

# Temano® mooring buoy



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# Mooring buoy

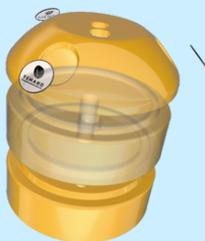
## Temano® modular buoy

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

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



### Customization

Standard colors available: 

Product	Reference	Price excluding tax
Upper Buoy Module	BO-MOD-SUP-[color]	75€
Intermediate and Lower Buoy Modules	BO-MOD-IN-[color]	75€
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

### Price Excluding Tax

150L buoy

From 160€

+ 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)

### Reference 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

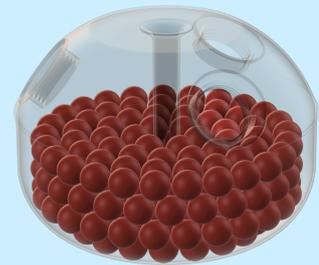
### Buoyancy reserve

Intégrée à l'intérieur de la bouée Temano®, la réserve de flottabilité assure sa stabilité même en cas de choc ou d'endommagement.

Sans mousse ni billes de polystyrène, elle élimine tout risque de microplastiques dans l'océan et peut être ajustée selon les besoins du site.

#### Price Excluding Tax

Buoyancy reserve	1€/L
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### 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.



#### Price excluding tax

Light	200€
Transparent facets	5€ / facet



### 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

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



#### Technical Description - ring

	Upper ring	Lower ring
<b>Inner diameter</b>	60 mm	35 mm
<b>Outer diameter</b>	120 mm	60 mm
<b>Thickness</b>	50 mm	40 mm
<b>Material</b>	PEHD	PEHD



#### Technical Advantages

Lightweight

Flexibility and safety

Easy installation & handling

#### Environmental Advantages

Reduced environmental impact

Durable

No plastic pollution in the ocean

Type of textile rod	Length of textile rod	Reference	Price excluding tax
Textile rod for one module modular buoy	50 cm	TI-50	<b>75€</b>
Textile rod for 150L buoy	70 cm	TI-70	<b>90€</b>

# 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.



#### Price excluding tax

15 € / unit

