

MAN OVERBOARD RECOVERY CRADLE

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New Regulations for Man Overboard Recovery



- **Regulation:** SOLAS regulation III/17-1 requires that “All ships shall have ship-specific plans and procedures for recovery of persons from the water, taking into account the guidelines developed by the Organization.
- The plans and procedures shall identify the equipment intended to be used for recovery purposes and measures to be taken to minimize the risk to shipboard personnel involved in recovery operations.
- **Time line:** Ships with Keels laid on/after 1 July 2014 will be required to comply with this resolution
- Ships constructed before 1 July 2014 shall comply with this requirement by the first periodical or renewal safety equipment survey of the ship to be carried out after 1 July 2014 whichever comes first.”
- **General Info:** The recovery plans and procedures should be considered as a part of the emergency preparedness plan required by paragraph 8 of Part A of the International Safety Management (ISM) Code.
- The purpose of this regulation is to provide guidance for the master and other crew members on board the ship regarding procedures for recovering persons from water. The recovery plans and procedures aim for the effective recovery and rescue of persons from water while reducing the risk to shipboard personnel involved in recovery operation.



Your Lifesaving Supplier

MOB Recovery Cradle



- The SOLAS approved MOB Recovery Cradle is a maritime recovery system that can be operated by a single crew member. The Cradle can also serve as a boarding ladder, scramble net and stretcher.
- The Cradle has no parts to corrode or degrade in seawater
- The Cradle is lighter, more compact than any comparable devices only requiring regular inspections and minimal maintenance every three years.
- The Cradles are amazingly lightweight, a 3 metre cradle weights as little as 5 kilograms
- The Recovery Cradle is primarily designed for use by rescue craft, rigid inflatables and ship lifeboats and marinas, however it can have multiple other uses.
- It forms both a robust scramble net as well as a temporary stretcher for immediate casualty evacuation.



Cradle width	1.3mt	1.3mt	1.3mt	1.3mt	1.3mt
Length	2mt	3mt	4mt	5mt	7mt
Freeboard	1mt	1.5mt	2mt	2.5mt	3.5mt

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MOB Recovery Cradle

- The carbon fibre rods are enclosed in flanged tubular webbing, when fitted and sewn at right angles between the double thickness pockets of a second webbing an incredibly strong structure is created.
- Simply connect one end of the cradle to the craft, the outboard end being held outwards by hand, boat hook or bridle. Guide the person into the cradle and then haul in rung by rung. The person is then safely rolled over the side and into the craft horizontally..
- The Recovery Cradle has been tested to ISO 799 as part of the SOLAS approval programme. This required successive rungs to be loaded to 900kgs plus, and sustained for one minute without failure.
- The construction has also been tested and approved for Thermal Ageing, Weathering, UV Light, Oil Resistance and practical performance.



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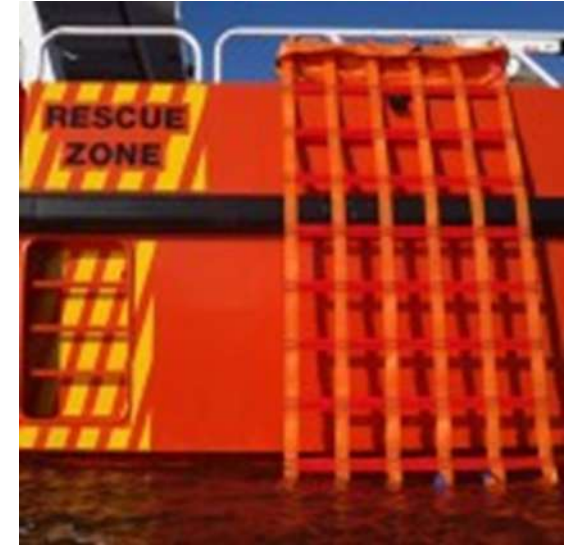
MOB Recovery Cradle

Features;

- No service – Crew maintenance only
- No parts to corrode or degrade in Seawater
- Lightweight
- 1 – 5mt 300kg SWL
- Long life
- The construction has also been tested and approved for Thermal Ageing, Weathering, UV Light, Oil Resistance and practical performance.
- The product comes with a two year warranty
- Approved as a ladder

Benefits;

- Can be inspected onboard by ships crew
- Reduced ownership costs
- Smaller versions can be used by one person
- Lower SWL of davits or booms on larger versions
- Up to 50% lighter than conventional equivalents
- Carbon fiber rods and pvc coated webbing for longer life
- Ideal for deck stowage



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MOB Recovery Cradle - Maintenance

- In accordance with Regulation SOLAS III/36. Instructions for on-board maintenance.
- Inspection checklist, as required by SOLAS regulation 20.7, to include: - • Wear and damage to the sewn eyes at each end of the Cradle
- (1) Wear and damage to the horizontal and vertical webbings
- (2) Wear and damage to the stitching and webbing
- The Recovery Cradle must be returned to for all repair or replacement.
- A competent person must carry out regular inspections.
- A log must be maintained of all inspections and maintenance.
- Lloyds Register Certificate of Type Approval No. SAS S100150/M1



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MOB Recovery Cradle – Strop fitting instructions

1. Pass loop end of strop through 1st sewn eye at the end of device
2. Pass loop end through ring at other end of strop
3. Pass loop end through the 2nd sewn eye on the device
4. Pass loop end through ring, open loop and fold back over ring, tension to secure.
5. Secure ring to vessel with quick link, karabiner or shackle
6. Repeat process with 2nd strop through 2nd and 3rd sewn eye



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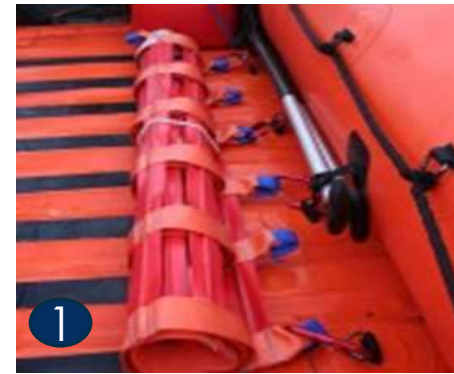
MOB Recovery Cradle Instructions

- **Operating Instructions:** The MOB Cradle is a recovery system that can be operated by a single person. It can also be used as a boarding ladder, scramble net and stretcher.
- **Preparation:** Make sure that your rescue craft has sufficient well-placed attachment points to secure the cradle across the full width. These can include a combination of lifting points, cleats, handles and deck eyes, stanchions and toe rails. Alternatively, strops can be supplied to rig the Cradle to the attachment points that are available.
- Secure one end of the Cradle to the attachment points with quick release fasteners, such as karabiners or shackles. **See fig 1**
- **Deployment:** Retain the free end of the Fibrelight Cradle in the hand and release the centre section into the water. Hold the free end outwards to form a trough in the water. **See figure 2.**

Guide the casualty fully into the Fibrelight Cradle; making sure that the torso is completely supported. **See figure 3.**

Important, on approaching the casualty, do not deploy the Fibrelight cradle until the rescue craft has stopped.

On rescue craft with a greater freeboard, the cradle may be manoeuvred satisfactorily by attaching a line to the sewn eye at each side of the outboard end of the Fibrelight Cradle to form a bridle; alternatively a boat hook or derrick may be used.



MOB Recovery Cradle Instructions



- **Recovery:** Haul in the Fibrelight Cradle rung-by-rung, hand over hand, returning each rung as recovered to the water and the casualty will be parbuckled on board, in the recommended horizontal position. **See figure 4.**
- The recovery is aided by the mechanical advantage provided by the cradle, which can enable a single crewmember to complete the operation.

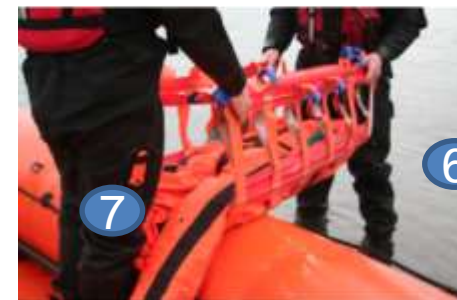
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See figure 5.

- If the casualty has sufficient strength to climb, the length of the Fibrelight Cradle should be lowered into the water to form a boarding ladder or scrambling net. **See figure 6.**
- In this form, the Fibrelight Cradle will allow a crew member to climb down to water level to secure an unconscious casualty.
- **Important;** To avoid the risk of tripping the Fibrelight Cradle must be folded double when used as a stretcher. **See figure 7.**
- **After Use** The Fibrelight Cradle should be hosed off with fresh water ready for re-use.

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Your Lifesaving Supplier

Range



Evacuation ladder



Offshore Solutions



MOB Recovery solutions



Stretchers

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