

PRODUCT DATASHEET

CLS Harness Kit - Replacement Component for the CLS Upgrade Kit

Product Overview

The **CLS Harness Kit** is a key functional component of the **CLS Upgrade Kit** and the **CLS Rescue System**. It provides a secure interface between a throwable life-saving device and the CLS rope assembly, improving handling, throwing ergonomics, and load distribution during rescue operations.

The Harness Kit is designed as a **replacement component**, intended for maintenance, repair, or partial replacement within an existing CLS system.

⚠ The CLS Harness Kit is not a standalone life-saving appliance.

What Problem Does It Solve?

Standard ring buoys and horseshoe buoys are not designed for repeated towing loads, controlled throwing, or ergonomic handling by untrained users.

The CLS Harness Kit addresses these limitations by:

- creating a defined towing interface,
- improving grip and throwing control,
- distributing towing forces over the buoy surface,
- ensuring immediate use.

Key Benefits

Improved grip and throwing ergonomics

Integrated strap handle supports controlled, accurate throws.

Defined towing connection point

Reinforced towing eye ensures predictable load transfer.

Load distribution

Plastic insert spreads towing forces across the buoy surface, reducing structural stress.

Secure attachment

Adjustable hook-and-loop fastening system enables stable mounting without permanent modification.

System compatibility

Designed to integrate seamlessly with the CLS Rope Assembly.

Product Variants

The CLS Harness Kit is available in two variants:

CLS Harness Kit – Ring Buoy Version: Plastic insert contoured for toroidal (ring-shaped) buoys,

Product code prefix: **IS-HNK-R-...**

CLS Harness Kit – Horseshoe Buoy Version: Plastic insert contoured for curved flat surfaces,

Product code prefix: **IS-HNK-H-...**

Compatibility

- Compatible with **CLS Rescue Line Assembly**
- Designed for use with **most standard-sized ring and horseshoe lifebuoys**

 Compatibility depends on buoy shape, size, and cross-section. Correct fit must be verified before first use.

Main Components

- Load transfer harness with integrated towing eye
 - Strap handle for improved grip and throwing
 - Adjustable hook-and-loop fastening straps
 - Integrated pockets for CLS rope holder positioning
 - Plastic load-distribution insert
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Materials

- Webbing and coated textiles: **PVC, PES**
 - Plastic components: **HDPE, PP**
 - Load-bearing metal elements: **aluminum, steel**
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Intended Use

The CLS Harness Kit is intended to:

- connect the buoy to the CLS rope assembly,
- support horizontal towing of a person in the water,
- improve handling and deployment of the rescue device.

 **Vertical lifting or hoisting is not permitted.**

Safety & Compliance

- Assessed as part of the **CLS Upgrade Kit system**
- Covered by the system-level **risk analysis and safety concept**
- Developed in line with **ISO 10377:2013 consumer product safety principles**
- Subject to the **EU General Product Safety Regulation (EU) 2023/988**

Detailed safety instructions are provided in the **Instruction for Use**.

Service Life & Replacement

The CLS Harness Kit is a **wearing component**.

Service life depends on:

- frequency of use,
- UV exposure,
- environmental conditions,
- condition of hook-and-loop fasteners.

Replace the harness if significant wear, damage, or reduced fastening performance is observed.



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