

# BUCKINGHAM MFG.

## BuckGrab (PN 5004BQ4)

### LENGTH ADJUSTING DEVICE (LAD) RETROFIT INSTRUCTIONS

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 5004BQ4 is designed to add or take up slack in an Adjustable Positioning Lanyard so that the system will accommodate various circumferences.

#### Tools required:

- One 1/2" wrench
- One 3/16" Allen wrench
- Optional: Pair of split ring pliers

Assembled LAD: See Fig. 1.



Fig. 1

#### Disassembly Instructions:

1. Remove the split ring from the shoulder bolt of the LAD
2. Use a 1/2" wrench and a 3/16" Allen wrench to remove the Nylock locking nut from the shoulder bolt.
3. Pull the shoulder bolt out through the cam lever and the body of the LAD.
4. Remove the cam lever from the body being cautious not to lose the return spring assembled into it.  
(Disassembled LAD should appear as in Fig. 2 and have the parts listed below).

#### Disassembled parts should include:

- Body
- Cam Lever
- Return spring
- One 3/8" x 1 1/4" pre-drilled shoulder bolt
- One 5/16" -18 Nylock locking nut
- One split ring



Fig. 2

#### Assembly Instructions:

1. Insert the rope into the groove of the LAD body. **The arrow shown on the device (Fig. 3) must point to the locking snap hook / carabiner end of the Adjustable Positioning Lanyard.** If the Adjustable Positioning Lanyard is mounted on a pole, tree, or other structure, the arrow must point towards the same.
2. Place the spring into the cam spring slot. The 90° bent tab portion of the spring must point outward, away from the cam (Fig.4).

Fig. 3



Fig. 4

3. Insert the cam lever and spring back into the body of the LAD (on top of the rope). The spring 90° bent tab must be started into the small hole in the side of the LAD body first and then rotate the cam lever inward (Fig.5).
4. Align the holes of the cam lever and the body of the LAD by pushing the cam lever in the directions shown (Fig.6 & 7). The cam lever must be mounted in the same direction as shown in the sketch on the side of the LAD (Fig.7).
5. From either side of the body, insert the shoulder bolt completely through the body and the cam lever (Fig.8).
6. Thread the Nylock locking nut onto the shoulder bolt and tighten until snug (20 in. lbs. max.) with a 3/16" Allen wrench and a 1/2" box end wrench. Do not over tighten the nut.
7. Insert the split ring entirely through the pre-drilled hole in the shoulder bolt (Fig.9).
8. Check by pulling on the eye of the cam lever that the device grips the rope in the required direction and that the spring has adequate tension to ensure the cam lever returns to a position so that the cam teeth make contact with the rope.



**Fig. 5**



**Fig. 6**



**Fig. 7**



**Fig. 8**



**Fig. 9**

### Assembled LAD:

Be sure to perform a trial test while standing on the ground to ensure the LAD properly grips rope / locks prior to climbing.

### Warnings:

- This device is not to be used on a vertical lifeline without the use of a properly rigged Energy Absorber.
- This device has been designed and is intended to be used on 1/2" diameter and rope types denoted below only (see note below).
- This device is not to be used on wire rope or steel cable.
- Please consult with your physician prior to using this product. Do not use this product under the influence of drugs or alcohol.

NOTES: The Buckingham LAD has been tested and approved for use as a Length Adjusting Device used in conjunction with an Adjustable Positioning Lanyard on only the following types of ropes:

- 1/2" Blue Streak 16 strand rope
- 1/2" XTC 16 strand rope
- 1/2" Kernmantle rope
- 1/2" High Vee rope

## **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.**

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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).

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