

HOW DO I DETERMINE THE TYPE & SIZE OF JASON'S CRADLE® TO SUIT MY VESSEL?

- The Standard unit is suitable for most vessels with up to 5m freeboard and is offered in three width options.
- The FRC Kit is suitable for all Fast Rescue Craft and is offered in two width options. Hard hull or inflatable versions are available.
- The Scramble net is suitable for high sided vessels, rescue zones and mass recovery/evacuation.
- The Stretcher unit is suitable for high side vessels, diver recovery and quayside rescue and is offered in two sizes.
- Our Bespoke Service offers the flexibility to meet all your requirements by tailoring the Jason's Cradle® system to suit any vessel where the dimensions are outside the above provision of stock units.

All Jason's Cradle® units carry our manufacturer warranty of 3 years excluding clips, strops, hauling lines, stowage bags and other additional fittings that carry the usual 1 year manufacturer's warranty.

CALL US ON +44 (0)1202 874365 EMAIL US AT INFO@JASONSCRADLE.CO.UK OR VISIT WWW.JASONSCRADLE.CO.UK

WHY DO I NEED IT?

Jason's Cradle® is designed to retrieve people quickly and horizontally from the water, thus reducing the possibilities of "dry drowning" now more commonly known as Circum Rescue Collapse. The horizontal lift for a MOB has now become critical in the modern marine world and by using the Jason's Cradle®, not only is this achievable, but it is one of the safest and quickest methods of retrieval for conscious and/or unconscious casualties.

Using Jason's Cradle® as your preferred MOB recovery system allows operators to retrieve casualties who are unable to assist themselves due to injury or high freeboard.



STRETCHER RECOVERY SYSTEM

The Jason's Cradle® Recovery Stretcher is available in two standard sizes to suit operator requirements.



JASON'S CRADLE® TECHNICAL SPECIFICATIONS

- Rungs: Delrin 100T High Tensile Plastic
- Centre/End Caps: Polyethylene LDPE & HDPE
- 316 Marine Grade Stainless Steel Link Components
- Stainless Steel Fasteners Used Throughout
- SOLAS Certification
- 1 tonne WLL Lifting Strops
- Flotation Tubes
- Tensile tested in excess of one metric tonne (2,205lbs)

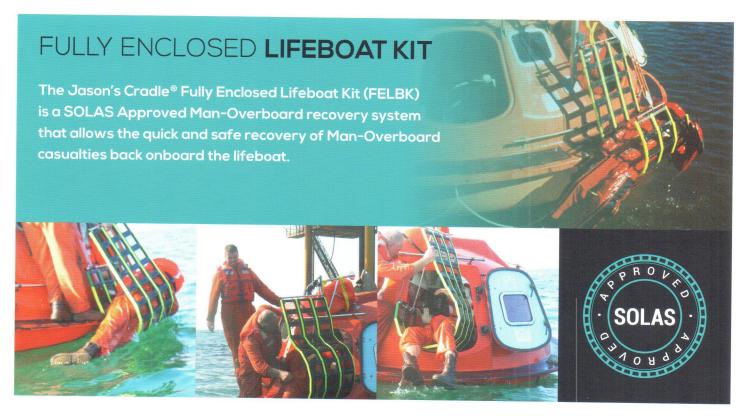
KIT CONTENTS

- 1MC-JCSTR009 Jason's Cradle® Stretcher - 1580mm long by 1150mm wide (Weight 25Kg) with 2 Leg 1.5m Strops & Bag
- 1MC-JCSTR011- Jason's Cradle® Stretcher - 1940mm long by 1430mm wide (Weight 34Kg) with 2 Leg 1.5m Strops & Bag

All Jason's Cradle® units carry our manufacturer warranty of 3 years excluding clips, strops, hauling lines, stowage bags and other additional fittings that carry the usual 1 year manufacturer's warranty.







JASON'S CRADLE® - A REAL LIFE SAVER

The Jason's Cradle® FELBK is the safest and most universally accepted method of rescuing a casualty from the water. The horizontal recovery position assists in enabling the casualty's blood to remain in the upper torso helping to minimise the potentially fatal effects of Circum Rescue Collapse. The design and construction of the Jason's Cradle® allows a one to one rescue.

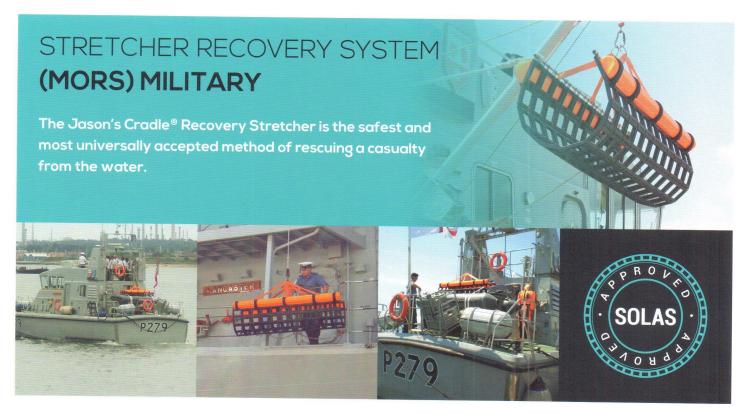
Specifically designed to allow swift easy recovery of Man-Overboard casualty back onboard fully enclosed lifeboats. Already in use with cruise companies, offshore support vessels, oil platforms and tanker vessels this piece of equipment is vital to the safety & survival of persons caught in the harsh environments of the sea.

WHY DO I NEED IT?

The Jason's Cradle® Fully Enclosed Lifeboat Kit is a proven method of Man-Overboard Recovery helping to eliminate the risks of Circum Rescue Collapse caused by raising casualties in the vertical position.

With Enclosed Lifeboats, the difficulties of retrieval and risk of Circum Rescue Collapse is greater due to the small hatches and confined space that is inherent in the designs. This makes Jason's Cradle® a necessity in providing the casualty with the safest and quickest method of recovery in the preferred horizontal position.





JASON'S CRADLE® STRETCHER

Casualty Recovery • Body Recovery • Diver Support

The horizontal recovery position assists in enabling the casualty's blood to remain in the upper torso helping to minimise the potentially fatal effects of Circum Rescue Collapse. The design and construction of the Jason's Cradle® Recovery Stretcher gives it a two-person lift capability. The Jason's Cradle® Recovery Stretcher, often referred to as MORS (Man Overboard Recovery Stretcher) is in use with militaries around the world.

BENEFITS OF THE JASON'S CRADLE® STRETCHER

- Speed and ease of deployment from high vessel freeboards.
- The basket like format enables easy access.
- Increase of efficiency and comfort levels of crews.
- The Casualty is in a full horizontal position reducing circum-rescue collapse.
- 2-person recovery allows for rescue swimmers to be recovered with the casualty.





'JASON'S CRADLE®' QUITE SIMPLY WE SAVE LIVES...

They are currently in service globally with most Navies' and are considered a vital piece of safety equipment. The kits are NATO Stock Coded, SOLAS Approved and guaranteed for 3 years.

- The FRC kit consists of a Jason's Cradle® with stowage bag and a fixing kit that
 enables the Cradle to be deployed on both the port and starboard side as
 required.
- Deployment of the Cradle forms a non-collapsible scoop.
- The FRC approaches the casualty slowly, keeping them on the windward side and the casualty is guided into the Cradle headfirst.
- A strop is pulled to close the loop.
- A co-ordinated and methodical lift takes place and 'rolling' him over the tube into the rescue craft in the medically preferred horizontal position retrieves the casualty.
- Even with very heavy bodies the lift takes just a few seconds due to the Cradle's 2 to 1 mechanical advantage.

NAVIES WORLDWIDE CURRENTLY USE THE JASON'S CRADLE®:

- Australia
- Belgium
- China
- Ireland
- Denmark
- Germany
- Netherlands
- United States of America
- United Kingdom
- Malaysia
- France





'JASON'S CRADLE®' QUITE SIMPLY WE SAVE LIVES...

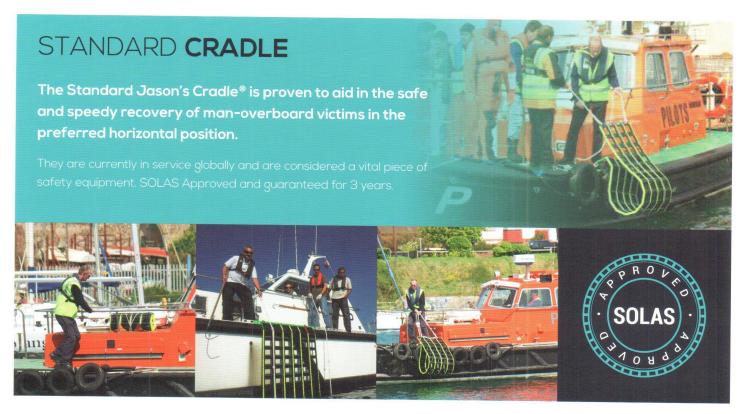
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'JASON'S CRADLE®' QUITE SIMPLY WE SAVE LIVES ...

- The Standard Cradle is simply fixed to the deck or rail to enable deployment within seconds
- The Standard Cradle can be easily rolled up for stowage
- Deployment of the Cradle forms a non-collapsible scoop
- The casualty is guided into the cradle head first
- A Strop and/or Hauling lines are pulled to close the loop
- A co-ordinated & methodical lift takes place & the casualty is retrieved by rolling onto the deck in the medically preferred horizontal position
- Bespoke Standard Cradle's range from 530mm to 1050mm Wide and 2290mm to 6870mm Long

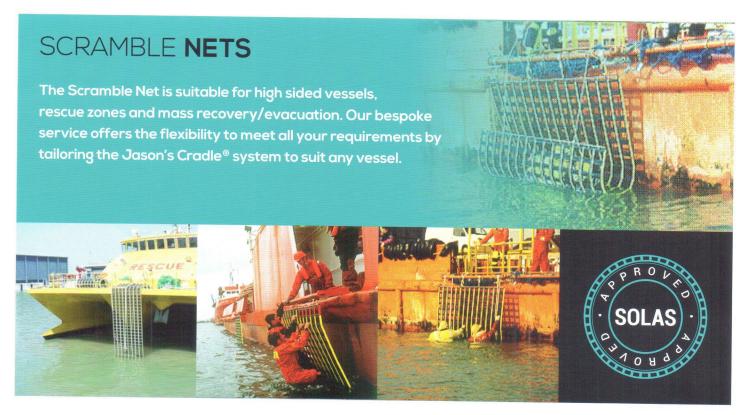
All Jason's Cradle® units carry our manufacturer warranty of 3 years excluding clips, strops, hauling lines, stowage bags and other additional fittings that carry the usual 1 year manufacturer's warranty.

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JASON'S CRADLE®:

- Casualty Recovery
- Body Recovery
- Diver Support
- Boarding Ladder





'JASON'S CRADLE®' QUITE SIMPLY WE SAVE LIVES ...

- The Scramble net is simply fixed to the deck or rail to enable deployment within seconds and can be easily rolled up for stowage
- A Strop and/or Hauling lines are pulled to form a non-collapsible scoop and the casualty is guided into the cradle
- A co-ordinated & methodical lift takes place & the casualty is retrieved by rolling onto the deck in the medically preferred horizontal position
- The easily accessible foot and handhold make climbing easy for the man overboard
- Large numbers of passengers and crew may simultaneously disembark in the event of an emergency

THE SCRAMBLE NET:

- Casualty Recovery
- Body Recovery
- Diver Support
- · Boarding Ladder

All Jason's Cradle® units carry our manufacturer warranty of 3 years excluding clips, strops, hauling lines, stowage bags and other additional fittings that carry the usual 1 year manufacturer's warranty.





MAXIMUM LOAD TESTED - 8450 N

67mm D-Rings, 185mm Hypalon Patches, 285mm Diameter Cylinder, 6.5psi



IMPORTANT SAFETY NOTICE:

Recommended D-Ring Adhesive for use with Jason's Cradle FRC Kit

BOSTIK 2402 ADHESIVE www.bostik.com

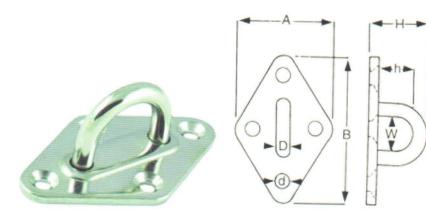




DIAMOND EYE PLATE - STAINLESS STEEL BREAK LOAD 1400KG

Dimensions in mm

D A B H h W d 8 50 80 33 20 18 5.2



IMPORTANT SAFETY NOTICE:

Pad eyes to be fixed to vessel in accordance with vessel manufacturer's guidance.



CORRECT DEPLOYMENT

Please note that the cradle is supplied with red and green ends and centres on the fixing end of the cradle. This end should be attached to the vessel. This ensures the correct orientation of the cradle when deployed over the side.





The red end is held in the left hand and the green end is in the right hand when standing on the deck facing to sea.

Please read "Rescue Procedure" for commercial craft enclosed with this rescue device.

Should you have any queries with fixing, please do not hesitate to contact us at Jason's Cradle, U.K.





MONTHLY MAINTENANCE CHECK LIST Should you have any queries, concerning anything on the list, please contact your local Authorised Service Agent or LMP immediately. SOLAS

ENSURE THE FOLLOWING:

- Free movement of all working components.
- 2. All working components are free from damage, including cracks and abrasion.
- All working components are present and correct.
- Polyethylene end caps are aligned to the rung.
- 5. Stainless Steel rods do not protrude.
- 6. Tubes are secured in the large links.
- Damaged or missing parts are immediately replaced by an Authorised Service Agent.

- 8. Unit is frequently flushed with fresh water.
- 9. The Lifting strop is present and that it is not worn or damaged.
- 10. The Hauling Lines are present and that they are not worn or damaged.
- 11. The end nuts are tight and damage free.
- 12. Check wear of carbine clips.

Internal Dimensions



FIXING SUGGESTIONS FOR JASON'S CRADLE®

Top of Deck or Bulwark

JASON'S CRADLE® GENERAL FIXING POINTS

The preferred fixing point for Jason's Cradle® is outboard of the vessel so that the cradle is able to hang down freely.

The Jason's Cradle® can then be used as a dual purpose Man Overboard Recovery System and Scramble Net / Ladder without exerting unnecessary forces on fixing points and clips.

It is paramount that the Eye Bolts or Eye pads are fixed secure and rigid so that no twisting can occur.

If you require further information regarding fixing positions for your Jason's Cradle®, then please do not hesitate to contact our Technical Department.

Email: technicalsupport@jasonscradle.co.uk



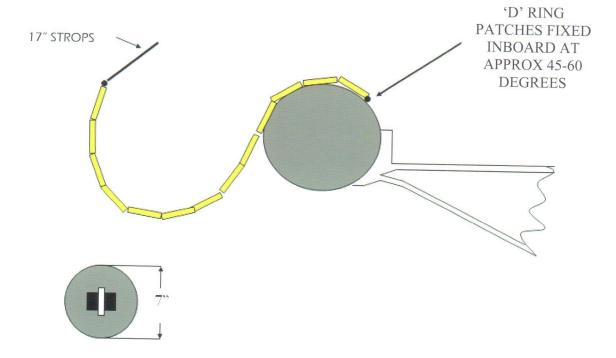
Diameter
20mm.

Supplied snap
shackle (Breaking
load 3200kg)

Top tube of Jason's
Cradle®,



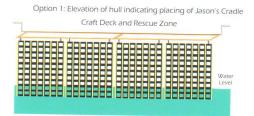








OPTIONS FOR STANDBY SHIPS & RESCUE ZONES



Option 1

5m rescue zones with 2 x 2.5m drop rails

Each drop rail is fitted with two rigid scramble nets. Each net must be 1240mm scramble nets. Each net must be 1240mm wide by the length of the freeboard plus one metre.

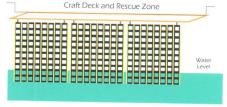


Option 2

5m rescue zones with 2 x 2.5m drop rails

Each drop rail is fitted with two rigid wide by the length of the freeboard plus one metre.





Option 3

5m rescue zones with 2 x 2.5m drop rails

Each drop rail is fitted with two rigid scramble nets. Each net must be 1240mm wide by the length of the freeboard plus one metre.





SOLAS APPROVED

The 'Jason's Cradle' is SOLAS approved as a multi function access, rescue and retrieval device according to its configuration, developed from standard components assembled to suit one or more modes of use which include:

- Casualty recovery in horizontal position from water to survival craft and to ship.
- Stretcher for use in horizontal position.
- Scramble net.

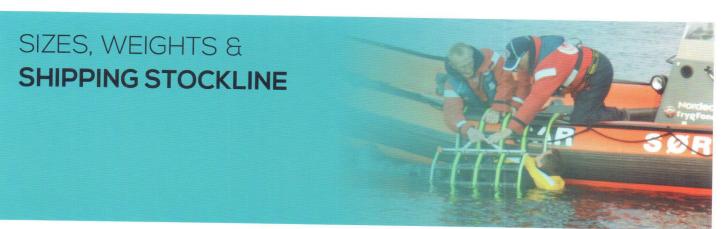
All users and vessel operators should please consider the following points in order to ensure the best possible performance from their Jason's Cradle.

- The equipment satisfies the objectives required by LSA code, Regulation I/1.2 in matter of strength and suitability for marine environment. However it is to be confirmed that the use of this Life-Saving Appliance is acceptable to the Flag Administration (of the vessel on which the Life-Saving Appliance is installed) on an installation by installation basis.
- 2. For each installation of the equipment the "Company" (Ship Owner/ Vessel Operator) should conduct and document a Risk Assessment that takes into account the anticipated conditions and ship specific characteristics and/or survival craft specific characteristics.
- 3. Ship's Plan and Procedures for recovery of person from water should take into account the equipment intended to be used and developed in accordance with MSC.1/Circ. 1447 and MSC.1/Circular 1182.
- 4. On board drills should be conducted to ensure that the crew are familiar with this equipment and Ship's recovery procedures.
- 5. Installation on board: The installation of the equipment is not part of this Design Appraisal or Certificate. All such arrangements are to be to the satisfaction of the vessel's Administration and/or RO acting on their behalf on an installation by installation basis.



42x42x80





						SHIPPING	
PRODUCT CODE	PRODUCT DESCRIPTION	WIDTH (MM)	LENGTH (MM)	CRADLE WEIGHT (KGS)	STOWAGE DIAMETER (CMS)	WEIGHT (KGS) INCLUDING PACKING	PACKAGE SIZE (CMS)
JASON'S CF	RADLE® - FRC KIT - STOC	KLINE					
1MC-JCFRC003	530mm wide for Craft length <5	530		11.8	35	16	42x42x80
IMC-JCFRC004	710mm wide for Craft length >5	710		16.6	36	21	42x42x80

JASON'S CRADLE® - STANDARD - STOCKLINE

1MC-JCSTD04A	710mm wide - Up to 1m Freeboard	710	2290	18.3	37	22	10, 10, 00
1MC-JCSTD04B	710mm wide - 1m to 1.5m Freeboard	710	2860	22.4	39		42x42x80
1MC-JCSTD04C	710mm wide - 1.5m to 2m Freeboard	710	3430	26.3		26	42x42x80
1MC-JCSTD04D	710mm wide - 2m to 2.5m Freeboard	710	4000		42	31	42x42x80
1MC-JCSTD04E	710mm wide - 2.5m to 3m Freeboard			31	43	36	42x42x80
IMC-JCSTD05A		710	4570	35.1	46	41	42x42x80
	880mm wide - Up to 1m Freeboard	880	2290	22.4	37	28	42x42x100
IMC-JCSTD05B	880mm wide - 1m to 1.5m Freeboard	880	2860	27.7	39	33	42x42x100
1MC-JCSTD05C	880mm wide - 1.5m to 2m Freeboard	880	3430	33.1	42	39	42x42x100
IMC-JCSTD05D	880mm wide - 2m to 2.5m	880	4000	38.4	43	44	42x42x100
1MC-JCSTD05E	880mm wide - 2.5m to 3m	880	4570	43.3	46	49	42x42x100
IMC-JCSTD06A	1050mm wide - Up to 1m Freeboard	1050	2290	26.7	37	32	
IMC-JCSTD06B	1050mm wide - 1m to 1.5m Freeboard	1050	2860	32.8	39		42x42x120
IMC-JCSTD06C	1050mm wide - 1.5m to 2m	1050	3430			38	42x42x120
IMC-JCSTD06D	1050mm wide - 2m to 2.5m			39	42	44	42x42x120
IMC-JCSTD06E	1050mm wide - 2.5m to 3m	1050	4000	45.3	43	51	42x42x120
zi ie ecorpool	100011111 wide - 2.5m to 3m	1050	4570	51.5	46	57	42x42x120

Standard stockline units are available up to 6,870mm in length or 5m freeboard.



CIRCUM-RESCUE COLLAPSE

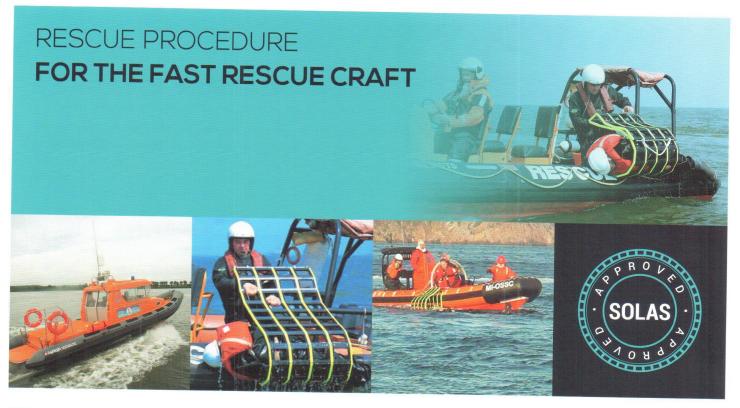
The following is an attempt to describe the set of circumstances, and the physiological changes that take place in the human body, both during the following immersion in water, that bring about Circum-Rescue Collapse.



- A body is immersed in water with the head above the surface.
- Blood in the vessels outside the chest is now surrounded by a medium of about the same density, causing it to become weightless.
- Hydrostatic pressure, greater in the lower parts of the body, reduces the volume of blood there, but does provide circulatory assistance to supplying the heart and brain with blood - rather similar to the benefits provided a fighter pilot by a 'G' suit.
- It is this redistribution of pressure over the surface of the body, on moving from air to water, that produces a number of physiological changes - the most significant of which is the redistribution of blood to the upper part of the body.
- This condition is exacerbated if the water is cold, since
 the cold-induced constriction of blood vessels at the lower
 extremities further increases the flow of blood to the
 central core of the body.
- THESE EFFECTS ARE GREATEST WHEN THE BODY FLOATS VERTICALLY AND LEAST WHEN IT FLOATS HORIZONTALLY.
- When the body is removed from the water in a typical rescue operation i.e., in a vertical attitude, the hydrostatic assistance to the circulatory function is lost at precisely the time the full effect of gravity is being re-imposed on the body.

- Furthermore, the body's blood volume may now be inadequate for the air environment in which it suddenly finds itself. This is because the blood volume decreases during cold exposure due to (Cold-induced diuresis, causing dehydration) this takes place over a period of time.
- Pooling of the blood in the lower abdomen takes place.
- A cold heart plus reduced blood volume and increased blood viscosity may mean the heart cannot correct the fall in blood pressure caused by removal from water.
- There is an inevitable time delay before the heart can make
 the necessary adjustments to the circulation during which
 the brain may be starved of blood. (In cases of fatalities
 the body never makes this adjustment). This can have
 catastrophic results, especially if the survivor is climbing a
 ladder or perhaps is alone in some form of winching strap.
 A blackout could cause the would-be survivor to fall
 back into the sea and drown.
- In the worst-case scenario, during this same time delay, the coronary arteries may also be deprived of blood. This could result in a heart attack, or even death.
- THE LONGER THE DURATION OF THE LIFT (GREATER THE HEIGHT ABOVE WATER THE SURVIVOR IS BEING LIFT VERTICALLY), THE GREATER THE THREAT OF THIS COMPLICATION.







Deployment of the cradle forms a non collapsible scoop.



Due to the scoop configuration the casualty can be floated into the cradle with minimum



A co-ordinated and methodical lift takes place and the casualty is retrieved in the medically preferred and recommended horizontal position..



The lift takes no longer than 5 seconds due to the cradles 2 to 1 mechanical advantage.



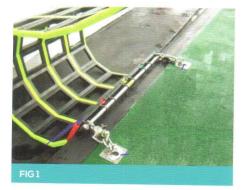
The casualty is then face up on the sponson and first aid can commence if necessary.





RESCUE PROCEDURE

Rig the Jason's Cradle – attach the cradle's swivel clips to vessel's fixing points.



LEFT HAND RED / RIGHT HAND GREEN

The unit must be deployed as per Fig 1 to create the Jason's Cradle "J" formation. The semi rigid cradle protects the casualty whilst they are lifted to safety.



Lower the Jason's Cradle into the water and manoeuvre the casualty into the unit with their shoulders at the edge of the apparatus.





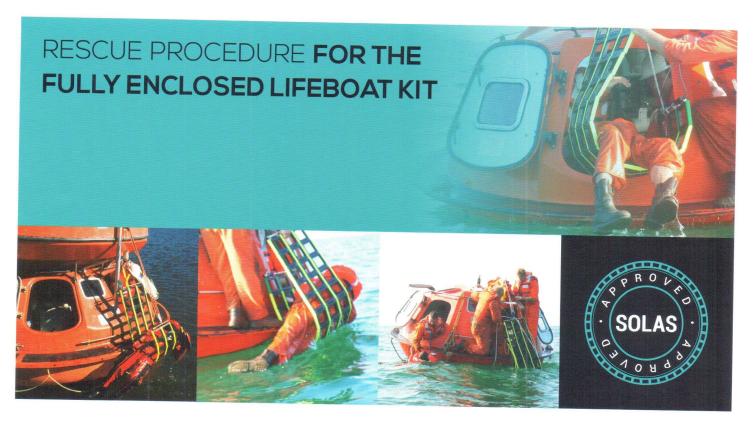




The unit can now be raised either manually or with a block and tackle. Raise the casualty steadily upwards until they reach the deck or bulwark level.

Now that the casualty is out of danger they can be taken to a position of safety where first aid can be administered.





STEP 1

Approach the casualty upwind to form a lee. The final approach should be at slow speed. Lower the cradle into the water to allow the casualty to be floated into the scoop. The rescuers should be connected to the lifeboat with a life line and try to maintain a stable posture.

STEP 2

Once the cradle is central to the casualty's upper torso the lift may commence using the block and tackle. It is important not to jerk the casualty, so try to use a controlled pulling motion. The second rescuer can now assist with the lift.

STEP 3

Continue raising the cradle until it reaches the top of the post. Now the casualty is ready to be slewed into the doorway.

STEP 4

Push the cradle so that it pivots on its single fixing point, forming a chute for the casualty to be manoeuvred through the door. Once the casualty is inside and comfortable this procedure can be repeated.

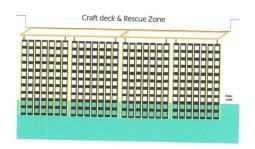


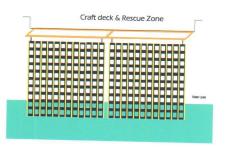
SCRAMBLE NET SIZES & CONFIGURATIONS Our bespoke service offers the flexibility to meet all of your requirements by tailoring the Jason's Cradle® system to suit any vessel. Scramble Nets are also available in a wide range of standard stock sizes.

This artist's impression of the Bourbon Evolution 800 series IMR vessel shows how four 2.1 metre wide Jason's Cradle Scramble Nets are used side by side to achieve a large Rescue Zone.

These Guido Perla designed Bourbon MPSV's are the latest of the new fleet of high specification Bourbon vessels to be fitted with the Jason's Cradle Scramble Net as standard equipment.







Jason's Cradle®

Commercial & Military

Guarantee Period 3 Years

The guarantee period starts from the date of the original purchase and the manufacturer will provide parts & labour required to repair the cradle should a fault occur as a result of a manufacturing defect.

This guarantee specifically excludes faults or damage occurring as a result of accidental or intentional misuse, fair wear and tear or failure to operate or maintain the cradle in accordance with the manufacturers instructions. Work carried out as a result of these action will be charged at the manufacturer's or approved service agent's rates prevailing at the time of repair.

This guarantee does not cover any damage caused during transit, purchaser's failure to replace any damaged parts and any additional items fitted to the Jason's Cradle®.

This guarantee does not affect your statutory rights.

DISCLAIMER NOTICE

To all owner/operators of the Jason's Cradle® marine safety equipment

Jason's Cradle® is fully SOLAS approved and guaranteed against manufacturing defect for three years, excluding clips, strops, hauling lines, stowage bags and other additional fittings that carry the usual 1 year manufacturer's warranty. Once the product is older than 3 years, it is important that it is serviced annually by Land and Marine's authorised service centres in order to maintain its high quality standards. If it is serviced, modified or altered in any way by the owner/operator or another non-approved body, Land and Marine disclaim all and any liability for any failure of the product to operate correctly or other problems or defects with the product except for liability which cannot be excluded by law.



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www.jasonscradle.co.uk

Manufactured by: Land & Marine Products Ltd

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JCCMG.004