



6 FORCE

IMPORTANT INFORMATION – PLEASE READ AND SAVE

HARS 2.0

HELICOPTER AQUATIC RESCUE SPECIALIST HARNESS

USER MANUAL



The Helicopter Aquatic Rescue Specialist 2 Harness (HARS 2.0) is a full body water rescue harness with integrated personal flotation. This second generation HARS features design enhancements gained through over a decade of public safety use. The HARS 2.0 features molle compatible panels, stainless steel D-rings, and aluminum side-release buckles for improved durability and function.

Application

The HARS 2.0 is intended to be used in water rescue and helicopter hoist operations by trained professionals. The HARS 2.0 can be used in the following environments:

- Swiftwater (aerated moving water)
- Open water (flood water)
- Ocean / Surf

Flotation

The integrated flotation assembly provides 20lbs (9kg) of flotation. The HARS 2.0 can function as a full body harness independent of the flotation provision. The removable sealed foam assemblies allow for cleaning and serviceability.

Sizing Chart

Universal / One Size Fits All:

Chest Range - 30" - 54" (76cm - 137cm)

Donning Instructions

The HARS 2.0 is designed to fit a wide range of sizes. The upper portion can be donned via side entry or by pulling the vest portion over the shoulders. Position the waist belt near the top of hips and adjust other straps accordingly. Fasten the leg loops and make sure that all the side straps are fastened. All points of adjustment should be made so that the assembly provides for a snug fit. The tail end of adjustment straps should be properly secured. For optimal function, it is important that all adjustments be made prior to use.



Attachment Points and Compatibility

The HARS 2.0 features a multitude of attachment points allowing the user to complete various task. These include:

- The waist attachment element (A) can be utilized for positioning (rappel) or for securing travel restraint lanyards.
- The sternal (delta link) attachment element (B) suspends the wearer in an upright positioning and is well suited for helicopter operations. Make sure that both sternal lifting loops are secured to the delta link prior to lifting. The loops can be stowed in the zippered pocket when not in use.
- The shoulder connection elements (C) should only be used in pairs and are intended for victim retrieval via the use of a capture strap (CMC Derby Strap).
- The dorsal connection element (D) suspends the wearer in a forward leaning positioning and can be used for helicopter operations when warranted. The D-ring can be tucked under the outer panel when not in use.
- The rear attachment element (E) is intended for fall restraint applications. Suspension via the rear attachment element should be avoided.

To prevent roll out, only use auto-locking connectors. Verify that the connecting hardware is compatible with the D-rings and is not susceptible to hanging-up or binding. See Federal Aviation Administration (FAA) bulletin on dynamic rollout (https://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo/all_safos/media/2016/SAFO16015.pdf)

Accessories

The HARS 2.0 is approved for use with the following accessories:

- CMC Derby Strap (CMC or Force 6 part #)
- Additional flotation (reference or part #)
- Hydration bladder (reference or part #)
- Ballistic Protection System (reference or part #)
- Extrication leash (reference or part #)
- Dorsal pocket (reference or part #)

Contact Force 6 for additional information on approved accessories.

Inspection Criteria and Procedures

Inspect the HARS 2.0 according to your agency's Aviation Life Support Equipment (ALSE) Program. The HARS 2.0 should be inspected for serviceability prior to placing it in service and after each use. At a minimum the equipment should be inspected every 12 months. The HARS 2.0 should be thoroughly inspected by a qualified and trained individual consistent with ALSE standard for inspection of life safety equipment. The person performing the inspection should record the date, the results, as well as the date of first use, name of users and any other pertinent information necessary to keep accurate track of the equipment's usage history in the equipment log. Each user should be briefed in equipment inspection and should inspect the equipment before each use. When inspecting the HARS 2.0, check the webbing for cuts, worn or frayed areas, broken fibers, soft or hard spots, discoloration, or melted fibers. Inspect the foam by compressing lightly. If it feels hard, brittle or broken, the foam components should be replaced. Check the stitching for pulled threads, abrasion, or breaks. Check the hardware for damage, sharp edges, and improper operation. If any of the above is noted, or if the harness has been subjected to shock loads, fall loads, or abuse other than normal use, remove it from service and destroy it. If there is any doubt about the serviceability of the equipment, remove the equipment from service and destroy it. The service life of equipment depends greatly on the type of use and the environment of use.

Maximum Lifespan

Force 6 recommends a maximum service life of 10 years from the date of manufacture.

Cleaning

Following immersion in salt water, the HARS 2.0 should be rinsed in fresh water. If the HARS 2.0 becomes soiled, it can be washed in warm water with a mild detergent that is safe for use with nylon and polyester. Dry out of direct sunlight. Do not dry in an automatic dryer. Minor or localized contamination can be treated using an agent that is safe for use on nylon and polyester products. Following decontamination, wash the harness following standard cleaning procedures. In the event of severe bio-hazard contamination, wash in warm water with a mild detergent that is safe for use with nylon and polyester, isolate the harness and contact Force 6 for guidance.



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and safety alerts.



WARNINGS AND CAUTIONS

The products offered for sale by Force 6 are intended for use in rescue operations and survival. Inherent to all rescue and survival environments is an increased risk of injury and/or possible death to an individual or group of individuals. The equipment offered by Force 6 is intended to aid the professional rescuer(s) and/or survival victim(s). However, the risk of injury or death cannot be completely eliminated or foreseen. Equipment training, maintenance and continual reviews of user proficiency is vital to the proper and safe use of all rescue and survival equipment. It is the responsibility of the purchasing and end-user organization or individual to:

- Determine the suitability of equipment for the selected application.
- Define the operational procedures and safety guidelines associated with the proper utilization, maintenance (including service life) and storage of the rescue and survival equipment.
- Ensure that all individuals are thoroughly trained and familiarized with the intended purpose, correct use and function, and serviceability of the equipment.
- Ensure that the equipment is properly maintained, inspected, and ready for use at all times.
- Changes to the configuration of or modifications to Force 6 products are not authorized by Force 6 and are not recommended.

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