

# BUCKINGHAM MFG.

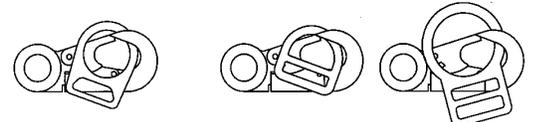
## WARNING (Lanyards)

- ◆ This equipment is intended for use by properly trained professionals only.
- ◆ Manufacturer's instructions shall be provided to the user of this product. If additional copy is needed, contact Buckingham Mfg. Co.
- ◆ 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.
- ◆ Employer - instruct your employees as to proper use, warnings and cautions before use of this equipment.
- ◆ This product is designed to be used by a person with a maximum weight of 350 lbs. when fully equipped.
- ◆ Fall protection equipment, (i.e. fall arrest, work positioning, retrieval, suspension, travel restraint, etc.) should not be resold or provided to others for re-use after use by original user as assurance can not be granted that a used product meets criteria of applicable standards and is safe for use to a subsequent user.
- ◆ Selection of products should be such that they aid the worker in the performance of their job and particular work situation. Therefore, be certain this equipment is suitable for the intended use and work environment. It should only be used as personal protection equipment. If suitability for intended use is questionable, always consult your Supervisor, Safety Director or contact Buckingham Mfg. at (607) 773-2400 or 1-800-937-2825.
- ◆ Destroy any and all equipment subjected to impact loading.
- ◆ As outlined by OSHA 1926.502 (e)(2) positioning devices shall be secured to an anchorage capable of supporting at least twice the potential impact load of an employee's fall or 3,000 lbf. (13.3 kN), whichever is greater versus fall arrest anchor points which must support a minimum of 5,000 lbf. (22.2 kN) per attached worker and be Independent of worker support.
- ◆ Always attach the snap hook / carabiner of one end of the connecting device to a proper anchor point and the opposite end to the fall protection equipment attachment element. (For example: fall arrest; designated rear D-ring attachment of the personal fall arrest system; Suspension: designated seat strap or other proper D-rings, etc).
- ◆ If connecting to a personal fall arrest system by attaching directly through the web loop of an energy absorber, carefully inspect the inside of web loop for cuts, abrasions, broken strands, or excessive wear.
- ◆ No fall protection system can guarantee that you will not sustain injuries should a fall occur. Therefore, lanyards should be kept as short as possible to minimize fall distance.
- ◆ OSHA specifies that personal fall arrest systems, when stopping a fall, limit arrest force to a maximum of 1800 lbf. (8 kN) when used with a harness, be rigged such that free fall does not exceed 6 feet nor allow contact with any lower level and limit maximum deceleration distance of the energy absorber to 3.5 feet.
- ◆ **WHEN DETERMINING TOTAL FREE FALL DISTANCE, ROPE ELONGATION MUST BE TAKEN INTO ACCOUNT.**  
To determine total free fall distance, add rope stretch factor to initial lanyard length.

Stretch factor (% of initial lanyard length)	Nylon:	36%
(Approximate)	Multiline:	14%
	Dacron:	14%
- ◆ For fall arrest, always keep anchor point above rear D-ring. If climbing above anchor point, attach to a new anchor point higher up. When anchor point to allow for connection above the fall arrest attachment device is not available, connecting device must be such that free fall arrest force and deceleration distance complies with the OSHA requirements stated above.
- ◆ Always work directly under fall arrest anchor point to avoid swing fall injuries (pendulum effect).
- ◆ Fall Restraint: Fall restraint systems generally include an anchor point, a full body harness and a lanyard to prevent the user from reaching a fall hazard location (leading edge of roof etc.). No vertical free fall permitted.
- ◆ **Note:** If using a rope grab with this lanyard ensure it is compatible with the lanyard material, type and diameter before use! Additionally, ensure the requirements included with the rope grab are properly followed.
- ◆ Never wrap a rope/webbing lanyard around a beam or other sharp structural member. The material could be cut or damaged.
- ◆ Avoid contact of this equipment with high temperature surfaces, welding or other heat sources.
- ◆ Use PPE equipment only for the specific purpose for which it is designed and intended.
- ◆ Never use this product as a tie back type unit unless it is equipped with tie back type snaphooks / carabiners.

- ◆ Always visually check that the snap hook / carabiner freely engages D-ring or anchor point and keeper / gate is completely closed with each use. Never rely solely on the feel or sound of a snap hook / carabiner engaging.
- ◆ Use only with product meeting standards for intended use.
- ◆ Before each use check that: 1) unit is free of burns, cuts, abrasions, kinks, knots, broken strands and excessive wear. 2) snap hooks / carabiners, D-rings and buckles (if any) are not distorted or cracked. 3) keeper / gate is not bent, is free of burrs, clean and functioning properly. 4) Rope, webbing and rope or webbing stitching or rope splice and all whipped ends are free of defects. Remove from service, destroy and discard unit if it does not pass this inspection and replace immediately
- ◆ Make sure each snap hook / carabiner is positioned so that its keeper / gate is never load bearing.
- ◆ For personal use only. NOT for towing or hoisting.
- ◆ Unless the snap hook is a locking type and designed for the following connections, snap hooks shall not be engaged:

- directly to webbing, rope or wire rope,
- to each other - they are not intended to be used that way and could twist apart,
- to a dee ring to which another snap hook or other connector is attached,
- to a horizontal lifeline,
- to any object which is incompatibly shaped or dimensioned in relation to the snap hook such that the connected object could depress the snap hook keeper a sufficient amount to cause it to release. (See Illustration)



Incompatibly Dimensioned

Incompatibly Shaped

- ◆ Before use ensure snap hook / carabiner locking mechanism is functioning properly.
- ◆ Lubricate lock mechanism and keeper on both sides of snap hook at least weekly or as often as required to maintain smooth operation (no binding) with light weight lubricant such as WD-40®.
- ◆ Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. Co. may make repairs / modifications to this equipment.
- ◆ Never disable locking mechanism of the snap hook / carabiner, punch holes in or alter a connecting device in any way.
- ◆ Never tie knots in lanyards. Knots can reduce the strength of the lanyard up to 50%.
- ◆ Ensure 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.
- ◆ Never work without independent fall-arrest protection if there is danger of a fall.
- ◆ Product covered under these instructions / warnings should not be resold / redistributed or reused after use by original user.
- ◆ Product manufactured to meet applicable criteria of OSHA 1926.502 (d) & (e).

**Cleaning:** Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. Lanyards 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:** Ensure proper fit / size of product before use. This product can not be returned unless it is in new / unused condition.

**BUCKINGHAM MFG. CO., INC.**  
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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.