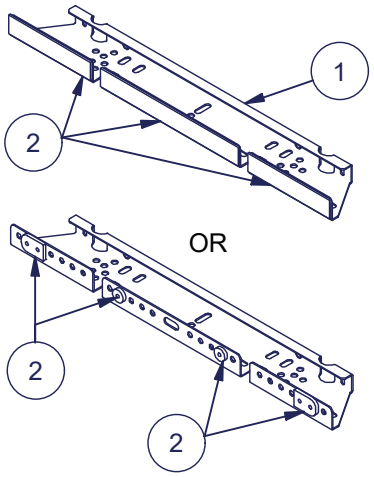
Roof walkway as accessway parallel to the slope on standing seam roof with MultiFast Optim (Maximum recommended roof slope 12°)

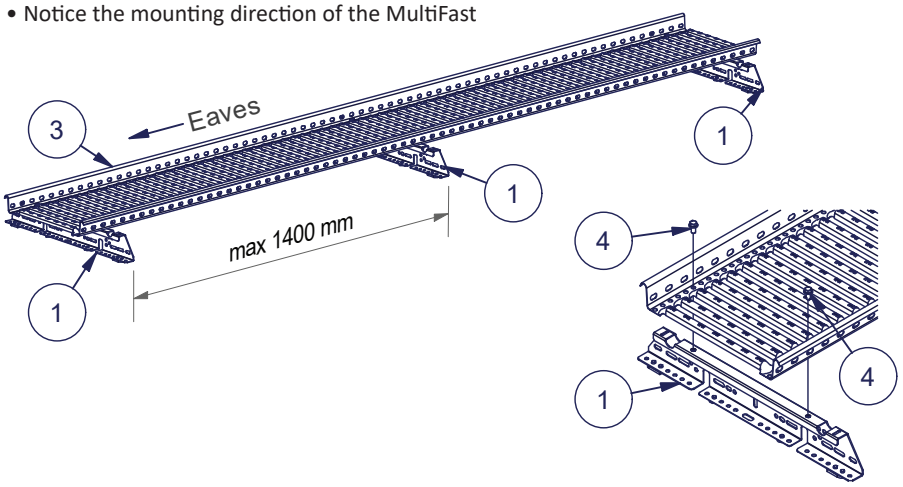
INSTALLATION

Place EPDM sealant strip (2) or alternatively Pisko 2+1 sealants (2) (2 / fastener) to the bottom of the MultiFast Optim bracket (1).

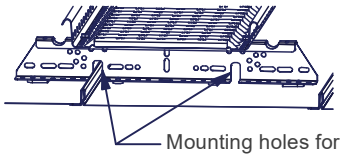


Attach the MultiFast Optim brackets (1) to the Pisko walkway (3) with flange bolts (4) (2 pcs / bracket).

- The maximum distance between brackets is 1400 mm
- Min. 3 MultiFast brackets
- Notice the mounting direction of the MultiFast

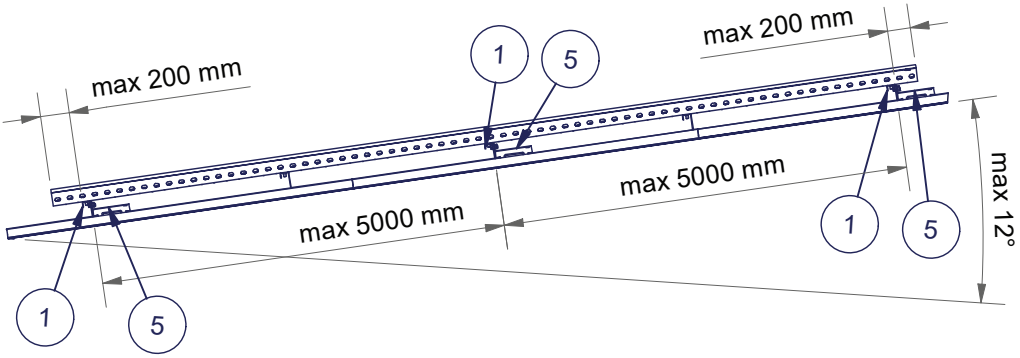


Place the walkway to roof. Roof seam is inserted into one of the two mounting holes on the MultiFast Optim bracket.

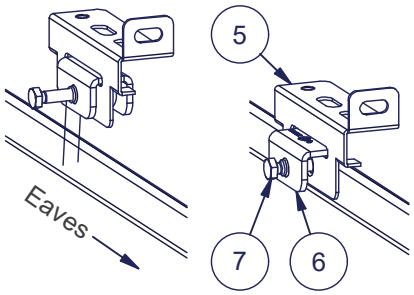


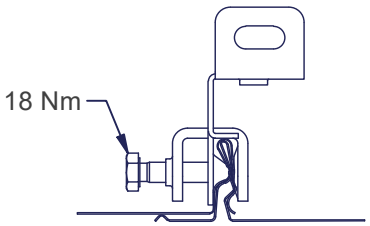
Roof walkway is attached to roof seam with MultiFast Optim (1) and multi-purpose standing seam bracket (5)

- The lowest and highest MultiFast bracket must always be attached to the roof seam
- Min. 3 Muti-purpose standing seam brackets
- Max distance between Multi-purpose standing seam brackets is approximately 5000 mm
- In areas of heavy snow loads it is recommended to use more than min. amount of brackets
- Max. overhang of the walkway from outermost MultiFast bracket is 200 mm

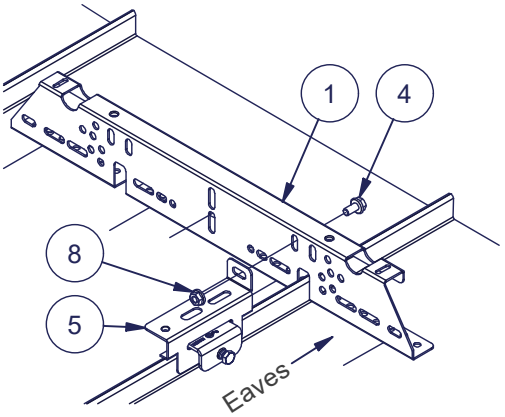


Multi-purpose standing seam brackets (5) are mounted on lock- / tinsmith-seam with SG tightening clamps (6). Attach brackets and tightening clamps to the seam. Correct tightening torque will spread out the tightening clamp a bit, in order to create a tight long-lasting connection. Tightening torque of fixing bolt (7) is 18 N/m.

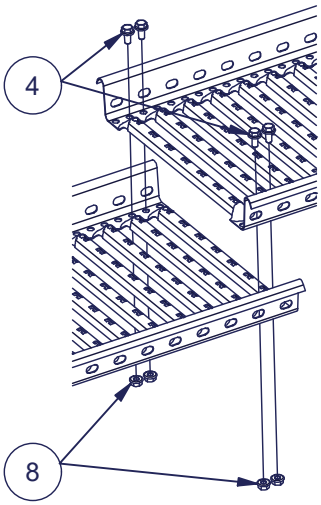




Multi-purpose standing seam bracket (5) is installed on the ridge side of the MultiFast bracket (1) and fastened to Multifast bracket with M8x16 flange bolt (4) and M8 flange nut (8).



The extension of the walkway (3) shall be done by overlapping (min 2 crossbars) and securing the connection from both sides with two M8x16 flange bolts (4) and M8 flange nuts (8).



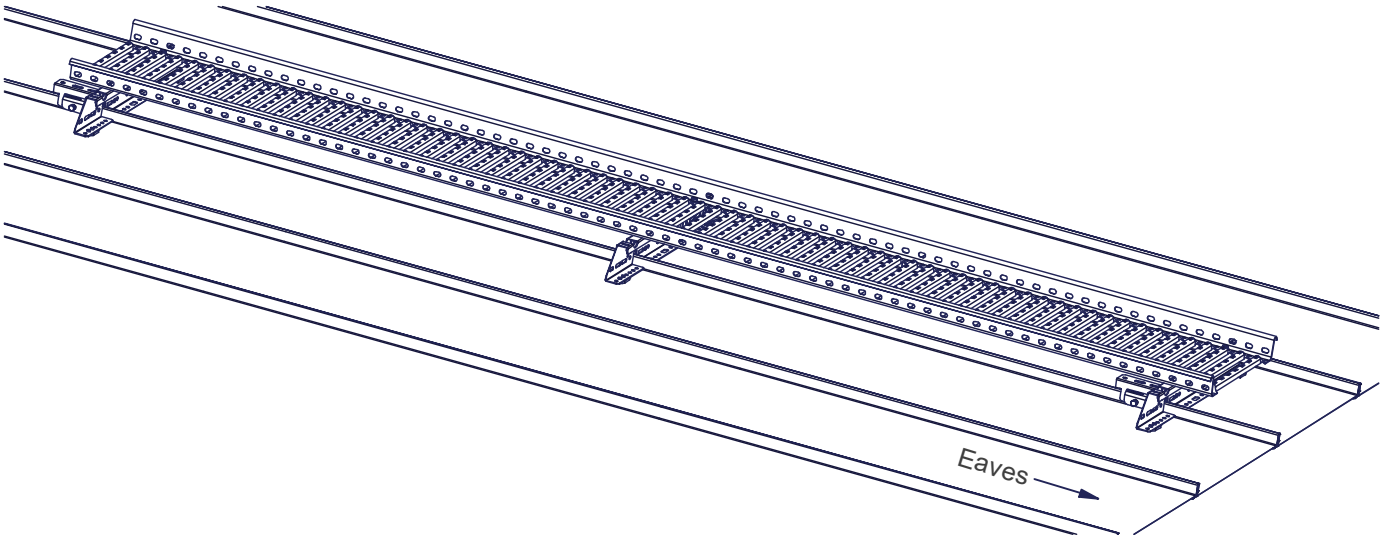
Requirements for min. raw material thickness by roof type:

- Standing seam roofs (lock seam)
  - steel 0,5 mm
  - aluminum 0,7 mm

- Standing seam roofs (tinsmith)
  - steel 0,5 mm
  - aluminum 0,8 mm

Part	Description
1	MultiFast Optim
2	Adhesive sealant / Pisko 2+1 sealant
3	Roof walkway
4	Flange bolt DIN 6921 - M8 x 16 HDG *
5	Multi-purpose standing seam bracket
6	SG Tightening clamp PiskoUniseam
7	Fixing bolt M8 x 30
8	Flange nut DIN 6923 - M8 HDG *
9	Pisko Rope fastener
10	Flange nut DIN 6923 - M8 A2
11	Flange bolt DIN 6921 -M8 x 20 A2

* HDG or equal corrosion protection

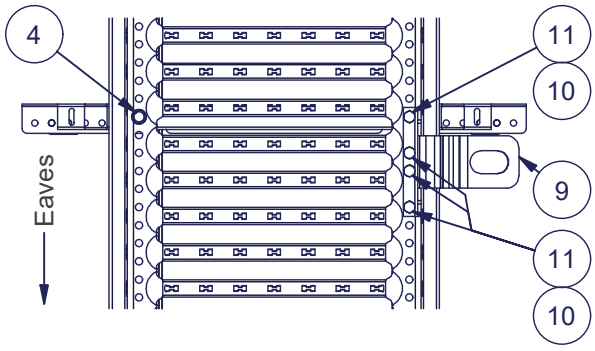


SAFETY ROPE ANCHORING POINTS

When roof walkway is used as an access way parallel to the roof slope, personal fall protection equipment must only be attached to the roof walkway using Pisko rope fastener (9), or Pisko safeLine wire system. Pisko SafeLineis installed according to Pisko SafeLine installation on a walkway.

The Rope fastener may only be attached next to the MultiFast Optim brackets as fallows:

- Rope fastener is on the eaves side of the MultiFast Optim bracket.
- Rope fastener is attached from the top mounting hole to the threaded hole in the MultiFast bracket with a stainless steel M8x20 flange bolt (11) and secured with a flange nut (10).
- The rope fastener is attached from the other three mounting holes to the walkway with 3 stainless steel M8x20 flange bolts (11) and flange nuts (10).



USE

A roof walkway must be used when the roof inclination is more than 1:8. If the height of the building is more than 9 meters, safety rope fixing structures must be provided (Finnish Ministry of the Environment, Decree on the safe use of buildings on January 1, 2018). The EN 516 standard gives two performance classes for roof walkways: class 1 and class 2. Class 1 means that the product is suitable for use as access way and class 2 means that the product can also be used as a safety rope anchoring point. Personal fall arresters may only be attached to class 2 roof walkways. Pisko roof walkway has been dimensioned against 1,5 kN (~150 kg) concentrated load (load from the user).

The Pisko roof walkway installed parallel to the slope on seam roof with Pisko MultiFast Optim fastener is manufactured in compliance with EN 516 and it has passed the static and dynamic tests specified in the relevant standard for class 2. An appropriate safety rope can be fixed to a roof walkway, which is installed in accordance with class 2. The safety rope must be intended to be used as a personal safety rope and it must conform to relevant standards such as e.g. EN 353-2 and should be equipped with a shock absorber (EN 355). A Pisko SafeLine wire system's glider, a horizontal carriage that moves along the Pisko safety rail or, alternatively, a rope fastener is used as a safety rope attachment point with Pisko roof walkways (see the separate installation instructions for these products). Moreover, the following must be taken into consideration when using a safety rope:

- Only safety ropes (e.g. EN 353-2) or retractable lanyards (EN 360) that are meant to be used as a personal fall protection equipment should be used.
- Only one person at a time, with a total weight of max. 150 kg, including the equipment, is allowed to fix a safety rope to a safety rope anchoring point.
- The distance between attachment points must be at least four (4) meters if more than one user is attached to the same roof walkway or horizontal safety rail.
- More than one person can be attached simultaneously to the Pisko SafeLine that is installed on a roof walkway, provided that there is at least two wire holder brackets in between the users. More information on Pisko SafeLine installation instructions.
- The safety rope may only be used towards the eave on the pitched roof area where the roof walkway is installed.

MAINTENANCE

Pisko products are hard-wearing and safe to use, guaranteed by the ongoing quality control and development work by Piristeel Ltd, as well as correct installation of the products according to the manufacturer's instructions. To ensure the reliability and safety of the products, the property owner must carry out yearly inspection and maintenance procedures, and monitor that the snow load specified by the regulations is not exceeded.

The property owner must have all roof safety products, that have been installed and used according to class 2, and personal safety equipment inspected by a professional authorized by the manufacturer.

Yearly maintenance inspection checklist for Pisko products:

- Check the tightness of joints, connections and attachments.
- Check the roof attachments (fixings).
- Ensure any excessive snow load is cleared to minimize the strain on structures and attachment points (as necessary; there might be a need several times during the winter).
- As necessary, clear the roof walkways of snow and ice.
- Check the paintwork and zinc coating of the products; repair faults and touch up paintwork if necessary.
- Replace or repair any damaged or faulty parts as soon as possible.

CE

Piristeel Oy

Metallitie 4, 62200 Kauhava

Finland

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EN 516

Pisko roof walkway for seam roofs with Pisko MultiFast Optim fastener walkway installed along the pitch

1387

Type B

Mechanical strength: Class 1 and Class 2

Reaction to fire: Class A1

Durability: Z275 + powder coating 80 µm

External fire performance: DTS

This product has been installed in accordance with the installation instructions by

Company	Installer	Date