

Buckingham Mfg. Co.

PN 125R Buck-It RESTRAINT SYSTEM

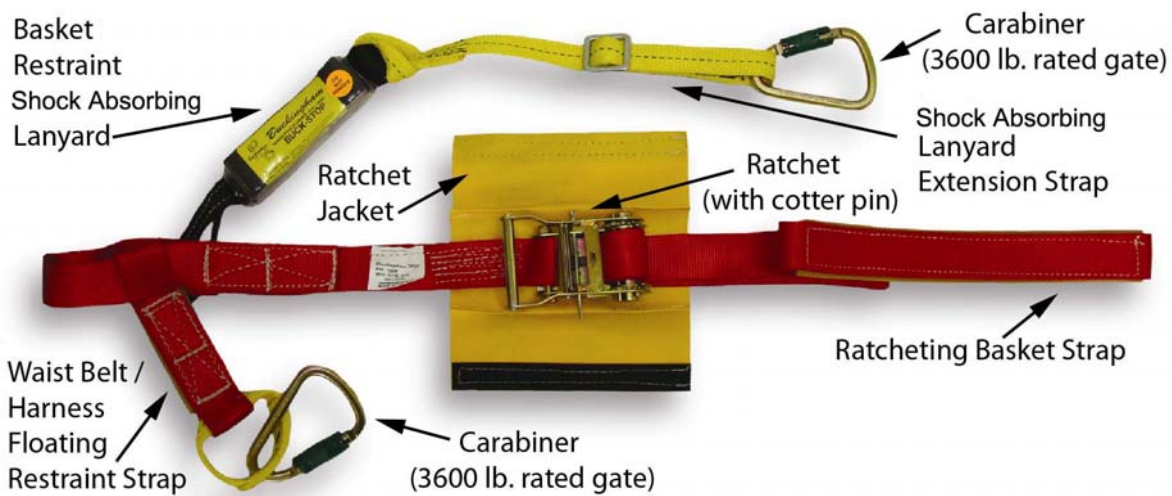
Buckingham Develops the New Buck-It Restraint

We won't let you fall...and you will have freedom to move.

Buckingham has developed a bucket restraint system to address the concern of the OSHA compliance officers pertaining to a user wearing a full body harness and six foot lanyard being able to fall from the basket and hit an object below. The concept is to secure a rated strap around the basket placing a 6" lanyard that floats 8" horizontally to prevent the operator from being catapulted. Should the basket separate from the boom, a Shock Absorbing Lanyard is attached back to the boom, that will keep the operator and the basket from hitting the ground.



Components of the Buckingham Buck-It Restraint System



(Hardware may vary from that shown above)



Restraint System mounted to the basket



User in the basket with a waist belt



User in the basket with a harness

Warning: Complete proper installation of this device, ensure the Waist Belt / Harness Floating Restraint Strap is secured to the user and the Basket Restraint Shock Absorbing Lanyard is attached to the anchor point of the boom/ truck before elevating the basket.

Installation of the Buck-It Restraint System

1. Locate the anchor point on the boom and determine the best location to position the Basket Restraint Shock Absorbing Lanyard and Waist Belt / Harness Floating Restraint Strap based on the operation you intend to perform. The Waist Belt / Harness Floating Restraint Strap has a built in wear guard. Place the wear guard down so it shields the webbing from wear due to abrasion from the basket lip (see Fig. A).

Fig. A



Wear guard is stitched to the underside of the Waist Belt / Harness Floating Restraint Strap. Wear guard is facing down and is not shown.

2. Place the Ratcheting Basket Strap just under the lip of the basket. Note: the Basket Restraint Shock Absorbing Lanyard must connect back to the anchor point on the boom / truck. (see Fig. B)

This end to the anchor point on the boom / truck.

Fig. B



Optional - Recess Bracket Installation

Note: Some aerial baskets are manufactured with a recess near the hinge point to allow for access to controls (see Fig. C). If your basket has this recess, the restraint strap may interfere with the operation of the controls as shown in Fig. D. To correct this situation, insert the optional Recess Bracket (Buckingham PN 125R2) under the lip of the basket directly in front of the recess. To install, align the Recess Bracket so that its flat section is towards the outside flat of the basket with the bracket ears facing the controls (see Fig. E). Thread the webbing of the Ratcheting Basket Strap through the Recess Bracket as shown in Fig. F and then continue to wrap around the basket.

Fig. C



Fig. D



Fig. E

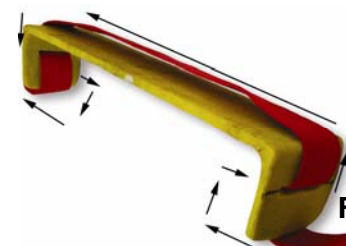


Fig. F

Optional - Removal of Shock Absorbing Lanyard Extension Strap

Keep the Basket Restraint Shock Absorbing Lanyard as short as possible. If the anchor point is close enough to the connector of the Basket Restraint Shock Absorbing Lanyard remove the Shock Absorbing Lanyard Extension Strap. Remove the connector from the Extension Strap and attach the connector directly to the eye of the shock absorbing pack. The Shock Absorbing Lanyard Extension Strap must be used if the anchor point is too far away from the connector.

3. Ensure there are no twists in the webbing when it is wrapped around the perimeter of the basket.
4. Insert the end of the webbing through the ratchet and tighten to create a tight fit around the basket.
 - a. Insert the cotter pin through the pre drilled hole in ratchet mechanism (see Fig. G). Bend the legs of the cotter pin outward to ensure the pin cannot fall out.

Fig. G



- b. Wrap the loose ends of the Ratchet Jacket around the ratchet and strapping and secure the hook and loop fastener in the closed position. (see Fig. H).

Fig. H



5. Attach the connector of the Basket Restraint Shock Absorbing Lanyard to a suitable anchor point on the boom / truck and ensure the keeper / gate is completely closed. Never rely on the feel or sound of a snap hook / carabiner engaging. Anchor points may be of different configurations or locations dependant on the boom / truck manufacturer. See boom / truck manufacturer's instructions for appropriate anchor point connection.
6. Attach the connector of the Waist Belt / Harness Floating Restraint Strap to the body support D-ring on the waist belt (see Fig. I) or to the horizontal attachment on the harness (see Fig. J) ensure the keeper / gate is completely closed. Never rely on the feel or sound of a snap hook / carabiner engaging.



Waist
Belt
Harness
Floating
Restraint
Strap

Fig. I



Horizontal
Harness
Attachment

Fig. J

If your harness does not have a horizontal attachment at waist height, use the optional Harness Retro Strap (Buckingham PN 125R1). Once the Harness Retro-Strap is secured to the harness, attach the connector of the Waist Belt / Harness Floating Restraint Strap to the Harness Retro Strap. Ensure the keeper / gate is completely closed. Never rely on the feel or sound of a snap hook / carabiner engaging.

INSPECTION: Prior to and after each use, carefully inspect each component. Supplement these inspections with periodic inspections on a monthly basis even if the product has not been used. The inspection should include, but not be limited to the following:

Snap Hook and Carabiner: Ensure locking device and keeper / gate operate freely and smoothly. Inspect to ensure no cracks, distortion, corrosion or nicks exist. If any evidence of wear or deterioration as outlined is observed, immediately cease use, destroy the product, and replace it with new equipment. Should any unusual conditions not outlined above be observed or you have reasonable doubt about a particular condition, remove the equipment from service and notify your Supervisor, Safety Director, or contact Buckingham Mfg. Co. for clarification. Read and understand the locking Snaphook Inspection Procedure packed with this product. Failure to carefully and completely inspect your equipment could result in serious injury or death.

WARNINGS:

- Read understand and follow all instructions and warnings attached and or packed with this product before use.
- This equipment is intended for use by properly trained professionals only.
- Fall protection equipment, (i.e. fall arrest, work positioning belts, retrieval, suspension etc.) should not be resold or provided to others for re-use after use by original user.
- Anchor points must support a minimum of 5000 lbs. per attached worker.
- Avoid rubbing system components against abrasive surfaces and sharp edges.
- Use this product only in combination with compatible equipment.
- Equipment subjected to impact loading must be immediately removed from service, destroyed and discarded.
- Always visually check that the snap hook / carabiner freely engages the anchor point and the keeper / gate is completely closed. Never rely on the feel or sound of a snap hook / carabiner engaging.
- Be certain the snap hook / carabiner is positioned so that its keeper / gate is never load bearing.
- Ensure loads applied to carabiners are directed in the proper orientation. (Proper and improper loading techniques are shown in Fig. K).

Proper Loading Techniques

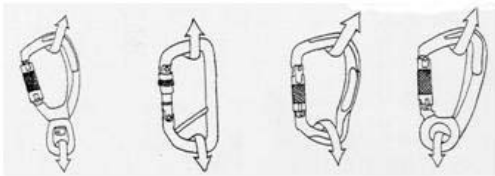
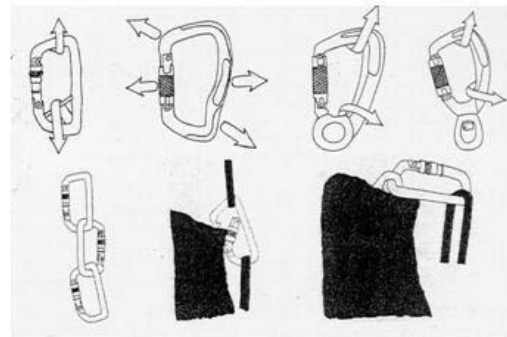


Fig. K

Improper Loading Techniques



- Never disable the locking mechanism on the snap hook / carabiner, punch holes in or alter a connecting device in any way.
- Do not let any part of this kit come into contact with any chemicals, corrosive materials, acids or basic solvents.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user
- Employer - instruct employees as to proper use, warnings and cautions before use of this equipment.

MAINTAINANCE: Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. Clean equipment with water and mild soap and allow to dry thoroughly without using excessive heat. Lubricate as necessary. Apart from visual examination of product before and after each use, it should be inspected at least once a year by an authorized person.

NOTE: This product can not be returned unless it is in new / unused condition.

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