

## PISKO ROOF WALKWAY FOR LOAD-BEARING PROFILED SHEETS OVER 45 MM OF HEIGHT

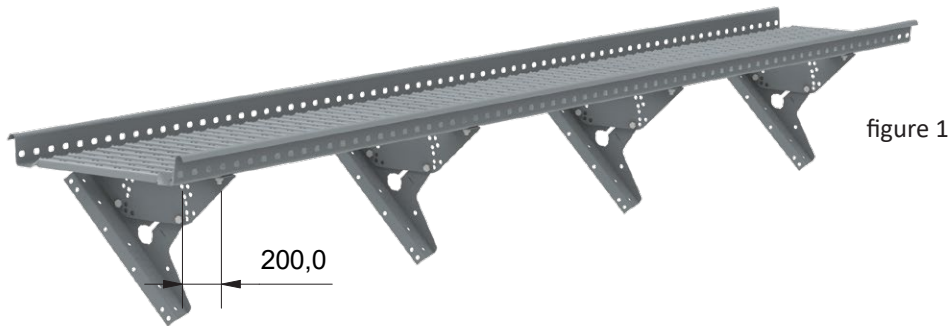


figure 1

### INSTALLATION

Pisko roof walkway can be installed on roofs with a roof slope of 9-45 degrees.

The use of bracket "LE 350 on top of profile" is permitted only if the sheet has been designed and executed as a load bearing steel structure, and the minimum thickness of the material is 0.70 mm.

The inclination adjustment plate shall be fixed to the roof bracket by using 2 pcs of M8x16 hexagon bolts and M8 hexagon nuts (figure 3).

The inclination adjustment plate is used to adjust the roof walkway to the horizontal level. The most common roof pitches and corresponding holes are shown in the figure 2.

The walkway shall be fixed to each inclination adjustment plate by using 2 pcs of M8x16 hexagon bolts and M8 hexagon nuts (figure 4).

The extension of the walkways shall be done by overlapping and securing the connection from both sides by using 2 pcs of M8x16 hexagon bolts and M8 hexagon nuts (figure 5).

The distance between the roof brackets shall not be more than 1200 mm.

The edges of the roof walkway chain shall not outreach the closest roof brackets by more than 200 mm (figure 1).

Always use at least three brackets when installing a roof walkway.

The "LE 350 on top of profile" brackets shall be installed directly to the crown of the profile. Fix the bracket to the sheet by using six 7x40 HVAC screws, four screws on the bended side edge of the bracket and two screws on the top (figure 6,7). Ensure the water tightness by using a suitable rubber sealant between the bracket and the profiled sheet.

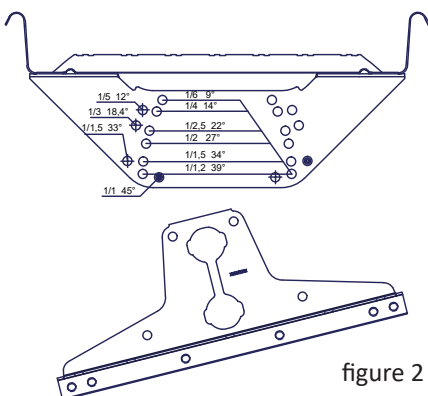


figure 2

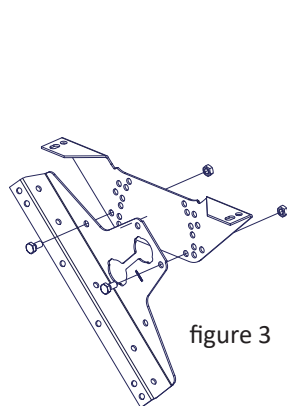


figure 3

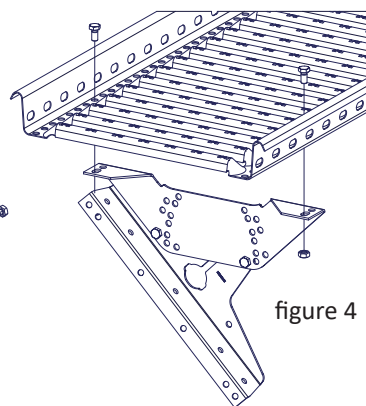


figure 4

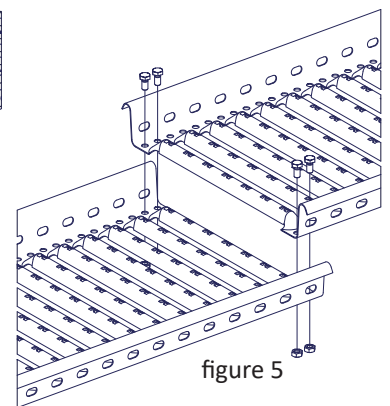


figure 5

Part	Description
1	Roof walkway 350 mm x 3000 mm
2	Inclination adjustment plate
3	LE 350 on top of profile
4	M8x16 hexagon bolt, hot-dip galvanized
5	M8 hexagon nut, hot-dip galvanized
6	HVAC-screw 7x40 or 7x50
7	EPDM sealant strip / rubber seals

figure 6

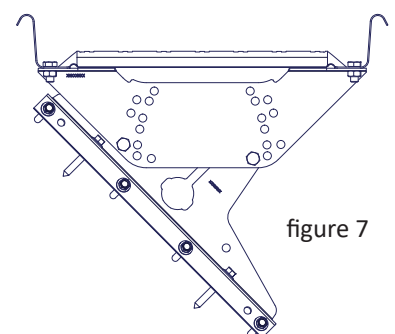
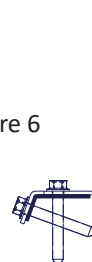


figure 7

## 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). Standard EN 516 provides two installation options for roof walkways: class 1 and class 2. Using personal fall protection equipment, a person is only allowed to attach themselves to a roof walkway, which is installed in accordance with class 2.

The Pisko roof walkway is manufactured in compliance with EN 516 and the roof walkway system has passed the static and dynamic tests specified in the relevant standard for class 2.

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). In addition, when a safety rope is used, the following shall be taken into account:

- Only one user at a time may attach a safety rope to the roof ladder, and the user's total mass, including equipment shall not exceed 150 kg.
- 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.
- The safety rope may only be used on the side of the roof where the roof walkway is and in the direction of the eaves.

## 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.

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<b>EN 516</b> Pisko Roof Walkway for load-bearing profile metal sheet roof, 1320 Type B <b>Mechanical strength:</b> Class 1 and Class 2 <b>Reaction to fire:</b> Class A1 <b>Durability:</b> Z275 + powder coating 80 µm <b>External fire performance:</b> DTS

This product has been installed by

COMPANY

INSTALLER

According to class 1:

According to class 2: