

# BUCKINGHAM MFG.

## FALL PROTECTION SYSTEM

### MODEL 3114Q1-length

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.

Please consult with your physician prior to using this product. Do not use this product under the influence of drugs or alcohol.

#### COMPONENTS:

- Full Body Harness – (P/N (U68P98Q2)
- Energy Absorbing Lanyard (P/N 5+5V000H3S1)
- Rope Positioner - N-602 (P/N 220154) Attached to Energy Absorbing Lanyard (PN 5+5V000H3S1)
- 100' of 5/8" 3-Strand Multiline Rope (P/N 3114-100LIFELINE)
- 12' Woven Nylon Sling with Loop & D-ring (P/N 3901-12)
- Carry Bag (P/N 45400R2-24)

#### APPLICATIONS

- **PURPOSE:** The 3114Q1 Fall Protection System is designed to be used as a restraint or fall arrest system [temporarily installed (not for permanent installation) anchorage connector. As such, do not attach the lifeline between two or more roof anchors (i.e. horizontal lifeline system)]. Fall restraint systems must have the capacity to withstand at least 3000 lbs. of force or twice the maximum expected force required to restrain the person from exposure to the fall hazard. Fall arrest anchor points must support a minimum of 5000 lbf. per attached worker and be independent of worker support. In determining this force, consideration should be given to site-specific factors such as the force generated by a person walking, leaning, or sliding down the work surface.

**FALL ARREST APPLICATION:** For this application, the 3114Q1-length Fall Protection System is to be used as part of a complete fall arrest system. This system includes a Full Body Harness, Rope Lifeline, and Rope Positioner with attached Energy Absorbing Lanyard. Maximum permissible free fall is 6 feet.

#### LIMITATIONS

The following application limitations must be recognized and considered before using this product:

- CAPACITY:** The 3114Q1 Fall Protection System is designed for use by persons with a combined weight (person, clothing, tools, etc.) of no more than 310 lbs. Only one personal fall arrest system may be connected to the Lifeline at one time.
- FREE FALL:** Personal fall arrest systems used with the 3114Q1 Fall Protection System must be rigged in such a way as to limit the free fall to a maximum distance of six (6) feet (Ref. OSHA 1926.502).
- FALL CLEARANCE:** Make certain that enough clearance exists in your fall path to prevent striking an object below.
- TRAINING:** This equipment is intended to be installed and used by persons who have been properly trained in its correct application and use.

#### INSPECTION

**IMPORTANT:** If this equipment has been subjected to forces resulting from the arrest of a fall, it must be immediately removed from service and destroyed.

**FREQUENCY:** Before use, visually inspect the entire system for at least, the following (i.e. inspection should include but not be limited to the following):

- Step 1:** Inspect the anchor point / device for physical damage, any signs of cracks, dents, deformities, etc.
- Step 2:** Ensure that the condition of the anchor will support the required loads.
- Step 3:** Inspect each system component or subsystem as outlined in component/subsystem supplied instructions.

## USE AND OPERATION

**BEFORE INSTALLATION** of this equipment, ensure it has been properly inspected to confirm that it is in good working condition. Completely read, understand, and follow all instructions, warnings, and guidelines pertaining to this and all associated equipment before use. Failure to do so could result in your serious injury or death.

**PLAN** your fall arrest or restraint system before starting your work.

**FULL BODY HARNESS / ENERGY ABSORBING LANYARD / ROPE POSITIONER:** Properly don in accordance with the additional Instructions / Warnings packaged with this product and with applicable ANSI Z359 standards / OSHA regulations.

**ANCHORAGE:** Select an anchorage point that is rigid and capable of supporting the required loads and in the proper location. Fall arrest anchor points must support a minimum of 5000 lbf. per attached worker and be independent of worker support. If unsure that anchorage point is capable of supporting the required loads have verified by a qualified person before use.

**FREE FALL:** Personal fall arrest systems must be rigged to limit any free fall to a maximum of 6 feet and prevent the user from making contact with lower level (OSHA 1926.502). Avoid working above your anchorage level as increased free fall distance will result.

**RESTRAINT SYSTEMS:** Restraint systems must be rigged so that NO vertical free fall is possible.

**FALL CLEARANCE:** Should a fall occur, there must be sufficient clearance in the fall area to arrest the fall before striking the ground or other object(s). See BuckArrest / BuckStop Instructions & Warnings (P/N 230140) for fall clearance calculations.

**SWING FALLS:** Swing falls occur when the anchor location is not directly above the point where a fall occurs. The force of striking an object while swinging can be great and may cause serious injury. Swing falls can be minimized by working as directly below the anchorage as possible (the worker must be positioned within 30 degrees of the anchor point).

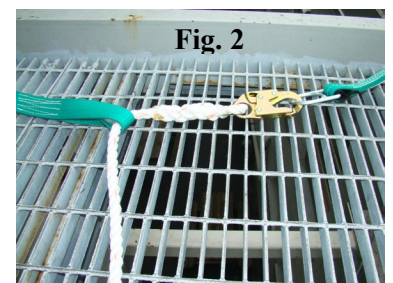
**SHARP EDGES:** Never use where this system (i.e. rope lifeline, energy absorbing lanyard, full body harness, etc.) or other system components will be in contact with, or abrade against unprotected sharp edges corners or abrasive surfaces. Sharp and abrasive surfaces may include but not be limited to (sheet metal, steel, concrete, block, stone, laminated materials etc.)

## INSTALLATION REQUIREMENTS:

**CONNECTING TO ANCHOR POINT:** Connection to the installed anchor point may be made using a Locking Snaphook or Carabiner ONLY.

- NOTES:**
- \* In some cases the Woven Strap with Loop & D-ring may not be required. The Locking Snaphook of the Lifeline may be connected directly to a suitable anchor point.
  - \* In other cases (such as rigging around large structural objects) the Woven Strap with Loop & D-ring may be too short for the D-ring to feed through the Loop as intended in a normal setup (Fig. 1). As an option, the Locking Snaphook of the Lifeline may be connected to the D-ring and the free end of the Lifeline passed through the Loop of the Woven Strap (Fig. 2).

**MAKING CONNECTIONS:** Before use ensure snap hook / carabiner locking mechanism is functioning properly. When making a connection with a Locking Snaphook or Carabiner, visually ensure proper connection has been made to eliminate the potential for accidental disengagement (rollout). Make sure each Locking Snaphook / Carabiner is positioned so that its keeper / gate is never load bearing and there is no pressure on the snap hook locking mechanism sufficient to depress it as this will, due to its length, render it incompatible with currently designed D-rings and make it very susceptible to rollout.



## 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)