BUCKINGHAM MFG.

INSTRUCTIONS / WARNINGS 483 / 484 SERIES - BuckSqueeze

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.

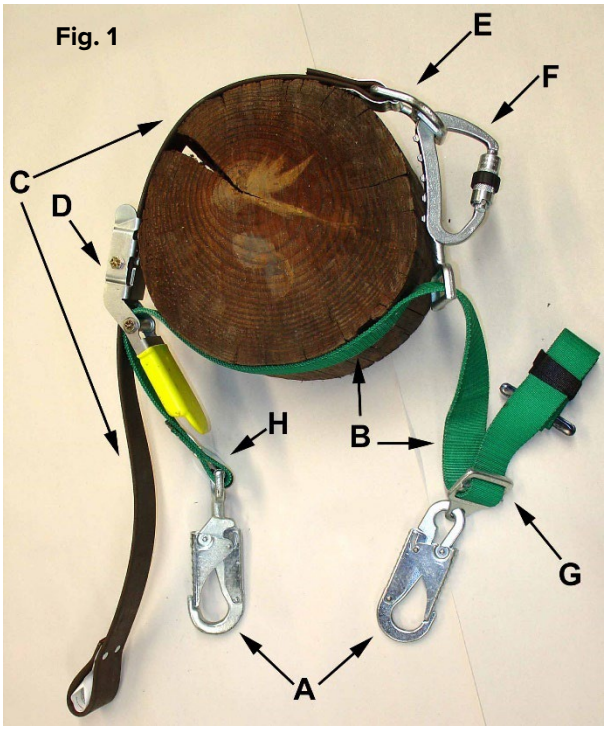
DESCRIPTION:

- Model 483 Series – Wood Pole Fall Restriction Device (WPFRD) for Distribution Poles (Model 483D for distribution poles up to a 50" circumference).
- Model 484 Series – Wood Pole Fall Restriction Device (WPFRD) for Transmission Poles (Model 484T for transmission poles up to a 90" circumference).

The BuckSqueeze is Buckingham's Wood Pole Fall Restriction Device featuring enhanced work positioning capabilities. With cutouts being a leading cause of injuries to line technicians, Buckingham Mfg. Co., with the input of actual line technicians, has developed the Model 483 and 484 series wood pole fall restriction devices that squeeze the pole in the event of a cutout or fall while in the elevated position. The BuckSqueeze, cinches tightly around the pole, using the users weight, to minimize fall distance in the event of a cutout or slip while ascending or descending a pole. Fall distance may vary based upon adjustment, pole condition and the environment in which this product is being used. When adjusted and used in accordance to the Instructions outlined below, fall distance will not exceed that permitted for the Type 'AB' unit and defined by the ASTM F887 and CSA Z259.14 standards (round poles only). (NOTE: Units manufactured prior to 2/10 and without the Cleat and Serrated Rotosnap require the use of the BuckTooth or BuckWheel to comply with ice pole referenced fall distances.) Examples of reasons why falls from poles, which result in serious injury or fatality, occur are: user error, climbing around obstructions, fatigue, electrocution, wood rot, previous gaff holes, a crack in the pole or a gaff hitting a foreign object like a nail or screw. The BuckSqueeze if used properly will greatly reduce fall distance that can occur from these hazards.

COMPONENT DESCRIPTION: (Model 483 shown)

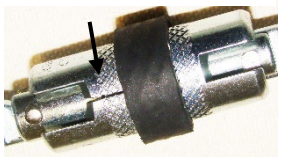
Fig. 1

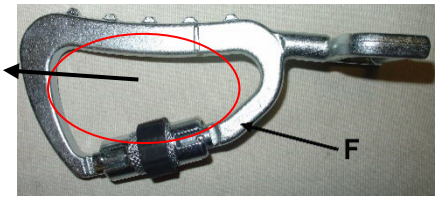


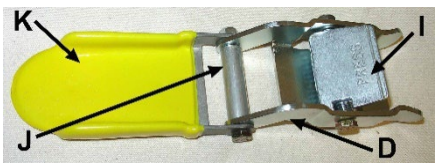
A - Locking Snaphooks x 2 (Fig. 1 & 5)
B - *Inner Strap (Woven Web – Fig. 1)
C - Outer Strap (Brown Neoprene Impregnated Nylon - Fig. 1)
D - Channel Handle / Cam Assembly (Fig. 1 & 2)
E – 3 Slot Dee Ring (Fig. 1 & 3)
F - Serrated Rotosnap with Spring Retention Slot (Fig. 1 & 4)
G – Friction Buckle (Fig 1 & 5)
H - Metal Strap End Clip with Rivets (Fig. 1)
I – Cam Buckle (Fig. 2)
J – Roller (Fig. 2)
K - Channel Handle (Fig. 2)
L – Cleat (Fig. 6) (Do Not Remove)

NOTE: *Inner strap of Model 483 is green woven nylon.
Inner strap of Model 484 is yellow woven nylon.

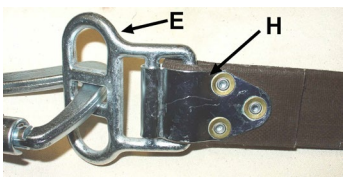
Serrated Rotosnap with Spring Retention Slot (Fig. 4)



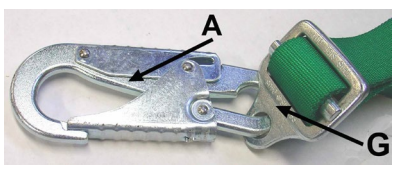




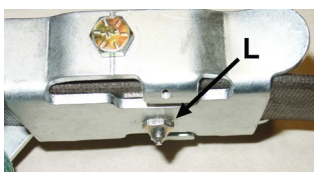
Channel Handle / Cam Assembly shown without straps (Fig. 2)



3 Slot Dee Ring & Metal Strap End Clip with rivets, one shown (Fig. 3).



Locking Snaphook to Friction Buckle with linkless connection (Fig. 5)



Cleat (Fig. 6)

PRIOR TO USE:

- This equipment is intended for use by properly trained professionals only.
- Know the job and the regulations governing performance requirements and select the proper equipment.
- Manufacturer's instructions shall be provided to users with this product. Read all instructions and warnings provided by Buckingham and included with the product.
- Wood Pole Fall Restriction Devices must be in proper adjustment before use.
- All Wood Pole Fall Restriction Devices MUST BE properly adjusted and used in accordance with the manufacturer's instructions to function as designed and intended. Failure to do so could result in serious injury or death.
- Visually inspect the BuckSqueeze and all related equipment before each use. (See inspection below).

INSPECTION:

Prior to use, carefully inspect equipment for indications of wear and / or deterioration. The inspection should include, but not be limited to the following:

Fig. 7 Cleat not shown for clarity purposes

1. All hardware and connecting devices are clean and functioning properly, are free of cracks, deformation, burrs, excessive wear, or modifications. Also that:
   - Snaphooks: comply with Locking Snaphook Inspection Procedure (located on the last page of this document).
   - Serrated Rotosnap: gate freely opens and closes without binding. Note: the gate of the Serrated Rotosnap is manufactured with a spring retention slot. Ensure this slot is free from debris as this may cause the gate to bind. Ensure the rubber grip attached to the gate of the Serrated Rotosnap is centered in the knurled section of the gate as shown on page 1.
   - Roller of Channel Handle / Cam Assembly is securely fastened but freely rotates, all nyloc nuts are in place and securely tightened and frame is not bent or bowed (See Fig. 7).
   - For models manufactured 2/10 and later: The Cleat is securely in place in the the Channel Handle / Cam Assembly. Do Not Use if this cleat is missing as unit will not function as designed.
   - Cam Buckle locks so that there is no slippage when the Outer Strap (brown neoprene impregnated nylon) is pulled in the direction away from the Channel Handle. Ensure the knurling of the Cam Buckle is not worn and that the Cam Buckle cannot rotate more than 30° if pushed upwards towards the Channel Handle. Friction Buckle securely grips the Inner Strap webbing when under tension. Note: When using the BuckSqueeze on poles that contain excessive amounts of preservatives (such as but not limited to, Penta Solution) it is possible for the inner strap webbing to become saturated, causing the webbing to gradually creep through the buckle when under tension. If this condition exists, thoroughly clean the webbing using Rainbow Cleaner Degreaser (PN 4305). See Cleaning section for more detailed instructions pertaining to precautions and proper use of Rainbow Cleaner.
   - Metal Strap End Clip Rivets are properly peened and tight and hardware is secured to the strap.
2. Bolt Inspection: Component connecting bolts and frames have been designed and manufactured from hardened steel to minimize the possibility of excessive wear and or damage. Evidence of bolt wear may be indicated by excessive play between the bolt and mounting holes. Evidence of bent bolts may be indicated by sticking or binding Roller or Cam Buckle. Roller and Cam Buckle should freely rotate around bolts when bolts are held in place. If evidence of wear or damage are present or you are unsure, the unit should be removed from service and returned to Buckingham Mfg. for inspection.
3. All straps are free from obstructions including kinks, knots, cuts, cracks, burns, abrasions, broken strands, excessive wear, chemical exposure and ice, mud, snow, etc. buildup. If buildup on straps or component assemblies is noted, remove buildup. One method of removal from the straps is to run the 'Cam Buckle' along the length of the outer (brown) strap or the 'Friction Buckle' along the length of the inner (woven) strap. Ensure component assemblies are clean and free of any debris. **NOTE: Prior To and While in Use**, **particularly in extreme weather conditions (i.e. blizzards, high winds, etc.) -** guard against debris (pebbles, twigs, packed snow, ice, mud, etc.) becoming lodged in any of the component assemblies as well as any buildup on the straps, as debris / buildup could block or restrict proper function. If noted, ensure unit is cleared. Test for slippage by connecting and properly adjusting the BuckSqueeze to the pole and your body belt. While grasping the pole, shift your weight into the BuckSqueeze. The BuckSqueeze should cinch tightly around the pole verifying its adequacy for ascent or descent.
4. Both the Inner and Outer Straps are not worn to the point of showing the red warning center.
5. If using a retractable lanyard (P/N 5008) with the WPFRD for, see 5008 instructions (PN 230159) supplied with product.
6. If using a woven positioning strap with the WPFRD, see positioning strap instructions (PN 230193) supplied with product.
7. If using a Buck-A-Juster (rope positioning / restraint line) with the WPFRD, see Buck-A-Juster instructions / warnings (PN 230194) supplied with product.

Remove from service, destroy, discard and replace immediately any unit that does not pass the above inspection.

OPERATION:

Fig. 8

1. **HOW TO MOUNT THE BUCKSQUEEZE ON THE BODY BELT:**
   The user must connect the Inner Strap (green or yellow woven web) locking snaphooks to each of the body belt dee rings (Fig. 8).

2. **HOW TO MOUNT THE BUCKSQUEEZE ONTO THE POLE TO BEGIN:**
   The BuckSqueeze can be mounted on the pole for either a left hand or right-hand person. The user can hold the Serrated Rotosnap in either the right or left hand and the Channel Handle in the opposite (Fig. 9). With the Serrated Rotosnap disconnected from the 3 Slot Dee Ring, wrap the Outer Strap around the back of the pole and connect the Serrated Rotosnap to the 3 Slot Dee Ring. **Notes:** Proper operation requires gate to be fully rotated prior to opening. See section 13 for additional instructions pertaining to poles covered with steel mesh (also known as bird wire) or excessively splintered.

Channel Handle / Cam Assembly mounted on the left side of the pole. →

Serrated Rotosnap mounted on the left side of the pole. →

Fig. 9 - Users choice.

NOTES: The center rectangular slot of the 3 Slot Dee Ring is the primary connection point. The outer two circular slots are intended to be used for limited circumstances such as transitioning beyond an obstruction and when it is extremely difficult to connect into the rectangular center slot. The two outer circular slots are not intended to be used as continuous connection points of the dee ring.

To aid in connecting the Serrated Rotosnap to the center rectangular slot of the 3 Slot Dee Ring:

a.) Adjust the WPFRD by compressing the Cam Buckle and lengthening the Outer Strap.
b.) Rotate the Outer Strap to a position that allows the center rectangular slot of the 3 Slot Dee Ring to be visible and accessible for connection around the pole. Attach the Serrated Rotosnap to the center slot.
c.) Rotate back to proper position and re-adjust ensuring the hardware is properly adjusted to the 3:00 & 9:00 o'clock positions.

3. HOW TO ADJUST THE LENGTH OF THE OUTER STRAP:

Once the BuckSqueeze is fastened around the pole, the position of the hardware components on the pole is critical for proper operation. The frame of the Channel Handle / Cam Assembly has been manufactured with a machined slot located at the Cam Buckle Bolt and the Serrated Rotosnap is manufactured with a raised rib near the second serration from the webbing slot. The slot and rib are designed to be used as hardware locator markings to help indentify proper placement of the BuckSqueeze on the pole. (See photos below).

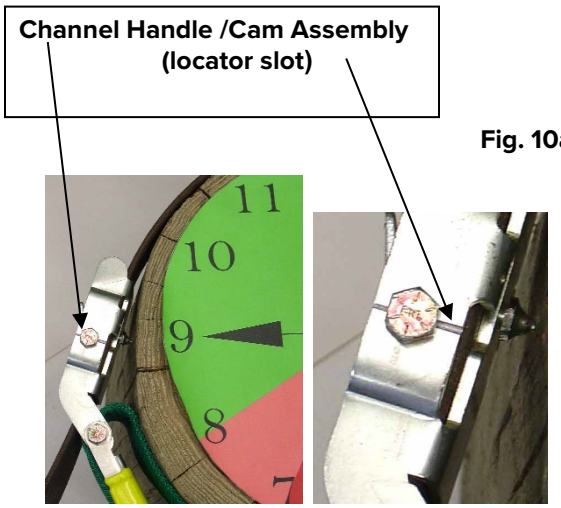


Fig. 10a

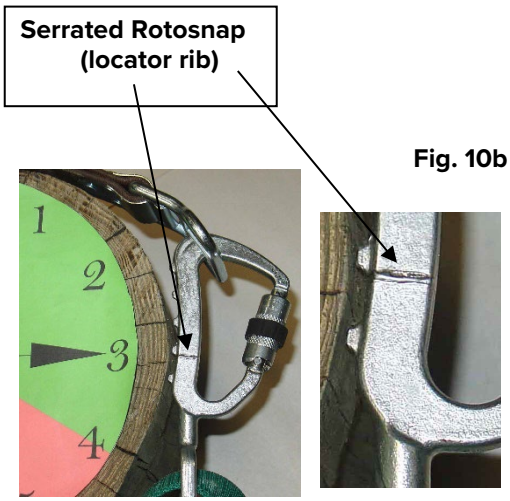


Fig. 10b

Consider the circumference of the pole to be the face of a clock. Place the locator slot of the Channel Handle / Cam Assembly at the 3:00 or 9:00 o'clock position on one side and the locator rib of the Serrated Rotosnap at either the 3:00 or 9:00 o'clock position on the opposite side. (See Figures 10a & 10b)

Ideal Placement – 3 and 9 o'clock positions. Never allow locators to fall within the hazardous zone defined by the 4:00 to 8:00 o'clock positions. (See Figures 11 & 12)

Fig. 11

To adjust the Outer Strap (brown neoprene impregnated nylon) to the proper circumference, compress the Cam Buckle and move the Outer Strap until the hardware is properly located on the pole as outlined in Figures 10a, 10b and 11.

Two important reasons to properly adjust the hardware around the pole are:

a.) In the event of a cut out, if the hardware can come together it will not squeeze the pole and will not stop the fall.

b.) Comfort. If the hardware is mounted on the sides of the pole at the (3:00 and 9:00 o'clock position), the Inner Strap comes straight out (Fig. 13), eliminating the small 'V' created (Fig. 14) if the hardware is positioned beyond the halfway point and reduces pressure on the hips.

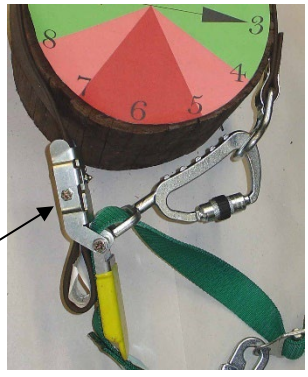


Fig. 12

Fig. 13
Correct

Fig. 14
Incorrect

4. HOW TO ADJUST THE INNER STRAP: (GREEN OR YELLOW WOVEN WEB)

a.) The Inner Strap should be continually snug around the pole at all times. To make the strap longer (to go out to the end of a cross arm or to put the user further away from the pole) place one hand behind the pole and lean slightly toward the pole taking tension off the strap then pull back on friction buckle while applying outward pressure until you pull enough strap through the Friction Buckle to have the desired length (Fig. 15).

Fig. 15

b.) To shorten the Inner Strap, place one hand behind the pole and lean slightly toward the pole taking tension off the strap and with the other hand, grab the end of the strap pulling it through the Friction Buckle toward the pole, until you have the desired length (Fig. 16).

Fig. 16

5. HOW TO ADJUST THE BUCKSQUEEZE TO CLIMB:

- Attach both locking snaphooks of the BuckSqueeze to the dee rings of your body belt ensuring the keepers are completely closed and facing outward.
- Place the BuckSqueeze around the pole so the position of the locators of the two hardware components are at the 3:00 and 9:00 position
- While standing on the ground at the base of the pole and the BuckSqueeze even with the dee rings of your body belt, adjust the inner strap (woven web) so you are in an ideal climbing position. This is typically measured by placing your elbow into your stomach with fingers outstretched touching the pole.

6. HOW TO HOLD THE BUCKSQUEEZE WHEN READY TO CLIMB:

a.) Just prior to initiating the climb, grasp the Channel Handle / Inner Strap in one hand (Fig. 17), and the Serrated Rotosnap in the other hand (Fig. 18). Spread the hardware approximately 1" away from the pole and lift the BuckSqueeze to chest height. (NOTE: the BuckSqueeze should be snug).

Fig. 17

Fig. 18

7. HOW TO HITCHHIKE:

a.) To initiate the ascent, set the 1st climber gaff approximately 10" up and the 2nd climber gaff approximately 10" above the first. Then with the gaffs set, flip the BuckSqueeze up to chest height using either forearm and elbow motion or shoulder and arm motion.

b.) With the BuckSqueeze cinched around the pole at chest height take a short step or two with climbers to ascend. Then with the gaffs set, again flip the BuckSqueeze up to chest height. Repeat procedure until reaching desired position.

Note: The inner strap (woven web) must always be snug around pole when climbing. In addition shortening the green or yellow woven strap so that the user is closer to the pole and by flipping the BuckSqueeze shorter distances make climbing less strenuous. Flipping the strap approximately the same distance that you can bend your elbows may reduce stress on your body.

Fig. 19 - waist →

Keep BuckSqueeze between the waist and chest as you hitchhike. (Fig. 19 & 20)

Fig. 20 - chest →

8. ADJUSTING THE CIRCUMFERENCE OF THE BUCKSQUEEZE

a.) Pole circumference changes encountered as you ascend or descend the pole requires outer strap length adjustment to keep the hardware locators in the 3 and 9 o'clock positions.

b.) To shorten, pull the end of the Outer Strap away from the pole as you push the Channel Handle / Cam Assembly toward the pole (Fig. 21).

c.) To lengthen, while applying outward pressure on the BuckSqueeze, slightly depress the Cam Buckle with the palm of your hand until reaching the correct position (Fig. 22).

Fig. 21 - To Shorten

Fig. 22 - To Lengthen

9. LANYARD OPTIONS FOR CLIMBING OVER OBSTRUCTIONS

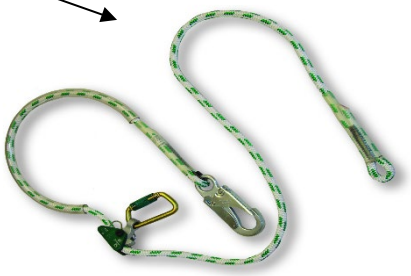
a.) When the user ascends or descends the pole and comes to an obstruction, a secondary lanyard is required. Buckingham offers three options:

i. Option 1 is a Buck-A-Juster adjustable positioning lanyard with a length adjustment device.

ii. Option 2 is a woven web strap with friction buckle adjustment

iii. Option 3 is a Buck Leverjust.

Option 1



Option 2

Option 3

10. HOW TO CLIMB OVER AN OBSTRUCTION DURING AN ASCENT WITH A SECONDARY LANYARD OR STRAP.

Ensure secondary lanyard device is properly attached to body belt. (Always read carefully, understand and heed all instructions and warnings included with that device before using this equipment). To ease transitioning over obstructions, step up the pole so chest position is approximately at the same height as the top of the obstruction.

a.) With obstruction at approximately chest height, adjust secondary lanyard to length so that it will pass around the pole, over the obstruction (Fig. 23). If using a retractable, extract webbing from the retractable housing using two hands, one on the snaphook or carabiner and the other assisting the webbing.

Fig. 23

b.) Place the secondary lanyard around the pole, **over** the obstruction and connect the snaphook or carabiner back to the body belt dee ring. Take a couple of steps up and minimize the fall distance by re-adjusting the length of the secondary lanyard (Fig. 24). If using a retractable, lock the retractable with a quick tug on the web.

Fig. 24

c.) Once the secondary lanyard is secured **over** the obstruction, adjust the WPFRD by compressing the Cam Buckle and lengthen the Outer Strap to disconnect the Serrated Rotosnap from the 3 Slot Dee Ring (Fig. 25).

Fig. 25

d.) Disconnect the Serrated Rotosnap from the 3 Slot Dee Ring and place the outer and inner strap of BuckSqueeze on top of the secondary lanyard so both hands are free (Fig. 26).

Fig. 26

e.) Place Outer Strap and Serrated Rotosnap around the pole and over the obstruction and reconnect the BuckSqueeze above both the obstruction and the secondary lanyard (Fig. 27).

Fig. 27

f.) Adjust the Outer Strap so the hardware locators are at the 3 and 9 o'clock positions (Fig. 28) ensuring that the Inner Strap is snug to the pole as shown (Fig. 29). (See instruction 3 for more details).

Fig. 28

Fig. 29

g.) Once the BuckSqueeze is properly secured, lengthen the adjustment of the secondary lanyard transferring your weight back into the BuckSqueeze, then disconnect the secondary lanyard above the obstruction and continue the ascent.

11. HOW TO DESCEND PAST AN OBSTRUCTION WITH A SECONDARY LANYARD OR STRAP.

(Read carefully, understand and heed all instructions and warnings included with that device before using this equipment).

Fig. 30

a.) As the user descends and comes to an obstruction (Fig. 30), adjust secondary lanyard to length so that it will pass around the pole, over the obstruction and back to the opposite side body belt dee ring. Then simply secure the secondary lanyard around the pole and **above** the obstruction and **below** the BuckSqueeze (Fig. 31). If using a retractable lanyard, extract webbing from the retractable housing using two hands, one on the snaphook or carabiner and the other assisting the webbing.
b.) Connect the secondary lanyard snaphook or carabiner back to the body belt dee ring.
c.) Minimize the fall distance by re-adjusting the length of the secondary lanyard. If using a retractable, lock the retractable with a quick tug on the web.
d.) With the secondary lanyard secured, compress the BuckSqueeze Cam Buckle to lengthen the Outer Strap of the BuckSqueeze to ease removal.
e.) Disconnect the BuckSqueeze Serrated Rotosnap from the 3 Slot Dee Ring.
f.) Refasten the BuckSqueeze below the obstruction.
g.) Readjust the BuckSqueeze so the hardware locators are set at the 3 and 9 o'clock positions and readjust the Inner Strap until snug (See instruction 3 & 4 for more details).
h.) Lengthen the adjustment of the secondary lanyard transferring your weight back into the BuckSqueeze
i.) Disconnect the secondary lanyard from above the obstruction and continue the descent.

Fig. 31

12. HOW TO PERFORM A HURTMAN RESCUE

Note: Extreme caution must be taken when practicing or performing hurt man rescue as the rescuer may need to position their SuperSqueeze / EZSqueeze, near the victims. Always visually ensure the strap you are about to cut is that of the victim's unit not yours. Keep your unit as for from the victims as possible.

a.) Once the victim has been secured using the method described by users employers safety practice, either the Outer Strap (brown neoprene impregnated nylon) or the Inner Strap (woven web) may be cut to release the victim from the pole.

b.) Generally, the Inner Strap will have a gap and be easier to cut (See Fig. 32).

c.) Ensure the victim has been properly secured as outlined by users employers safety practice prior to cutting either strap.

Example: Cut Strap here for hurt man rescue

Fig. 32

13. Instructions for using the BuckSqueeze to climb wood poles wrapped in bird wire or a pole with a significant amount of gaff splinters.

a). to initiate the climb, grasp approximately 2" of inner woven nylon between your fingertips and the Channel Handle.

b). to climb, spread Channel Handle and Serrated Rotosnap just far enough apart to clear the bird wire or splinters and advance the BuckSqueeze up to approximately chest height which will tighten the inner woven web strap on pole and set BuckSqueeze.

c). Using your gaffs, take two steps up the pole until BuckSqueeze is approximately even with your waist. Then with your gaffs set firmly in the pole, repeat step 2 as necessary to complete ascent.

Notes: When BuckSqueeze is moving, gaffs must be set. When gaffs are moving BuckSqueeze must be set. (2" grasp as stated in step one can still be maintained after BuckSqueeze is set) Bird wire creates the potential for the Cleat to snag when flipping the outer strap (see No. 2. above).

14. Instructions for using the BuckSqueeze with a hand line.

Under certain circumstances a hand line may come into contact with the gate of the Serrated Rotosnap (Fig. 33). Pulling the hand line up under these circumstances, may cause the gate to rotate and open thus allowing the hand line to transfer inside the Serrated Rotosnap (Fig. 34). Although inconvenient, we do not believe it to be a safety hazard. The hand line can be easily removed and repositioned from the Serrated Rotosnap.

Fig. 33

Fig. 34

If using a hand line attached directly to the pole while using the BuckSqueeze, one of the following actions can be initiated to eliminate the aforementioned potential:

a. Position the Serrated Rotosnap opposite the hand line.
b. Shift the position of the Serrated Rotosnap forward or backwards (while maintaining proper adjustment).
c. Reposition the hand line so it does not come into contact with the gate of the Serrated Rotosnap.

15. Instructions for using the BuckSqueeze on Engineered Laminated Wood Poles (E-Lam Poles).

The BuckSqueeze (models manufactured 2/10 and later) have been tested in accordance to applicable dry pole / wet pole test sections of the ASTMF887 standard (type A criteria) using an approximately 8 ½" x 10 ½" section and 12 1/4" x 21" section of an E-Lam pole.

Based on these test results and previous testing we have approved the BuckSqueeze for use on these types of poles only when the unit is placed at waist level or above and used by a worker with a maximum weight of 350 lb. when fully equipped. Additionally, placement of the unit on these types of poles needs to be specific in order for the system to adequately perform. When the BuckSqueeze is positioned on the pole with the corner of the pole towards the climber, the backbone of the Serrated Rotosnap must be positioned on the corner of the pole and the Cleat just in front of the opposite corner as shown (Fig 35).

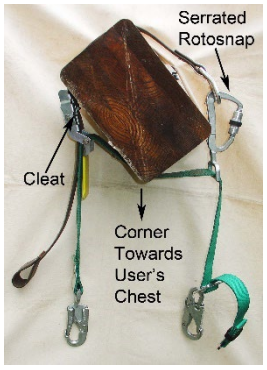


Fig. 35

Fig. 36

Note: When climbing with the corner of the pole centered to your chest your gaffs should stagger the pole corner as shown (Fig. 36).

BuckSqueeze manufactured prior to 2/10 are not to be used on E-Lam poles.

Cleat: - The Cleat is located in the Channel Handle / Cam Assembly for those models manufactured 2/10 and later. This cleat provides enhanced gripping capabilities to the BuckSqueeze when being used on poles exhibiting conditions such as wet, slick, conduit covered, iced poles or E-Lam poles.

To tighten, if cleat is loose or missing (models manufactured 2/10 through 10/13) hold the BuckSqueeze bracket so that the flat edge is facing up. Using a 3/8" wrench over the cleat's hexagonal shoulder, tighten the cleat until the bottom of the shoulder is in contact with the Channel Handle/ Cam Assembly frame. Tighten snuggly, do not over – tighten. All models manufactured 11/13 and later are factory equipped with a permanently installed cleat in the cam frame thus eliminating the potential for it to loosen or to be removed without damage to the cleat or cam frame.

16. Instructions for using the BuckSqueeze on Wood Poles with U-shaped guard / conduit attached

The BuckSqueeze has been tested in accordance to applicable wet pole with conduit test sections of the ASTM F887-23 and CSA Z259.14-12 standards (type A criteria) using a 3 3/4" maximum U – shaped galvanized steel guard mounted to the pole (as shown in Fig. 37) to simulate pole conditions with both U-shaped guards and conduit attached.

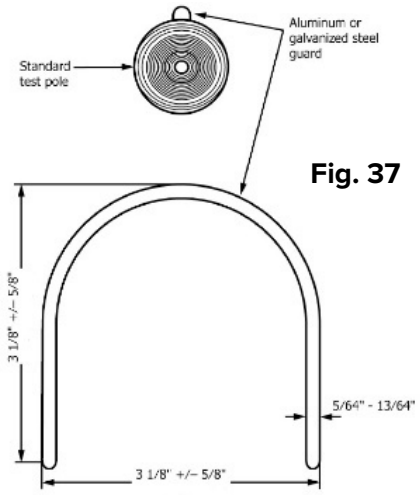


Fig. 37

Based on these test results and previous testing we have approved the BuckSqueeze for use on poles with attached 3 1/8" U-shaped guard or conduit only when the unit is placed at waist level or above and used by a worker with a maximum weight of 350 lb. when fully equipped. Additionally, placement of the BuckSqueeze on these types of poles needs to be specific in order for the system to adequately perform.

One approved position is with the U-shaped guard or conduit located directly in front of the end user (Fig. 38). The other approved position is with the U-shaped guard or conduit directly behind the pole (Fig. 39). The U-shaped guard or conduit must be at either the o'clock 6 or 12 o'clock position in relation to the user when the pole is viewed as the face of a clock.

Fig. 38

Fig. 39

Fig. 40

Fig.41

The BuckSqueeze hardware (Serrated Rotosnap - Fig. 40 or Cleat - Fig. 41) must not be located on or come into contact with U-shaped guards, conduit or any other object that may be mounted to the pole. When the BuckSqueeze is mounted over U-shaped guard or conduit ensure that the unit is properly adjusted so that the hardware (Serrated Rotosnap or Cleat) make contact with the pole.

WARNINGS:

CAUTION: Some poles may exhibit what is known as the "Slick Pole Condition". Poles seen with this condition appear to have a waxy, glazed surface. This may be due to the conditioning of the pole through its manufacturing / curing process, creosote buildup and / or the environment to which it is exposed (i.e. weather, excessive climbing, etc). If the slick pole condition exists or the potential for this condition exists, the BuckTooth (Model 485) or BuckWheel (Model 487) is required for use with all product manufactured prior to 2/10 and without the cleat and Serrated Rotosnap.

To test for this condition: while standing on the ground connect and properly adjust the BuckSqueeze to the pole and your body belt. Shift your weight downward into the BuckSqueeze to simulate a cut out or a slip. The BuckSqueeze should cinch tightly around the pole. If slipping is observed due to the "Slick Pole Condition" the BuckTooth (Model 485) or BuckWheel (Model 487) is required for use with this product.

- Read carefully, understand and heed these instructions and warnings before using this equipment. Failure to do so could result in your serious injury or death.
- This equipment is intended for use by properly trained professionals only.
- Please consult with your physician prior to using this product. Do not use this product under the influence of drugs or alcohol.
- This product is designed to be used by a person with a maximum weight of 350 lbs. when fully equipped.
- Wood Pole Fall Restriction Devices must be in proper adjustment before use.
- All Wood Pole Fall Restriction Devices MUST BE properly adjusted and used in accordance with the manufacturer's instructions to function as designed and intended. Failure to do so could result in serious injury or death.
- Inspect all poles prior to climbing to ensure that there are no service wires running vertically up the pole. If wires are present install U-guard over the wires or de-energize the circuit prior to installing the BuckSqueeze.
- Fall protection equipment, (i.e. fall arrest, work positioning, climbers, retrieval, suspension etc.) should not be resold or provided to others for re-use after use by original user as assurance cannot be granted that a used product meets criteria of applicable standards and is safe for use to a subsequent user.
- Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. Co. may make repairs to this equipment.
- Inspect your equipment prior to each use. As a minimum, use all inspection instructions included in this document.
- **For models manufactured 2/10 and later: Do not use this device if the cleat is missing from the Channel Handle / Cam Assembly as unit will not function as designed.**
- **Product manufactured prior to 2/10 and without the Cleat and Serrated Rotosnap will require the attachment of the BuckTooth (Model 485) or BuckWheel (Model 487) for use of this product on an iced or slick pole. This design of product without the attachment of the BuckTooth or BuckWheel, is not effective on an iced or slick pole. Do not use on E-Lam Poles. If using the BuckTooth or BuckWheel ensure you read carefully, understand and heed the Instructions and Warnings supplied with that product.**
- 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.
- Selection of products should be such that they aid the worker in the performance of his/her 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.
- Be certain the Outer Strap is properly positioned on the pole and the Inner Strap (woven web) is snug to the pole. **Failure to heed this warning will result in inadequate gripping capabilities of the unit.**
- **Never hold the BuckSqueeze open while climbing; doing so could result in inadequate gripping capabilities of the unit.**
- A secondary fall protection device must be used when the Outer Strap is disconnected to relocate it above or below an obstruction on the pole.
- Before use, ensure locking mechanisms of Locking Snaphooks and Serrated Rotosnap are functioning properly. Never disable locking mechanisms or gates, punch holes in or alter a connecting device or this product in any way.
- Make sure each snaphook and the Serrated Rotosnap is positioned so that its keeper / gate is never load bearing.
- With each use, visually check that snaphooks and carabiners freely engage the body belt dee rings and that the keeper is completely closed and facing outward. Never rely solely on the feel or sound of a snaphook, or carabiner or engaging.
- With each use, visually check that the Serrated Rotosnap engages the 3 Slot Dee Ring and that the gate is closed and facing outward. Never rely solely on the feel or sound of the Serrated Rotosnap engaging.
- With each use, visually check that the rubber grip attached to the gate of the Serrated Rotosnap is centered in the knurled section. A rubber grip that has slid out of the knurled center section and towards the top or bottom of the gate (Fig. 42) may prevent the gate from properly closing and locking (Fig. 43).
- When in the work position, ensure there is no pressure on the snaphook locking mechanism sufficient to depress it as this will, due to its length, render it incompatible with currently designed dee rings and make it very susceptible to rollout.

Fig.42

Fig.43

- **Never let the WPFRD fall below waist level while ascending, descending or working.**
  NOTE: In certain transitioning situations, while ascending above or descending below obstructions such as cross arms or transformers, cable battery relay boxes, working on a faulty cut out, etc. it may be necessary to position the WPFRD below the waist. However, never allow the BuckSqueeze to be positioned below the waist without first placing the secondary positioning strap above the obstruction.
- The slots of the 3 Slot Dee Ring are designed and intended for connection of the Serrated Rotosnap only, never attach anything other than the Serrated Rotosnap to any slot of the 3 Slot Dee Ring.
- The two outer circular slots are intended to be used for limited circumstances such as transitioning beyond an obstruction and
- when it is extremely difficult to connect into the rectangular center slot and not as the continuous connection point of the dee ring.

- **Never allow the Channel Handle / Cam Assembly and the Serrated Rotosnap to come into contact with each other.**
- Ensure all connections are complete and proper before climbing.
- For personal use only. NOT for towing or hoisting.
- If a fall or impact loading has occurred the WPFRD should be removed from service and returned to Buckingham Mfg. for inspection or inspected by a trained, qualified and user's company approved inspector.
  NOTE: Unit must be taken out of service and replaced if there is any question regarding it being safe for use.
- All affixed labels should be left in place and all instructional material should be kept for future reference.
- Avoid contact of this equipment with sharp edged or pointed tools, hand saws, chainsaws, hand tools, abrasive surfaces, high temperature surfaces, welding or other heat sources, electrical hazards, chemicals, moving machinery etc.
- Be aware of this device's position / placement at all times in relation to the operations being performed. Use extreme caution when performing operations such as cutting, drilling, sawing, etc. Always perform this type of work well above this device to avoid the potential of tool contact, causing damage which may result in a fall, serious injury or death).
- When performing a Hurt Man Rescue, be aware of your device's position / placement in relation to the victim's device. Visually ensure the strap you are about to cut is that of the victim's device, not yours.
- Never work without independent fall protection if there is danger of a fall.
- Never transfer from a ladder to wood pole, steel pole or other structures or vice versa.
- Check for build-up of Neoprene rubber on the brown strap and cam teeth during break in period or your first few uses. If rubber is built up, clean the strap and cam with compressed air or wipe the rubber away with a clean cloth.
- Ensure a rescue plan and resources are in place before climbing.
- Employer – instruct employee as to proper use and warnings before use of equipment.
- Product manufactured 2/10 and later with the Cleat and Serrated Rotosnap meets applicable criteria of OSHA 1926.502(e), CSA Z259.14-01 (Type AB) and ASTM F887 (Type AB) as manufactured and through proper use of product when used on round poles and Type A criteria when used on E-Lam poles. Product manufactured prior to 2/10 and without the Cleat and Serrated Rotosnap meets applicable criteria of OSHA 1926.502(e), CSA Z259.14-01 (Type A) and ASTM F887 (Type A) when used on round poles and are not to be used on E-Lam poles.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.
- The pole to be climbed must have a minimum diameter of 5 inches (127 millimeters) or a minimum circumference of 15.75 inches (400 millimeters). This measurement must be taken when the WPFRD is above the user's waist.

CLEANING: Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. The equipment should be cleaned and maintained at regular intervals depending on usage. Nylon - Clean with water and mild soap (a dish washing soap that removes grease (such as Dawn) and allow to dry thoroughly without using excessive heat. Use Rainbow Cleaner and Degreaser (PN 4305) if the woven nylon becomes excessively dirty / coated with pole preservatives such as creosote / penta. Rainbow Cleaner and Degreaser is not to be used on the Outer Strap (Brown Neoprene Impregnated Nylon). Follow manufacturer's instructions, it may be helpful to gently scrub using a soft brush prior to rinsing. Rainbow products are available at www.rainbowtech.net. Do not use any type of corrosive substance or acid, which will gradually degrade the fabric. **Note:** Rainbow cleaner is a highly flammable material therefore manufacturer's directions and warnings must be followed. In addition, materials cleaned with this product must be thoroughly rinsed with water and allowed to dry prior to use.

STORAGE: Store in a dry environment, away from chemicals, excessive heat and direct sunlight. Buckingham Mfg. Co. recommends using storage bag part number 45500, to store the 483 / 484 Series device. When not in use, or when storing the unit, it is recommended that the friction buckle on the woven strap be adjusted out to the end of the strap (Fig. 44) to prevent rigid memory spots from forming in the woven strap (Fig. 45) due to the buckle being left in one position for extended periods of time.

Fig.44

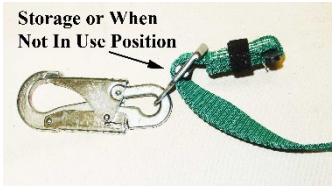


Fig.45

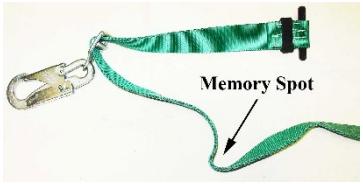
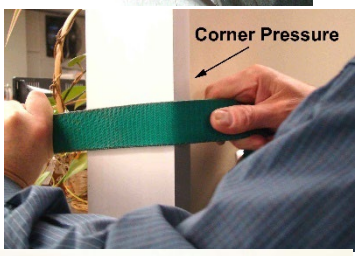


Fig.46

These rigid memory spots may make friction buckle adjustment difficult. While climbing, the excess webbing may be folded over or rolled and contained with the hook and loop keeper. This folding/rolling however, is not recommended while the unit is not being used.

If the user forgets to place the friction buckle at the end of the woven strap, and memory spots form the user can remove the memory spot by sliding the friction buckle back and forth over the memory spot as shown (Fig. 46).

Fig.47



The user can also slide the area of the woven strap with the memory spot on a line truck bumper or something with a corner while applying pressure to remove the memory spot (Fig. 47).

Shown in Fig. 48 is the memory spot removed after performing one of these two procedures.

Fig.48

LUBRICATION: Lubricate lock mechanisms, keepers and gates at least weekly or as often as required to maintain smooth operation (no binding). Use a lightweight lubricant such as WD-40®.

NOTE: Ensure proper fit / size of product before use. This product cannot be returned unless it is in new / unused condition. Patented, for more information, visit BuckinghamMFG.com/Patents.

LOCKING SNAPHOOK INSPECTION PROCEDURE

- THOROUGHLY INSPECT EACH SNAPHOOK BEFORE EACH USE TO ENSURE:

> Rivets have adequate head and are not loose such that function is compromised.
> Snaphook is not cracked, corroded or distorted, ensure the gate (keeper) does not bind and properly seats in the bill.
> Keeper is not bent or distorted, ensure it properly seats in the bill.
> Keeper and lock mechanism are free of burrs.
> Keeper and lock mechanism and rivet attachment points are properly lubricated.
> Keeper extends into the bill, 3/16" min. (Fig. 49)
> Keeper and lock mechanism springs are properly seated and aligned.
> Roller turns freely and is not distorted.

- LUBRICATE lock mechanism and keeper on both sides AT LEAST WEEKLY or AS OFTEN AS REQUIRED to maintain smooth operation (no binding) with light weight lubricant such as WD-40®.

- LOCKING SNAPHOOKS FEATURE A SELF-CLOSING, SELF-LOCKING MECHANISM WHICH REMAINS CLOSED UNTIL UNLOCKED AND PRESSED OPEN FOR CONNECTION OR DISCONNECTION.
  > When the lock mechanism is not activated, the keeper should remain securely locked when depressed.
  > Depress the lock mechanism. It should move downward easily and spring back to its original position without binding or sticking (Fig. 50).

>Depress the keeper and lock mechanism simultaneously, (Fig. 51), checking for:
>> ease of movement — no binding
>> keeper unlocks completely
>> keeper opens completely, moves through its full range of motion smoothly, and returns to its original position within the bill.

> Move the keeper side to side to check for excessive side movement (Fig. 52). Side movement is excessive if the keeper hangs up on the tab of the split bill (Fig. 53).

3/16" MIN.

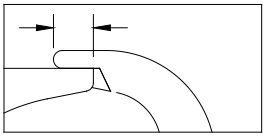


Fig. 49

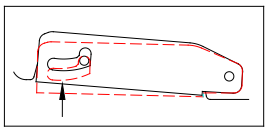


Fig. 50

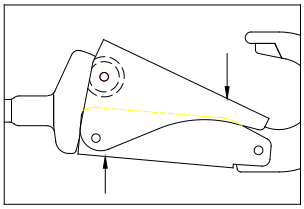
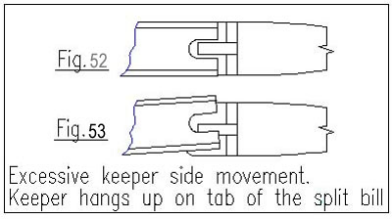
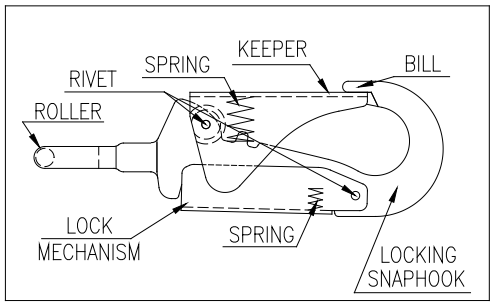


Fig. 51

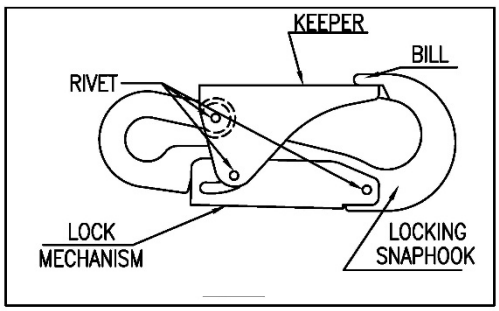


- **NOTE:** MISUSE / ABUSE OF THIS PRODUCT COULD LEAD TO IMPROPER FUNCTIONING WITH RISK OF INJURY!!! NEVER ATTEMPT TO ALTER OR MODIFY A SNAPHOOK TO BYPASS THE LOCK MECHANISM!!!

Hardware shown may vary.



LOCKING POSITIONING STRAP SNAPHOOK



LOCKING SNAPHOOK (LINKLESS CONNECTION)

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.

BUCKINGHAM MFG.
BINGHAMTON, NY
1-800-937-2825
www.buckinghammfg.com

Information contained in these written instructions supersedes all other information (written, audio, video etc.) produced by Buckingham Mfg.