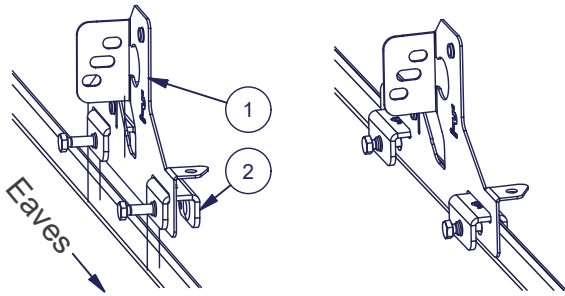


Roof ridge safety rail with pipe for standing seam roof

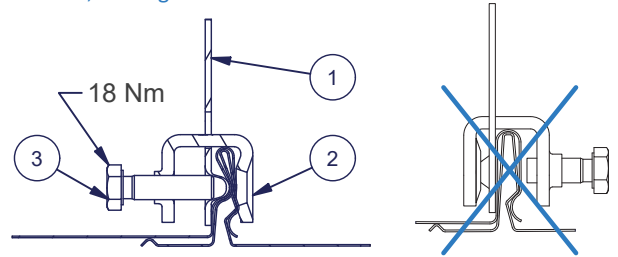
ASSEMBLY

SG Fastener Uniseam 3-pipe (1) is mounted on standing seam with SG Tightening Clamps (2). Attach fastener and clamps to the seam.



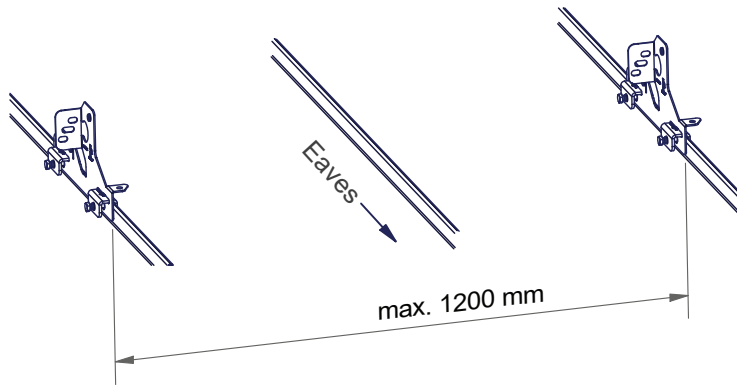
Tightening torque of the fastening bolt (3) is 18 N/m. Correct tightening torque will spread out the Tightening clamp a bit, in order to create a tight long-lasting connection.

NB! The bolt of Tightening clamp must always be against the fastener, NOT against the seam.



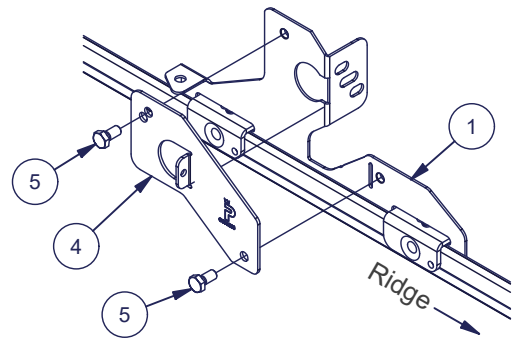
Maximum distance between the fasteners is 1200 mm.

The recommended location for the roof ridge safety rail is close to the roof ridge. If the roof ridge safety rail is installed lower on the roof, the product will start to act like a snow guard. In this case, it is recommended to use a shorter bracket spacing.

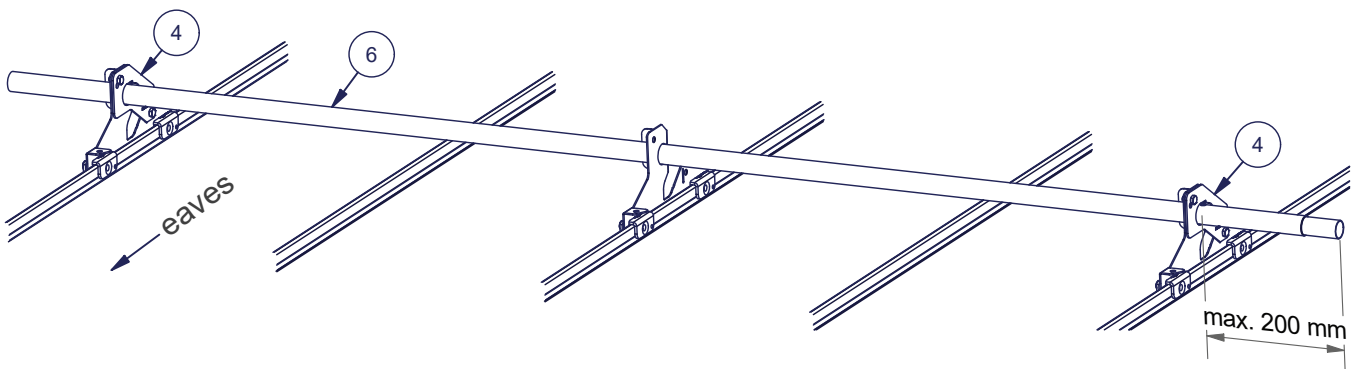


Attach the Locking brackets for ridge rail (4) to the outermost SG Fasteners (1) in each continuous length with two M8x16 bolts (5).

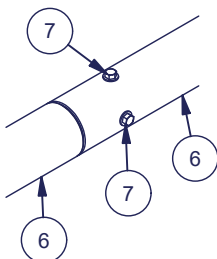
*Note separate instructions for the aluminum seam roofs.



Slide the pipe (7) through holes of the brackets. Maximum protrusion from the outermost bracket is 200 mm.

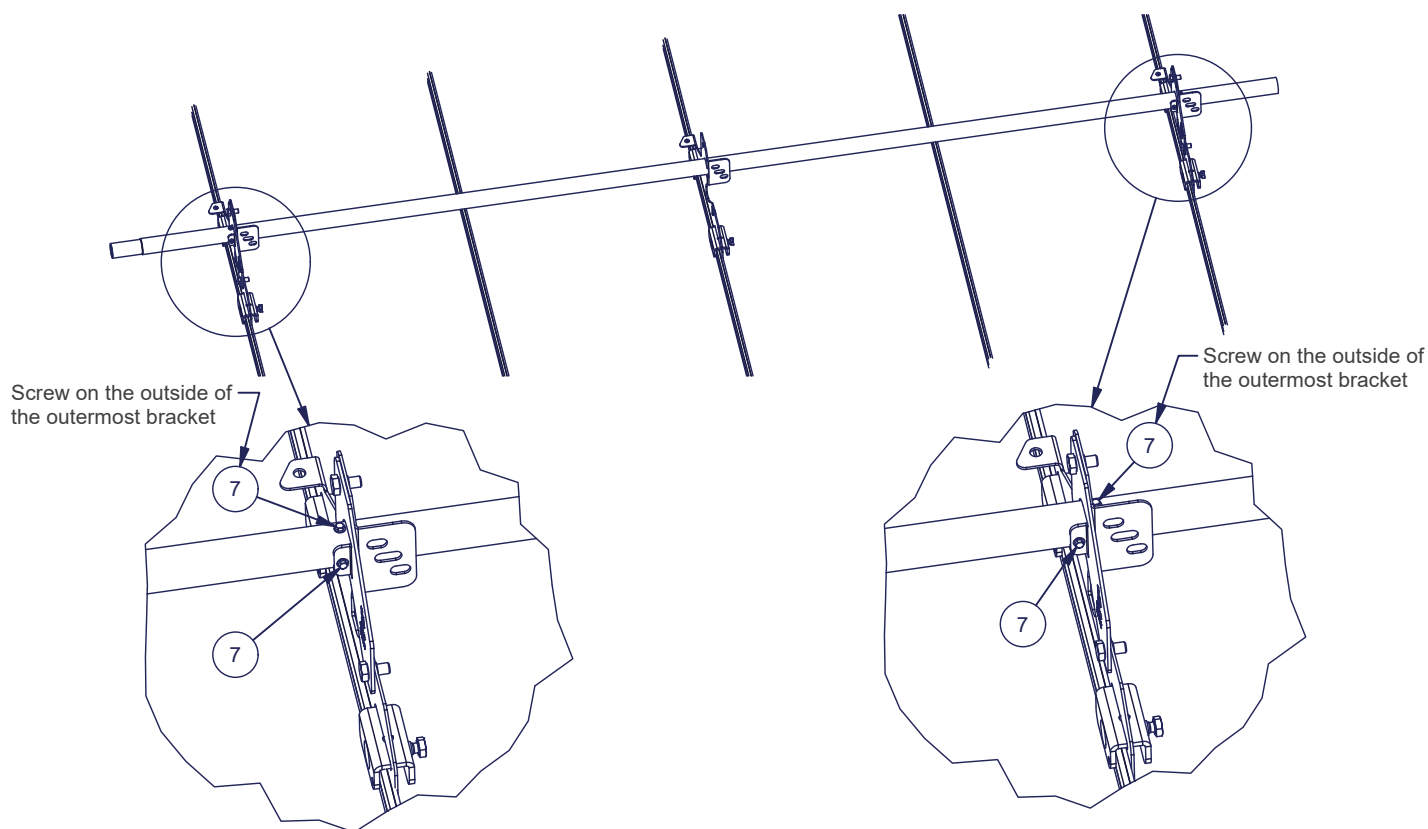


The extension of the pipes shall be done by sliding the pipe end with solid reducer inside the adjacent non-reduced pipe and fixing pipe fixing screws (7) (min. 2 pcs/joint) through the pipe connections.



Part	Description
1	SG Fastener UniSeam 3-pipe
2	SG Tightening clamp, Pisko Uniseam
3	Fastening bolt DIN 933 - M8 x 30
4	Locking bracket for ridge rail
5	Bolt DIN 933 - M8 x 16 HDG
6	Snow guard pipe \varnothing 32
7	Pipe fixing screw, e.g. 4,8x25 self-tapping farmer screw or 4,8x19 self drilling screw
8	Auxiliary fastener, 3-pipe SG Uniseam

Attach the outermost brackets to the pipe with two fixing screws (7).



Requirements for min. raw material thickness by roof type:

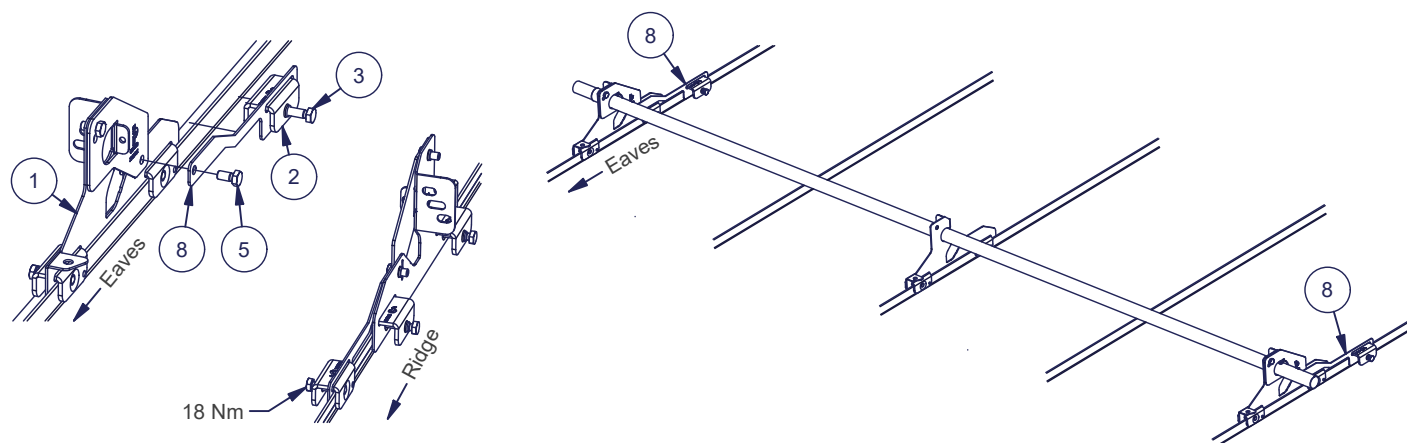
- Standing seam roofs (lock seam)
 - steel 0,5 mm
 - aluminum 0,7 mm
- Standing seam roofs (tinsmith)
 - steel 0,5 mm
 - aluminum 0,8 mm

Part	Description
1	SG Fastener UniSeam 3-pipe
2	SG Tightening clamp, Pisko Uniseam
3	Fastening bolt DIN 933 - M8 x 30
4	Locking bracket for ridge rail
5	Bolt DIN 933 - M8 x 16 HDG
6	Snow guard pipe Ø32
7	Pipe fixing screw, e.g. 4,8x25 self-tapping farmer screw or 4,8x19 self drilling screw
8	Auxiliary fastener, 3-pipe SG Uniseam

ASSEMBLY - Aluminum standing seam roofs

Installing ridge and roof foot rail on an aluminum tinsmith or lock seam roofs requires Auxiliary fasteners (8) to the outermost SG fasteners.

Attach the Auxiliary fastener, 3-pipe SG UniSeam (8) to SG fastener (1) with M8x16 bolt (5) and SG tightening clamp (2) to seam. The installation direction of the tightening clamp of the auxiliary fastener is opposite than the tightening clamps of the SG fastener. Tightening torque of fastening bolt (3) is 18 N/m.



USE

The ridge rail is intended as a fall arresting safety rope anchoring point. Since the rail and its fastening systems form a rigid unit, it can also be used to work while slightly leaning on the safety rope. The length of the safety rope should always be adjusted to prevent the user from falling over the edge of the roof. However, the system is not intended to be used as a suspended scaffold.

One person can be connected to one continuous ridge rail unit at the same time. The roof can be equipped with working areas with separate ridge rails, allowing several people to work on the same roof while attached to a safety rope.

Before each use, the system, including its attachments, must be checked to ensure that it is intact and firmly attached to its mounting platform.

When using the system, at least the following points must be taken into account:

- The ridge rail has been inspected periodically
- A safety rope (e.g. EN 353-2) or a safety reel (EN 360) used is compliant with regulations
- Only one user at a time may be attached to the ridge rail with safety rope. User's total weight with equipment may not exceed 100 kg.
- The safety rope shall never be attached to the fastener of the ridge rail, only to the ridge rail pipe.
- The safety rope shall be attached only to the area of the ridge rail pipe between the fasteners, never outside the outermost fastener.

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 make sure that excessive snow load does not accumulate on the roof.

Yearly maintenance inspection checklist for roof ridge safety rail:

- Check the tightness of joints, connections and attachments.
- Check the condition of the locking screws of the outermost fasteners.
- Check fixings to the roof
- 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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