



SWI-TEC RAT GUARD

Technical Documentation

Rat Guard for Mooring Lines, Ropes and Anchor Chains

Article 1122 · Article 1124 · Article 1125



Manufacturer: Neveta Náutica S.L. / SWI-TEC

Porto Cristo – Mallorca, Spain

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1. Product Identification

Product designation: SWI-TEC Rat Guard for Mooring Lines

Product group: Rat and pest protection for ropes and anchors

Article numbers:

- Art. 1122 – for ropes Ø 15–30 mm
- Art. 1124 – for ropes Ø 30–45 mm
- Art. 1125 – for ropes Ø 45–75 mm

The SWI-TEC Rat Guard is a mechanical protection system designed to prevent rats, mice and other pests from gaining access via mooring lines, ropes and anchor chains.

The system was developed for marine use and can be used both in harbour and at anchor. The system has been proven in service for more than 15 years!

2. Intended Use

The SWI-TEC Rat Guard is designed to mechanically interrupt a potential access route for animals via a mooring line, rope or, depending on the respective diameter, an anchor chain.

The system is particularly used on:

- Sailing yachts
- Motor yachts
- Sport and leisure boats
- Larger yachts
- Superyachts
- Commercial shipping

The protective device can be installed on mooring lines that are already in use. This means that the existing mooring line does not need to be disconnected.

3. Operating Principle

The operating principle of the SWI-TEC Rat Guard is based on a freely rotating protective disc.

The device is closed around the line or chain to be protected. Two offset rubber inserts adapt to the respective diameter and close the open area around the rope or chain.

The outer disc then forms a mechanical barrier.

If an animal attempts to overcome the protective disc, the disc begins to rotate. As a result, the animal cannot gain a secure foothold on the disc and is prevented from proceeding beyond the protected area.

The system operates purely mechanically:

- no electrical power
- no batteries
- no chemical agents
- no bait
- no trap mechanism

According to SWI-TEC, the design is animal-friendly; the rotating disc prevents the barrier from being overcome without injuring the animal.

4. Construction

The Rat Guard consists of a two-piece, hinged system.

The main functional elements are:

- Grey base body
- Central opening for rope or chain
- Replaceable rubber elements
- Black rotating protective disc
- Fastening and connecting elements

The two-piece construction allows the Rat Guard to be placed directly around an existing mooring line and closed.

The hinged construction also allows for space-saving storage when not in use.

5. Technical Data

Technical Feature	Art. 1122	Art. 1124	Art. 1125
Suitable for rope	Ø 15–30 mm	bis Ø 45 mm	bis Ø 75 mm
Disc diameter	Ø 360 mm	Ø 450 mm	Ø 800 mm
Weight	500 g	900 g	2,7 kg
Material	PVC / Polystyrol	PVC / Polystyrol	PVC / Polystyrol
Construction	two-piece, hinged	two-piece, hinged	two-piece, hinged
Protective disc	rotating	rotating	rotating
Rubber inserts	replaceable	replaceable	replaceable
Use in harbour	✓	✓	✓
Use at anchor	✓	✓	✓
Use on anchor chain	✓*	✓*	✓*

6. Material

The Rat Guard is manufactured from high-quality plastic.

PVC and polystyrene are specified as materials for the product family. Current product information also describes the plastic used as UV-resistant, robust, durable and weather-resistant, making it suitable for outdoor marine use.

Material characteristics:

- UV-resistant
- weather-resistant
- corrosion-free
- suitable for outdoor marine use
- durable
- low maintenance

7. Rubber Inserts

The central opening features two replaceable rubber elements.

These elements are used to adapt the Rat Guard to the respective diameter of the mooring line or rope.

Using the correct rubber inserts ensures:

- a secure fit of the Rat Guard
- the closest possible fit around the rope
- a reduction of the open area around the line
- an additional barrier against smaller animals and insects

SWI-TEC offers different rubber inserts for the various rope diameters.

8. Installation

The SWI-TEC Rat Guard is installed directly on the existing line or chain.

The mooring line does not need to be disconnected.

Installation in three steps:

- Step 1 – Twist the base body to open: The base body is opened.
- Step 2 – Close around rope or chain: The opened housing is placed around the mooring line, rope or anchor chain. The offset rubber elements are positioned according to the diameter and should fit as closely as possible around the line or chain.
- Step 3 – Twist the base body closed until it engages in the locking mechanism: The black protective disc is then fitted onto the base body. After installation, the protective disc must be able to rotate freely.

The Rat Guard is now ready for use.

9. Replacing the Rubber Inserts

If the installed rubber inserts do not match the actual diameter of the rope used, they can be replaced with two suitable inserts.

Procedure:

- Loosen the fastening screws on the body of the Rat Guard.
- Remove the existing rubber inserts.
- Insert the suitable rubber inserts with the appropriate opening.
- Reinstall the fastening screws.
- Tighten the screws lightly and evenly.
- Check that the insert is seated correctly.

The rubber inserts must be neither excessively tensioned nor fitted so loosely that an unnecessarily large gap is created.

10. Use on Mooring Lines

The Rat Guard is positioned on the mooring line at a suitable point between the vessel and the shore connection point.

The protective device should be positioned so that the rope cannot be bypassed via other components, pontoons, bollards or equipment.

For the most comprehensive protection possible, SWI-TEC recommends securing every relevant mooring line, as animals may use the easiest available access route.

11. Use at Anchor

The Rat Guard can also be used while at anchor.

For this purpose, the device can be fitted to the anchor chain or a suitable anchor rope.

This secures another potential access route to the vessel.

The use of the Rat Guard is particularly recommended during longer stays at anchor, as rats can swim and may reach the vessel via an anchor chain running through the water.

12. Model Applications

Art. 1122

Compact version for small and medium-sized mooring lines

Rope: Ø 15–30 mm · Disc diameter: Ø 360 mm · Weight: 500 g

Particularly suitable for:

- Segelboote
- Motorboote
- small and medium-sized yachts
- standard mooring lines

Art. 1124

Version for larger mooring lines

Rope: up to Ø 45 mm · Disc diameter: Ø 450 mm · Weight: 900 g

Particularly suitable for:

- larger sailing yachts
- Motor yachts
- larger mooring lines
- more demanding berthing situations

Art. 1125

Large-format version

Rope: up to Ø 75 mm · Disc diameter: Ø 800 mm · Weight: 2.7 kg

Due to its dimensions, this version is particularly intended for larger yachts, superyachts and commercial shipping applications. SWI-TEC specifically lists model 1125 for this field of use.

13. Functional Check

A brief functional check must be carried out after every installation.

Check the following:

- Secure fit – The Rat Guard must be securely closed around the line or chain.
- Correct rubber inserts – The installed rubber inserts must match the diameter of the line or chain.
- Free rotation – The protective disc must rotate without obstruction.
- No damage – The disc, base body, rubber elements and fastening components must be free of visible damage.
- No obstruction – The protective disc must not be blocked during use by lines, fittings or other objects.

14. Operating Instructions

For optimum performance, the Rat Guard should:

- be fully closed wherever possible
- be selected to match the rope or chain diameter
- be used with the appropriate rubber insert
- remain freely rotatable
- be checked regularly for contamination

When multiple mooring lines are used, securing all relevant access routes is recommended.

15. Care and Cleaning

The SWI-TEC Rat Guard requires little maintenance.

For normal cleaning, rinsing with clean fresh water is sufficient.

After extended use, the following areas should be inspected:

- Protective disc
- Base body
- Rubber inserts
- Fastening components
- Contact surfaces between rubber and line

Salt, dirt and deposits should be removed regularly to maintain the free rotation of the protective disc.

16. Storage

The two-piece, hinged construction allows the Rat Guard to be stored in a space-saving manner when not in use.

For optimum storage, we recommend:

- clean with fresh water before storage
- allow to dry completely
- store in a dry and clean place
- avoid unnecessary mechanical stress on the protective disc
- check the rubber inserts for damage before extended storage

17. Safety Instructions

The SWI-TEC Rat Guard is intended exclusively for its specified use.

Before each use, check:

- Has the correct model been selected?
- Is the rope or chain diameter within the specified range?
- Are the rubber inserts suitable?
- Is the Rat Guard fully closed?
- Can the protective disc rotate freely?
- Are all components undamaged?

The Rat Guard must not be used as a load bearing or load-carrying component.

It must not be used as a:

- lifting device
- lifting/lashing point
- connecting element
- clamp
- mooring fitting
- part of a load-securing system

The mooring line or anchor chain must continue to be routed and loaded exclusively through the designated vessel and deck fittings.

18. Limitations of the Protective Function

The SWI-TEC Rat Guard provides a mechanical access barrier.

However, complete pest exclusion on a vessel cannot be guaranteed solely using a single Rat Guard.

For comprehensive protection, the following additional measures should be taken:

- food residues should be avoided or removed
- waste should be disposed of properly
- other possible access routes should be checked
- openings and penetrations in the vessel should be inspected
- all relevant mooring lines should be secured

The Rat Guard is specifically intended to prevent access via mooring lines, ropes and anchor chains.

19. Special Features

Rotating

The movable protective disc prevents an animal from simply crossing the barrier.

Hinged

The two-piece construction enables quick installation and removal.

Compact

When not in use, the system requires little storage space.

Adaptable

Replaceable rubber inserts allow adaptation to different rope diameters.

Versatile

Suitable for mooring lines, ropes and, depending on the diameter, anchor chains.

Harbour and anchorage

The Rat Guard can be used both while berthed in harbors and at anchor.

Low maintenance

Cleaning is simple using fresh water.

Developed for marine use

The plastics used are designed for outdoor marine conditions.

20. Technical Summary

Parameter	Art. 1122	Art. 1124	Art. 1125
Article number	1122	1124	1125
Rope Ø	15–30 mm	bis 45 mm	bis 75 mm
Protective disc Ø	360 mm	450 mm	800 mm
Weight	500 g	900 g	2,7 kg
Material	PVC / Polystyrol	PVC / Polystyrol	PVC / Polystyrol
Construction	zweiteilig	zweiteilig	zweiteilig
Hinged	Yes	Yes	Yes
Rotating Scheibe	Yes	Yes	Yes
Replaceable rubber inserts	Yes	Yes	Yes
Mooring lines	Yes	Yes	Yes
Anchor chain	Yes*	Yes*	Yes*
Harbour operation	Yes	Yes	Yes
Use at anchor	Yes	Yes	Yes

21. Manufacturer

SWI-TEC

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SWI-TEC / Neveta Náutica S.L. develops and manufactures maritime solutions for practical use on board. The current product page refers to in-house production in Europe and the long-standing development of the Rat Guard system.

22. Product Identification Marking

Product: SWI-TEC Rat Guard

Versions: Art. 1122 / Art. 1124 / Art. 1125

Product group: Rat and pest protection

Manufacturer: Neveta Náutica S.L.

Brand: SWI-TEC

Origin: Europe / Mallorca, Spain

23. Document Note

This technical documentation describes the intended use and main technical characteristics of the SWI-TEC Rat Guard models 1122, 1124 and 1125 based on the currently published manufacturer information.

Technical changes during product development are reserved.

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Art. Reference: 1122 / 1124 / 1125



ALWAYS ONE STEP AHEAD...

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