

SOFT STEP + MAST WORK SAFETY SYSTEM

“Safety and comfort at every step”





THE PROBLEM

*Safety and comfort when working on the mast are essential
for safe sailing*

The need to access the mast's vertical section for cleaning or repairs
is essential for **safe navigation**.

A maststep should be more than just a step, it should be a
comfortable and secure workstation.

Current maststeps are uncomfortable and fragile, making it nearly
impossible to stand on the mast for extended periods and increasing
the **risk of falling from height**.



LACK OF SAFETY

- The safety of the entire crew depends on its durability and comfort.



UNCOMFORTABLE

- The use of hard materials and shapes is not ergonomically friendly for a bare foot.

HEAVY, NOISY MATERIALS

- Steel ones are heavy and noisy, and also require frequent maintenance to prevent rusting.



FRAGILE

- Plastic ones are not very durable, as they fade and eventually break over time due to the harsh marine environment.

THE SOLUTION



A product that delivers comfort in use, offering dual functionality while blending seamlessly with the sleek lines of high-end yachts.

Comfortable, lightweight, and built to last a lifetime.

More than just a step, it's a workstation.

ERGONOMICS & COMFORT

Its curved shape follows the natural curve of the foot, incorporating a wide, soft-touch foam surface.

The foam in the footstep area is specially designed for boat decks and can be replaced over time.

HIGH QUALITY

Features a magnet-controlled opening and closing system, providing a very satisfying user experience.

CUSTOMIZATION

Its foam can be chosen in different colors and can also include customized machined logos. This material is designed for deck use.



The 3D-printed titanium can also incorporate names and/or logos according to the client's preference.



HIGH STRENGTH

High load resistance. Up to 150 Kg.

MWSS

Double functionality with the incorporation of the **Mast Work Safety System**.



LONG-LASTING

Constructed 100% in titanium using additive manufacturing (3D printing) technologies. It has zero galvanic corrosion or oxidation. Meaning it requires no maintenance whatsoever. The SoftStep is a lifetime product.

ECO FRIENDLY

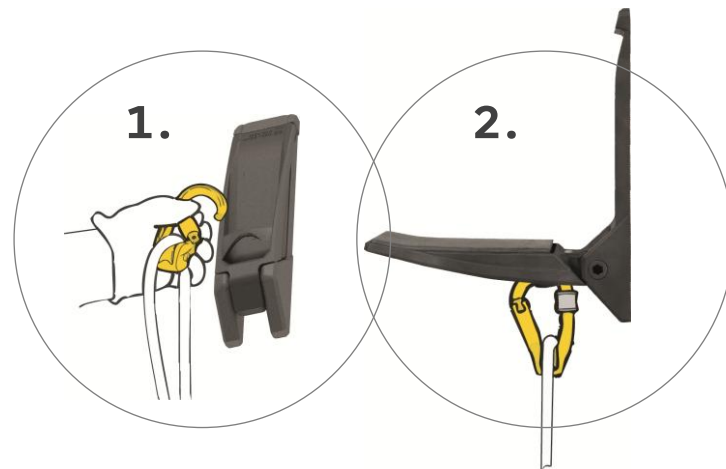
It's zero-waste construction and the ability to replace components result in a very low carbon footprint.

INTEGRATED SYSTEM “MWSS”

The Mast Work Safe System (MWSS) combines two functions:

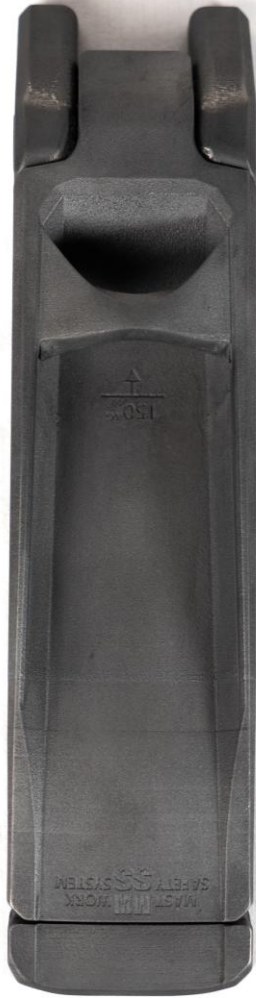
Passive Safety System (PSS): Serves as a safety anchor for working at height in combination with the halyards. The SoftStep is designed to support the weight of a human.

Integrated Hoist Point (IHP): The same system allows lifting objects and tools from the deck with a 2:1 pulley ratio.









SAFETY

COMFORT

HIGH STRENGTH

HIGH QUALITY

LONG-LASTING

ZERO MAINTENANCE

CUSTOMIZATION

ECO FRIENDLY





Lifetime Quality

TECHNICAL INFORMATION



- Total weight: 297 gr
- Minimum working load: 150 kg (1500 N). Safety factor = 2.92 (338 MPa)
- No galvanic corrosion or oxidation
- Materials:
 - **Titanium Ti6Al4V**
 - Manufacturing method: 3D printing – Selective Laser Melting (SLM)
 - Post-processing: stress relief through heat treatment
 - Ultimate tensile strength (UTS): 1084 ± 55 MPa
 - Yield strength (YS): 987 ± 18 MPa
 - High fatigue and corrosion resistance
 - **Neodymium magnets**
 - **Cross-linked polyethylene (PE) foam**

* Pack of 2 units

** Included: Countersunk M6 fixing screws (screw spacing 75 mm)

ONE HARDWARE PHILOSOPHY

It all begins with our pursuit of applying new technologies to solve old problems.

“In the development of products for superyachts, beyond respecting the elegance and distinction that define the sector, we consider it essential to constantly rethink ideas and explore new functions and technical applications that deliver real value. However, for us, a product is not limited to its function or appearance: it must also provide a user experience that conveys trust, quality, and sensitivity in every detail.”



Our values: What do we stand for?



- Technological development and innovation (techniques and materials)



- High-performance engineering



- Zero obsolescence, products built to last. Designed as modular systems with replaceable parts



- Environmental responsibility.



- Special attention to aesthetics and details



Innovation you can trust