



The Ultimate in Fall Protection

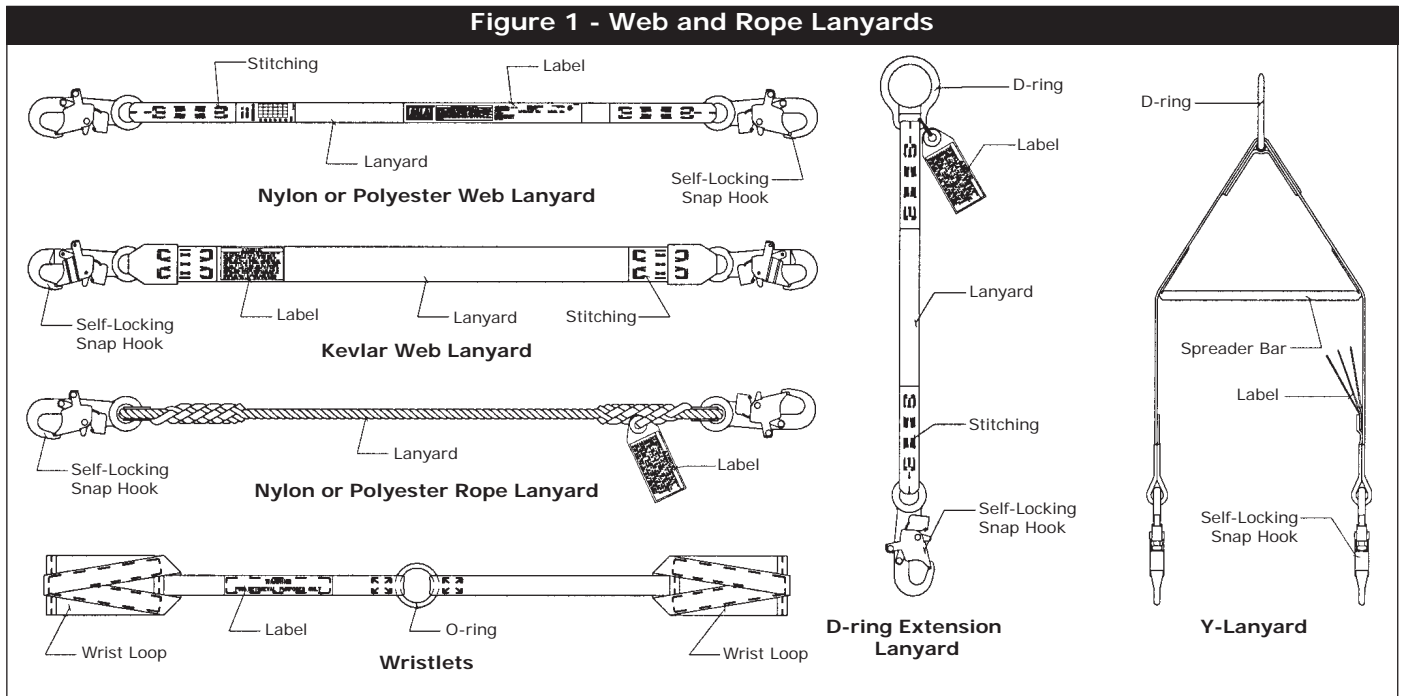
**Instructions for the following series products:**

Web Lanyards, Rope Lanyards, D-Ring Extensions  
(See back pages for specific model numbers.)

**USER INSTRUCTION MANUAL  
WEB AND ROPE LANYARDS, D-RING EXTENSION**

This manual is intended to meet the Manufacturer's Instructions as recommended by OSHA, and should be used as part of an employee training program.

**Figure 1 - Web and Rope Lanyards**



**DESCRIPTION**

**Nylon Rope Lanyards:**

- Adjustable 1/2 inch (1.3 cm) rope, self-locking snap hook each end.
- Adjustable 5/8 inch (1.6 cm) rope, self-locking snap hook each end.
- 1/2 inch (1.3 cm) rope, self-locking snap each end.
- 1/2 inch (1.3 cm) rope, self-locking snap hook, carabiner other end.
- 5/8 inch (1.6 cm) rope, self-locking snap hook each end.

**Polyester Rope Lanyards:**

- Adjustable 1/2 inch (1.3 cm) rope, self-locking snap hook each end.
- Adjustable 5/8 inch (1.6 cm) rope, self-locking snap hook each end.
- 1/2 inch (1.3 cm) rope, self-locking snap hook each end.
- 1/2 inch (1.3 cm) rope, self-locking snap hook, carabiner other end.
- 5/8 inch (1.6 cm) rope, self-locking snap hook each end.

**Polyester Y-Lanyards:**

- 1-3/4 inch (4.5 cm) polyester web, self-locking snap hook each end, spreader bar, center D-ring.
- 1-3/4 inch (4.5 cm) polyester web, self-locking snap hook each end, center D-ring.

**Nylon Rope Y-Lanyard:**

- 1/2 inch (1.3 cm) rope, Saflok Max hook each end, center self-locking snaphook

**Polyester Web Lanyards/D-Ring Extension:**

- Adjustable 1 inch (2.5 cm) web, self-locking snap hook each end.
- 1 inch (2.5 cm) web, self-locking snap hook each end.
- 1 inch (2.5 cm) web, self-locking hook, D-ring (D-ring extension).
- 1 inch (2.5 cm) web, self-locking snap hook, carabiner other end.
- 1 inch (2.5 cm) web, self-locking snap hook, closed loop choker.
- 1 inch (2.5 cm) web, Saflok Max hook, D-ring

**Kevlar Web Lanyards:**

- 1-3/4 inch (4.5 cm) Kevlar web, self-locking snap hook each end.
- 1-3/4 inch (4.5 cm) Kevlar web, self-locking snap hook, 1-3/16 inch (3 cm) throat carabiner.

**Nylon Web Lanyards:**

- Adjustable 1 inch (2.5 cm) web, self-locking snap hook each end.
- 1 inch (2.5 cm) web, self-locking snap hook each end.

**Wristlets:**

- 1 inch (2.5 cm) web, center O-ring, wrist loop each end.
- 1 inch (2.5 cm) web, Y style, center D-ring, wrist loop each end.
- 1 inch (2.5 cm) web, Detachable style, O-ring, 1 wrist loop.

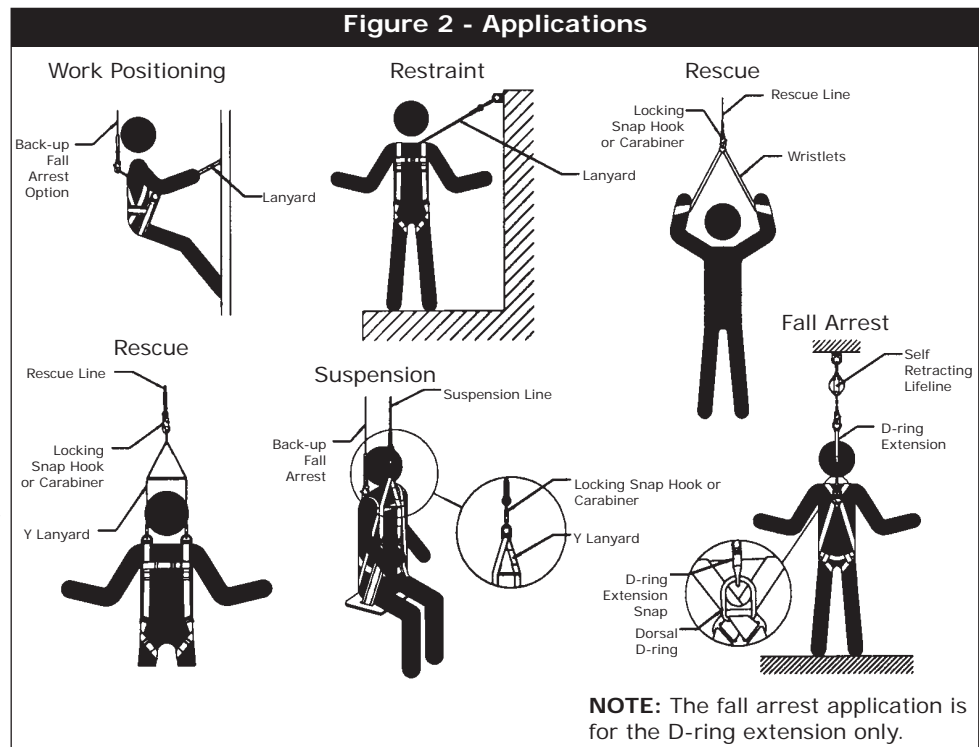
**WARNING:** This product is part of a personal restraint, work positioning, suspension, or rescue system. These instructions must be provided to the user and rescuer (see section 8 Terminology). The user must read and understand these instructions or have them explained to them before using this equipment. The user must read and follow the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use and maintenance of this product. 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, application, or suitability for use of this equipment, contact DBI-SALA.

**IMPORTANT:** Before using this equipment record the product identification information (found on the I.D. label) in the Inspection and Maintenance Log at the back of this manual.

## 1.0 APPLICATION

**1.1 PURPOSE:** DBI-SALA lanyards are to be used as part of a personal restraint, work positioning, suspension, or rescue system. The D-ring extension assembly may also be used as part of a personal fall arrest system only if it is attached to a self retracting lifeline or an energy absorbing lanyard. Applications include: inspection work, construction, demolition, maintenance, oil production, and confined space rescue. See Figure 2.



- A. RESTRAINT:** The lanyard is used to prevent the user from reaching a hazard, such as leading edge work. No vertical free fall is possible.
- B. WORK POSITIONING:** The lanyard is used to position or support (with a harness or body belt) the user at the work position, such as window washing or steel workers. The maximum free fall is 2 feet (.6 m).
- C. SUSPENSION:** The lanyard (generally a Y-type) is used with a chair or other support system to suspend or transport the user vertically, such as in a boatswain's chair. No vertical free fall is possible.
- D. RESCUE:** The lanyard (generally a Y-type or wristlet) is used to retrieve a victim in a rescue, such as confined space rescue and retrieval. No vertical free fall is possible.
- E. FALL ARREST:** The D-ring extension is used in-line with a personal fall arrest system to assist in attachment to the system.

**1.2 LIMITATIONS:** The following application limitations must be recognized and considered before using this product:

- A. CAPACITY:** This equipment is for use by persons with a combined weight (person, clothing, tools, etc.) of no more than 310 lbs. (140.6 kg.)
- B. FREE FALL:** Lanyards used for work positioning applications must be rigged to minimize any potential vertical free fall. In no case should the potential free fall be greater than 2 feet (.6 m). For situations where the free fall may exceed 2 feet (.6 m), a backup fall arrest system should be used. The Y-lanyards and wristlets may only be used where there is no possible vertical free fall.

If the D-ring extension assemblies are used in conjunction with a self retracting lifeline or an energy absorbing lanyard in a fall arrest application, the length of the D-ring extension assembly must be taken into account when calculating the free fall distance and the fall clearance requirements.

- C. **FALL CLEARANCE:** Ensure that enough clearance exists in your fall path to prevent striking an object. The amount of clearance needed is dependent on the type and length of the lanyard used and anchorage location. See section 1.2 B.
- D. **BACKUP FALL ARREST SYSTEM:** Some applications of this equipment may require the use of a backup fall arrest system; such as when using a Y-lanyard to suspend a person in a boatswain's chair.
- E. **PHYSICAL AND ENVIRONMENTAL HAZARDS:** Use of this equipment in areas with physical or environmental hazards may require additional precautions to reduce the possibility of injury to the user or damage to the equipment. Hazards may include, but are not limited to: heat, severe cold, chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges. Contact DBI-SALA if you have any questions about using this equipment where physical or environmental hazards exists.
- F. **TRAINING:** This equipment must be used by persons who have been properly trained in its correct application and use.

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

## **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. (22.2kN). Per ANSI Z359.1, connector gates must be able to withstand a load of 3,600 lbs (16 kN): the face of the gate must withstand 3,600 lbs (16 kN); the side of the gate must withstand 3,600 lbs (16 kN), and the minor axis for a snap hook or carabiner must withstand 3,600 lbs (16 kN), except those with captive eyes. 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 3. 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 instructions. See Figure 4 for inappropriate connections. DBI-SALA snap hooks and carabiners should not be connected:

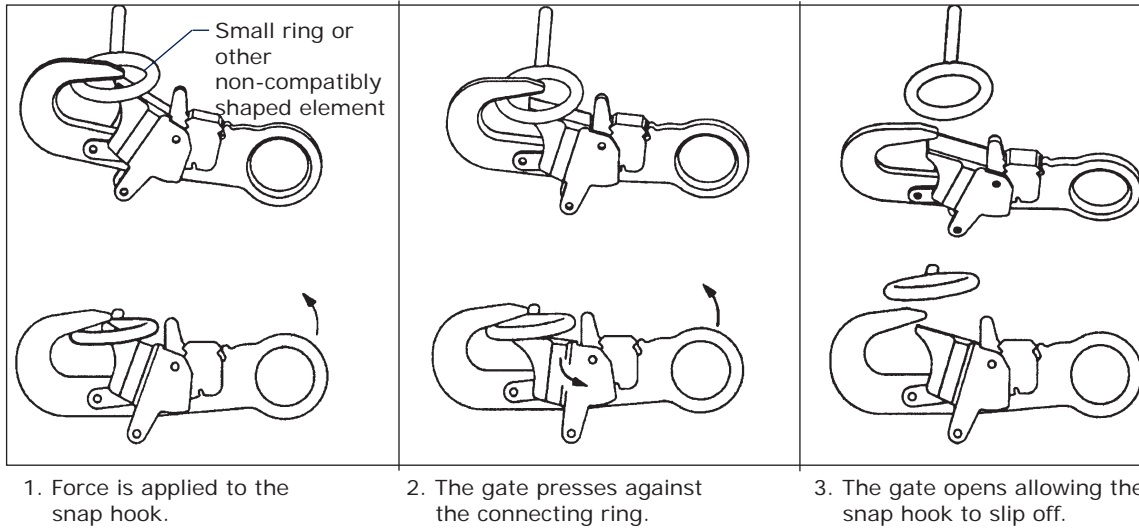
- A. To a D-ring to which another connector is attached.
- B. In a manner that would result in a load on the gate.

**NOTE:** Large throat-opening 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. Large throat snap hooks are designed for use on fixed structural elements such as rebar or cross members that are not shaped in a way that can capture the gate of the hook.

- 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.
- 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 allow such a connection).

**Figure 3 - Unintentional Disengagement (Roll-out)**

If the connecting element that a snap hook (shown) or carabiner attaches to 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.



- 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 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:**

Anchorage 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

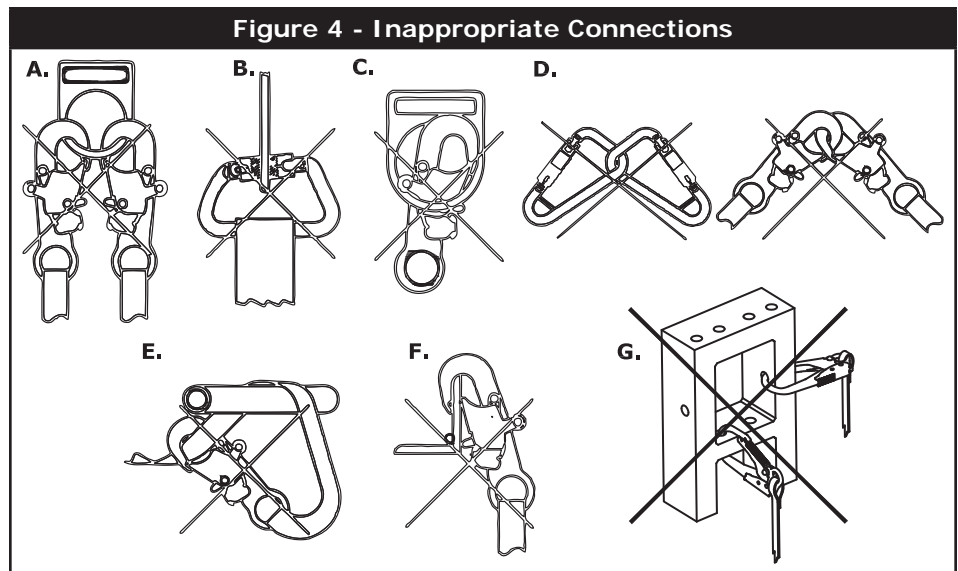
force for certified anchorages. When more than one fall arrest system is attached to an anchorage, the strengths set forth in (1) and (2) above shall be multiplied by the number of systems attached to the anchorage.

**B. 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.

**C. RESTRAINT:** Anchorages 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.

- 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.

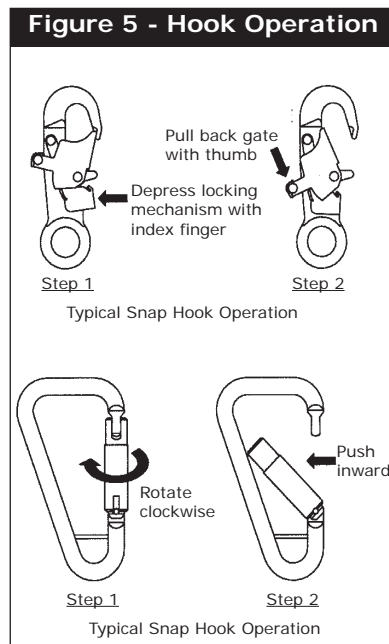
**WARNING:** Anchorages used for restraint, rescue, or suspension may only be used where there is no possible vertical free fall. These anchorages do not have sufficient strength for work positioning or fall arrest. Do not connect work positioning or fall arrest systems to these anchorages. Anchorages intended for work positioning may not be suitable for use with fall arrest systems (fall greater than 2 feet (.6 m)) and should not be used for fall arrest unless specifically designed to do so.

### 3.0 OPERATION AND USAGE

**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 hazards, chemical hazards, and sharp edges. Do not loop the lanyard around small structural members.

**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 and minors must not use this equipment.

- 3.1 BEFORE EACH USE** of this equipment, carefully inspect it to assure that it is in serviceable condition. Check for worn or damaged parts. Ensure that all hardware is present and secure. Inspect for sharp edges, burrs, cracks, or corrosion. Ensure self-locking snap hooks or carabiners work properly. See Figure 5. Inspect the rope or webbing for wear, cuts, burns, frayed edges, breaks, or other damage. Refer to section 5.0 for further inspection details. Do not use if inspection reveals an unsafe condition.



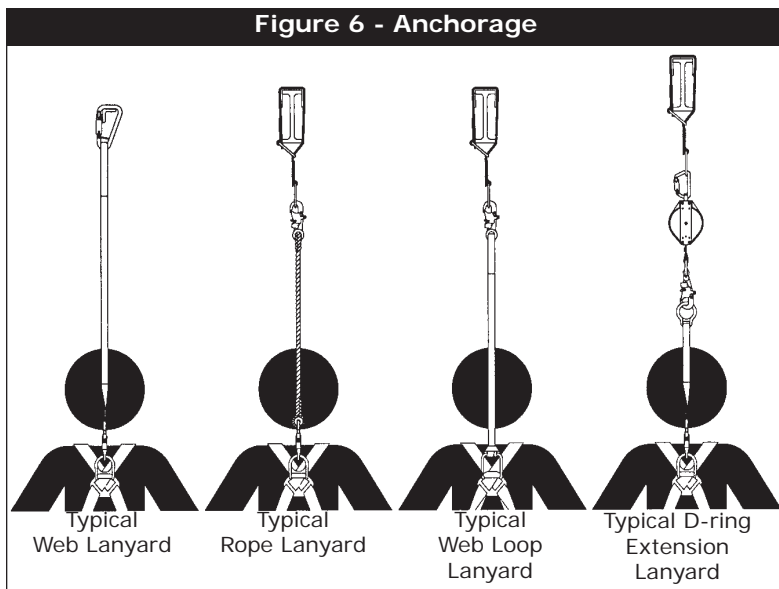
- 3.2 PLAN** your restraint, working positioning, suspension, or rescue system before starting your work. Consider all factors that affect your safety at any time during use. The following list gives some important points to consider when planing your system.

- A. ANCHORAGE:** Select a rigid anchorage point that is capable of supporting the required loads. See section 2.4. For work positioning systems, the anchorage location must be selected to limit the free fall to 2 feet (.6 m), to reduce swing fall hazards, and to avoid striking an object during a fall. See Figures 6 and 7.

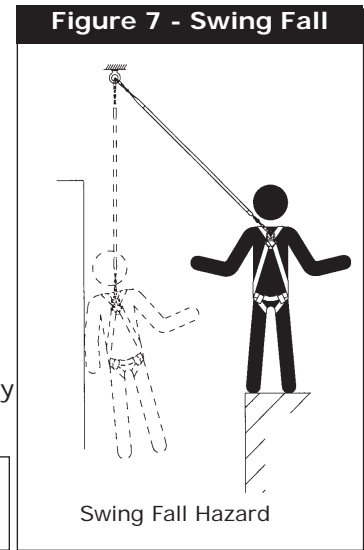
- B. FREE FALL:** Depending on the lanyard type and the application, the allowable free fall ranges from no free fall to 2 feet (.6 m). See section 1.2.B.

- C. FALL CLEARANCE:** Should a fall occur, there must be sufficient clearance in the fall area to arrest the fall before striking the ground or other objects.

- D. BACKUP FALL ARREST:** Some suspension and work positioning applications of this equipment may require a backup fall arrest system and independent fall arrest anchorage. See OSHA guidelines when designing the system.



- E. **SHARP EDGES:** Avoid working where the lanyard, subsystem, or other system components will be in contact with, or abrade against unprotected sharp edges. Do not loop the lanyard around small diameter structural members. If working with this equipment near sharp edges is unavoidable, protection against cutting must be provided by using a heavy pad or other means over the exposed sharp edge.
- F. **RESCUE:** When using this equipment, the employer must have a rescue plan and the means at hand to implement it and communicate that plan to users, authorized persons, and rescuers.
- G. **AFTER A FALL:** Any equipment which has been subjected to the forces of arresting a fall or exhibits damage consistent with the effect of fall arrest forces as described in section 5, must be removed from service immediately and destroyed by the user, the rescuer, or an authorized person.



**WARNING:** Follow the manufacturer's instructions for associated equipment (full body harness, workseat, etc.) used in your restraint, work positioning, suspension, or rescue system.

**IMPORTANT:** For special (custom) versions of this product, follow the instructions herein. If included, see supplement for additional instructions.

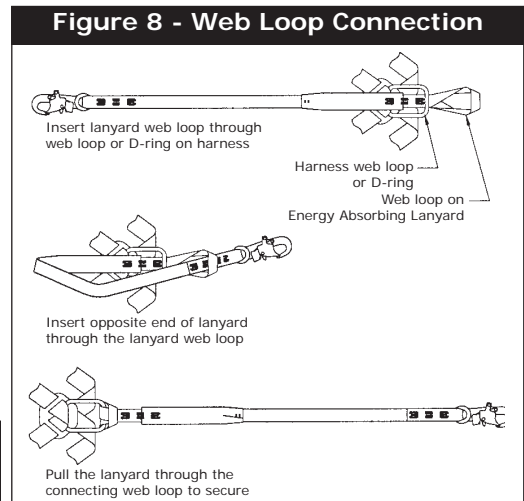
**3.3 MAKING CONNECTIONS:** Do not use hooks or connectors that will not completely close over the attachment object. For these situations, use a "tie-off" adapter or other anchorage connector to allow a compatible connection. Do not knot a lanyard in any manner. Do not attach a snap hook directly to a horizontal lifeline or to a webbing loop. Lanyards with web loops must only be attached to other components with compatible connections. When a web lanyard is used as a D-ring extension on a harness, connect the snap hook to the dorsal connector on the back of the harness. Always follow the manufacturer's instructions supplied with each system component.

- A. **CONNECTING TO ANCHORAGE OR ANCHORAGE CONNECTOR:** When using a lanyard connect one end of the lanyard to the full body harness. Connect other end of the lanyard to the anchorage or anchorage connector. Ensure the connector (self-locking snap hook or carabiner) is fully engaged and locked onto the body support connecting point and anchorage or anchorage connector. See Figure 5 for operation of hooks. Ensure connections are compatible in size, shape, and strength. See the anchorage manufacturer's instructions for more information on making connections.
- B. **CONNECTING TO THE BODY SUPPORT:** For general restraint, connect the lanyard to the dorsal D-ring between the shoulders on a full body harness. If using a body belt, connect the lanyard to the D-ring and position the belt so the D-ring is located on your back side. For positioning applications connect the lanyard to the side D-rings or the front D-ring on the full body harness or body belt. Some full body harnesses incorporate shoulder D-rings. A Y-lanyard may be connected to these for rescue and suspension applications. Ensure the connections are compatible in size, shape, and strength. See the body support manufacturer's instructions for more information on making connections.

**Attaching a Lanyard with Web Loops:** See Figure 8.

1. **INSERT THE ENERGY ABSORBING LANYARD WEB LOOP THROUGH THE HARNESS WEB LOOP OR THE D-RING.**
2. **INSERT THE OPPOSITE END OF THE ENERGY ABSORBING LANYARD THROUGH THE CONNECTING WEB LOOP.**
3. **PULL THE ATTACHED ENERGY ABSORBING LANYARD THROUGH THE CONNECTING WEB LOOP TO SECURE IT.**

**WARNING:** Only compatible connections may be made with the connecting loops. Use of snap hooks (self-locking and non-locking types) may result in inadvertent disengagement from the web loops. Failure to follow these instructions may result in serious injury or death.



- C. **CONNECTING TO A ROPE GRAB:** For restraint or work positioning applications only. When connecting

a lanyard to a rope grab connect one end to the attachment point of the rope grab and connect the other end to the body support. Some rope grabs may be supplied with a permanently attached lanyard or an energy absorbing lanyard. For these cases, use of an additional lanyard connected between the rope grab and the body support is not recommended. In all cases, ensure that the length of the lanyard does not exceed the rope grab manufacturer's recommended maximum connection length. Ensure the connections are compatible in size, shape, and strength. See the rope grab manufacturer's instructions for more information.

- D. **CONNECTING TO SELF RETRACTING LIFELINE:** For restraint applications only. DBI-SALA does not recommend connecting a lanyard to a self retracting lifeline. Special applications exist where it may be permissible.
- E. **CONNECTING TO THE WRISTLET:** For emergency rescue use only. The wristlets provide a limited support and should only be used when other emergency rescue devices are impractical. Consult qualified medical personnel before using the wristlet. To use, place at wrist location. Locate wrist between the web strap and the pad. Pull the web tight to secure the wrist. Make certain the wrist is securely captivated and the wristlet will not slide or release.
- F. **CONNECTING TO THE D-RING EXTENSION ASSEMBLY:** The D-ring extension assembly may be attached to a self retracting lifeline or an energy absorbing lanyard for fall arrest applications only. The D-ring extension snap hook should be connected to the dorsal D-ring on the full body harness. The D-ring on the extension assembly is used for attachment of the snap hook on the self retracting lifeline or the energy absorbing lanyard. Ensure the connections are compatible in size, shape, and strength. See the body support, self retracting lifeline, and energy absorbing lanyard manufacturer's instructions for more information on making connections.

### 3.4 After use return the lanyard for cleaning or storage as described in section 6.0.

## 4.0 TRAINING

- 4.1 It is the responsibility of all users of this equipment to understand these instructions, and to be trained in the correct installation, use, and maintenance of this equipment. These individuals must be aware of the consequences of improper installation or use of this equipment. This user manual is not a substitute for a comprehensive training program. Training must be provided on a periodic basis to ensure proficiency of the users.

**IMPORTANT:** Training must be conducted without exposing the trainee to a fall hazard. Training should be repeated periodically.

## 5.0 INSPECTION

### 5.1 FREQUENCY:

- **Before each use** visually inspect per steps listed in section 5.2 and 5.3
- **Annually:** The lanyard must be inspected by a competent person\* other than the user at least annually. See section 5.2 and 5.3 for guidelines. Record the results of each inspection in the Inspection and Maintenance Log at the back of this manual or use the inspection web portal if an i-Safe™ RFID tag is present. If you are registered i-Safe user, go to [www.capitalsafety.com/isafe.html](http://www.capitalsafety.com/isafe.html). For more information contact a Customer Service representative in the US at 1-800-328-6146 or in Canada at 1-800-387-7484.

*\*Competent person: An individual knowledgeable of a manufacturer's recommendations, instructions and manufactured components who is capable of identifying existing and predictable hazards in the proper selection, use and maintenance of fall protection.*

**IMPORTANT:** If this equipment has been subjected to forces resulting from the arrest of a fall, it must be immediately removed from service and destroyed or returned to DBI-SALA for possible repair. See section 5.2.

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

### 5.2 INSPECTION STEPS:

**Step 1.** Inspect the lanyard hardware (snap hooks, adjusters, thimbles, spreader bar, etc.). These items

must not be damaged, broken, distorted, or have any sharp edges, burrs, cracks, worn parts, or corrosion. Ensure the connecting hooks work properly. The hook gates must move freely and lock upon closing. Ensure the adjusters, if present, work properly.

**Step 2.** Inspect the lanyard per the following as applicable:

**WEBBING AND STITCHING:** Inspect the webbing. The material must be free of frayed, cut, or broken fibers. Check for tears, abrasions, mold, burns, or discoloration. Inspect the stitching. Check for pulled or cut stitches. The webbing must be free of knots, excessive soiling, heavy paint buildup, and rust staining. Check for chemical or heat damage, indicated by brown, discolored, or brittle areas. Check for ultraviolet damage, indicated by discoloration and the presence of splinters or slivers on the webbing surface. All of these above factors are known to reduce the webbing strength. Damaged or questionable webbing should be replaced.

**SYNTHETIC ROPE:** Inspect the rope for concentrated wear. The material must be free of frayed or broken strands, cuts, abrasions, burns, and discoloration. The rope must be free of knots, excessive soiling, heavy paint buildup, and rust staining. Rope splices must be tight, with five (5) full tucks, and the thimbles must be held by the splice. Check for chemical or heat damage indicated by brown, discolored, or brittle areas. Check for ultraviolet damage, indicated by discoloration and the presence of splinters and slivers on the rope surface. All of the above factors are known to reduce the rope strength. Damaged or questionable ropes should be replaced.

**Step 3.** Inspect the labels. All labels must be present and fully legible. See section 9.0.

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

**Step 5.** Record the inspection date and results on the Inspection and Maintenance Log.

**5.3** If inspection reveals a defective condition, remove the unit from service immediately and destroy, or contact a factory authorized service center for repair.

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

## **6.0 MAINTENANCE - SERVICING - STORAGE**

**6.1** Clean the lanyard with water and a mild detergent solution. Wipe the hardware off with a clean, dry cloth, and hang it to air dry. Do not force dry with heat. If you have any questions regarding the cleaning of this equipment, or require more information contact DBI-SALA. An excessive buildup of dirt, paint, etc., may prevent the lanyard from working properly, and in severe cases degrade the webbing or rope to a point where it has become weakened and should be removed from service. If you have any questions concerning the condition of your lanyard, or have any doubt about putting it into service, contact DBI-SALA.

**6.2** Additional maintenance and servicing procedures (i.e. replacement parts) must be completed by a factory authorized service center. Authorization must be in writing.

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

## **7.0 SPECIFICATIONS**

### **7.1 SPECIFICATIONS:**

Test Results:

- Average arrest force ( $F_{ave}$ ) = 705 lbs (3.1 kN)
- Maximum Elongation ( $X_{max}$ ):
  - Tear-apart web energy absorber = 7.2 in. ( 18.3 cm)
  - Core material energy absorber = 7.3 in. ( 18.5 cm)
- Meets OSHA requirements.
- U.S. Patent Number 4,977,647 (9503175 snap hook)



<b>Rope Type</b>	<b>Lanyard</b>	<b>Material Length</b>	<b>Hardware</b>
Nylon	1/2 inch (1.3 cm) diameter, 5,750 lbs. (25.6 kN) tensile strength, or 5/8 inch (1.6 cm) diameter, 9,350 lbs. (41.6 kN) tensile strength, three strand nylon rope	Fixed Adjustable	Drop forged alloy steel self-locking snap hook with 5,000 lbs. (22.2 kN) tensile strength. Steel self-closing/locking carabiner with 5,000 lbs. (22.2 kN) tensile strength.
Polyester	1/2 inch (1.3 cm) diameter, 5,750 lbs. (25.6 kN) tensile strength, or 5/8 inch (1.6 cm) diameter, 9,000 lbs. (40 kN) tensile strength, three strand polyester rope	Fixed Adjustable	
<b>Web Type</b>	<b>Lanyard</b>	<b>Material Length</b>	<b>Hardware</b>
Nylon	1 inch wide adjustable, 9,000 lbs. tensile strength, or 1 inch (2.5 cm) wide fixed, 7,500 lbs. (33.4 kN) tensile strength, latex treated nylon web	Fixed Adjustable	Drop forged alloy steel self-locking snap hook with 5,000 lbs. (22.2 kN) tensile strength. Steel self-closing/locking carabiner with 5,000 lbs. (22.2 kN) tensile strength. Drop forged alloy steel link, (adjustable models only), drop forged steel D-ring with 5,000 lbs. (22.2 kN) tensile strength.
Polyester	1 inch (2.5 cm) polyester webbing, 9,800 lbs. (43.6 kN) tensile strength	Fixed Adjustable	
Polyester	1 3/4 inch (4.5 cm) polyester webbing, 8,800 lbs. (39.1 kN) tensile strength	Fixed	Drop forged alloy steel self-locking snap hook and D-ring with 5,000 lbs. (22.2 kN) tensile strength. Aluminum spreader bar (Y-Lanyards only), covered with nylon tubular webbing.

- Canadian Patent Number 2,027,787 (9503175 snap hook)

## 8.0 TERMINOLOGY

**AUTHORIZED PERSON:** A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard (otherwise referred to as “user” for the purpose of these instructions).

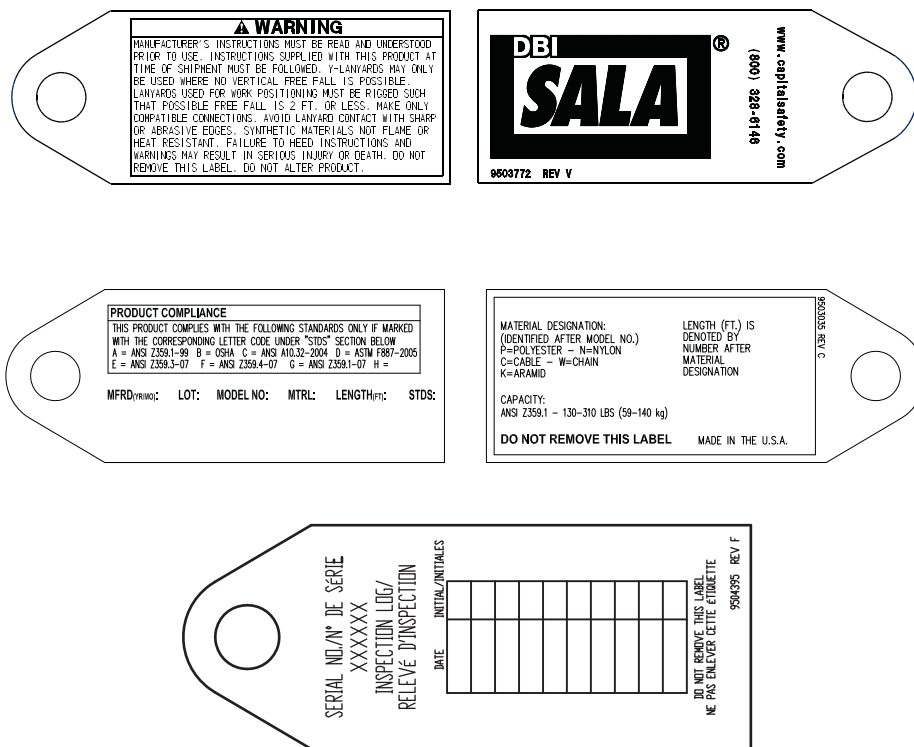
**RESCUER:** Person or persons other than the rescue subject acting to perform an assisted rescue by operation of a rescue system.

**CERTIFIED ANCHORAGE:** An anchorage for fall arrest, positioning, restraint, or rescue systems that a qualified person certifies to be capable of supporting the potential fall forces that could be encountered during a fall or that meet the criteria for a certified anchorage prescribed in this standard.

**QUALIFIED PERSON:** A person with a recognized degree or professional certificate and with extensive knowledge, training, and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating and specifying fall protection and rescue systems to the extent required by this standard.

**COMPETENT PERSON:** One who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

## 9.0 LABELING



### ALL ROPE LANYARDS

9.1 These labels must be present and fully legible:

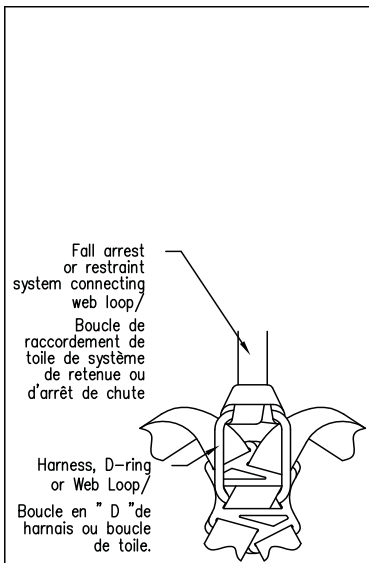
9.1 LABELING *continued . . .*

<p style="text-align: center;"><b>▲ WARNING/MISE EN GARDE</b></p> <p style="font-size: 8px;">MANUFACTURER'S INSTRUCTIONS MUST BE READ AND UNDERSTOOD PRIOR TO USE. INSTRUCTIONS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. THIS LANYARD IS INTENDED TO RESTRAIN A WORKER IN A WORK POSITION WHERE THE POSSIBLE FREE FALL IS 2 FT OR LESS. MAKE ONLY COMPATIBLE CONNECTIONS. AVOID CONTACT WITH SHARP AND ABRASIVE EDGES. FAILURE TO HEED WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH. NOT FLAME OR HEAT RESISTANT. ANY UNIT WHICH HAS SEEN FALL ARRESTING SERVICE SHOULD NOT BE USED AFTER SUCH SERVICE. DO NOT REMOVE THIS LABEL. UNE UNITE QUI A DEJA ETE UTILISEE POUR PREVENIR UNE CHUTE NE DOIT PAS ETRE EMPLOYEE A NOUVEAU.</p>	<p style="font-size: 8px;"><b>PRODUCT COMPLIANCE</b> THIS PRODUCT COMPLIES WITH THE FOLLOWING STANDARDS ONLY IF MARKED WITH THE CORRESPONDING LETTER CODE UNDER "STDS" SECTION BELOW.  A = ANSI Z359.1-99 B = OSHA C = ANSI A10.32-2004 D = ASTM F887-2005  E = ANSI Z359.3-07 F = ANSI Z359.4-07 G = ANSI Z359.1-07 H =</p> <p style="font-size: 8px;">MFRD(YR/MO): LOT: MODEL NO: LENGTH(FT): STDS:</p>
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<p style="font-size: 8px;">CSA STANDARD Z259.1 FILE# 207213</p>	<p style="font-size: 8px;">1" WIDE WEB LANYARD MATERIAL: POLYESTER CAPACITY: ANSI Z359.1 – 130–310 LBS (59–140 kg) MADE IN USA</p>		<p style="font-size: 8px;"><a href="http://www.capitalsafety.com">www.capitalsafety.com</a> (800) 328-6146</p>
9503051 REV B			

9503717 REV K	SERIAL NO. NUMERO DE SERIE <b>XXXXXX</b> INSPECTION LOG RELEVÉ D'INSPECTION DATE INITIAL/INITIALE	DO NOT REMOVE THIS LABEL NE PAS ENLEVER CETTE ÉTIQUETTE
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**ALL WEB LANYARDS**



9507096 Rev F
<p><b>▲ WARNING/AVERTISSEMENT!</b></p> <p style="font-size: 8px;">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./</p> <p style="font-size: 8px;">Seuls des connexions compatibles doivent être faites avec les boucles de toile. Un mousqueton (de type avec ou sans verrou) raccordé 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.</p>

<p><b>▲ WARNING</b></p> <p style="font-size: 8px;">ENSURE CONNECTIONS MADE TO LOOP OR EYE TERMINATIONS OR ATTACHMENT POINTS ARE COMPATIBLE. SNAP HOOKS (BOTH SELF LOCKING AND NON-LOCKING TYPES) CONNECTED INTO LOOPS OR EYES MAY RESULT IN INADVERTENT DISENGAGEMENT. DO NOT MAKE MORE THAN ONE CONNECTION INTO A LOOP OR EYE TERMINATION. REFER TO SEPARATE INSTRUCTIONS FOR FURTHER DETAILS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT REMOVE LABEL.</p>
9507205 REV E

**WEB LOOP LANYARDS**

<p style="font-size: 8px;"><b>WARNING</b> FOR RETRIEVAL PURPOSES ONLY</p>
9506101 REV E

**RESCUE WRISTLETS**

***This instruction applies to the following models:***

1201012C,	1201104C,	1201114C,	1201150C,	1201207C,	1201632C,	1231022C,	1231305C,
1201016C,	1201105C,	1201115C,	1201154C,	1201211C,	1204005C,	1231064C,	1231636C,
1201018C,	1201106C,	1201117C,	1201156C,	1201233C,	1204006C,	1231104C,	1231637C,
1201030C,	1201107C,	1201123C,	1201158C,	1201253C,	1204007C,	1231105C,	1231647C
1201060C,	1201108C,	1201135C,	1201160C,	1201606C,	1204008C,	1231106C,	
1201064C,	1201109C,	1201138C,	1201164C,	1201609C,	1204011C,	1231117C,	
1201067C,	1201110C,	1201140C,	1201199C,	1201610C,	1204012C,	1231133C,	
1201102C,	1201111C,	1201141C,	1201200C,	1201619C,	1230004C,	1231203C,	
1201103C,	1201112C,	1201148C,	1201201C,	1201630C,	1231016C,	1231265C,	

***Additional model numbers may appear on the next printing of these instructions.***







## LIMITED LIFETIME WARRANTY

**Warranty to End User:** D B Industries, Inc., dba CAPITAL SAFETY USA ("CAPITAL SAFETY") warrants to the original end user ("End User") that its products are free from defects in materials and workmanship under normal use and service. This warranty extends for the lifetime of the product from the date the product is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorized distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of any defective product within its lifetime (as CAPITAL SAFETY in its sole discretion determines and deems appropriate). No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any different or additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

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The Ultimate in Fall Protection

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