Temano® mooring buoy

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TEMANO

Mooring buoy

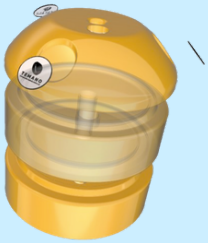
Temano® modular buoy

The **TEMANO modular buoy** is an innovative solution designed to adapt to a wide variety of applications thanks to its modular and customizable structure.

Robust, lightweight, and easy to maintain, it delivers excellent buoyancy and supports the integration of technical equipment (including electronics, navigation aids, anchoring systems, and more) adapted to the specific requirements of each project.

Technical Description

Material	High-quality flexible HDPE
Volumes	25 - 50 - 75 - 100 L
Weight	2,2 kg : upper module 3,2 kg : other module
Dimensions (1 module)	15 x 50 cm
Chimney diameter	Ø45 mm



Customization

Standard colors available:

Product	Reference	
Upper Buoy Module	BO-MOD-SUP-[color]	
Intermediate and Lower Buoy Modules	BO-MOD-IN-[color]	
Color	JA = yellow BE = blue VE = green RO = red BA = white	-

Mooring buoy

Temano® buoy 150L

Designed to meet the demands of challenging marine environments, the Temano® 150L buoy combines high buoyancy, mechanical strength, and advanced customization. It is suitable for a wide range of applications: mooring, oceanography, or signaling while ensuring superior durability and minimal environmental impact.

Technical description

Material	High-quality flexible HDPE
Volumes	150 L
Weight	9 kg
Dimensions	70 x 50 cm
Chimney diameter	Ø 50 mm

Customization

Standard Colors Available:

+ Buoyancy reserve

+ Light inside

+ GPS system

150L buoy	
150L buoy	

+ Possible Customization Options

Product reference

BO-150-[OPTIONS]-[COULEUR]

Options reference

Basic (without option)	B
Buoyancy reserve + Number of Liters	R00 (80L max)
Light	L
Transparent Facets	F
Color	BA (white) / JO (yellow) / VE (green) / RO (red) / BE (blue)

Refrence exemple :
white buoy with an 80L buoyancy reserve, light, and 3 transparent facets

→ **Reference number :** BO-150-B-R80-L-F-BA

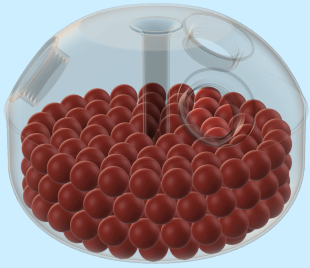
Mooring buoy

Customized Options for the 150L Buoy

Buoyancy reserve

Integrated inside the Temano® buoy, the reserve buoyancy ensures stability even in the event of impact or damage.
With no foam or polystyrene beads, it eliminates any risk of microplastics entering the ocean and can be adjusted to meet site-specific requirements.

Buoyancy reserve



Light

An autonomous light can be integrated inside the Temano® 150L buoy, providing effective nighttime signaling for mooring, marking, or navigation areas.

This option offers a maintenance-free autonomy of up to 2 years.

For optimal visibility, especially in rough seas or at night, it is highly recommended to combine this option with transparent facets, which allow the light to diffuse effectively through the buoy's structure.

GPS positioning system

The Temano® 150L buoy can be equipped with a GPS positioning system, providing **real-time tracking of its position at sea.**

This option is especially useful for **organized mooring areas**. Associated features are detailed in the following section dedicated to connected buoys.

Mooring buoy

Temano® connected buoy

Temano® connected buoys are versions of our existing buoys (modular model or 150L) equipped with an integrated electronic housing.

They keep all the technical characteristics and advantages of our buoys (buoyancy, stability, durability, low environmental impact), while offering new smart features for both users and operators.

Technical Description

- Real-time presence detection
- GPS positioning
- Water area occupancy optimization
- Reservation management
- Weather alerts
- 1 to 10 years autonomy
- International payment system
- International payment system

Boat owner

- Advance booking via app or on-site using QR code
- Push notification
- Online payment
- Positioning on an interactive map

User

- Integration with the port management system
- Reservation management
- Notification system
- Real-time area occupancy

References

Modular connected buoy	BOT-COT-MOD
150L connected buoy	BOT-COT-150

Mooring buoy

Additional buoy components

Temano® Textile Rod

The Temano® textile rod is a through-strop fully made of Dyneema®, a high-strength synthetic fiber. The rod is always equipped with 2 HDPE ring and is designed to replace traditional metal strops in mooring systems.

The textile rod is used to connect the boat to the mooring line by passing through the buoy.

Technical Description - textil rod

Dimensions	50 cm to 2 m
Diameter	40 mm
Material	Polyester
Breaking Load	120 kN = 12T

Technical Description - ring

	Upper ring	Lower ring
Inner diameter	60 mm	35 mm
Outer diameter	120 mm	60 mm
Thickness	50 mm	40 mm
Material	PEHD	PEHD

Technical Advantages	Environmental Advantages
Lightweight	Reduced environmental impact
Flexibility and safety	Durable
Easy installation & handling	No plastic pollution in the ocean

Type of textile rod	Lenght of textile rod	Reference
Textile rod for one module modular buoy	50 cm	TI-50
Textile rod for 150L buoy	70 cm	TI-70

Mooring buoy

Additional buoy components

Identification Markings

To facilitate the **identification and organization of mooring zones**, each Temano® buoy is equipped with three laser-engraved numbering faces, arranged to be **visible from multiple angles**.

This configuration ensures good legibility, even from a distance, and allows for **simplified management of mooring spots**, particularly in ports or ZMEL (Zones of Managed Moorings).

Technical description

Diameter	13,5 cm
Thickness	2 mm

Advantages

Stable, durable, and visible signage

Quick replacement

Customization

The background color of the plate can be customized to match the color of the buoy.