BUCKINGHAM MFG.

BUCKET RESCUE DEVICE
(P/N 3813D1Q5 & 3813D1Q6)

Warning: Do not use this product if you cannot understand and follow the instructions and warnings that come with it and complete all necessary functions.

Buckingham's P/N 3813D1Q5 / 3813D1Q6 series has been designed to provide a means to rescue a worker from an elevated height. This system and any of its **components must not be used for any other purpose.**

The Buckingham Bucket Rescue Device includes a block and tackle system consisting of two double pulleys to provide a 4:1 reduction in load required to lift the worker.

In compliance with the ANSI Z359.4 standard this product has a user weight limit of 130 to 310 lbs. (59 to 140 kg) when fully equipped. Outside of the ANSI Z359.4 compliance this system can be used as follows:

- Exceptional cases like an accompanied descent (i.e. hurt man rescue): 440 lbs. (200 kg) maximum, when fully equipped. This method of rescue can only be used by rescuers specially trained in this technique.
- Single person load of 420 lbs. (190.5 kg) maximum, when fully equipped and when used with an equivalently rated harness / accessories.

Note: as a minimum use of this system requires:

- no impact loading.
- the rescuer must have the physical ability and adequate strength to hold the worker at any point during the rescue. (i.e. the minimum force on the haul line for a 420 lb. individual based upon the systems 4:1 ratio blocks, is105 lbs.
- it is recommended that an additional breaking system be used. To add additional braking to the system, the user must route the tail end of the haul line around a suitable stationary object (such as a pole) to create friction. The amount of braking / friction can be controlled by varying the number of wraps around the stationary object.

Maintenance and inspection of this rescue equipment is the responsibility of the assigned crew and requires inspection including but not limited to the block and tackle, fall line, swivels, swivel lock rings, springs, straps and buckles. After inspection, operate entire unit. This maintenance and inspection also applies when using a spare bucket truck.

NOTE: Ratchet components as well as the snap hook keeper, locking mechanism and springs should also be thoroughly inspected for corrosion.

Recommended inspection intervals: Visual inspection: Prior to raising the boom, perform a visual examination of the boom attachment strap, ratchet mechanism and storage bag for damage, deterioration or improper attachment.

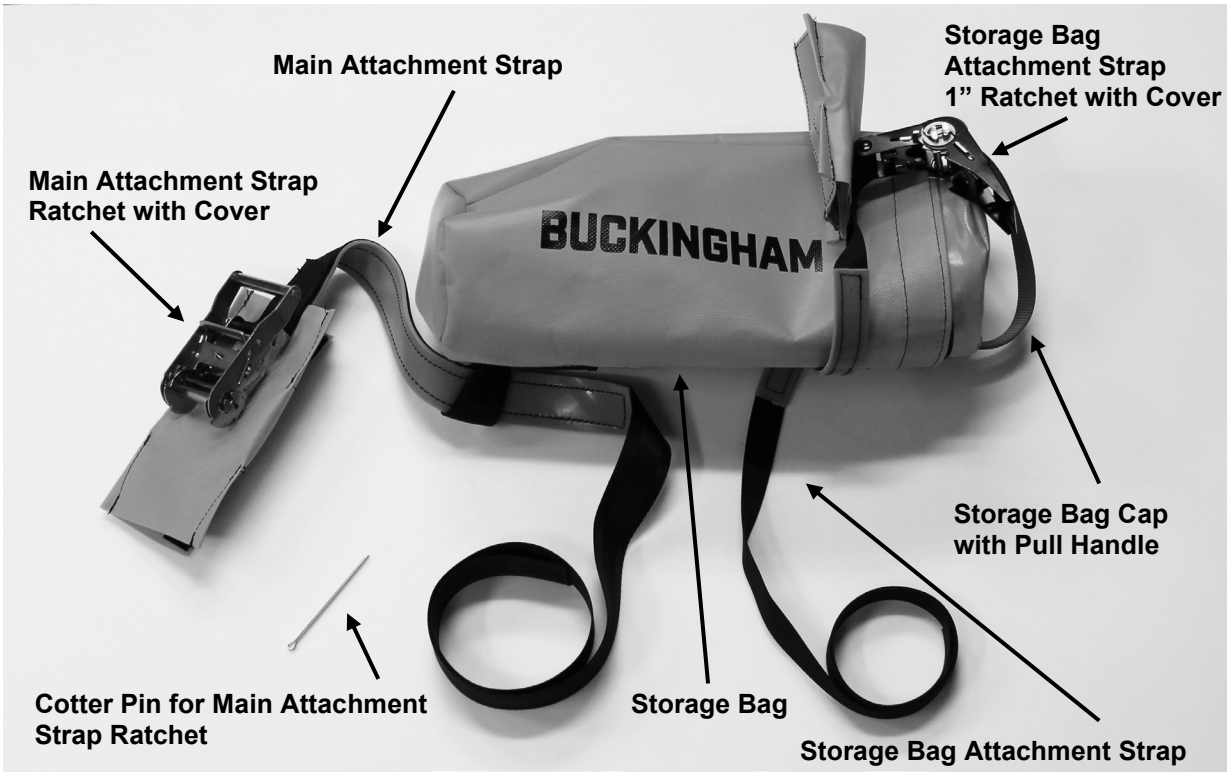
Inspection should include but not be limited to ensuring that unit is free of burns, cuts, abrasions, kinks, knots, broken strands or excessive wear and dee rings, snaphooks, blocks and buckles (if any) function properly and are not cracked or distorted.

Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. Co. may make repairs / modifications to this equipment.

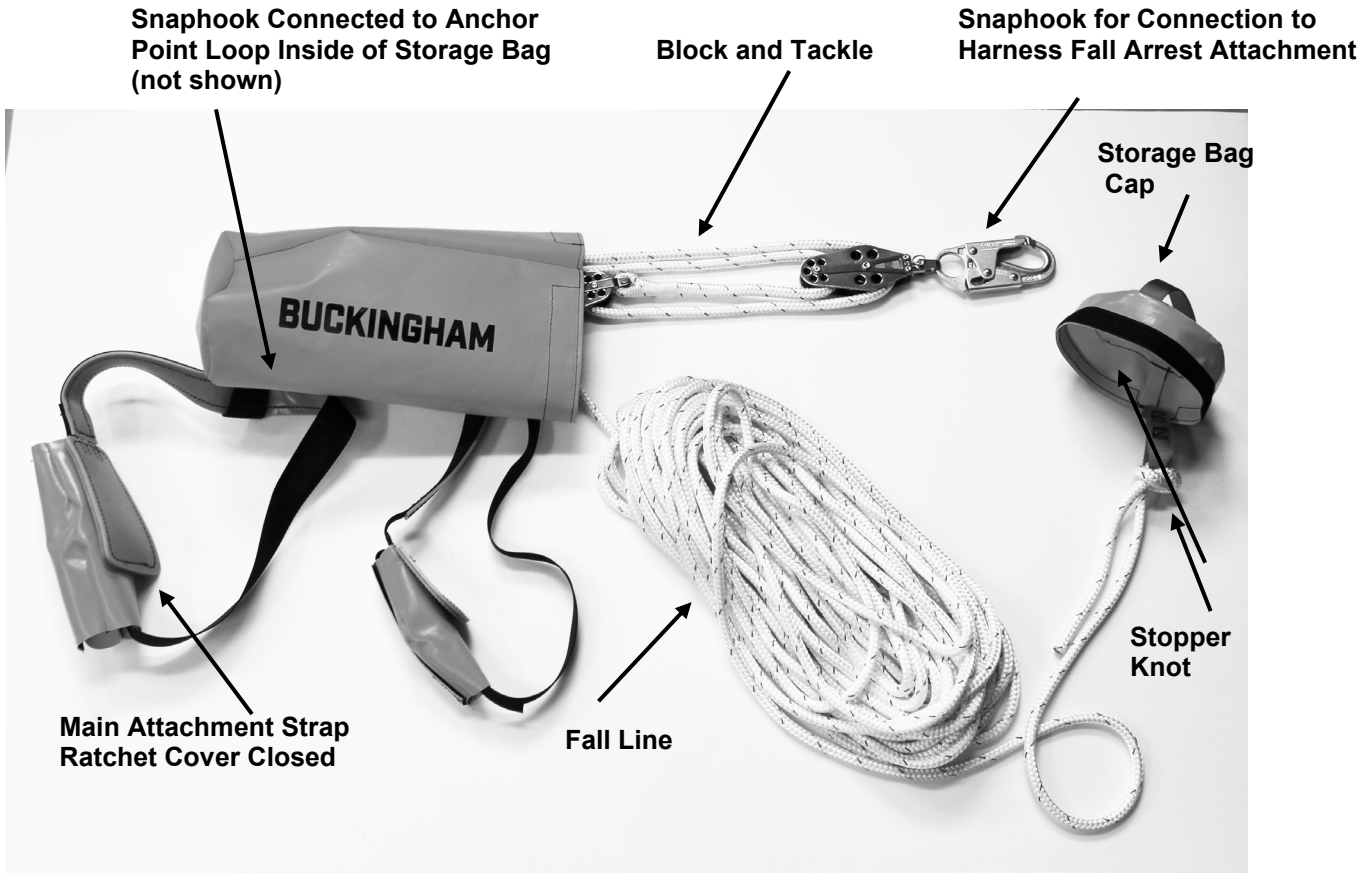
As a minimum annually Inspect complete system and repack. As required by ANSI Z359.4: "Equipment shall be inspected by the rescuer before each use and additionally by a competent person other than the rescuer at intervals of no more than one year".

Ensure the system is in good working order. If there is any question about the condition of any component of the system, discard the unit and replace with a new unit.

SYSTEM COMPONENTS WITH STORAGE BAG CLOSED:



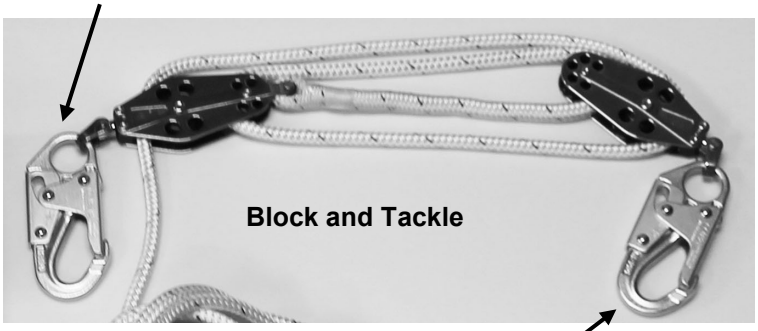
SYSTEM COMPONENTS WITH STORAGE BAG OPEN:

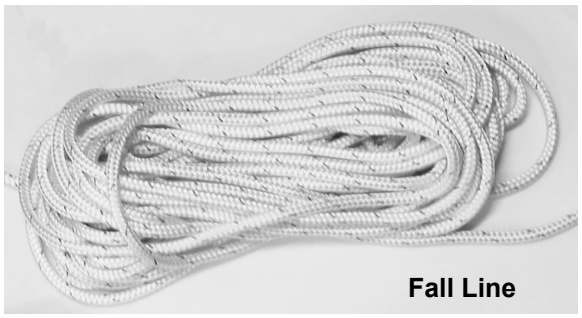


WARNING: The storage Bag Attachment Strap is designed only to hold the Storage Bag to the Boom, Not for Human Support.

INDIVIDUAL SYSTEM COMPONENTS:

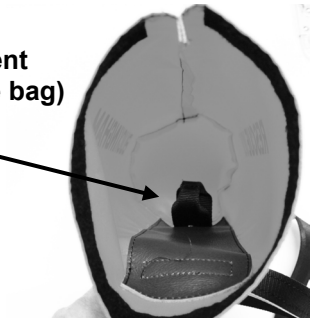
Anchor End Snaphook

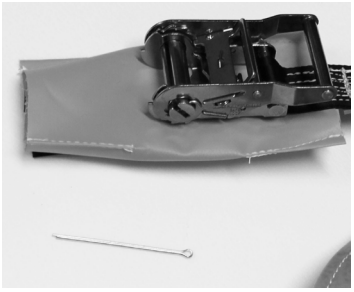




Harness Fall Arrest Attachment Snaphook

Anchor Point Attachment Loop (inside of storage bag)





Main Attachment Strap Ratchet with Cotter Pin

PRIOR TO ATTACHING THE BUCKET RESCUE DEVICE TO THE BOOM:

1. Remove all components from the storage bag. See System Component sections above for details of the entire system.
2. Read and fully understand all instructions and warnings before installation and use.
3. Thoroughly inspect all components and operate swivels, pins, pin lock rings, shives, snaphooks, ratchets, etc. to ensure they function properly.
4. Inspect and operate the blocks for proper rigging. Also, run the blocks several times to assure that they function properly. NOTE: If blocks DO NOT function properly, correct or replace the unit.
5. Inspect fall Line to ensure it is free of burns, cuts, abrasions, kinks, knots, broken strands and excessive wear. Stitched, spliced and all whipped ends are free of defects.
6. Ensure a stopper knot is tied approximately one foot from the end of the fall line. The fall line is supplied with a stopper knot tied through the loop of the containment bag cap (Cap attached to fall line helps prevent loss of cap). If there is no knot near the end of the line, tie an overhand knot through the loop and approximately one foot from the end of the fall line (Fig. 1).

Remove from service, destroy and discard unit if it does not pass this inspection and replace immediately.

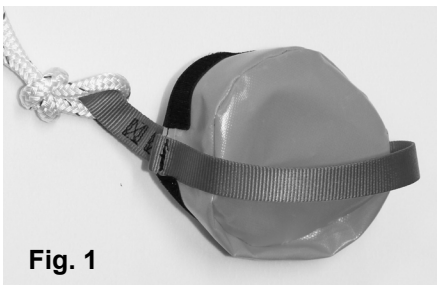


Fig. 1

REPACK:

Upon completion of inspection, re-pack the unit into the storage bag as described below.

1. Reconnect the Anchor End Snaphook to the Anchor Point Loop that is located inside the storage bag (Fig.2). Visually check that the Anchor End Snaphook is connected through the Anchor Point Attachment Loop that is located inside of the storage bag and that the snaphook gate is completely closed as shown below. Never rely solely on the feel or sound of a snap hook engaging.

Anchor Point Attachment Loop (inside of storage bag)

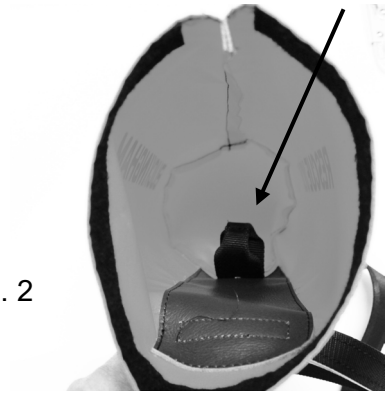
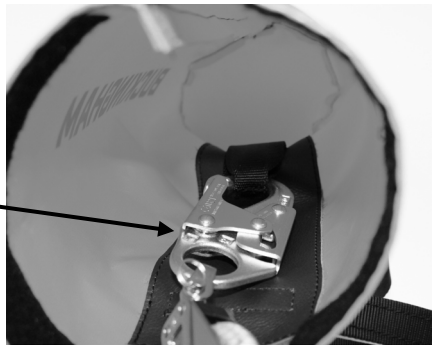


Fig. 2

Anchor End Snaphook Connected to Anchor Point Attachment Loop (inside of storage bag)



2. Loosely feed the fall line into the bag by making small concentric loops on top of one another so that the line will not become tangled when it is pulled from the bag.

3. When all the fall line is inside the storage bag attach the Anchor End Snaphook though the inside loop the storage bag cap (Fig. 3).

Fig. 3

4. Place the block and attached Anchor End Snaphook on top of the fall line.

5. Attach the storage bag cap to the storage bag by aligning the hook fastener of the cap to the loop fastener of the storage bag.

6. Press the hook and loop fastener together around the entire circumference of the storage bag (Fig. 4).

Fig. 4

INSTALLATION:

INSTALLATION INSTRUCTIONS FOR ATTACHING THE BUCKET RESCUE DEVICE TO THE BOOM

1. Install the block and tackle storage bag on the boom approximately 7 feet from the centerline of the bucket mounting shaft. (Note: Ensure attachment is at adequate height to remove hurt person from bucket.) The storage bag should be mounted on the bucket side of the boom, except on double bucket trucks, on which the bag should be mounted on the bottom of the boom to facilitate the two buckets.

2. Attach by looping the storage bag attachment strap around the boom and feeding the free end

through the 1” ratchet. Ratchet the strap tight so that the storage bag is securely in place. Note: Storage Bag Attachment strap is only intended to hold the bag to the boom, not for human support.

3. When securing the main attachment strap / ratchet to the boom, ensure the placement is such that it can be easily accessible for attachment/removal of the bag by any person who may be required to use the unit. Ensure attachment is at adequate height to remove hurt person from bucket.

4. The main attachment strap should be mounted so that the Main Attachment Strap Loop is on the bucket side of the boom, except on double bucket trucks, on which the dee ring should be on the bottom of the boom to facilitate the two buckets.

5. To mount the unit to the boom, weave the main attachment strap around the boom and through the eye of the main attachment strap loop (Fig 5). Ensure the rubber side of attachment strap is oriented against the surface of the boom.

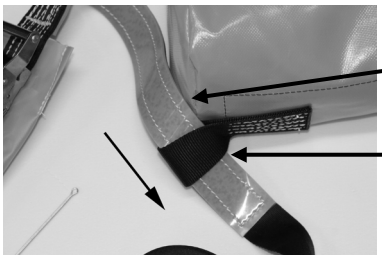


Fig. 5

6. Thread the main attachment strap through ratchet as follows:

   a. Thread the free end of the nylon strap through the slot in the winder bar (Fig. 6).

Fig. 6

   b. Pull the strap through the winder bar until the strap is taut (Fig 7).

Fig. 7

c. Tighten the strap with the ratchet until the strap is sufficiently snug to prevent the unit from moving when in use (Fig. 8). A minimum of 2 full wraps of webbing should be around the winder bar after tightening. Care should be taken not to place an excessive number of wraps around winder bar as this may cause jamming. NOTE: For installation on a square boom, ensure ratchet lies against the flat surface (Fig. 8).

Fig. 8

d. Lock the ratchet by inserting the cotter pin through the holes in the ratchet housing and handle and spreading the ends of the cotter pin (Fig 9).

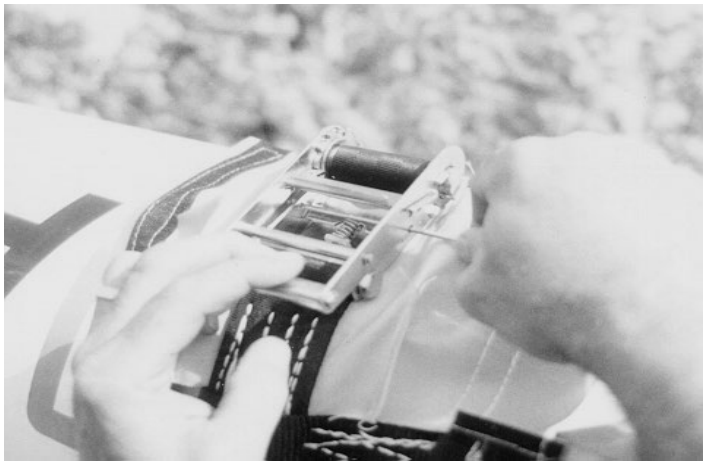


Fig. 9

e. Cut off excess strap, leaving approximately 6” protruding from the ratchet. Burn the cut end of the strap to prevent fraying.

f. Cover the ratchet by folding the vinyl flaps of the cover over the ratchet and mating the Velcro strips (Fig. 10).

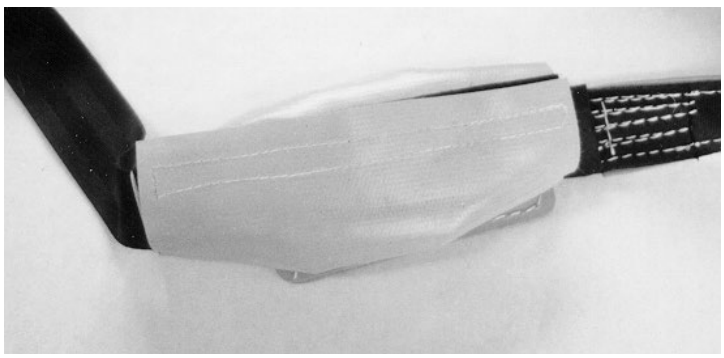


Fig. 10

OPERATION :

1. Rescuer positions the bucket then pulls downward on the storage cap pull handle to open the bag. The fall line, block and snaphook release from the bag. Do not allow the fall line to fall into the bed of the truck where it could become tangled.

2. Remove the fall line snaphook from the storage bag cap.

3. Rescuer secures the fall line snaphook to the fall arrest attachment of the lineman's harness and removes his fall arrest lanyard.

4. The victim is then hoisted out of the bucket.

   Note: Prior to initiating this step, rescuer must ensure he / she has the physical ability and adequate strength to hold the worker at any point during the rescue. (i.e. the minimum force on the haul line for a 420 lb. individual based upon the systems 4:1 ratio blocks, is 105 lbs.

5. The rescuer lowers the victim to the ground for medical attention.

INSTRUCTIONS FOR RE-PACKING:

Inspect and Re-pack as noted above after use.

NOTE: Ensure proper fit / size of product before use. This product can-not be returned unless it is in new / unused condition.

STATEMENT of OBSOLESCENCE:

Precise “useful life expectancy” or “shelf life” for this product is not specified, as the degree of use, conditions of use, and the degree of care and storage determines useful life. All users maintain responsibility to select proper equipment for the job, be properly trained in its use, and ensure all personnel support equipment passes inspection before each use. Upon evidence of defects, damage or deterioration, all equipment shall be removed from service immediately and tagged or marked as unusable or destroyed. Additionally, all equipment shall be inspected on a regular basis not to exceed one year by a Competent Person, as defined by OSHA/ANSI, to verify that the equipment is safe for use. In the event of any question or concern regarding the condition of such equipment, users shall remove the equipment from service for further inspection. All users must comply with OSHA/ANSI/ASTM standards prior to and in using such equipment. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

INTERNATIONAL USERS:

Notwithstanding the above, please know that certain international jurisdictions require manufacturers of equipment to provide customers with a maximum useful lifespan (sometimes referred to as a “Statement of Obsolescence”). To the extent required, Buckingham personal protective equipment manufactured from synthetic fiber materials including but not limited to items such as webbing and/or rope are subject to a maximum useful lifespan of ten (10) years from the date of manufacture. As stated above proper usage, storage, maintenance, and care impacts the useful lifespan of equipment. Extreme circumstances may require that product must be retired after only one use. This statement is made in conformance and compliance with BS EN 365:2004. International users must ensure that product inspections are completed by Competent Persons as defined by international standards including but not limited to British Standard (“BS”). If equipment fails any inspections, it must be immediately withdrawn from service and destroyed. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

OUR GUARANTEE:

We guarantee the equipment we manufacture to be free from defects in material and workmanship. We will repair any equipment deemed to be defective which is returned to us by the original purchaser. However, this guarantee is void if any product is changed or altered in any way, or if the product is used in a manner other than for which it is intended. This express guarantee supersedes all other expressed or implied guarantees, obligations or liabilities. There are no implied warranties of merchantability or fitness for a particular purpose and as such, all implied warranties are specifically disclaimed.

LIMITATION ON LIABILITY:

In no event will Buckingham or buyer be liable to the other for lost revenues, lost profits or any other indirect, consequential, special or punitive losses or damages, however caused, whether in action for breach of contract, strict liability, tort, or otherwise, even if advised of the possibility of such losses or damages. In no event will Buckingham's liability exceed the total amount paid by the buyer to Buckingham for the product or equipment giving rise to such claim(s).

Please see other terms and conditions relating to this product at https://buckinghammfg.com/terms-conditions/

REGISTRATION:

Before use of the product, ensure to register and confirm the product at www.buckinghammfg.com/register.

BUCKINGHAM MFG.
BINGHAMTON, NY
1-800-937-2825
www.buckinghammfg.com

Hardware and colors may vary from that shown in figures.

Information contained in these written instructions supersedes all other information (written, audio, video etc.) produced by Buckingham Mfg. prior to the revision date of this document.