



Buckingham Manufacturing

QUALITY RELIABILITY FLEXIBILITY INNOVATION

• HARNESS SIZING • MAINTENANCE • IN USE CARE

HARNESS SIZING

Buckingham offers a full array of standard design full body harnesses to be used in fall arrest, work positioning, suspension, retrieval and rappelling applications.

| 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 | | | | | | |

Learn more about
Harness Inspection,
Sizing & Donning



Shoulder straps should lie flat & in close to the neck

Torso buckles should lie flat and positioned at waist level

Leg straps should be snug but not so tight as to restrict movement



Fall arrest attachment should be positioned high between the shoulder blades

Chest strap should be snug and positioned 6" below the neck

Seat strap should have no twists and be positioned below the buttocks

Leg strap buckles should lay flat on legs 4" - 5" below waist



ALL STRAPS SHOULD LIE FLAT & CONTAIN NO TWISTS | EXCESS MATERIAL SHOULD BE SECURED BY KEEPERS

HARNESS COMPONENTS/STRUCTURE

HARNESS STYLES

H STYLE



- Model 637G8C500CK1
- Quick connect leg strap buckles
 - 18" pigtail with steel dee ring
 - Arc flash rated



U STYLE



- Model 603B3700U3
- Unique 'U' design keeps shoulder straps off the neck preventing irritation
 - Sternal web loop
 - Web dorsal loop
 - Quick connect leg & torso buckles



X STYLE



- Model 603E3700R3
- Interlocking torso & leg buckles
 - Sternal web loop
 - Web dorsal loop
 - Arc Flash Rated



HARNESS STYLES

TOWER HARNESS

Y STYLE

Model 61992



- Built in body belt [used for tower or substation work]
- Sternal & umbilical dee rings for suspension or self rescue
- Shoulder pads
- Wide padded leg straps with quick connect buckles
- Arc flash rated

FULL BODY HARNESS INSPECTION

Before each use, it is important to check for the following:

Webbing

- | | |
|---|--|
| <input type="checkbox"/> Cuts | <input type="checkbox"/> Burns or charring |
| <input type="checkbox"/> Kinks | <input type="checkbox"/> Broken fibers |
| <input type="checkbox"/> Abrasions | <input type="checkbox"/> Chemical/physical exposures |
| <input type="checkbox"/> Cracks | <input type="checkbox"/> Swelling |
| <input type="checkbox"/> Excessive wear | <input type="checkbox"/> Loose, cut or missing stitching |
| <input type="checkbox"/> Discoloration | |
| <input type="checkbox"/> Chest strap Hook & Loop have sufficient adhesion | |

Hardware

- ☐ Cracks or nicks
- ☐ Distorted/bent
- ☐ Rust or corrosion
- ☐ Quick connect buckles operate properly

Attachment Points

- ☐ Evidence of shock load to harness



Cuts



Burns



Stitching



Chemical



Broken



Rust/Corrosion

BODY BELT INSPECTION [IF APPLICABLE]

Before each use, it is important to check for the following:

Tongue Buckles

- ☐ Cracks and/or corrosion
- ☐ Never file tongue hook
- ☐ Loose stitching
- ☐ Loose/worn rivets

Waist Strap

- ☐ ASTM requires no holes last 4" of billet
- ☐ Worn material & loose stitching
- ☐ Broken threads & burns
- ☐ Loose grommets or elongated holes
- ☐ Loose/worn rivets

Knife Accessory Snap

- ☐ Working Spring
- ☐ Secure & not broken

Pouch Tab

- ☐ Tears, cuts, loose stitching/worn material

Tool Loops

- ☐ Cuts, tears or loose stitching
- ☐ Worn material

Suspender Dee

- ☐ Secure rivets
- ☐ Rated to 25 lbs.
- ☐ Used for belt support
- ☐ NOT MAN RATED

Glove Bag Ring

- ☐ Secure & not broken

Tape Thong

- ☐ Worn Material

Dee Ring

- ☐ Cracks, nicks & distortion
- ☐ Corrosion of hardware

IF ANY OF THESE CONDITIONS EXIST CEASE USE IMMEDIATELY!

HARNESS/BODY BELT INSPECTION

LANYARDS

BUCKYARD

Flexibility & reduced arresting force



Model 8VV114S1+Z

BUCK ARREST [FR]

16" FR Shock Pack



Model 64V116S2+Z

BUCKYARD STRETCH

Same benefits as the Buckyard with added elastic bungee



Model 8VV714S1+Z

BUCKSTOP

6" shock pack in shrink tube



Model 5VV116S1+Z

SUFFIX 'S1' IN MODEL NUMBER MEETS ARC TEST

INDICATES MEETS ASTM F887 ELECTRIC ARC PERFORMANCE REQUIREMENTS

SHOCK ABSORBING LANYARD INSPECTION

Before each use, it is important to check for the following:

Webbing

- | | |
|---|--|
| <input type="checkbox"/> Cuts | <input type="checkbox"/> Burns or charring |
| <input type="checkbox"/> Kinks | <input type="checkbox"/> Broken fibers |
| <input type="checkbox"/> Abrasions | <input type="checkbox"/> Chemical/physical exposures |
| <input type="checkbox"/> Cracks | <input type="checkbox"/> Swelling |
| <input type="checkbox"/> Excessive wear | <input type="checkbox"/> Loose, cut or missing stitching |
| <input type="checkbox"/> Discoloration | |

Hardware

- ☐ Cracks or nicks
- ☐ Distorted/bent
- ☐ Rust or corrosion
- ☐ Locking mechanism functions improperly
- ☐ Locking & snap keepers operate freely & smoothly
- ☐ Evidence of shock loading

IF ANY OF THESE CONDITIONS EXIST
CEASE USE IMMEDIATELY!

LANYARD INSPECTION

DO'S & DON'T'S

- ALWAYS, PRIOR TO EACH USE, INSPECT YOUR FALL PROTECTION EQUIPMENT
- ALWAYS ATTACH TO A 5,000 LB. ANCHORAGE POINT OR AN ANCHOR POINT DESIGNED/INSTALLED AS PART OF A COMPLETE PERSONAL FALL ARREST SYSTEM UNDER THE SUPERVISION OF A QUALIFIED PERSON
- ALWAYS USE PERSONAL PROTECTION EQUIPMENT MANUFACTURED TO THE CURRENT STANDARDS
- ALWAYS USE A PROPERLY SIZED & ADJUSTED FULL BODY HARNESS

- NEVER RIG YOURSELF SO YOU CAN FREE FALL MORE THAN 6' OR COME IN CONTACT WITH A LOWER LEVEL
- NEVER ATTACH A STEEL SNAP TO A WEB LOOP
- NEVER USE FALL PROTECTION EQUIPMENT THAT HAS BEEN SUBJECTED TO IMPACT LOADING
- NEVER MAKE MODIFICATIONS TO PERSONAL FALL PROTECTION EQUIPMENT

OSHA - REGULATORY

| | | |
|------|---|---|
| OSHA | 1926.502 1926.502(d) 1910.269 1910.269(g)(2) | Fall Protection Systems Criteria & Practices Personal Fall Arrest Systems Electric Power Generation, Transmission & Distribution Fall Protection |
|------|---|---|

ASTM/ANSI - CONSENSUS STANDARDS FOR MANUFACTURERS

| | | |
|------|---|--|
| ANSI | Z359 | Fall Protection Code |
| ASTM | F887 F887 18 F887 19, 20, 21 F887 22 | Personal Climbing Equipment Harnesses Shock Absorbing Lanyards Electric Arc Performance |

APPLICABLE STANDARDS