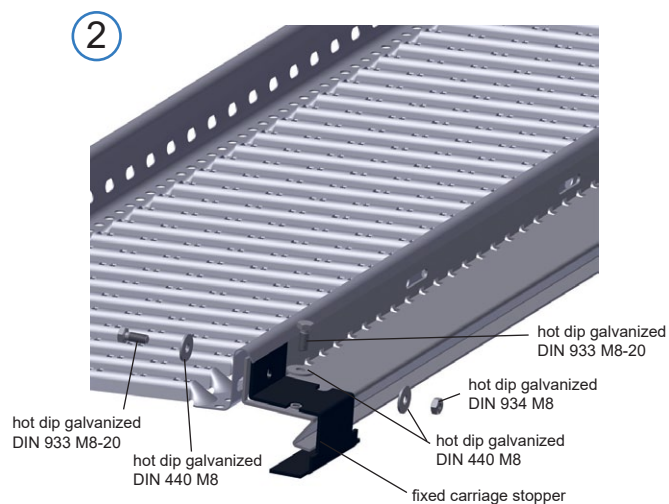
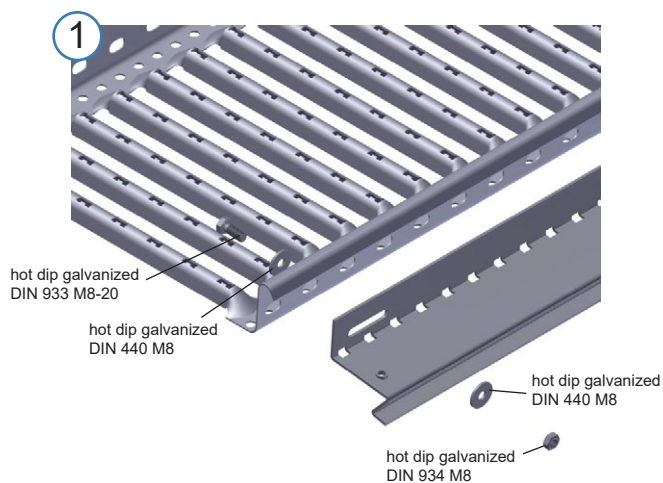


# INSTRUCTIONS FOR INSTALLATION, USE, AND MAINTENANCE OF THE PISKO HORIZONTAL SAFETY RAIL SYSTEM

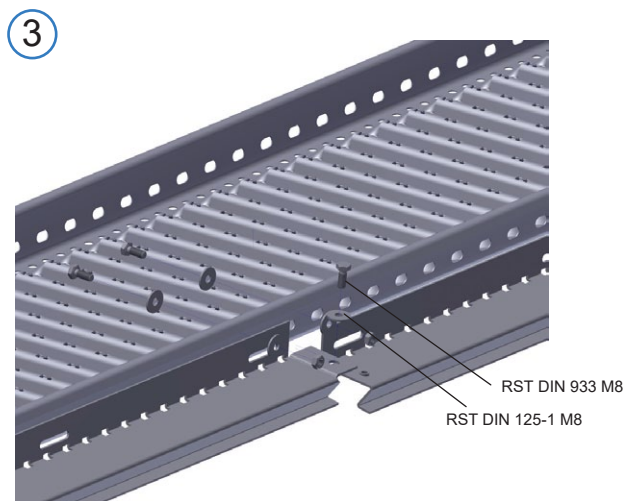


## INSTALLATION

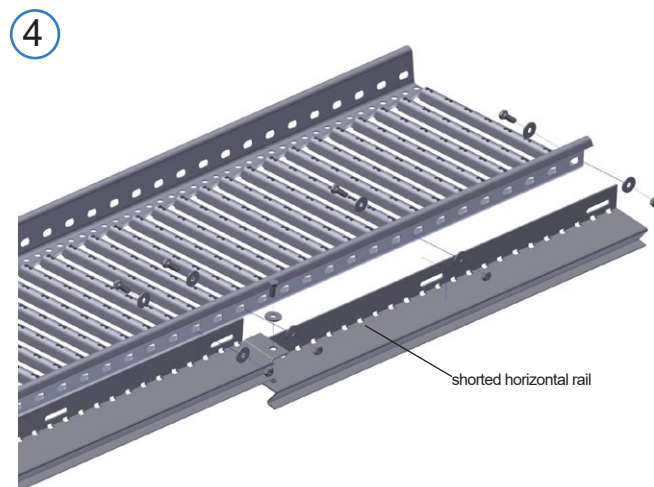


Attach the first horizontal rail to the roof walkway with four M8x20 screws and nuts through every third oval hole on the horizontal rail at approximately one meter intervals. Use a washer both between the screw head and nut. Note: If a fixed carriage stopper is used, see also section 2.

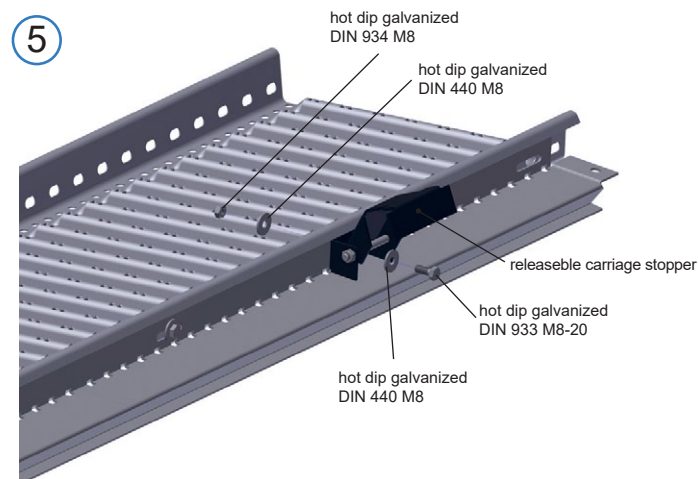
Mount fixed carriage stoppers to the horizontal rail while fastening the outermost fastening screw on the rail. Secure the attachment by placing another bolt in the tapped hole of the rail or, if necessary, by drilling an attachment hole for an M8x20 screw and nut.



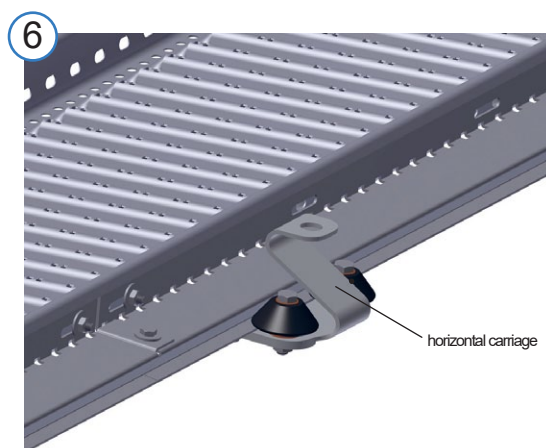
Install the subsequent horizontal rails ensuring that the neck mounting at the other end of the rail is placed in the hole at the end of the next rail. Secure the extension point with M8x8 RST screws. Also attach each horizontal rail to the roof walkway with four M8x20 screws and nuts as described in step 1.



Shorten the last rail as necessary. Attach the end of the rail through the last oval hole. If the last intact oval hole of the horizontal rail is over 150 mm away from the rail end, drill the last hole at a distance of approx. 70 mm from the rail end.



Mount releasable carriage stoppers at a minimum distance of 320 mm from the horizontal rail end.



Finish by installing carriage stoppers at the end of the rail (see section 2 or 5). If mounting fixed carriage stoppers at both ends of the profile, remember to install the horizontal carriage on the rail before mounting the last stopper.


## USE

The user must read the instructions for use carefully before attaching him-/herself to the safety rail. In addition, the user must be aware of the site's rescue plan, in case any emergency situations should arise.

- The Pisko horizontal safety rail system is only intended for the purposes described in the instructions for use, and the system must be installed in accordance with the installation instructions. No modifications are allowed to be made to the horizontal safety rail system.
- The Pisko horizontal safety rail system's intended use is to function as a system that supports the user and prevents falling (EN 363). This must be taken into consideration when determining the length of the safety rope on site.
- Only a Pisko horizontal carriage can be used as an arrester in the Pisko horizontal safety rail system.
- Only one person at a time can fasten themselves to the horizontal carriage, and the maximum mass of this Person, with equipment, is 150 kg.
- The safety rope cannot be attached directly to the horizontal carriage, but a round-edged shackle or an equivalent approved fastening mechanism must be used.
- During use, it must be ensured that the safety rope cannot chafe against any sharp edges.
- If there are several mobile horizontal carriages on the same horizontal rail, the distance between the carriages during use must be 4 meters.
- The Pisko horizontal safety rail system has been designed for use on the Pisko roof bridges, but it can also be used on the roof bridges of other manufacturers installed according to class 2, if fastening is possible on the basis of the installation instructions.
- The Pisko horizontal carriage system can also be used by attaching it to other structures, if the fastening interval in the installation instruction ensures strengths determined in standard EN 795:2012.
- If the horizontal safety rail system on site is installed such that the carriage must be detached from the rail or the safety rope must be detached from the carriage, when moving from one rail to the next (e.g., a corner of equivalent), the user should be extra careful. If possible, the transfer of the carriage should be planned such that the user can attach him-/herself to another safety-rope fastenin location for the duration of the transfer.
- The horizontal carriage's primary direction of use is perpendicular to the forward direction from the rail. If you use the horizontal rail in other directions of use, make sure that the rail's fastening point also fulfills the relevant requirements.
- The horizontal carriage is intended for use in a 0–45 degree angle, in relation to the horizontal direction.

## MAINTENANCE

- The horizontal safety rail system must be inspected or discarded from use, if there is any doubt about its safe condition.
- The horizontal safety rail system is recommended to be inspected every year by a person authorized by the manufacturer. (Contact information can be found on the website of Piristee Oy, [www.piristee.fi](http://www.piristee.fi))
- Damaged parts must be repaired before use of the system.

 <p>VTT-VA-00003-15</p>	<p>Piristee Oy Metallitie 4 FI-62200 Kauhava FINLAND</p>
<p>Product</p>	<p>Pisko horizontal safety rail system</p>
<p>Intended use</p>	<p>Roof safety product - safety rail for roof</p>
<p>Performance levels</p>	<p>Criteria based basic standard</p>
<p>Static load durability</p>	<p>No breakage with load <math>\geq 12</math> kN (System equipped with spring absorber 0,7 kN force, max 10mm deformation in damping components.)</p>
<p>Mechanical load durability</p>	<p>Must withstand the load caused by the falling object 100/300 kg.</p>
<p>Corrosion resistance</p>	<p>Resistance class C3 medium</p>