



Donut Safety Systems Ltd



The leading manufacturer and supplier of Personal Controlled Descent Devices for the offshore industry.

A UK based company with an international network of approved distributors covering the world.

Safety
Integrity
Innovation





Donut Personal Control Descent Device

The patented Donut Personal Control Descent Device is the offshore industry standard, and was designed and developed after the Piper Alpha tragedy with the cooperation of the UK regulatory authorities and the North Sea operators.

Donut is a simple, lightweight device designed as a tertiary means of escape from an offshore platform. It enables personnel to escape by means of Individual Controlled Descent once the device has been attached to a handrail or other load bearing structure. It is easy to use and requires little physical effort.

Supplied in a vacuum sealed bag the Donut features:

<i>Containment Bag</i>	<i>Lightweight and portable.</i>
<i>Vacuum Seal</i>	<i>Ensures the integrity of the unit.</i>
<i>Double Action Fixing Hook</i>	<i>Double action hook alleviates the risk of accidental re-opening. One hand operation enables the user to connect to a fixing point even if one arm or hand is injured.</i> <i>Made from high grade marine stainless steel.</i>
<i>High Strength/High Visibility Tape</i>	<i>Reduces the volume and weight of the containment bag.</i> <i>High tensile strength, (tested to 10 times average body weight).</i> <i>Prevents the problem of spinning during descent (a problem when a rope is used).</i>
<i>Harness</i>	<i>Triangular design prevents the risk of falling through the harness.</i>
<i>Descender Handle</i>	<i>Friction device with no moving parts, obviating mechanical failure associated with other devices.</i>
<i>Quick Release</i>	<i>Safe, one handed action for immediate release when required. Made from highgrade marine stainless steel.</i>

Donut – guided escape to a Liferaft

The Donut has been designed to assist an evacuation to a liferaft by incorporating a strop, which is attached to the liferaft painter line. The painter line acts as a guide, during descent, for entry into the liferaft.

The evacuee remains safely attached via the Donut harness to the painter line throughout this operation alleviating the risk of being washed away when entering the water.

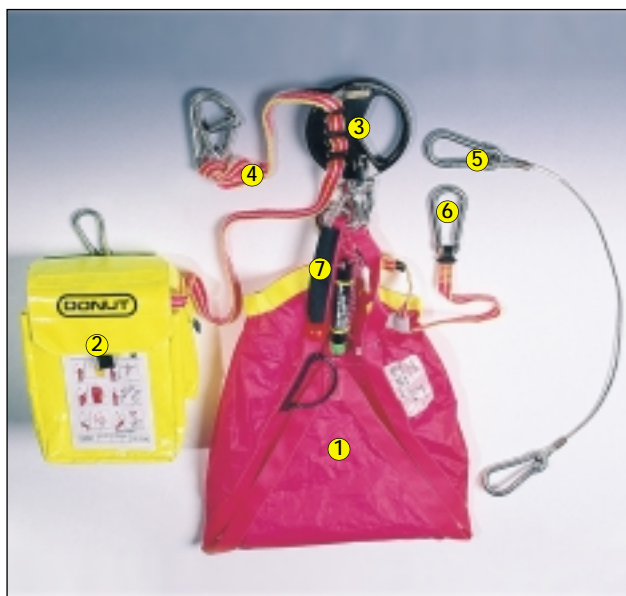


Donut – escape from Drill Derricks and Cranes

Donut provides a means of evacuation from areas of entrapment such as cranes and derricks. The unit can be stored in these areas for use in an emergency situation or hand carried to the workplace as required.

Donut – Injured Party Rescue

The Donut can be simply adapted to enable the evacuation of an injured person either seated in the harness or fixed to a stretcher. The injured person can then be lowered in a controlled manner.



- ① Harness
- ② Containment Bag
- ③ Descender Unit
- ④ High Strength Tape
- ⑤ Wire Strop
- ⑥ Liferaft Strop
- ⑦ Quick Release Mechanism

Conventional methods of Secondary/Tertiary Evacuation:

- Scramble nets are awkward and difficult to use and require periodic inspection.
- Knotted ropes are both physically and mentally very demanding to use, especially if the evacuee is wearing a survival suit or life jacket.
- Chutes are a fixed entity, which may be rendered inoperative if the cause of the emergency is in the area where the chute is situated.

Advantages of Donut over conventional methods of evacuation:

- Donut is both lightweight and portable. It can be deployed from any safe area on the platform or FPSO.
- It can be used with any other type of survival equipment found onboard the platform.
- Users do not have to wait their turn to use the equipment.
- It can be used during an escape to a liferaft, where a strop is attached to the liferafts painter line allowing a guided descent to the liferaft, preventing the risk of being washed away.
- The user can lock off the Donut device above the water, remaining visible and more importantly dry.
- The Donut is fitted with a non-spark chemical lightstick allowing the user to illuminate their descent or attract attention.

- The Donut can also be used to lower injured parties to a safe area using the units own harness or a stretcher.
- Donut units can be deployed around the platform including the drill derrick and the crane.
- The Donut device, within an Approved Recertification Scheme, needs to be inspected only once in a five year period.
- In order to maintain safety requirements during recertification, hire units are available at cost effective rates.
- Donut is backed by an international network of support services, including certified personnel and product training.
- Donut has proven reliability in the offshore environment. Units have been deployed in the field for over 22 years from the extreme heat conditions of the Middle East, Far East and Australia to the extreme cold of Canada and Russia.

Accreditations

The Donut has international regulatory approval, including:

- European CE Mark
- UK Department of Transport
- Bahamas Maritime Authority
- US Coast Guard
- Norwegian Petroleum Directorate

Donut is the **only** Personal Controlled Descent Device with such a comprehensive list of International Approvals.





Donut:

- Is safe and easy to use.
- Is lightweight and easily transported.
- Can be deployed from anywhere on a platform or FPSO.
- Is in use worldwide.
- Is the industry standard for personal escape.

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