

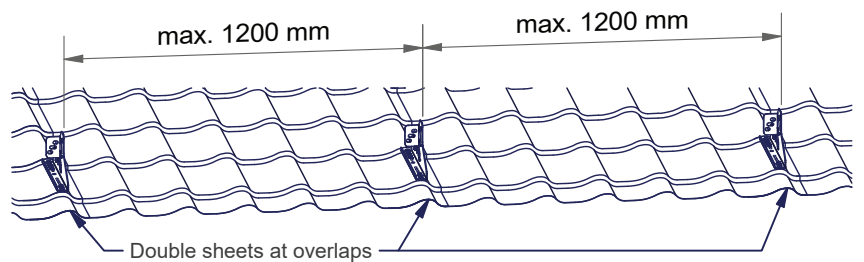
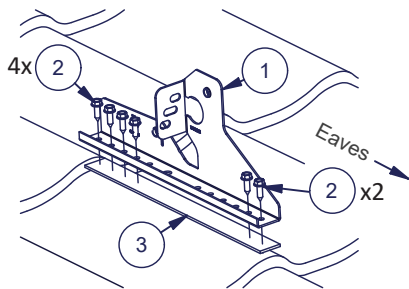
Pisko SnowDefence 150 3-pipe snow guard for profiled sheet metal roofs

The minimum thickness of the steel material is 0.5 mm.

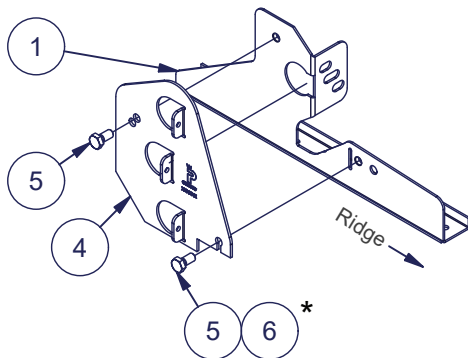
INSTALLATION

Install e.g. an EPDM-sealant strip (3) between the bracket for sheet metal roofs (1) and profile sheet. Install the bracket (1) on top of the profile with six (4+2) Pisko sheet metal screws (2). Do not over tighten the screws! (See tightening instructions on page 2).

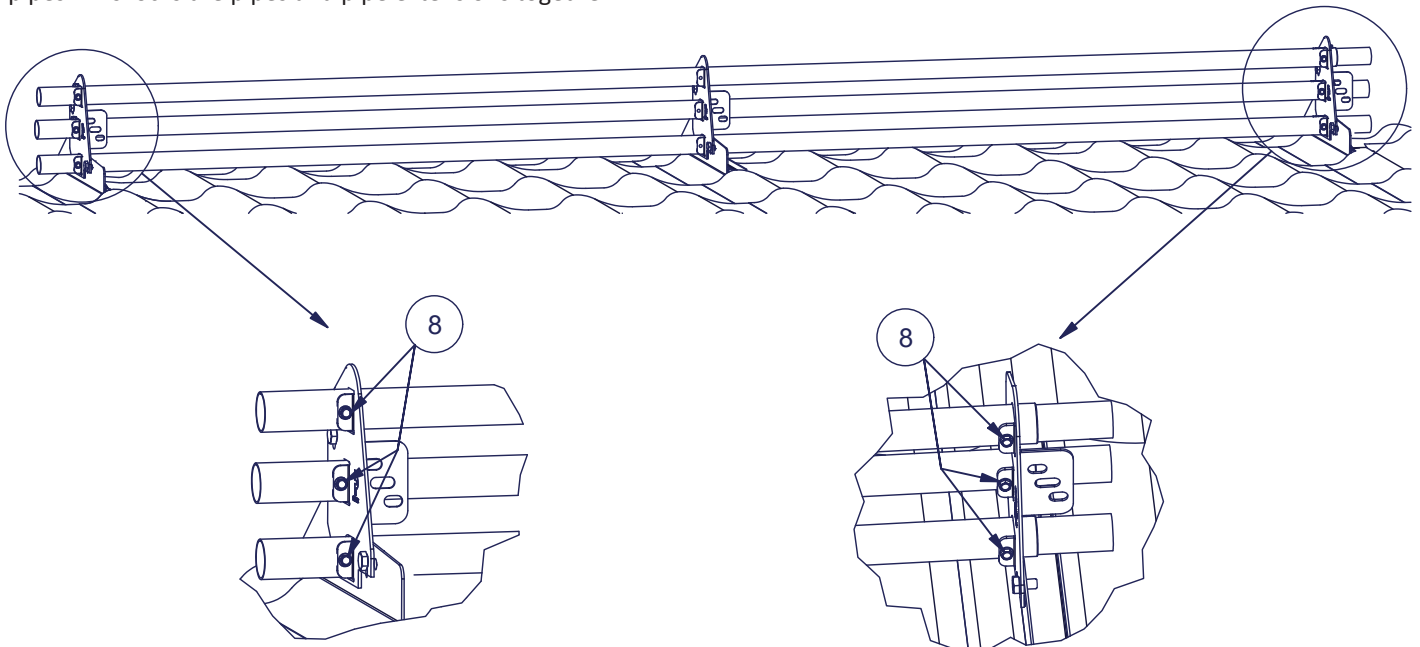
The brackets (1) are installed on top of the extension where two metal sheets overlap. The outermost brackets may be installed on single plate. Distance between the mounting plates max. 1200 mm



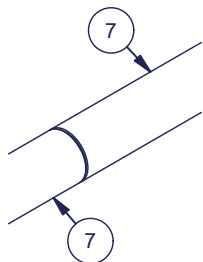
Attach the Locking bracket for snow guard pipes (4) to each bracket (1) with two M8x16 bolts (5).



Fasten the pipes to the outermost brackets with three fixing screws (8) from fixing lugs on the locking bracket for snow guard pipes. This locks the pipes and pipe extensions together.



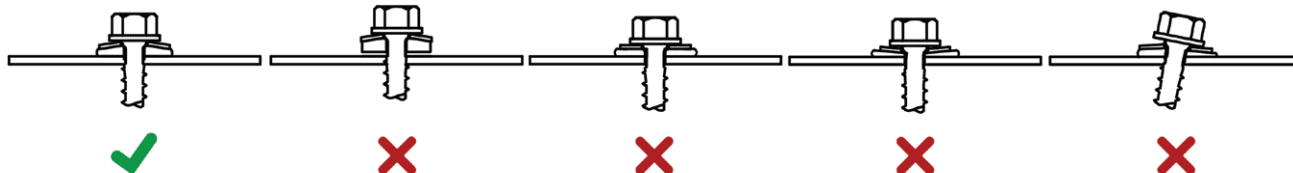
The extension of the pipes shall be done by sliding the pipe end with solid reducer inside the adjacent non-reduced pipe.



Part	Description
1	Bracket for sheet metal roofs
2	Pisko sheet metal screw 6,3x19
3	Adhesive sealant
4	Locking bracket for snow guard pipes
5	Bolt M8x16 DIN 933 HDG
6	Bolt M8x30 DIN 933 HDG
7	Snow guard pipe Ø32
8	Pipe fixing screw, e.g. 4,8x25 self-tapping farmer screw or 4,8x19 self-tapping screw

Pisko Sheet metal screw tightening guide

The screw should not be over tightened, and it is recommended to tighten the screw at <600 rpm.

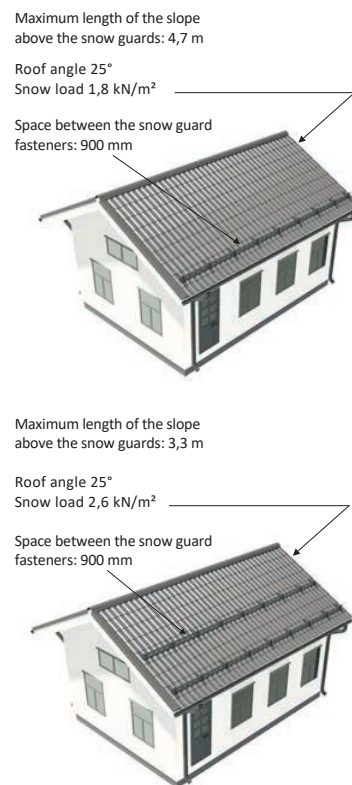


MAXIMUM LENGTH OF ROOF SLOPE (RT Reference Card 85-11132)

Indicative figures for the maximum distance (m) of the roof slope above the snow guard on a smooth surface. The maximum distance on coarse roofs, such as bitumen roofs can be increased by 1.3 – 1.5 times the stated amount. The snow load values shown are the actual snow loads on a roof.

Roof's inclination angle (°) and snow ratio (the ratio of the slope to the horizontal width of the roof pane)	Maximum length of slope above the snow guards					
The characteristic value of the snow load on the roof: 1,8 kN /m ²						
Space between the snow guard fasteners	0,5 m	0,6 m	0,75 m	0,9 m	1,0 m	1,2 m
Roof's inclination angle and snow ratio						
< 15°, (1:3,7)	21,4	17,9	14,3	12,0	10,7	9,0
15... 22°, 1:3,7... 1:2,5	11,4	9,5	7,6	6,3	5,7	4,8
22... 27°, 1:2,5... 1:2	8,4	7,0	5,6	4,7	4,2	3,5
27... 37°, 1:2... 1:1,3	7,4	6,2	4,9	4,1	3,7	3,1
37... 45°, 1:1,3... 1:1	9,0	7,5	5,9	5,0	4,5	3,7
The characteristic value of the snow load on the roof: 2,0 kN /m ²						
Space between the snow guard fasteners	0,5 m	0,6 m	0,75 m	0,9 m	1,0 m	1,2 m
Roof's inclination angle and snow ratio						
< 15°, (1:3,7)	19,1	16,1	12,9	10,8	9,6	8,1
15... 22°, 1:3,7... 1:2,5	10,2	8,6	6,9	5,7	5,1	4,3
22... 27°, 1:2,5... 1:2	7,6	6,3	5,1	4,2	3,8	3,2
27... 37°, 1:2... 1:1,3	6,7	5,6	4,4	3,7	3,3	2,8
37... 45°, 1:1,3... 1:1	8,2	6,8	5,3	4,5	4,1	3,3
The characteristic value of the snow load on the roof: 2,6 kN /m ²						
Space between the snow guard fasteners	0,5 m	0,6 m	0,75 m	0,9 m	1,0 m	1,2 m
Roof's inclination angle and snow ratio						
< 15°, (1:3,7)	15,0	12,5	9,9	8,3	7,5	6,2
15... 22°, 1:3,7... 1:2,5	8,0	6,6	5,3	4,4	4,0	3,3
22... 27°, 1:2,5... 1:2	5,8	4,8	3,9	3,3	2,9	2,4
27... 37°, 1:2... 1:1,3	5,2	4,3	3,4	2,8	2,6	2,1
37... 45°, 1:1,3... 1:1	6,2	5,2	4,1	3,5	3,1	2,6

PICTURED IS AN EXAMPLE OF SNOW GUARDS BEING USED ACCORDING TO THE TABLE.



Pisko Snow Guards are capable of bearing a load of at least 5 kN/m, in the direction of the inclined roof. By following the values in the table these requirements are fulfilled.

 EUFI29-19002814-VA	Piristee Oy Metallitie 4 FI-62200 Kauhava
	Product Pisko snow guards
Intended Purpose	A roof safety product – The snow guards are used for preventing snow and ice falling from the roof.
Performance levels	
1. Minimum height	Declared
2. Extensions	Fixed
3. Static load-bearing capacity	With a 1.5-kN concentrated load and a 5-kN load in the inclination direction of the pitched roof area, the deflection is less than 20 mm and the permanent deflection less than 5 mm.
4. Corrosion resistance	Corrosion resistance class C3 medium

MAINTENANCE

Pisko products are hard-wearing and safe to use, guaranteed by the ongoing quality control and development work by Piristee 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 Pisko snow fence:

- Check the tightness of joints, connections and attachments.
- Check fixings to the roof
- Take care to regularly clean the accumulated debris and dirt in the snow fence (such as leaves)
- Ensure any excessive snow load is cleared to minimize the strain on structures and attachment points of snow fence (as necessary; there might be a need several times during the winter). Product durability in accordance with the certification certificate.
- 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.