



**Instructions for the
following series products:**

Full Body Harnesses

(See back pages for specific
model numbers.)

**USER INSTRUCTION MANUAL
FULL BODY HARNESS**

This manual is intended to meet the Manufacturer's Instructions as required by ANSI Z359 and CSA 259.10 and should be used as part of an employee training program as required by OSHA



Figure 1 - Delta Vest™ Full Body Harness



Figure 2 - Vest Style Full Body Harness

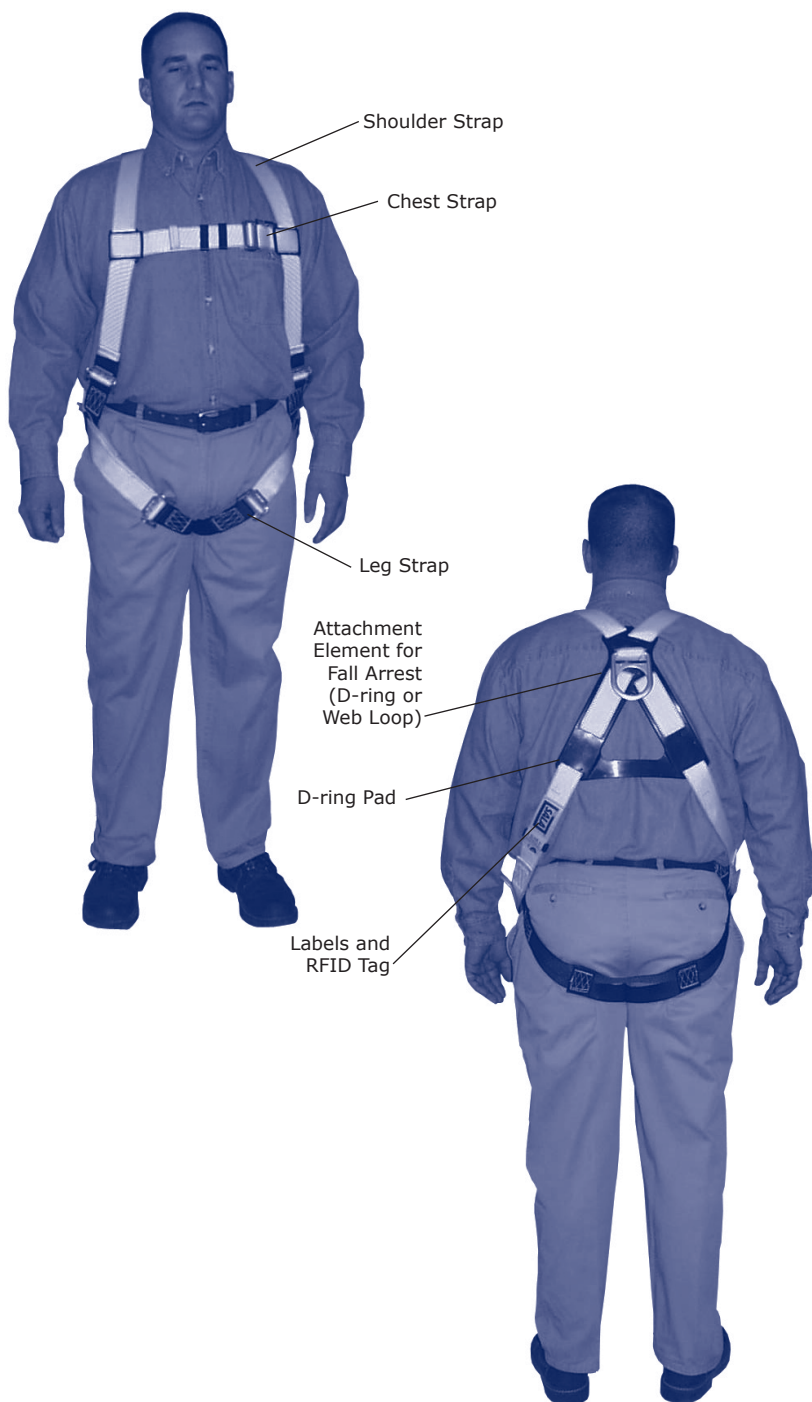
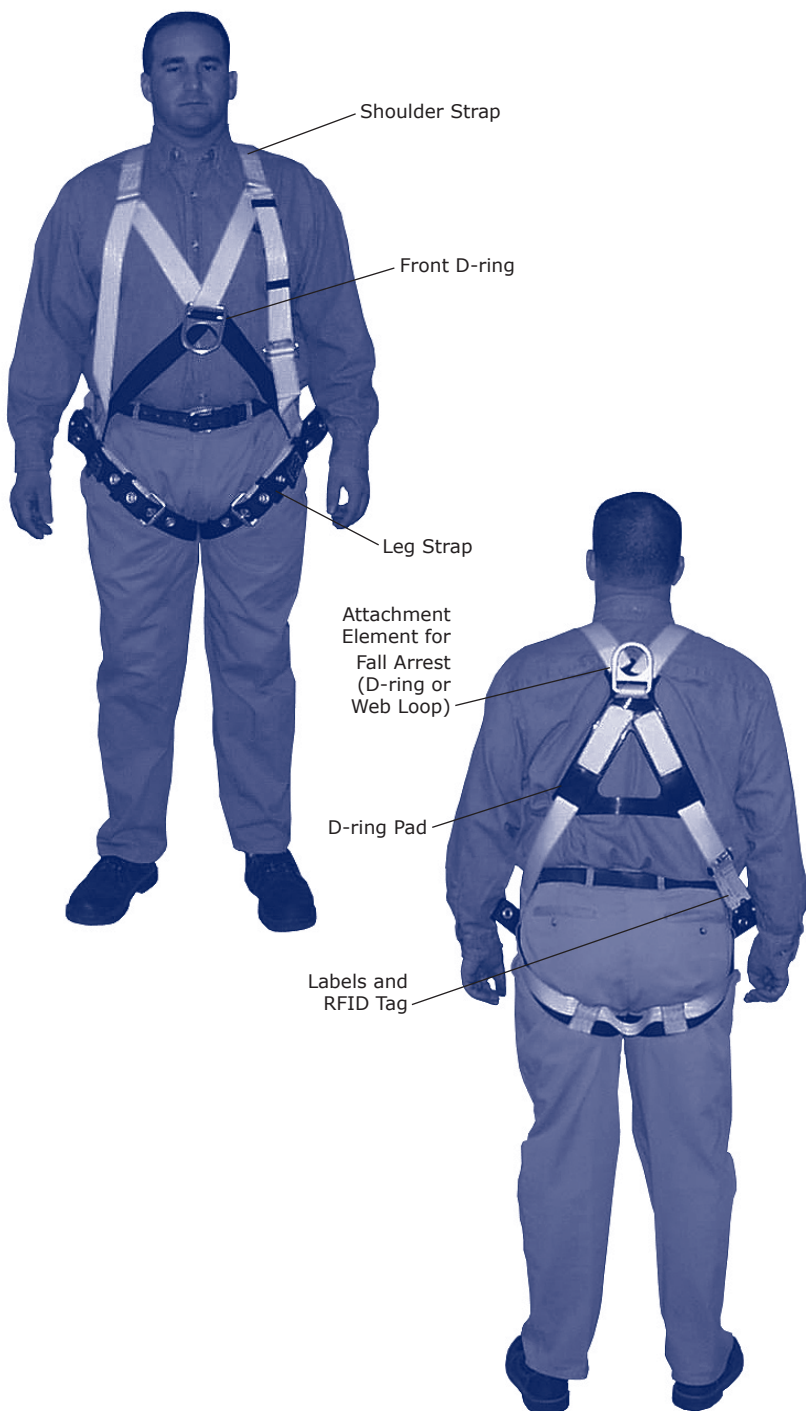


Figure 3 - Cross-over Style Full Body Harness



Figure 4 - Step-in Style Full Body Harness



WARNING: *This product is part of a personal fall arrest, restraint, work positioning, personnel riding, climbing, or rescue system. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.*

IMPORTANT: *If you have questions on the use, care, or suitability of this equipment for your application, contact DBI-SALA.*

IMPORTANT: *Before using this equipment, record the product identification information from the ID label in the inspection and maintenance log in section 9.0 of this manual.*

DESCRIPTIONS

Delta Vest™ Full Body Harness: See Figure 1.

Vest Style Full Body Harness: See Figure 2.

Cross-Over Style Full Body Harness: See Figure 3.

Step-In Style Full Body Harness: See Figure 4.

OPTIONS:

DBI-SALA Full Body Harnesses are available with options and accessories. Following is a partial list of commonly used options and accessories (some options may not be available on all harnesses):

- Shoulder D-rings
- Side D-rings
- Hip pad with side D-rings
- Quick Connect buckles
- Tongue buckle body belt
- Loops on harness for body belt
- Kevlar® webbing
- High visibility webbing
- Non-sparking/Non conductive PVC coated hardware
- Shoulder pads
- Tool belt support straps
- Seat sling
- Lanyard attached directly to D-ring or attachment element
- Snap fastener on shoulder strap for retaining lanyard
- Delta Vest™
- Tool holders

1.0 APPLICATIONS

- 1.1 PURPOSE:** DBI-SALA full body harnesses are to be used as components in personal fall arrest, restraint, work positioning, or rescue systems. See Figures 1, 2, 3, and 4 for harness styles.

Harnesses included in this manual are full body harnesses and meet ANSI Z359.1, OSHA, and CSA Z259.10 requirements. See Figure 5 for application illustrations.

- Full body harnesses with Kevlar web should be used when working with tools, materials, or environments of high temperature (foundries, chemical manufacturing, steel fabrication, emergency rescue services, fire services, welders, oil industry, nuclear industry, explosives).
- Harnesses with PVC coated hardware should be used when working in explosive or electrically conductive environments, or where surfaces must be protected from the hardware.
- Harnesses with high visibility webbing should be used when increased visibility of the user is required.

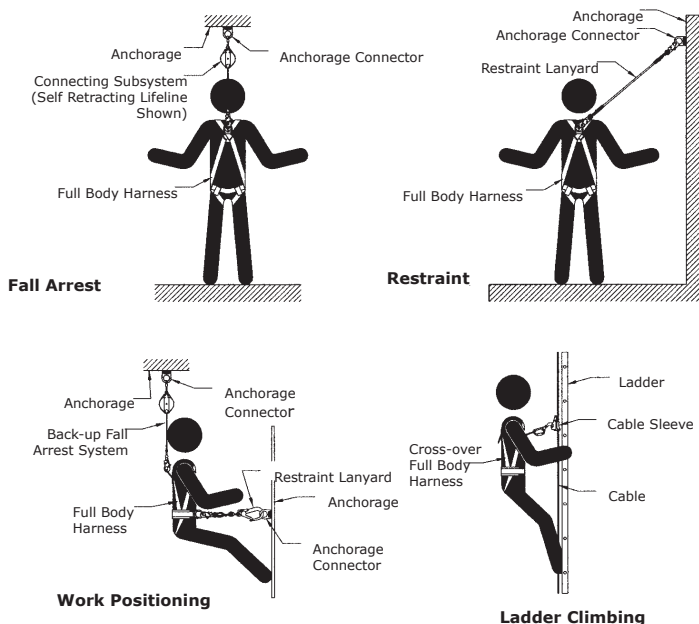
- A. PERSONAL FALL ARREST:** The full body harness is used as a component of a personal fall arrest system. Personal fall arrest systems typically include a full body harness and a connecting subsystem (energy absorbing lanyard). Maximum arresting force must not exceed 1,800 lbs (8 kN). For fall protection applications connect the fall arrest subsystem (example: lanyard, SRL, energy absorber, etc.) to the D-ring or attachment element on your back, between your shoulder blades.



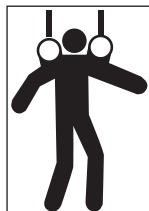
- B. WORK POSITIONING:** The full body harness is used as a component of a work positioning system to support the user at a work position. Work positioning systems typically include a full body harness, positioning lanyard, and a back-up personal fall arrest system. For work positioning applications, connect the work positioning subsystem (example: lanyard, Y-lanyard, etc.) to the lower (hip level) side or belt mounted work positioning attachment anchorage elements (D-rings). Never use these connection points for fall arrest.



Figure 5 - Applications



- C. LADDER CLIMBING:** The full body harness is used as a component of a climbing system to prevent the user from falling when climbing a ladder or other climbing structure. Climbing systems typically include a full body harness, vertical cable or rail attached to the structure, and climbing sleeve. For ladder climbing applications, harnesses equipped with a frontal D-ring in the sternal location may be used for fall arrest on fixed ladder climbing systems. These are defined in Z259.2.1 in Canada and ANSI A14.3 in the United States.
- D. RESCUE:** The full body harness is used as a component of a rescue system. Rescue systems are configured depending on the type of rescue. For limited access (confined space) applications, harnesses equipped with D-rings on the shoulders may be used for entry and egress into confined spaces where worker profile is an issue.



- E. CONTROLLED DESCENT:** For controlled descent applications, harnesses equipped with a single sternal level D-ring, one or two frontal mounted D-rings, or a pair of connectors originating below the waist (such as a seat sling) may be used for connection to a descender or evacuation system (reference in Z259.10 in Canada).



- F. RESTRAINT:** The full body harness is used as a component of a restraint system to prevent the user from reaching a fall hazard. Restraint systems typically include a full body harness and a lanyard or restraint line.

1.2 LIMITATIONS: Consider the following application limitations before using this equipment:

- A. CAPACITY:** These full body harnesses are designed for use by persons with a combined weight (clothing, tools, etc.) of no more than 420 lbs. Make sure all of the components in your system are rated to a capacity appropriate to your application
- B. FREE FALL:** Personal fall arrest systems used with this equipment must be rigged to limit the free fall to 6 feet (1.8 M) (ANSI Z359.1). Restraint systems must be rigged so that no vertical free fall is possible. Work positioning systems must be rigged so that free fall is limited to 2 feet (.6 m) or less. Personnel riding systems must be rigged so that no vertical free fall is possible. Climbing systems must be rigged so that free fall is limited to 18 in. (.46 m) or less. Rescue systems must be rigged so that no vertical free fall is possible. See subsystem manufacturer's instructions for more information.
- C. FALL CLEARANCE:** See Figure 6. There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. The clearance required is dependent on the following factors:
- Elevation of anchorage
 - Connecting subsystem length
 - Deceleration distance
 - Free fall distance
 - Worker height
 - Movement of harness attachment element

See subsystem manufacturer's instructions for more information.

Figure 6 - Fall Clearance

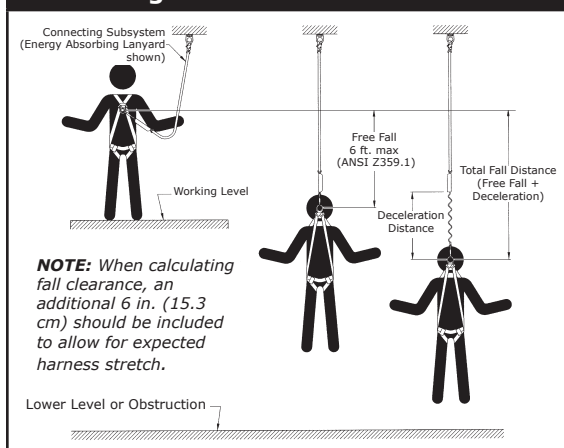
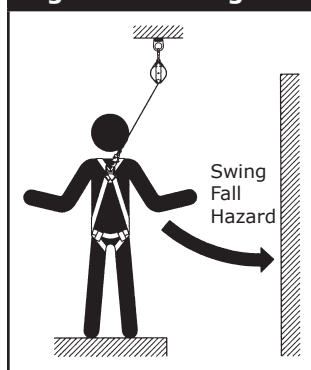


Figure 7 - Swing Fall



- D. SWING FALLS:** See Figure 7. Swing falls occur when the anchorage point is not directly above the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury or death. Minimize swing falls by working as close to the anchorage point as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a self-retracting lifeline or other variable length connecting subsystem is used.
- E. EXTENDED SUSPENSION:** A full body harness is not intended for use in extended suspension applications. If the user is going to be suspended for an extended length of time it is recommended that some form of seat support be used. DBI-SALA recommends a seat board, suspension workseat, seat sling, or a boatswain chair. Contact DBI-SALA for more information on these items.
- F. ENVIRONMENTAL HAZARDS:** Use of this equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges.
- G. HARNESSES FOR HIGH TEMPERATURE ENVIRONMENTS:** Harnesses with Kevlar webbing are designed for use in high temperature environments, with limitations: Kevlar webbing begins to char at 800° to 900° Fahrenheit. Kevlar webbing can withstand limited contact exposure to temperatures up to 1,000° F. Polyester webbing loses strength at 300° to 400° F. PVC coating on hardware has a melting point of approximately 350° F.

IMPORTANT: When working with tools, materials, or in high temperature environments, ensure that associated fall protection equipment can withstand high temperatures, or provide protection for those items.

IMPORTANT: Although PVC coated, cadmium, or zinc plated hardware exhibit excellent corrosion resistance in chemical, acidic, alkaline, and atmospheric conditions, frequent inspections may be required. Consult with DBI-SALA if you question the use of this equipment in hazardous environments.

H. TRAINING: This equipment must be installed and used by persons trained in its correct application and use. See section 4.0.

1.3 APPLICABLE STANDARDS: Refer to national standards, including ANSI Z359 (.0, .1, .2, .3, and .4) family of standards on fall protection, ANSI A10.32, CSA Z259.10, and applicable local, state and federal (OSHA) requirements governing occupational safety for more information about work positioning systems.

IMPORTANT: Harnesses with Kevlar webbing do not meet ANSI Z359.1. Kevlar does not have equivalent abrasion resistance of polyamides. Kevlar harnesses meet all other requirements of this standard.

2.0 SYSTEM REQUIREMENTS

2.1 COMPATIBILITY OF COMPONENTS: DBI-SALA equipment is designed for use with DBI-SALA approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

2.2 COMPATIBILITY OF CONNECTORS: Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Contact DBI-SALA if you have any questions about compatibility.

Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. See Figure 8. Connectors must be compatible in size, shape, and strength. Self-locking snap hooks and carabiners are required by ANSI Z359.1 and OSHA.

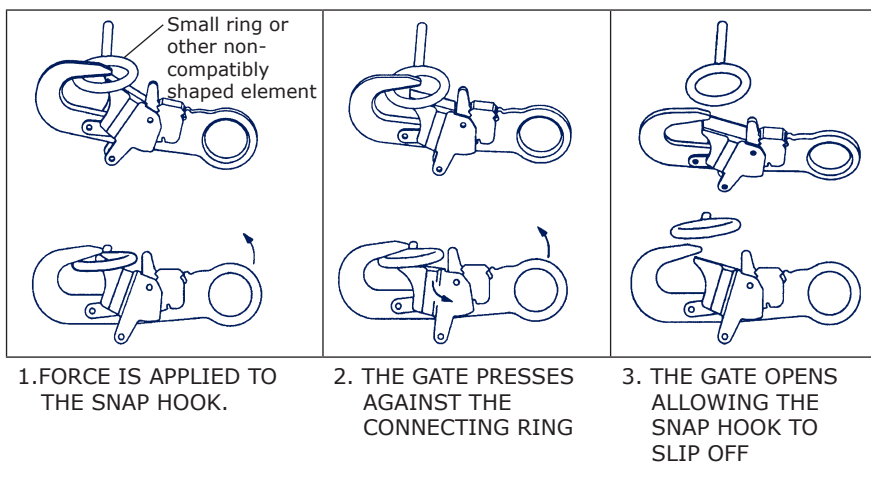
2.3 MAKING CONNECTIONS: Use only self-locking snap hooks and carabiners with this equipment. Use only connectors that are suitable to each application. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

DBI-SALA connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 9 for inappropriate connections. DBI-SALA snap hooks and carabiners should not be connected:

- A. To a D-ring to which another connector is attached.
- B. In a manner that would result in a load on the gate.

Figure 8 - Unintentional Disengagement (Rollout)

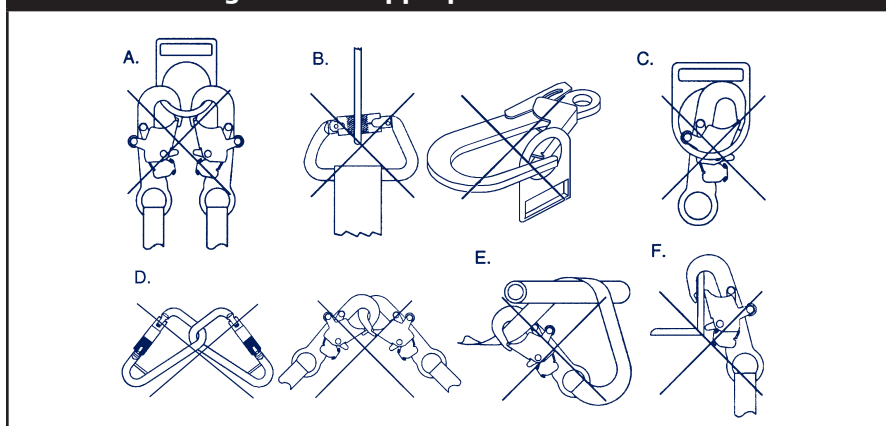
If the connecting element to which a snap hook (shown) or carabiner attaches is undersized or irregular in shape, a situation could occur where the connecting element applies a force to the gate of the snap hook or carabiner. This force may cause the gate (of either a self-locking or a non-locking snap hook) to open, allowing the snap hook or carabiner to disengage from the connecting point.



NOTE: Large throat snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates, unless the snap hook complies with ANSI Z359.1-2007 and is equipped with a 3,600 lb gate. Check the marking on your snap hook to verify that it is appropriate for your application.

- C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor, and without visual confirmation seems to be fully engaged to the anchor point.

Figure 9 - Inappropriate Connections



- D.** To each other.
- E.** Directly to webbing or rope lanyard or tie-back (unless the manufacturer's instructions for both the lanyard and connector specifically allows such a connection).
- F.** To any object which is shaped or dimensioned such that the snap hook or carabiner will not close and lock, or that roll-out could occur.

2.4 CONNECTING SUBSYSTEMS: Connecting subsystems (self-retracting lifeline, lanyard, rope grab and lifeline, cable sleeve) must be suitable for your application. See section 1.1. See subsystem manufacturer's instructions for more information. Some harness models have web loop connection points. Do not use snap hooks to connect to web loops. Use a self-locking carabiner to connect to a web loop. Ensure the carabiner cannot cross-gate load (load against the gate rather than along the backbone of the carabiner). Some lanyards are designed to choke onto a web loop to provide a compatible connection. See Figure 10. Lanyards may be sewn directly to the web loop forming a permanent connection. Do not make multiple connections onto one web loop, unless choking two lanyards onto a properly sized web loop.

2.5 ANCHORAGE STRENGTH: The anchorage strength required is dependent on the application type. The following are the requirements of ANSI 359.1 for these application types:

- A. FALL ARREST:** Anchorages selected for fall arrest systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:
 - 1.** 5,000 lbs. (22.2 kN) for non-certified anchorages, or
 - 2.** Two times the maximum arresting force for certified anchorages. When more than one fall arrest system is

attached to an anchorage, the strengths set forth in (1) and (2) above shall be multiplied by the number of systems attached to the anchorage.

B. RESTRAINT:

Anchages selected for restraint and travel restraint systems shall have a strength capable of sustaining static loads applied in the

directions permitted by the system of at least:

1. 1,000 lbs. (4.5 kN) for non-certified anchorages, or
2. Two times the foreseeable force for certified anchorages.

When more than one restraint and travel restraint system is attached to an anchorage, the strengths set forth in (1) and (2) above shall be multiplied by the number of systems attached to the anchorage.

C. WORKING POSITIONING: Anchorages selected for work positioning systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

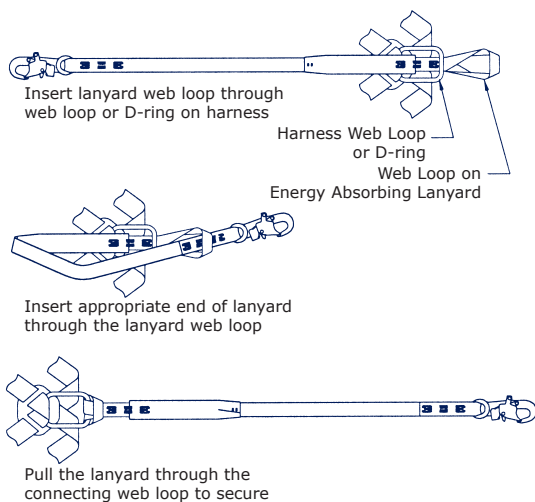
1. 3,000 lbs. (13.3 kN) for non-certified anchorages, or
2. Two times the foreseeable force for certified anchorages. When more than one work positioning system is attached to an anchorage, the strengths set forth in (1) and (2) above shall be multiplied by the number of systems attached to the anchorage.

D. RESCUE: Anchorages selected for rescue systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

1. 3,000 lbs. (13.3 kN) for non-certified anchorages, or
2. Five times the foreseeable force for certified anchorages. When more than one rescue system is attached to an anchorage, the strengths set forth in (1) and (2) above shall be multiplied by the number of systems attached to the anchorage.

E. CLIMBING: The structure to which a climbing system is attached must sustain the loads required by that particular system. See instructions for climbing system for requirements.

Figure 10 - Web Loop Connection



3.0 DONNING AND USE

WARNING: Do not alter or intentionally misuse this equipment. Consult DBI-SALA when using this equipment in combination with components or subsystems other than those described in this manual. Some subsystem and component combinations may interfere with the operation of this equipment. Use caution when using this equipment around moving machinery, electrical and chemical hazards, and sharp edges.

WARNING: Consult your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall arrest. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use any DBI-SALA full body harness.

3.1 BEFORE EACH USE of this equipment inspect it according to section 5.0 of this manual.

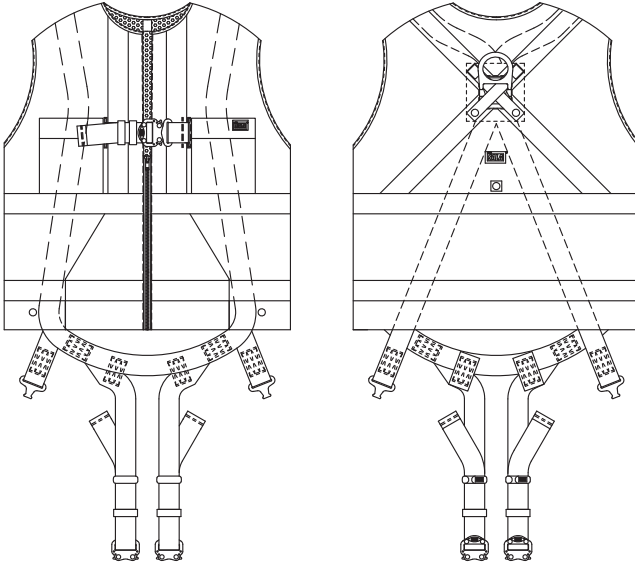
3.2 PLAN your system before use. Consider all factors that will affect your safety during use of this equipment. The following list gives important points to consider when planning your system:

- A. ANCHORAGE:** Select an anchorage that meets the requirements specified in sections 1.2 and 2.5.
- B. SHARP EDGES:** Avoid working where system components may be in contact with, or abrade against, unprotected sharp edges.
- C. AFTER A FALL:** Components which have been subjected to the forces of arresting a fall must be removed from service and destroyed.
- D. RESCUE:** The employer must have a rescue plan when using this equipment. The employer must have the ability to perform a rescue quickly and safely.

3.3 DONNING AND FITTING THE HARNESS:

- A. DELTA VEST™ HARNESS:** See Figure 11 for front and back views of the Delta Vest™ harness. Don the Delta Vest™ full body harness by following these steps (see Figures 12 and 13).

Figure 11 - Front and Back View of Delta Vest™ Harness



- Step 1.** Lift harness by the back D-ring and untangle straps. Allow leg straps to hang free.
- Step 2.** Don the Vest Harness as you would a jacket. Do not zip the vest at this time.
- Step 3.** Connect chest strap by passing male buckle through female buckle. Pass excess webbing through loop keepers. See Figure 13.
- Step 4.** Reach between legs and grasp blue leg strap on your left side. Bring strap up between legs and connect to buckle attached to yellow strap (orange on high visibility models, black on flame resistant models) as shown in Figures 12 and 13. Connect right leg strap.
- Step 5.** Reach inside the vest and adjust shoulder straps to a snug fit. Left and right shoulder straps should be adjusted to the same length. Readjust leg straps, chest strap, and shoulder straps as necessary to a snug fit.
- Step 6.** Zip the vest.

Figure 12 - Donning the Delta Vest™ Harness

Delta Vest™ Harness



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6

Figure 13 - Delta Vest™ Harness Buckle Connections



Chest Strap: Pass male buckle through female buckle and pull free end of webbing to tighten.



Parachute Buckle: Pass webbing under buckle and over roller and down between roller and frame. Pull web end to tighten. Three inches of web must extend past buckle.



Tongue Buckle: Pass webbing through buckle and insert tongue through grommet.

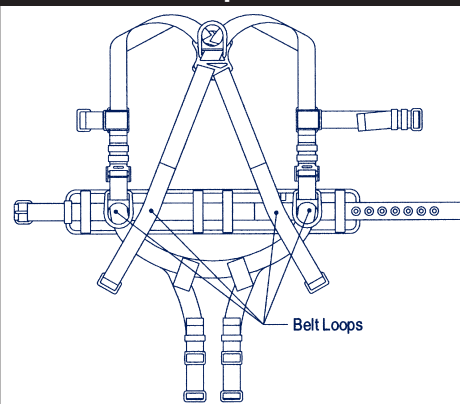


Pass Buckle: Pass male buckle through female buckle and pull free end of webbing to tighten.

B. VEST STYLE

HARNES: If your harness incorporates loops for a removable waist belt, the belt should be installed through the four loops in the harness as shown in Figure 14. The hip pad, if used, is secured to the belt by passing the belt through the hip pad loops. Don the vest style full body harness by following these steps (see Figures 15 and 16):

Figure 14 - Removable Waist Belt & Hip Pad



- Step 1.** Locate back D-ring held in position by the D-ring pad; lift up harness and hold by this D-ring. Ensure the straps are not twisted.
- Step 2.** Grasp the shoulder straps and slip harness onto one arm. D-ring will be located on your back side. Ensure

Figure 15 - Donning Vest Style Harness



Step 1



Step 2



Step 3



Step 4

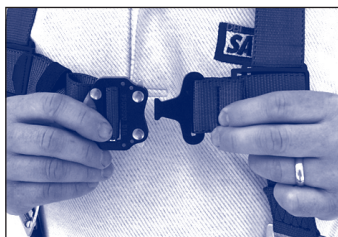


Step 5

Figure 16 - Vest Style Harness Buckle Connections



Chest Strap: Pass male buckle through female buckle and pull free end of webbing to tighten.



Chest Strap: Attach chest strap by inserting the tab of the buckle into the receptor of the quick connect buckle until a click is heard.



Parachute Buckle: Pass webbing under buckle and over roller and down between roller and frame. Pull web end to tighten. Three inches of web must extend past buckle.



Tongue Buckle: Pass webbing through buckle and insert tongue through grommet.



Pass Buckle: Pass male buckle through female buckle and pull free end of webbing to tighten.



Quick Connect Buckle: Insert the tab of the buckle into the receptor of the quick connect buckle until a click is heard.

straps are not tangled and hang freely. Slip free arm into harness and position shoulder straps on top of shoulder. Ensure straps are not tangled and hang freely. Chest strap with pass through buckle will be positioned on front side when worn properly.

Step 3. Reach between your legs and grasp the leg strap on your left side. Bring the strap up between your legs and connect it by inserting the tab of the buckle into the receptor of quick connect buckle on the left side as shown in Figure 1. You will hear a click when the tab engages properly. Pull the free end of the strap away

from the buckle to make a snug fit on each leg strap. To loosen the leg strap, grasp the yellow plastic portion of the buckle and pull away from your leg to allow the strap to pull through the buckle. A plastic end keeper on the end of the strap will stop it from pulling completely out of the buckle. To release the buckle, press the silver-colored tabs on the buckle towards each other with one hand, while pulling on the tab portion to the buckle with the other hand. Repeat this procedure for the right side.

Step 4. Attach the chest strap by inserting the tab of the buckle into receptor of quick connect buckle. See Figure 1. You will hear a click when the tab engages properly. Chest strap should be six inches down from the top of shoulders. Pass excess strap through the loop keepers. The strap may be tightened to a snug fit by pulling the free strap end to the left (away from the buckle). To loosen the chest strap, grasp the yellow plastic portion of the buckle and pull away from the body to allow the strap to pull through the buckle. A plastic end keeper on the end of the strap will stop it from pulling completely out of the buckle. To release the buckle, press the silver-colored tabs on the buckle towards each other with one hand, while pulling on the tab portion to the buckle with the other hand.

Step 5. Adjust shoulder straps to a snug fit by pulling excess strap through the parachute buckles on each side of the harness. Left and right sides of shoulder straps should be adjusted to the same length and the chest strap should be centered on your lower chest, six inches down from shoulder. The front D-ring on vest style harness is moved up or down by adjusting the shoulder straps and leg straps. Center the back D-ring between shoulder blades. Adjust leg straps to a snug fit. At least three inches of webbing must extend past buckle on leg straps. Adjust the waist belt (if present).

C. CROSS-OVER STYLE HARNESS: If your harness incorporates loops for a removable waist belt, the belt

Figure 17 - Removable Waist Belt and Hip Pad

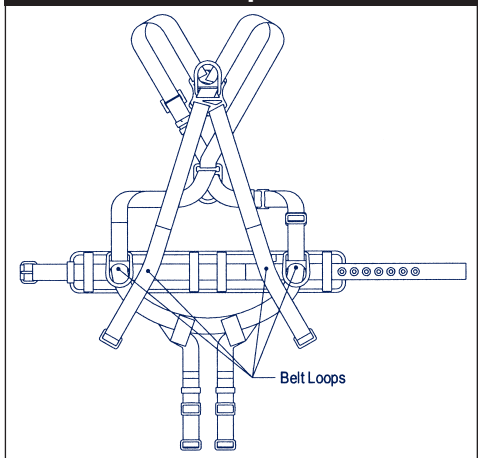


Figure 18 - Donning Cross-over Style Harness



Step 1



Step 2



Step 3



Step 4



Step 5

should be installed through the four loops in the harness as shown in Figure 17. The hip pad, if used, is secured to the belt by passing the belt through the hip pad loops. Don the cross-over style full body harness by following these steps (see Figures 18 and 19):

- Step 1.** Locate back D-ring held in position by the D-ring pad; lift up harness and hold by this D-ring. Ensure the straps are not twisted.
- Step 2.** Grasp shoulder straps between back and front D-ring and slip harness over your head from the left side. Position shoulder straps on top of shoulder. Ensure straps are not tangled and hang freely. The D-ring will be positioned on your back when worn properly.
- Step 3.** Grasp male pass-through buckle located on yellow strap (orange on high visibility models, black on flame resistant models) below front D-ring and connect to female pass-through buckle (attached to blue or strap on right hip). Male end of buckle must pass through female end. Ensure straps are not tangled or crossed.
- Step 4.** Reach between legs and grasp blue leg strap on your

Figure 19 - Cross-over Style Harness Buckle Connections



Tongue Buckle: Pass webbing through buckle and insert tongue through grommet.



Pass Buckle: Pass male buckle through female buckle and pull free end of webbing to tighten.



Quick Connect Buckle: Insert the tab of the buckle into the receptor of the quick connect buckle until a click is heard



Parachute Buckle: Pass webbing under buckle and over roller and down between roller and frame. Pull web end to tighten. Three inches of web must extend past buckle.

left side. Bring strap up between legs and connect to buckle attached to yellow strap (orange on high visibility models, black on flame resistant models). Connect right leg strap.

- Step 5.** Adjust shoulder straps to a snug fit. Left and right sides of shoulder straps should be adjusted to the same length and the front D-ring should be centered on your lower chest. The back D-ring should be centered between your shoulder blades. Adjust leg straps to a snug fit. At least three inches of webbing must extend past parachute adjuster buckle when used on leg straps. Adjust the waist belt (if present). Center retrieval D-rings (if present) on top of each shoulder.

D. STEP-IN STYLE HARNESS: Don the step-in style full body harness by following these steps (see Figures 20 and 21):

- Step 1.** Locate back D-ring held in position by the D-ring pad; lift up harness and hold by this D-ring. Ensure the straps are not twisted.
- Step 2.** Step into harness by placing right leg over the seat sling and then your left leg.
- Step 3.** Raise harness up and slip arms between front and back shoulder straps. Slip the back D-ring pad over your head with your head between the front shoulder straps and the adjuster links.
- Step 4.** Reach between legs and grasp blue leg strap on your left side. Bring strap up between legs and connect to buckle attached to yellow strap (orange on high visibility models, black on flame resistant models). Connect right leg strap.
- Step 5.** Tighten shoulder straps through adjuster links and front D-ring. Adjustment slack should be given out or taken up through the buckle on the lower left shoulder strap. Left and right shoulder straps should be adjusted to the same length, and the front D-ring should be centered on your lower chest. The back D-ring should be centered between your shoulder blades. Adjust leg straps to a snug fit.

3.4 USE OF FALL ARREST D-RING OR ATTACHMENT ELEMENT:

For fall protection applications connect to the D-ring or attachment element on your back, between your shoulder blades. Side D-rings, if present, are for positioning or restraint applications only. Shoulder retrieval D-rings are for rescue or retrieval applications only. Front D-ring is for ladder climbing or positioning. D-rings on seat sling are for suspension or positioning applications only.

Figure 20 - Donning Step-in Style Harness



Step 1



Step 2



Step 3



Step 4

Step 5

Figure 21 - Step-in Style Harness Buckle Connections



Tongue Buckle: Pass webbing through buckle and insert tongue through grommet.



Pass Buckle: Pass male buckle through female buckle and pull free end of webbing to tighten.



Parachute Buckle: Pass webbing under buckle and over roller and down between roller and frame. Pull web end to tighten. Three inches of web must extend past buckle.

3.5 MAKING CONNECTIONS: When using a hook to connect to an anchorage or when coupling components of the system together, ensure roll-out cannot occur. Roll-out occurs when interference between the hook and mating connector causes the hook gate to unintentionally open and release. Self-locking snap hooks and carabiners should be used to reduce the possibility of roll-out. Do not use hooks or connectors that will not completely close over the attachment object. See subsystem manufacturer's instructions for more information on making connections.

3.6 CONNECTING SYSTEM COMPONENTS: After fitting the full body harness the user may then connect to other system components. Follow the guidelines in section 3.4 on selecting the correct attachment element.

4.0 TRAINING

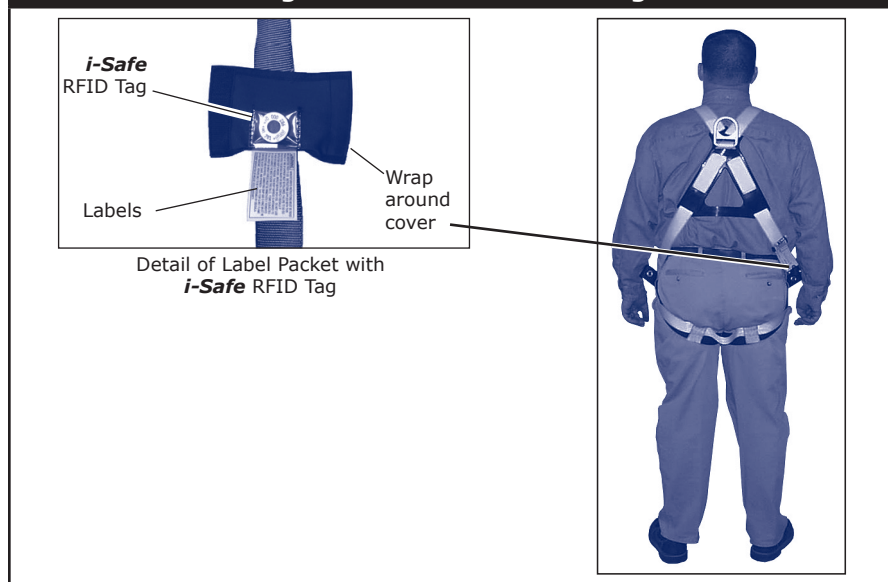
4.1 It is the responsibility of the user and the purchaser of this equipment to assure that they are familiar with these instructions, trained in the correct care and use of, and are aware of the operating characteristics, application limits, and the consequences of improper use of this equipment.

IMPORTANT: Training must be conducted without exposing the user to a fall hazard. Training should be repeated on a periodic basis.

5.0 INSPECTION

- 5.1** The i-Safe™ RFID tag on this harness can be used in conjunction with the i-Safe handheld reading device and the web based portal to simplify inspection and inventory control and provide records for your fall protection equipment See Figure 22.
- 5.2 FREQUENCY:** Before each use inspect the full body harness according to sections 5.3 and 5.4. The harness must be inspected by a competent person, other than the user, at least annually. Record the results of each formal inspection in the inspection and maintenance log in section 9.0, or use the i-Safe™ inspection web portal to maintain your inspection records. If you are a first-time user, contact a Customer Service representative in the US at 800-328-6146 or in Canada at 800-387-7484 or if you have already registered, go to: www.capitalsafety.com/isafe.html. Follow instructions provided with your i-Safe handheld reader or on the web portal to transfer your data to your web log.

Figure 22 - i-Safe™ RFID Tag



IMPORTANT: If the full body harness has been subjected to fall arrest or impact forces it must be immediately removed from service and destroyed.

IMPORTANT: Extreme working conditions (harsh environments, prolonged use, etc.) may require increasing the frequency of inspections.

5.3 INSPECTION STEPS:

Step 1. Inspect harness hardware (buckles, D-rings, back pad, loop keepers); These items must not be damaged, broken, distorted, and must be free of sharp edges, burrs, cracks, worn parts, or corrosion. PVC coated hardware must be free of cuts, rips, tears, holes, etc. in the coating to ensure non-conductivity. Ensure buckles work smoothly. If present, inspect the quick connect buckles by ensuring that the release tabs work freely and that a click is heard when the buckle engages. Inspect parachute buckle spring.

Step 2. Inspect webbing; material must be free of frayed, cut, or broken fibers. Check for tears, abrasions, mold, burns, or discoloration. Inspect stitching; Check for pulled or cut stitches. Broken stitches may be an indication that the harness has been impact loaded and must be removed from service.

IMPORTANT: *On Delta Vest™ harnesses, inspection should include the webbing inside the vest.*

Step 3. Inspect labels; All labels should be present and fully legible. See section 8.0.

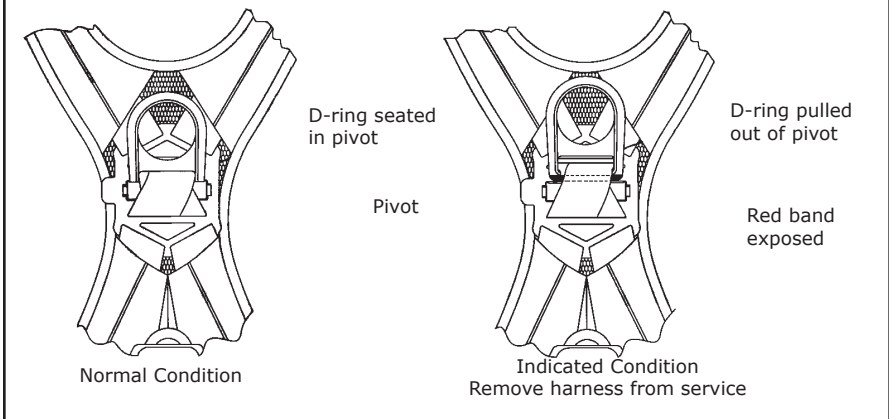
Step 4. Inspect each system component or subsystem according to manufacturer's instructions.

Step 5. Impact Indicators: Fall arrest impact indicators give a permanent, readily visible warning if the harness has arrested a fall (or has been subjected to an equivalent force). Impact indicators must be inspected before each use. If the impact indicator has been activated the harness must be removed from service and destroyed. Each harness includes one of the following built-in fall arrest impact indicators:

Stitched impact indicator: The stitched impact indicator is a section of webbing that is lapped back on itself and secured with a specific stitch pattern holding the lap. The stitch pattern is designed to release when the harness arrests a fall or has been subjected to an equivalent force.

Dorsal D-ring impact indicator: The dorsal D-ring indicator (Figure 23) consists of a D-ring which is fitted into a plastic housing. This is designed so that the D-ring will be released from the housing exposing a red impact indication label when the harness arrests a fall or has been subjected to an equivalent force.

Figure 23 - Impact Indicator



Step 6. Record the inspection date and results in the inspection and maintenance log in section 9.0, or use the i-Safe™ inspection web portal.

NOTE: Some harnesses are equipped with a "stand up D-ring" in the dorsal (back) D-ring location. If the spring in the D-ring is damaged or lost and the D-ring no longer stands up, this does not compromise the harness integrity. As long as the D-ring passes inspection criteria in Step 1, it is safe to use.

5.4 If inspection reveals a defective condition, remove unit from service immediately and destroy.

NOTE: Only DBI-SALA or parties authorized in writing may make repairs to this equipment.

5.5 PRODUCT LIFE: The functional life of DBI-SALA harnesses is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

6.0 MAINTENANCE, SERVICING, STORAGE

6.1 WASHING INSTRUCTIONS:

A. FULL BODY HARNESS: Clean full body harness with water and a mild soap solution. Do not use bleach or bleach solutions. Wipe off hardware with a clean, dry cloth, and hang to air dry. Do not force dry with heat. An excessive buildup of dirt, paint, etc. may prevent the full body harness from working properly, and in severe cases degrade the webbing to a point where it weakens and should be removed from service. More information on cleaning is available from DBI-SALA. If you have questions concerning the condition of your harness, or have any doubt about putting it into service contact DBI-SALA.

B. FIRE RESISTANT PADDING:

- Remove pads from harness for laundering. Place the harness in the supplied laundry bag. The bag is designed to prevent entanglement of harness and to protect the washing machine from damage. Use of the laundry bag to wash the pads is optional.
- Launder flame resistant pads separately from harness or other non-flame resistant garments. Lint from other garments may affect flame resistance.
- Use a bleach-free detergent when washing both the harness and the pads. Do not use soap; soap may leave a residue which could affect flame resistance.
- Do not use chlorine bleach. Bleach may weaken fabric and reduce product life.
- Oily or greasy stains may be pre-treated and washed in hot water 140°F max (60°C max).
- Use delicate, permanent press, or cotton sturdy wash cycle with cold or warm water. Hot water can be used on heavily soiled items as long as it does not exceed 140°F (60°C). Use extra rinse cycle to be sure all residual wash chemicals are removed.
- Air dry or tumble dry using permanent press cycle and low heat. Drying temp should not exceed 200°F (93°C). These fabrics dry quickly, for lowest shrinkage, do not over dry.

6.2 Additional maintenance and servicing procedures must be completed by a factory authorized service center. Authorization must be in writing. Do not attempt to disassemble the unit.

6.3 Store full body harnesses in a cool, dry, clean environment out of direct sunlight. Avoid areas where chemical vapors may exist. Thoroughly inspect the full body harness after extended storage.

7.0 SPECIFICATIONS

7.1 PERFORMANCE

Maximum Free Fall Distance: No greater than 6 feet (1.8 m), per federal law and ANSI Z359.1.

Maximum Arresting Force: 1,800 lbs. (8 kN)

Capacity: 420 lbs. (191 kg)

Approximate Weight:

Harness only: 3 lbs. (1.4.kg)

Harness with Side D-rings: Add 1/2 lb. (.23 kg)

Harness with Back Pad or Belt: Add 1 lb. (.45 kg)

Cross-over Style Harness Patent numbers:

United States: 5,203,829

Canada: 2,080,643

All harnesses, excluding Kevlar harnesses, meet ANSI Z359.1 and OSHA requirements.

7.1 MATERIALS

Standards: All harnesses marked with ASTM F887-2004 meet all testing requirements of the standard.

Webbing Materials: 7000 lbs. Tensile strength Nylon
7000 lbs. Tensile strength Nomex* covered Kevlar*

Pad and Label Cover Materials:

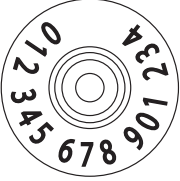
- All outer fabric is Nomex and Kevlar blend fabric
- Fire resistant hook and loop fasteners

Optional Accessories:

- Hip Pad with side D-rings
- Nomex covered Kevlar webbing
- Non-sparking/ Non-conductive PVC coated hardware
- Arc-rated hip, leg, and back pads
- Polyurethane coated, arc-rated dorsal web loop

8.0 LABELING

8.1 The following labels must be present and be completely legible:

ANSI	CSA
 RFID Serial Number Label	 Étiquette RFID
 Size Label	 Étiquette de taille
WARNING MANUFACTURER'S INSTRUCTIONS MUST BE READ AND UNDERSTOOD PRIOR TO USE. INSTRUCTIONS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH. CONTACT DBI/SALA IF INSTRUCTION SHEET IS NEEDED. INSPECT BEFORE EACH USE. DO NOT USE IF WEAR OR DAMAGE IS PRESENT. THIS BODY HARNESS IS INTENDED TO BE USED TO ARREST THE MOST SEVERE FREE FALLS. ITEMS SUBJECT TO FALL ARREST OR IMPACT FORCES MUST BE IMMEDIATELY REMOVED FROM SERVICE AND DESTROYED. CONNECTING SNAP AND D-RING MUST BE COMPATIBLE IN SIZE, SHAPE AND STRENGTH. THIS ITEM IS NOT FLAME OR HEAT RESISTANT. REPAIRS ONLY TO BE PERFORMED BY DBI/SALA. EQUIPMENT MODIFICATION OR MISUSE: VOIDES WARRANTY. 9501552 REV. B  DBI/SALA 3965 PEPIN AVENUE RED WING, MN 55066 (800) 328-6146 DBI BODY HARNESS. CAPACITY: 310 LBS. NYLON WEB DO NOT REMOVE THIS LABEL MADE IN THE U.S.A. Warning Label Used on Nylon ASTM F887-2004 Compliant Harnesses	WARNING/AVERTISSEMENT ! Any unit which has seen a fall arresting service should not be used after such service. Before use, read and comply with all labels and separate instructions. Failure to do so could result in serious injury or death. Contact Capital Safety if written instruction sheet(s) needed. Inspect before each use. If wear damage exists, do not use. This body harness is intended to be used to arrest the most severe falls. Connecting snap and D-ring must be compatible in size, shape and strength. Repairs only to be performed by Capital Safety Group. Equipment modification or misuse voids warranty. On ne doit pas utiliser un dispositif après qu'il a servi à arrêter une chute. Avant de l'utiliser, on doit lire et observer les instructions sur toutes les étiquettes et dans les autres documents. Vérifier de la faire pour cause des blessures graves, voire mortelles. Communiquer avec Capital Safety si on a besoin d'une fiche d'instructions. Inspecter avant chaque utilisation. Si il y a des dommages dus à de l'usage, ne pas utiliser. Ce harnais de sécurité est destiné à être utilisé pour arrêter les chutes. La réparation et l'entretien de ce harnais doivent être effectués uniquement par le Capital Safety Group. Une modification ou un usage abusif de l'équipement annule la garantie. 9502007 REV. C  DBI BODY HARNESS/Harnais de sécurité NYLON WEB/Sangle: Nylon SIZE/GRANDEUR: SEE LABEL DO NOT REMOVE THIS LABEL/ Ne pas enlever cette étiquette MEETS ASTM F887-05 www.capitalsafety.com (800) 328-6146 MADE IN CANADA CSA STANDARD Z259.10-06 Étiquette de mise en garde du harnais de nylon
WARNING MANUFACTURER'S INSTRUCTIONS MUST BE READ AND UNDERSTOOD PRIOR TO USE. INSTRUCTIONS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH. CONTACT DBI/SALA IF INSTRUCTION SHEET IS NEEDED. INSPECT BEFORE EACH USE. DO NOT USE IF WEAR OR DAMAGE IS PRESENT. THIS BODY HARNESS IS INTENDED TO BE USED TO ARREST THE MOST SEVERE FREE FALLS. ITEMS SUBJECT TO FALL ARREST OR IMPACT FORCES MUST BE IMMEDIATELY REMOVED FROM SERVICE AND DESTROYED. CONNECTING SNAP AND D-RING MUST BE COMPATIBLE IN SIZE, SHAPE AND STRENGTH. REPAIRS ONLY TO BE PERFORMED BY DBI/SALA. EQUIPMENT MODIFICATION OR MISUSE: VOIDES WARRANTY. 9501553 REV. C  DBI BODY HARNESS. CAPACITY: 310 LBS. NOMEX/KEVLAR WEB www.capitalsafety.com (800) 328-6146 DO NOT REMOVE THIS LABEL MADE IN THE U.S.A. Warning Label Used on Nomex/Kevlar ASTM F887-2004 Compliant Harnesses	WARNING/AVERTISSEMENT ! Any unit which has seen a fall arresting service should not be used after such service. Manufacturer's instructions must be read and understood prior to use. Instructions supplied with this equipment must be followed. Failure to do so could result in serious injury or death. Contact DBI/SALA if instruction sheet is needed. Inspect before each use. Do not use if wear or damage are present. This body harness is intended to be used to arrest the most severe falls. Connecting snap and D-ring must be compatible in size, shape and strength. Repairs only to be performed by DBI/SALA. Equipment modification or misuse voids warranty. On ne doit pas utiliser un dispositif après qu'il a servi à arrêter une chute. On doit lire et comprendre les instructions du fabricant avant d'utiliser le produit. On doit observer les instructions fournies au moment de l'expédition. Vérifier de la faire pour cause des blessures graves, voire mortelles. Communiquer avec DBI/SALA si on a besoin d'une fiche d'instructions. Inspecter avant chaque utilisation. Ne pas utiliser s'il y a de l'usure ou des dommages. Ce harnais de sécurité est destiné à être utilisé pour arrêter les chutes. Les réparations doivent être effectuées uniquement par DBI/SALA. Une modification ou un usage abusif de l'équipement annule la garantie. 9502101 REV. A  Full Body Harness Harnais de sécurité Nomex/Kevlar web Sangle en Nomex/Kevlar Size: See Label Grandeur: Voir étiquette Do not remove label Ne pas enlever cette étiquette Made in Canada Fabriqué au Canada Harness classification: Classe de harnais: www.capitalsafety.com USA: (800) 328-6146 Canada: (800) 387-7484 CSA STANDARD Z259.10 Étiquette de mise en garde du harnais Nomex ou Kevlar

ANSI

▲ WARNING MANUFACTURER'S INSTRUCTIONS MUST BE READ AND UNDERSTOOD PRIOR TO USE. INSTRUCTIONS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH. CONTACT DBI-SALA IF INSTRUCTION SHEET IS NEEDED. INSPECT BEFORE EACH USE. DO NOT USE IF WEAR OR DAMAGE IS PRESENT. THIS BODY HARNESS IS INTENDED TO BE USED TO ARREST THE MOST SEVERE FREE FALLS. ITEMS SUBJECTED TO FALL ARREST OR IMPACT FORCES MUST BE IMMEDIATELY REMOVED FROM SERVICE AND DESTROYED. CONNECTING SNAP AND D-RING MUST BE COMPATIBLE IN SIZE, SHAPE, AND STRENGTH. THIS ITEM IS NOT FLAME OR HEAT RESISTANT. REPAIRS ONLY TO BE PERFORMED BY DBI-SALA. EQUIPMENT MODIFICATION OR MISUSE VOID'S WARRANTY.

9503346 Rev. G



www.capitalsafety.com

USA: (800) 328-6146

DO NOT REMOVE LABEL.
MADE IN XXXX

BODY HARNESS
POLYESTER WEB

CAPACITY: 420 LBS.

▲ WARNING

DO NOT EXCEED CAPACITY OF THIS OR OTHER SYSTEM COMPONENTS. CAPACITY IS THE COMBINED WEIGHT FOR WHICH THE COMPONENT IS DESIGNED TO BE USED. COMBINED WEIGHT INCLUDES THE USER'S BODY WEIGHT, CLOTHING, TOOLS, AND ANY OBJECTS CARRIED. CONTACT DBI-SALA FOR MORE INFORMATION.

Warning Label

CSA

▲ WARNING MANUFACTURER'S INSTRUCTIONS MUST BE READ AND UNDERSTOOD PRIOR TO USE. INSTRUCTIONS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH. CONTACT CAPITAL SAFETY IF INSTRUCTION SHEET IS NEEDED. INSPECT BEFORE EACH USE. REMOVE FROM SERVICE AFTER FALL ARREST. REMOVE FROM SERVICE IF WEAR/DAMAGE IS PRESENT DURING INSPECTION. MAKE ONLY COMPATIBLE CONNECTIONS. DO NOT ALTER OR REPAIR HARNESS.

9502072 Rev. B

▲ AVERTISSEMENTS LES INSTRUCTIONS DU FABRICANT DOIVENT ÊTRE LUES ET COMPRÉHENSES PRÉALABLEMENT À L'UTILISATION. LES INSTRUCTIONS FOURNIES AVEC CE PRODUIT AU MOMENT DE L'EXPORTATION DOIVENT ÊTRE SUIVIES. RÉGULER LES RECOMMANDATIONS PEUT ENTRAÎNER DES BLESSURES GRAVES, VOIRE MORTELLES. CONTACTER CAPITAL SAFETY EN CAS DE BÉSOIN DE NOTICE. INSPECTER AVANT CHAQUE UTILISATION. RETIRER HORS SERVICE APRÈS L'ARRÊT D'UNE CHUTE. METTRE HORS SERVICE SI L'INSPECTION RÉVÈLE DES DOMMAGES DUS À L'USURE. EFFECTUER SEULEMENT DES RÉPARATIONS COMPATIBLES. NE PAS MODIFIER OU RÉPARER LE HARNAIS.



www.capitalsafety.com

(800) 328-6146

MADE IN CANADA.



CSA STANDARD Z259.10-06

BODY HARNESS/Harnais de sécurité
POLYESTER WEB/Sangle polyester
SIZE/GRADEUR: SEE LABEL
DO NOT REMOVE THIS LABEL/
Ne pas enlever cette étiquette
MEETS ASTM F887-05

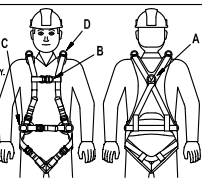
HARNESS CLASSIFICATION/
Classe de Harnais

Vignette de mise en garde

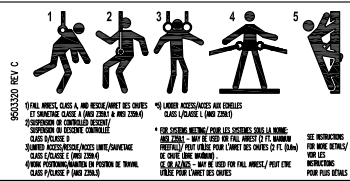
USER IDENTIFICATION
MARK LABEL WITH
PERMANENT MARKER

9503011 Rev. B
U.S. PATENT NO. 6,686,434

A - BACK D-RING IS FOR FALL ARREST AND RESCUE.
B - FRONT D-RING (IF PRESENT) IS FOR POSITIONING, LADDER CLIMBING, OR FALL ARREST (2 FT. MAXIMUM FREEFALL). USE SELF-LOCKING SNAPS ONLY.
C - SIDE D-RINGS (IF PRESENT) ARE FOR POSITIONING.
D - SHOULDER D-RINGS (IF PRESENT) ARE FOR RESCUE ONLY. DO NOT USE FOR OTHER PURPOSES. USE SELF-LOCKING SNAPS ONLY.
SEE INSTRUCTIONS FOR MORE DETAILS.



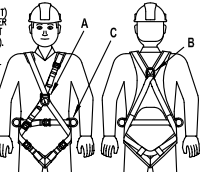
Instruction Label (Vest Style)



USER IDENTIFICATION
MARK LABEL WITH
PERMANENT MARKER

9503007 Rev. B

A - FRONT D-RING (IF PRESENT) IS FOR POSITIONING, LADDER CLIMBING, OR FALL ARREST (2 FT. MAXIMUM FREEFALL).
B - BACK D-RING IS FOR FALL ARREST AND RESCUE.
C - SIDE D-RINGS (IF PRESENT) ARE FOR POSITIONING.
SEE INSTRUCTIONS FOR MORE DETAILS.
U.S. PAT. NO. RE35,028
CAN. PAT. NO. 2,080,643.



Instruction Label (Cross-Over Style)

USER IDENTIFICATION/
IDENTIFICATION DE L'UTILISATEUR
MARK LABEL WITH PERMANENT
MARKER/MARKER ÉTHERMISTE AVEC
UN MARQUEUR PERMANENT.

Étiquette couverture

ANSI

950300 Rev A	PRODUCT COMPLIANCE	
	THIS PRODUCT COMPLIES WITH THE FOLLOWING STANDARDS ONLY IF MARKED WITH THE CORRESPONDING LETTER CODE UNDER "STDS" SECTION BELOW.	
	A = ANSI Z359.1	B = OSHA
	C = ANSI A10.32-2004	D = ASTM F887-2005
	E = ANSI Z359.3	F = ANSI Z359.4
MFRD(YR/MO):		LOT: MODEL NO: STDS:

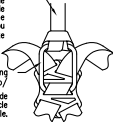
SERIAL NO.: SEE RFID TAG IN CLEAR POUCH	
INITIAL	
DATE	
INSPECTION LOG	
DO NOT REMOVE THIS LABEL	

Inspection Label

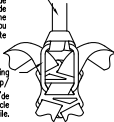
CSA

950006 Rev A	INSPECTION LOG	
	RELEVÉ D'INSPECTION	
	SERIAL NO./NUMÉRO DE SÉRIE: SEE RFID TAG IN CLEAR POUCH VOIR ÉTIQUETTE DE RFID DANS LA POUCHE TRANSPARENTE	
	MFRD/LOT/FABR. LOT: (YR/MO) / (A/MM)	MODEL NO./MODÈLE
	INITIAL	
DATE		
INSPECTION LOG		
DO NOT REMOVE THIS LABEL		

Vignette d'inspection

9507096 Rev F	
Fall arrest or restraint system connecting web loop/ Boucle de raccordement de toile de système de retenue ou d'arrêt de chute  Harness, D-ring or Web Loop/ Boucle en "D" de harnais ou boucle de toile.	▲ WARNING/AVERTISSEMENT! Only compatible connections may be made with web loops. Snap hooks (both self locking and non-locking types) connected into web loops may result in inadvertent disengagement. Refer to separate instructions for further details. Failure to follow these instructions may result in serious injury or death. Do not remove label. Seuls des connexions compatibles doivent être faites avec les boucles de toile. Un masquage (de type avec ou sans verrou) rattaché à une boucle de toile pourrait se désengager par inadvertance. Pour plus de détails, référez vous aux instructions. Ne pas vous conformer à ces instructions pourrait causer des blessures graves ou la mort. Ne pas retirer l'étiquette.

Web Loop Harness Label

9507096 Rev F	
Fall arrest or restraint system connecting web loop/ Boucle de raccordement de toile de système de retenue ou d'arrêt de chute  Harness, D-ring or Web Loop/ Boucle en "D" de harnais ou boucle de toile.	▲ WARNING/AVERTISSEMENT! Only compatible connections may be made with web loops. Snap hooks (both self locking and non-locking types) connected into web loops may result in inadvertent disengagement. Refer to separate instructions for further details. Failure to follow these instructions may result in serious injury or death. Do not remove label. Seuls des connexions compatibles doivent être faites avec les boucles de toile. Un masquage (de type avec ou sans verrou) rattaché à une boucle de toile pourrait se désengager par inadvertance. Pour plus de détails, référez vous aux instructions. Ne pas vous conformer à ces instructions pourrait causer des blessures graves ou la mort. Ne pas retirer l'étiquette.

Étiquette de harnais de boucle de Web

9.0 INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER: _____

MODEL NUMBER: _____

DATE PURCHASED: _____ DATE FIRST USED: _____

INSPECTION DATE	INSPECTION ITEMS NOTED	CORRECTIVE ACTION	MAINTENANCE PERFORMED
Approved By:			
Approved By:			
Approved By:			
Approved By:			
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This instruction applies to the following models:

1100092	1101116	1101439	1101643	1101797
1100181	1101117	1101440	1101644	1101798
1100195	1101118	1101441	1101645	1101800
1100230	1101119	1101450	1101646	1101801
1100231	1101120	1101451	1101647	1101802
1100232	1101121	1101452	1101649	1101803
1100233	1101214	1101453	1101650	1101804
1100245	1101215	1101455	1101651	1101805
1100246	1101216	1101456	1101653	1101806
1100247	1101217	1101457	1101654	1101807
1100299	1101218	1101458	1101654H	1101808
1100406	1101219	1101459	1101655	1101809
1100482	1101240	1101460	1101655H	1101810
1100520	1101241	1101461	1101656	1101812
1100521	1101250	1101462	1101656H	1101813
1100522	1101251	1101463	1101657	1101814
1100540	2104180	1101464	1101658	1101815
1100541	1101252	1101465	1101659	1101816
1100542	1101252H	1101466	1101660	1101817
1100543	1101253	1101467	1101661	1101818
1100550	1101253H	1101468	1101662	1101819
1100675	1101254	1101469	1101663	1101820
1100676	1101254H	1101470	1101664	1101821
1100700	1101255	1101471	1101665	1101822
1100701	1101255H	1101472	1101666	1101823
1100702	1101256	1101473	1101667	1101824
1100703	1101257	1101474	1101668	1101826
1100726	1101258	1101511	1101669	1101827
1100727	1101259	1101512	1101670	1101828
1100750	1101260	1101513	1101671	1101829
1100756	1101261	1101514	1101672	1101830
1100762	1101262	1101515	1101673	1101831
1100767	1101266	1101516	1101776	1101832
1100768	1101267	1101611	1101777	1101833
1100769	1101268	1101625	1101778	1101834
1100775	1101269	1101626	1101779	1101835
1100776	1101270	1101627	1101780	1101836
1100777	1101271	1101628	1101781	1101837
1100778	1160008	1101629	1101782	1101838
1100779	1101272	1101630	1101783	1101839
1100780	1101273	1101631	1101784	1101840
1100781	1101274	1101632	1101785	1101841
1100840	1101340	1101633	1101786	1101842
1100841	1101341	1101634	1101787	1101843
1100842	1101420	1101635	1101789	1101844
1100925	1101421	1101636	1101790	1101845
1100926	1101422	1101637	1101791	1101851
1100927	1101423	1101638	1101792	1101854
1100928	1101424	1101639	1101793	1101855
1100929	1101436	1101640	1101794	1101856
1101021	1101437	1101641	1101795	1101857
1101022	1101438	1101642	1101796	1101858

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Additional Model Numbers may appear on the next printing.

WARRANTY

Equipment offered by DBI-SALA are warranted against factory defects in workmanship and materials for a period of two years from date of installation or use by the owner, provided that this period shall not exceed two years from the date of shipment. Upon notice in writing, DBI-SALA will promptly repair or replace all defective items. DBI-SALA reserves the right to elect to have any defective item returned to its plant for inspection before making a repair or replacement. This warranty does not cover equipment damages resulting from abuse, damage in transit, or other damage beyond the control of DBI-SALA. This warranty applies only to the original purchaser and is the only one applicable to our products, and is in lieu of all other warranties, expressed or implied.



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