

# BUCKINGHAM MFG.

## WARNINGS / INSTRUCTIONS

### RATCHETING BOOM STRAP (MODEL NO. 3809R) FRICTION BUCKLE BOOM STRAP (MODEL NO. 3809)

#### WARNINGS

- 1) **Read understand and follow all instructions and warnings attached to and/or packed with this product before installation and use.**
- 2) This equipment is intended for use by properly trained professionals only.
- 3) This product is designed to be used by a person with a maximum weight of 350 lbs. when fully equipped.
- 4) 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.
- 5) Be certain this equipment is suitable for the intended use and work environment. It should only be used as personal protection equipment (PPE). If suitability for intended use is in doubt, consult a safety engineer or contact Buckingham Mfg. before using.
- 6) **Use this product only with locking snap hook / carabiner.**
- 7) This temporary anchorage connector shall not be attached to more than one personal fall arrest system.
- 8) OSHA requires that impact force in a fall NOT exceed an 1800 lb. limit with a harness. Keep connecting device slack to a minimum or use a deceleration unit to stay under these limits.
- 9) Rig to avoid contact with structures below in a fall.
- 10) Always keep anchor point above rear D-ring of your personal fall arrest unit.
- 11) Always work directly under fall arrest anchor point to avoid swing fall injuries (pendulum effect).
- 12) Use PPE equipment only for the specific purpose for which it is designed and intended.
- 13) Employer- instruct all employees as to proper use and warnings before use of equipment.
- 14) Product must not be altered in any way.
- 15) Equipment subjected to impact loading must be immediately removed from service, destroyed and discarded.
- 16) Fall arrest anchor points must support a minimum of 5,000 lb. (2,250 Kg) per attached worker and be independent of worker support. Positioning, suspension and retrieval anchor points must support your weight plus any additional job related load.
- 17) Avoid contact of this equipment with electrical hazards and moving machinery as well as chemicals, high temperature surfaces, welding or other heat sources which may damage the material.
- 18) Use this product only with fall protection equipment meeting applicable ANSI and OSHA standards.
- 19) Inspect prior to each use. Inspection should include but not be limited to ensuring that: 1.) ratchet mechanism is functioning properly. 2.) the attachment strap is free of burns, cuts, abrasions, kinks, knots, broken strands and excessive wear. 3.) ratchet, friction buckle and D-ring are not distorted, cracked or bent and are free of burrs, clean and functioning properly. 4.) unit has no signs of impact loading or any other defects.
- 20) Always visually check that the snap hook / carabiner freely engages D-ring or anchor point and the keeper / gate is completely closed with each use. Never rely solely on the feel or sound of the snap hook / carabiner engaging.
- 21) Ensure snap hooks / carabiners are positioned so that their keepers / gates are never load bearing.
- 22) 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.
- 23) Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.

#### INSTALLATION INSTRUCTION: (Ratcheting Boom Strap - Model No. 3809R)

- 1) Place the boom strap at a desired location on the boom. (For installation on a square boom, ensure ratchet lies against the flat surface).
- 2) Wrap the attachment strap around the boom with the rubber side of the strap against the boom.
- 3) Slide the D-ring along the attachment strap so that it will be properly aligned with its intended connecting device.
- 4) Make sure the strap lies flat against the boom without any twists.
- 5) Thread the free end of the attachment strap through the slot in the winder bar of the ratchet.  
Eliminate slack by pulling webbing through the winder bar until desired length is obtained. (see Fig. 1)

**OVER**

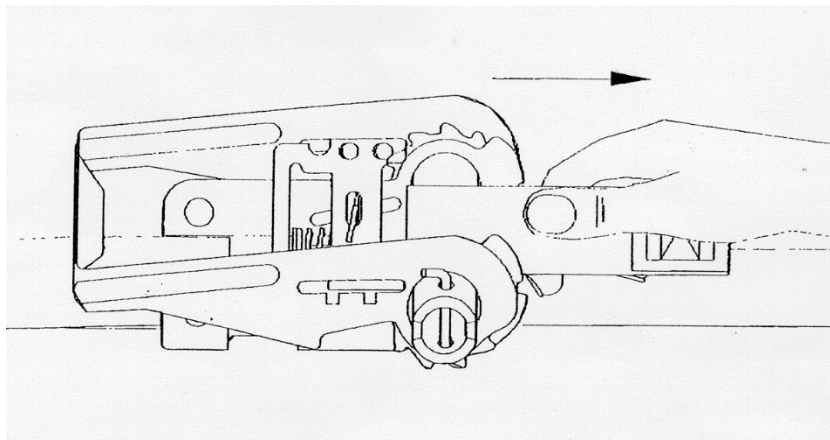


Fig. 1

- 6) Tighten the strap by gripping the ratchet handle and pumping it until the strap is sufficiently snug (to prevent the unit from moving when in use). A minimum of 2 full wraps of webbing should be around the winder bar after tightening. Care should be taken not to place an excessive number of wraps around winder bar as this may cause jamming. (see Fig. 2).

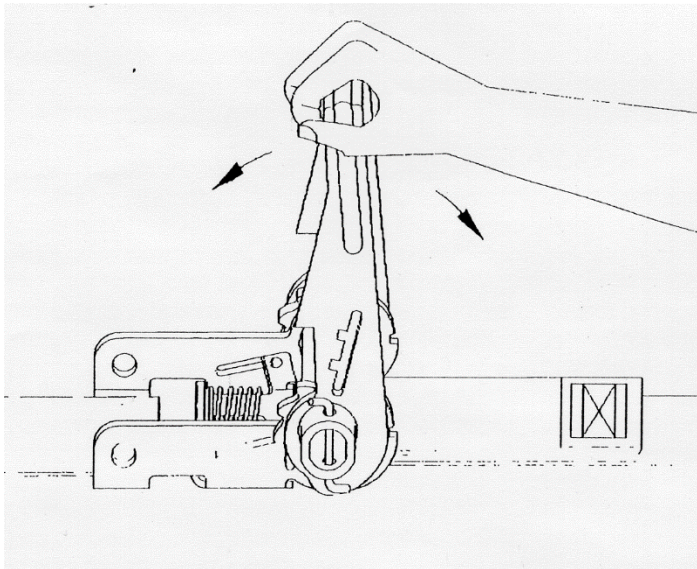


Fig. 2

- 7) Upon completion of step 6, pull back on the spring loaded handle pawl and rotate the ratchet handle fully counterclockwise ensuring it is in the full down position. (Fig. 2).

**NOTE:** When tight the excess strap may be cut off, however leave approximately 6" protruding from the ratchet. Singe the cut end of the strap to prevent fraying.

### **TO RELEASE**

Pull back on the spring loaded handle pawl and rotate the handle up and over to a fully open flat position (Fig. 3) and pull the webbing from around the winder bar.

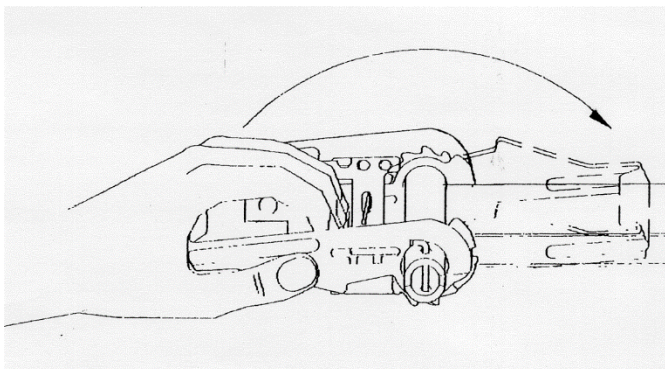


Fig. 3

**OVER**

## **INSTALLATION INSTRUCTION:** (Friction Buckle Boom Strap - Model No. 3809)

- 1) Place the boom strap at a desired location on the boom. (For installation on a square boom, ensure friction buckle lies against the flat surface).
- 2) Wrap the attachment strap around the boom with the rubber side of the strap against the boom.
- 3) Slide the D-ring along the attachment strap so that it will be properly aligned with its intended connecting device.
- 4) Make sure the strap lies flat against the boom without any twists.
- 5) Weave the billet end of the boom strap through the friction buckle as shown in the 3 steps of Fig. 4.
  - A. From the rear of the friction buckle insert the billet end of the boom strap through the center slot of the friction buckle as shown in step B.
  - B. Push the slide bar of the friction buckle to the left then loop the boom strap around the slide bar and pull back through the rear of friction buckle as shown in step C.
  - C. Grasp the billet end of the boom strap and pull snugly to ensure the boom strap is secured.

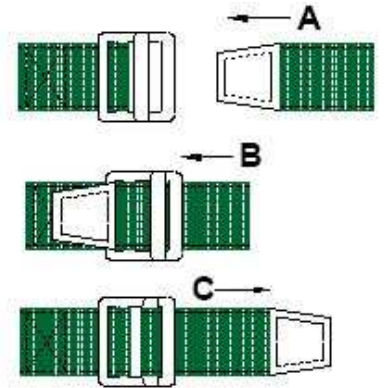


Fig. 4

**NOTE:** When tight the excess strap may be cut off, however leave approximately 6" protruding from the friction buckle. Singe the cut end of the strap to prevent fraying.

## **INSPECTION:**

**NOTE:** Boom strap as well as all other related equipment should be thoroughly inspected prior to each use. Inspection should include but not be limited to performing a visual examination of the attachment strap, ratchet mechanism, friction buckle and all other components for damage, corrosion, deterioration, improper attachment and proper function.

Ensure the system is in good working order. If there is any question about the condition of any component of the system, discard the unit and replace with a new unit.

## **Cleaning**

Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance.

Webbing should be cleaned with mild soap and water and be allowed to air dry thoroughly without using excessive heat. Do not use any type of corrosive substance or acid, which will gradually eat away the fabric.

**NOTE:** Ensure proper fit / size of product before use. This product can not be returned unless it is in new / unused condition.

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