



Boat protection systems
for pure peace of mind.



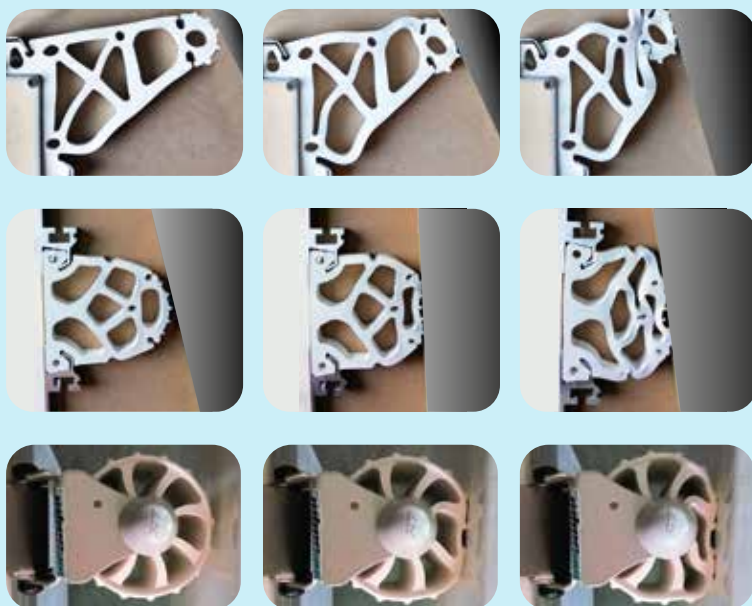
onesailor
BY SHILKUS

THE INNOVATIVE ONESAILOR SYSTEM

boat protection systems for pure peace of mind

The system has been created by a team of engineers enthusiasts of navigation, in seeking to develop a solution to make the docking manoeuvre simpler and safer in any weather conditions, in every type of marina.

PROGRESSIVE SHOCK ABSORBING SEQUENCE

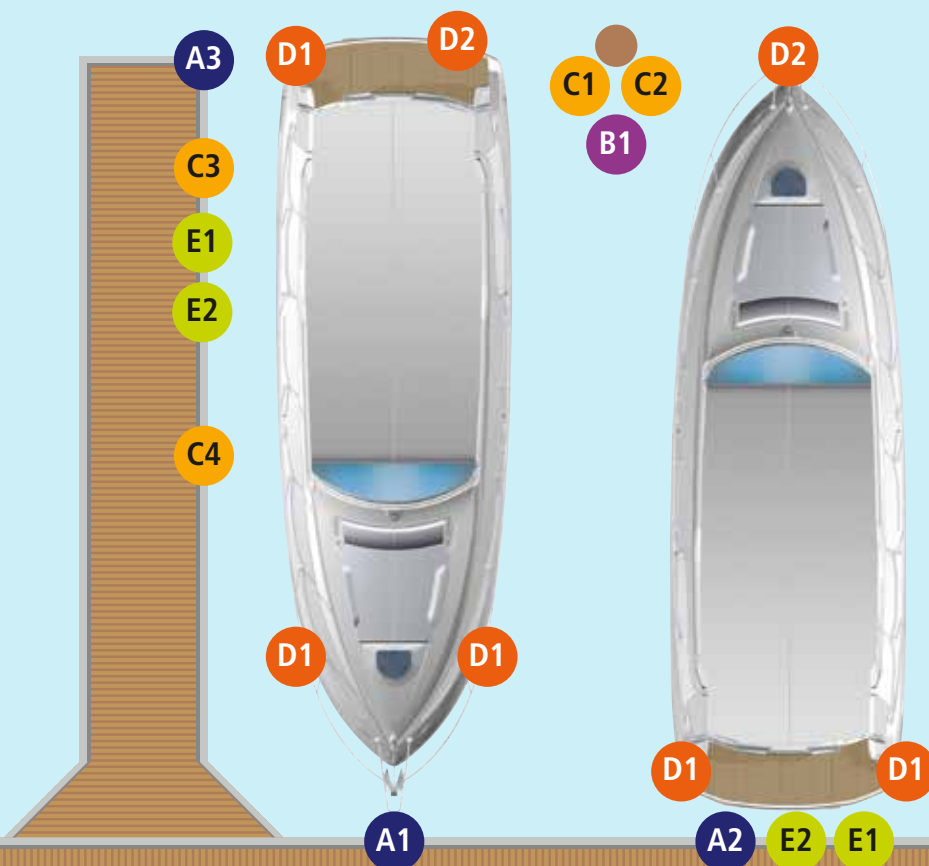


Progressive damping by means of a two zone construction consisting of a soft outer zone of high impact absorption and inner one of greater firmness.

- 1 Non-inflatable construction. No risk of punctures, bursting or deflation.
- 2 Maintenance Free.
- 3 Its specific long lasting EPDM rubber formula keeps it's properties intact in terms of flexibility and form. Highly resistant to UV radiation and the even most adverse weather conditions.
- 4 5-year guarantee.
- 5 Each item comes supplied with all the necessary fasteners for its installation, made from A-4 stainless steel. PE-HD (high density polyethylene) anti galvanic corrosion washers are included.
- 6 Environmentally friendly. Selected high quality materials that will niether flake nor powder away. No polution.

DOCKING SYSTEMS AND MOORING PROTECTION

suitable for all types of vessels and pontoons



DOCKING SYSTEMS

- A1 Onesailor Bow
- A2 Onesailor Stern
- A3 Swinging and folding roller

FENDERS

- B1 Fixed fender for pilings
- C1 Roller fender for pilings
- C2 Pivoting roller fender for pilings
- C3 Side roller fender
- C4 Pivoting roller fender
- D1 Mooring compensator
- D2 Anchoring compensator
- E1 Step up
- E2 Step down



WHICH IS YOUR USUAL DOCKING METHOD?

Onesailor Docking Systems solve the difficulties often associated with those troublesome docking manoeuvres when leaving or returning to port even when single handed. No need to rely upon external help, crew or marina staff.

There are times when docking your boat without mishap does not depend upon the prowess of the skipper. With adverse weather conditions, or at times of intense traffic in the marina it may prove difficult to dock safely for the skipper and his crew.

Onesailor has developed an innovative system of fenders, permanently fitted to your pontoon berth, that assist in the correct positioning of the vessel during docking and retain the boat in its berth until safely tied up. No fuss no bother.

Do you berth stern-to?

Then, Onesailor Stern is for you. Simply back into your marina berth, position the vessel's transom or boarding platform against the Onesailor Stern fenders and get off the boat to dock in ease, comfort and safety.

Do you berth bow-to?

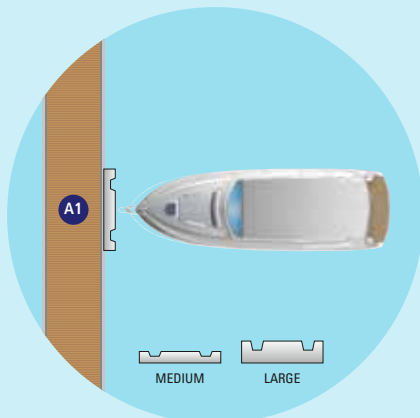
Onesailor Bow is made for you. Once the bow is in contact with the Onesailor Bow fender, it will slot into one of the notches designed for that purpose, where it will stay as your vessel comes safely and securely alongside the finger pontoon. Now you can casually step off the deck and tie up safely and without fuss.

How do you avoid the finger end?

There is only one system that versatile, and it is the Onesailor Swingin and Folding Roller Fender. Even if your boat moves towards the finger end, this system will keep it protected.

The following pages show the docking and undocking manoeuvres in detail.

BOW-TO DOCKING SYSTEMS



ONESAILOR BOW 115 cm.

Onesailor Bow fender is a unit designed to facilitate docking and undocking procedures when berthing bow to, without the need for help and in a safe and secure manner.



Floating pontoon

MEDIUM: Boat length up to 12 m. and 10 Ton. / Ref.: OS-001

LARGE: Boat length from 12 to 15 m. and up to 15 Ton. / Ref.: OS-002

Material: EPDM rubber and anodized aluminium.

Fasteners: A-4 stainless steel + PE-HD anti galvanic corrosion washer.



Modules are available for the amplification of the fended area in larger berths:

MEDIUM: 58 cm. / Ref.: PF-002

LARGE: 58 cm. / Ref.: PF-004

MEDIUM: 115 cm. / Ref.: PF-005

LARGE: 115 cm. / Ref.: PF-006

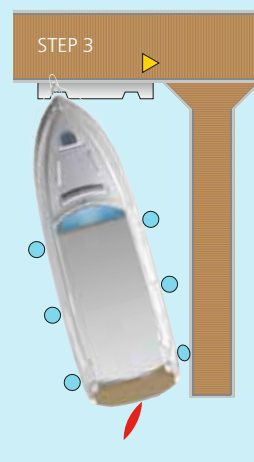
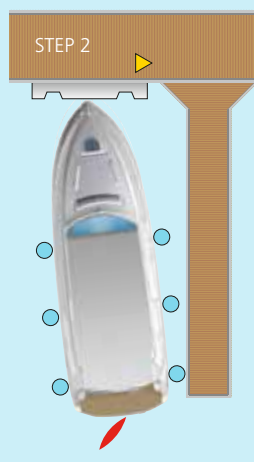
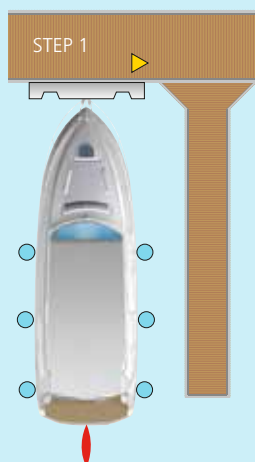


How to dock bow-to, single handed and without the help of the crew or marina staff.

1A. Steer the vessel gently into your marina berth.
1B. Keep the engine(s) at reduced speed (lower 0,5 knots).
1C. Following the positioning flag, continue until the bow makes contact with the Onesailor pontoon fender.

2A. Keep the engine(s) engaged slow ahead.
2B. Apply a little port rudder.
2C. The vessel will swing steadily until the starboard topside comes to rest firmly alongside the finger pontoon.

3A. Keep the engine(s) at slow ahead.
3B. The vessel's bow is positioned in the notch of the Onesailor Bow fender while the starboard side is firmly thrust against the fenders.
3C. Next, before switching the engine(s) off, disembark the crew and their gear before tying up; all this with the complete certainty that the vessel will not drift away from the finger pontoon.



Undocking single handedly without the help of crew or marina staff: Simply set the boat up as in STEP 3. Once the the crew and their gear are aboard, the mooring lines can be slipped. The boat will stay put. Now a touch of starboard rudder will swing the stern out whilst the bow remains secure in it's notch. With the topsides clear of the pontoon put the rudder amidships, slow astern and away you go.



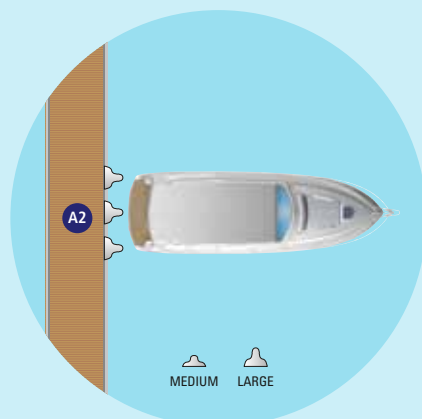
Manoeuvre with
Onesailor Bow
certified by
TECNITAS.

Example with only one finger pontoon to starboard side.



WATCH THE VIDEO OF THIS MANOEUVRE AT WWW.ONESAILOR.COM

STERN-TO MOORING SYSTEMS



ONESAILOR STERN

Onesailor Stern Fender facilitates docking and undocking procedures when berthing stern to. This fender's progressive damping action permits the stern of the vessel to be safely thrust against the pontoon whilst the ship is tied up.

Floating pontoon

MEDIUM: Boat length up to 10 m. / Ref.: OS-101

LARGE: Boat length from 10 to 15 m. / Ref.: OS-102

Material: EPDM rubber and anodized aluminium.

Fasteners: A-4 stainless steel + PE-HD anti galvanic corrosion washer.



Fixed pontoon

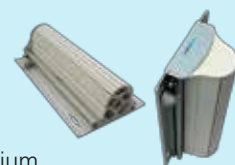
MEDIUM (Boat length up to 10 m.)

Height 50 cm.: Ref.: OS-103

Height 75 cm.: Ref.: OS-105

Material: EPDM rubber and anodized aluminium.

Fasteners: A-4 stainless steel + PE-HD anti galvanic corrosion washer.



Fixed pontoon

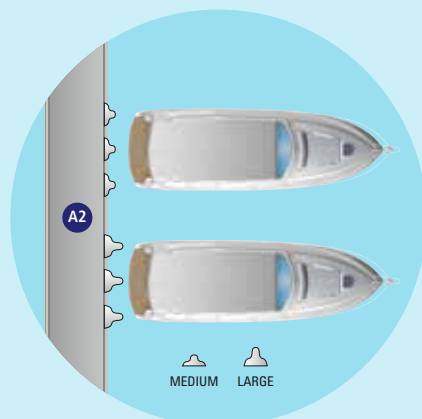
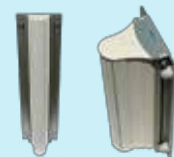
LARGE (Boat length from 10 to 15 m.)

Height 50 cm.: Ref.: OS-104

Height 75 cm.: Ref.: OS-106

Material: EPDM rubber and anodized aluminium.

Fasteners: A-4 stainless steel + PE-HD anti galvanic corrosion washer.



How to dock stern-to with the help of the Onesailor Stern system.

1A. Gently steer the vessel backwards into your marina berth.

1B. Reverse in at reduced speed (lower than 0,5 knots).

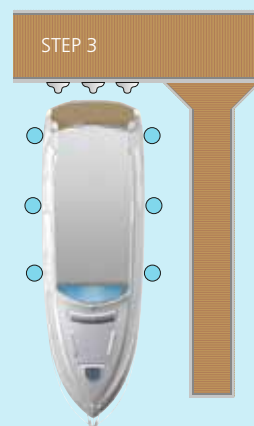
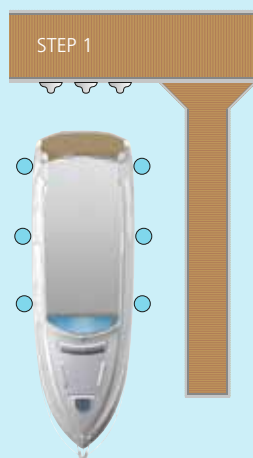
1C. Move astern until the transom or boarding platform rests against the Onesailor pontoon fender system.

2A. Keep the engine(s) engaged astern at low revs to keep the stern against the Onesailor fenders.

2B. Next secure any bow mooring lines (Med style moorings), finger pontoon mooring lines and springs.

2C. Keep the engine(s) in reverse until the crew disembarks.

3A. Once everyone is safely ashore, stop the engine(s) and finally adjust all mooring lines to keep the vessel clear of the pontoons.



Undocking: Simply set the ship up as in STEP 2 such that the transom comes into steady contact with stern pontoon fenders. Board the crew together with their gear and cast off. Put engine(s) ahead with the rudder amidships and away for sailing.



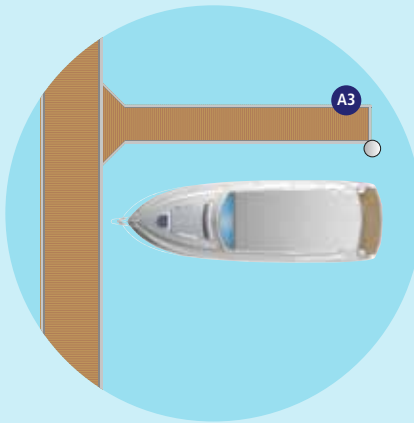
An integrated folding boarding ladder is also available.

Example with only one finger pontoon to port side.



WATCH THE VIDEO OF THIS MANOEUVRE AT WWW.ONESAILOR.COM

ROLLER FENDER FOR FINGER END



SWINGING AND FOLDING ROLLER

The Swinging and Folding Roller protects the boat from knocks and scratches caused by the tip of the finger pier when entering and leaving your berth.



This piece made in EPDM rolls over the ship's hull whilst swiveling in order to adapt itself to the correct angle thus guiding the boat into your berth as well as providing protection from the finger pontoon's end. Once the vessel is securely tied up the roller fender may be folded up over the finger so as not to interfere with the ship's shore lines. The seaward end of finger pontoons is the most troublesome area when entering and departing marina berths.

Floating or fixed pontoon

Ø10 cm.: Boat length up to 10 m. / Ref.: PF-304

Ø15 cm.: Boat length from 10 to 15 m. / Ref.: PF-301

Material: EPDM rubber + enamelled AISI-316 stainless steel.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.



PROTECT YOUR BOAT AND MANOEUVRE WITH CONFIDENCE WITH THE SWINGING AND FOLDING ROLLER.

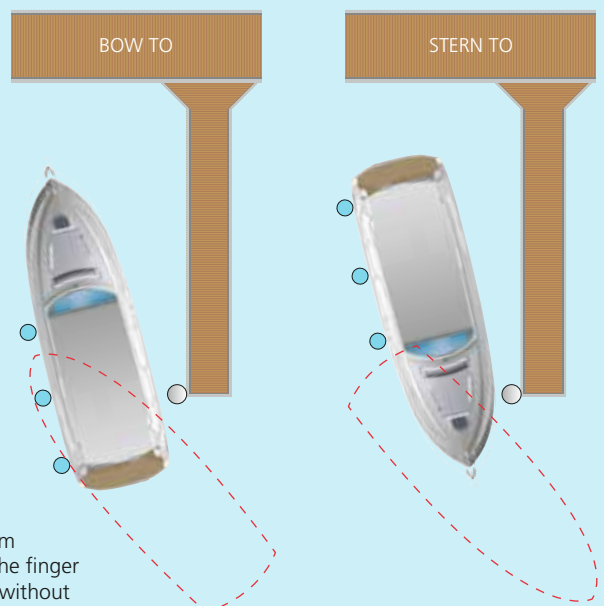
Manoeuvre protecting the hull from finger end with Onesailor roller.

Docking, be it bow to or stern to is undertaken much more confidently when the finger pontoon tip is no longer a point of danger.

It is easy to save your boat from knocks and scrapes no matter the state of sea or wind as well as errors on the part of the helmsman with the help of the Onesailor Swinging and Folding Roller.

The roller fender swivels on its articulated support in order to adjust automatically to your ship's topsides fully taking advantage of the roller's full surface.

In this way any pressure applied to the ship's topsides is widely spread giving maximum protection. When coming into contact with the roller fender the boat is held free of the finger pontoon tip facilitating any necessary corrections of trajectory in order to dock safely without incident. Once the boat is securely tied up, the roller fender can be folded out of the way up over its support thus allowing docking lines to lead fair to the end of the finger pontoon.



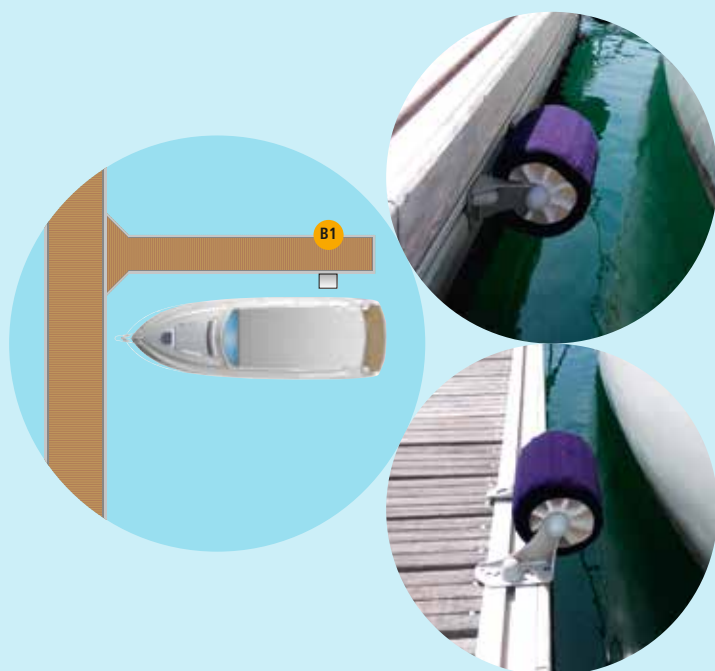
WATCH THE VIDEO OF THIS MANOEUVRE AT WWW.ONESAILOR.COM

FENDERS IN PONTOON AND FINGER

Onesailor roller fenders should be installed permanently at those points of finger pontoons that can come into contact with the ship's hull in such a way that topsides are protected for their entire length from knocks and scratches.

No more hanging and stowing of fenders and no more risk of fenders riding up and subsequently proving useless.

Onesailor roller fenders are considerably smaller in diameter than inflatable fenders yet afford a greater factor of shock absorption due to their unique design.



SIDE ROLLER FENDER

Rolls over the ship's hull minimizing damage caused by friction with the boat vertical displacement at its mooring.

Floating pontoon or finger

Fixing in the **vertical** plane

Ø10x15 cm: Boat length up to 10 m. / Ref.: PF-305V

Ø15x20 cm: Boat length from 10 to 15 m. / Ref.: PF-302V

Fixing in the **horizontal** plane

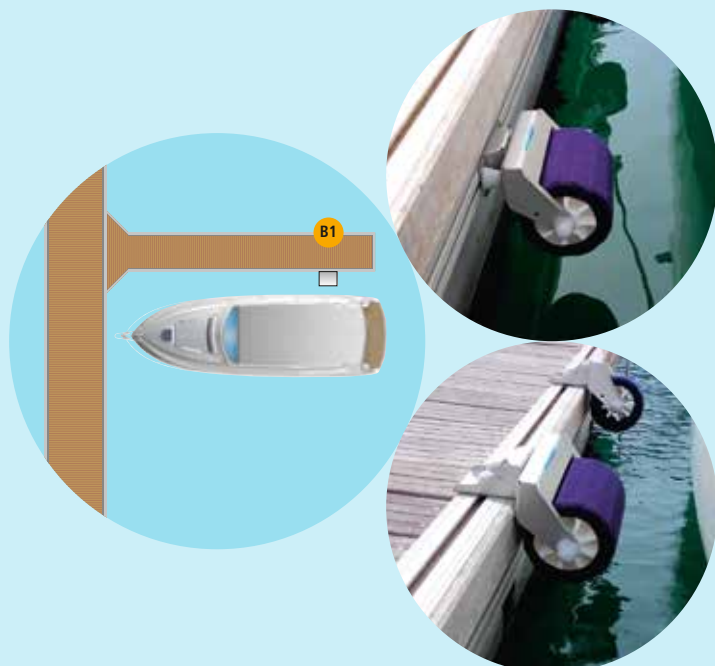
Ø10x15 cm: Boat length up to 10 m. / Ref.: PF-305H

Ø15x20 cm: Boat length from 10 to 15 m. / Ref.: PF-302H

Material: EPDM rubber + enamelled AISI-316 stainless steel.

Fasteners: A-4 stainless steel + PE-HD anti galvanic corrosion washer.

Recommended number of units: 2



PIVOTING ROLLER FENDER

Rolls over the ship's hull and automatically adjusts its own orientation with the movement of the boat (be it horizontal, vertical or oblique) thus reducing to a minimum any friction.

Floating pontoon or finger

Fixing in the **vertical** plane

Ø10x15 cm: Boat length up to 10 m. / Ref.: PF-308V

Ø15x20 cm: Boat length from 10 to 15 m. / Ref.: PF-307V

Fixing in the **horizontal** plane

Ø10x15 cm: Boat length up to 10 m. / Ref.: PF-308H

Ø15x20 cm: Boat length from 10 to 15 m. / Ref.: PF-307H

Material: EPDM rubber + enamelled AISI-316 stainless steel.

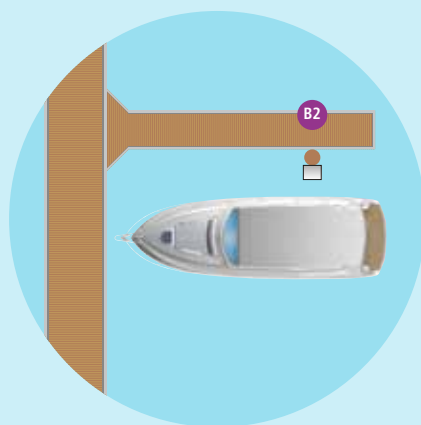
Fasteners: A-4 stainless steel + PE-HD anti galvanic corrosion washer.

Recommended number of units: 2



FENDERS IN PILINGS

Fenders for the protection of your boat against knocks and scratches in marinas with wooden piles.



FIXED FENDER FOR PILING

Airless fender to be fitted to wooden piles to protect ship's hull over its entire freeboard. Recommended for short stay and public berthing areas.



Fixed piling

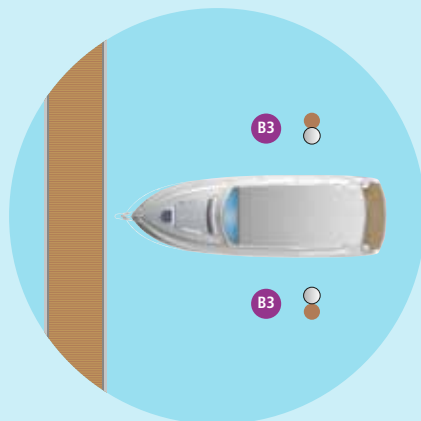
38 cm.: Boat length up to 10 m. / Ref.: PF-101

50 cm.: Boat length from 10 to 12 m. / Ref.: PF-102

115 cm.: Boat length from 12 to 15 m. / Ref.: PF-103

Material: EPDM rubber + anodized aluminium.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.



ROLLER FENDER FOR PILING

Airless fender designed to roll over the ship's hull thus easing berthing procedures and eliminating damage caused by friction.



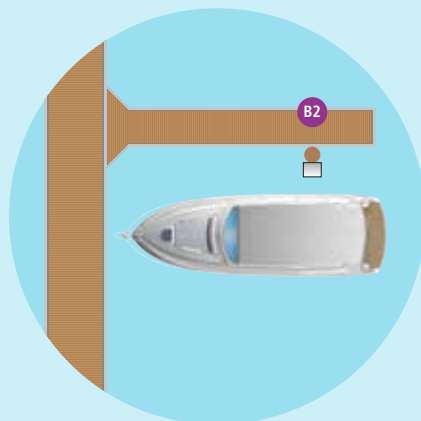
Fixed piling

Ø10 cm.: Boat length up to 10 m. / Ref.: PF-306

Ø15 cm.: Boat length from 10 to 15 m. / Ref.: PF-303

Material: EPDM rubber + anodized aluminium.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.



PIVOTING ROLLER FENDER FOR PILINGS

Airless fender that rolls over the ship's hull and automatically adjusts its own orientation with the movement of the boat (be it horizontal, vertical or oblique) thus eliminating any damage caused by friction.



Fixed piling

Ø10 cm.: Boat length up to 10 m. / Ref.: PF-310

Ø15 cm.: Boat length from 10 to 15 m. / Ref.: PF-309

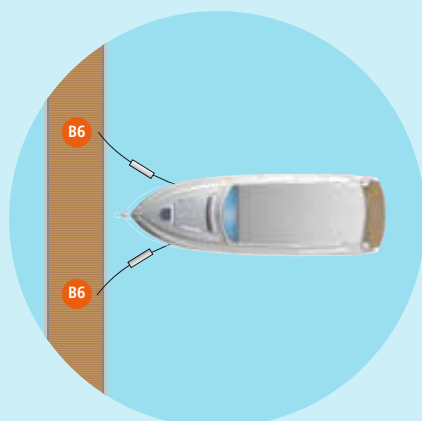
Material: EPDM rubber + anodized aluminium.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.



ANCHORING AND MOORING SOLUTIONS

Fenders with a system of sliding guides, designed such that the damping element, made from EPDM rubber, works in compression as opposed to standard fenders that are subject to failure due to traction and torsion.



MOORING COMPENSATOR

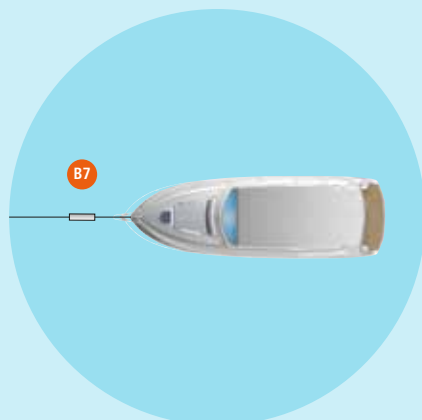
Unbreakable, durable and silent shore line damper. Reduces uncomfortable motions when the boat is moored.



Ø18 mm.: For up to Ø18 mm. rope / Ref.: MS-101

Ø22 mm.: For up to Ø22 mm. rope / Ref.: MS-102

Material: EPDM rubber + Stainless steel AISI-316 + PE-HD



ANCHORING COMPENSATOR

Anchoring line damper that ensures total reliability, will never fail and will gently dampen sudden movements when the vessel is lying at her mooring. Offers outstanding durability due to its construction in materials that are highly resistant to corrosion, ideal for use below water level.



Ø18 mm.: For up to Ø18 mm. rope / Ref.: MS-103

Ø22 mm.: For up to Ø22 mm. rope / Ref.: MS-104

Material: EPDM rubber + Stainless steel AISI-316 + PE-HD

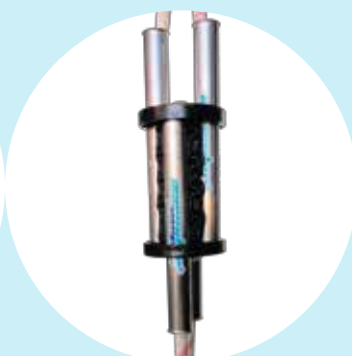
PROGRESSIVE DAMPING SEQUENCE



Stand by



Low pressure



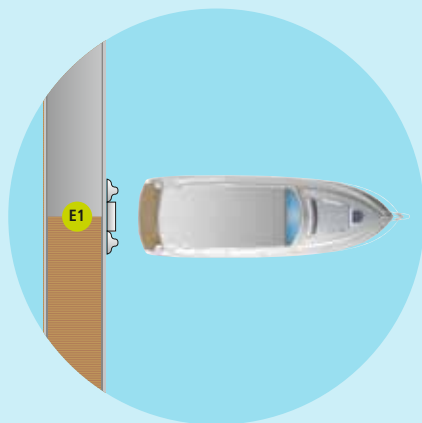
High pressure



FOLDING STEPS

Folding boarding ladder to be fitted permanently to finger or pontoon that ensure secure and safe boarding. Its folding step and hand rail can be swung clear leaving unfettered access and egress from your pontoon berth and make them perfectly compatible with the use of topside fenders.

Models are available complete with fixed vertical fendering.



STEP UP

For fixed pontoon / Height 75 cm. / Ref.: ST-006

Materials: Enamelled AISI-316 stainless steel
+ anodized aluminium + synthetic wood.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.

STEP UP

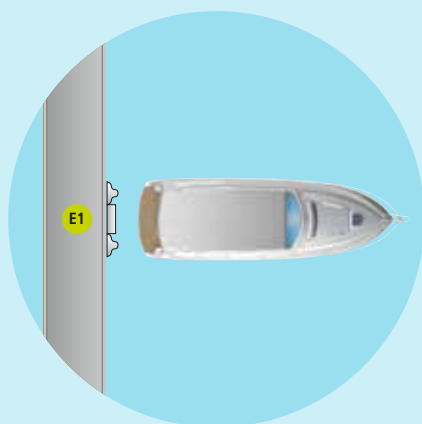
With fender

For floating pontoon / Height 75 cm. / Ref.: ST-002

For fixed pontoon / Height 75 cm. / Ref.: ST-001

Materials: EPDM rubber + enamelled AISI-316 stainless steel
+ anodized aluminium + synthetic wood.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.



STEP DOWN

For fixed pontoon / Height 75 cm. / Ref.: ST-007

Materials: Enamelled AISI-316 stainless steel
+ anodized aluminium + synthetic wood.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.

STEP DOWN

With fender

For fixed pontoon / Height 50 cm. / Ref.: ST-003

For fixed pontoon / Height 75 cm. / Ref.: ST-004

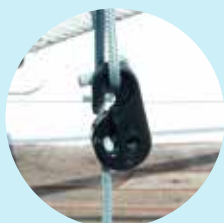
For fixed pontoon / Height 100 cm. / Ref.: ST-005

Materials: EPDM rubber + enamelled AISI-316 stainless steel
+ anodized aluminium + synthetic wood.

Fasteners: A-4 stainless steel with PE-HD anti galvanic corrosion washer.



ACCESSORIES



BOAT FENDER ADJUSTER

Standard 1 unit/ Ref: MS-201
4 unit- pack/ Ref: MS-202
Material: PE-HD High Density Polyethylene.



EPDM RUBBER SCREW CAP

EPDM / for t-bolt screw.
4 unit-pack: Ref: AC-001



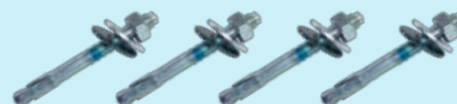
T-BOLT SCREW

AISI-316 A-4 Stainless Steel.
With PE-HD anti galvanic corrosion washer.
4 unit-pack: Ref: AC-002



HILTI SCREW FOR CONCRETE

AISI-316 A4 Stainless Steel.
With PE-HD anti galvanic corrosion washer.
4 unit-pack: Ref: AC-003



SCREW FOR WOOD

AISI-316 A-4 Stainless Steel.
With PE-HD anti galvanic corrosion washer.
4 unit-pack: Ref.: AC-004



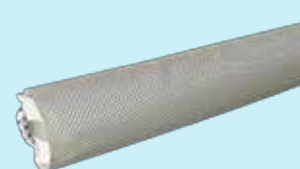
UNIVERSAL ADAPTER FASTENER

AISI-316 A-4 Stainless Steel.
2 unit-pack: Ref: AC-005



COVERS

Protecting textile
Cover for Onesailor Bow / Ref.: AC-008
Open cover for Onesailor roller Ø15 / Ref.: AC-006A
Closed cover for Onesailor roller Ø15 / Ref.: AC-006C
Open cover for Onesailor roller Ø10 / Ref.: AC-007A
Closed cover for Onesailor roller Ø10 / Ref.: AC-007C



CUSTOM-MADE SOLUTIONS

The configuration of a marina berth, its dimensions or its location may cause particular difficulties when docking a ship, a situation that sometimes might not easily be resolved with our standard products. In such cases we can offer custom solutions, adapting the Onesailor concept and technology to such installations. **In marinas or ports where it is not permitted to drill or screw** in order to fit docking systems or permanent fenders we will be able to propose solutions that comply with any regulations in force at your home port. Also our technical office can offer the design and fabrication of Onesailor products with special mounting bases to fit any pontoon profile. Please find more information at www.onesailor.com

SOME EXAMPLES OF OUR SOLUTIONS:



PROBLEM:
Lack of fendering
below a concrete
platform.

SOLUTION:
Fold away fendering and step
ladder anchored to the
underside of said platform.



PROBLEM:
Deteriorated concrete
where fixatives are
prohibited.

SOLUTION:
Fixation suspended
from existing bollards.



PROBLEM:
Unprotected pile
mooring.

SOLUTION:
Assisted mooring system
with oscillating roller fender.



PROBLEM:
Unprotected concrete
mooring quay corner.

SOLUTION:
Angular fender adaptable
to any quay.



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"Unha maneira de facer europa"