

# BUCKINGHAM MFG.

## INSTRUCTIONS / WARNINGS

### Suspension Trauma Rescue System

#### P/N 105RSDK1 (BuckStep 2.0)

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.

PN 105RSDK1 (BuckStep 2.0) is designed to be retro-fitted to an existing harness.  
Harness Option R12 (BuckStep 2.0) is permanently attached to the harness at the factory.

Products consist of two-piece trauma relief straps stored in removable containment packs attached on each side of the harness (at the intersection of the upper and lower harness sections). See fig.1 for containment pack locations.

Pack styles, Carabiner styles, material types & colors may vary from that shown below.

**Read and understand** all labels, instructions and warnings attached to and packed with this product.

This product, when properly attached to a full body harness and used, is designed to extend the allowable suspension time for a user who has experienced a fall from a height.

#### PN 105RSDK1 ATTACHMENT TO HARNESS:

Mount one pack at each side of the harness just above the intersection of the upper and lower sections (use Attachment Steps 1 – 5 below). Ensure that the opening in the containment pack is facing up (fig. 1). This product is designed for use by either a right- or left-handed user.  
Attachment Steps 1- 5 (repeat for both parts of the system (packs) on each side of the harness):

1. To attach, slide the looped strap extending from the containment pack behind the shoulder strap (above the intersection of the upper and lower section) (fig. 2).
2. Slide the containment pack through the opening of the looped strap forming a girth hitch and cinch it snugly to the harness (fig. 3a & 3b).  
Note: The containment packs are not connected to the trauma relief straps, when cinching the girth hitch loop, you may accidentally pull the strap from the containment pack, if this happens simply reinsert the strap into the containment pack.
3. Align the containment pack parallel to the outer harness strap (fig. 4).
4. Wrap the containment pack strap with fasteners around the outer harness strap at the intersection of the harness upper and lower sections and connect the fasteners to hold the pack in place (fig. 5).
5. When attached, the containment pack should appear as shown in fig. 6 with the opening of the containment pack facing up.

fig. 1



Intersection of the  
harness upper and  
lower sections

Facing up

NOTE: The permanently attached Option R12 has the carabiner connector on the left side of the harness (user's right side).

fig. 2



fig. 3a



fig. 3b



fig. 4



fig. 5

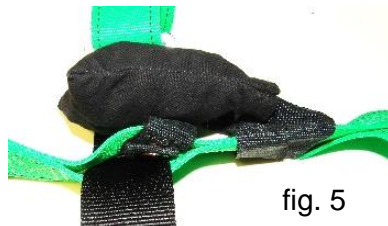


fig. 6



#### USE / ADJUSTMENT: (105RSDK1 & HARNESS OPTION R12)

- OVER -

## USE:

Trauma relief straps have length adjustment buckles. One strap is terminated with a carabiner and the other with a ring (fig. 7). Connecting the straps together with the carabiner and ring will create a loop (BuckStep) (fig. 8).

1. When in the suspended position due to a fall, open one containment pack and pull out the entire length of the strap (fig. 9). Next, open the opposite side containment pack and pull out the entire length of that strap.
2. Ensure there are no twists in the straps and connect the carabiner attached to one strap to the ring of the other strap. Confirm the carabiner is engaged and fully closed (fig. 7 & 8).



fig. 7



fig. 8



fig. 9

3. Step into the loop one foot at a time. Place both feet into the loop to reduce pressure from the harness leg straps (fig. 10).

## ADJUSTMENT

Adjust the straps as needed to obtain the most comfortable position.

- a. To shorten the straps, grasp the tail of the strap located below the girth hitch loop and pull downward while bending the knees (fig. 11)
- b. To lengthen the strap, pull up on the frame of the buckle located below the girth hitch loop while pushing downward with legs (fig. 12a – 12b)



fig. 10



fig. 11



fig. 12a



fig. 12b

## WARNINGS:

- Read, understand, and follow all instructions and warnings before using this equipment. Failure to do so could result in your serious injury or death.
- It is the user's responsibility to ensure that they are properly trained in the use, care, and limitations of this product.
- This device is intended to be used in emergency suspension situations or for training only. It is not intended for any other purpose.
- The carabiner included with this device is to be used in accordance with these instructions and warnings only. It must not be used for climbing, work positioning, fall arrest, or any other purpose.
- After being retrieved from harness suspension, maintain an upright position. Do not lay down and seek immediate medical attention.
- In the event of a fall, the employer must have a post fall rescue plan and the means to implement it.
- Never disconnect harness hardware while suspended.
- Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. may make additions, alterations or repairs to this equipment.
- This equipment is for personal use only, not towing or hoisting or climbing.
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- This equipment is for personal use only, not towing or hoisting or climbing.
- Please consult with your physician prior to using this product. Do not use this product under the influence of drugs or alcohol.
- Avoid contact of this equipment with chemicals which may damage the material. If in doubt, contact supplier or Buckingham Mfg. Co.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.

## **INSPECTION:**

Inspect prior to each use; inspection should include but not be limited to the following:

1. unit is properly attached to harness.
2. unit is free of any defects such as burns, cuts, abrasions, kinks, knots, broken strands, chemical or physical exposures, cracks, charring, excessive wear, discoloration, swelling, loose, cut, or missing stitching.
3. Carabiner and buckle(s) are not distorted or cracked.
4. Carabiner keeper / gate is clean and functioning properly.

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

## **CLEANING:**

Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. The BuckStep should be cleaned with water and mild soap (a dish washing soap that removes grease (i.e. Dawn)) and be allowed to dry thoroughly without using excessive heat. **NOTE:** This product cannot 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](http://www.buckinghammfg.com/register).

## **BUCKINGHAM MFG.**

BINGHAMTON, NY

1-800-937-2825

[www.buckinghammfg.com](http://www.buckinghammfg.com)

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.