



RESQ

M A R I N E



RELEASE HOOK FOR LIFE RAFTS AND RESCUE BOATS (360-T)

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1. 360-T release hook

360-T Combined Automatic Off-Load Release Hooks are used for life saving systems like life rafts or rescue boats, launched by a single fall or falls. The hook is a combined hook as its purpose is for life rafts and rescue boats.

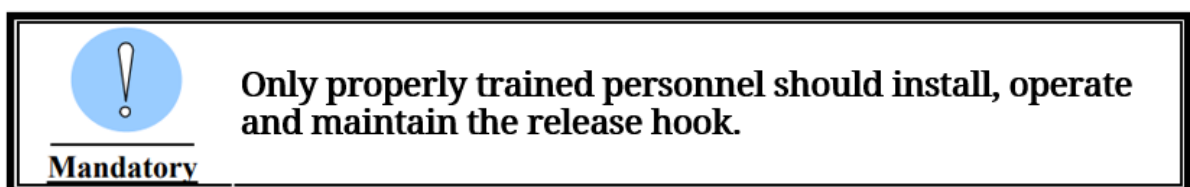
The hook is supplied complete, adjusted, fully tested and ready for installation. The system is fully tested according to the newest rules and regulations. During tests, all installed systems have been set for optimal performance.

The hook meets the latest IMO/SOLAS requirements and LSA Code and European Council 2014/90/EU on Marine Equipment requirements for off-load release hooks, as listed in the hook certificate for off-load release hooks.

The hook can carry a life raft or a rescue boat, with a load not exceeding 36kN, and it requires the use of

- a non-rotating wire rope
- a painter line
- a shackle Ø19 mm up to Ø27 mm

When installing the release hook, only the top spindle is permitted to be disassembled. Complete disassembly of the hook assembly is strictly prohibited. Full disassembly will result in permanent, irreparable damage to the mechanical system, which may lead to hazardous conditions, serious personal injury or fatalities.



2. Safety instructions



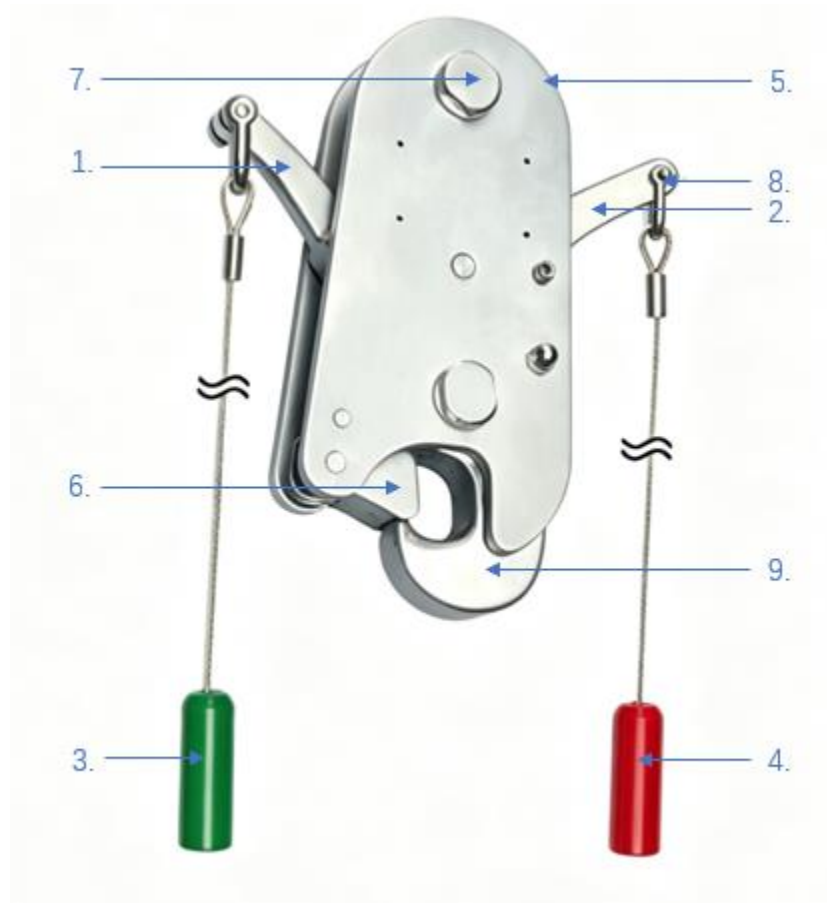
To guarantee safe operation, all personnel responsible for the installation, operation and maintenance of the 360-T release hook must thoroughly study this operation manual to fully master the system's functions and correct operating procedures.

Only personnel proficient in the hook's working principles and standard operating routines are authorized to operate the equipment.

It is recommended that this manual be kept readily accessible on board for all staff who work with the 360-T release hook.

- Make sure that the operator understands the functionality of this release system completely to ensure it can be operated safely.
- Always check that the hook is in good shape before commencing a drill.
- If any hazardous condition is found, this needs to be reported immediately and the hook must be put out of operation.
- For maintenance and overhaul only, original spare parts should be used.
- For maintenance and overhaul always use appropriate tools.

3. Technical specifications



1.	Actuating lever manual release
2.	Actuating lever automatic release
3.	Cord with green handle for manual release
4.	Cord with red handle for automatic release
5.	Distance bush and shaft
6.	Latch
7.	Nut
8.	Shackle
9.	Hook

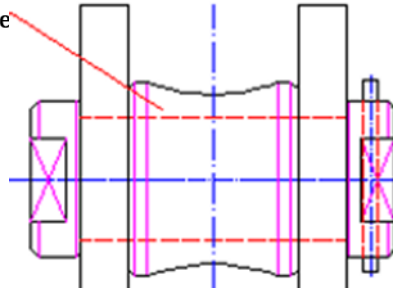
The 360-T combined release hook is intended to be used on life rafts and rescue boats only. Manufactured in seawater resistant stainless steel. It is designed as an integrated manual and automatic release hook. The Red rope handle activates the automatic release, the Green rope handle is for manual release. The Safe Working Load of the 360-T hook is 3600kg.

4. Installation Instructions

The release hook features simple installation steps:

1. Dismantle the top spindle;
2. Mount the spliced eye or matched wire rope fall onto the spacer bush;
3. Position the spacer bush between the two side plates and refit the spindle;
4. Tighten the spindle completely for firm fixation.

Only the top spindle to be disassemble



5. Operation Instructions



Caution

Before operating the release hook, make sure both handles are in the upward position to ensure locked

Automatic release

The red rope handle is engineered for off-load release, and this function shall be available for all operating scenarios. When actuating the off-load release mechanism, the hook must remain latched if the suspended load exceeds 30 kg. The hook will only unlatch when the load force falls within the range of 5 kg to 30 kg.

This red handle is normally pulled during lowering operations, right before the life raft or rescue boat makes water contact. Once the craft is afloat, the hook will release automatically, enabling the life raft or rescue boat to navigate safely away from the mother vessel.

Manual release

The green rope handle is designed for on-load release with a rated working load up to approximately 150 kg.

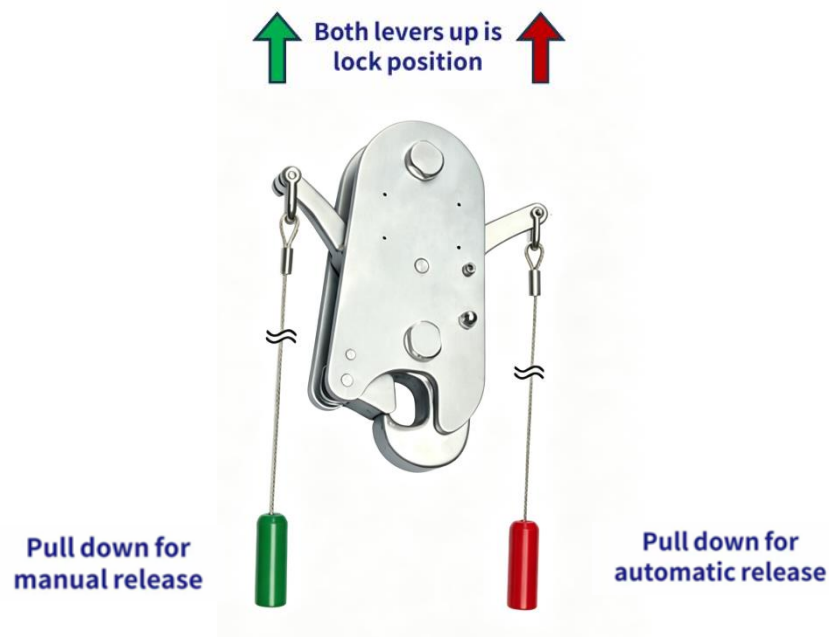
For instance, when the rescue craft is afloat in strong currents, water flow will pull the wire rope and maintain load tension on the hook assembly. Under such conditions, the green handle off-load release mechanism will not function properly.

To address this limitation, an auxiliary on-load release function equipped with a green rope handle is incorporated. This mechanism can be triggered by pulling the green hand grip and is capable of releasing the hook reliably at any load weight up to 150 kg, with an approximate required pull force of 60 kg.

Connecting the link into the hook

Before we place the suspension link into the hook, we must bring the hook back into working order. The following procedure must be followed:

- Swing (press firmly) the hook and release lever back into working position upwards.
- When ready for loading the hook, press the suspension link of the rescue craft into the hook.
- The latch will rotate up and the suspension link slides in to place and will be locked automatically. If the link is positioned incorrectly, we can release the hook by pulling firmly on the “Red hand grip”. Now we can reposition the hook as described above and place the link correctly.



6. Maintenance Instructions



Preventive maintenance can be done by any of the crew members and consists of:

- Keeping the hook clean, by cleaning with regular soap and water.
- Keeping all moving parts lubricated.
- Check for, and adjustment of, wear and tear parts.

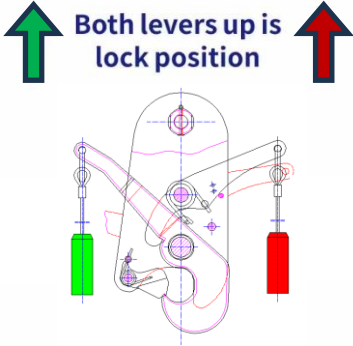
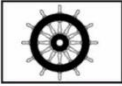
Always check the bow-shackle before use and make sure the tightening bolt are fit tightly. If the release hook will not be used for a longer period, please store it in the released position.

Below points must be followed to ensure the hook and its operation is in compliance with the regulations:

- Certificates, inspection and maintenance records must be kept and be available onboard.
- Replacement of parts must be carried out in accordance with the manufacturer's requirements and standards.
- Maintenance time schedule as per below must be followed.
- The hook should only be disassemble/assembled by an authorized person.

	Weekly	Monthly	5-Yearly
Clean and visual inspection, check for defaults.	x		
Lubricate moving parts.		x	
Check connection of wire rope to the hook.		x	
Check release cords (replace with original spare part, if damaged).		x	
Check automatic release function.		x	
Replace hook			x

7. Nameplate

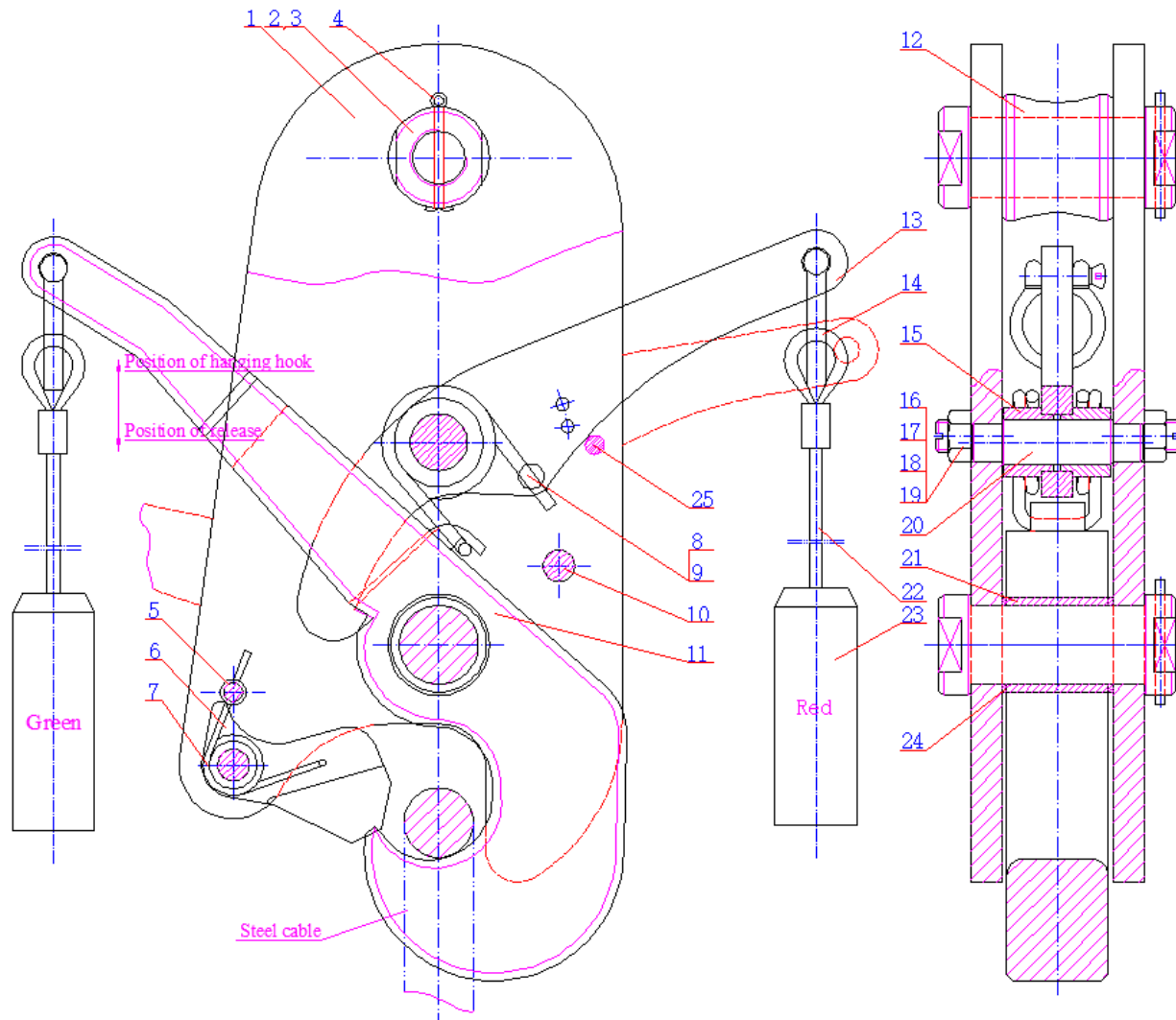
 	
Liferaft / Rescue Boat Release Hook	
Model:	360-T
S.W.L.:	3600kN
Serial Number: 0001	
 Both levers up is lock position Pull down for manual release Pull down for automatic release	
	2198/2026
www.resqmarine.com	

ATTENTION

**Please set to automatic release
before entering the water.**

**Release hooks shall only be repaired
or replaced by the manufacturer
or its authorized service agents.**

8. Drawing



9. Part List

Part No.	Part Code	Description	Material	Quantity
1	360NY-01	Left / Right side plate	S32205	2
2	360NY-02	Axis pin	S32205	2
3	360NY-03	Screw nut	S32205	2
4	Ø3*45(GB91-76)	Cotter pin	SUS316L	2
5	360NY-04	Catch spring axis pin	S32205	1
6	360NY-05	Baffle	S32205	1
7	360NY-06	Dual torsion spring	SUS316L	1
8	360NY-07	Dual torsion spring	SUS316L	1
9	360NY-08	Catch spring axis	S32205	1
10	360NY-09	Fitting pin axis	S32205	1
11	360NY-10	Combined unit of lifting hook and handle	CD4MCu	1
12	360NY-11	Roll	S32205	1
13	360NY-12	Controlling handle	S32205	1
14	Ø6(GB10603-89)	Lune shackle	SUS316L	2
15	360NY-13	Copper sheathing	H62	2
16	M10(GB52-76)	Screw nut	SUS316L	2
17	M10*33(GB73-76)	Plat-end set screw nut	SUS316L	2
18	360NY-14	Spring	S32205	2
19	Ø6(GB308-64)	Steel ball	SUS316L	2
20	360NY-15	Handle axis	S32205	1
21	360NY-16	Copper sheathing	H62	1
22	360NY-17	Handling steel wire rope	SUS316L	2
23	360NY-18	Handle	Nylon 6	2
24	Ø25(GB96-76)	Spacer	SUS316L	2
25	360NY-19	Label	S32205	1