



ULTIMATE GUIDE RELEASE HOOKS

The right hook for every situation

RELEASE HOOKS

INTRODUCTION

The maritime sector is a world of extremes. And in this world of extremes, good quality safety products are essential. Our SOLAS Maritime safety products enhance safety on board and prepares ships and vessels for possible emergencies.

What are release hooks?

A release hook is a device used to secure and release a life raft or rescue boat from a ship in case of an emergency. Release hooks are designed with safety as a top priority. They are equipped with mechanisms to ensure that lifeboats and rescue boats are securely held in place while the ship is at sea. However, in an emergency, they must be capable of releasing the raft or boat quickly and reliably to ensure the safety of those on board.

At T-ISS, we have several release hooks for life rafts and rescue boats. Some of these hooks release automatically, while others can be handled manually.

Automatic Release hooks are designed to act fast and swiftly when emergencies strike, without requiring human intervention. They can provide some peace of mind in the chaos of an emergency. Manual Release Hooks put the control of the hook in the hands of your crew. They offer a hand-on approach, allowing for a more customized response to emergency situations. Of course we also offer hooks that can be handled both manually and automatically.

High Quality Release hooks that live up to your safety standards

Last year, it has come to our notice that certain release hooks are being sold in the market, which not only fail to meet essential legal and regulatory requirements but also lack the necessary certifications. The risks of such bad release hooks extend beyond just inconvenience; they pose a severe threat to your safety, particularly when you're out at sea.

At T-ISS, we take the safety of maritime professionals and enthusiasts seriously. Since 2020, we've proudly served as the exclusive distributor of the renowned Wuxi line of release hooks manufactured by Wuxi Mingzi Machinery Manufacturing. This exclusive partnership ensures that you receive authentic, high-quality products, backed by the trust and reputation of two industry-leading brands.



LIFERAFT RELEASE HOOK PXOI

Our PX01 is a Liferaft release hook for davit-launched life rafts, and is built to handle a safe working load of up to 35 kN, making it suitable for life rafts carrying up to 40 people.



Pending:



Technical data

Maximum SWL: 3500 kg

Material: Stainless steel 316 / Duplex

Service life: 5 years



Approvals

- EC Directive 96/98EC on Marine Equipment (MED)
- Korean Register No. MED-MB-1283-21/1.26a&b
- Bureau Veritas
- USCG (pending)
- UK MER Reden Sign (pending)

Standards

- LSA Code for Lifeboat and Rescue Boat Release Hooks, as amended by IMO Resolution MSC.554(108).
- Fully compliant with applicable SOLAS requirements in force from 1 January 2026.

Article number	Description	Dimensions	Weight
RELHK-PX01R	Automatic release hook (liferaft) 35kN	260 x 260 x 70 mm	8,5 kg
REPL-PX01	Maintenance / Replacement set PX01		700 gr



PX02 Life Raft Release Hook

The T-SS Life raft release hook PX02 is a combined automatic release hook, just like the PX01, which means it can be activated manually or automatically. In case of an emergency, it will release the life raft when it comes into the water. Once the release hook is activated, it will quickly and reliably detach the life raft from its stowage, allowing it to float freely on the water and become accessible for deployment and boarding.

PX02 Life Raft Release Hook is a hook for davit-launched life rafts. It can handle a safe working load of 25kN.

When to use the PX02

The PX02 Life raft release hook can be used in maritime and offshore environments for the launch and retrieval of life rafts. The PX02 makes sure that your life rafts are securely stored and ready for use when needed. In the unfortunate case of an emergency evacuation, The PX02 release hook can be used to quickly launch life rafts to evacuate passengers and crew to safety.



Pending:



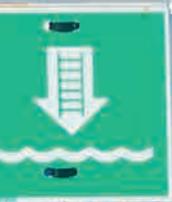
Approvals

- RINA
- Korean Register
- EC Directive 96/98EC on Marine Equipment (MED)
- USCG (pending)
- UK MER Reden Sign (pending)

Standards

- LSA Code for Hooks for Liferaft Launching, as amended MSC.81(70).
- Fully compliant with updated SOLAS requirements as per Resolutions MSC.320(89) and MSC.321(80).

Article number	Description	Dimensions	Weight
RELHK-PX02	Automatic release hook (liferaft) 25kN	300 x 190 x 90 mm	Approx. 8,2 kg
REPL-PX02	Maintenance / Replacement set PX02	-	800 gr



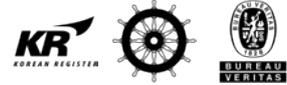






PX03 Rescue Boat Release hook

The T-ISS Rescue boat hook PX03 is a user-friendly, manual release hook that can handle a safe working load of 15kN. This simple hook is easy to operate and can be opened manually by one person.



Pending:



The PX03 Rescue boat hook plays a crucial role in maritime safety, ensuring that rescue boats can be efficiently launched and retrieved when needed. Its simplicity and ease of use make it a valuable tool for responding to emergencies and conducting safety operations at sea.

The T-ISS Rescue boat hook is also available in a Pro version, the PX03P. The PX03 Pro version works the same but can handle a safe working load of 30 kN.

When to use the PX03

The PX03 release hook can be opened manually by pushing the release handle in the upward position. The installation of the PX03 rescue boat release hook is easy. Disassemble the top shaft by removing the hexagonal securing screw, and unscrewing the nut which holds the shaft in position. Place the spliced eye or corresponding wire rope fall over the distance bush. Place the distance bush between the two side plates and place the shaft. Then make sure the shaft is fastened tightly and the hexagonal securing screw is put back in place.

PX03



PX03P



Approvals

- RINA
- Korean Register
- USCG (pending)
- UK MER Reden Sign (pending)

Standards

- LSA Code for Hooks for Liferaft Launching, as amended MSC.81(70).
- Fully compliant with updated SOLAS requirements as per Resolutions MSC.320(89) and MSC.321(80).
- In accordance with new MSC.554(2026) regulations.

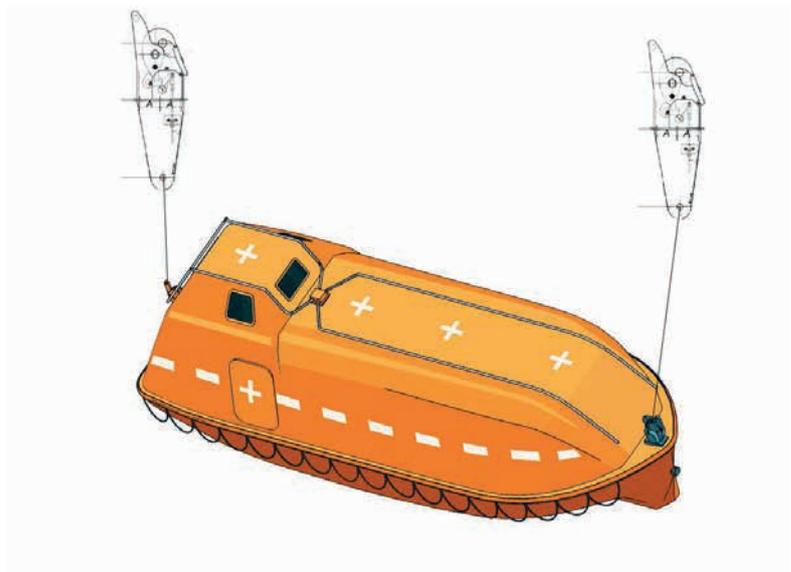
Article number	Description	Dimensions	Weight
RELHK-PX03	Manual release hook (rescue boat) 15kN	260 x 135 x 60 mm	Approx. 4,5 kg
RELHK-PX03P	Manual release hook (rescue boat) 30kN	260 x 135 x 60 mm	Approx. 4,5 kg
REPL-PX03	Maintenance / Replacement set PX03	-	600 gr

Life Boat Hook PX-WHK

The T-ISS Life Boat Hooks PX-WHK40 and PX-WHK65 are robust and sizable release hooks engineered to manage heavy lifeboats with ease. These hooks boast a safe working load (SWL) of 40 or 65 kilonewtons (KN), equating to impressive weight capacities of approximately 3320 kilograms for the PX-WHK40 and 4200 kilograms for the PX-WHK65. Crafted specifically to accommodate large and weighty lifeboats, these hooks are equipped with a specially designed release mechanism for optimal functionality and safety.

When to use the PX-WHK

These Life Boat hooks are specially crafted to accommodate large and heavy Life Boats. Two Life boat hooks are necessary to carry one lifeboat. This product comes as a set. A set includes 2 hooks, three soft shafts, a set of release handles, and a static water pressure release.



Approvals

- RINA

Standards

- These release hooks has been tested in compliance with IMO Res. MSC.48(66), as amended and IMO Res. MSC.81(70), as amended by Resolution MSC.321(89).
- In compliance with the Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2022/1157.

Article number	Description	Dimensions	Weight
RELHK-WHK40	Life Boat Release hook set 40kN	527 x 180 x 202 mm	110 kg
RELHK-WHK65	Life Boat Release hook set 65kN	622,5 x 216 x 242mm	120 kg





 **SOLAS HRU**  160.162
0575/2024 EC0575/7870

SEAMATE Ve-1
for Liferrafts & EPIRB ●

for Liferrafts 6 up to 150 pax max. and EPIRB
Do Not Paint, Replace every 3 Years
Releasedepth 1,5 - 4 mtr

T-ISS
 Made by Sea-Land Guangzhou
Risheng Marine Equipment Co., Ltd.
0097/2024

Hydrostatic Release Unit (HRU)

A hydrostatic release unit (HRU) is a pressure-activated mechanism. It is designed to automatically deploy a life raft when certain conditions are met. In the unfortunate event your vessel sinks, the HRU will activate and release the life raft at a depth between 1,5 and 4 meters. The pressure of the water against a diaphragm within the sealed casing causes a knife to cut through the rope, releasing the life raft.

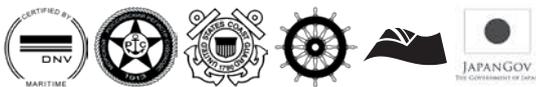
Our SeaMate Ve-1 hydrostatic release unit is designed to operate in all conditions. From extreme heat to the polar environment. In the exceptional situation that your vessel sinks, the T-ISS SeaMate Ve-1 will automatically release your life rafts and EPIRB's.

Our innovative design increased the reliability, that's why the T-ISS SeaMate Ve-1 has an expiry life of 3 years. This means you only replace the HRU every 3 years, instead of 2 years which is common.

Besides the cost saving, this also reduces the environmental footprint. The SeaMate Ve-1 hydrostatic release also fits on remote release systems. This enables you to release life rafts remotely.

When to use

Our Hydrostatic Release Unit is a unique part of our SOLAS Maritime Safety products and is used to automatically release life rafts and EPIRBs in the event of a vessel sinking, ensuring the safety of those on board in challenging maritime conditions. The HRU hooks are suitable for various HRU models made out of SS316, and have a breaking strength that complies with ISO6892. All hooks are packed in sets of 10 pieces.



Approvals

- Russian Register
- DNV
- USCG
- Korean Government
- Japanese Government
- UK-MER

Standards

- In compliance with ISO 15734

Article number	Description	IMPA	ISSA
HRU001-L	Seamate HRU for liferafts 6-150p	330119	4700802
HRU002-E	Seamate HRU for epirb bolt	330126	4700803
HRU003-M	Seamate HRU mini for liferafts 1-12p	330126	4700803
HRU004-R	Seamate HRU remote released model	330126	4700803
HRU005-C	Seamate HRU combination model	330119	4700802

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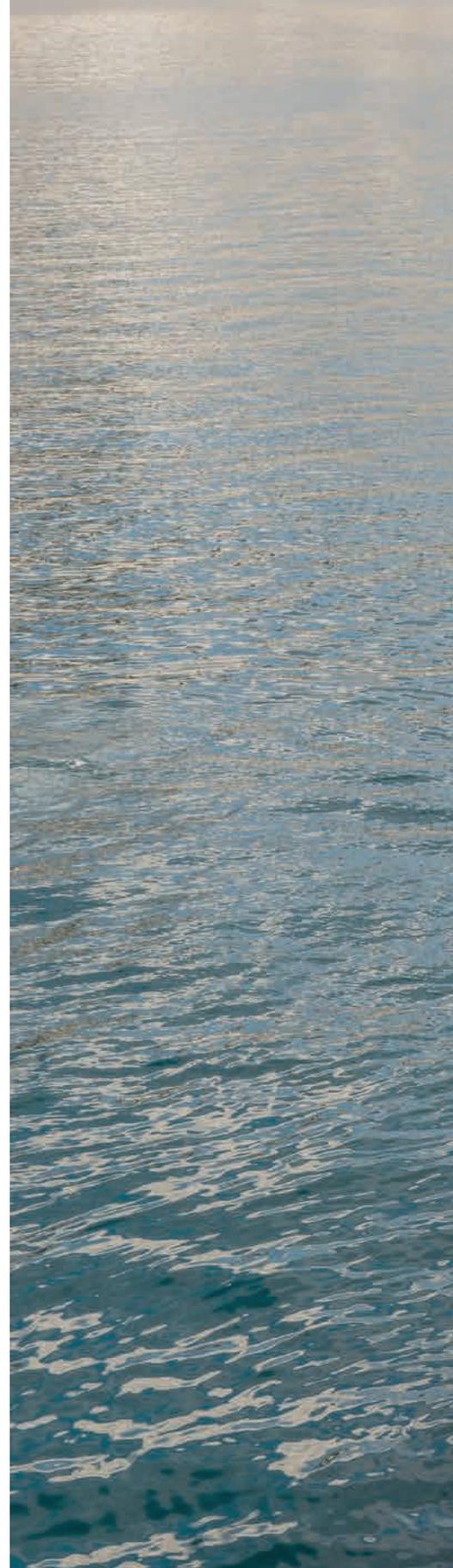
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