



Global Davit GmbH  
Survival- & Deck Equipment

# **INSTRUCTION MANUAL**

## **RESCUE BOAT**

### **OFF-LOAD RELEASE HOOK**

#### **HRN.28LT**



## Manual lay-out

This manual is in full accordance with the applicable regulations:

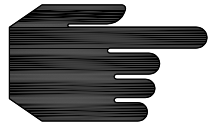
Solas 74 as amended to date

The International Life-Saving Appliances code

IMO resolution MSC.81(70), Part 1

IMO.1 / Circ. 1205

By studying this manual the crew of any ship or installation can become familiar with the safety equipment supplied. Only that way they can proceed correctly in the event of an emergency and launch/recover any life-saving craft safe and correctly.

 <p><b>Note</b></p>	<p>Due to the many available types within each range of products, some of the drawings may not fully correspond to the actual device or size.</p> <p>The principles and procedures remain correct and the deviation has no influence on the functioning of the appliance.</p>
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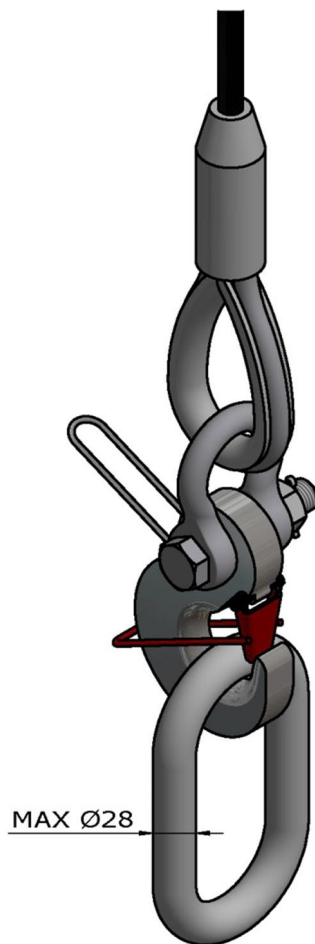
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## Generalities

The **Global Davit** off-load release hook HRN.28LT for rescue boats is manufactured in accordance with SOLAS 1974, amended up to the latest IMO resolution MSC320(89) which require a combination of “off-load” release hook and suitable painter line.



### HRN.28LT

The off-load release hook HRN.28LT is dimensioned to support the standard rescue boats with a maximum weight of 2.800 kg (6.100 pounds).

An arrangement drawing of the hook is incorporated in this manual.



**Mandatory**

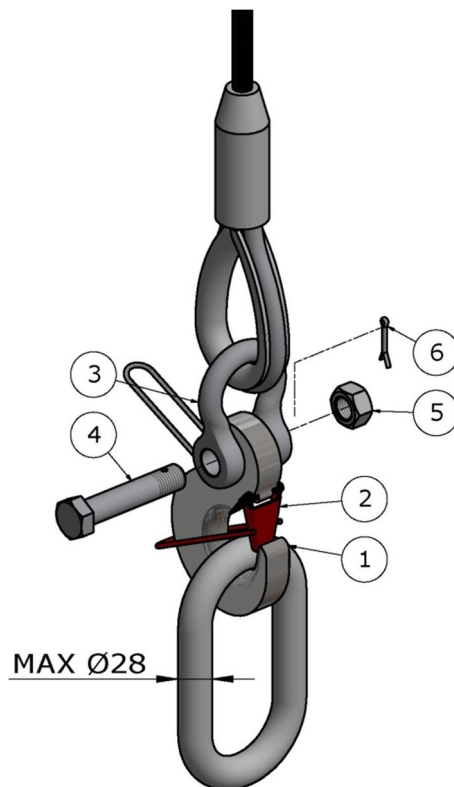
Dimensions of the suspension link or ring of the rescue boat are to be within the limits indicated.

Deviation is not acceptable as this may interfere with proper functioning of the hook.

## Installation instructions


The **Global Davit** off-load release hook HRN.28LT for rescue boats can be installed quite easily.

- remove splint <6>.
- twist the bolt/nut until the nut<5> can be removed.
- remove the bolt <4> from the shackle bow <3>.
- install the shackle bow in the thimble.
- place the hook <1> in the proper position and insert the bolt.
- install the nut and twist to the final position.
- install splint.



### Installation check

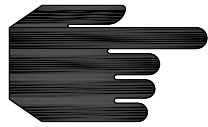
Check, during installation of the hook, whether all parts are installed. Only the safety lever on the hook with its control lever should be painted. The hook with its operation lever are of stainless steel, all other parts are hot galvanized.

 <p><b>Mandatory</b></p>	<p>The splint has to be re-installed in the shackle's bolt to prevent the nut from turning loose.</p>
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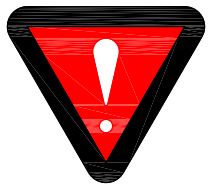
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## Operation instructions



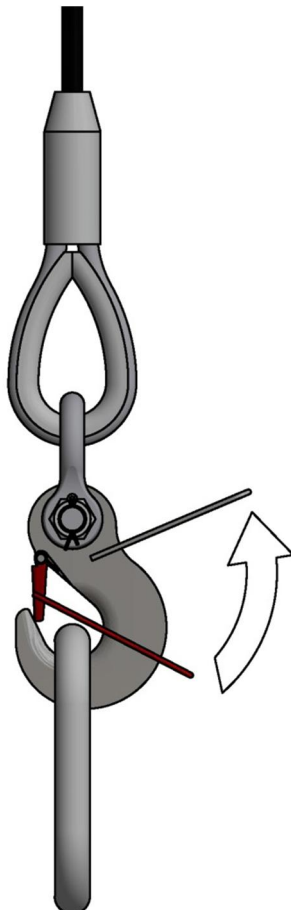
Note

Operation of any life-saving appliance is only allowed by persons that have read and do understand the content of the manufacturer's operation manual and that have been properly trained.



Warning

**Without a suitable painter line any launching / recovery is doomed to fail and will inevitably lead to injury or even death of rescue boat occupants.**



The Global Davit off-load release hook HRN.28LT is normally fixed to the free end of the running wire. Operation is only possible in "off-load" conditions. For that purpose the hook has to be used in combination with a suitable painter line.

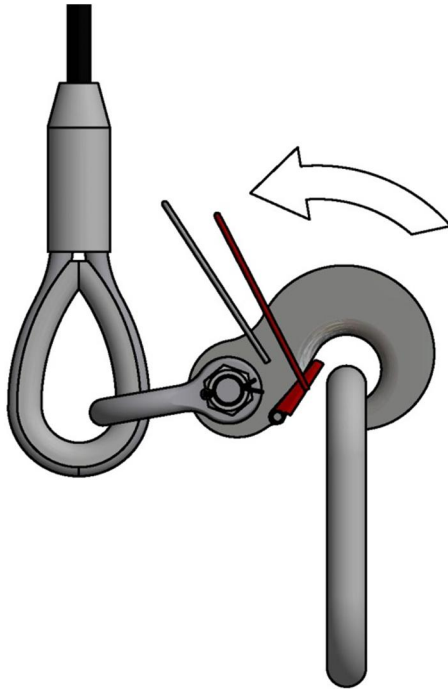
### Off-load release

For release of any rescue boat with the HRN.28LT hook the RED operation lever has to be lifted. This is only possible with a waterborne rescue boat and without load on the hook.

Premature or accidental release is being prevented by the hooks geometry.



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**One-hand operation**

Thanks to the geometry of the release hook a firm and decisive operation of the operation handles will lead to an immediate release. Assistance from a second hand or from a second person is not required.




**Never**

Never try to launch and/or recover any rescue boat from a ship that is making way without installing and applying a suitable painter line.

## Launching instructions

With the **Global Davit** off-load release hook HRN.28LT any rescue boats can be launched quite easily.

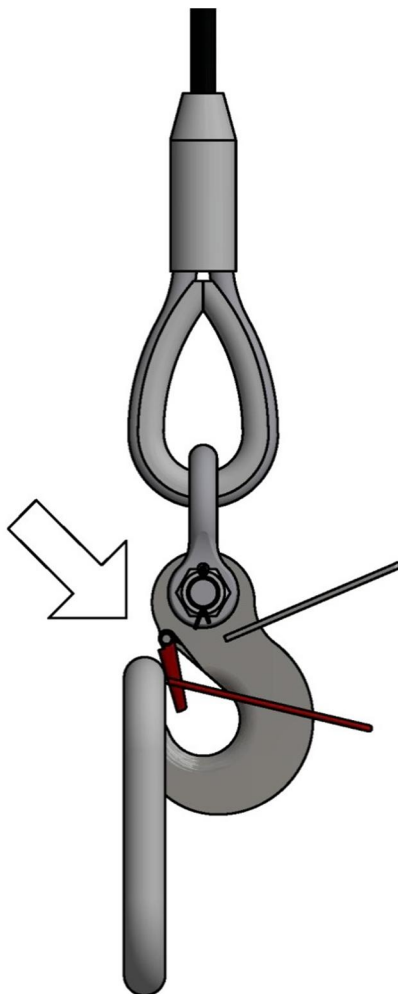
- check whether the painter line has been installed as appropriate.
- lower the boat to the water level with the davit or crane.
- maintain the boat direction (parallel to the ship) during the lowering sequence **by tightening** the painter line. Continue when the rescue boat has reached the water surface.
- create slack in the hoisting wire by pulling the hook downwards thus de-loading the hook.
- open the hook by lifting the RED operation lever firmly towards the hook lever and by rotating the hook to enable the lifting link to fall out.

 <p>Never</p>	<p>Never use two hands for the releasing of any rescue boat. The hook design allows operation with one-hand leaving the other hand for personal safety!</p>
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## Recovery instructions

With the **Global Davit** off-load release hook HRN.28LT any rescue boats can be recovered quite easily.

- steer the boat in a direction parallel to the ship and retrieve the painter line.
- allow the boat to fall back towards the crane/davit suspension position **while keeping the painter line tight!**
- reach for the hook while holding the boat's lifting ring.
- push the lifting ring sideward into the jaw of the hook thus pushing the securing lever aside.
- after releasing the hook and lifting ring the latter will automatically be locked in its proper position by the securing lever.
- commence recovery.



### One-hand operation

For the recovery of any rescue boat the suspension link of the boat has to be inserted into the HRN.28LT. Normally the link can be inserted with one hand by pushing the RED safety latch aside while inserting the link.

Two-hand operation may be required especially in foul weather conditions. Simultaneous action by two persons (one grasping the hook while the other inserts the link) is, by far, preferable above one-person operation.



## Maintenance instructions

The **Global Davit** off-load release hook HRN.28LT requires little maintenance. Nevertheless: some maintenance at regular intervals remains required.


### Maintenance by the ship's crew (3-month interval)


- clean the hook (remove any salt deposit, dirt or paint).

### Maintenance by an authorized service station

- functional check of the hook
- conditional check of all suspension parts (hooks, links, shackles, etc.).
- annual operational test with boat weight (fully equipped).
- 5-yearly operational test with 1,1\* the boat weight (fully equipped and manned).

The check should be recorded.

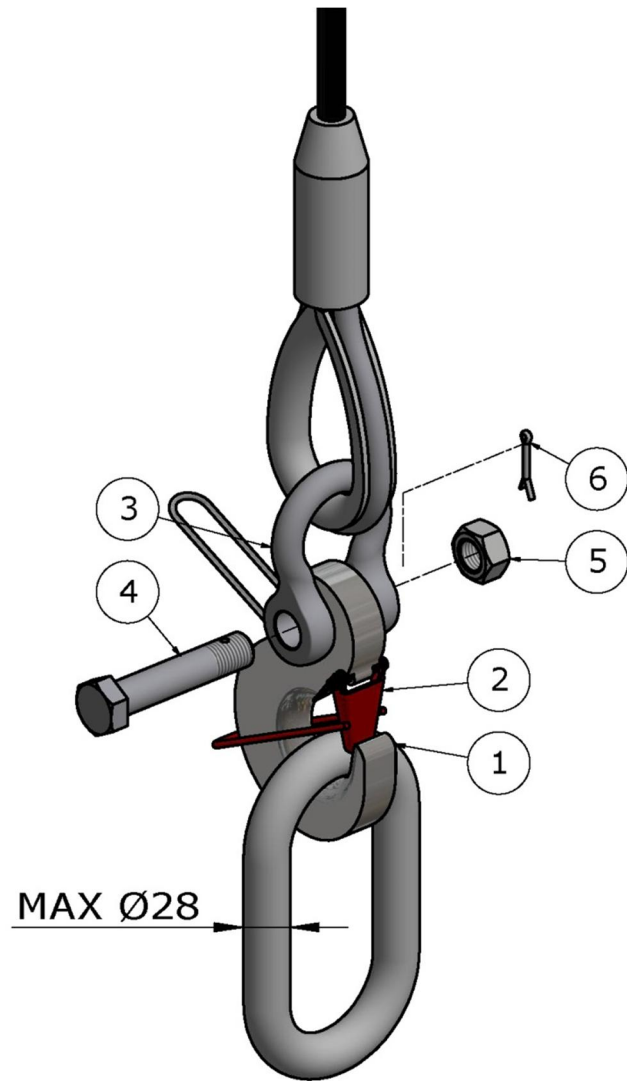
 <p><b>Note</b></p>	<p>The off-load release hook is made of corrosion resistant materials. It is therefore not necessary to grease or oil any component for lubrication.</p>
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 <p><b>Never</b></p>	<p>The off-load release hook should only be disassembled by a representative of Global Davit or by a certified service partner of Global Davit.</p>
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## Drawing



- |                   |           |
|-------------------|-----------|
| 01 hook           | 04 bolt   |
| 02 securing lever | 05 nut    |
| 03 shackle bow    | 06 splint |