

Pisko® SafeLine

Installation on steel roof using SafeLine fixing plate

Pisko SafeLine is a fall stopping system. It is not meant to be used by leaning against the wire with the safety rope. If access ways are required due to the steepness of the roof or building regulations, it is recommended to install SafeLine as part of the access ways, not as a standalone system.

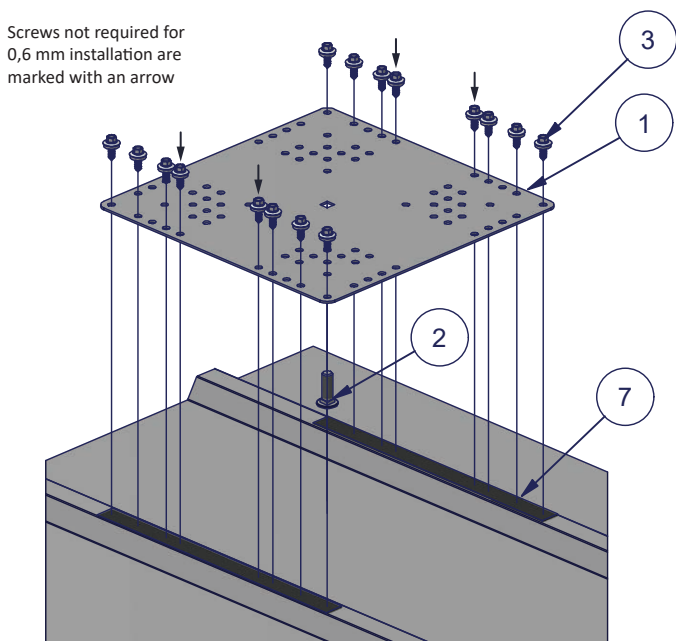
Minimum thickness for steel roof is 0,5 mm.

INSTALLATION

Insert the M10 mounting plate bolt (2) on bottom of the SafeLine fixing plate (1). Place the EPDM sealant strip (7) to the bottom of the SafeLine fixing plate positioned to the screw rows which are intended to use for attaching the fixing plate on the roof. Place the fixing plate on two adjacent crowns. Attach the fixing plate with Pisko sheet metal screws (3), using 16 screws in two rows with 8 screws each. Screw rows are to be selected in such way, that the screw rows are positioned symmetrically to the M10 mounting plate bolt. For 0,6 mm roof thickness, 12 screws in two rows with 6 screws each is enough. Leave out the screwpairs closest to the center of the plate

Maximum distance between the fixing plates is 5 meters. When using the maximum installation distance, special attention must be paid to the sufficient installation tension of the wire.

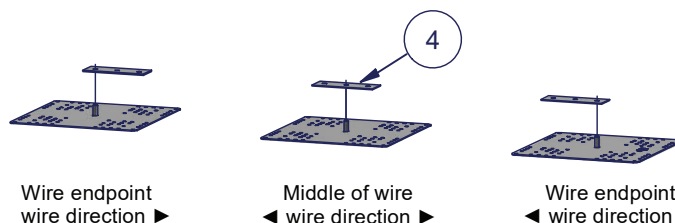
When SafeLine is installed parallel to the slope, it is recommended to install SafeLine along access ways. If this is not possible, on slopes steeper than 12 degrees, the maximum distance between fixing plates is 1,5 meters for transitions parallel to the slope.



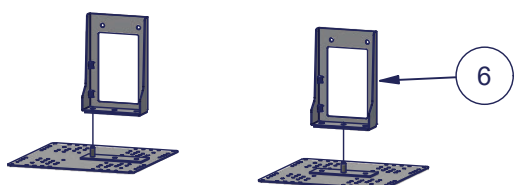
Insert the gasket for wire holder bracket's fixing support (4) on the bolt of the fixing plate.

The gasket has three holes. For outermost fixing supports, choose the hole so that most of the fixing support is in the direction of the wire. In the middle fixing supports, choose the middle hole.

If the gasket only has one hole in the middle, make a hole in it by using a suitable tool. Use the holes of the fixing support as a template.

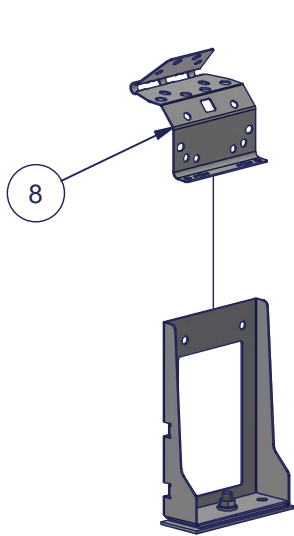


Insert the Fixing support for SafeLine wire holder bracket (6) on top of the gasket and attach it on the fixing plate with M10 flange nut (5). Use such hole from the bottom of the fixing support, that the fixing support and the gasket fit seamlessly on top of each other.

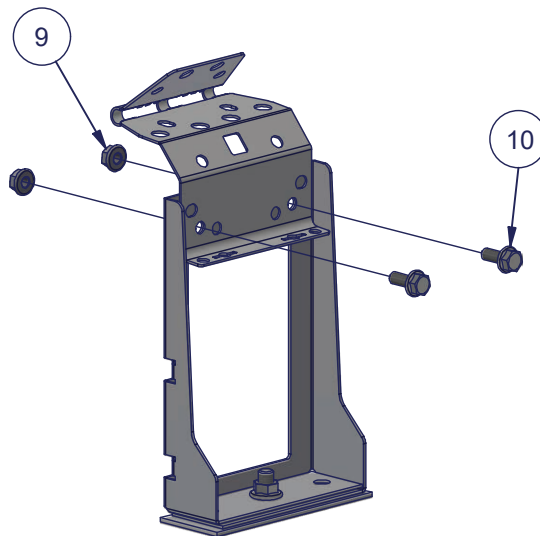


Part	Description
1	SafeLine fixing plate for steel roof 302,5 mm x 302,5 mm
2	M10 mounting plate bolt
3	Pisko sheet metal screw 6,3 x 19 mm
4	Gasket for wire holder bracket's fixing support
5	M10 flange nut
6	Fixing support for SafeLine wire holder bracket
7	Sealant strip, EPDM

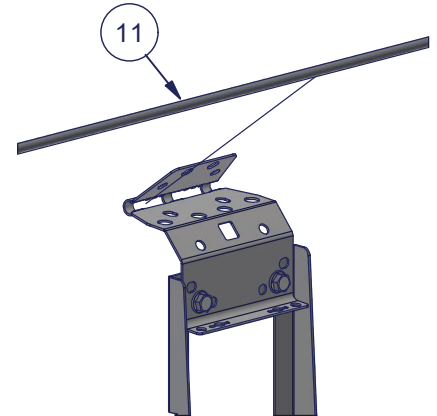
Insert Safeline wire holder bracket (8) in the fixing support so that the holes are aligned.



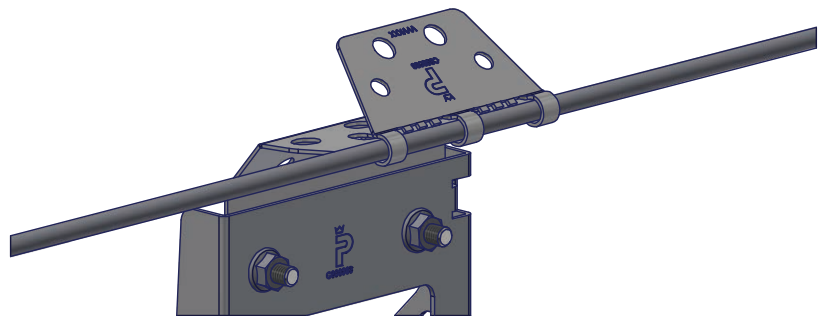
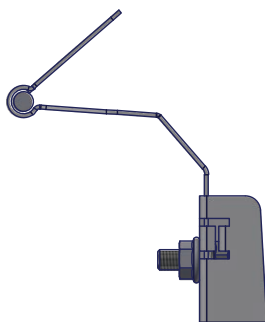
Fasten the wire holder bracket on the fixing support with M8 flange bolts (10) and nuts (9).



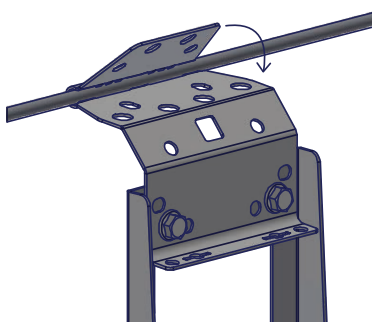
Bend open the top plate of the bracket, so that the wire fits inside the ring shaped elements of the bracket. Insert the wire (11) inside the bracket.



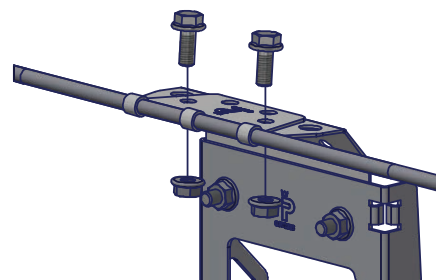
When inserting the wire inside the bracket, make sure the wire is completely inside the ring shaped elements of the bracket. Otherwise the teeth of the bracket might not align correctly with the wire.



Bend the top plate of the bracket towards the lower plate. While doing this, make sure the wire stays inside the ring shaped elements of the bracket.

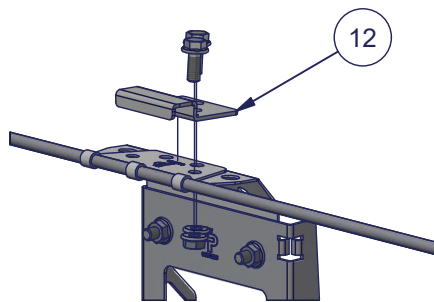


Lock the plates together with M8 flange bolts and flange nuts. Use the mounting holes closest to the wire. The tightening torque is approx. 30 Nm, or until the surfaces are completely against each other at the point of attachment.

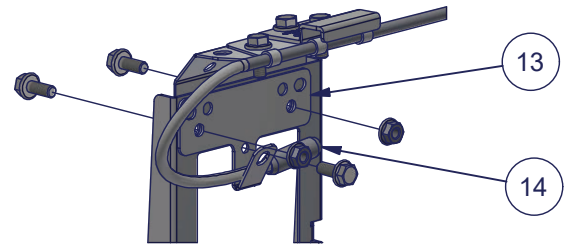


Part	Description
8	Safeline wire holder bracket
9	Hexagon Flange Nut, M8, stainless steel
10	Hexagon Flange Bolt M8, stainless steel
11	Pisko SafeLine stainless steel wire, 8 mm

At the end of the wire, install a glider end stop for wire holder bracket (12) on the last bracket.



After the last Safeline wire holder bracket, the end of the wire is turned 180 degrees and is locked against the fixing support with Safeline wire ending bracket (13). This improves the safety of the user.



If the loose end of the wire after the last bracket has not been equipped with any factory-mounted terminal, it shall be protected with wire end protector (14) by pressing or using an alternative corresponding method.

A minimum of 40 cm of wire is needed after the last wire holder bracket, so the wire can be safely secured on the side of the fixing support.

Always install the wire between the brackets as tight as possible. In time, there will be structural stretching on the wire, which will prevent the possibility of over tightening.

Part	Description
12	Glider end stop for wire holder bracket
13	Safeline wire ending bracket
14	Wire end protector 8 mm, stainless steel

USE

- Ensure the official commissioning inspection has been carried out by the installer
- Use only original parts provided by Piristeel Oy
- Instructions for the proper use of access ways can be found in separate product specific instructions
- Connect to the wire only with a glider certified for Pisko SafeLine system
- Pisko SafeLine wire system is to be used as a fall protection when moving along the appropriate path along the danger zones of the roof. Leaning heavily on the wire while working on the roof might damage the system
- Do not use the system if there is any visible damage
- Access ways used for Pisko SafeLine installation must be executed according to Class 2 performance
- SafeLine installed in a ladder can have only one person at a time
- Two persons are allowed to be attached on the Pisko SafeLine wire simultaneously on a walkway installation or on bitumen roof, seamed roof and steel roof SafeLine wire installation with fixing support, when there are at least two Pisko SafeLine wire holder brackets between the two persons
- Connecting to the wire is only allowed between Pisko SafeLine wire holder brackets. Connecting is NOT allowed after the last bracket, even if there is a loop formed by the wire
- Pisko SafeLine wire system is not suitable for sports or recreational activities
- Make sure that the harness matches the requirements provided in standard EN 361, and that the harness has not been damaged. In addition, adjust the harness to the correct measurements before use of the system, and, if required also adjust the harness during use
- Use only proper safety ropes intended to be used as a Personal Protective Equipment

MAINTENANCE

To ensure the reliability and safety of the products, the property owner must carry out yearly inspection and maintenance procedures, by a professional authorized by the manufacturer.

Yearly Maintenance inspection checklist for Pisko Safeline wire system:

- Check the tightness of joints, connections and attachments
- Check that there are no damaged wire holder brackets, ladder fixing pieces or flat roof fixing pieces for wire holder
- Check that the wire is undamaged
- Check that the glider(s) is undamaged
- Test the movement of glider stoppers for ladders and check that the parts of the stopper are not damaged
- If the wire system is attached to a ladder or a walkway, inspect those parts according to their own maintenance instructions
- Replace any damaged or faulty parts immediately
- Use only original parts provided by Piristeel oy when replacing damaged parts.
- Additional information can be found on separate inspection form or Pisko Pro app



C900083

Commissioning inspection done by

Company

Inspector

Date