ROOF SAFETY SYSTEMS BV

RSS SLOPING ROOF

MANUAL
Certified according EN13374+A1:2019 (Class C)

EN

WARNING

All instructions in this manual must be strictly followed. Failure to follow the instructions in this manual may result in serious accidents. **RSS Roof cannot be held liable for any damage, resulting from non-compliance with the manual and from the use (in combination) of non-original RSS Roof parts and components!**

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EN-RSS-Roof instructions 2025-SR-002
www.roofsafetysystems.com

ROOF SAFETY SYSTEMS BV

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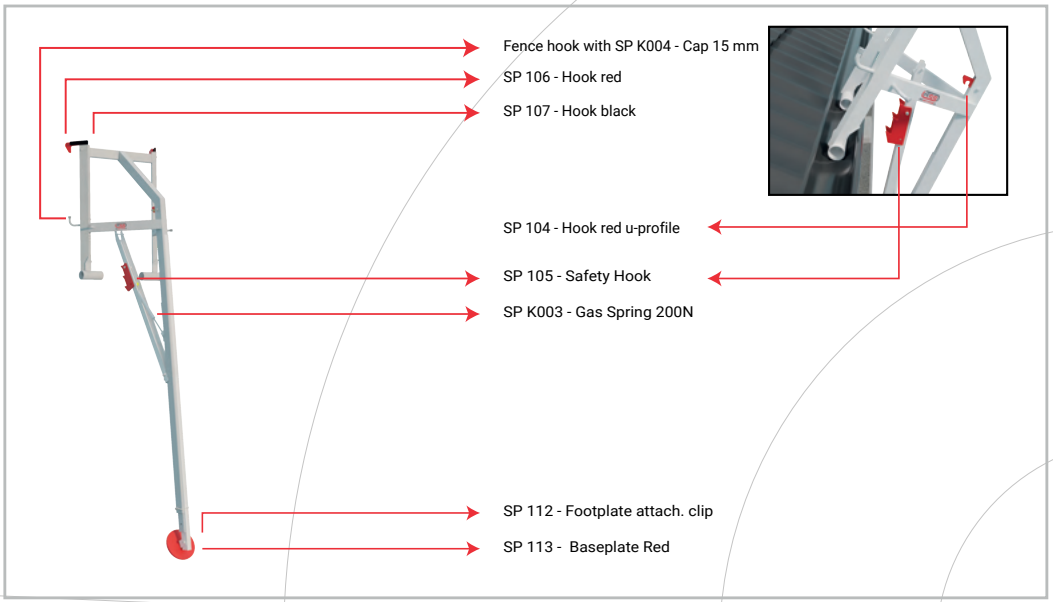
SPARE PARTS RSS SLOPING ROOF



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COLLECTIVE FALL PROTECTION FOR SLOPING ROOFS

According to local and European guidelines, in most cases it is a legal requirement to secure the eaves against the danger of falling when working on a roof. The RSS Sloping Roof System is designed to provide effective collective fall protection on both flat and sloping roofs. The RSS system can be used with a fence of 3 and 2 meters in length.

When installed in accordance with these instructions, it is suitable as temporary edge protection as defined in EN 13374 +A1 2019 for roof pitches up to and including 60 degrees if the fall height is <5 meters. The system may only be used if the boundary conditions of use are also met.

EXTENSION: COMPLETE FALL PROTECTION WITH THE RSS ROOF SHELTER

Using the RSS Roof Shelter, a pitched roof can be fully equipped with temporary collective fall protection. The RSS Roof Shelter has been specially developed as a complementary extension to the RSS Sloping Roof System, which effectively secures not only the long sides but also the facade.

Combining the two systems creates a continuous safety zone around the entire roof area, fully in line with the requirements of EN 13374+A1:2019. Easy to use with the RSS Sloping Roof System, the RSS Roof Shelter provides a practical and safe solution for complete roof edge protection when working at height. More information on the installation and application of the RSS Roof Shelter can be found at www.roofsafetysystems.com and through your local dealer.

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USER INSTRUCTION

Before starting assembly and disassembly work, carefully read the safety instructions and preconditions below and follow all instructions carefully. Failure to properly assemble the RSS SLOPING ROOF may result in dangerous situations that could lead to accidents and injuries. RSS-Roof cannot be held liable for any (consequential) damage of a personal, material or financial nature.

General:

- The edge board is a mandatory component.
- The fence of this system can be positioned either with the kink toward or away from the building
- The base of the upright should be fully supported on, and level with, the façade.

For a sloping roof with gutter

- The gutter is sized and positioned to allow the upright to hook stably into the gutter.
- The gutter, flashings and facade are in sound, strong condition. *
- The gutter contains a bead edge or other type of edge where the anti-lift-out blocker (SP 105 - Safety hook) hooks behind so that the upright cannot be lifted out of the gutter.
- The fence extends at least 1 meter perpendicularly above the roof plane and the angle between the edge board and top railing is a maximum of 15 degrees to the vertical. See Figure 2 on page 5.
- In situations like Class C (see drawing page 10), the hook bracket is mandatory. See Figure 1 on page 5 for more information.

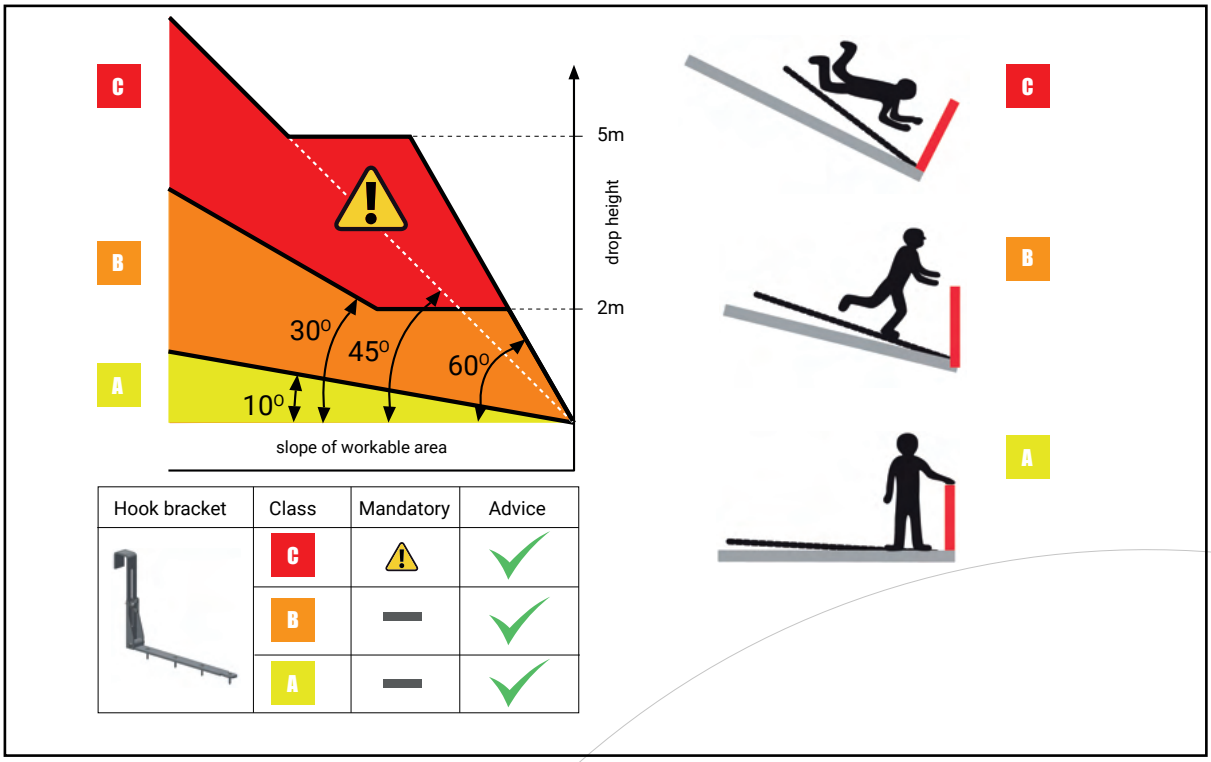
For a flat roof with upstand edges

- The eave has a sufficiently high curb (at least 10 cm) to hook the upright behind.
- The eaves and façade are sufficiently strong.

* In principle, the RSS system is suitable for sound eaves and zinc box and mast gutters with sufficient gutter brackets (max. 60 cm centres). The system is not suitable for plastic gutters. An installed RSS system must comply with local and European requirements (EN 13374:2019 Class C). Use the RSS base plate (Art. No. 105) if the eaves, gutter and/or facade are insufficiently strong!

WHEN TO USE THE HOOK BRACKET:

The hook bracket should be used in situation C.



Hook bracket	Class	Mandatory	Advice
	C	⚠	✓
	B	—	✓
	A	—	✓

Figure 1

POSITION FENCES:

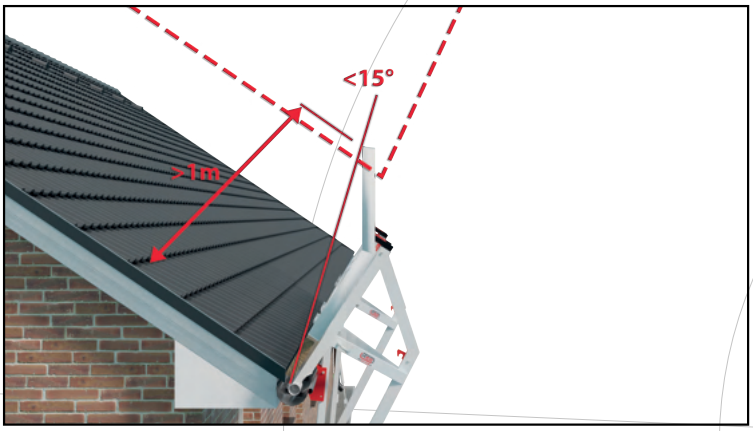
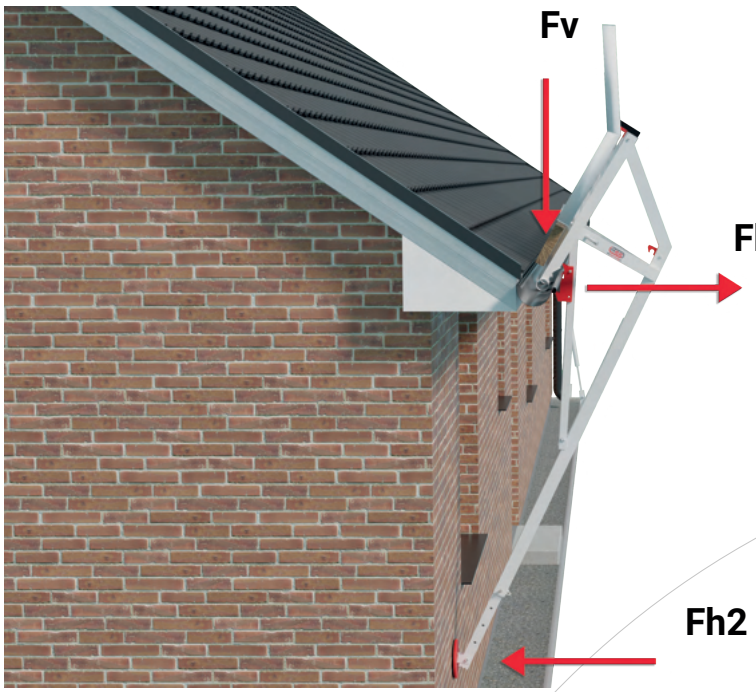


Figure 2

SAFETY INSTRUCTIONS

- Never attach other elements (e.g. sails) to parts of the RSS system.
- Disassemble the system with wind force greater than 5 bft. Wind force 5: fresh breeze, larger branches and trees move, wind is clearly audible and has a speed of 29 to 38 km / h.
  (Source: Beaufortskala)
- During snow or sleet, the roof may be slippery and it is prohibited, even with the RSS roof edge protection system, to enter the roof.
- After a fall of a person or object toward or into the restraint system or its accessories, the system may only be used again after inspection by a authorized person (EN 13374 +A1 2019).
- After a fall of a person or object towards or into the restraint system or accessories, the system may only be used again after inspection by a competent person (EN 13374 +A1 2019).
- Always use undamaged and properly functioning parts! Check all parts before use (the most important parts of the system are marked in red) and undergo a visual inspection!
- Since there is always a risk of falling during construction or disassembly of the system, assembly and disassembly should only be performed by instructed persons. A safe stand is always required for this work.
- Provide individual security during construction, dismantling or moving.

CLASS A, B AND C EN 13374 +A1 2019:



Uitgangspunten voor de berekening van de dynamische belasting (dynamic load) Klasse C

1) One upright takes the full force
2) The energy absorption distance of the upright is 120 mm
3) The gutter is calculated as a fixed and rigid object
4) The impulse load is 0.03 seconds

Fh1 Horizontal reaction force on the gutter
Fh2 Horizontal reaction force arm on the wall
Fv Vertical reaction force on the gutter

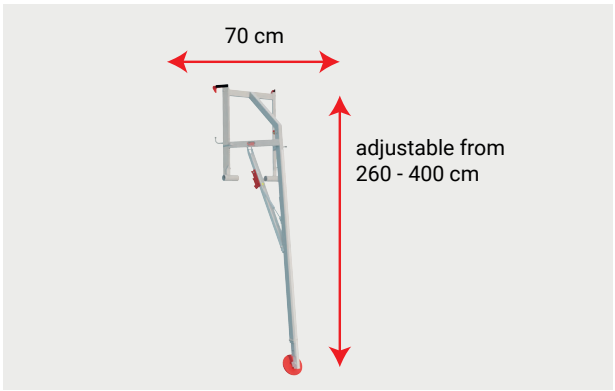
The temporary fall protection system for pitched roofs meets the safety requirements according to the European Standard EN 13374 +A1 2019 Class A, B and C.

class	static load [kN].			dynamic load [kN].			
	Fh1	Fh2	Fv	Roof Inclination	Fh1	Fh2	Fv
A	0.5	0.2	1.5		not applicable		
B	0.7	0.4	1.5	10°	5.0	1.0	1.2
	0.7	0.4	1.5	30°	4.4	1.0	2.8
	0.7	0.4	1.5	45°	3.6	1.0	3.8
	0.7	0.4	1.5	60°	2.6	1.0	4.6
C	not applicable			30° - 60°	6.5	1.0	5.1

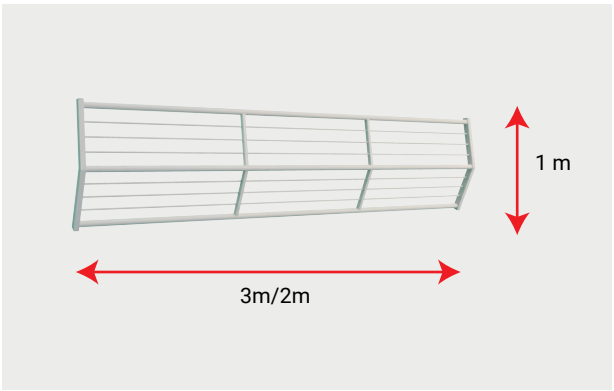
Check the load capacity of the gutter before using the system!
The system is expressly not suitable for plastic or aluminum gutters.
If you are not sure, use the RSS Roof Foot Plate (Art. No. 105).

THE RSS SLOPING ROOF SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS:

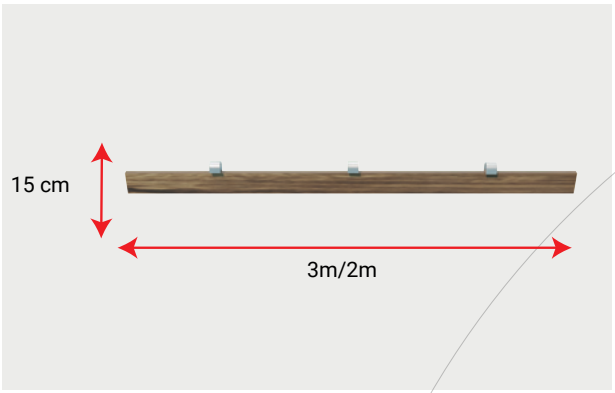
101 - Stanchion



102/S278 - Fence



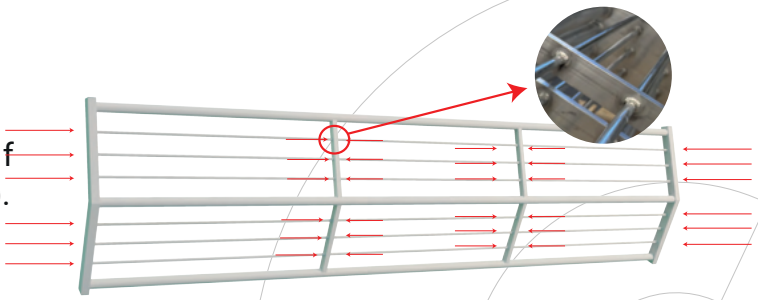
103/S250 - Side plank



104 - Hook Bracket

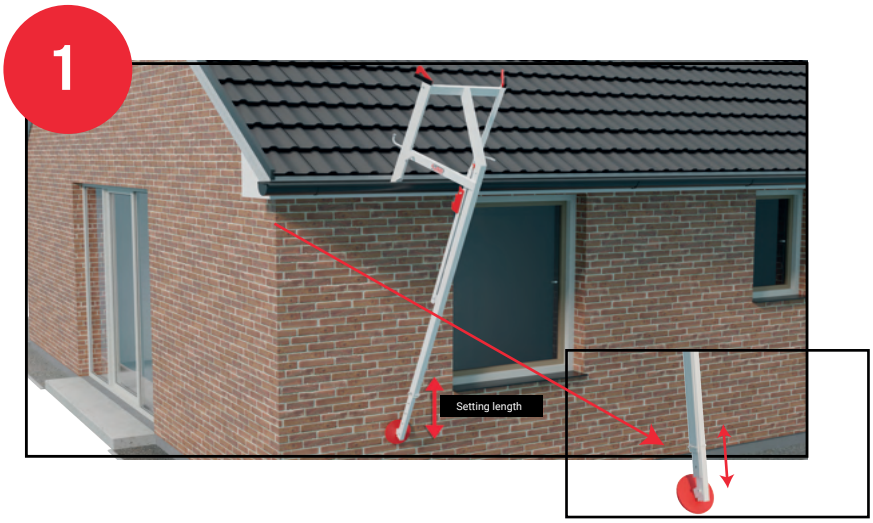
NOTE:

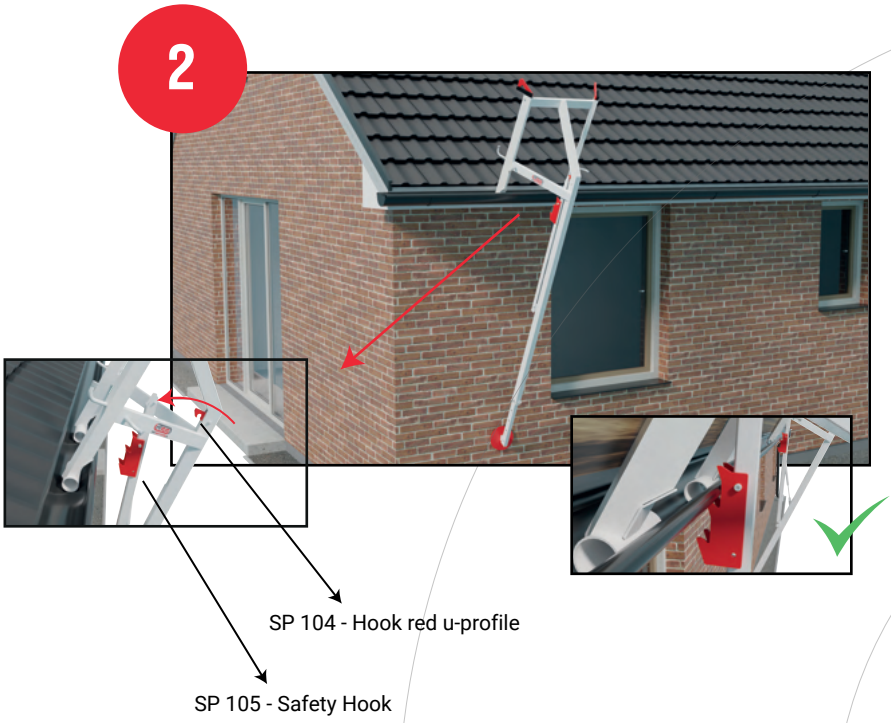
The thin bars are welded with a half moon (see red arrows for location). This complies with the EN13374+A1:2019 test and certification.



STEP 1

Adjust the stanchion adjustment tube to length such that the base can rest flat on a sufficiently strong gable end. Place the stanchion in the gutter.



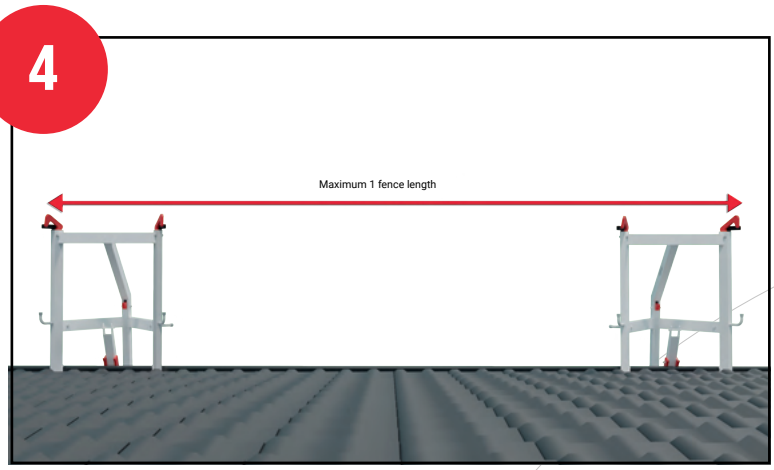


STEP 2

Unlock the arm (SP 105) from SP 104 so that it moves toward the eave or gutter. Check that the stanchion is locked against lifting out of the gutter.

STEP 3

Check if the foot leans flat against the gable end.

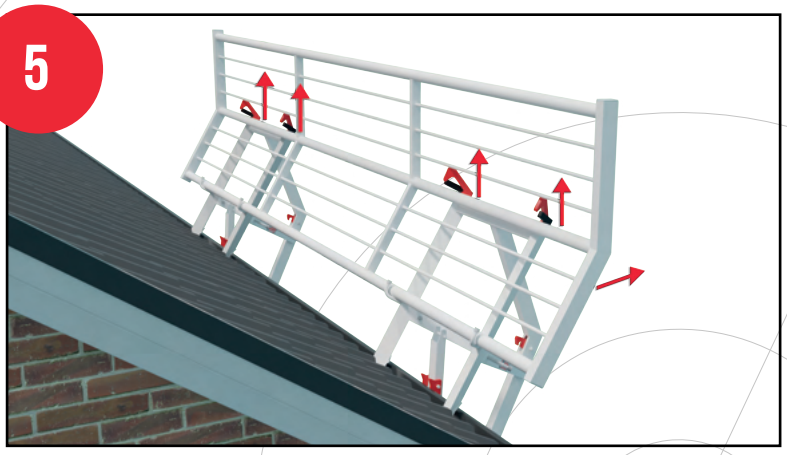


STEP 4

Place the next stanchion (maximum 1 fence length next to the other stanchion).

STEP 5

Push up the hooks (SP 106 and SP 107). Let the bottom of the fence rest on the fence hooks. Now support the entire fence on the stanchion and lower the hooks again so that the fence is locked.



STEP 6

Place the side board by hooking it onto the bottom tube of the fence with a downward and upward movement.
Make sure that the side of the board with the hooks is facing outwards. This ensures that the opening of the hooks is on the side of the roof surface.

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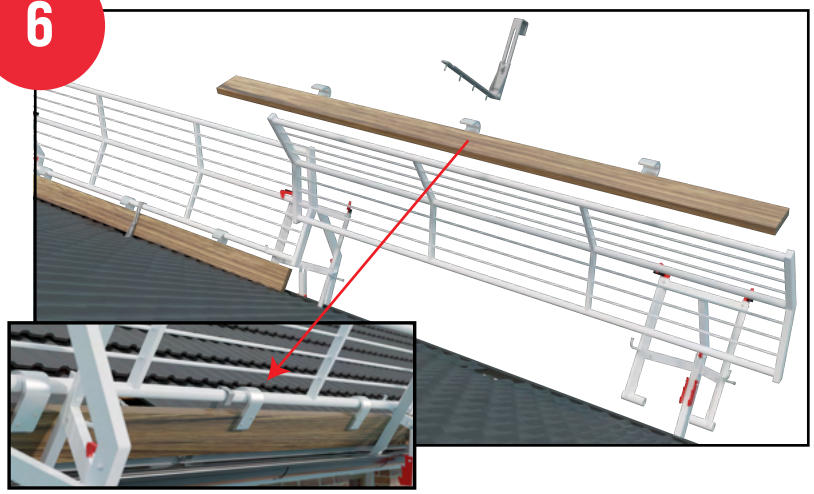

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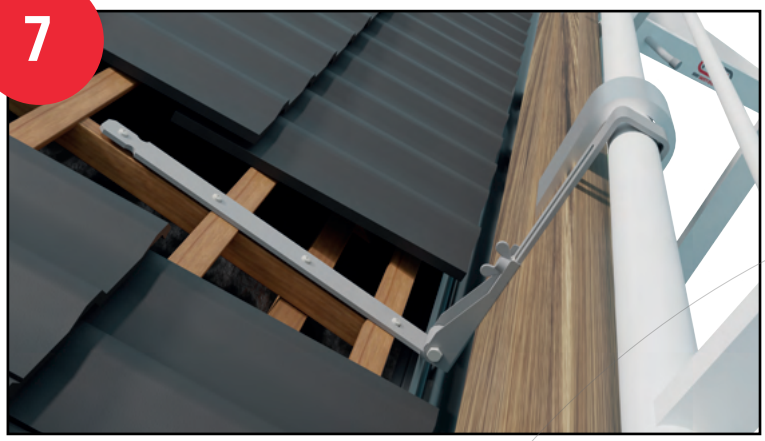

STEP 7

Optional for classes A + B: Mandatory for roofs with a slope of class C (see figure 1 on page 5): Hook the bracket (height adjustable) halfway along the length of the fence, onto the bottom tube of the fence, and secure it to the roof boarding in the rafters using at least M8x80 mm stainless steel screws.

STEP 8

Then place the next stanchion. Repeat all these steps until sufficient fall protection has been installed in accordance with local health and safety regulations. (For installations longer than 3 meters, one stanchion may support two fences.)

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STEP 9

Disassembly proceeds in reverse order.

MAINTENANCE AND INSPECTION

All components of the system must undergo expert inspection before use and at least once a year. This test, for a sound occupational safety policy, must be documented in writing. The systems are reliable and can be used as:

- Damage or permanent changes in any form are not be observed;
- Bolts and cotter pins are in perfect condition, have good spring pressure and are functional.
- Drill holes and notches in the clutch plates are undamaged and ensure a good fit.
- The aluminum parts and plastic parts have no cracks or other damages.
- The markings on the stickers are fully present.
- Metal parts have no corrosion damage.
- See inspection list on our website: https://roofsafetysystems.com/documentatie/

ROOF SAFETY SYSTEMS BV

REVISION LOG AND NOTES

REVISION LOG

Stand revision	Date	Description
2025-HLD-REV001	28-07-2025	Creating English manual
2026-SR-REV002	19-01-2026	Manual rewritten in accordance with NEN-EN 13374:2025 following conformity assessment certificate. The method of attachment of the toe board has been changed. In the new situation, it must be positioned with the hook opening facing the roof surface.

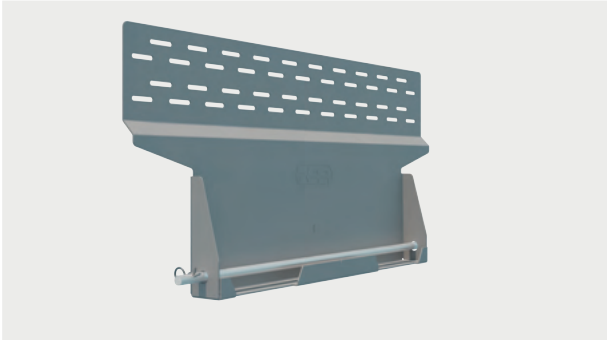
NOTES:

TESTED AND CERTIFIED ROOF SAFETY SYSTEMS

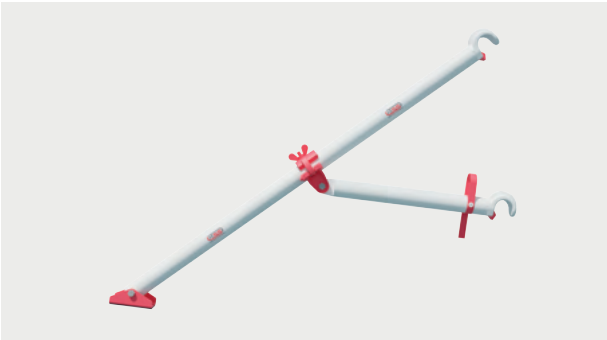
OUR PRODUCTS ARE TESTED AND CERTIFIED

ACCESSORIES RSS SLOPING ROOFS

RSS Baseplate - 105



RSS Windprotection - S214



RSS Systemconnector - S268

RSS Transportframe - 500

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