

INSTRUCTIONS FOR USE

CLS Upgrade Kit



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⚠ SAFETY HIGHLIGHTS – READ BEFORE USE

- **This product is NOT a life-saving appliance.**
The CLS Upgrade Kit is an accessory and must only be used together with a compatible throwable life-saving device (lifebuoy or horseshoe buoy).
- **The CLS Upgrade Kit does NOT guarantee a successful rescue.**
Rescue outcomes depend on the situation, environment, and user actions.
- **Never use the product to lift or hoist a person out of the water.**
The CLS Upgrade Kit is designed for horizontal pulling only. Vertical lifting may cause product failure.
- **Always ensure correct attachment to the life-saving device before use.**
Incorrect fastening, insufficient hook-and-loop closure, or use with incompatible devices may cause loss of connection between the rope and the life-saving device, resulting in an inability to pull the casualty to safety.
- **Check for obvious damage before use.**
Do not use the product if critical components are visibly damaged or missing.
- **Use only with compatible life-saving devices.**
The CLS Upgrade Kit is not compatible with all buoy shapes and sizes.
- **Follow official maritime safety rules and good seamanship practices.**
This product does not replace training, experience, or established rescue procedures.
- **This product is not Personal Protective Equipment (PPE).**
- **Do not use the product if it has been subjected to excessive load, shock or impact, even if no visible damage is present.**
- **Use of modified, repaired or non-original components may result in loss of functionality and serious safety hazards.**
- **In an emergency, the CLS Upgrade Kit may be used by any person attempting a rescue; however, familiarization with the product and practice under non-emergency conditions are strongly recommended to improve effectiveness and reduce the risk of misuse.**

IMPORTANT

Read these Instructions for Use carefully before installing or using the product!

Failure to follow these instructions may result in improper use of the product and may compromise safety.

1. PRODUCT IDENTIFICATION, CATEGORY, MANUFACTURER, DISTRIBUTOR

Product name: CLS Upgrade Kit

Product category: Accessory product for throwable water rescue devices

Product variants:

- CLS Upgrade Kit – for ring buoys
- CLS Upgrade Kit – for horseshoe lifebuoys

Manufacturer: Inshore Safety Kft.
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2. GENERAL SAFETY WARNINGS

⚠ WARNING!

- The instructions provided herein do not replace official safety regulations, maritime rules, or good seamanship practices.
- The use of this product does not guarantee the success of a rescue.
- This product is not a standalone life-saving device.
- The CLS Upgrade Kit does not replace personal protective equipment or throwable rescue devices.
- The product is intended to be used only together with a lifebuoy or horseshoe lifebuoy.
- The product is not compatible with all types and sizes of rescue devices. Always verify compatibility before use.
- The product is not designed for lifting persons out of the water.
- Before use, always check that the product is properly attached to the rescue device.
- Improper use of the product may result in unsuccessful rescue.
- Failure to perform regular inspections may result in unsuccessful rescue.
- The product is intended only for water rescue applications.
- The product shall not be used after the end of its recommended service life. Material degradation may occur without visible signs.

⚠ WARNING! – HEAT HAZARD!

Keep the product away from heat sources. High temperatures may damage the components and impair the intended function of the product.

3. INTRODUCTION AND USERS

Congratulations on purchasing the CLS Upgrade Kit. Thank you for choosing a product designed to enhance the safety of persons in and around water.

Please read these Instructions for Use carefully before putting the product into service. These instructions apply to both product variants. Differences are clearly indicated where relevant.

The CLS Upgrade Kit is an innovative, patented accessory product designed to improve the handling and usability of the attached rescue device, in particular:

- secure gripping by the rescuer,
- improved throwing performance,
- controlled pulling of the person being rescued,
- effective handling of the rescue line (buoyant lifeline).

The CLS Upgrade Kit does not adversely affect the essential rescue functions of the attached rescue device, including buoyancy, visibility, and the ability of the person being rescued to grasp the device.

Two categories of persons are involved during use:

- the **rescuer**, and
- the **person being rescued**.

For the purposes of this product, the **rescuer** is considered the user.

The required abilities and skills of the person being rescued are defined exclusively by the rescue device itself and its official specifications. The CLS Upgrade Kit neither extends nor restricts these requirements.

The product may be used by rescuers who:

- are capable of understanding and following the instructions of both the CLS Upgrade Kit and the attached rescue device, or
- operate under the direct supervision of a responsible person capable of giving clear instructions.

In such cases, the supervising person is responsible for selecting individuals who are suitable to perform rescue actions.

4. INTENDED USE AND BASIC PRINCIPLES

The CLS Upgrade Kit is an accessory product designed to be attached to specific throwable water rescue devices (ring buoys and horseshoe buoys). The CLS Upgrade Kit is intended exclusively for **horizontal towing of a single person** in the water. The product **shall not be used for vertical lifting, body support, anchoring, securing vessels or loads**, or for towing multiple persons simultaneously.

The product is intended to:

- improve handling and control of the rescue device,
- support throwing accuracy,
- improve handling and control of the rescue line

The CLS Upgrade Kit:

- must be used **only together with a compatible rescue device**,
- is not intended to function independently,
- does not replace the original rescue device or its safety requirements.

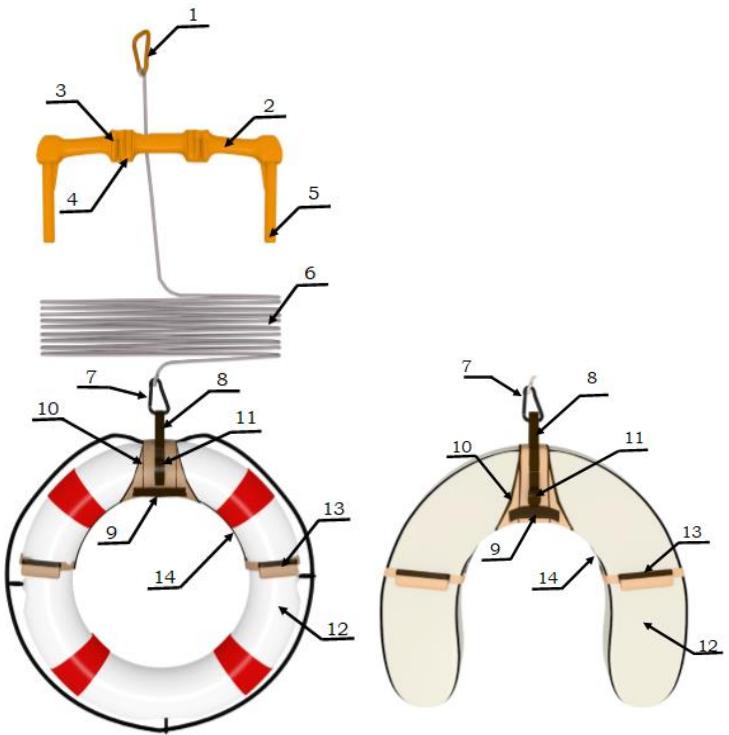
This product has been designed for use in freshwater and saltwater environments. Use outside the specified conditions may compromise safety and is the sole responsibility of the user.

5. PRODUCT VARIANTS AND COMPATIBILITY

5.1. PRODUCT CONTENTS

Before assembly, check that all components listed below are present and undamaged. The CLS Upgrade Kit consists of the following main components:

- 1 – Coloured carabiner (line securing carabiner)
- 2 – Plastic handle
- 3 – V-cleats
- 4 – Rope deflector
- 5 – Line holder
- 6 – Floating rescue line (buoyant lifeline)
- 7 – Black carabiner (connection for towing eye)
- 8 – Integrated towing eye
- 9 – Webbing handle
- 10 – Harness
- 11 – Hook-and-loop fastening straps
- 12 – Rescue device
(product does not contain!)**
- 13 – Storage pockets with straps
- 14 – Plastic insert



⚠ WARNING!

Do not use the product if any component is missing, damaged, excessively worn, or modified. Replace damaged components before use.

5.2. PRODUCT VARIANTS AND COMPATIBILITY

The CLS Upgrade Kit is available in two product variants. Always select the variant appropriate for the type of rescue device used.

- Variant for Horseshoe Lifebuoys: The plastic insert is curved longitudinally and has a flat cross-section, allowing proper fit to curved flat surfaces. Production number prefix: **IS-CLS-H**
- Variant for Ring Lifebuoys: The plastic insert is curved both longitudinally and transversely, allowing it to conform to the toroidal inner surface of standard ring lifebuoys. Production number prefix: **IS-CLS-R**

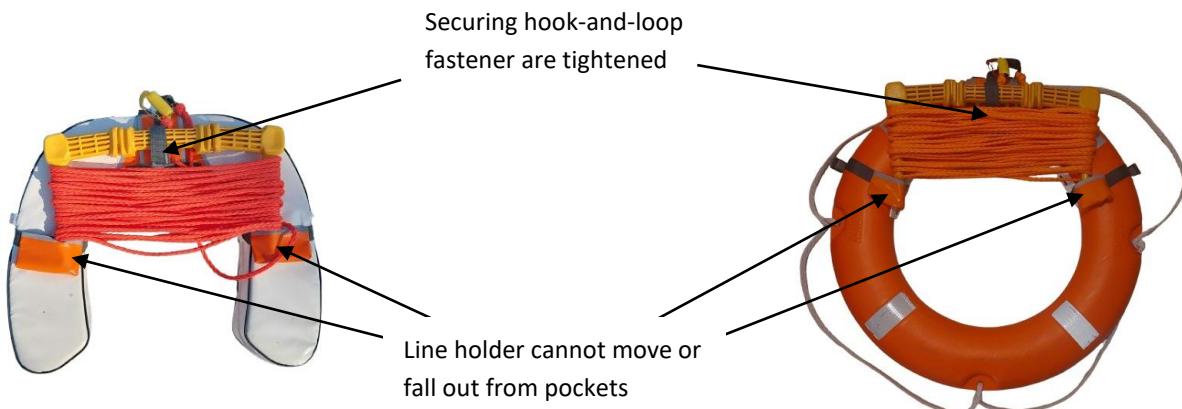
⚠ WARNING!

If the cross-sectional shape of the rescue device differs significantly from standard designs, the plastic insert may not fit correctly. In such cases, the CLS Upgrade Kit is not compatible with the rescue device.

Rescue devices may also vary in size. The CLS Upgrade Kit is designed to allow limited size adjustment. Compatibility is considered acceptable if:

- the **line holder** can be fully inserted into the **storage pockets**, and
- the **plastic handle securing hook-and-loop fastener** can be tightened so that the line holder cannot move or fall out unintentionally.

Adjustment is possible using the overlap length of the hook-and-loop fasteners, and the vertical positioning of the storage pockets via the openings in the plastic insert.

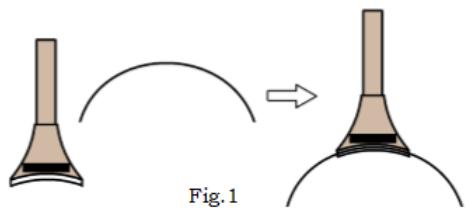


5.3. ASSEMBLY

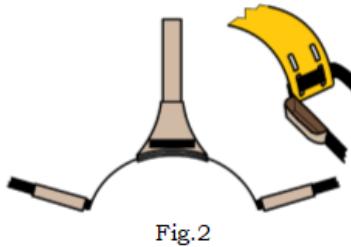
The assembly procedure is identical for ring lifebuoys and horseshoe lifebuoys. For clarity, the procedure is illustrated using a horseshoe lifebuoy. Additional illustrated instructions and videos for ring lifebuoy installation are available at:

<https://inshoresafety.com/cls-install/>

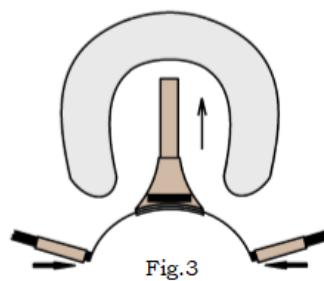
1. Insert the plastic insert through the opening in the harness and position it symmetrically.



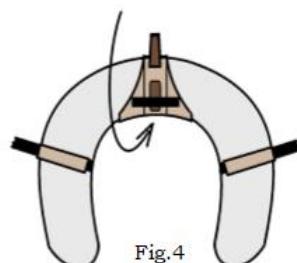
2. Thread the straps of the storage pockets through the appropriate openings in the plastic insert so that the pockets open upwards, and they are positioned on the same side as the webbing handle.



3. Carefully compress the plastic insert and place the harness into the inner curve of the rescue device.



4. Secure the harness tightly around the rescue device, ensuring that the hook-and-loop fastener is routed underneath the webbing handle. The hook-and-loop fastener must overlap onto the rear surface of the rescue device by at least 50%. Verify that the fastener is fully and securely closed along its entire length.



5. Secure the storage pockets tightly around the rescue device. The hook-and-loop fasteners must overlap by at least 5 cm (2").

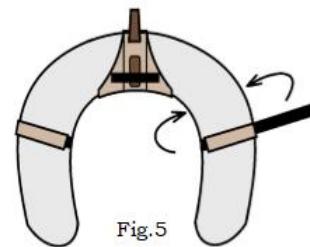


Fig.5

6. Check that the floating rescue line is fully wound onto the line holder in a figure-eight pattern. Remove any additional attachments securing the line to the plastic handle.

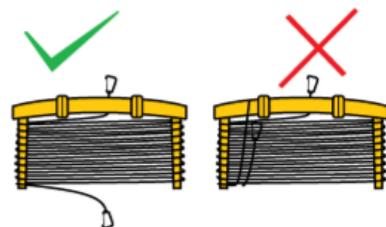


Fig.6

7. Attach the **black carabiner** to the **harness towing eye** and verify that the carabiner is fully closed and locked.

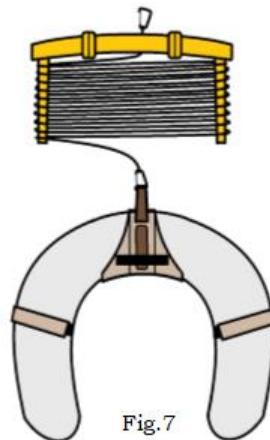


Fig.7

8. Slide the line holder into the storage pockets. Tighten and secure the plastic handle retaining hook-and-loop fastener so that the line holder cannot move or fall out.

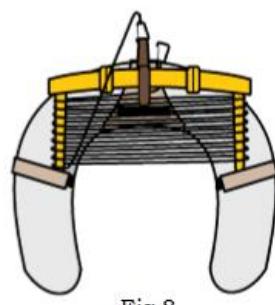


Fig.8

9. If the handle can move upward, thread the pockets through an opening one level higher so that the handle is positioned higher. If the handle is positioned too high and the hook-and-loop fastener of the handle makes contact over only a very small surface area, reposition the pockets to a lower level. With correct positioning and properly tightened hook-and-loop fasteners, the rope holder cannot move out of the pockets..

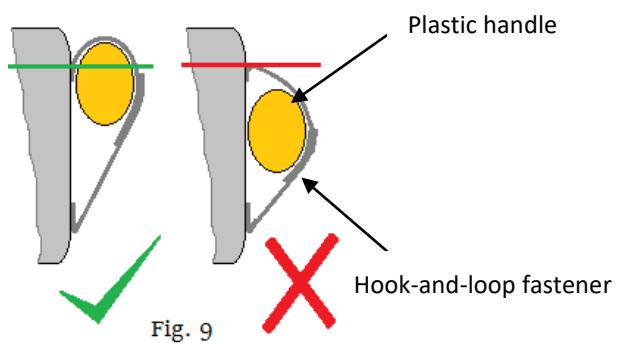


Fig. 9

⚠ WARNING!

- Incorrect positioning of the storage pockets or insufficiently tightened hook-and-loop fasteners may cause the line holder to fall out, delaying or preventing a rescue.
- During installation, ensure that the harness, storage pockets and straps do not obstruct the use of the grab line of the rescue device, and do not cover or reduce the visibility of reflective elements.
- Improper installation, insufficient fastening force or incorrect pocket positioning may result in uncontrolled release of the rope bundle during use, leading to delayed or failed rescue.

6. USE

In an emergency lifesaving situation, the CLS Upgrade Kit may be used immediately, provided that no obvious damage or defect is visible that would clearly make its use unsafe. **Rescue operations must not be delayed due to detailed inspection of the product.** In an emergency, the CLS Upgrade Kit may be used by any person attempting a rescue; however, familiarization with the product and practice under non-emergency conditions are strongly recommended to improve effectiveness and reduce the risk of misuse.

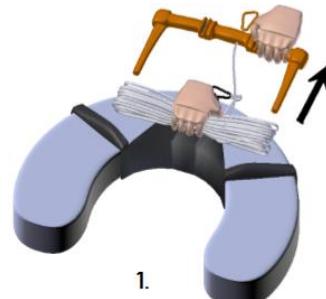
⚠ WARNING!

The procedure described below represents a generally effective and recommended practice. However, the person in charge of the rescue or the rescuer may decide to use a different procedure if, based on the situation, it is considered more appropriate.

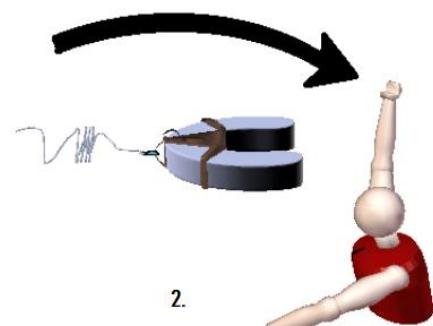
1. Grasp the assembled unit and place it so that the **plastic handle faces upward** and the **towing eye faces toward you**. With your **dominant hand**, firmly **grip the webbing handle together with the coiled floating rescue line**. With your **other hand**, **release the plastic handle retaining hook-and-loop fastener** and **remove the plastic handle with the line holder from the storage pockets**.

⚠ WARNING!

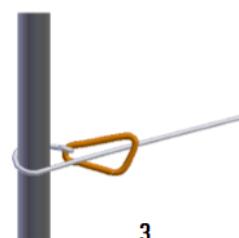
For accurate and safe throwing, always grasp the strap handle and the coiled rope with your dominant hand.



2. **Throw the rescue device** together with the floating rescue line **toward the person** in distress. If the throw is inaccurate and the rescue device does not land in a suitable position, retrieve the unit, rewind the line correctly, grasp the webbing handle and the coiled line together again, and repeat the throw. Correct line winding is described in Step 5 below.

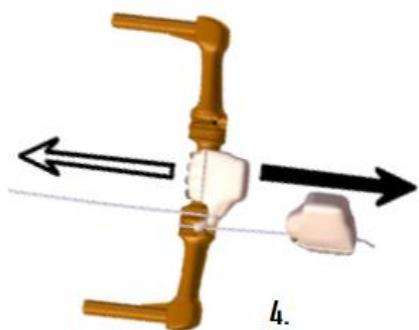


3. While the person in distress secures themselves to the rescue device and assumes a stable position, **attach the coloured carabiner to a suitable fixed point** (e.g. boat railing). Pull the person to safety using the floating rescue line.



4. In strong currents, flowing water, or when the vessel is moving, increased pulling force may be required. In such cases, **guide the line segment leading toward the person in distress into the rope deflector groove, wrap the line around the plastic handle, and lead it into the V-cleat** so that the line is securely gripped. Make sure that your fingers do not get caught between the rescue line and the handle.

Pull the handle toward you. When slack occurs, **push the handle forward while controlling the free end of the line with the other hand.** By slightly tilting the handle, the line can be released from the V-cleat during forward movement and re-engaged for pulling. **Repeat this motion** until the person is safely recovered.



⚠️ WARNING!

The V-cleat must never be used without the rope deflector groove. Using the V-cleat alone may cause uncontrolled rope movement and sudden release.

5. After completing the rescue:

- Remove the unit from the water.
- Wind the floating rescue line onto the line holder as follows:
 - Pull the coloured carabiner into the plastic handle until it stops.
 - Hold the line holder with its arms pointing upward.
 - Wind the line in **loose figure-eight loops**, starting from the plastic handle and moving toward the rescue device.
 - **While winding, inspect the line for damage.**
- Insert the line holder back into the storage pockets and secure the plastic handle tightly with the hook-and-loop fastener.
- **Check the rescue device and all components for visible damage.**
- Return the unit to its standby position.

If a rescue scenario requires the use of the rescue device without the floating rescue line, the rescue device can be easily disconnected from the line by releasing the black carabiner.

If only a line throw is required, the detached **plastic handle and floating rescue line unit** may be used independently. The handle is buoyant, clearly visible, easy to throw and easy to grip.

Supplementary instructional videos are available at <https://inshoresafety.com/cls-use/>

FORESEEABLE MISUSE

⚠️ WARNING!

The following shall be avoided in particular:

- **incomplete, incorrect or inadequate fastening or securing;**
- **failure to perform regular inspections;**
- **use of the product or its components as climbing aids or as lifting equipment.**

7. MAINTENANCE, INSPECTION AND STORAGE

The following inspections shall be carried out **at least once per month**, in a **non-emergency situation**, while the rescue device equipped with the CLS Upgrade Kit is in standby condition. The purpose of these inspections is to ensure that the unit is immediately and safely usable in an emergency. Failure to perform regular inspections may result in hidden degradation of critical components, increasing the risk of product failure during emergency use.

INSPECTION CHECKLIST

- No visible damage, excessive wear or contamination affecting functionality
- Hook-and-loop fasteners retain adequate holding strength
- CLS Upgrade Kit is securely and firmly attached to the rescue device
- Plastic handle retaining hook-and-loop fastener is tight; line holder cannot move or fall out
- Floating rescue line is fully wound in a figure-eight pattern and not otherwise secured
- Carabiners open and close smoothly
- Black carabiner is correctly attached to the harness towing eye
- Harness, pockets and straps do not obstruct:
 - gripping of the rescue device
 - use of the grab line
 - visibility of reflective elements

If any inspection point is not fulfilled, **do not use the product** until the defect has been corrected or the affected component replaced.

⚠ NOTE

Colour changes due to UV exposure do not necessarily indicate functional degradation.

CLEANING AND MAINTENANCE

Maintenance consists of cleaning contaminated components and replacing damaged or worn parts. After use in saltwater environments, always rinse the product thoroughly with fresh water and allow it to air-dry.

If hook-and-loop fasteners become contaminated, their holding strength may be reduced. Remove debris using a soft brush (e.g. toothbrush). Salt crystals can be removed by fresh water rinsing. Greasy or sticky contamination should be removed using a cloth or soft sponge with clean water or mild detergent.

⚠ WARNING!

Do not use high-pressure cleaners, high temperatures, sharp objects or aggressive solvents. These may weaken the materials and compromise safety. Exposure to fuels, oils, solvents or unapproved cleaning agents may permanently weaken materials and reduce load-bearing capacity.

STORAGE

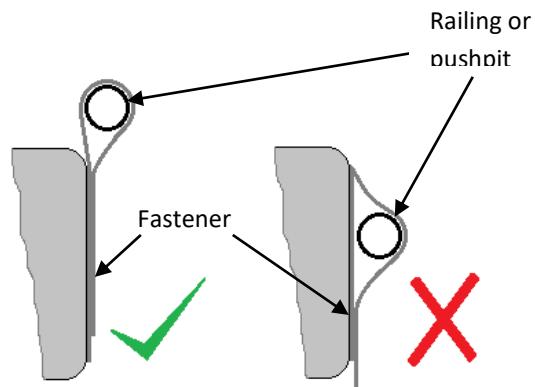
If the product is to be stored for an extended period in a “**not in use**” condition, store it in a dry place protected from direct sunlight. Ensure that the buoyancy foam of the carabiners is not stored in a compressed state.

When storing the product in a “**ready for use**” condition, observe the applicable requirements. Position the product so that it is easily accessible. For this purpose, the dedicated holders or storage devices may be used, or alternatively the double hook-and-loop storage strap located on the rear side of the harness.

⚠ WARNING!

The storage strap may only be attached to horizontally positioned components with an approximately circular cross-section and a maximum diameter of **25 mm (1")** (e.g. boat railings).

When using the hook-and-loop storage strap, the attachment is considered correct only if the hook-and-loop fastener is fully engaged along its entire length. The correct method of attachment is shown in the accompanying illustration.



8. DISPOSAL AND ENVIRONMENTAL INFORMATION

Packaging materials and the product at the end of its service life shall be disposed of in accordance with applicable local, national and environmental regulations.

Description	pcs	Material	Symbol
Carabiner spine	2	Aluminum	
Carabiner gate	2	Steel	
Buoyant foam	2	NBR	
UV protective cover	2	LDPE	
Rescue line	1	HDPE	
Plastic handle	1	PP	

Description	pcs	Material	Symbol
Harness	1	PVC /PES	
Holder pockets	2	PVC /PES	
Insert	1	PP	
Description	pcs	Material	Symbol
Plastic sack	1	LDPE	
Instructions	1	Paper	

9. MANUFACTURER'S WARRANTY

The manufacturer's warranty period is **12 months from the date of purchase**. Warranty claims must be submitted through the seller and must be supported by valid proof of purchase. The warranty covers material and manufacturing defects occurring within the warranty period under normal use and proper maintenance.

The warranty does **not** cover:

- normal wear and tear,
- UV-related discoloration,
- improper or non-intended use,
- modifications or alterations,
- incorrect installation,
- lack of maintenance.

The CLS Upgrade Kit is a lifesaving support product.

The manufacturer assumes no liability for damages resulting from use contrary to this Instructions for Use, improper maintenance, or unforeseeable circumstances.

Residual risks are inherent to all water rescue operations and cannot be completely eliminated by product design or instructions.