

JOK Diver Recovery Harness MK II

CE-marked commercial diving recovery harness

Order Code: HA014

The JOK Diver Recovery Harness MK II has been developed through rigorous testing and extensive diver feedback to provide a reliable and safe solution for diver recovery operations.

The design clearly differentiates between certified lifting points and lightweight attachment points through the use of specially profiled 'D' rings, ensuring correct use even in low visibility or high-stress conditions.

Key Features

- CE-marked recovery harness for commercial diving
- Certified lifting points with distinct profile-cut 'D' rings
- Adjustable, load-tested umbilical connection point
- Improved strap routing for enhanced load distribution
- Chest strap to prevent shoulder strap slippage
- Pin-style waist buckle for improved adjustment and security
- Enhanced ergonomics for comfort in operational environments



Design & Development

The MK II harness builds on earlier designs through a structured development and testing process. Changes to webbing routing and load paths were implemented following testing, where earlier configurations proved insufficient under load.

The harness has been designed to address real-world issues identified by divers, including strap slippage, poor ergonomics, and compatibility with existing equipment.



Applications: Commercial diving, Search and rescue

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Safety & Testing

- Load tested to 9000 N with no failure of stitching or webbing
- Developed in line with BS EN 15333:2008
- Designed with a 6:1 safety factor based on a fully equipped diver
- Dynamic loading considered for recovery in swell or wave conditions

The use of profile-cut 'D' rings removes ambiguity associated with traditional welded rings, which are not always certified for lifting due to uncertainty in weld integrity.

Industry Input & Validation

The harness design was informed by industry research, including a study conducted by Subsea7's Group HSE Director, which identified common issues in diver recovery equipment such as:

- Misuse of non-certified attachment points
- Lack of recognised testing standards
- Inadequate inspection procedures
- Unauthorised modification of harnesses
- Poor fit and ergonomics

Input from experienced divers across multiple organisations contributed to improvements in usability, comfort, and safety.

Maintenance & Inspection

It is recommended that the harness is included within a Planned Maintenance System (PMS). The harness should be inspected every 6 months by a competent person for signs of abrasion, stitching failure, or damage to components. Reference should be made to IMCA guidance, including DESIGN D018, to ensure continued suitability for use.



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