

**IMPORTANT INFORMATION - PLEASE READ AND SAVE**



# Vertical-Lift Litter Harness

**Made in USA**  
of US and foreign components

## CARRYING, MAINTENANCE & STORAGE

During use, carrying and storage keep the equipment away from acids, alkalis, exhaust emissions, rust and strong chemicals. Do not expose the equipment to flame or high temperatures. Carry the equipment where it will be protected as the equipment could melt or burn and fail if exposed to flame or high temperatures.

If the equipment becomes soiled, it can be washed in cold 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. Store in a cool, dry location. Do not store where the equipment may be exposed to moist air, particularly where dissimilar metals are stored together.

## REPAIR

All repair work shall be performed by the manufacturer. All other work or modifications void the warranty and releases CMC from all liability and responsibility as the manufacturer.

## SAMPLE LOG

The sample log suggests records that should be maintained by the purchaser of the life safety equipment.

Equipment Inspection and Maintenance Log			
Item _____ # _____		Date in Service _____	
Brand/Model _____		Strength _____	
Date	How Used or Maintained	Comments	Name



## WARNING

- **SERIOUS INJURY OR DEATH MAY RESULT FROM THE IMPROPER USE OF THIS EQUIPMENT.**
- **THIS EQUIPMENT HAS BEEN DESIGNED AND MANUFACTURED FOR USE BY EXPERIENCED PROFESSIONALS ONLY.**
- **DO NOT ATTEMPT TO USE THIS EQUIPMENT WITHOUT PRIOR TRAINING.**
- **THOROUGHLY READ AND UNDERSTAND ALL LABELS AND INSTRUCTIONS BEFORE USE.**
- **USE, INSPECT AND REPAIR ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.**

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**ISO 9001 Certified**

The **CMC Vertical-Lift Litter Harness** was designed to allow quick and easy 90-degree edge transitions, improving patient care and reducing risk. The system requires minimal manpower and allows easy transition over an edge with or without a high anchor point including parapet roofs, over handrails or out of window openings. The unique spreader bar allows the litter to pivot between the side straps as the head of the litter clears the edge.

#### **USER INFORMATION**

User Information shall be provided to the user of the product. CMC recommends separating the User Information from the equipment and retaining the information in a permanent record. CMC also recommends making a copy of the information to keep with the equipment and that the information should be referred to before and after each use.

#### **INSPECTION**

Inspect the equipment according to your department's policy for inspecting life safety equipment. Inspect the equipment prior to entry into service, after each use, and at least once every 12 months. The equipment should be thoroughly inspected by an inspector that meets your department's training standard for inspection of life safety equipment. Keep a record of the date, person performing the inspection and 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 or on a tag that attaches to the equipment. Each user should be trained in equipment inspection and should inspect the equipment before each use.

When inspecting the equipment, check the webbing and rope for cuts, worn or frayed areas, broken fibers, soft or hard spots, discoloration, or melted fibers. 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 equipment has been subjected to shock loads, fall loads, or abuse other than normal use, remove the equipment 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. Because these factors vary greatly, a precise service life of the equipment cannot be provided.

#### **SETUP**

1. Loop the litter harness webbing, from the inside out, around a litter stanchion (cross tube) member on each side of the litter near the patient's hips. Adjust the length of the side web so the spreader bar clears the head of the litter. Secure the tail end of the web in the metal tri-glide buckle.
2. Reeve the Main Line through the hole of the Knot Protector. Tie a Figure 8 On-a-Bight and connect it to the Delta Quick-Link. Be sure that the protector is on the bottom of the knot.
3. Connect the Belay Line to the head of the litter over the litter harness assembly. Attach a tag line to the foot of the litter.
4. For use with a tender: Use an Alpine Butterfly knot or a Long-tailed Bowline knot in the Main Line to connect to the Delta Quick-Link. The tail of the Main Line becomes the Tender Line and should extend past the foot of the litter. The Tender should be straddling the litter with his back away from the edge or wall.



**Alpine Butterfly Knot**



**Long-tailed Bowline**

#### **LOWERING OPERATIONS**

1. Position the Main Line and Belay Line anchors a minimum of 20 feet away from the edge. Set edge protection the width of the spreader over rough or sharp edges.
2. Slide the foot of the litter over the edge up to the point where the litter harness attaches to the litter at the patient's hip.
3. Lift the head of the litter allowing it to rotate over the edge and settle on the harness assembly.
4. Continue lowering the litter until the spreader bar is just past the edge. Attach a locking carabiner to both litter rails and at the head of the litter and connect to the harness straps.
5. Use a tag line attached to both side rails at the foot of the litter to help pull it away from the wall or face and lower to the ground.

#### **RAISING OPERATIONS**

1. Position the Main Line and Belay Line anchors a minimum of 20 feet away from the edge. Set edge protection the width of the spreader over rough or sharp edges.
2. Attach a locking carabiner to both litter rails and at the head of the litter, and connect to the harness straps. Use a tag line attached to both side rails at the foot of the litter to help pull it away from the wall or face.
3. Raise the litter until the spreader bar is just past the edge. Remove the locking carabiners from the harness and litter rails.
4. Continue to raise the head of the litter until the point where the harness attaches to the railing reaches the edge.
5. Lower the head of the litter allowing it to rotate over the edge. The Belay Line or a separate tag line can make this step easier.