



# BUCKINGHAM MANUFACTURING SINCE 1896 COMPANY INCORPORATED



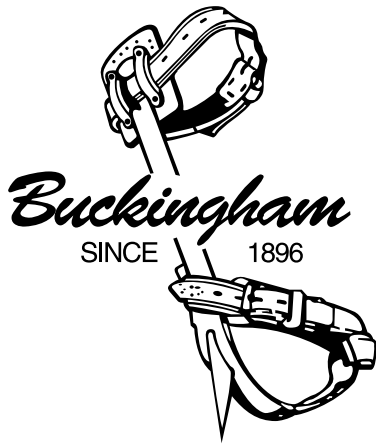
Fall Protection  
is a Plan...

...Safety is a  
Commitment



**2007 FALL PROTECTION CATALOG**  
*with New Products*

## Our Responsibilities and Yours, With Regard to Personal Protective Equipment



Occupational Safety and Health Administration (OSHA) regulations, American National Standards Institute (ANSI) and The American Society For Testing And Materials (ASTM) address equipment specifications for manufacturers of personal protective equipment (PPE) as well as guidelines for employers regarding the proper use of such equipment.

Our equipment meets or exceeds all OSHA/ANSI/ASTM requirements. Included are OSHA 1910.269 and 1926.500 (subpart M), ANSI Z359.1 and A10.14 and ASTM F887. We have prepared this catalog to help you select proper PPE for your employees. We also include detailed instructions

on the use and maintenance of PPE with each item we ship.

OSHA, ANSI and ASTM regulations specify that you are responsible for being fully informed of all safety regulations and the proper use of PPE systems. You are also responsible for providing PPE to employees who work in elevated positions or are at risk of a fall as well as training your employees in the proper use of PPE.

Your knowledge of your employees' unique tasks and work locations along with our knowledge of PPE should enable you to select equipment that, when used properly, will ensure the safety of your employees.

Falls from heights are a leading cause of disabilities among utility linemen, arborists and construction workers. OSHA has estimated that an average of 12,976 lost-workday injuries and 86 fatalities of electric power generation, transmission, and distribution employees occur annually.

Our reason for being is to manufacture and make available high quality equipment that, when used properly, will ensure safety and save lives.

To help you use this catalog, most products are accompanied by a symbol that indicates whether the product is intended to be used for fall arrest, positioning, suspension, or retrieval.



**Fall Restraint System:**

Equipment designed and used to prevent the worker from reaching an area where a free fall could occur.



**Fall Arrest System:**

A product specifically designed to arrest a fall from an elevated position.



**Work Positioning System:**

Equipment designed to position the user at an elevated work site in order that he may have free use of both hands. Not intended to arrest a fall unless also equipped for fall arrest.



**Suspension System:**

Equipment designed to suspend or lower a person to a work site. Not intended to arrest a fall unless also equipped for fall arrest.



**Retrieval System:**

Equipment used to evacuate a person from an area in an upright position. Not intended to arrest a fall unless also equipped for fall arrest.

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# SAFETY

## Our Guarantee

We guarantee the equipment we manufacture to be free from defects in material and workmanship. We will repair or replace any equipment deemed to be defective which is returned to Buckingham. This express guarantee supersedes all other expressed or implied guarantees, obligations or liabilities.

If you have questions about a product or its intended use, please contact us between 8:00 a.m. and 5:00 p.m., Eastern Time, Monday through Friday, at (607) 773-2400.

## Important Safety Information

Our harnesses, saddles, straps, etc. are thoughtfully designed and manufactured to the highest quality standards. But users of the equipment have to take responsibility for security and work site safety. Because we are concerned about your safety, please remember to:

- make sure you are fully trained to do the job at hand-Buckingham personal protective equipment is intended for use by trained professionals
- know the intended use of each piece of equipment and how to use the equipment properly
- thoroughly inspect equipment before each use for signs of wear or breakage
- follow safe work practices.. don't take chances.. your life depends on your judgement.

## Inspect Your Equipment

Inspection before use should consist of, but not be limited to, review for:

- cracks, nicks, distortion or corrosion of hardware
- loose stitching, broken threads or burns
- loose or worn rivets
- worn materials
- spring tension on snaphooks
- properly shaped and sized hardware connecting devices

## Standards and Regulations

### General Industry - OSHA

Safety Requirements for Scaffolding (Bosun's Chairs)	1910.28 (j) (1) (4)
Powered Platforms for Building Maintenance	1910.66
Electric Power, Generation, Transmission and Distribution; Electrical Protective Equipment	1910.269

### Construction - OSHA

29 CFR Parts 1910 and 1926 Safety Standards for Fall Protection in the Construction Industry	1926.500 - 1926.503
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### ANSI Standards

Fall Protection	Z359
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### ASTM Standard

Personal Climbing Equipment	F887
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# Buckingham Standard Harnesses

**Buckingham Manufacturing** offers a full array of *standard design* full body harnesses to be used in fall arrest, work positioning, suspension, retrieval and rappelling applications. *Standard design* harnesses are returnable and can be ordered in sizes S, M, L, & X.

**Buckingham Manufacturing** allows you to design a harness from our matrix or to specify a non-standard size. We'll manufacture the harness to accommodate your needs. Non standard harnesses and sizes are not considered *standard design* and therefore are not returnable.

## HARNES SIZING MATRIX CHEST SIZE

HEIGHT	34-36	38-40	42-44	46-48	50-54	56-60
5' 4"- 5' 7"	S	S	M	L	X	XX
5' 8"- 5' 11"	S	M	L	X	XX	XXX
6' 0"- 6' 3"	M	M	L	X	XX	XXX
6' 3" +	L	L	X	X	XX	XXX

S = Small; M = Medium; L = Large, X = Extra Large; XX = 2X; XXX = 3X.



## High End Harnesses

Our *standard design* Economy Harnesses are made from Type 13 nylon webbing with orange upper and black lower sections and meet all applicable ANSI and/or ASTM standards. Except for a Universal fit harness, order by adding size S, M, L, X, to part number; non-standard sizes available upon request.

U64A23H6E00



'H' style full body harness. Features:

- Height and leg strap length adjustment through the interlocking buckles at the leg positions.
- Fixed position interlocking chest strap buckle.
- Interlocking leg strap buckles.
- Steel Dee ring dorsal attachment.
- One size fits most; non-standard sizes available upon request.

6381700



A no metal and light weight 'H' style full body harness. Features:

- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Reinforced web loop dorsal attachment used to half hitch a shock absorbing lanyard.
- Step in leg straps.
- No height or leg strap adjustment.

63936E00T2



An economically priced 'H' style full body harness with height and leg strap adjustability for just the right fit. Features:

- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Interlocking leg strap buckles.
- Steel Dee ring dorsal attachment.
- Standard friction buckle for vertical adjustment.




Indicates meets ASTM F887 Electric Arc Performance Requirements.



## Basic Harnesses


Our **standard design** Basic Harnesses are available in both 'H' & 'X' styles and have contrasting color upper and lower sections for easy donning. They meet all applicable ANSI and/or ASTM standards. Order by adding S, M, L, X, to part number; non-standard sizes available upon request.

603B3700-Web Dorsal Loop [shown]  
or  
603B3600-Steel Dorsal Dee 



An 'X' style full body harness featuring:

- Interlocking torso & leg strap buckles with leather chafes.
- Web loop or steel dee dorsal attachment.
- Reinforced web front loop that can be used for rescue or rope/cable grab.
- Chest strap sewn above web loop.
- Made from Type 13 nylon webbing with orange upper & black lower sections.

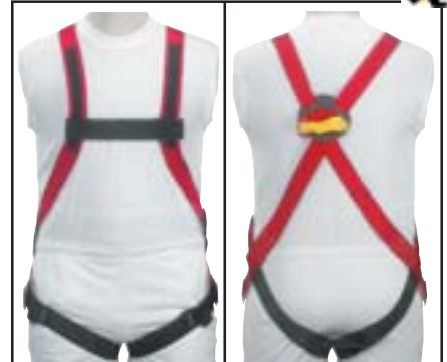
603E3700R3-Web Dorsal Loop [shown]  
or  
603E3600R3-Steel Dorsal Dee 



An 'X' style full body harness featuring:


- Interlocking torso & leg strap buckles.
- Web loop or steel dee dorsal attachment.
- Fully adjustable interlocking torso buckles are for height adjustment.
- Reinforced web front loop that can be used for rescue or rope/cable grab.
- Made from Type 10 nylon webbing with red upper and black lower sections.
- No chafes behind buckles.

6383700-Web Dorsal Loop [shown]  
or  
6383600-Steel Dorsal Dee 



An 'H' style full body harness featuring:

- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Interlocking leg strap buckles with leather chafes.
- Web loop or steel dee dorsal attachment.
- Made from Type 13 nylon webbing with orange upper & black lower sections.
- No vertical adjustment because the harness has no metal above the waist.

6393700-Web Dorsal Loop [shown]  
or  
6393600-Steel Dorsal Dee 



An 'H' style full body harness featuring:

- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Interlocking leg strap buckles with leather chafes.
- Web loop or steel dee dorsal attachment.
- Standard friction buckle for height adjustment.
- Made from Type 13 nylon webbing with orange upper & black lower sections.

6483600-Steel Dorsal Dee [shown]  
or  
6483700-Web Dorsal Loop 



An 'H' style full body harness featuring:

- Interlocking chest strap buckle with leather chafe.
- Interlocking leg strap buckles with leather chafes.
- Steel dee or web loop dorsal attachment.
- Made from Type 13 nylon webbing with orange upper & black lower sections.
- No vertical adjustment.

6493500D1R3 Steel Chest Buckle [shown]  
or  
6393500D1R3 Velcro® Chest Buckle 



An 'H' style full body harness featuring:

- Interlocking chest strap buckle or Velcro® chest strap.
- 24" [61cm] dorsal pigtail with small dee ring.
- Standard friction buckle for height adjustment.
- Made from Type 10 nylon webbing with red upper and black lower sections.
- Interlocking leg strap buckles.



Indicates meets ASTM F887 Electric Arc Performance Requirements.



## Basic Harnesses...continued

6493600K-Steel Dorsal Dee [shown]  
or  
6493700K-Web Dorsal Loop



Kevlar® 'H' style full body harness featuring:

- Interlocking chest strap & leg strap buckles, all with leather chafes.
- Steel dee or web loop dorsal attachment.
- Friction buckles mounted on vertical shoulder strap for height adjustment.
- Made from Kevlar® with yellow upper and black lower sections.

6493700R3-Web Dorsal Loop [shown]  
or  
6493600R3-Steel Dorsal Dee



An 'H' style full body harness featuring:

- Interlocking chest and leg strap buckles - no chafes behind buckles.
- Web loop or steel dee dorsal attachment.
- Friction buckles mounted on vertical shoulder strap for height adjustment.
- Made from Type 10 nylon webbing with red upper and black lower sections.

6494600-Steel Chest Buckle [shown]  
or  
6394600-Velcro® Chest Strap



An 'H' style full body harness featuring:

- Interlocking chest strap buckle or Velcro® chest strap.
- Tongue Buckle & Grommet leg straps.
- Steel dee dorsal attachment.
- Friction buckles mounted on vertical shoulder strap for height adjustment.
- Made from Type 13 nylon webbing with orange upper & black lower sections.



## High End Harnesses

Our **standard design** High End Harnesses are available in both 'H' & 'X' styles and have contrasting color upper and lower sections for easy donning. They feature the Buckingham patent pending split tongue Quick Connect Buckle for ease of use and adjustability and they meet all applicable ANSI, ASTM & OSHA standards. Order by adding size S, M, L, X, to part number; non-standard sizes available upon request.

603S8C700-Web Dorsal Loop [shown]  
or  
603S8C600-Steel Dorsal Dee



An 'X' style full body harness featuring:

- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the leg straps and at the torso for height adjustment.
- Web loop or steel dee dorsal attachment.
- Reinforced web front loop that can be used for rescue or rope/cable grab.

6398C700-Web Dorsal Loop [shown]  
or  
6398C600-Steel Dorsal Dee



An 'H' style full body harness that's ideal for the user who wants to minimize the amount of metal above the waist. Features:

- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Leg straps with the Buckingham patent pending split tongue Quick Connect Buckles and leather chafes.
- Web loop or steel dee dorsal attachment.
- Friction buckles mounted on vertical shoulder strap for height adjustment.

68D98C600-Steel Dorsal Dee [shown]  
or  
68D98C700-Web Dorsal Loop



An 'H' style full body harness featuring:

- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the chest and leg straps.
- Steel dee or web loop dorsal attachment.
- Friction buckles mounted on vertical shoulder strap for height adjustment.



## BUCKFIT & BUCKFIT FR HARNESSSES

The **standard design** Buckfit harnesses are uniquely constructed for the user's safety, comfort and ease of use. The full body harness slips on like a vest ['H' style] or pullover ['X' style] - no more twisted loops of webbing to untangle before you start your day! They meet all applicable ANSI standards and our new Buckfit FR Harnesses have a Kevlar® mesh shell that meets the ASTM F887 Electric Arc performance requirements! Order by adding size S, M, L, X, to part number; non-standard sizes available upon request.

**603S8C700K1-Web Dorsal Loop [shown]**

or

**6038C600K1-Steel Dorsal Dee**



This Buckfit FR [shown] is an 'X' style full body harness featuring:

- A Kevlar® mesh shell that is designed to "breathe".
- FR foam padded shoulder and leg pads for added overall comfort.
- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the leg straps and at the torso for height adjustment.
- Web loop or steel dee dorsal attachment.
- A reinforced web front loop can be used for rescue or with a rope/cable grab.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets ASTM F887 and all applicable ANSI standards.

**603S8C700V9-Web Dorsal Loop [shown]**

or

**603S8C700V9-Steel Dorsal Dee**



This Buckfit [shown] is an 'X' style full body harness featuring:

- A Dri-lex® shell that is designed to wick moisture away from the user with padded Dri-lex® shoulder and leg pads for added overall comfort.
- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the leg straps and at the torso for height adjustment.
- Web loop or steel dee dorsal attachment.
- A reinforced web front loop can be used for rescue or with a rope/cable grab.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets applicable ANSI standards.

**637G8C500CK1- FR w/ Dorsal Pigtail [shown]**

or

**637G8C500CV9- Non FR w/ Dorsal Pigtail**



The Buckfit FR [shown] is an 'H' style full body harness featuring:

- A Kevlar® mesh shell that is designed to "breathe".
- FR foam padded shoulder and leg pads for added overall comfort.
- Velcro® chest strap that meets ANSI Z359.1 requirement.
- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the leg straps.
- 18" [45.7cm] dorsal pigtail with small dee ring to attach a 4 1/2' [1.37m] shock absorbing lanyard.
- Spring loaded friction buckles for height adjustment.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets ASTM F887 and all applicable ANSI standards.



Indicates meets ASTM F887 Electric Arc Performance Requirements.



## Buckfit & Buckfit FR Harnesses... continued

637G8C700K1-Web Dorsal Loop [shown]  
or  
637G8C600K1-Steel Dorsal Dee



This Buckfit FR [shown] is an 'H' style full body harness featuring:

- A Kevlar® mesh shell that is designed to "breathe".
- FR foam padded shoulder and leg pads that add to overall comfort.
- Velcro® chest strap that meets ANSI Z359.1 requirements.
- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the leg straps.
- Web loop or steel dee dorsal attachment.
- Spring loaded friction buckles for height adjustment.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets ASTM F887 and all applicable ANSI standards.

637G8C700V9-Web Dorsal Loop [shown]  
or  
637G8C600V9-Steel Dorsal Dee



This Buckfit [shown] is an 'H' style full body harness featuring:

- A Dri-lex® shell that is designed to wick moisture away from the user and padded Dri-lex® shoulder and leg pads for added overall comfort.
- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Buckingham's patent pending split tongue Quick Connect Buckles with leather chafes on the leg straps.
- Web loop or steel dee dorsal attachment.
- Spring loaded friction buckles for height adjustment.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets applicable ANSI standards.

68D7G8C600K1-Steel Dorsal Dee [shown]  
or  
68D7G8C700K1-Web Dorsal Loop



This Buckfit FR is an 'H' style full body harness featuring:

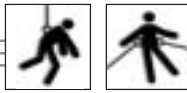
- A mesh shell that is designed to "breathe".
- FR foam padded shoulder and leg pads that add to overall comfort.
- The Buckingham patent pending split tongue Quick Connect Buckles with leather chafes on the chest and leg straps.
- Steel dee or web loop dorsal attachment.
- Spring loaded friction buckles for height adjustment.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets ASTM F887 and all applicable ANSI standards.

68D7G8C600V9-Steel Dorsal Dee [shown]  
or  
68D7G8C700V9-Web Dorsal Loop



This Buckfit [shown] is an 'H' style full body harness featuring:

- A Dri-lex® shell that is designed to wick moisture away from the user and padded Dri-lex® shoulder and leg pads for added overall comfort.
- Buckingham's patent pending split tongue Quick Connect Buckles with leather chafes on the chest and leg straps.
- Steel dee or web loop dorsal attachment.
- Spring loaded friction buckles for height adjustment.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets applicable ANSI standards.



## Harness & Body Belt Combinations

Buckingham Harness and Body Belt combinations are ideal for individuals working in generation/sub stations or off ladders where both Fall Protection and Work Positioning are required. Any lineman's body belt can be permanently attached to a harness by means of stitching or by web loops. If you want a belt that can be removed, Buckingham offers quick connect nylon clips attached to the harness that keeps the body belt in place.

### 6394710 Harness (non-standard) with 1993F Body Belt [harness & belt sold separately]



'H' style full body harness featuring:

- Velcro® chest strap that meets ANSI Z359.1 requirements.
- Grommet leg straps.
- Reinforced web loop dorsal attachment used to half hitch shock absorbing lanyard.
- Standard friction buckle for height adjustment.
- Made from Type 13 nylon webbing with orange upper and black lower sections.
- Meets all applicable ANSI, OSHA, & ASTM standards.
- Order harness by adding size suffix S, M, L, X, to part number; non-standard sizes available upon request.

Shown with a 1993F lightweight full float body belt [secured to the harness with quick connect nylon clips resident on the harness] featuring:

- 8" [20.3cm] wide suede lined back pad for maximum support.
- Specially designed work positioning Dee rings to ease the attachment of a positioning strap by restricting Dee ring swing.
- Leather tool loops, tool pouch tabs, accessory snap & ring, and a tape thong for tool & equipment storage.
- A neoprene impregnated nylon belt strap to secure the waist belt.
- Body belts are ordered by Dee size 18 - 30; non-standard sizes available upon request.
- Meets all applicable ASTM standards.

### 6493640 Harness (non-standard) with 1997T2 Body Belt [harness & belt sold separately]



'H' style full body harness featuring:

- Interlocking chest strap & leg strap buckles, all with leather chafes.
- Steel Dee dorsal attachment.
- Standard friction buckle for height adjustment.
- Made from Type 13 nylon webbing with orange upper and black lower sections.
- Meets all applicable ANSI, OSHA, & ASTM standards.
- Order harness by adding size suffix S, M, L, X, to part number; non-standard sizes available upon request.

Shown with a 1997T2 lightweight semi-float body belt that is attached by threading the belt through web loops on the harness and then securing quick connect nylon clips resident on the belt. The belt features include:

- 4" [10.2cm] wide padded back pad for maximum support.
- Specially designed work positioning Dee rings to ease the attachment of a positioning strap by restricting Dee ring swing.
- Leather tool loops, tool pouch tabs and an accessory snap and ring for tool storage.
- Grommet tongue buckle to fasten the waist belt.
- Body belts are ordered by Dee size 18 - 30; non-standard sizes available upon request.
- Meets all applicable ASTM standards.

### 61999 Combination Harness: 68D7G8C600V9 Harness (standard) with Drilex® Body Belt [belt sold together].



'H' style full body harness featuring:

- A Dri-lex® shell that is designed to wick moisture away from the user and padded Dri-lex® shoulder and leg pads for added overall comfort.
- Buckingham's patent pending split tongue Quick Connect Buckles with leather chafes on the chest and leg straps.
- Steel dee dorsal attachment.
- Spring loaded friction buckles for height adjustment.
- Made from Type 13 nylon webbing with silver upper and black lower sections.
- Meets applicable ANSI standards.















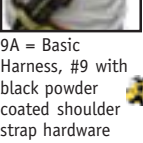




















Shown with a lightweight body belt that is permanently attached to the harness. The belt features include:

- Dri-lex® lined belt designed to wick moisture from the user.
- 4" [10.2 cm.] wide padded back pad for maximum support.
- Buckingham's patent pending split tongue Quick Connect Buckle to fasten the waist belt.
- Steel dee ring on hips for use with a pole strap or a work positioning lanyard.
- This combination harness is ordered in S, M, L & XL; non-standard sizes available upon request.
- Meets all applicable ASTM standards.

# Harness Matrix\*

To order a harness to meet your specific needs, use the following procedure. Simply insert the digit noted to configure the harness you desire (note: harness always starts with a 6).

## HARNES MATRIX

	6						
<p>If prefix 'U' inserted universal fit. Only available with harness with upper body adjustment buckles.</p>	X	<p>CHEST STRAP ATTACHMENT</p> <p>0 = Used only with harness type 3</p>  <p>3 = Velcro Chest Strap</p>  <p>4 = Interlocking Buckle</p>  <p>4B = Interlocking Buckle black powder coated</p>  <p>8D = Quick Connect Buckle w/black belt chafes for vertical adjustment</p>	<p>HARNES TYPE</p>  <p>3 = Cross-over design w/perm. attach. chest strap located 3 3/4" above front 'X'. (Applicable only to chest strap attachment "0")</p>  <p>7 = Friction Buckles on vertical shoulder straps (chest mount)</p>  <p>7A = Friction Buckles on vertical shoulder straps (low mount)</p>  <p>3A = #3 with black powder coated shoulder strap buckle</p>  <p>7G = Vertical mounted spring loaded friction buckle</p>  <p>3B = #3 with loop at cross on front of harness</p>  <p>8 = Basic Harness-no shoulder strap adjustment</p>  <p>3D = #3 w/o chest strap, with 1 3/4" nylon attach piece stitched across back shoulder straps directly below the chafe in back.</p>  <p>9 = Basic Harness with shoulder strap adjustment</p>  <p>3E = #3D with loop at cross on front of harness</p>  <p>9A = Basic Harness, #9 with black powder coated shoulder strap hardware</p>  <p>3S = #3B w/Quick Connect Buckles</p>	<p>LEG STRAP ATTACHMENT</p>  <p>1 = Step-in leg straps - no buckles</p>  <p>3 = Interlocking Buckle</p>  <p>3A = Interlocking Buckle (black powder coated)</p>  <p>4 = Grommets</p>  <p>**8C = Quick Connect Buckle</p>	<p>FALL ARREST ATTACHMENT</p>  <p>5 = Permanently attached</p>  <p>5Q = Shock Absorber permanently attached</p>  <p>6 = Dee Ring (1069)</p>  <p>6D = DiElec Dee ring</p>  <p>7 = Web Loop</p>  <p>9 = Small Shoulder Dee Ring</p>	<p>BODY BELT ATTACHMENT</p> <p>0 = None</p>  <p>1 = Outside Mount 1" Plastic Buckle</p>  <p>4 = Body Belt attached through means of loops attached to harness</p>  <p>4Q = Body Belt permanently attached</p>	<p>SHOULDER PADS</p> <p>0 = None</p>  <p>1 = Permanent</p>  <p>2 = Replaceable</p>  <p>3 = Replaceable with 1" 4-ply nylon loop for Snaphook and Velcro loop to hold lanyard on shoulder (6JLV)</p>  <p>4 = Light Weight Permanent</p>  <p>5 = Light Weight Replaceable</p>

**350 lb. Rated**



Indicates meets ASTM F887 Electric Arc Performance Requirements.

\*Harnesses configured from the matrix are non-returnable.  
\*\*8C=Quick Connect Buckle

OPTIONS  
SEE  
NEXT  
PAGE(S)

FALL PROTECTION

## Buckingham Harness Matrix Options



**A** = 15" rappelling loop (seat section) - 1" yellow web with Velcro back.



**A8** = 15" Rappelling loops (1" Yellow web) stitched to harness black web immediately below connecting link.



**C4** = 1 3/4" orange web cross piece to prevent fall arrest attachment from sliding down.



**G** = 18" extension strap (1" yellow web) that terminates with 3/4" dia. loop for carabiner.



**A2** = 3" length rappelling loops on vertical shoulder straps.



**C** = 18" extension strap (1" ylw web) that terminates with a dee ring.



**D1** = 24" extension strap (1" yellow web) terminating with dee ring.



**G1** = 18" extension strap (1" ylw web) w/ a loop (approx. 3" dia.) to half hitch on a shock absorber.



**A3** = 1 1/2" dia. rappelling loops. Sewn to shldr strap at 20° angle & encased in yellow tube wear piece.



**C1** = Leather cover for adjustment buckles with 2" Velcro.



**E** = 1 3/4" dia. loop (1" 4-ply nylon) in hip area (left side only) to attach snap hook.



**G3** = 18" extension strap (1 3/4" orange web) with wear piece around 3 1/2" dia. loop for attachment of shock absorber.



**A4** = "A" rappelling loop w/ addition of 3" wide elastic keeper.



**C2** = 18" extension strap (1 3/4" orange web) terminating with a small dee ring.



**F** = Work positioning dee rings attached to harness by green web, which goes around the back & connects the two dee rings.



**G4** = 18" extension strap (1 3/4" orange web) that term. w/ a 1 3/4" diameter loop encased in yellow piece.



Indicates meets ASTM F887 Electric Arc Performance Requirements.

## Buckingham Harness Matrix Options



**G6** = 18" extension strap (1 3/4" orange web) that term. w/a small dee ring attached in a 1 3/4" diameter loop en-cased in yellow tube wear piece.



**J2** = 1 3/4" Type X red web upper section and 1 3/4" Type 10 black web lower section.



**P** = Shoulder Dee Ring (for retrieval)



**T9** = Harness manufactured without leather chafes behind hardware but with elastic bands.



**H** = Reflective material (standard gray).



**K1** = Kevlar mesh; meets ASTM F887 electric arc performance requirements.



**R** = Harness manufactured with all polyester web material. NOTE: 2 material colors used (i.e.: red upper section and black lower section)



**V** = 1 1/2" diameter Velcro loop (1" wide) stitched to outside of 4 3/4" x 3 1/8" black belting shoulder chafe.



**H1** = 10" Reflective strips stitched to front & back shldr straps & Velcro chest strap.



**N** = 2" dia. loops in 1" bl web stitched to both shldr straps 5" above the Velcro loop chest strap adjustment buckles.



**T2** = Harness made w/o leg strap elastic bands & leather chafes and with 2" plastic slide buckle.



**V9** = Cool Max padded shell and leg pads (green with gray type 13 webbing)



**I** = 1 3/4" dia. elastic band (3" width) used to retain shock absorber on back of harness.



**N1** = chafe loop attached to left shldr strap & used to attach snap hook.



**T3** = Harness made w/o leg strap leather chafe & with 2" plastic slide buckle.



**Z12** = 5 labels inside leather cover w/Velcro wrap (wallet style).



Indicates meets ASTM F887 Electric Arc Performance Requirements.



Phone: 1-800-937-BUCK (2825); Fax: 607-773-2425  
www.buckinghammfg.com

FALL PROTECTION

# Buckingham Standard Design Shock Absorbing Lanyards

**Buckingham Manufacturing** offers four different styles of shock absorbing lanyards. *Standard design* shock absorbing lanyards are returnable and can be ordered in 4', 4 1/2' and 6' lengths.




**Buckingham Manufacturing** also allows you to design a shock absorbing lanyard from our matrix, specifying connection options and lengths. We'll manufacture the shock absorbing lanyard to accommodate your needs. Matrix designed shock absorbing lanyards are not considered *standard design* and therefore are not returnable.

## Shock Absorbing Lanyards

The Buckingham deceleration lanyards reduce the impact force of a 220 pound (100 Kg) steel mass to less than 900 pounds (318 Kg) in a six-foot (1.8 m) free fall. By contrast, in the same test, the arrest force of a rope lanyard is in the area of 2400 lbs. (1089 Kg) and 2800 lbs. (1270 Kg) for a web lanyard. Shock-absorbing lanyards are not intended for work positioning, suspension or retrieval. When 600 lbs. of force is exerted, the Buckingham shock absorbing lanyard starts to expand which may extend an additional 3 1/2 feet (1.1 m) before arresting the fall. Shock absorbing lanyards and full body harnesses that have been in a fall should be discarded and replaced with new equipment.

### Fall Arrest System

The Buckingham shock absorbers can be used by a person weighing up to 350 lbs. including all tools and equipment.

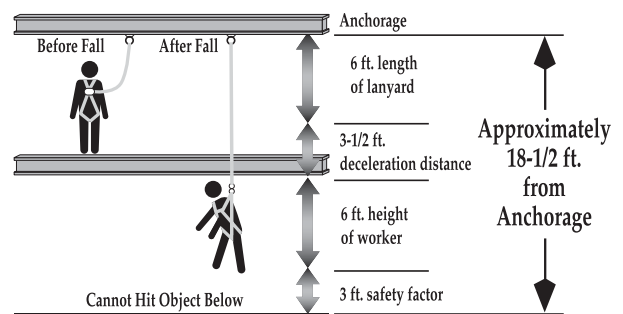
<b>Nylon Rope Lanyard</b>	<b>Nylon Web Lanyard</b>	<b>Buck Yard Buck Arrest Buck Stop</b>
		
<b>2,400 lbs.</b>	<b>2,765 lbs.</b>	<b>Less than 900 lbs.</b>

## Choosing the Correct Shock Absorbing Lanyard

There are two important factors to keep in mind when choosing a shock absorbing lanyard:

- Overall length of the lanyard

<u>Harness Dorsal Attachment</u>	<u>Recommended Lanyard Length</u>
Steel Dee Ring	6' (1.8 m)
Web Loop	6' (1.8 m)
18" Pigtail	4 1/2" (1.4 m)
24" Pigtail	4" (1.2 m)



- Dorsal attachment on a full body harness
  - When using a full body harness with a web loop dorsal attachment, only use a shock absorbing lanyard with a web loop [recommended] or a locking carabiner connector.



**NEVER USE A LOCKING SNAP HOOK WITH A FULL BODY HARNESS DORSAL WEB LOOP!**

- When using a full body harness with a steel dee ring dorsal attachment, only use a shock absorbing lanyard with a locking snap hook or a locking carabiner connector.

## Standard Design Shock Absorbing Lanyards

The **Buckyard** has the flexibility of a standard web or rope lanyard with the benefit of a reduced arresting force. The tubular nylon exterior may expand 42" maximum while the interior material stretches to reduce the arresting force to less than 900 pounds. The Buckyard is available in 4, 4 1/2 ft. and 6 ft. non-adjustable lengths. **When ordering an FR lanyard, add the 'S1' suffix to the model #; e.g.: 84V116S1.**



84V114



8V116S1

**FOR FULL BODY HARNESS w/STEEL RING DORSAL ATTACHMENT**

**Model**

8VV114  
8VV114.5  
8VV116

**FOR FULL BODY HARNESS w/WEB LOOP DORSAL ATTACHMENT**

**Model**

84V114  
84V114.5  
84V116

**Length**

4 feet (1.2 m)  
4.5 feet (1.4 m)  
6 feet (1.8 m)

(e.g.: 84V116: 6' (1.8 m) length with loop on one end and locking snap hook on the other for use on harnesses with a dorsal web loop.)

The **Buckyard Stretch** offers the same benefits as the Buckyard with the addition of elastic Bungee. This feature reduces a 6' lanyard to approximately 44" greatly reducing trip hazards while climbing in and out of an aerial basket. The Buckyard Stretch is available in 4, 4 1/2 ft. and 6 ft. non-adjustable lengths. **When ordering an FR lanyard, add the 'S1' suffix to the model #; e.g.: 84V716S1.**



84V714.5



8V714.5

**FOR FULL BODY HARNESS w/STEEL RING DORSAL ATTACHMENT**

**Model**

8VV714  
8VV714.5  
8VV716

**FOR FULL BODY HARNESS w/WEB LOOP DORSAL ATTACHMENT**

**Model**

84V714  
84V714.5  
84V716

**Length**

4 feet (1.2 m)  
4.5 feet (1.4 m)  
6 feet (1.8 m)

(e.g.: 84V716: 6' (1.8 m) length with loop on one end and locking snap hook on the other for use on harnesses with a dorsal web loop.)



Indicates meets ASTM F887 Electric Arc Performance Requirements.

## Standard Design Shock Absorbing Lanyards

The **Buck Arrest** features a 16" shock pack covered by a water resistant nylon tube that reduces the bulkiness of the pack on the back. **Not Available in 'FR'.**



### For Full Body Harness w/Web Loop Dorsal Attachment

Fixed Length Woven Nylon with Locking Snap Hook on One End and Web Loop on the Other End

Model	Length
64V114	4 feet (1.2 m)
64V114.5	4.5 feet (1.4 m)
64V116	6 feet (1.8 m)

Adjustable Length Woven Nylon with Locking Snap Hook on One End and Web Loop on the Other End

Model	Length
-	-
-	-
64V126	6 feet (1.8 m)

### For Full Body Harness w/Steel Ring Dorsal Attachment

Fixed Length Woven Nylon with Locking Snaps on Both Ends

Model	Length
6VV114	4 feet (1.2 m)
6VV114.5	4.5 feet (1.4 m)
6VV116	6 feet (1.8 m)

Adjustable Length Woven Nylon with Locking Snaps on Both Ends

Model	Length
-	-
-	-
6VV126	6 feet (1.8 m)

The **Buck Stop** features a 6" shock pack covered by clear shrink tube making inspection easy. **When ordering an FR lanyard, add the 'S1' suffix to the model #; e.g.: 54V116S1.**



### For Full Body Harness w/Web Loop Dorsal Attachment

Fixed Length Woven Nylon with Locking Snap Hook on One End and Web Loop on the Other End

Model	Length
54V114	4 feet (1.2 m)
54V114.5	4.5 feet (1.4 m)
54V116	6 feet (1.8 m)

Adjustable Length Woven Nylon with Locking Snap Hook on One End and Web Loop on the Other End

Model	Length
-	-
-	-
54V126	6 feet (1.8 m)



5VV116S1

### For Full Body Harness w/Steel Ring Dorsal Attachment

Fixed Length Woven Nylon with Locking Snaps on Both Ends

Model	Length
5VV114	4 feet (1.2 m)
5VV114.5	4.5 feet (1.4 m)
5VV116	6 feet (1.8 m)




Adjustable Length Woven Nylon with Locking Snaps on Both Ends

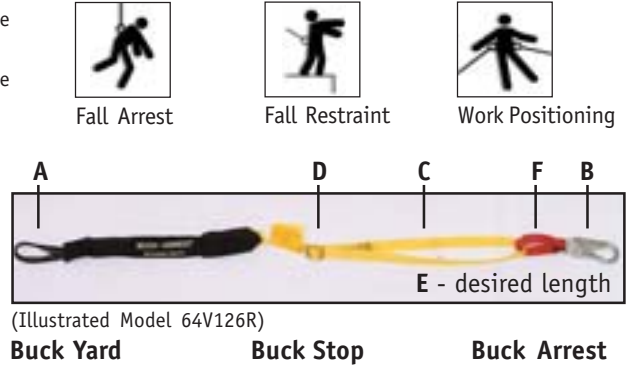
Model	Length
-	-
-	-
5VV126	6 feet (1.8 m)



Indicates meets ASTM F887 Electric Arc Performance Requirements.

# Matrix for Buckingham Shock Absorbing/Work Positioning Lanyards

	A	B	C	D	E	F
	(Hardware for both Ends Except Items with (*) for End #2 Only)			X	X	
<b>DECELERATOR/WORK POSITIONING</b>	<b>HARDWARE (END #1 ATTACHED TO USER)</b>	<b>HARDWARE (END #2 ATTACHED TO ANCHOR)</b>	<b>MATERIAL WEB/ROPE</b>	<b>FIXED OR ADJUSTABLE</b>	<b>OVERALL LENGTH</b>	<b>OPTIONS</b>
5-BUCK STOP	0 = 3/4" eye for carabiner	L = 1705 Rope Snap	1 = 1" Yellow polyester web; 5,6, 7 Series Only	1 = Fixed	4 = 4'	D = Dual Lanyard
6-BUCK ARREST	4 = Standard Half-hitch loop	M = Permanently Attached	1 = 1 3/16" Green Nylon tube; 8 Series Only	2 = Adjustable	4.5 = 4 1/2'	R = Rescue Loop
7-WORK POSITIONING LANYARD	6 = 3" Nylon Loop - Dual Lanyards Only	R = 2 1/2" Ladder Hook 3130*	3B = 5/8" Polyester 3 Strand Rope		5 = 5'	V = Velcro Sewn at Anchor End of Lanyard
8-BUCK YARD	+4 = 2 1/4" locking ladder snap 3035*	U = 5005SAE Auto Locking Captive Eye Carabiner	4 = 1/2" Multiline Rope (3 strand)		6 = 6'	W = Leather Wear Guard
	+6 = Aluminum Body Locking Rope Snap	V = 1706 Snap	4A = 5/8" Multiline Rope (3 strand)			W5 = Clear Plastic Tube Wear Guard
	+7 = 1709 Rope Snap	Z = 1 3/4" Ladder Hook Model 3129*	4B = 3/4" Multiline Rope (3 strand)	 Fall Arrest	 Fall Restraint	 Work Positioning
	+J = 2" offset carabiner*	+H = Model 30341 Large Locking Rebar Hook*	7 = Green Nylon Tube w/ elastic core; 5,6, & 8 Series Only			
	8 = 1704 Swivel snap	+K = Model 1711 Roto-Snap	8A = 1/2" Blue Streak Rope			
	A = Aluminum Carabiner Self-Locking 5005SA	+N = Model 1710 Aluminum Locking Snap	8G = 5/8" Double Braid Rope			
	D = Steel Carabiner Self-Locking Model 5005	+T = 1712 Snap				



## Hardware Used with Shock Absorbing Lanyards (see following pages for carabiner options)



**1712 (Option +T); Locking Rope Snap:** 1" (25mm) eye, .625" (16mm) opening, 5.875" (15cm) long. Rated to 5000 lbf., 3600 lb side and gate load



**30341 (Option +H); Large Locking Rebar Hook:** 15/16" (24mm) eye (I.D.), 3 11/32" (85mm) opening, 13" (330mm) length. Rated to 3968 lbf. (17kn). Meets 5000 lb. rating. Only to be used on shock absorbing style lanyards.



**1706 (Option V); Locking Rope Snap:** 1" (25mm) eye, 15/16" (24mm) opening, 6" (152mm) long. Rated to 5000 lbf. (22kn)



**3035 (Option +4); Locking Ladder Snap:** 1" (25mm) eye (I.D.), 2.25" (57mm) opening, 8.75" (222mm) length, 1 lb. 4 oz. weigh. Rated to 5000 lbf. (22kn)



**1705 (Option L); Locking Rope Snap:** 1" (25mm) eye (I.D.), .812" (20.6mm) opening (keeper to bill in open position), 5 1/2" (140mm) length, 9.6 oz weight. Rated to 5000 lbf. (22kn)



**3129 (Option Z); Small Locking Ladder Snap:** 1" (25mm) eye (I.D.), 1.750" (44.5mm) opening, 8 1/8" (206mm) length, 1 lb. 3 oz. weight. Rated to 5,000 pounds (22kn)



**1708 (Option +6); Aluminum Body Locking Rope Snap Hook:** 7/8" (22mm) eye (I.D.), .718" (18mm) opening, 5 1/4" (133mm) length, 5.4 oz. (154gm) weight. Min. tensile strength 5600 lbs. (24kn)



**3130 (Option R); Large Locking Ladder Snap:** 1" (25mm) eye (I.D.), 2.5" (63.5mm) opening, 9 3/4" (248mm) length, 1 lb. 8 oz. weight. Rated to 5000 lbf. (22kn)



**1711 (Option +K); Alloy Steel RotoSnap:** .670" (17mm) gate opening, 5 3/16" (132mm) long, 11.2 oz. weight. Min. tensile strength 10,000 lbs. and min. gate/side load 5000 lbs



**1709 (Option +7); Steel Locking Snap Hook:** 1" (25mm) eye (I.D.), 3/4" (19mm) opening, 6 1/8" (156mm) length, 10.2 oz. (290gm) weight. Min. tensile strength 5000 lbs. (22kn)



**5005SAE (Option U); Auto Lock Aluminum Carabiner with eye:** .71" (18mm) opening; 5 1/4" (133mm) length; Rated to 5620 lbs (25kn)



**1710 (Option +N); Locking Aluminum Snap:** .75" (19mm) eye (I.D.), .875" (22mm) opening, 5.375" (137mm) length. Rated to 7,200 pounds (32.7kn)

\*Will be available with 3600 lb side and gate load. Call for more information.

# Buckingham Retractable Lanyards

The retractable lanyard automatically extends and retracts to allow user mobility. This unit utilizes an inertia-brake mechanism which locks when 5" of material pulls out per second to restrain the worker to a fall of less than 12". Meets all applicable ANSI standards.



Fall Arrest



Fall Restraint

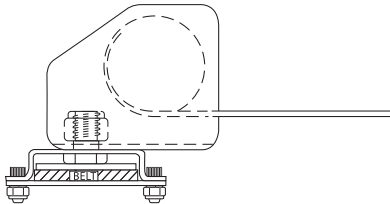
5008	A	B	C	D	OPTIONAL
RETRACTABLE UNIT	LENGTH IN FEET	SWIVEL	(Hardware for both ends except when noted) CONNECTING DEVICE-FRAME END	CONNECTING DEVICE-LANYARD END	OPTIONS
	6'	0=NONE	0 = 1" dia. Integral loop with wear piece	F = 1 3/4" ret. lanyard bracket (frame end only)	A1 = Rubber boot for carabiner
	8'	3=5/16 Swivel w/Bolt & Nut	2 = dee ring	L = 1705 lock snap	K= Signifies Buck Stop Pack only Attached to lanyard end
	10'		3 = steel carabiner triple lock	P = retrieval dee ring	
			8 = 704 swivel snap	R = 3130 2 1/2" ladder hook	
			9 = 2 1/4" ladder hook	S = black powder coated retrieval dee ring	
			+1 = Attached to 3809R by means of 'F' bracket (frame end only)	T = 7 1/2" captive eye rebar hook	
			+2= 5555SA carabiner	U = alum. carabiner w/ eye	
			+3= 5005L1 carabiner	V = 1706 locking snap	
			+4=2 1/2" ladder hook stamped	X = 1 1/2" dia integral loop w/ wear piece	
			+6= Lock rope snap, alum. body -stamped	Z = 3129 ladder hook 1 3/4"	
			+7= lock rope snap stamped	+B = 99E locking snap hook	
			A = alum. carabiner 5005SA self-locking	+C = small lock ladder hook	
			B = 3034 large ladder snap	+D = 2" ret. lanyard bracket (frame end only)	
			D = steel carabiner 5005 self-lock	+N = Attac carabiner 223516	
			E= quick link (frame end only)		



Model 5008-83EV



Swivel (B Option)  
Option3 - with Bolts

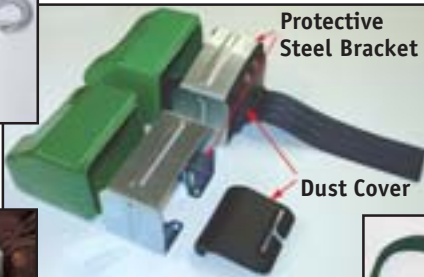


Body Belt Mounting Bracket:  
Option F - fits 1 3/4" belt strap.  
Option +D - fits 2" belt strap.

## Popular Models



5008-103EV



Protective Steel Bracket

Dust Cover



5008-80FV

**Steel Bracket** protects the internal components; available on 8' models only.

**Dust Cover** prevents web from twisting inside the unit.



5008-83RV



**Ratchet Boom Strap Model 3809R**  
(5000 lbs. rated)  
The ratchet boom strap provides a secure anchor on the bucket truck boom.

**5008-80+1V Retractable Lanyard** For use in an aerial lift truck. Attaches directly to boom.



## Carabiners



### 5005SA (Option A) Auto Lock Aluminum Carabiner

Length - 4 1/2" (114mm)  
Opening - 3/4" (19mm)  
Breaking Strength - 6700 lbf (30kn)



### 5005L2 Steel Twist Lock Carabiner

Length - 7 1/8" [178mm]  
Opening - 1 1/8" [28mm]  
Breaking Strength - 10,120 lbs. (45kn)



### 5005 (Option D) Auto Lock Steel Carabiner

Length - 5" (127mm)  
Opening - 1" (25mm)  
Breaking Strength - 6351 lbf (28kn)



### 5005M Screw Gate Steel Carabiner\*

Length - 4 1/2" (114mm)  
Opening - 1" (25mm)  
Breaking Strength - 11,240 lbs.



### 5005T Twist Lock Steel Carabiner

Length - 4 1/4" (108mm)  
Opening - 1" (25mm)  
Breaking Strength - 8,992 lbs.



### 5005L1 Steel Twist Lock Carabiner

Length - 9" (225mm)  
Opening - 2" (51mm)  
Breaking Strength - 9,220 lbs. (41kn)



### 5005K Steel Auto Lock Carabiner

Length - 4 1/2" (113mm)  
Opening - 1" (25mm)  
Breaking Strength - 6,747 lbs. (30kn)



### 555WS1 Tri-Act Carabiner

Length - 4 5/8" (115mm)  
Opening - 1" (25mm)  
Breaking Strength - 5,625 lbs. (25kn)



### 555SA Ball Lock Aluminum Carabiner (Option +2)

Length - 4.25" (108 mm)  
Opening - .826" (21 mm)  
Breaking Strength - 6,295 lbs. (28 kn.)



### 555WSA William Ball Lock Aluminum Carabiner

Length - 4 5/8" (115mm)  
Opening - 1" (25mm)  
Breaking Strength - 5,625 lbs. (25kn)



### 555S1 AM'D Aluminum Carabiner

Length - 4.25" (108 mm)  
Opening - .826" (21 mm)  
Breaking Strength - 6,295 lbs. (28 kn.)



1711 (Option +K); Alloy Steel RotoSnap:  
43/64" (17mm) gate opening, 5 3/16" (132mm) long, 11.2 oz. weight. Min. tensile strength 10,000 lbs. and min. gate/side load 5000 lbs

**\*WARNING: NOT INTENDED FOR HUMAN SUPPORT OR FALL PROTECTION**

# Tower & Rescue Harnesses for Steel Structure Fall Protection

Our *standard design* Tower & Rescue Harnesses are designed to accommodate the Tower Workers' need for work positioning, suspension, fall protection and retrieval for rescue. A body belt is added for comfort and to attach a work positioning strap, tools & pouches.

## HARNES SIZING MATRIX CHEST SIZE



HEIGHT	34-36	38-40	42-44	46-48	50-54	56-60
5' 4"- 5' 7"	S	S	M	L	X	XX
5' 8"- 5' 11"	S	M	L	X	XX	XXX
6' 0"- 6' 3"	M	M	L	X	XX	XXX
6' 3" +	L	L	X	X	XX	XXX

S = Small; M = Medium; L = Large; X = Extra Large; XX = 2X; XXX = 3X.

### Order by adding Suffix S, M, L, X

Fit is important to comfort. Be sure to allow for wear over heavy clothing.

Size	Typically Fit for A Person With Waist Size
Small	28-32
Medium	32-36
Large	36-40
X-Large	40-44

## The Buckingham Premier Tower Harness

Model 61995



'H' style full body harness with built in body belt featuring:

- Dri-lex® shell that fits like a vest and wicks moisture away from the user.
- Dri-lex® shoulder and leg pads to add to overall comfort. Buckingham's patent pending split tongue Quick Connect Buckles on the chest and leg straps.
- Steel Dee dorsal attachment.
- Spring loaded friction buckles for height adjustment.
- Frontal chest Dee ring adjusts up and down independently of the shoulder straps allowing the user to correctly position when using a ladder climb system.
- PVC shoulder loops to stow lanyard hardware when not in use.
- Made from Type 13 nylon webbing with silver upper and black lower sections.

Body belt features include:

- Specially designed work positioning Dee rings to ease the attachment of a positioning strap by restricting Dee ring swing.

- Leather tool loops and an accessory snap and ring for tool storage.
- A grommet tongue buckle to fasten the waist belt; and a 5" [12.7cm] wide belt with thick padding and built in stiffener for maximum comfort.

The modular suspension system can be entirely removed if desired and includes:

- A rigid batten seat with padding for maximum comfort (batten can be removed for those preferring a soft seat).
- Elastic retainers with snap fasteners on seat section to stow suspension Dee rings out of the way when climbing.
- Meets all applicable ANSI & OSHA standards.
- Order by adding size suffix S, M, L, X, to part number; non-standard sizes available upon request.

## Tower & Rescue Harnesses



603K469E3T9



An 'X' style full body harness with built in body belt and featuring:

- Interlocking torso buckles for height adjustment.
- Grommet leg straps.
- Steel Dee ring for dorsal attachment.
- Removable cushioned shoulder pads with nylon loops to stow lanyard hardware when not in use.
- Made from Type 13 nylon webbing with orange upper and black lower sections.

Body belt features include:

- Specially designed work positioning Dee rings to ease the attachment of a positioning strap by restricting Dee ring swing.
- Leather tool loops and an accessory snap and ring for tool storage.
- Elastic retainers, with snap fasteners, on the seat section to stow suspension Dee rings when climbing.
- A grommet tongue buckle to fasten the waist belt and a 5" [12.7cm] wide belt with thick padding for maximum comfort.
- Meets all applicable ANSI & OSHA standards.
- Order by adding size S, M, L, X, to part number; non-standard sizes available upon request.

61990



An 'H' style full body harness with built in full float body belt and featuring:

- Interlocking chest strap buckle.
- Standard friction buckles for height adjustment.
- Interlocking leg strap buckles.
- Steel Dee dorsal attachment.
- None removable shoulder and leg pads for added comfort.
- Steel Dee rings on shoulders to aid in rescue and retrieval.
- Reinforced web loops at the chest that can be used for controlled descent, rescue or ladder climb system.
- An umbilical Dee ring ideal for rope access work.
- Made from Type 13 nylon webbing with orange upper and black lower sections.

Body belt features include:

- Specially designed work positioning Dee rings to ease the attachment of a positioning strap by restricting Dee ring swing.
- Leather tool loops, tool pouch tabs and an accessory snap and ring for tool storage.
- Friction buckles to secure the body belt and 1" [2.54cm] adjustment straps for proper body belt placement.
- Meets all applicable ANSI & OSHA standards.
- Order by adding size suffix S, M, L, X, to part number; non-standard sizes available upon request.

61993



A 'Y' style full body harness with built in body belt and featuring:

- The Buckingham's patent pending split tongue Quick Connect Buckles:
- on the leg straps for ease of use & at the umbilical & shoulder strap positions to work in conjunction with a back mounted friction buckle to adjust for height.
- A sternum Dee ring that adjusts up & down independently of the shoulder straps allowing the user to correctly position for rescue or when using a ladder climb system.
- Steel Dee dorsal attachment.
- Specially designed back chafes & rounded shoulder pads to prevent chafing on neck.
- Padded individual leg straps for superior mobility and comfort.
- Made from Type 13 nylon webbing with orange upper and black lower sections.

The light weight body belt features include:

- A rigid back pad for maximum support.
- Specially designed work positioning Dee rings to ease the attachment of a positioning strap by restricting Dee ring swing.
- Leather tool loops, tool pouch tabs and accessory loops for tool storage.
- Friction buckles to secure the body belt.
- A float system that allows the user to position the body belt and harness independently for maximum comfort.
- Meets all applicable ANSI & OSHA standards.
- Order by adding size suffix S, M, L, X, to part number; non-standard sizes available upon request.

## Dual, Specialty & Tie Back Shock Absorbing Lanyards

Buckingham Manufacturing offers a wide variety of dual and tie back shock absorbing lanyards for 100% fall protection while climbing and working on transmission towers, cell towers and steel structures.

### Dual & Specialty Shock Absorbing Lanyards

**Model 8+66716D+JW4** is a dual legged shock absorbing lanyard that weighs in at just 3 lbs. and features lightweight aluminum hardware. The auto locking 2" offset gate and double locking aluminum snap help keep weight to a minimum. A stretch core automatically contracts lanyard length preventing it from becoming tangled when not in use and while climbing.



8+66716D+JW4

**Model 8+66716D+J+6W4** is available with an aluminum double locking rope snap piggybacked with large auto locking carabiners so that users can tie off to step bolts.



8+66716D+J+6W4

The **Model 54671RDR** BuckStop Dual Lanyard features two 3130 Locking Ladder Snaps that have a 2 1/2" gate opening. Red rescue loops facilitate the rescue of an injured worker.



546716RDR

The **Model 8VB716R** Buckyard Stretch Shock Absorbing Lanyard features a 3034 snap that has a 3 11/32" gate opening. This snap eliminates the need for a separate anchor sling.



8VB716R

### Tie Back Shock Absorbing Lanyards

The **Model 64V7A26E** Tie Back Lanyard is designed to be wrapped around a 5,000 lb. anchor and connected back to itself via an adjustable dee ring. Should the user fall, the force is reduced with a built-in shock absorbing pack. The anchor-age lanyard may be ordered in lengths greater than six feet to allow the user to wrap to the anchor point and still have freedom of movement. A green nylon web tube is used to protect against abrasion.



64V7A26E

The **Model 5V+K116** BuckStop Tie Back Shock Absorbing Lanyard features a 1711 roto-snap captive eye steel carabiner with a 5000 lb. rated gate making it safe and easy to 'tie back' to itself. One inch wide polyester web has a red warning center to alert the user of excessive wear.



5V+K116

## Work Positioning Lanyards & Straps



**Model 7+N08A15A2M** is a lightweight work positioning strap that features a micro adjuster for ease of use. A double locking aluminum snap hook is used to keep the overall weight under 2 lbs. A protective sleeve is included to protect the rope from excessive wear. Overall length is 5' [1.5m].

The **Model 7VV7A13B+4** rebar assembly has polyester webbing and easy to use 1706 locking snaphooks. The locking rebar snap has a 2 1/4" gate opening. The 1" polyester webbing has a red warning center to indicate excessive wear or cuts, and is encased in a nylon tube to protect against abrasion (36" length). Please indicate desired length when ordering.



**Model 7VV7A13B+4**

**Model 496099E**



<u>Model</u>	<u>Length</u>
494299E	5' 8"
496099E	6'
496699E	6' 6"
497099E	7'
498099E	8'



**Model 7VV3B26**

5/8" diameter 3 strand rope lanyard. A sliding Prusik knot makes adjustment easy. Premium polyester construction enhances abrasion resistance.

<u>Model</u>	<u>Length</u>
7VV3B26	6'
7VV3B27	7'
7VV3B28	8'

Web lanyards are made of 1" wide polyester web with a contrasting center color to alert the user of excessive wear. The high tensile material is impregnated with latex for resistance to abrasion and provides extra durability. A friction buckle provides adjustment for length. Length designations represent maximum adjustment.



**Model 7VV126**

<u>Model</u>	<u>Length</u>
7VV124	4'
7VV125	5'
7VV126	6'
7VV127	7'
7VV128	8'

# Tower Fall Protection Buck Hooks



For Towers, Substations and Ladders  
The Buck Hooks offer fall protection from ground to elevated heights back to ground. The system can be used in conjunction with two retractable lanyards and a shock absorbing lanyard or a 5/8" rope and rope grab.

**Note:** The 50371 style head may be ordered with the universal head adaptor by ordering 50371U.



Fall Arrest



**Model 50371U**  
Universal Adapter

**Model 50361**



**Model 50371**



**Model 50362** Push button connection

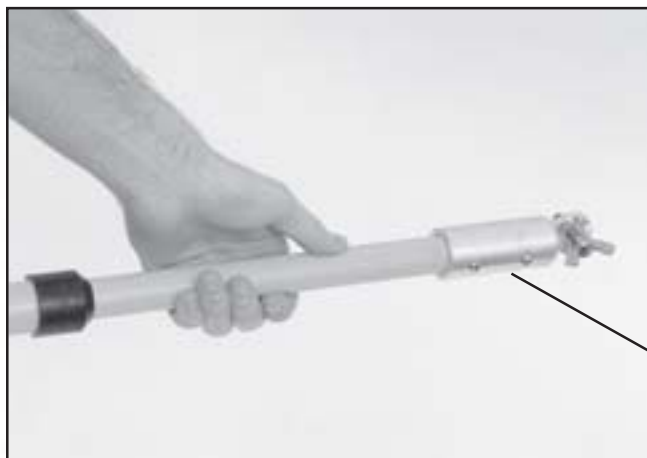


User will climb up tower while the rope grab travels up the 5/8" rope. If the user has to climb higher, a positioning strap will be secured to prevent a fall while the Buck Hook is moved up.

The next person that needs to climb the tower will use the 5/8" rope that is already suspended from the top. To climb down, the last man down will reverse the ascent procedure with the Buck Hook.

## Model 50362U

Has Universal Adapter with twist lock extension to lengthen pole.



All Rope Grabs must be used with synthetic type ropes.

## Fiberglass Adjustable Poles

An adjustable fiberglass pole with a push button to attach and release the 50361 and 50371 heads. Two pole sizes are available:

Push Button Model	Universal Model	Adjustable Size
50362	50362U	8'-16'
50364	50364U	8'-24'

For pole with universal adapter add the suffix 'U' to the desired pole length.

Universal head and twist lock adjustment

FALL PROTECTION

## Rope and Cable Grabs



### Model 5004

Stainless steel 5/8" Rope Grab moves freely up and down until a fall occurs. The downward pull will stop the fall by locking the CAM to the rope.



### Model 5004T

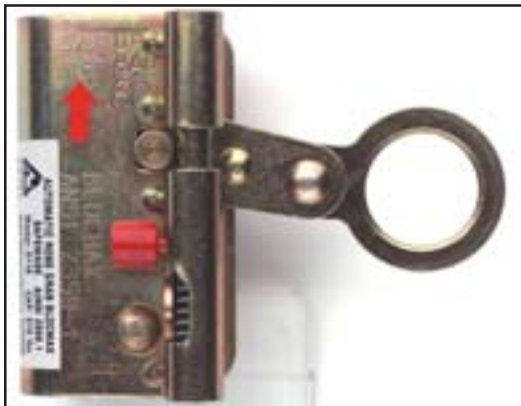
This Rope Grab is made to fit 5/8" and 3/4" rope. The grab is made of high quality aluminum alloy with dual cams for better braking. This grab will move freely up and down until a fall occurs.



### Model 5013

This Cable Grab is designed to work on 3/8" cable. Should the user fall while ascending or descending, the cable grab will lock onto the cable preventing the user from falling more than one foot.

**Model 5012** for use on 5/16" cable.



### Model 5004F

5/8" Rope Grab moves up and down the rope with user until a fall happens, then it locks to the rope. This rope grab also has the added feature of a park brake, so the user can lock the grab above their head while working to minimize the fall distance.



### Model 3032L

Easy to use locking spreader snap.  
Overall Length - 9 3/4"  
Eye Diameter - 1"  
Rated to 5000 lbs.

### Dual Retractable Lanyard Model 5008-D



The Buckingham dual retractable lanyard is made of two retractable lanyards, a shock absorbing pack, two steel carabiners, and two aluminum carabiners. The unit has an overall length of 17'. If a fall should occur, and the shock absorbing pack deploys, the 5008-D can extend up to an additional 42".

# Tower Fall Protection Step Bolts and Flanges

The three mandatory components of fall protection are:

**A - Suitable Anchorage**

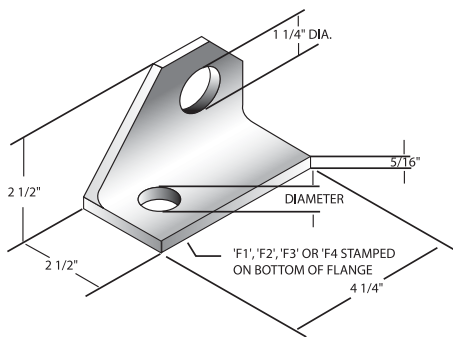
**B - Body Support**

**C - Connecting Device**



Without any one of the three components the fall protection system will not work. To fulfill a need to provide tower climbers the ability to stay continuously attached to the steel pole or lattice tower, Buckingham, working with Duke Energy, has developed a method to do this easily and safely.

## Anchorage



## Model 30



### Flange:

Bolt Hole Diameter	
30-F1	11/16"
30-F2	15/16"
30-F3	13/16"
30-F4	1 1/16"

## Model 3058



### Step bolts with anchor:

3058	5/8" diameter thread
3075	3/4" diameter thread
Overall Length:	8 1/2"
Thread Length:	5"
Tread Length:	2 1/2"
Rated	5000 lbs.

For new construction, insert a step bolt every third step. For existing towers, install flange under every third step. It only takes an additional three minutes per 100 feet to climb using this system.

## Model 3075

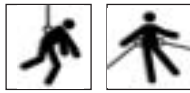


## Model 30-F1



Use a dual lanyard to ascend and descend.

FALL PROTECTION



## BuckSqueeze Wood Pole Fall Protection System



A wood pole fall protection system to fall protect line personnel from the ground to the elevated work position and back to the ground. The BuckSqueeze user hitchhikes up and down the pole using the cross over strap and the paddle. If the user starts to fall, the strap grips the pole, securing the user and preventing a fall. While climbing over obstructions, the user can secure a retractable lanyard or a second positioning strap prior to removing the BuckSqueeze.

The BuckSqueeze is easy to adjust to accommodate the size of the pole and its BuckTooth (Model 485) accessory can be added when climbing iced poles or for added security in the event of a cut out.

**Model 483D** For distribution poles with up to a 50" circumference

**Model 484T** For transmission poles with up to a 90" circumference

**Order a BuckSqueeze Training Video from Customer Service at 1-800-937-BUCK (2825).**

Buck Tooth used for climbing icy poles.

### ROPE LANYARD with MICRO-ADJUSTER



7V08A18FGMSW5

### Retractable Lanyard



- 5008-80F+N with a 1 3/4" wide swivel plate.
- 5008-80+D+N with a 2" wide swivel plate.

### Adjustable Web Lanyard



4811Y

#### Proper Placement



Placing the hardware on the pole, as shown in the adjacent picture, represents proper adjustment and helps prevent pressure on the hips.

#### Adjustment Made Easy



The friction buckle allows for quick and easy adjustment of the working distance from the pole.

#### Safely Crossing an Obstacle



8' Retractable Lanyard mounts on the body belt & secures the user when climbing over obstacles. For 2" wide swivel plate 5008-80+D+N.



A second positioning strap, Model 4811Y, can also be used to secure the user when climbing over obstacles. (See p. 44 for web lanyard information.)

# Buckingham Retractable Lifeline and Anchorage Devices

## Retractable Lifeline

### Model 5201-50

Retractable lifelines are ideal for persons susceptible to a slip or fall from elevated heights. Should the user fall, a centrifugal braking mechanism engages to limit the free fall to less than two feet (.6 m). The simple rules of fall protection requires a suitable anchor, a connection device such as a retractable lifeline and a full body harness. Shock absorbers should always be used to protect the user and reduce force applied to the anchor point. Rated at 350 lbs.



Model 5201-50

**Model 5201-25**  
25 ft. (7.6 m) of galvanized cable

**Model 5201-50**  
50 ft. (15.2 m) of galvanized cable

**Model 5201-100**  
100 ft. (30.4) of galvanized cable



Fall Arrest

### Note:

If Kevlar desired add suffix K  
example 5201-25K

If stainless desired add suffix S  
example 5201-25S

For steel stamped housing model add suffix 'SH' to the model

## Model 5203 Buckingham Harness Beam

The answer to OSHA 1910.269 when training (unqualified) wood pole climbers.

- Full 360° Ball Bearing rotation for traditional climber training
- Provides a 5400 lb. anchor point (OSHA 29CFR 1910.269)
- Requires no pole drilling
- Weighs approximately 160 lbs.
- Adjustable to fit over a max. 9.5" diameter pole top\*
- 36" Arm length (Center pole to arm end)
- Center lifting eye
- Limits arresting force to less than 900 lbs. when used in conjunction with a quality retractable lifeline and full body harness
- Installation on a 45' class 3 pole takes less than 10 minutes
- Eight bolts to secure to pole



5203

\*To fit poles with a 12" diameter top order Model 5203-12.

### Dual harness beam - two trainees are fall protected.



Model 52032



Model 52032

### \*New Feature - Leveling footpads



Model 5203

# Fall Protection for the Apprentice Line Personnel

## The Buck Trainer

The Buck Trainer is a reliable apprentice fall protection 5000 lb. anchor that rotates 250°. It can be attached to any pole up to a 9" diameter at any height by a qualified climber and a groundman. This unit is ideal to transport to remote areas to field test potential apprentices before sending them to the actual training facility.

All parts included to secure to pole:

- Ratchet strap to lift Buck Trainer with handline
- Bolts and nuts
- Mounting brackets
- Carabiner to mount lifeline

Retractable Lifeline sold separately.

Benefits and specifications of the Buck Trainer

- Fits a pole with diameter up to 9"
- Mounts anywhere on pole
- Rotates 250°
- Keeps climber 36" from pole
- Tested to 5000 lbs.

Model 5204



## Specialty Products

### Rescue Buck Model 694



Rescue Buck is ideal for pole top rescue training, retrieval training and fall protection testing. You can fill rescue Buck with recycled tires to the desired weight.

Height - 5' 6" (1.68 m)

#### 694F1

Buckmix rubber pellets: 50 lb. bag.

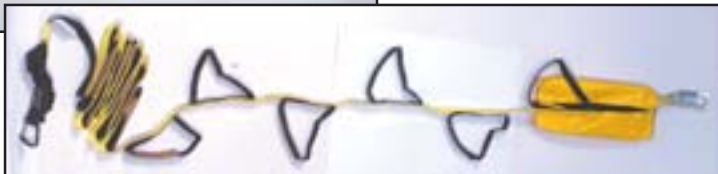


## After Fall Self-Rescue System... 102SR or 102SRS

An employee working alone subjected to a fall from a bucket truck could be suspended for hours if no assistance is available. With the 102SR or 102SRS, the victim subjected to a fall can easily climb back into the basket, reducing the risk of suspension trauma. When the person falls, the 102SR systems deploys a fifteen foot (15') webbed ladder allowing them to ascend back to the bucket and safety.



**102SR**  
A longer pack that mounts to the bucket truck boom.



**102SRS**

A short pack that connects to an anchor point and hangs freely.



Steps spaced 8" apart and stiffeners are built-in to ease inserting foot.

To ascend the user climbs up the built-in steps.

## The Hurt Man Bucket Truck Basket Removal 3813

Should a fellow employee experience an accident where they fall to the bottom of the basket floor, removing them without a mechanical advantage can be near impossible. The 3813, with the stainless steel block and tackle provides a lifting ratio of 5 to 1 with 95' of double braid, 11 mm rope. Since harnesses are predominately used in bucket trucks, the ability to lift the victim higher is a must to clear the top of the basket. Buckingham has addressed this by a higher mount on the boom and a lower cord to deploy and activate the block and tackle system.

**3813**



Unit designed to stay on boom at all times.

**3813D1**



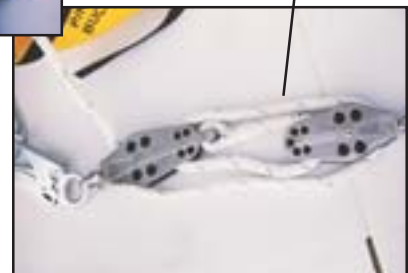
Boom strap with dee ring stays on boom. Rescue blocks are stored in a compartment of the line truck.



Non-slip adhesive rubber to prevent slippage.



Ratchet with built-in pin so once fastened it stays secured.



5 to 1 lifting ratio

FALL PROTECTION

# Bucket Truck & High Elevation Rescue Systems

## Model 101SR-50



### High Elevation Self-Rescue System

Should there be a need to self-rescue or rescue someone else from an elevated height, such as an inoperable bucket truck, the new Buckingham 101SR makes it easy. The Buckingham 101SR provides all the components required to self-rescue or if the need arises to rescue a fellow employee. The 101SR descender will automatically stop the user until the user compresses the handle allowing a smooth controlled descent. An additional built in (anti-panic) safety feature stops descent if the user compresses the handle too hard. This unit will allow the rescuer the advantage of lowering a hurt person with ease as well. The 101SR kit comes with retrofit rappelling straps that can be added to an existing harness for self-rescue.

**101SR-50** (50' 1/2" braided rope)

**101SR-75** (75' 1/2" braided rope)

**101SR-100** (100' 1/2" braided rope)

**4563** Bag only

Custom lengths available and packed in a back pack rope bag.

Order a 101SR Video from Customer Service at 1-800-937-BUCK (2825).

## The Dual Rescue Strap Model 7003



Reinforced loop used to attach descending device

Friction buckle used to take slack out of loop to victim

Reinforced eye used to attach to rescuer

Adjustable loop used to connect to victim

### Model 7003

Rescuing an injured co-worker has never been easier. The Dual Rescue Strap from Buckingham enables the user to safely and easily rescue a co-worker from an elevated position using our 101SR Self-Rescue System.



Model 4469B1-150

### Model 4469B1-150

Back Pack Rope Bag makes carrying the high elevation system aloft easy. Padded shoulder straps and a chest strap to keep shoulder straps in place while climbing. Three outside mesh pockets with Velcro closures. Includes quick adjust friction buckles, elastic strap retainers, fairlead drawstring closure system, poly battens and a carry handle. Available in 120', 150', 200', 225' and 300' models.

# High Elevation Rescue Systems

## Figure 8 Rescue Straps



Figure 8 Model 5009-36



Model 5009E-36, with ears, to prevent rope from slipping down and knotting at the bottom of the Figure 8.

The Rescue Pouch is designed to store a knife and a Figure 8 with strap in the front pocket. The main section of the pouch would be used to store tools and miscellaneous nuts and bolts.



Model 4579  
Canvas



Model 4578 Leather

Rescue Figure 8 straps are designed to be girth hitched on a structure to aid in a rescue of an injured victim. The strap is 36" long and made from 1" yellow webbing. The Figure 8 is made from aluminum and can either be ordered without 'ears' [model 5009-36], or with ears [model 5009E-36].

## Rescue Procedure

Should a worker fall, the rescuer has everything they need to lower the victim to the ground safely.

- The rescuer would rig the handline through the Figure 8 already secured to the structure [see photo below].
- The rescuer would then attach the handline to the victim's shock absorbing lanyard loop.
- The rescuer would then cut the red rescue loop on the shock absorbing lanyard and lower the victim to the ground.



Model 5009E-36 shown girth hitched on a structure.



Model 5009E-36 shown tied to a victim's shock absorbing lanyard.

## Vertical Life Lines and Anchor Slings



### Model 7V-4A150

5/8" diameter 3 strand vertical life line with a 1706 locking snap hook. A blended polyester/polyolefin rope is used to provide maximum life.

**Model 7V-4A150:** 50' Life Line

**Model 7V-4A1100:** 100' Life Line



### Model 7V-8G150

5/8" diameter 16 strand double braided rope vertical life line with a 1706 locking snap hook. This is a high strength, low stretch life line that is Samthane coated to resist wear.

**Model 7V-8G150:** 50' Life Line

**Model 7V-8G1100:** 100' Life Line



### Model 3901 Temporary Anchor Rated to 5000 lb.

A sling that allows user to make a half hitch around a secure anchor. Overall length is 72". (Available in any length; e.g. to order a 5' length use model number 3901-5).



### Model 3902 Temporary Anchor Rated to 5000 lb.

A sling that utilizes a small dee to pass through a larger dee making a secure anchor. Overall length is 72". (Available in any length; e.g. to order a 4' length use model number 3902-4).

## Roof Top Fall Protection Systems



**Model 3111** is designed to fall protect individuals installing roof top equipment. Roof top fall protection is required when working on sloped roofs or within 10 feet of the edge of flat roofs.

- **Model U6393600:** Full body harness.
- **BuckStop Model 5V+5113H** Deceleration Lanyard.
- **Model 7+K+K4A1100:** 100' of 1/2" diameter multiline rope with 2 locking rope snaps on opposite ends.
- **Model 45400R2-18:** Carry bag.
- **Model 16-16R-150:** 16 oz. red throw bag with 150' of attached slickline.
- **Model 4560:** Carry bag for throw bag and slickline.



### Model 3114

The Fall Arrest Solution for roofers designed as a temporarily installed anchorage connector on wood frame structures with lifeline components including:

- Full Body Harness
- Shock Absorber attached to Rope Positioner (compatible with 5/8" rope only)
- 50' of Multiline 5/8" rope
- Roof Anchor
- Nails
- Carry Bag

# Confined Space Retrieval Systems

When entering a confined space, a worker must be attached to an independent lifeline for adequate fall protection and retrieval. Buckingham's retrieval systems exceed all current OSHA and ANSI requirements. Read and follow the users manual enclosed with every system.

A complete retrieval system should consist of:

- 1) A man rated winch to be attached to personnel at all times during the descent and work below grade.
- 2) Tripod
- 3) Full Body Harnesses (See Harness Section)
- 4) Work Winch to raise and lower materials only.

Tripod, Man Rated Winch and Work Winch are purchased separately.



**D U R A B I L I T Y**



Fall Arrest



Retrieval

## COMPONENT OPTIONS

Capabilities	Model 5000 3 Way Winch	Model 5002 Work Winch	Model 5010 Personnel Winch
1) Arresting	Yes	No	No
2) Retrieval	Yes	Yes-Materials Only	Yes
3) Lowering	Yes	Yes-Materials Only	Yes

Above winches come in 50, 65 or 100 ft. lengths. Please designate length desired.

Winches may be purchased with spectra rope (Kevlar) as lifeline by adding suffix "K" to model number.



**Model 5000**  
5007 Pulley and carabiner sold separately.



**Model 5002**  
5007 Pulley and carabiner sold separately.



**Model 5010**  
5007 Pulley and carabiner sold separately.

FALL PROTECTION

## Winches Specifications

### Model 5000

Maximum Working Load	350 Pounds (136 kg)
Cable Speed to Engage Brake	4.5 Ft./Sec. (1.4 m/sec)
Stopping Distance	<24" (220# Wt. - No Free Fall) .6 m (100 kg)
Arresting Force	1200 Pounds (5.3 kn) (approx.)
Gear Ratio	5.5:1
Retrieval Speed	20 Ft./Min. (6 m/sec) (approx.)
Brake System	Friction Disk
Cable Length	50, 65 or 100 ft. (15, 20 or 30 m)
Weight	50 ft. (15 m) - 32 lbs. (14.5 kg) 65 ft. (20 m) - 35 lbs. (15.9 kg) 100 ft. (30 m) - 50 lbs. (22.7 kg)
Housing	Aluminum Alloy
Rope Drum	Aluminum Alloy
Shaft	Stainless Steel
Mainspring	Spring Steel
Brake Pawls	Stainless Steel
Brake Cog	Stainless Steel
Bearings	Ball Bearings
Brake Pad	Composite
Cable	Galvanized Steel Stainless Steel Kevlar Rope

BUCKINGHAM WINCHES (Made in the USA)

## ACCESSORIES

### Pulley Model 5007



### Retrieval Yoke w/Two 36" (.9mm) Legs Model 72

Uses two locking snaphooks, 1 3/4" (44.5 mm) nylon web and a 5000 lb. (22.2 kn) rated dee ring.



Retrieval



## Tripod Specifications

### Model 5003 7 Foot Tripod

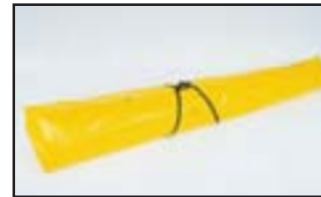
### Model 50039 9 Foot Tripod

Maximum Static Load	5400 pounds	5400 pounds
Maximum Work Load	350 pounds	350 pounds
Height With Legs	84"	108"
at Maximum Extension	84"	108"
at Minimum Extension	48"	96"
Distance Between Feet		
at Maximum Extension	56"	68"
at Minimum Extension	36"	45"
Upper Legs		
Aluminum Extrusion Wall Thickness	1 3/4" x 1 3/4" o.d. 1/8"	1 3/4" x 1 3/4" o.d. 1/8"
Lower Legs		
Aluminum Extrusion Wall Thickness	1 1/2" x 1 1/2" o.d. 1/8"	1 3/4" x 1 3/4" o.d. 1/8"
Adjustment Lengths	2 3/4"	2 3/4"
Permanently Attached Push Pin	Galvanized Steel 3/8" dia.	Galvanized Steel 3/8" dia.
Feet	Cast Aluminum	Cast Aluminum
Rubber Pad	6 1/2" x 3" W x 2" H 5 1/4" x 2 1/2" W	6 1/2" x 3" W x 2" H 5 1/4" x 2 1/2" W
Head	Cast Aluminum	Cast Aluminum
Forged Anchor Bolts	5/8" x 6"	5/8" x 6"
Pre-drilled Leg Locks	3/8" x 4"	3/8" x 4"
Leg Chains	168"	192"
Weight	40 pounds	46 pounds



### Model 5000B

Carry bag for retrieval system winch.



### Model 50037B

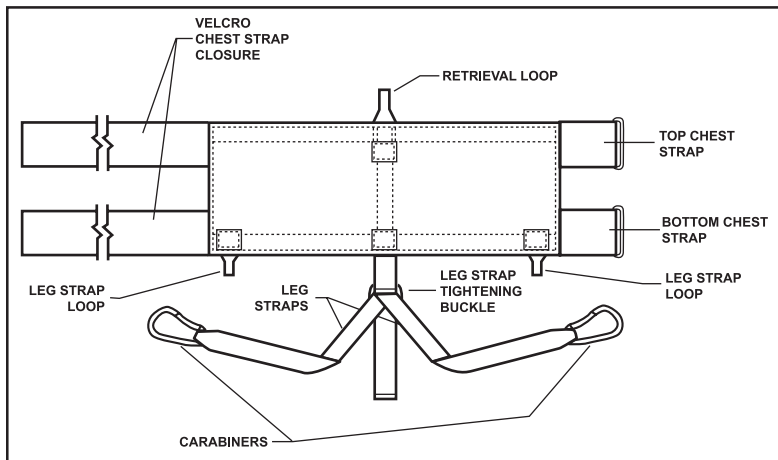
Carry bag for 7' Tripod

### Model 50039B

Carry bag for 9' Tripod

## Model 80 Confined Space Retrieval Harness

The Confined Space Retrieval Harness by Buckingham is designed to easily lift a hurt man out of a confined area. Simply place the harness under the victim just below the armpits, secure the velcro chest strap closures, pass the leg straps with carabiners between the victim's legs and attach to leg strap loops, attach winch line hook to the retrieval loop, and lift to safety. The unique design of the retrieval harness supports the victim in an upright position making it easy to lift victim through man hole. One size fits all.



## Model 81 Buck Diaper for Rescue

Designed to be used for a victim that needs to be lowered from a high elevation. The Buck Diaper provides a secure, easy method to transport the victim.



Model 81



FALL PROTECTION

# Non-Entry Manhole Rescue System

## Material Lift with Guard

This unique system allows for a rescue to be accomplished without having to send additional personnel into the hazardous area. Two ways in which a rescue can be performed are:

**SYSTEM A:** Entrant suited with a full body harness (No. 63936Q) enters the confined space with a lifeline (39SAM13Q1) attached. The lifeline is attached to the manhole guard/rescue winch with a specially designed breakaway device. This device will release upon impact such as that of a vehicle which has entered the work zone and strikes the manhole guard. For rescue the attendant/rescuer attaches the ascender to the winch line and proceeds to raise the victim.

**SYSTEM B:** Entrant suited with a full body harness (No. 63936Q) enters the confined space without being tethered. For rescue the attendant/rescuer uses the rescue line system (39SAM13Q-30). The rescue line equipped with a carabiner is attached to a 16' telescopic pole via a special clip. The clip releases the carabiner once the rescuer locates one of four reflective rescue loops, "hooks" into a loop and pulls back on the pole. The rescue line is then tied on to the winch and the rescuer then proceeds to raise the victim. For a free on-site demonstration please contact us.

This rugged material lift is an excellent device for raising and lowering equipment and material into manholes. It clamps securely to the universal manhole guard, making it a safety fence as well as a valuable tool and rescue device.

The entire unit is lightweight and portable, sets up quickly and has a 300 lb. capacity with a safety factor of three to one. The side pieces are constructed of high tensile, heavy-gauge aluminum with a durable yellow finish that stands up to rough weather and wear. Lift rope 1/2" x 30' DURA-PLEX™ Braided Rope.

Order **Model 105Q1-30** Life Line Kit for System A. Includes: manhole guard, winch, 30' life line system and break away assembly.

Order **Model 105Q2-30** Rescue Kit for System B. Includes: manhole guard, winch, two 30' rescue line systems and a 16' telescopic pole with quick release assembly.

Order Harnesses separately.

For a free video demonstrating both systems, call Buckingham Customer Service at 1-800-937-2825.



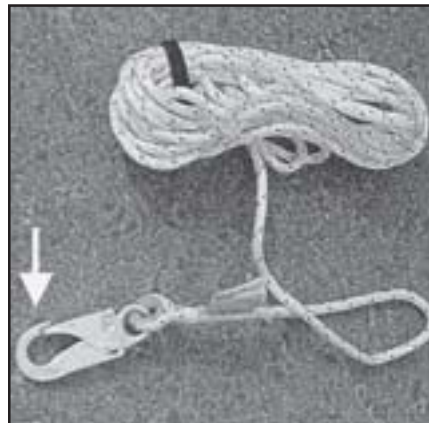
**Model 105Q1-30** Life Line Kit with a 42" Guard for use with 36" man holes.

### Model 63936Q



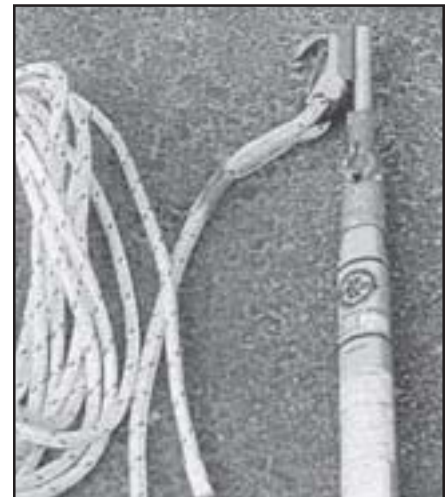
Features a dielectric dorsal dee ring and easy access reflective loops at the shoulders, hips, pigtail and neck area.

### Model 39SAM13Q1



Lifeline system included in 105Q1-30 and consisting of 30' line with locking snap hook, ascender, shackle, quick link, pin and storage bag.

### Model 39SAM13Q-30



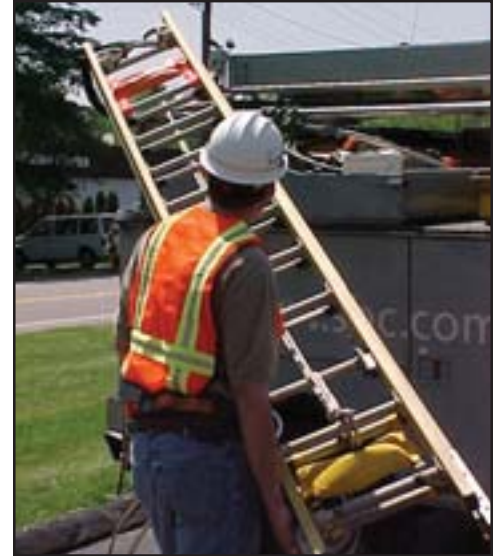
Rescue line system included in 105Q2-30 and consisting of 2 each 30' lines with carabiners. Shown attached to a 16' telescopic pole.

## Buck Ladder Lock System Model 355BT

Ladders and rounded poles are a potentially dangerous combination. Buckingham offers a ladder safety solution that includes ladder safety straps enclosed in bags that are attached to your ladders. No more forgetting the safety straps in the vehicle or the garage. Straps are ready for deployment when the ladder goes up to prevent kickout and excessive rocking. The Buck Ladder Lock is designed for poles and trees.

The Buck Ladder Lock advantages include:

- Bags that do not interfere with the climbing space of the technician's foot or interfere with the storage of the ladder on the truck.
- Highly visible brightly colored bags to remind technicians that protection is required.
- Quick access to straps.
- Weather resistant storage bags.
- Complete system with top and bottom bags and straps; 355BT
- Bottom bag and straps; 355B
- Top bag and straps; 355T



Model 355BT, the Buck Ladder Lock Solution with both top and bottom storage bags & straps.



Model 355B, Yellow Bottom Storage Bag & Straps



Model 355T, Orange Top Storage Bag & Straps



### The BuckStep Model 105RS Suspension Trauma Rescue System

Is designed to alleviate the effects of orthostatic intolerance, also known as suspension trauma. Tests have proven that potentially fatal suspension trauma can occur within minutes of a fall. Since the typical rescue time is 15 minutes, the BuckStep allows a victim to immediately deploy a body support system that allows for improved blood circulation and the ability to move and flex muscles until rescue.

Compact and easy to mount, the BuckStep attaches to any brand full body harness and is fully adjustable for any sized user.



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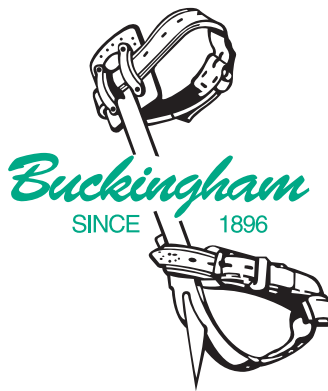
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