



# FLOATING PROTECTIVE BARRIERS

## Our floating protective barriers are designed to:

- Ensure the safety of navigation in inland waters,
- Provide security for marine protected areas against floating mines,
- Protect public and maritime service infrastructure within the water area,
- Prevent unauthorized intrusions and potential threats.



These barriers are a key element of the overall port security strategy, providing reliable protection for water zones against floating mines and restricting access to designated no-go zones for unauthorized vessels. Additionally, they serve as a formidable barrier against sudden sea attacks, such as those from high-speed boats.

## Applications of Floating Protective Barriers:

- **MINE COUNTERMEASURES:** Prevents floating mines from penetrating protected waters.
- **PORT AREA DEFENSE:** Protects port areas from unauthorized access and attacks.
- **COASTAL AREA PROTECTION:** Safeguards vulnerable coastal areas from potential threats.





**ECONAD**

## FLOATING PROTECTIVE BARRIERS



### Technical Specifications:

Each base section of our marine protective barriers consists of:

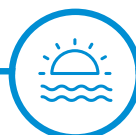
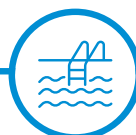
- **REINFORCED STEEL CORE:** Provides exceptional strength and durability.
- **DUAL FLOATS:** Ensures reliability and long-lasting buoyancy.
- **CENTRAL METAL STAR WITH SPIKES:** Acts as a deterrent against unauthorized intrusion.

The barrier sections are connected using shackles and swivels, minimizing stress from bending and torsion during use. This modular design also allows for easy extension to meet the required length specifications.

The assembly is designed to withstand tensile forces exceeding 30 tons, ensuring its reliability even under the most challenging conditions.



E-mail: [econadin@ukr.net](mailto:econadin@ukr.net)  
contact@econadin.com  
Skype: econad.sie  
Web: [www.econadin.com](http://www.econadin.com), [www.econad.com.ua](http://www.econad.com.ua)





# FLOATING PROTECTIVE BARRIERS

## Custom Design and Manufacturing:

ECONAD / MARSOFT specializes in the custom design and manufacturing of floating protective barriers tailored to your specific needs and requirements.

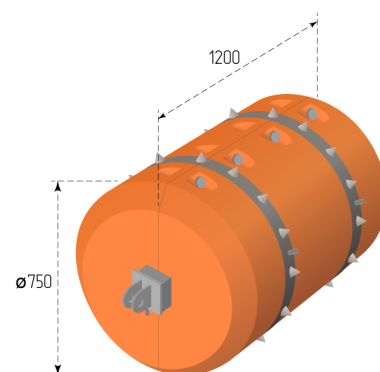
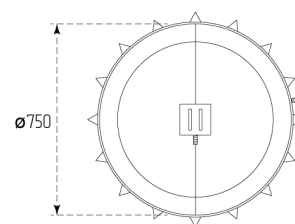
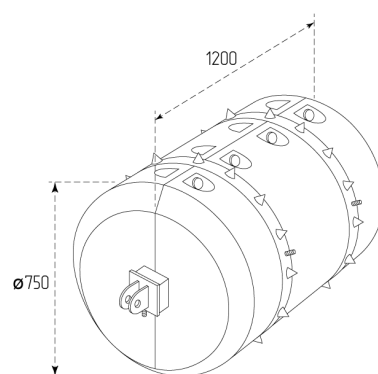
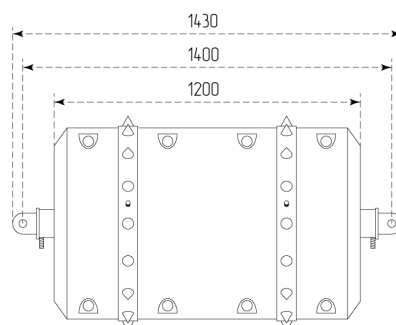
## KEY ADVANTAGES:

- **Ease of Installation:** Simple and efficient assembly process.
- **Long Service Life:** Engineered for extended durability.
- **Low Maintenance:** Requires minimal upkeep, reducing operational costs.

## OPTIONAL ACCESSORIES:

To further enhance security and functionality, we offer additional accessories, including:

- **Alarm and Lighting System:** Automatically activates upon intrusion detection.
- **Anti-Swimming, Anti-Drone, or Anti-Mine Nets:** Available in synthetic fibers or stainless steel.
- **Assembly Assistance:** Professional support for barrier installation.





# FLOATING PROTECTIVE BARRIERS



	<b>ECONAD ORCA 770</b>	<b>ECONAD ORCA 915</b>	<b>ECONAD ORCA 1200</b>
<b>Part No.:</b>	ORCA 770	ORCA 915	ORCA 1200
<b>Diameter:</b>	77cm (30.315in)	91.4cm (36.4in)	120cm (48in)
<b>Length:</b>	120cm (47in)	122cm (48in)	140cm (55in)
<b>Weight (dry):</b>	65kg	102 kgs (225lbs)	130kgs (286lbs)
<b>Buoyancy:</b>	420kg (925lbs)	680kgs (1500lbs)	870kgs (1918lbs)
<b>Freeboard:</b>	56cm (22.14in)	73cm (29in)	90cm (35.4in)
<b>Design Strength:</b>	69,000 kgs (152 kips)	74,000kgs (163kips)	78,000 kgs (171kips)
<b>Internal Construction:</b>	140mm*75mm I-beam	101mm (4in) steel tube	152.4mm (6in) steel tube
<b>EPS:</b>	Foam Fill	Foam Fill	Foam Fill
<b>Wall Thickness (nom):</b>	6-8 mm (0,25-0,31in)	6mm (0.250in)	6mm (0.250in)
<b>Material:</b>	LLDPE	LLDPE	LLDPE
<b>Color:</b>	Red/Yellow	Red/Yellow	Red/Yellow
<b>Connection:</b>	Steel cable / Rope / Cable loop etc		
<b>Attention:</b>	There are foamed and have steel channel and antirotation system inside		

