

# CREWFIT 180 PRO

## Owners Manual

**IMPORTANT:** PLEASE READ THIS MANUAL  
BEFORE USING YOUR CREWFIT LIFEJACKET



BS EN ISO 12402-3:  
2006+A1:2010



Crewsaver

## 150N LIFEJACKETS

This level 150N lifejacket will give a reasonable assurance of safety from drowning to a person who, for whatever reason, is no longer capable of helping themselves fully. This level is intended for general application or for use with foul weather clothing. It will turn an unconscious person into a safe position and requires no subsequent action by the user to maintain this position. This jacket is suitable for offshore use.

## IMPORTANT INFORMATION

- Train yourself in the use of this device



# CREWFIT 180 PRO

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## CREWFIT 180<sup>PRO</sup>

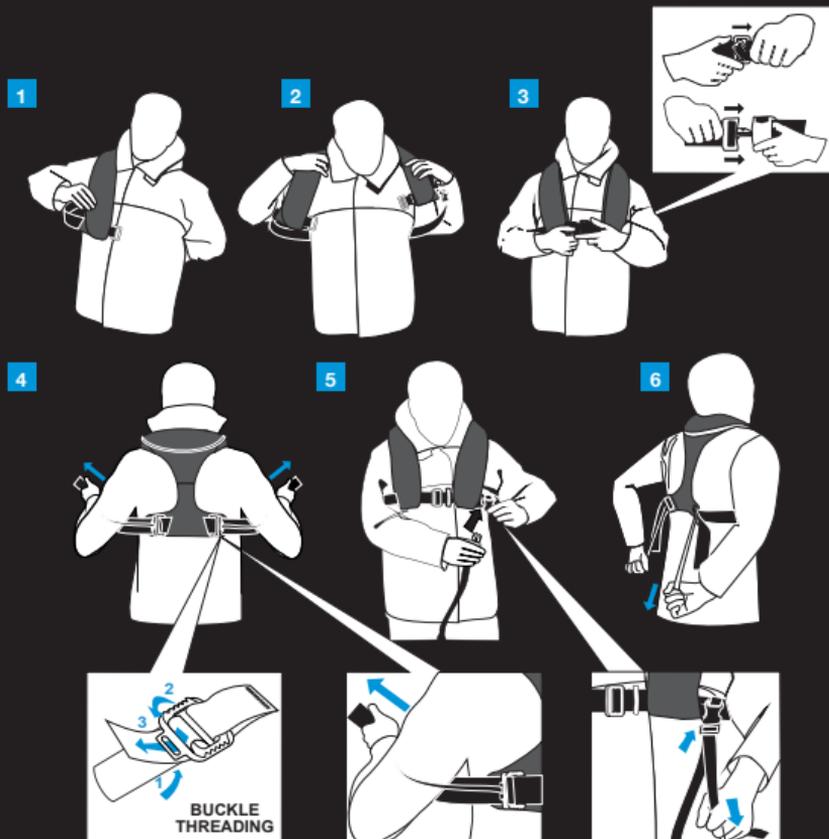
- ISO12402-3 approved
- High performance 180N Inflation chamber
- Exceptional turning speeds
- Durable Indicator window
- Hard wearing outer cover
- Soft loop deck safety harness on harness version
- ISO 12401:2009 on harness version only
- Twin burst cover zip
- Rapid adjusting buckles for perfect fit
- AIS S20 compatible
- Single lifting becket
- Single crotch strap\*
- Whistle
- Optional SOLAS approved light and spray hood



# CREWFIT 180<sup>PRO</sup>

## DONNING THE CREWFIT 180N PRO LIFEJACKET

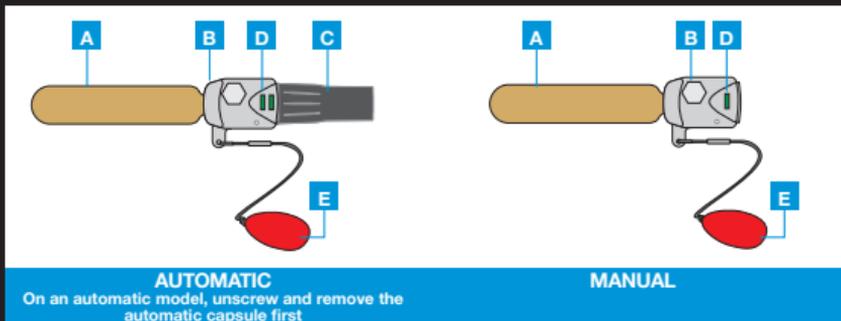
- 1 & 2 Don like a normal jacket
- 3 Fasten front buckle
- 4 Adjust waist belt by pulling webbing forward for a close secure fit
- 5 Fasten crotch strap\* buckle and adjust straps by pulling webbing downwards for a close secure fit
- 6 To release straps, pull the release tabs attached to the adjustment buckles



## KNOW YOUR INFLATION MECHANISM TYPE

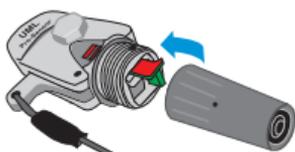
### PRO-SENSOR MK3: AUTOMATIC OR MANUAL

- 1 (AUTOMATIC ONLY) Check that the automatic firing capsule (C) is screwed fully onto the operating mechanism (B). Ensure that the capsule (C) has not been fired inadvertently by checking that the bottom indicator shows green (D). Also check the expiry date on the side of the capsule. Do not use a capsule that is out of date.
- 2 Check the CO<sub>2</sub> cylinder (A) is securely screwed into the operating mechanism. Check that the top indicator (D) shows green.
- 3 Ensure toggle (E) is easily accessible.



## RE-ARMING PRO-SENSOR OPERATING MECHANISMS

Always re-arm your lifejacket ready for use before you stow it away. The operating mechanism must be thoroughly dried before re-arming. When re-arming your lifejacket it is important you use only Crewsaver supplied components. For your nearest supplier contact Crewsaver or see [www.crewsaver.com](http://www.crewsaver.com)



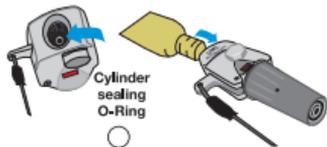
### AUTOMATIC

On an automatic model, unscrew and remove the automatic capsule first

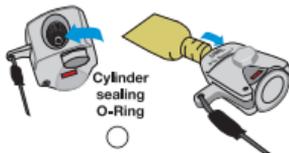


### MANUAL

**AUTOMATIC ONLY** Take the new automatic firing capsule and screw onto the operating mechanism in a clockwise direction. Screw tightly ensuring there is no gap between the capsule and the base of the operating mechanism. Do up hand tight. The bottom indicator will turn green when the capsule is tightened correctly.

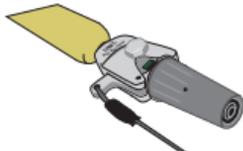


### AUTOMATIC

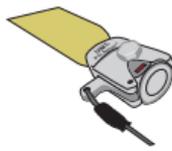


### MANUAL

Check that the cylinder-sealing gasket in the end of the operating mechanism has been correctly fitted, or replaced if necessary. Check the new CO<sub>2</sub> cylinder has not been used and screw into the main body in a clockwise direction. Ensure the cylinder is screwed right down and do up hand tight. The top indicator will turn green when the cylinder is tightened correctly.



### AUTOMATIC



### MANUAL

The operating mechanism is now rearmed. Both Indicators should show green. Do not use if either indicator is red.



**WARNING:** If you are unsure or have any doubt how to re-arm and repack your lifejacket return the product to Crewsaver or your nearest Crewsaver service agent.



See [www.uml.co.uk](http://www.uml.co.uk) for more details on the UML Pro-Sensor Mk3 mechanism.

## OPENING THE LIFEJACKET COVER

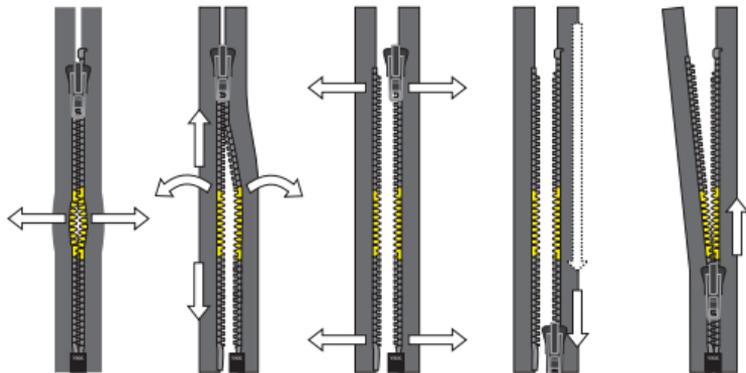


- 1 Open the velcro tab.
- 2 To avoid damaging your lifejacket zip, pull apart the zip, open the zip via the quick burst elements, holding the cover either side.
- 3 Once the zip has opened, insert your finger and slide it around the lifejacket. Undo the zip all the way around the outside of the lifejacket. The lifejacket cover should now be open and the inflation chamber visible. Fully separate the zip. Both sides of the zip should be apart, with the zip slider free to move back around the lifejacket to the start.

## PREPARING ZIP FOR RE-PACKING

- 1 Ensure that the zip slider is separated on one side.
- 2 Slide the zip around to the right side of the jacket as worn.
- 3 Feed the zip teeth into the slider ready to re-pack.

### To Open



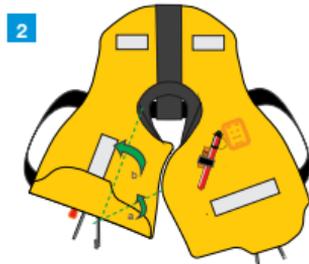
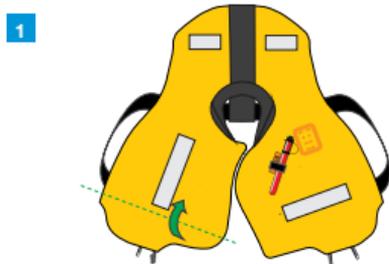
### To Close

## REPACKING THE CREWFIT 180N PRO LIFEJACKET

Ensure that your lifejacket is completely dry before packing.

(Refer to page 12 - Care and Maintenance for details on storing and cleaning your lifejacket)

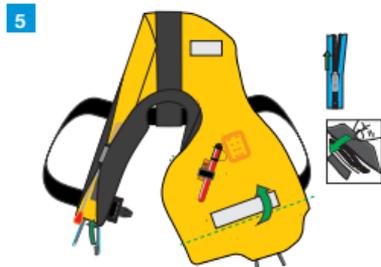
- 1 Start with folding the bottom left of the chamber up.
- 2 Fold bottom right corner in then fold the whole of the right side over.



- 3 Fold left side over twice. The operating head should lie on top.
- 4 Bring the two sides of the cover together and secure with the velcro tab.



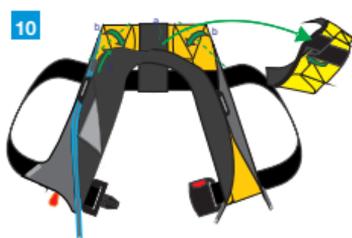
- 5 Zip up the left hand side to secure folds. Now fold the bottom right of the chamber up.
- 6 Fold bottom left corner in then fold the whole of the left side over. Check window panel is showing firing mechanism.



- 7 Fold over the right side and fold again so that the chamber is tucked neatly within the cover.
- 8 Bring the two sides of the cover together and secure with the velcro tab.



- 9 Concertina the chamber collar with two folds underneath the black fabric neck retainer.
- 10 Fold in the last corners of the chamber and tuck in the black fabric neck retainer. Bring the zip round ensuring the velcro tabs are secure.



- 11 Finally tuck zips out of the way into the cover.
- 12 Ensure toggle is accessible and lifejacket is neat with the firing mechanism still clear in the window.



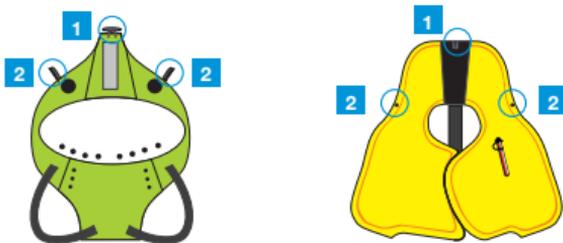
## REPACKING YOUR CREWFIT 180N PRO LIFEJACKET WITH HOOD (SOLD SEPERATELY)

After these three steps please refer to the start of repacking the Crewfit 180N Pro lifejacket and follow steps 1-12 (Page 9)



## ATTACHING YOUR SPRAY HOOD TO YOUR CREWFIT

- 1 Locate the toggle at the top of the hood and put through the fabric loop at the top of the bladder.
- 2 Locate the velcro tabs on the side of the hood and secure through the holes in the inflation bladder.
- 3 Your hood is now fitted securely to your lifejacket and ready for use.



## USING SPRAY HOODS WITH YOUR CREWFIT LIFEJACKET

Familiarise yourself with how the spray hood works if needed in an emergency.

- 1 Hood webbing is located at shoulder height on Inflation chamber.
- 2 Pull webbing up and overhead.
- 3 Secure webbing over the front lobes of the inflation chamber



## CARE & MAINTENANCE OF YOUR LIFEJACKET

Your lifejacket is an important item of technical safety equipment. The working life of the lifejacket will be prolonged if the following instructions are adhered to:

- Check that both status indicators are displaying green
- Check the expiry date, if any items have expired they **MUST** be replaced before use
- (Refer to page 7 – Re-arming your lifejacket) for details on how to fit a new capsule
- Ensure a fully charged cylinder is tightly fitted
- Ensure that the manual pull toggle is accessible

### IF A RED INDICATOR SHOWS, CHECK THE FOLLOWING ITEMS:

- Ensure a fully charged cylinder is tightly fitted.
- Ensure an automatic capsule is tightly fitted (on Pro-Sensor Automatic)
- Check that the expiry date has not passed and check that there is a plate in the base of the capsule. If there is no plate and a red dot is visible the capsule has been fired and must not be used. See re-arming your lifejacket for how to fit a new capsule onto your operating mechanism.
- Ensure that the manual pull toggle is accessible.

### AFTER USE (if Inflated)

- Rinse your lifejacket after use. (Refer to page 13 - Cleaning & Storing Your Lifejacket)
- Re-arming your lifejacket. (Refer to page 7 - Re-arming pro-sensor operating mechanisms)

### PERIODICAL CHECKS

- A complete inspection of your lifejacket is to be carried out every three months.
- Check the fabric for cuts, tears, abrasion and signs of damage caused by heat.
- Leak testing is an important part of the periodical checks. Inflate your lifejacket orally until firm. Leave overnight or for a minimum of 12 hours. A lifejacket that is leaking will not hold its firmness and must be replaced. (Refer to page 9 - Repacking the Crewfit 180N Pro)

**NOTE:** Avoid wide variations in temperature when performing this test. Temperature variation can cause the inflatable chamber to lose firmness.

Examine the lifejacket for signs of damage, wear and tear or contamination. Pay particular attention to the webbings and the stitching on your lifejacket.

### Perform the oral inflation valve test as follows:

- 1 Fully inflate the lifejacket
- 2 Place the oral tube into water and check for bubbles
- 3 If bubbles appear a replacement valve is required.

Check the expiry date on the automatic firing capsule. If it has expired it should be replaced.



12.00



00.00



**WARNING:** If you are not confident in self-inspection of your lifejacket using these instructions, refer to your closest Crewsaver approved service station for details. Crewsaver approved service stations can be found via our website: [www.crewsaver.com](http://www.crewsaver.com)



## CLEANING & STORING YOUR LIFEJACKET

It is important that the lifejacket is stored in a dry, well-ventilated space. If the lifejacket is wet or damp, and it is fitted with an automatic firing capsule, it is advisable to remove the capsule until the lifejacket is completely dry. Any dampness in the lifejacket may penetrate the capsule and eventually cause it to operate the lifejacket. It is advisable to hang the lifejacket to dry on a coat hanger until it is completely dry before stowing. To avoid inflation, do not submerge the lifejacket in water unless the lifejacket has been used or the capsule has been removed.

Periodically rinse the lifejacket in fresh water, particularly if it has been in contact with salt water. Oil and similar marks should be removed by washing with warm soapy water.

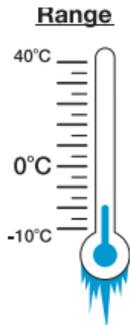
Never put your lifejacket in a washing machine, spin or tumble dryer.

After washing always allow your lifejacket to dry naturally before stowing in a dry place.

## OTHER IMPORTANT INFORMATION

Your new Crewfit has been tested to meet a temperature range between  $-10^{\circ}\text{C}$  and  $40^{\circ}\text{C}$  as required by BS EN ISO 12402.

- When the temperature is well below freezing, your lifejacket may operate much slower than normal and at very low temperatures a fully discharged cylinder may not adequately inflate your lifejacket. In these temperatures the oral tube should be used for additional topping up if necessary.
- This lifejacket is not a PFD until fully inflated. Full performance may not be achieved using certain clothing or other circumstances. Certain circumstances will alter performance, such as waves or the wearing of garments which provide additional buoyancy. The buoyancy provided by the jacket can be affected if heavy objects are carried in the pockets.
- A whistle is located on the inside left inflation chamber. Six long blasts repeated at intervals is the international distress signal.



**WARNING:** Inflating your lifejacket using  $\text{CO}_2$  inflation could over pressurise and damage your lifejacket if it has already been orally inflated fully. Do not use as a cushion or in any other way likely to cause damage.



**WARNING:** This lifejacket is inflated by a  $\text{CO}_2$  gas cylinder. Gas cylinders are dangerous goods, and they must be kept away from children and not misused.



FOR USE WITH CREWFIT  
180N PRO LIFEJACKETS

## TESTING YOUR LIFEJACKET

Practice and training are required before use.

In an emergency, there is no time to learn how equipment works. Crewsaver recommend that you try your lifejacket to ascertain its performance before use in an emergency. This will also help familiarise yourself with the product.

When trying out your lifejacket, remember that you may need replacement parts or re-arming kits to get your lifejacket ready for use again.

If you are a weak swimmer it is strongly recommended that you use an automatically operated lifejacket or an inherently buoyant device.

**Step 1:** Put on your lifejacket by following the donning Instructions. (Refer to page 5 - Donning the Crewfit 180N Pro)

**Step 2:** Stand in shallow water or in a swimming pool, ensuring that the water is just deep enough for your head to be above the water's surface.

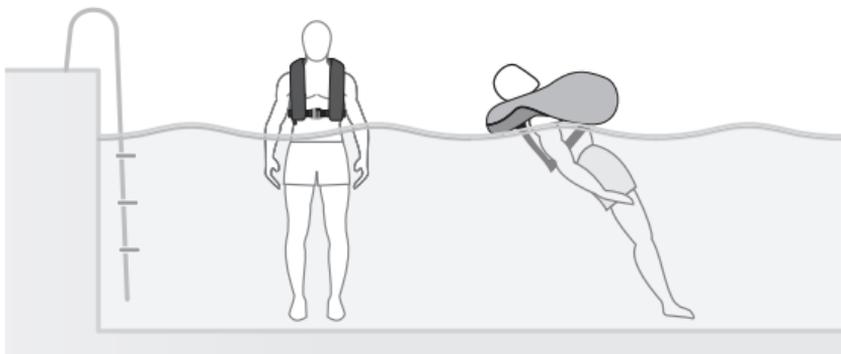
**Step 3:** Inflate your lifejacket. This can be done the following ways:

**Automatically:** If your lifejacket is an automatic it should fully inflate within five seconds of water contacting the automatic firing capsule. This activates the operating mechanism and releases the CO<sub>2</sub> cylinder into the lifejacket.

**Manually:** The lifejacket can be activated manually by a sharp downward pull on the toggle. The lifejacket should fully inflate within 5 seconds.

**Oral Inflation:** If you are using a pro-sensor automatic lifejacket ensure that the automatic firing capsule has been removed before entering the water. Open the lifejacket cover and locate the oral inflation tube, remove the cap and blow into the tube.

Once inflated see how the lifejacket holds you in the water, noting the position that it holds you in with your mouth well clear of the water's surface and your body at an angle.



**WARNING:** Re-arm and re-pack your lifejacket following testing



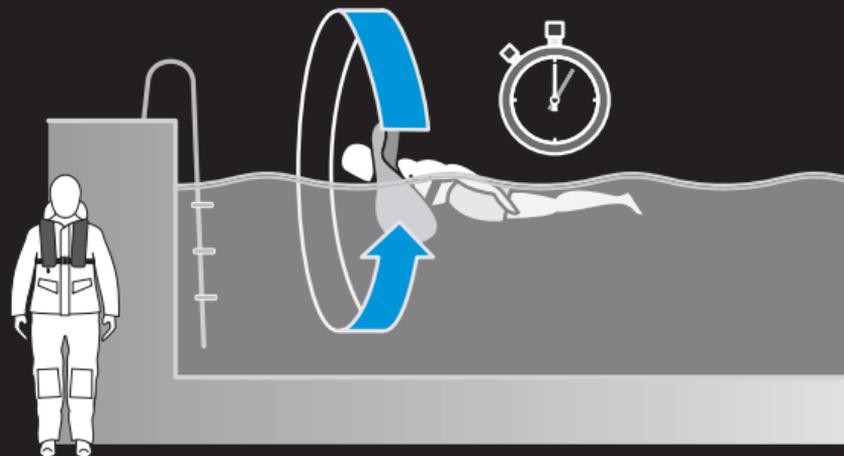
While in the water it is also recommended that you try out your lifejacket's spray hood.

- 1 Reach above your head and locate the grab loops on the spray hood. (Refer to page 11 - Spray hoods)



Your lifejacket should be tested whilst wearing any offshore clothing. Check that the lifejacket will turn you from a face down position to a face up position.

**NOTE:** Some offshore clothing in particular drysuits and immersion suits can trap air - this may affect the performance of the lifejacket.



After testing your lifejacket completely deflate the lifejacket using the oral inflation tube. Let the lifejacket dry thoroughly. Do not expose to direct sunlight or heat. Re-arm your lifejacket following the relevant re-arm & re-pack instructions. (Refer to page 7 for rearming and page 9 for repacking instructions)

## USING INFLATION TUBE ON INFLATABLE LIFEJACKETS

If required all inflatable lifejackets can be inflated orally without firing the CO<sub>2</sub> cylinder.

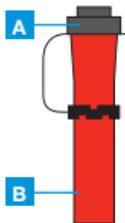


**WARNING:** Inflating your lifejacket using CO<sub>2</sub> inflation could over pressurize and damage your lifejacket if it has already been orally inflated fully.



### INFLATING YOUR LIFEJACKET

- 1 Remove the valve cap (a) at the top of the inflation tube (b).
- 2 Blow into the inflation tube. The protective cover on the lifejacket will unfold as the inflation chamber takes shape. To make this easier open up the cover by hand and continue to blow into the tube until it is difficult to inflate further.
- 3 Ensure once inflated that you replace the valve cap (a). It is important to keep this in place, except when the deflation valve is being used.



### DEFLATING YOUR LIFEJACKET AFTER USE

- 1 Reverse the valve cap (a) at the top of the inflation tube and hold it in the valve.



**WARNING:** Do NOT use anything other than the valve cap to deflate your lifejacket. Any other item used may cause damage to the valve.



- 2 Squeeze the lifejacket to expel the air inside.



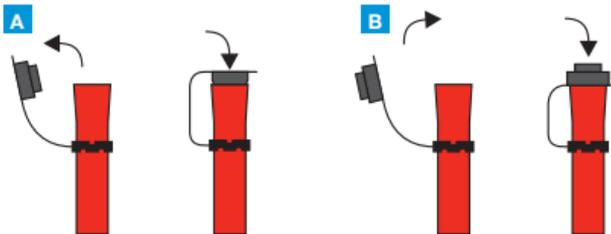
**WARNING:** If the lifejacket has been inflated using a gas cylinder take care not to inhale the expelled CO<sub>2</sub> gas.



- 3 When as much gas as possible has been expelled, re-inflate the lifejacket orally. This will reduce the concentration of any remaining CO<sub>2</sub>.
- 4 Squeeze the lifejacket a second time expelling as much air as possible.
- 5 The lifejacket should now be completely deflated, and can be folded into the cover as before.
- 6 Replace the valve cap (b) back into the normal position on top of the Inflation tube.



**WARNING:** Over inflation can damage your lifejacket.



## USING SAFETY LINES WITH A HARNESS LIFEJACKET

The Crewfit range of lifejackets can be used with all approved safety lines, on lifejackets with a harness.

Available within the Crewsaver range and suitable for use on the Crewfit 180N Pro are both 2 hook and 3 hook safety lines.

A 2 Hook Safety Line should be used when connected to a strong point on the boat; this will help to ensure you are attached securely in adverse conditions.

The 3 Hook Safety Line enables the transfer from one secure point on the boat to another, ensuring you remain safely attached at all times during the transfer.

**CE** ISO 12401  
Deck safety Harness Class 1 0514



**WARNING:** The deck safety harness and safety line are intended to prevent the user falling overboard. They do not provide protection against falls from a height.



The deck safety harness and safety line may transmit very large forces. Only attach to strong hooking points or jack lines. Minimum strength of 1 tonne.

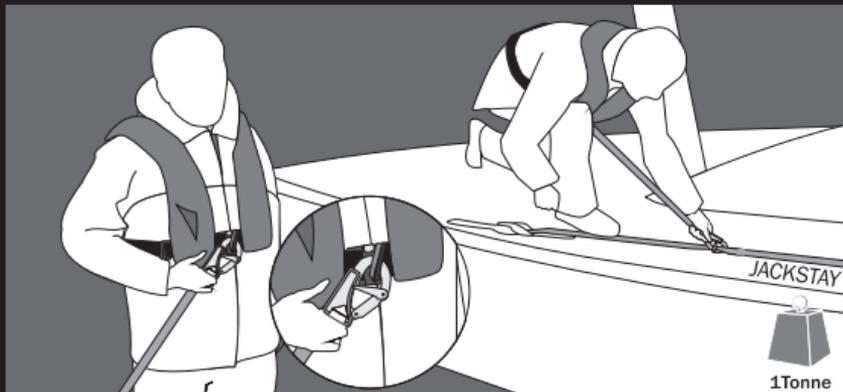
It is unsafe to wear this harness loose. The harness shall be worn tightly in order to be effective.



If your harness and/or safety line are subjected to an exceptional load while worn, it is vital that these are returned to Crewsaver for inspection, even if no external damage is visible.



Non harness version can be worn over a separate harness.



**CORRECT USE OF LIFTING BECKETS**

- 1 Lifting becket is located below the left lobe of the inflation chamber on harness version lifejackets and on the right lobe of non-harness versions.
- 2 Use lifting becket to haul casualties from the water.



## YOUR 3 YEAR GUARANTEE

Crewsaver has over 50 years' experience in manufacturing safety equipment and our total commitment to quality enables us to offer you a **FULL 3 YEAR GUARANTEE** on your lifejacket.

This 3 year guarantee includes all parts and labour to repair defective equipment and the return postage.

The guarantee covers all Crewsaver lifejackets and combined lifejackets/harnesses worn for normal leisure purposes. This excludes commercial and industrial use and other applications where equipment is either worn for prolonged periods or in severe conditions.

The guarantee does not cover the effects of accidental damage, normal wear and tear, or mistreatment, or where repairs have been carried out other than by a Crewsaver approved serviced centre.

The guarantee covers all lifejackets registered via the Crewsaver website, any products returned that are not registered with Crewsaver will not be considered for warranty.

Remember your lifejacket is an important piece of safety equipment and should be serviced annually. Servicing should be completed with genuine Crewsaver parts at a Crewsaver approved service station. Crewsaver will not accept any lifejackets for warranty that have not been serviced annually at a Crewsaver approved service station.

Please copy the **Product Serial Number** and **Date Purchased** below for your own reference:

SERIAL NO:

DATE PURCHASED:

For more information or to register your product please visit our website [www.crewsaver.com](http://www.crewsaver.com)

## SERVICE ANNUALLY

Your lifejacket must be serviced on an annual basis.

Never try to repair a lifejacket yourself. You could cause more damage and render the lifejacket irreparable or affect the warranty.

Always return the lifejacket to a Crewsaver approved service station for repairs and servicing.

To find your nearest Crewsaver approved service station visit: [crewsaver.com/findastockist](http://crewsaver.com/findastockist)



SIZE

TAILLE

GRÖSSE

MAAT

STØRRELSE

KOKO

STØRRELSE

STORLEK

TAGLIA

TAMANHO



CHEST

TOUR DE POITRINE

BRUSTUMPFANG

BORSTOMVANG

BRYSTVIDDE

RINTAKEHÄN  
YMPÄRYSMITTA

BRYSTSTØRRELSE

BRÖSTVIDD

MISURE DI PETTO

TAMANHO DO  
PEITO



WEIGHT

POIDS

GEWICHT

GEWICHT

VEKT

PAINO

VÆGT

VIKT

PESO

PESO



BUOYANCY

FLOTTABILITE

AUFTRIEB

DRIJFVERMOGEN

OPPDRIFT

KANTAVUUS

OPDRIFT

LYFTKRAFT

SPINTA  
GALLEGGIANTE

FLUTUAÇÃO

ART0196i2

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