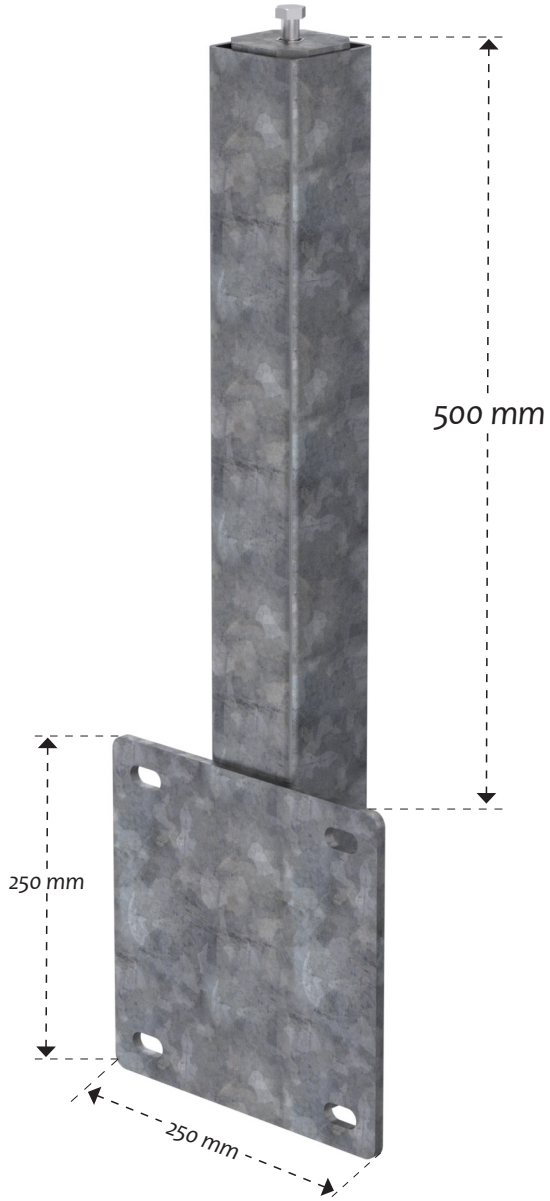
Fixation on post

Standard surface-mounted posts

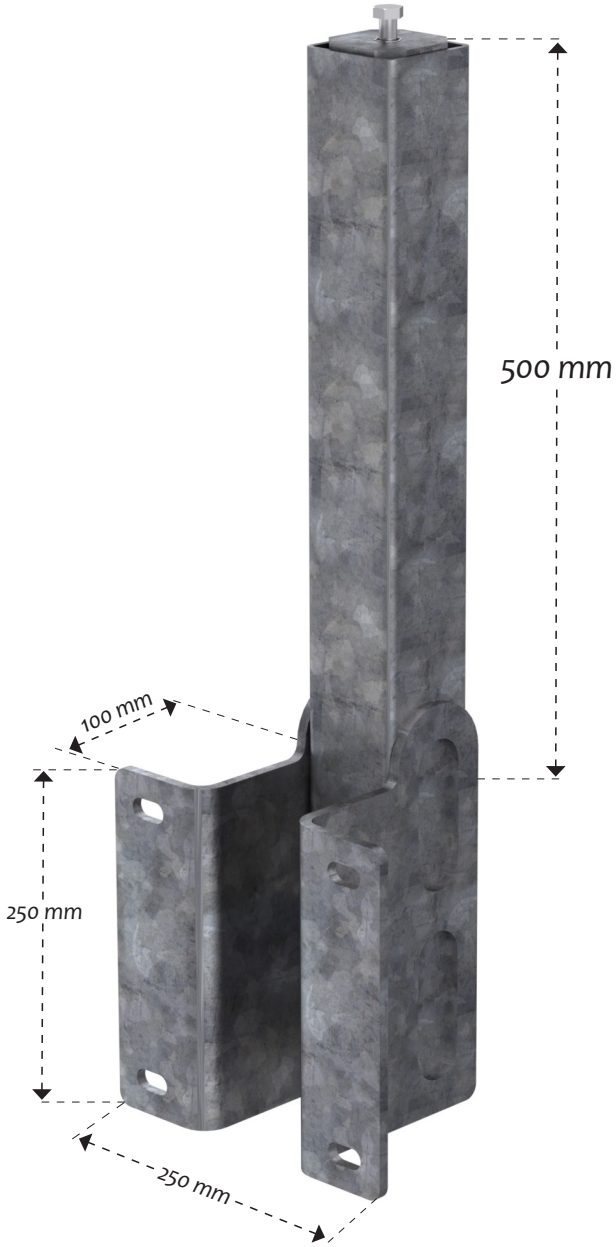
These frequently requested 750 mm high posts are now standardised.



REF : 102383

Standard galvanised steel post for end, angular and intermediate parts of lifeline.

Tube 80 X 80 mm.
Height: *500 mm*
Spacing: *200 x 200 mm*
Fixing: *4 M12*



REF : 102395

Standard galvanised steel post for end, angular and intermediate parts of lifeline.

Tube 80 X 80 mm.
Height: *500 mm*
Offset: *100 mm*
Spacing: *200 x 200 mm.*
Fixing: *4 M12*

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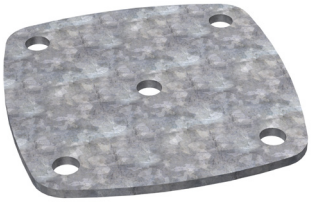
Fixation on post

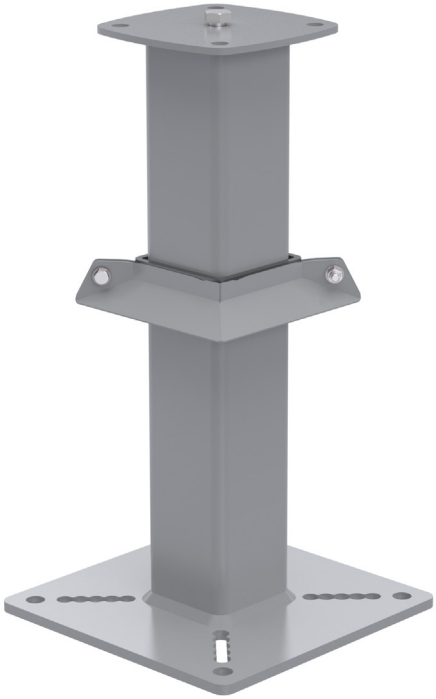
Posts with removable collar

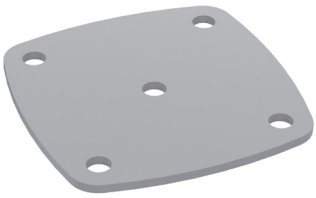
Removable collars are also available to create the waterproofing flange.
In this configuration, a 5-hole plate on top of the post is required.



REF : 102484

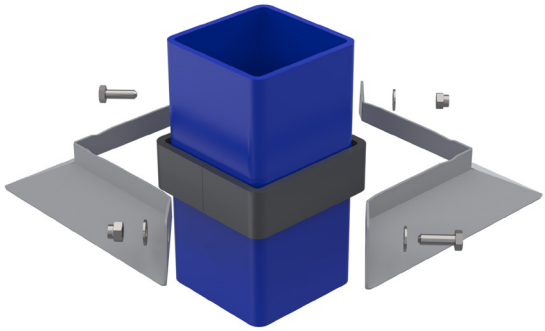
5-hole plate in galvanized steel for ends / intermediate / corner transmission.
Spacing: *100 x 100 mm*
Fixing: *M12*





REF : 102482

5-hole stainless steel plate for ends / intermediates / corner return.
Spacing: *100 x 100 mm*
Fixing: *M12*



REF : 100431

Stainless steel collar kit 80 x 80 mm ensures sealing and prevents infiltrations along the post. Post height adjustable.
Supplied with foam seal.

REF : 100460

Stainless steel collar kit 100 x 100 mm.
For special posts.

REF : 100461

Stainless steel collar kit 120 x 120 mm.
For special posts.

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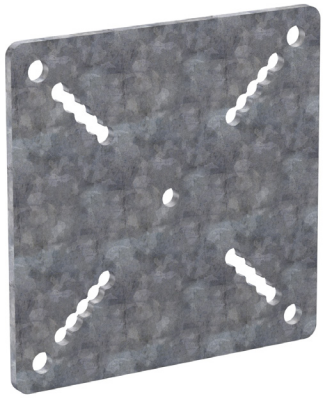
Fixation on post

Plates, counter plates and brackets

Optional elements for fixing a **SECURIFIL®** to a post.



REF : 101749

Galvanised steel counter plate.
Fixing: *4M12*
Spacing: *200 x 200 mm (from 100 mm to 200 mm)*
Fastening: *185 mm (from 80 mm to 185 mm)*

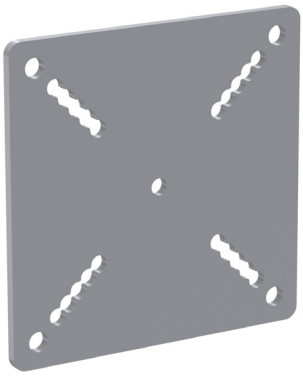
REF : 102496

Galvanised steel double plate used to install 2 parts (endpoints, intermediate parts or angular parts) on the same post.

Used when the lifeline forms a loop, or for the intersection of 2 lifelines.

REF : 102498

Adapter bracket for mounting a **SECURIFIX® PA2** *anchor point or* **PI5** *or a* **SECURIFIL® verticale** lifeline end.



REF : 101887

Stainless steel counter plate.
Fixing: *4M12*
Spacing: *200 x 200 mm (from 134 mm to 200 mm)*
Fastening: *185 mm (from 80 mm to 185 mm)*

REF : 102408

Stainless steel double plate used to install 2 parts (ends, intermediate parts or angular parts) on the same post.

Used when the lifeline forms a loop, or for the intersection of 2 lifelines.

REF : 102406

Stainless steel adapter bracket for mounting a **SECURIFIX® PA2** *or* **PI5** *anchor point or a* **SECURIFIL® verticale** lifeline end.

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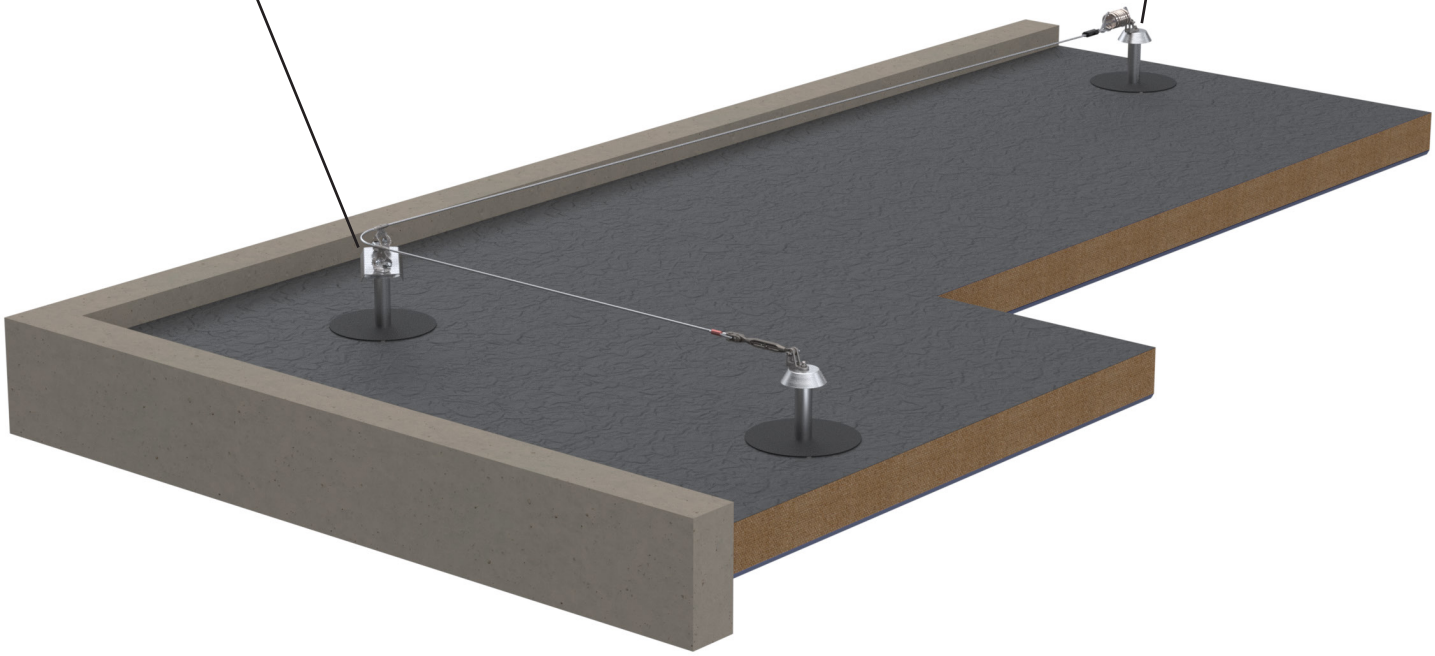
Attachment for hot deck

The lifeline supports are fixed by means of tilting dowels crossing the complex (4 dowels per support for the ends and the angles, 2 dowels for the intermediate ones). Sealing is to be carried out by the installer.

Intermediate pieces are spaced a maximum of 15 meters apart.
A double plate and two intermediaries make it possible to create a curve.

REF : 100873
Angle adapter plate.

REF : 102355
Aluminum sealing collar to prevent runoff.



REF : 102404
End or angle steel post.
Fastening: *4 zinc-plated toggle bolts.*
Option: Stainless steel toggle bolts.
Option: Toggle bolts of a specific length.

REF : 102430
Intermediate steel post.
Fastening: *2 zinc-plated toggle bolts.*
Option: Stainless steel toggle bolts.
Option: Toggle bolts of a specific length.

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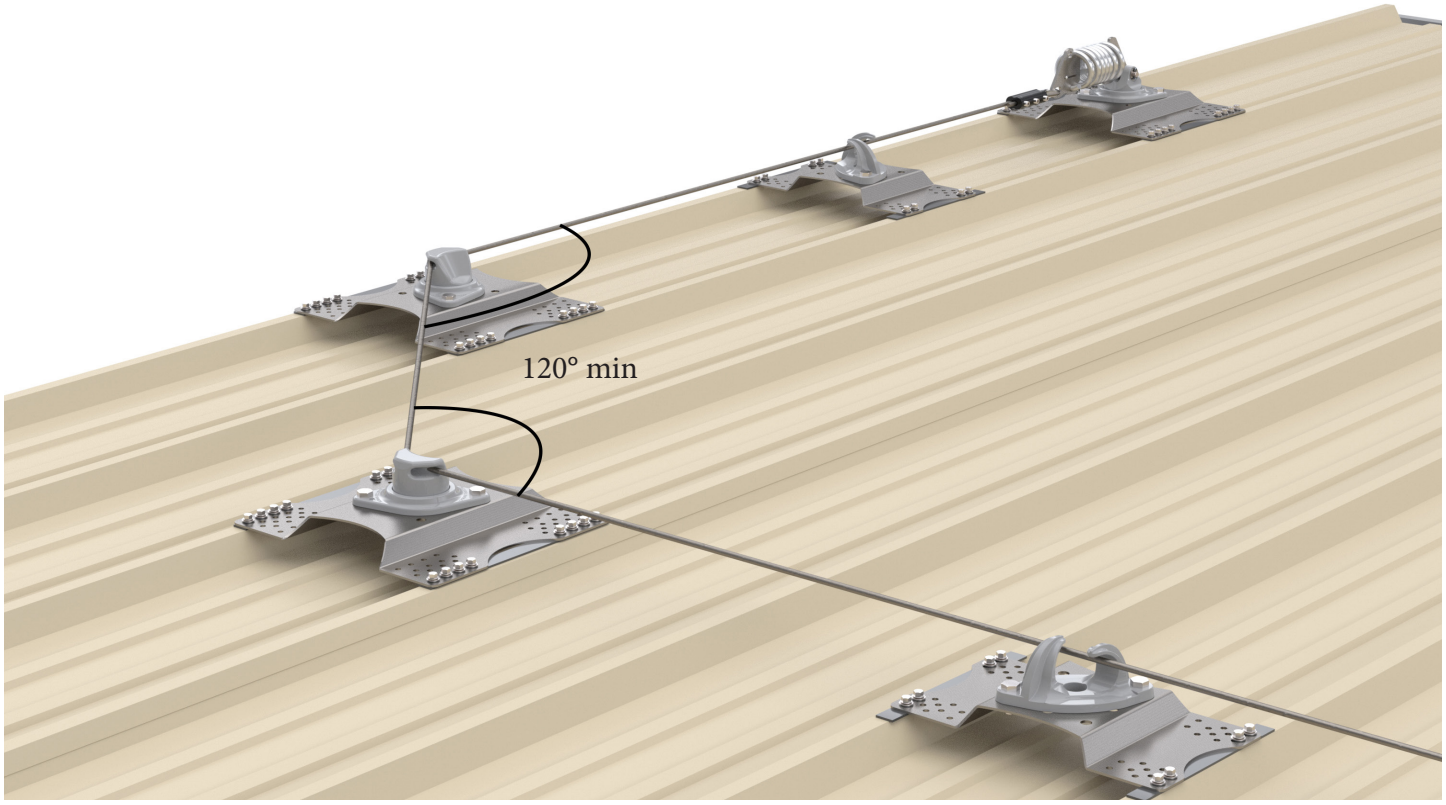
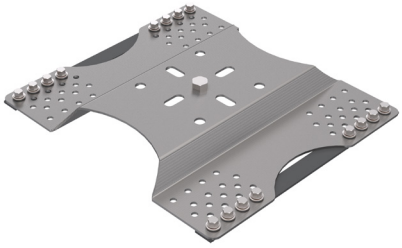
Fastening for metal decks

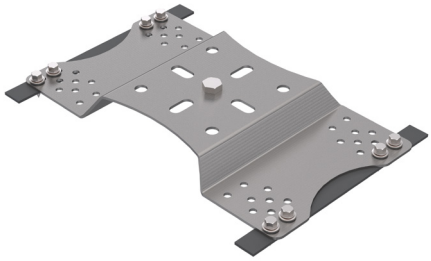
Fastening is done using self-tapping screws directly on the waves of the metal deck. A sealing strip is delivered with the system.
Possibility of fastening on a sandwich panel subject to technical compatibility, see the technical manual or contact us.

CAUTION: Minimum thickness of the top layer must be at least 0.63 mm.
For angles, a second shock absorber is needed.

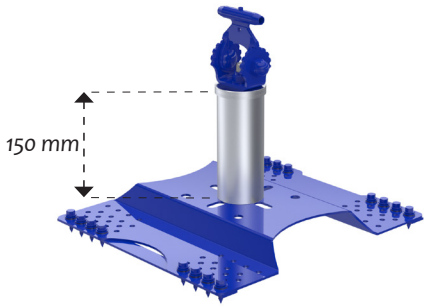




REF : 100493
Stainless steel adapter plate for metal deck for end, terminal and angular parts.
For profile spacings between 210 to 330mm.
Supplied with self-tapping screws and waterproof tape.



REF : 100494
Stainless steel adapter plate for metal deck for intermediate parts.
For a profile centre distance of 210 to 330mm.
Supplied with self-tapping screws and waterproof tape.



REF : 102449
Extension on dry tank for end and intermediate parts.
Height: 150 mm

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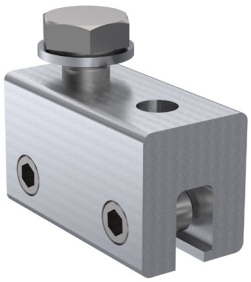
Fastening for standing seams

Fastening is done by clamps specifically adapted to standing seams.

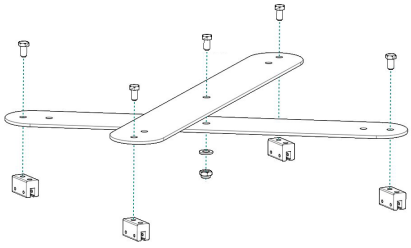
The cross-adjustable fastening adapters, fitted with specific clamps, are suitable for different types of joints. There are clamps adapted to each form of joint: bulbous, double folds, etc.

CAUTION: For angles, a second shock absorber is needed.



REF : 100202
Double folds standing seam clamp (4 per adapter).

REF : 100203
Bulb standing seam clamp (4 per adapter).



REF : 100495
Stainless steel fastening adapter for standing seam, adjustable for a spacing of 300 up to 600 mm.

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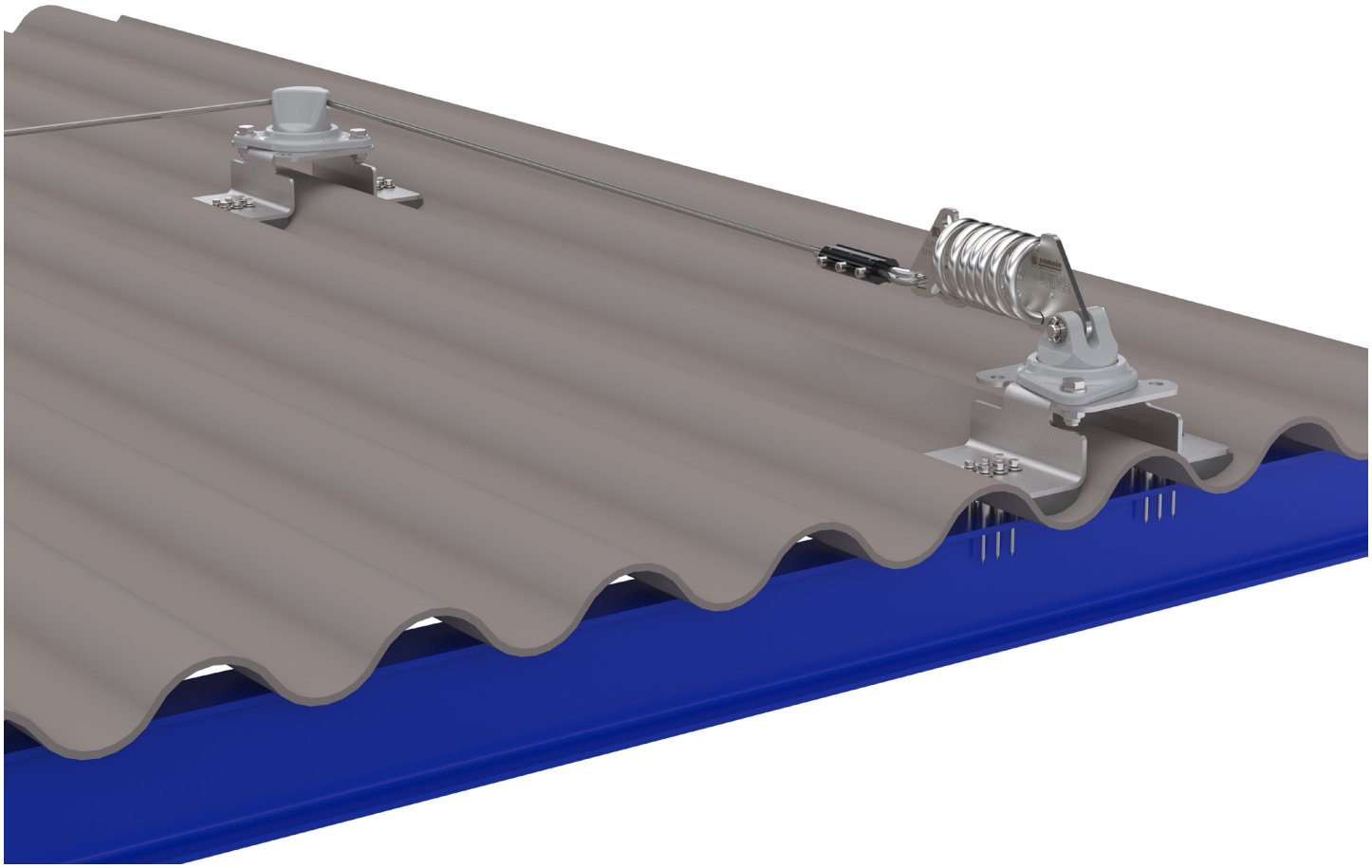
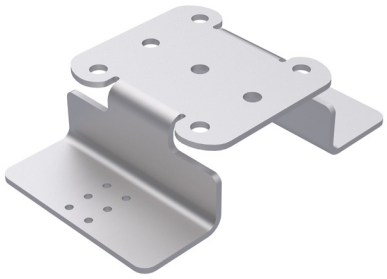
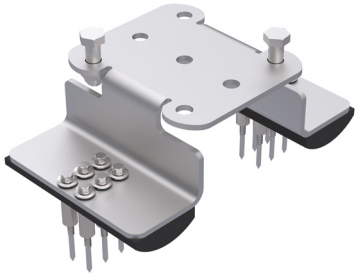
Fixation sur fibro-ciment

The fixing is done by self-drilling screws on the purlins of the frame. The supports must be aligned with the purlins.





REF : 102256
Support for fiber cement in stainless steel 304L



REF : 102564
Fixing kit for asbestos cement.
Fixing: *12 self-drilling screws in stainless steel A2*
Dimension: *Ø5.5 x 86 mm*

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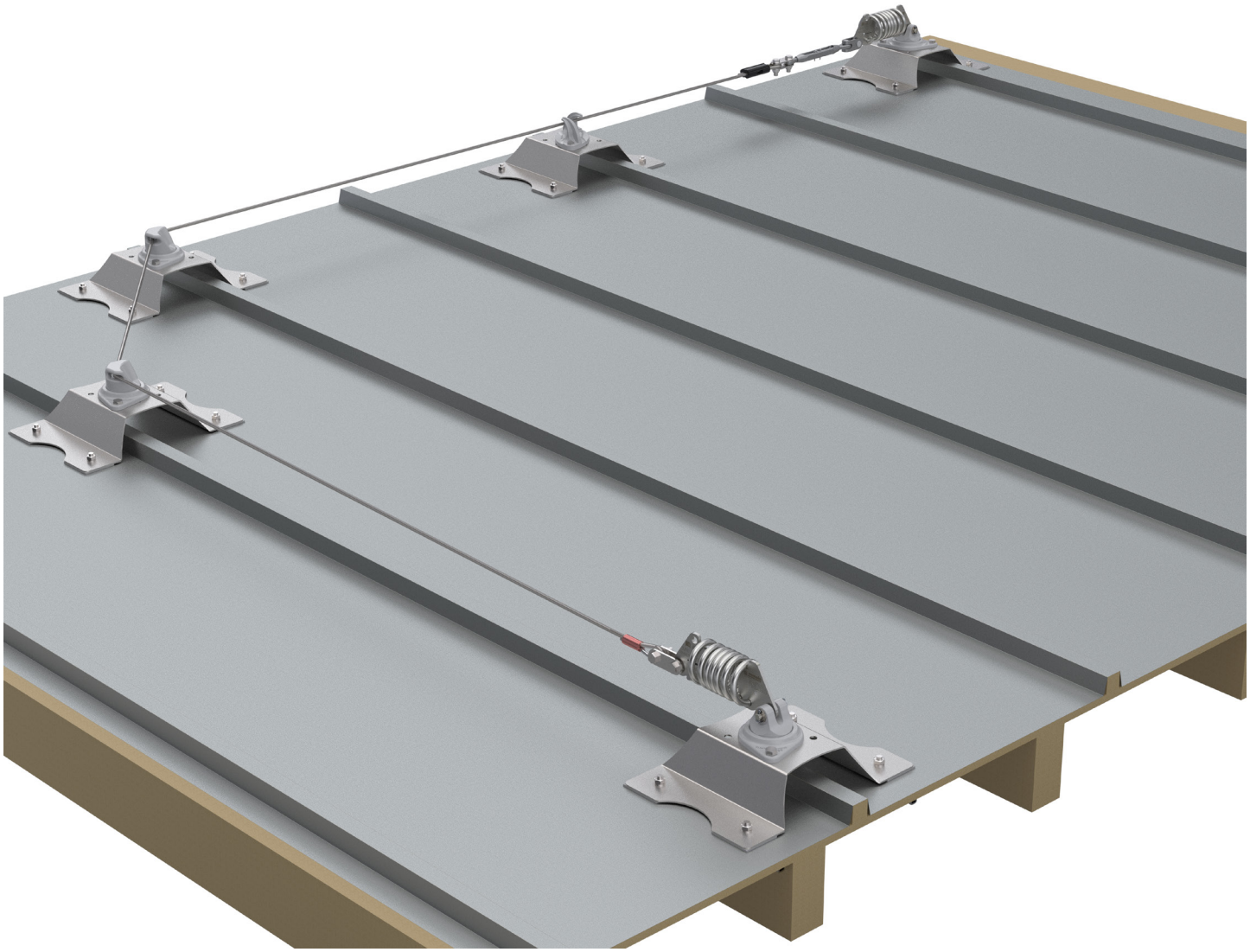
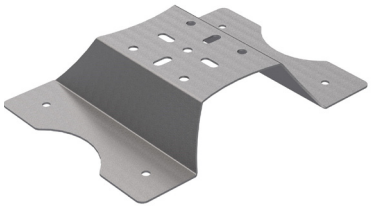
Fixing to the sheathing

The lifeline supports are fixed by means of toggle pins passing through the sheathing. The waterproofing is to be done by the installer.

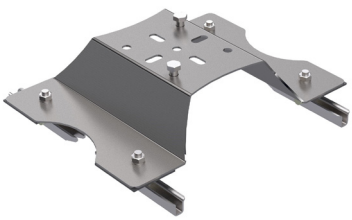
The intermediate pieces are spaced at a maximum of 15 meters. Two intermediate pieces allow to create a curve. The minimum thickness of the sheathing must be 15 mm (without the option of the extension kit) and 22 mm (with the option of the extension kit)



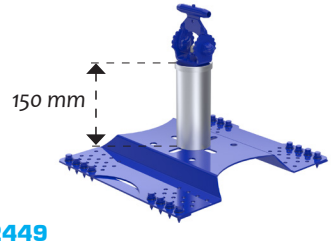


REF : 102540
Stainless steel fastening plate on roof board

REF : 101850
Heavy duty toggle plug M10 x 500 mm zinc plated.



REF : 102541
Fastening kit for zinc roofing and batten
Fixing: *4 toggle pins M10x 500mm*
Dimension: *Ø5.5 x 86 mm*



REF : 102449
Extension on dry tank for end and intermediate parts.
Height: 150 mm

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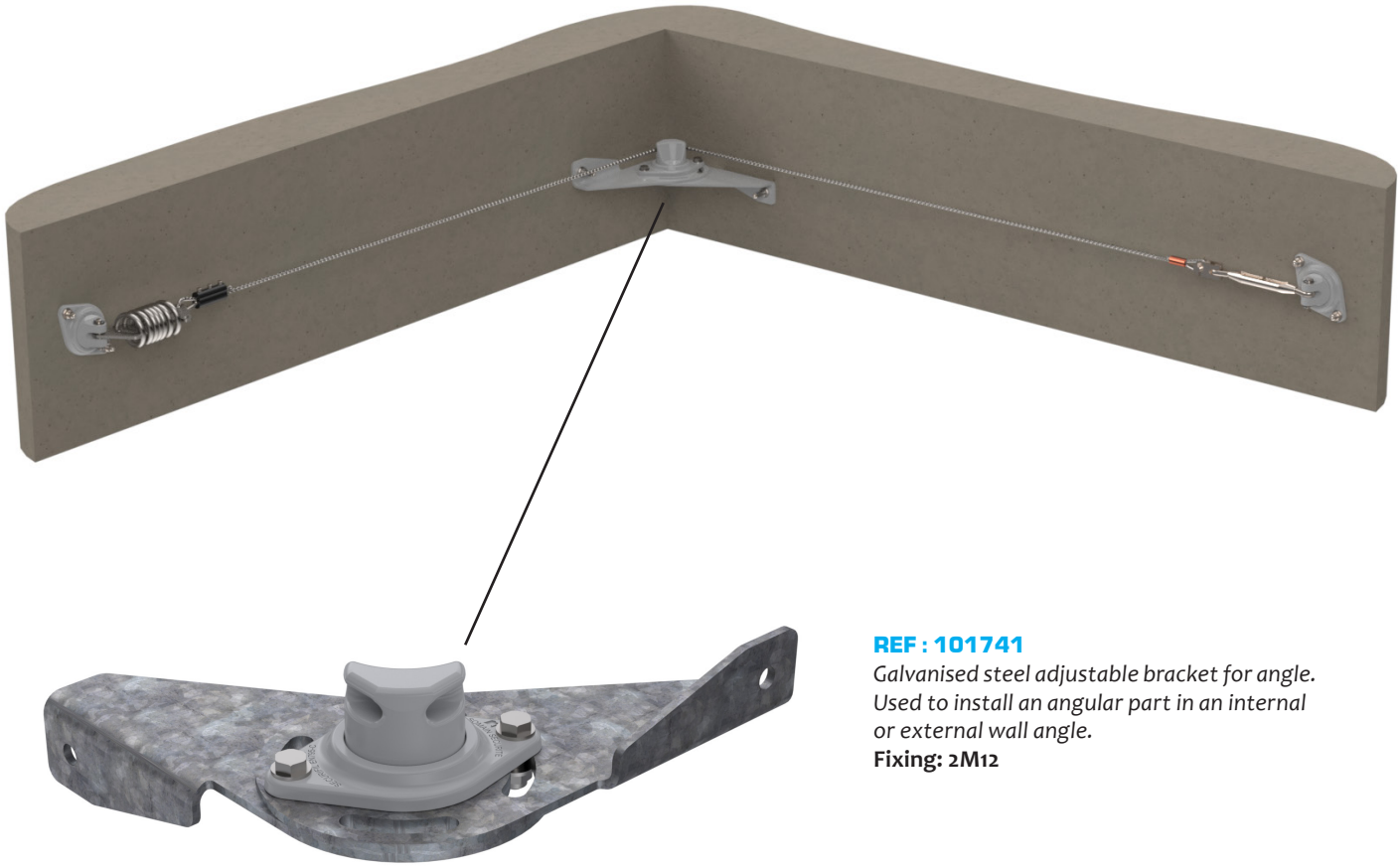
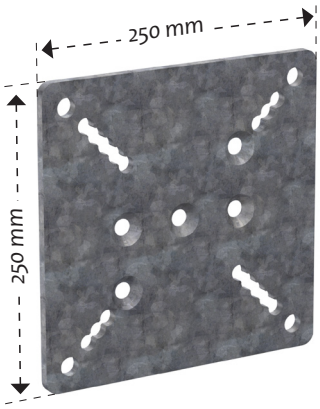
Surface mounting

Elements for face fixing to a concrete wall/concrete parapet.

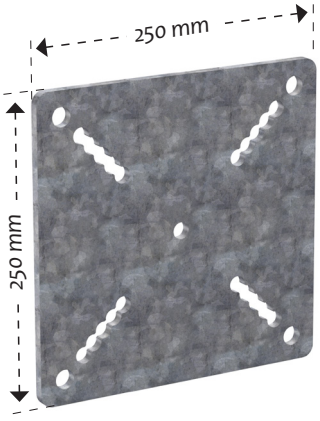


REF : 101741
Galvanised steel adjustable bracket for angle. Used to install an angular part in an internal or external wall angle.
Fixing: 2M12



REF : 101748
Galvanised steel adjustment plate.
Fixing: *4M12*
Spacing: *200 x 200 mm (from 100 mm to 200 mm)*
Fastening: *185 mm (from 80 mm to 185 mm)*

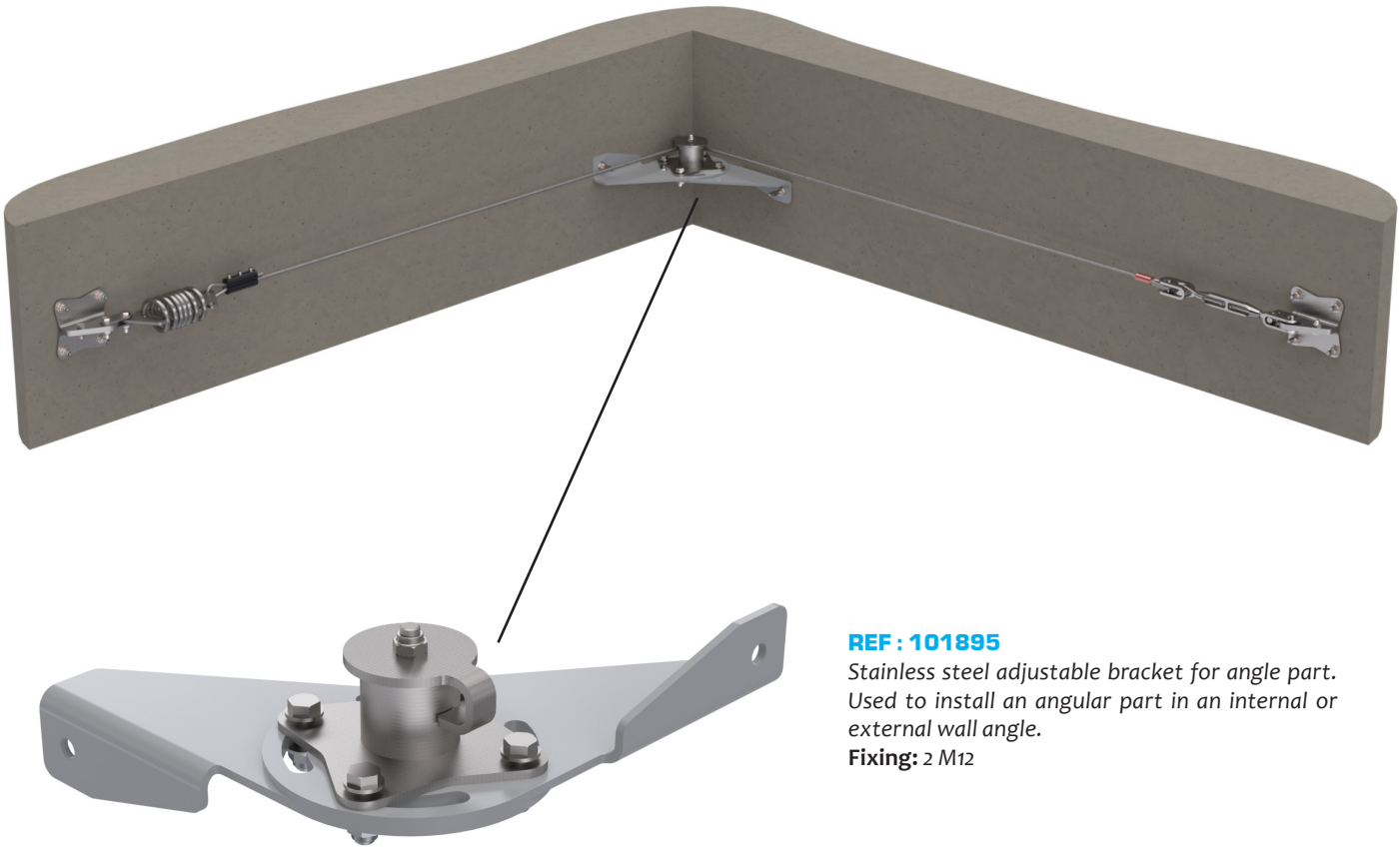
REF : 102498
Galvanised steel wall bracket for angular part.
Fixing: *2M12*
Centre-to-centre distance: *100x100 mm*



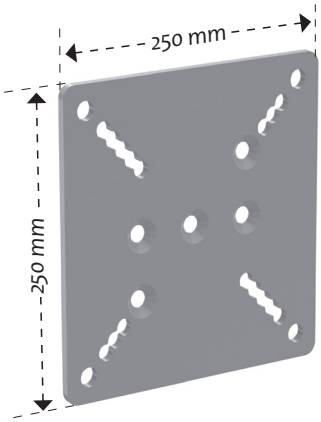
REF : 101749
Galvanised steel counter plate.
Fixing: *4M12*
Spacing: *200 x 200 mm (from 100 mm to 200 mm)*
Fastening: *85 mm (from 80 mm to 185 mm)*

Surface mounting

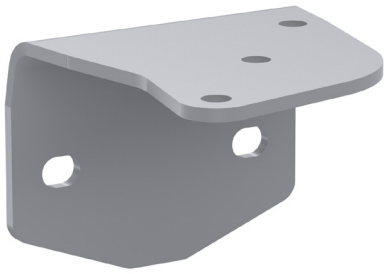
Elements for face fixing to a concrete wall/concrete parapet.



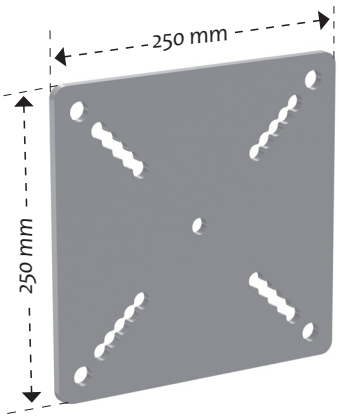
REF : 101895
Stainless steel adjustable bracket for angle part. Used to install an angular part in an internal or external wall angle.
Fixing: *2 M12*



REF : 101886
Stainless steel adjustment plate.
Fixing: *4M12*
Centre-to-centre distance: *200 x 200 mm (from 134 mm to 200 mm)*
Fastening: *185 mm (from 80 mm to 185 mm)*



REF : 102406
Stainless steel wall bracket for angular part.
Fixing: *2M12*
Centre-to-centre distance: *100x100 mm*



REF : 101887
Stainless steel counter plate.
Fixing: *4M12*
Centre-to-centre distance: *200 x 200 mm (from 134 mm to 200 mm)*
Fastening: *185 mm (from 80 mm to 185 mm)*

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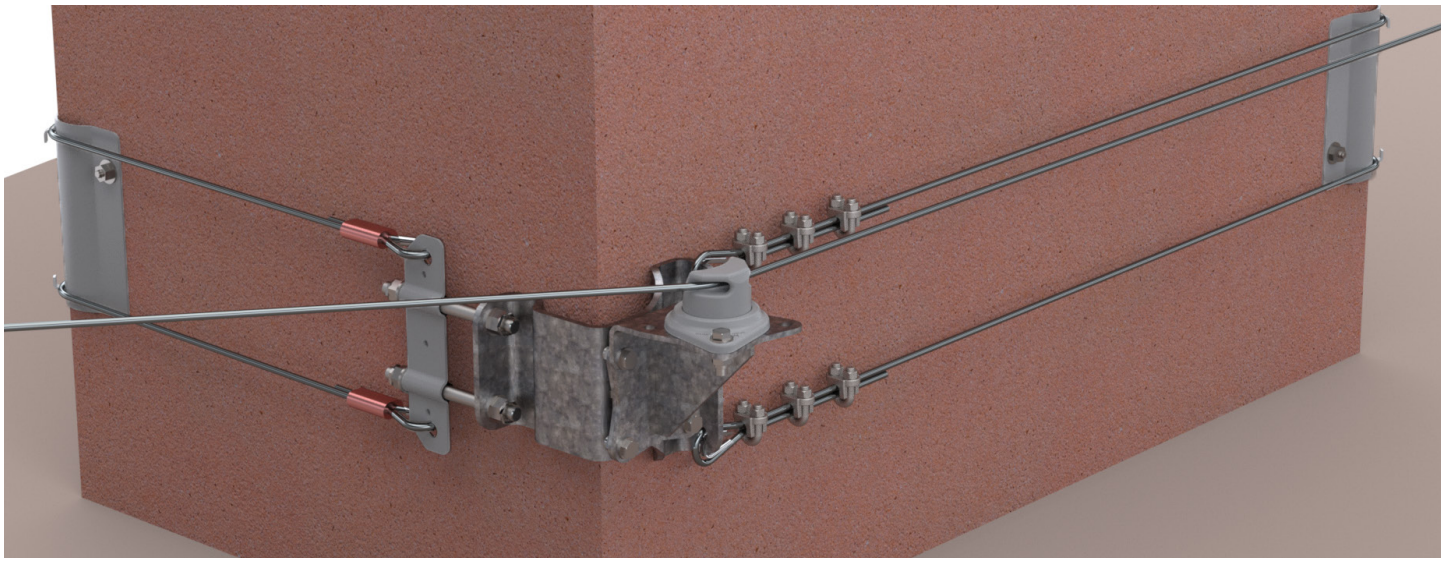
Chimney strapping

This is an exclusive device developed by SOMAIN to use the chimneys present on the roofs to support the parts of the horizontal lifeline.

The system is based on a strapping of the chimney with 2 stainless steel cables of 8 mm diameter.



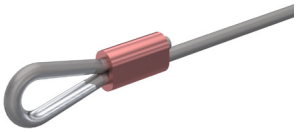
REF : 100161
Stainless steel rim, for stretching strapping.

REF : 100165
Stainless steel ramp angle, for running cables through corners.

REF : 101865
Galvanised steel support for end or intermediate part.

REF : 101752
Galvanised steel wall bracket for angular part
Fixing: *4M12 galvanised.*

REF : 100150
Stainless steel cable diameter 8 mm.



REF : 100478
Crimping + wire thimble for stainless steel cable diameter 8 mm factory-assembled.

REF : 100477
Set of 3 cable clamps and a stainless steel wire thimble .The jumpers must be installed on the side of the dead strand with a gap of about 7 cm.

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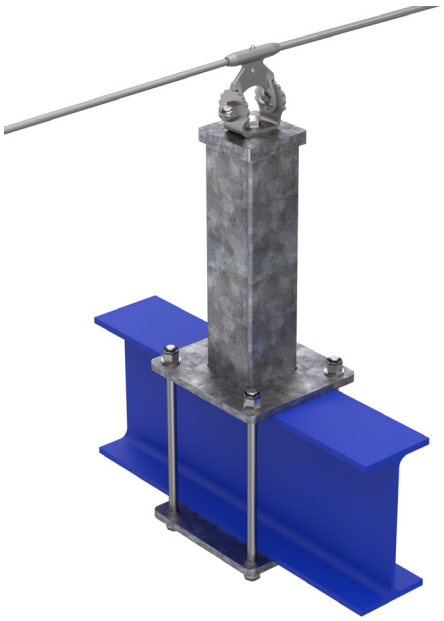
Special interfaces

Horizontal lifelines can also be attached to conventional structures, so we have developed standard attachment interfaces on frames and concrete.
The lifeline is installed when it is not possible to set up a collective protection for your work at height, the lifeline is the solution adapted to work in full safety.

Fastening

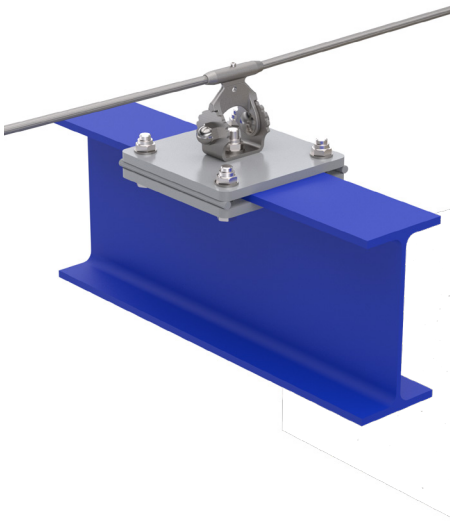
On metal or wood beams.



The lengths and widths of the elements are sized to be suitable for the support.

Clamping

On metal beams.

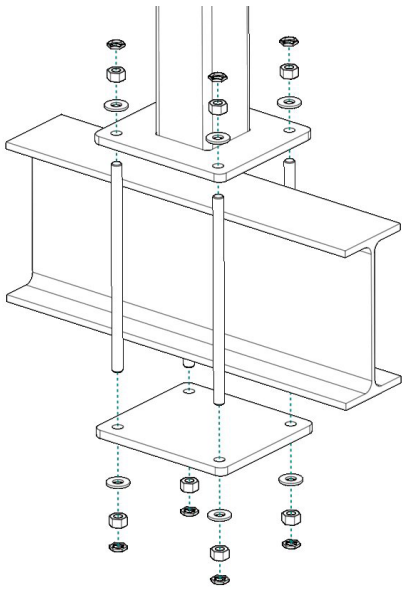


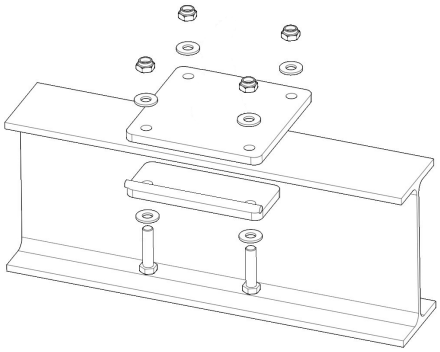
This involves pinching the flanges of the beam using 2 clamping plates.
The length and width of the elements are sized to fit to the supports.

On concrete

By embedding in the slab or concrete wall

The length and width of the elements are sized to fit to the supports.





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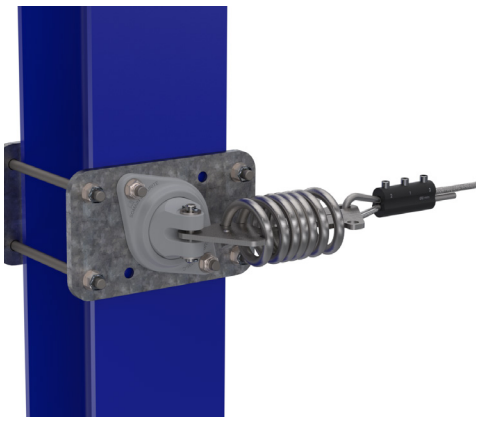
Special interfaces

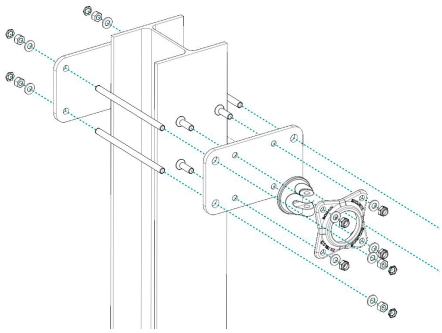
Fixing on plates

Fastening

On metal or wood beams.

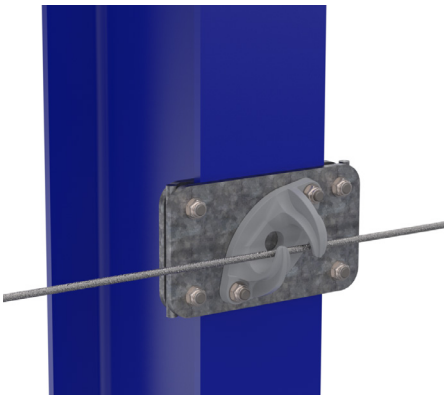


The lengths and widths of the elements are sized to be suitable for the support.



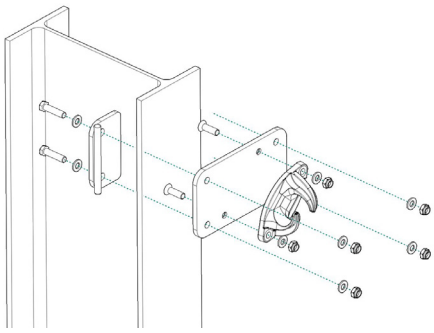
Clamping

On metal beams.



This involves pinching the flanges of the beam using 2 clamping plates.

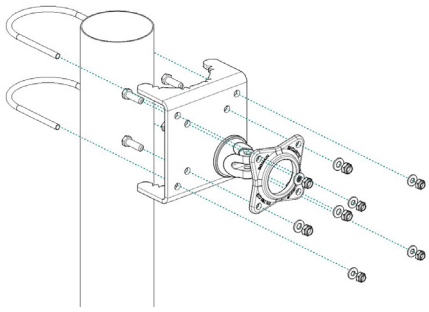
The lengths and widths of the elements are sized to be suitable for the support.



On a tube

On metallic round tubes.

The lengths and widths of the elements are sized to be suitable for the support.

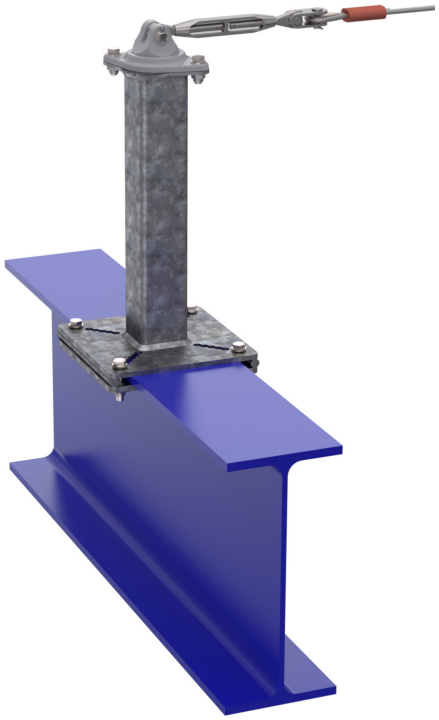


Special interfaces

Fixing on posts

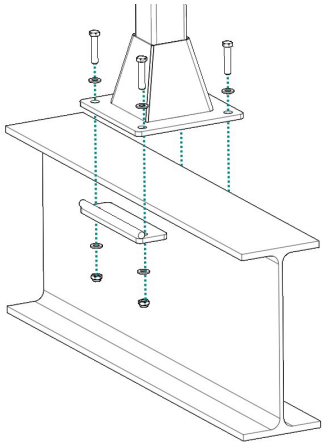
Clamping

On metal beams.



This involves pinching the flanges of the beam using 2 clamping plates.

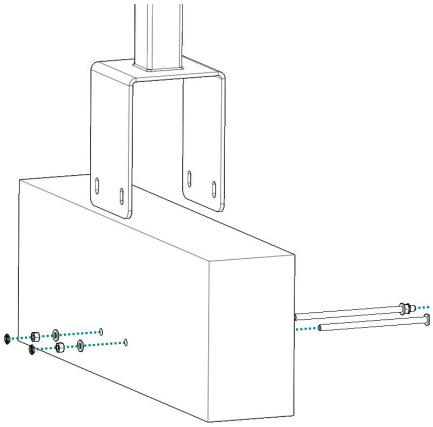
The length and width of the elements are sized to fit to the supports.



Jumper

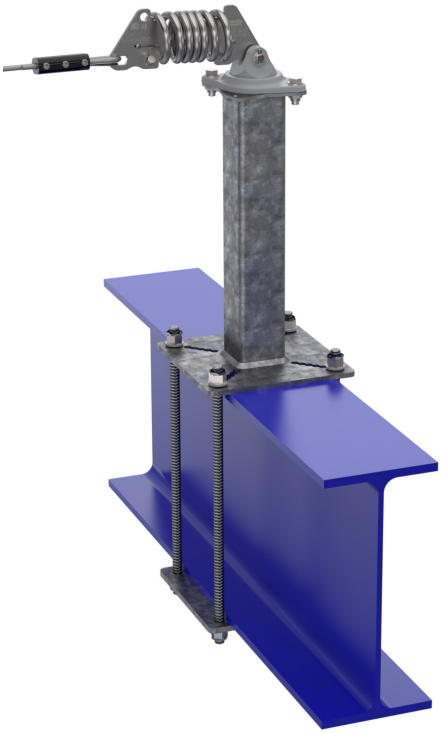
On wood beams.

The length and width of the elements are sized to fit to the supports.

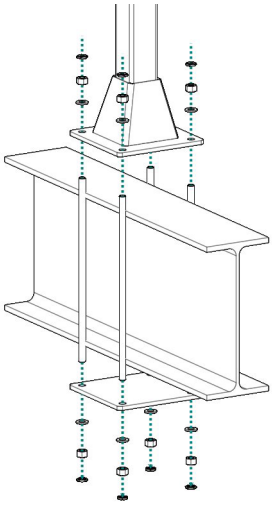


Fastening

On metal or wood beams.



The lengths and widths of the elements are sized to be suitable for supports.



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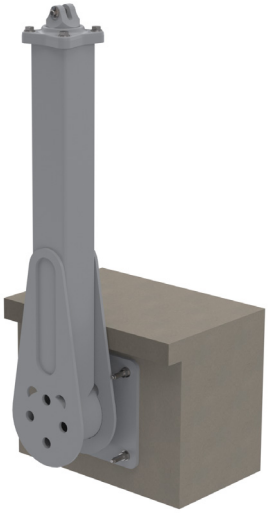
Special interfaces

In addition to the fixations referred to in the previous pages, SOMAIN designs and develops out-of-frame posts for special configurations.



Face-fixed post

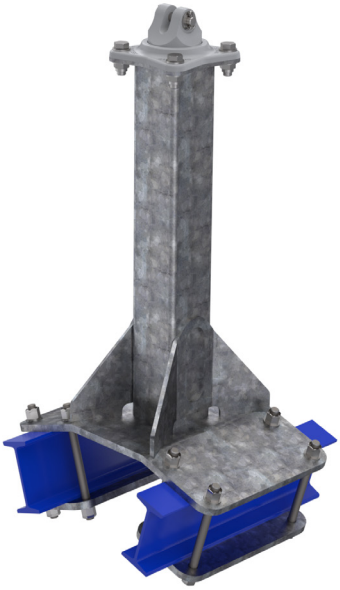
To install lifeline on a roof without intervening on the cover, the post is fixed against the wall of the building.

Rigged post

To reinforce high posts with metal cables.

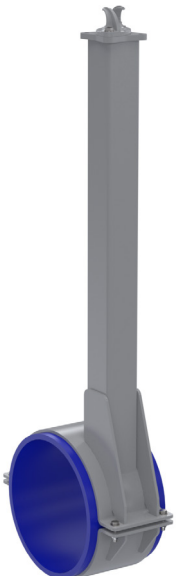
Gantry

To fix a lifeline above a road.



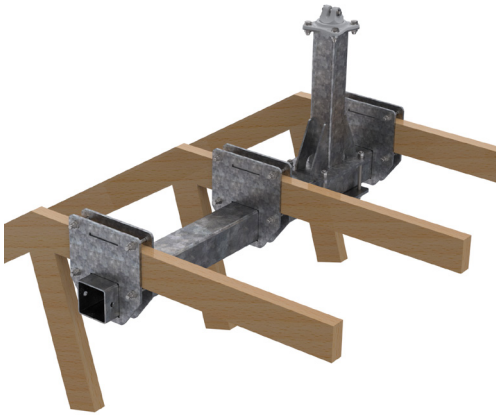
Double beam post

To install a lifeline on a roof whose ridge is formed by a double beam.



Ringed post on tube

For using tubes as lifeline support.



Reinforcement of the frame

To fix a lifeline on a light roof type “farmhouse frame”.

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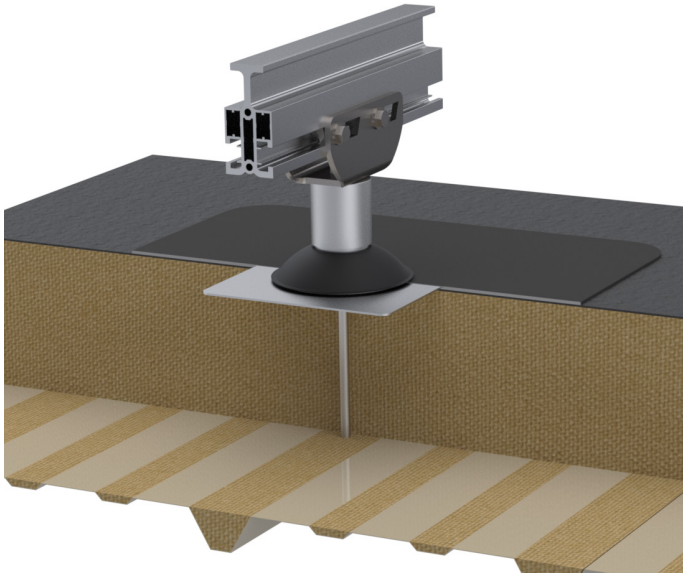
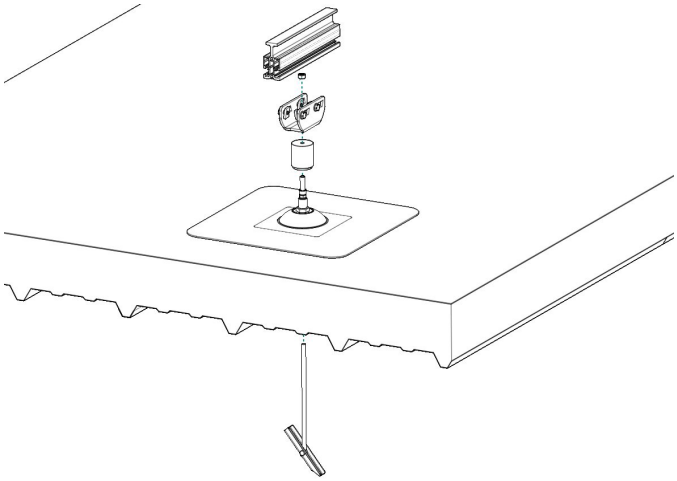
Special interfaces

SOMAIN has developed different fixing systems to adapt the ***SECURILIGNE®*** lifeline to metal roofs.

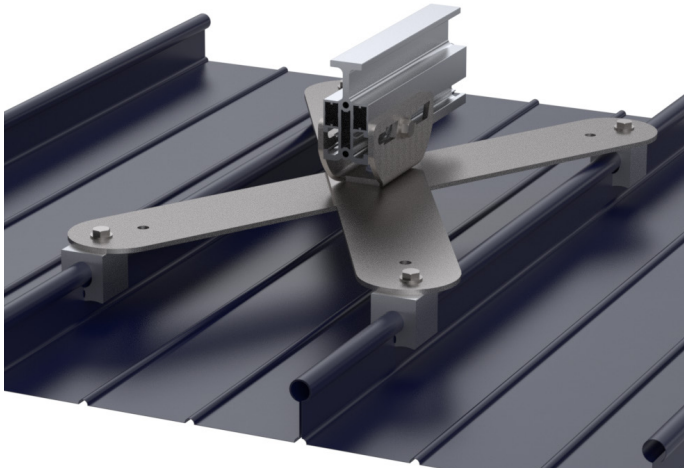
On hot metal decks



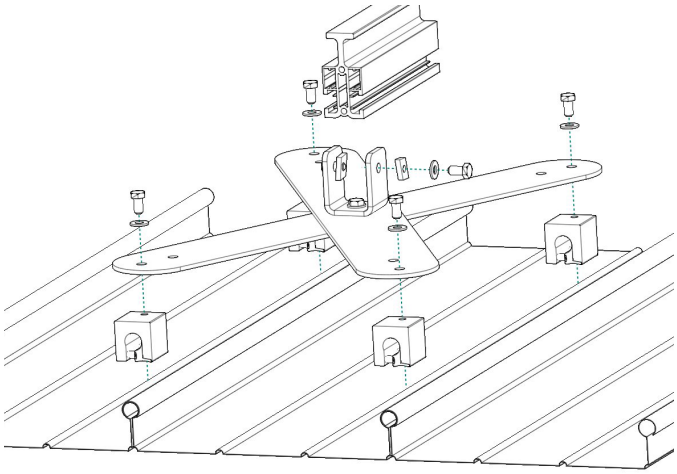
Fixing for metal roofs with a PVC or bitumen insulation/ waterproofing assembly.



On standing seam profiles

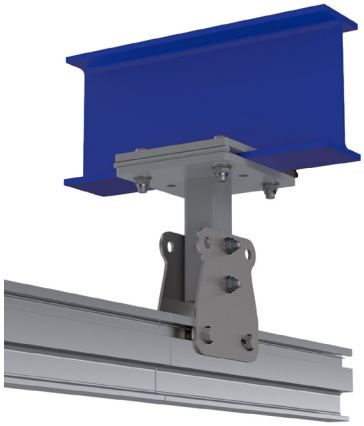


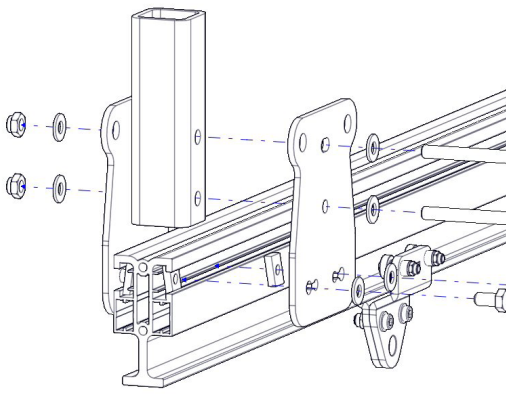
Fixing on a metal roof with standing seam profiles. There are clamps suitable for each type of joint: round, double folded, etc.



Fixing on shores

For offset installation. In order to keep the rail horizontal, it is sometimes necessary to offset it from the roof trusses. To do this, we use "shores" in sizes suitable for the desired offset.





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